LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.016	629	634	639	rVB	330508	490130	1.12%	0.209%
2	7.110	645	650	663	rVB3	289158	768580	1.76%	0.327%
3	7.463	706	710	716	rVB	380675	562061	1.29%	0.239%
4	7.640	734	740	746	rBV2	552261	943637	2.16%	0.402%
5	8.416	861	872	876	rBV3	150344	460618	1.06%	0.196%
6	8.475	876	882	885	rVV	784560	1140146	2.62%	0.485%
7	8.522	885	890	896	rVB	1722456	2738390	6.28%	1.165%
8	8.692	915	919	925	rVV2	255688	486773	1.12%	0.207%
9	8.804	934	938	944	rVB2	326164	525941	1.21%	0.224%
10	9.034	970	977	981	rBV	416533	741163	1.70%	0.315%
11	9.092	982	987	994	rVB2	480302	864919	1.98%	0.368%
12	9.169	994	1000	1013	rBV	490938	1038636	2.38%	0.442%
13	9.275	1013	1018	1025	rBV	427850	707950	1.62%	0.301%
14	9.639	1075	1080	1089	rVV	263413	453799	1.04%	0.193%
15	9.739	1089	1097	1102	rVB3	413868	812710	1.86%	0.346%
16	9.886	1110	1122	1129	rBV7	302897	845103	1.94%	0.360%
17	9.998	1133	1141	1151	rVB5	165894	507313	1.16%	0.216%
18	10.163	1165	1169	1176	rVB2	299122	482202	1.11%	0.205%
19	10.422	1202	1213	1217	rBV	483157	971823	2.23%	0.414%
20	10.463	1217	1220	1228	rVB2	392352	639510	1.47%	0.272%
21	10.539	1228	1233	1238	rBV	541439	950040	2.18%	0.404%
22	10.616	1241	1246	1251	rVB2	212061	471144	1.08%	0.200%
23	10.692	1251	1259	1264	rBV2	396982	831066	1.91%	0.354%
24	10.804	1273	1278	1283	rVB2	459921	719203	1.65%	0.306%
25	11.045	1313	1319	1327	rVB	481609	803892	1.84%	0.342%
26	11.369	1365	1374	1380	rBV	2508481	4490569	10.30%	1.911%
27	12.986	1644	1649	1658	rVB	414883	634236	1.46%	0.270%
28	13.969	1809	1816	1822	rVB	407878	594721	1.36%	0.253%
29	14.163	1844	1849	1861	rVB	503700	839677	1.93%	0.357%
30	14.310	1861	1874	1882	rBV	766953	2034069	4.67%	0.866%
31	14.451	1891	1898	1903	rBV	943843	1654208	3.80%	0.704%
32	14.504	1903	1907	1912	rVB2	640451	944827	2.17%	0.402%
33	14.680	1931	1937	1941	rBV	454869	708977	1.63%	0.302%
34	14.845	1955	1965	1974	rVB4	263871	625679	1.44%	0.266%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Title : SVOA CALIBRATION

35	15.080	1997	2005	2008	rBV	744179	1083715	2.49%	0.461%
36	15.127	2008	2013	2018	rVV2	3232074	5078129	11.65%	2.161%
37	15.186	2018	2023	2029	rVB	3234535	4804945	11.02%	2.045%
38	15.316	2039	2045	2055	rVB	255706	577878	1.33%	0.246%
39	15.427	2055	2064	2068	rBV2	359786	717748	1.65%	0.305%
40	15.516	2072	2079	2085	rVV	2806246	4413907	10.13%	1.878%
41	15.580	2085	2090	2098	rVB	397714	601739	1.38%	0.256%
42	15.721	2107	2114	2119	rBV	277358	494930	1.14%	0.211%
43	15.892	2135	2143	2146	rBV2	224482	482920	1.11%	0.206%
44	16.157	2181	2188	2198	rVB	6339798	9198858	21.10%	3.915%
45	16.245	2198	2203	2205	rBV	358487	488060	1.12%	0.208%
46	16.274	2205	2208	2211	rVV	441675	679470	1.56%	0.289%
47	16.315	2211	2215	2220	rVB2	1116140	1675759	3.84%	0.713%
48	16.404	2226	2230	2232	rBV	541277	727672	1.67%	0.310%
49	16.439	2232	2236	2244	rVB	1379740	2047768	4.70%	0.871%
50	16.586	2254	2261	2269	rBV	1402771	2801079	6.43%	1.192%
51	16.786	2287	2295	2309	rVB3	195531	476670	1.09%	0.203%
52	16.939	2316	2321	2326	rBV	457328	667034	1.53%	0.284%
53	17.139	2344	2355	2360	rBV2	914861	1836684	4.21%	0.782%
54	17.292	2375	2381	2385	rVB3	348354	610429	1.40%	0.260%
55	17.362	2385	2393	2396	rBV2	295180	662658	1.52%	0.282%
56	17.557	2421	2426	2438	rVV2	305381	855107	1.96%	0.364%
57	17.657	2438	2443	2461	rVB	2149873	3355787	7.70%	1.428%
58	17.839	2467	2474	2477	rBV	3488834	5520359	12.67%	2.349%
59	17.886	2477	2482	2488	rVV2	28700951	43586800	100.00%	18.549%
60	17.968	2488	2496	2503	rVV	4732206	6690205	15.35%	2.847%
61	18.227	2535	2540	2555	rVB3	136591	460412	1.06%	0.196%
62	18.339	2555	2559	2566	rBV	361208	511660	1.17%	0.218%
63	18.692	2610	2619	2623	rBV	1771060	2472105	5.67%	1.052%
64	18.739	2623	2627	2633	rVB	2286904	3059772	7.02%	1.302%
65	18.821	2633	2641	2646	rBV	741325	1134666	2.60%	0.483%
66	18.892	2646	2653	2665	rVB2	3743549	6915788	15.87%	2.943%
67	19.168	2695	2700	2706	rBV	1338726	1817587	4.17%	0.773%
68	19.574	2764	2769	2774	rBV	360850	660709	1.52%	0.281%
69	19.645	2778	2781	2788	rVB2	276064	564364	1.29%	0.240%
70	19.845	2808	2815	2821	rBV	16868874	22469739	51.55%	9.562%
71	20.080	2851	2855	2863	rVB	454291	752975	1.73%	0.320%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Title : SVOA CALIBRATION

72	20.162	2863	2869	2872	rBV2	2342466	4171433	9.57%	1.775%
73	20.203	2872	2876	2882	rVV	10848391	14988010	34.39%	6.378%
74	20.256	2882	2885	2894	rVB2	463333	713255	1.64%	0.304%
75	20.368	2899	2904	2908	rVB	616351	835331	1.92%	0.355%
76	20.503	2921	2927	2934	rBV4	533647	1248899	2.87%	0.531%
77	20.674	2944	2956	2961	rBV	1768224	2838512	6.51%	1.208%
78	20.768	2967	2972	2976	rBV2	1981646	2666112	6.12%	1.135%
79	20.827	2976	2982	2986	rVB2	445953	820067	1.88%	0.349%
80	21.356	3068	3072	3077	rBV	397580	574778	1.32%	0.245%
81	21.568	3104	3108	3111	rBV	538821	739355	1.70%	0.315%
82	21.603	3111	3114	3117	rVB	501634	606552	1.39%	0.258%
83	21.645	3117	3121	3125	rBV2	528100	717857	1.65%	0.305%
84	21.786	3141	3145	3155	rBV2	1625419	2181510	5.00%	0.928%
85	21.915	3160	3167	3172	rVV2	5269594	11851255	27.19%	5.043%
86	21.962	3172	3175	3185	rVB	2911225	3954949	9.07%	1.683%
87	22.092	3193	3197	3202	rBV	567693	759738	1.74%	0.323%
88	22.256	3221	3225	3230	rBV	403344	632728	1.45%	0.269%
89	23.650	3456	3462	3468	rBV	1132533	2993267	6.87%	1.274%
90	24.191	3549	3554	3561	rVB	578370	1141427	2.62%	0.486%
91	24.297	3567	3572	3581	rVB	957782	1913841	4.39%	0.814%
92	24.409	3584	3591	3598	rBV	2446832	5199451	11.93%	2.213%

Sum of corrected areas: 234988126

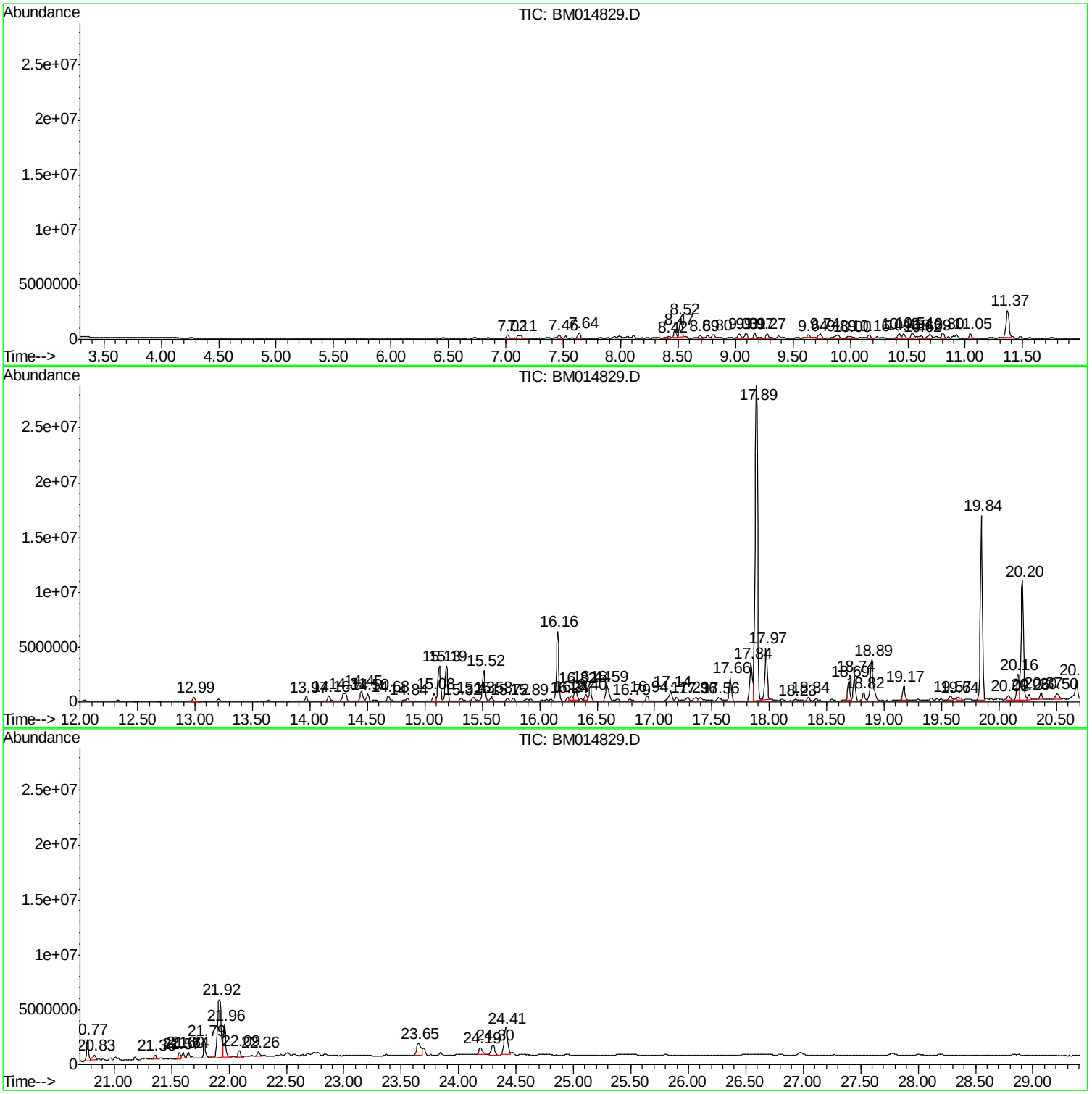
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

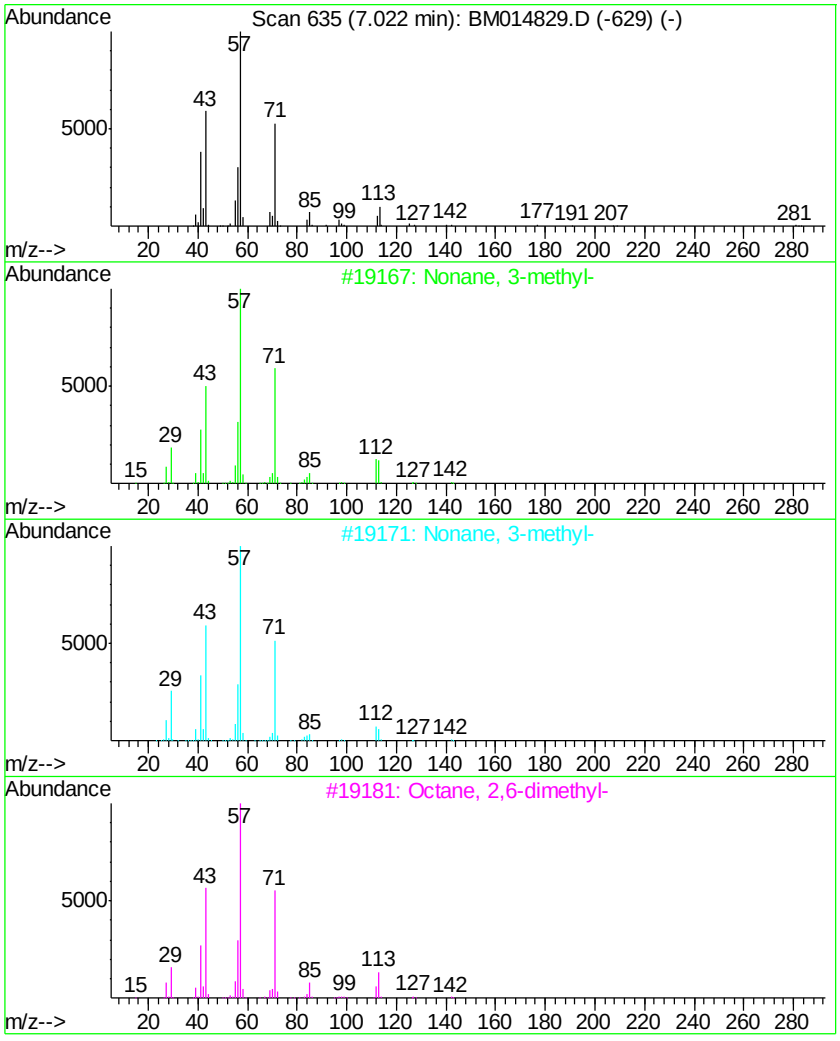
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

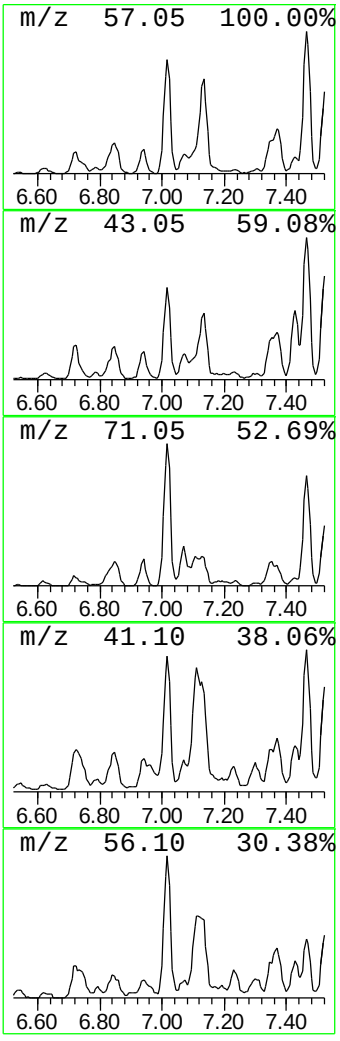
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	3.58 ng/ul	490130	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

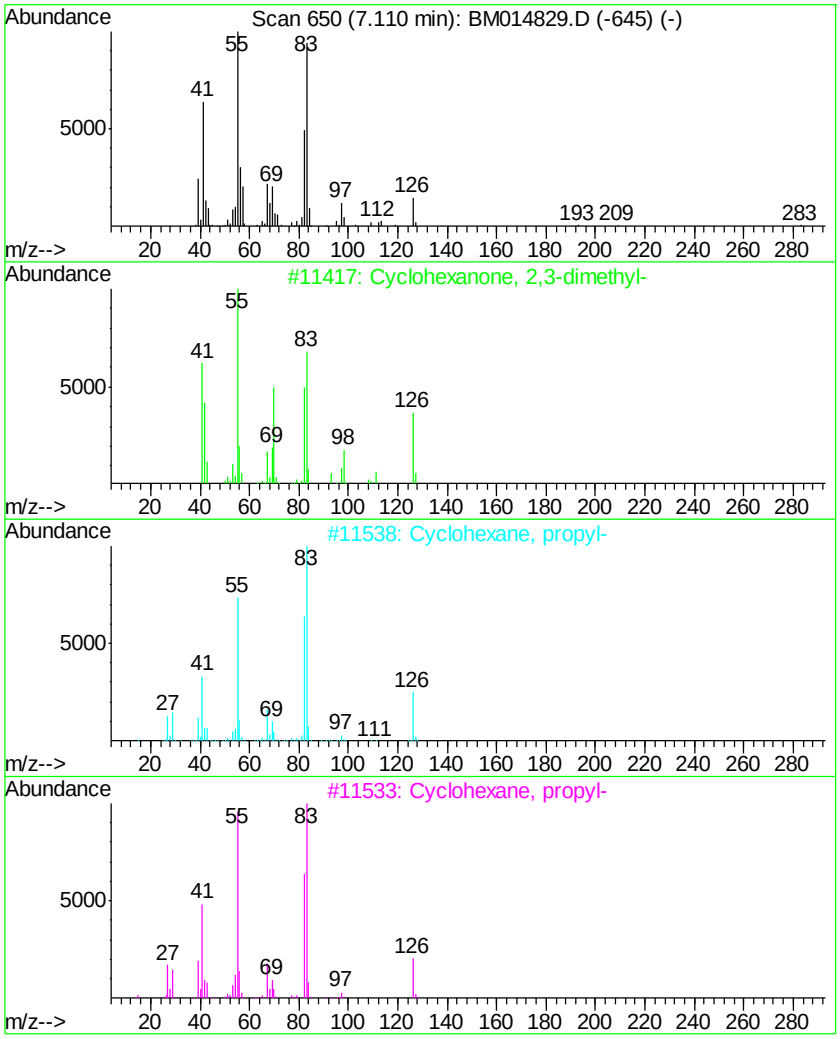
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

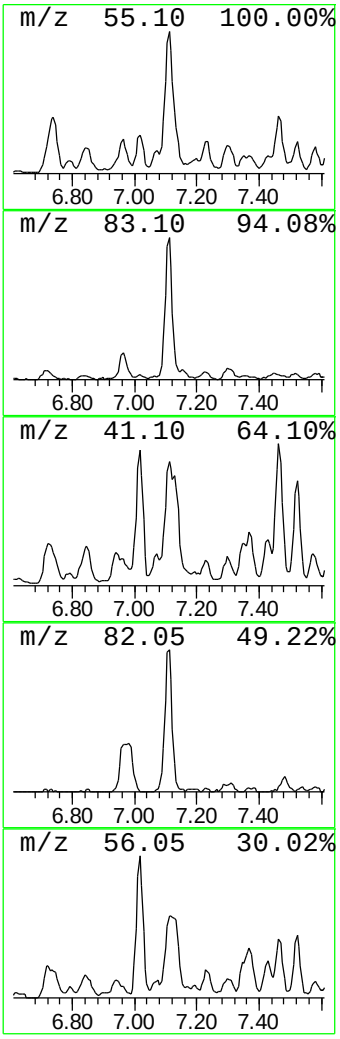
****

Peak Number 2 Cyclohexanone, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	5.61 ng/ul	768580	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

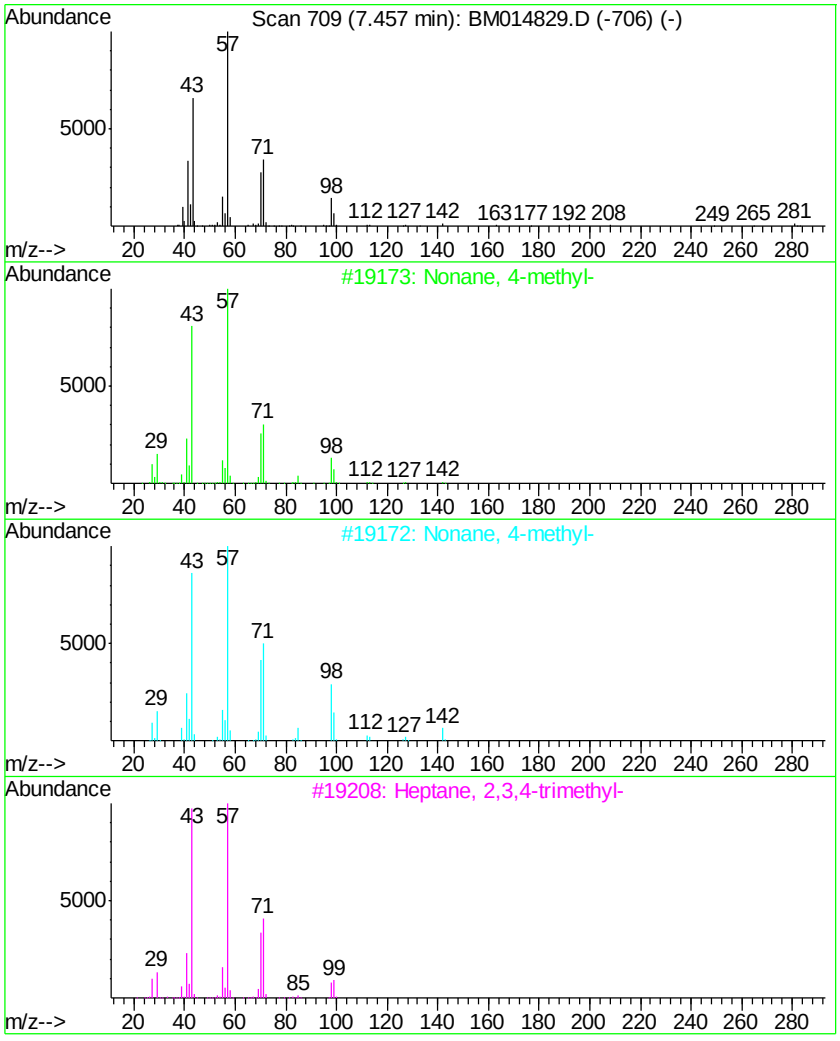
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

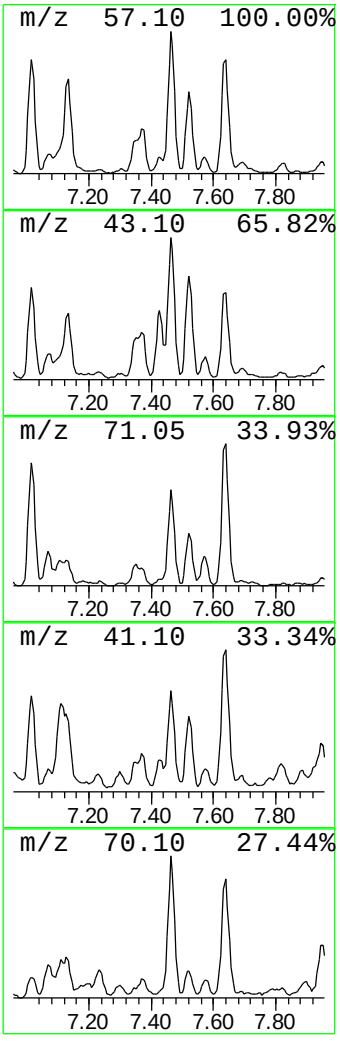
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	4.11 ng/ul	562061	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	90
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

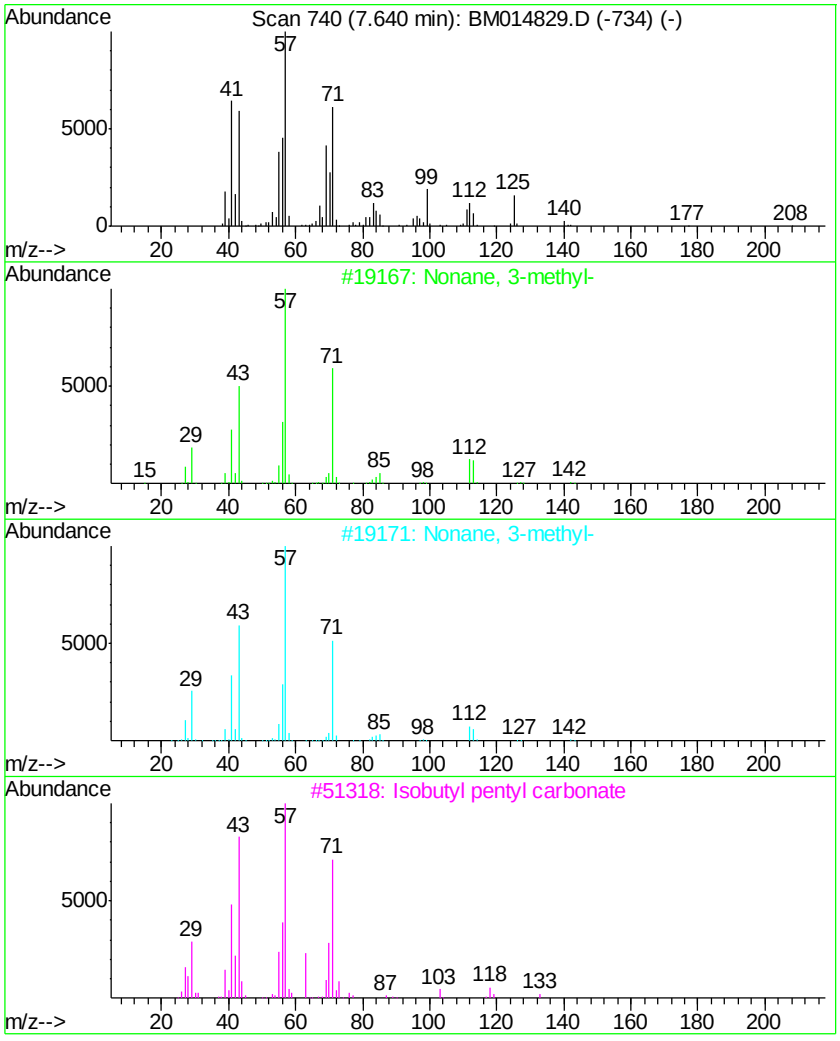
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

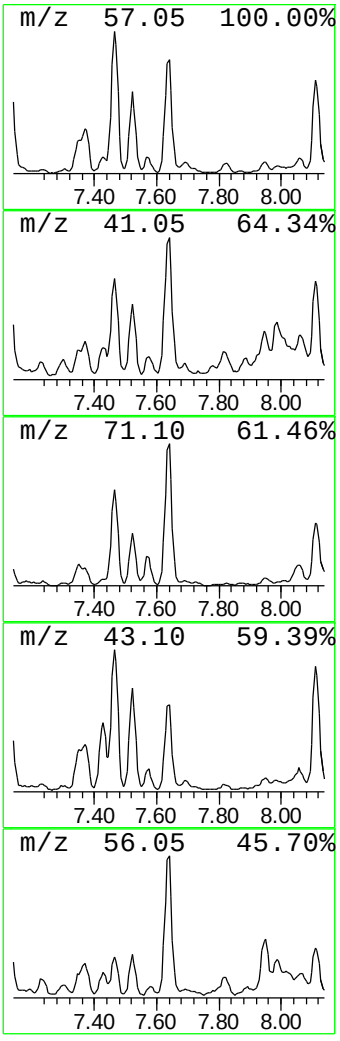
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	6.89 ng/ul	943637	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
3	Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	47
4	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	43
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

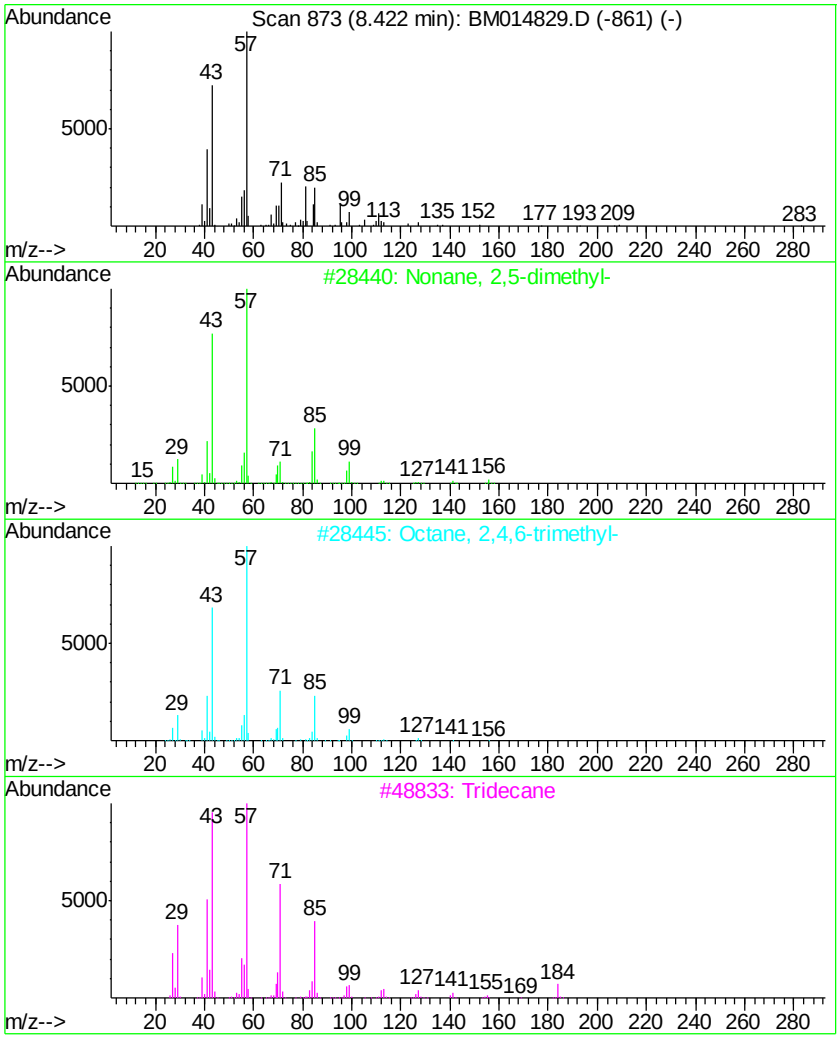
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

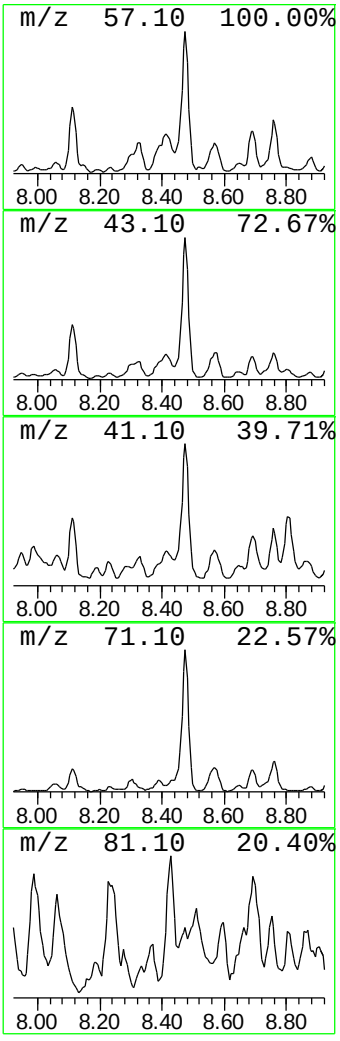
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	3.36 ng/ul	460618	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	64
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
3	Tridecane	184	C13H28	000629-50-5	50
4	4,4-Dimethyl octane	142	C10H22	015869-95-1	47
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

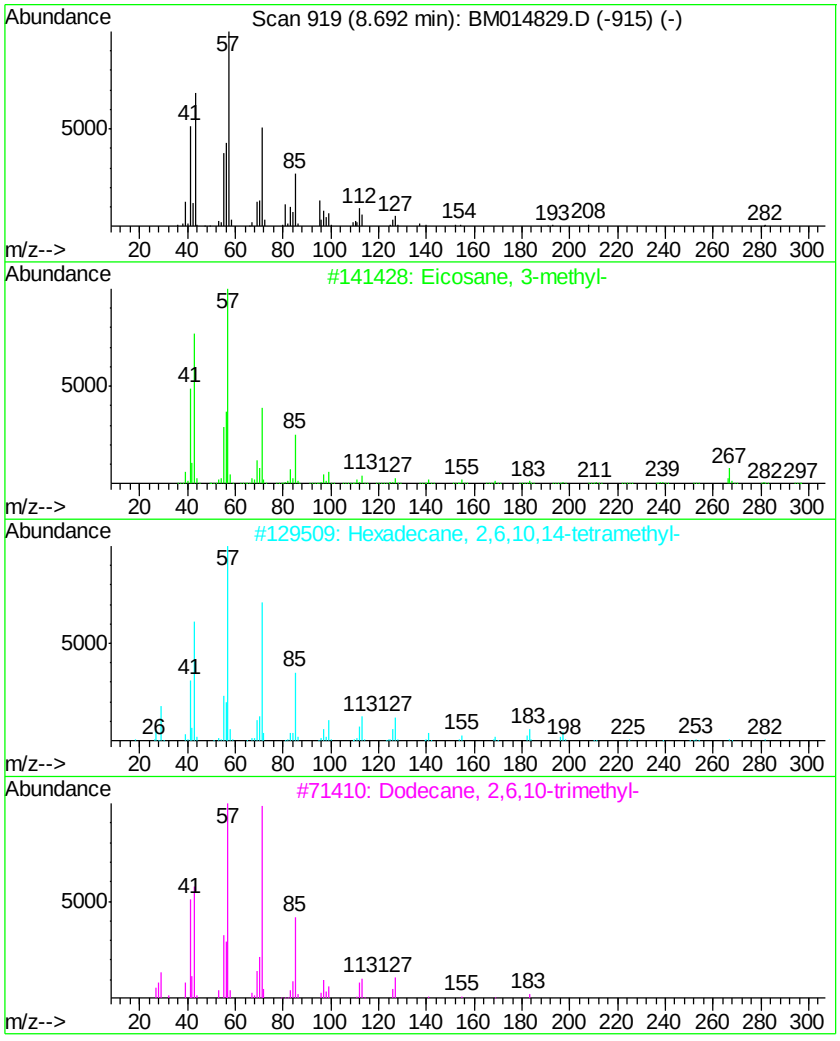
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

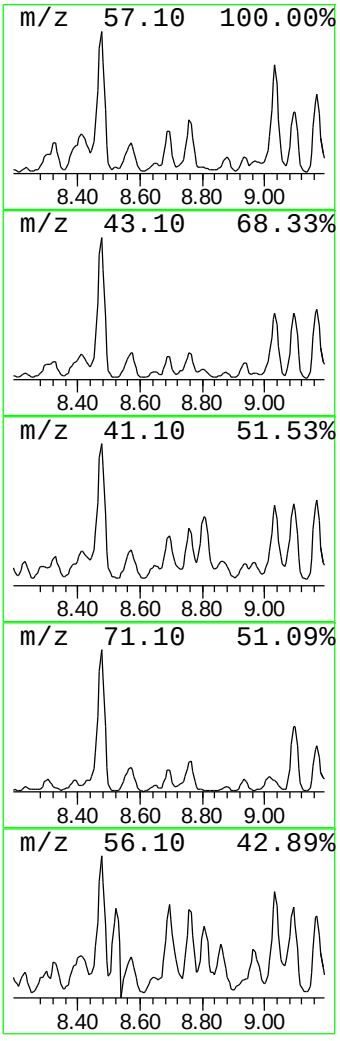
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	3.56 ng/ul	486773	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 3-methyl-	296	C21H44	006418-46-8	80
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	52
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	52
4	Tridecane	184	C13H28	000629-50-5	52
5	Tetradecane	198	C14H30	000629-59-4	52





Library Search Compound Report

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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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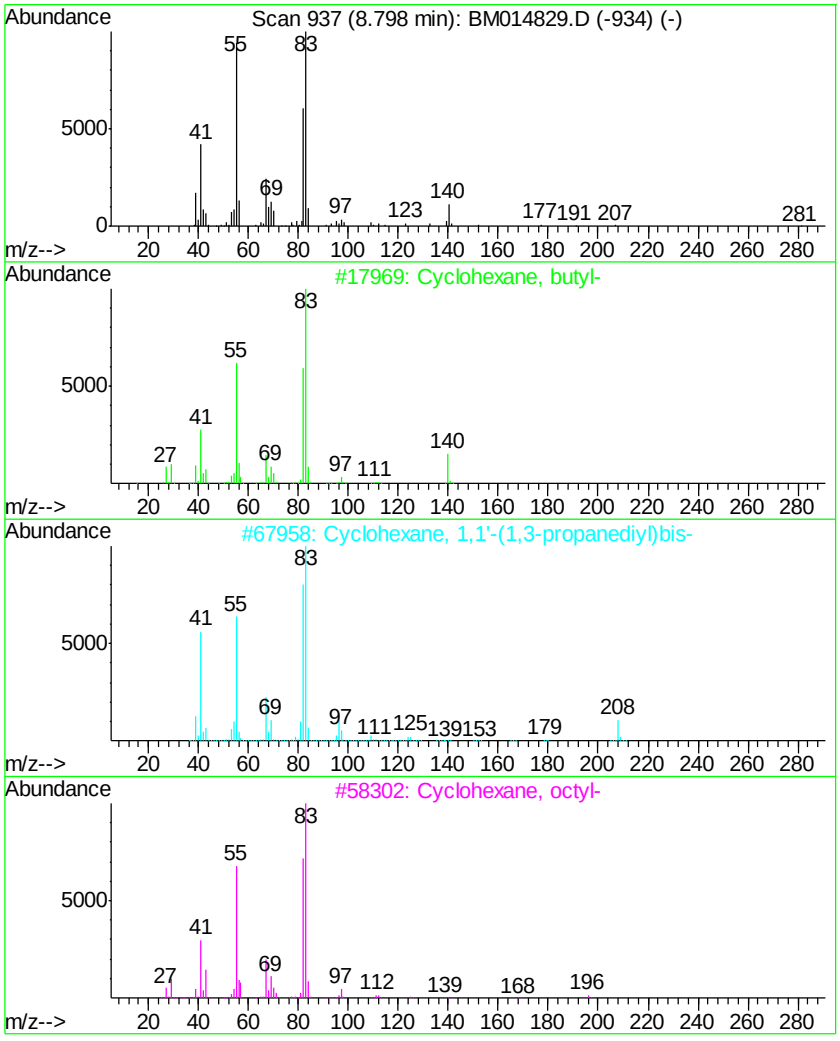
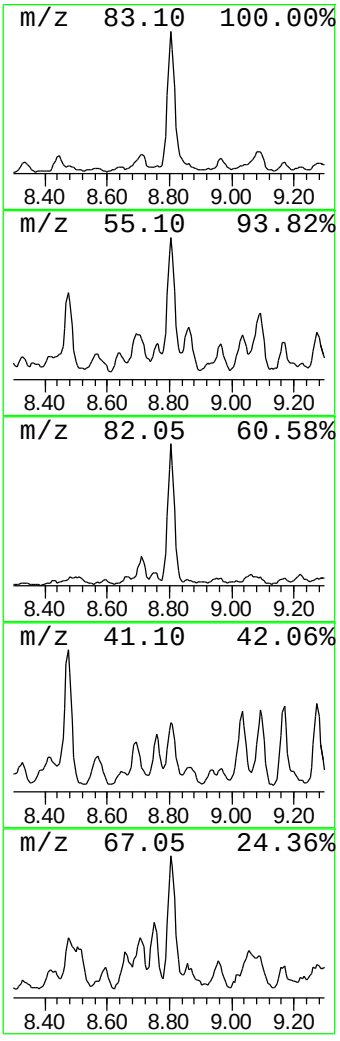
Peak Number 7 (DEL) Alkane: Cyclic8.80 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	3.84 ng/ul	525941	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	86
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	86
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	83
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	80





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Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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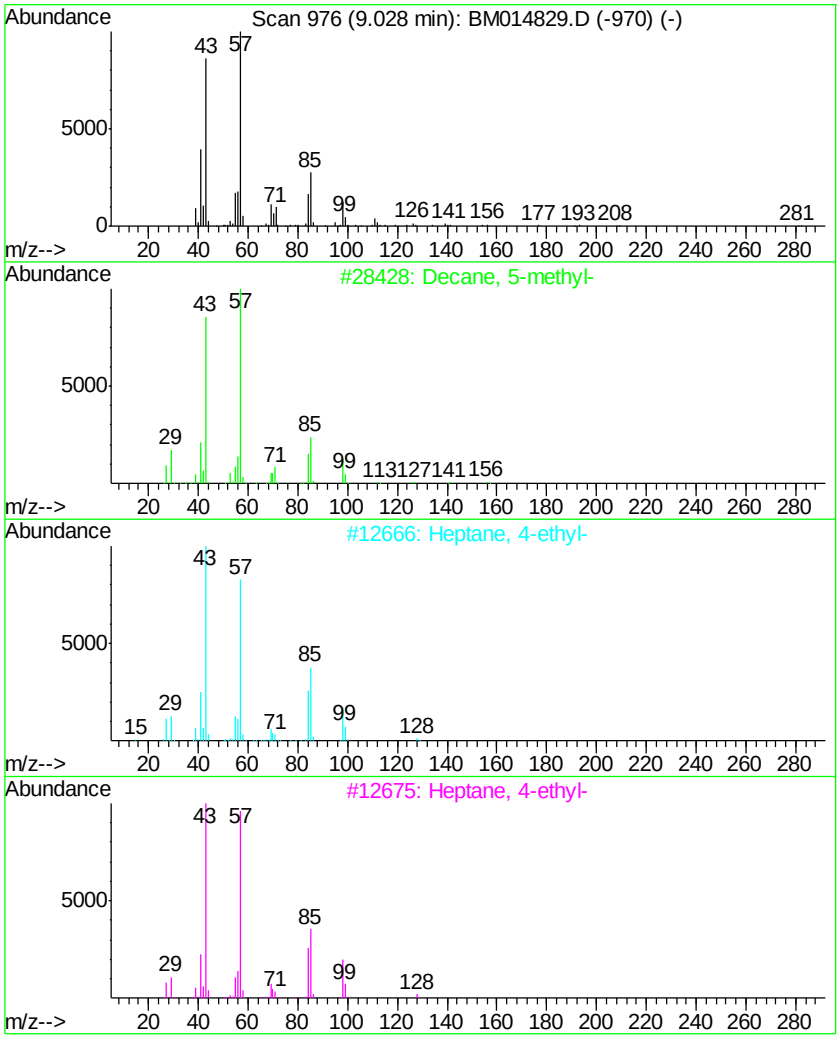
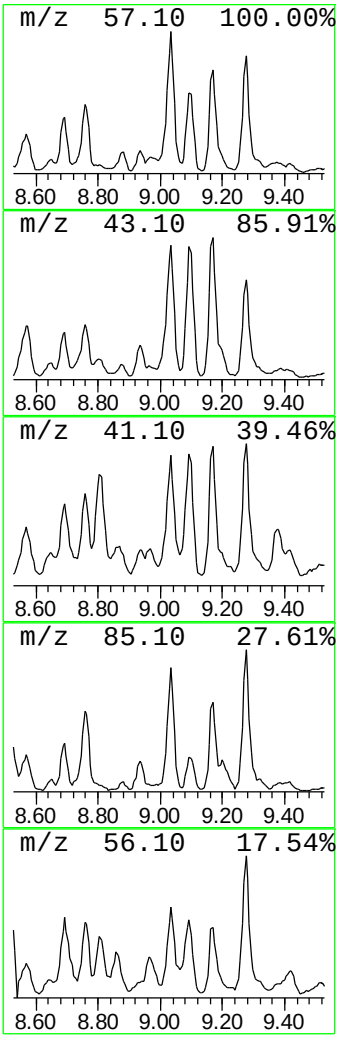
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	5.41 ng/ul	741163	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	90
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	72
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	72
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	64
5	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	64





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Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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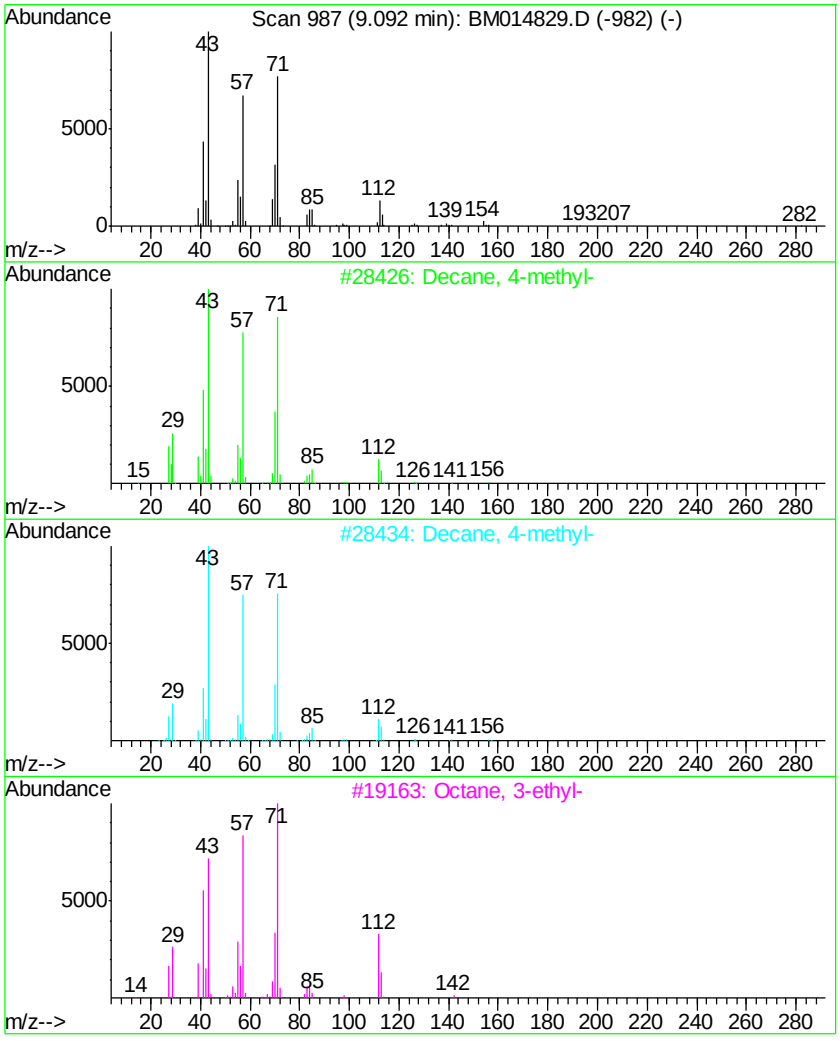
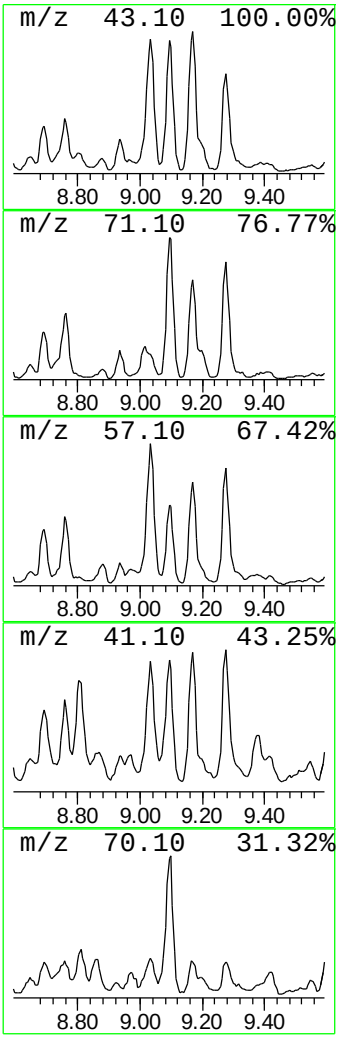
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	6.32 ng/ul	864919	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	83
4	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	83
5	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	72





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

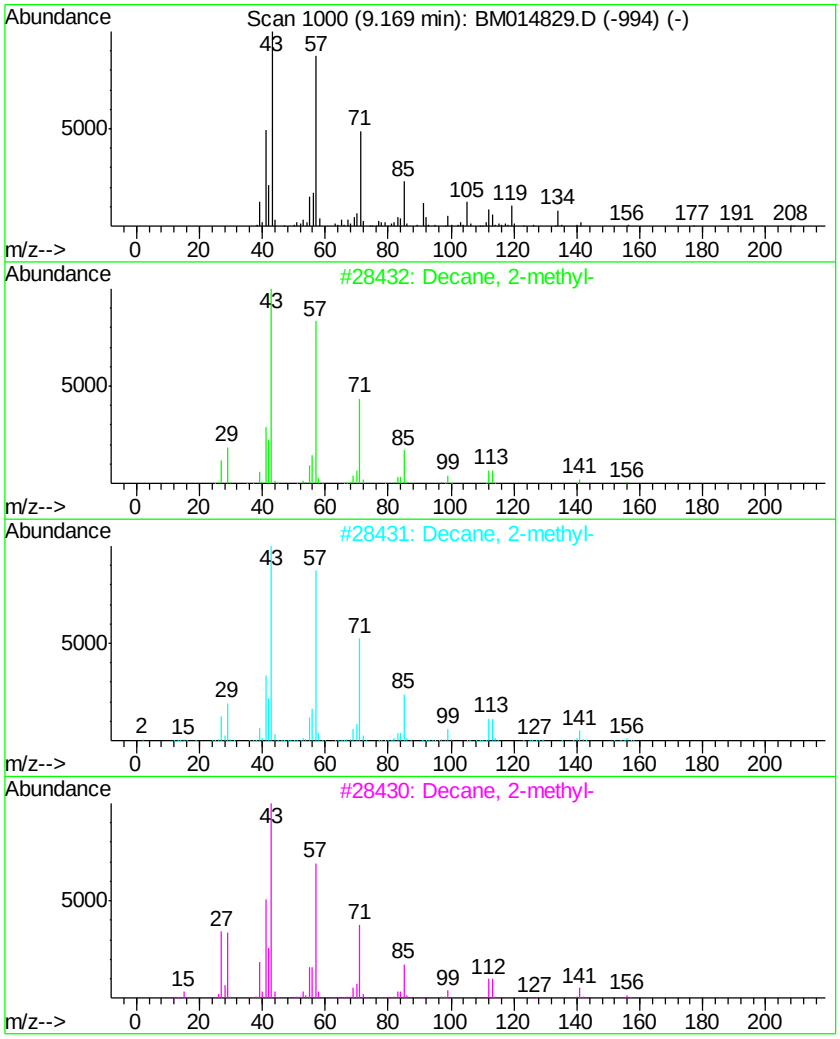
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

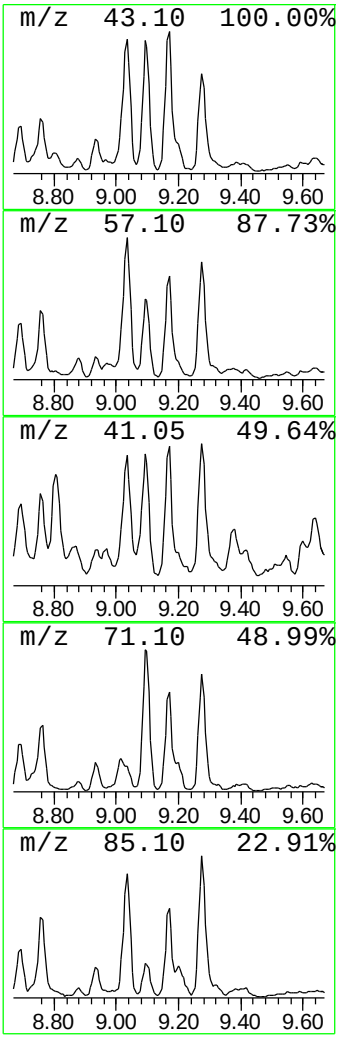
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	7.59 ng/ul	1038640	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	93
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Dodecane	170	C12H26	000112-40-3	59
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

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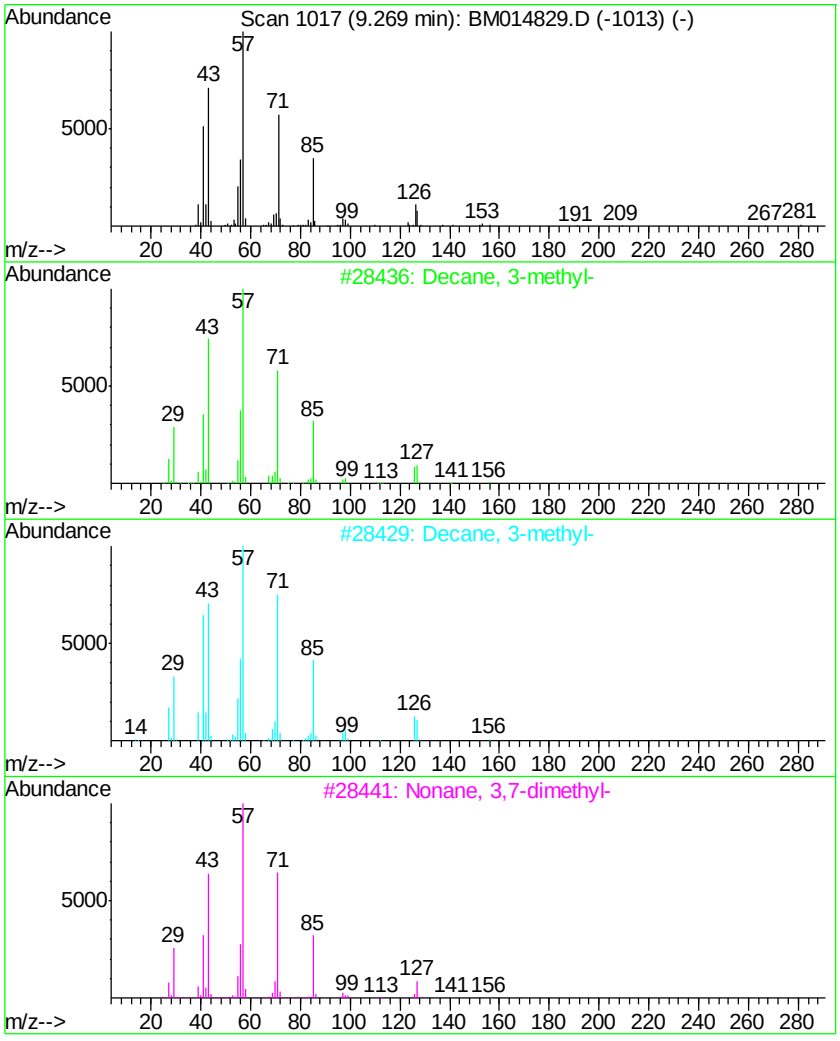
Quant Title : SVOA CALIBRATION

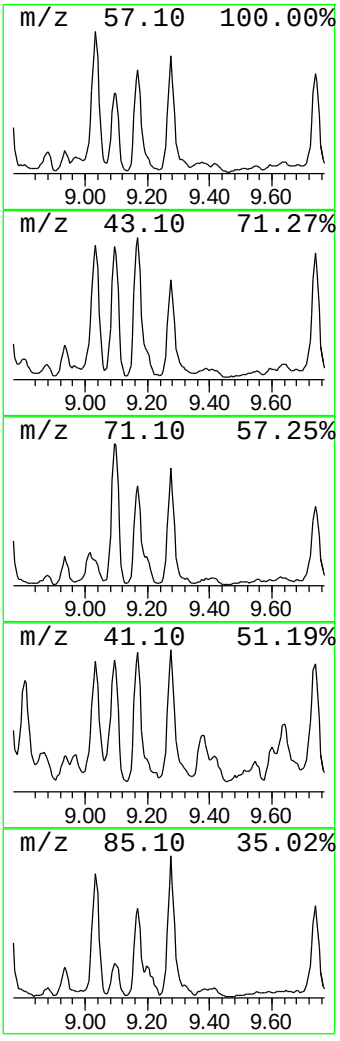
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	5.17 ng/ul	707950	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2	Decane, 3-methyl-	156	C11H24	013151-34-3	87
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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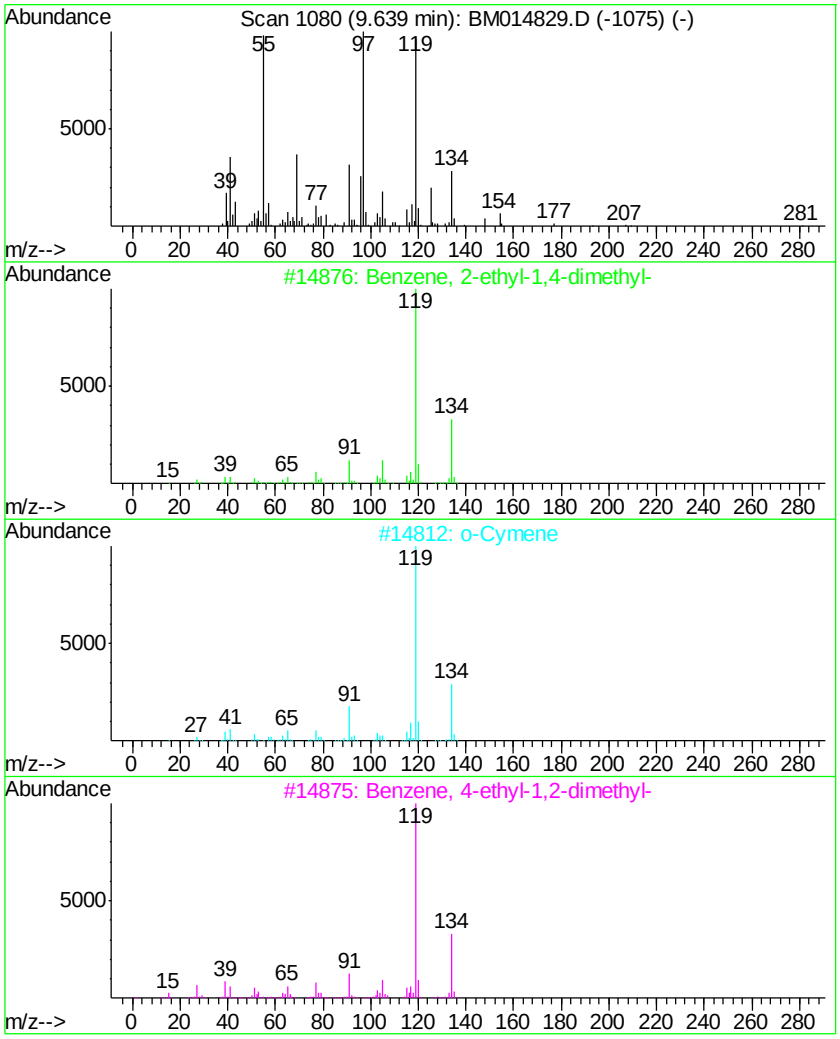
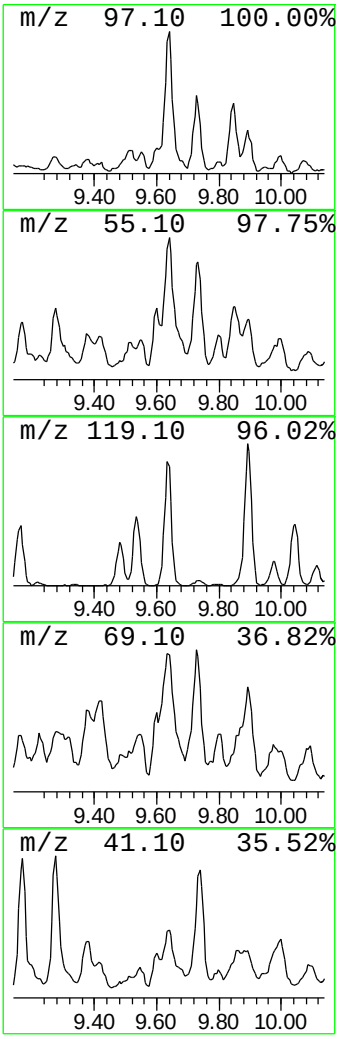
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	3.31 ng/ul	453799	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
2	o-Cymene	134	C10H14	000527-84-4	86
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	83
5	o-Cymene	134	C10H14	000527-84-4	83





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

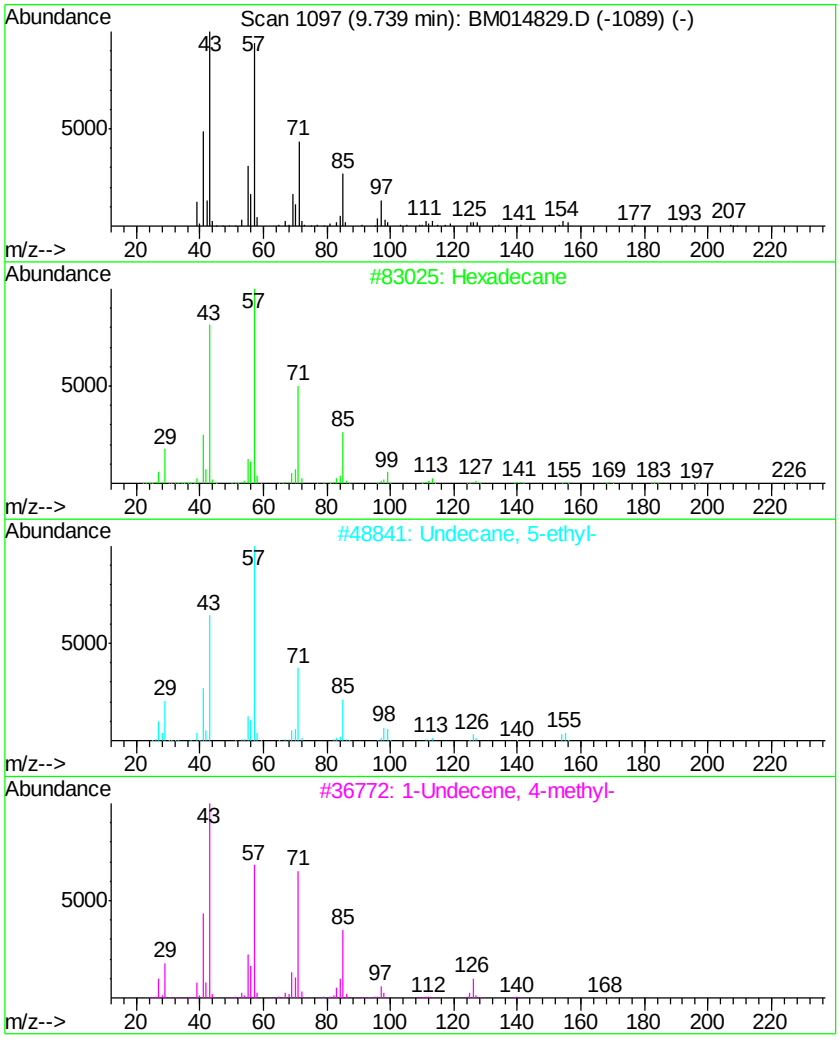
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

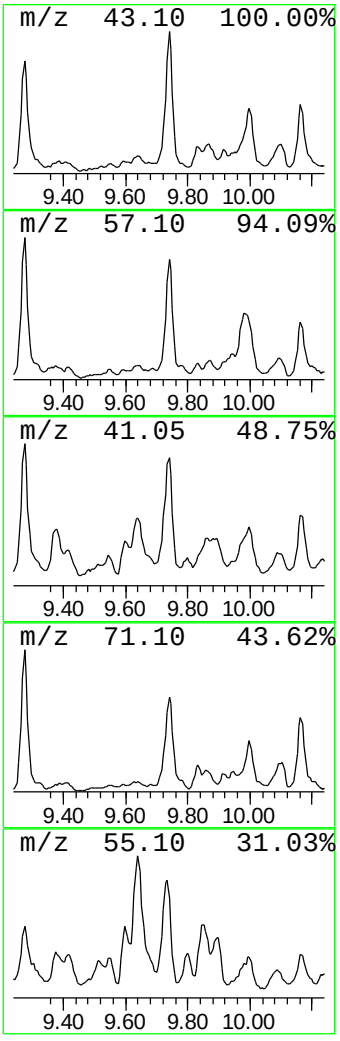
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	5.94 ng/ul	812710	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
3	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	64
4	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	64
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	59





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Acq On : 25 Apr 2018 02:54
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Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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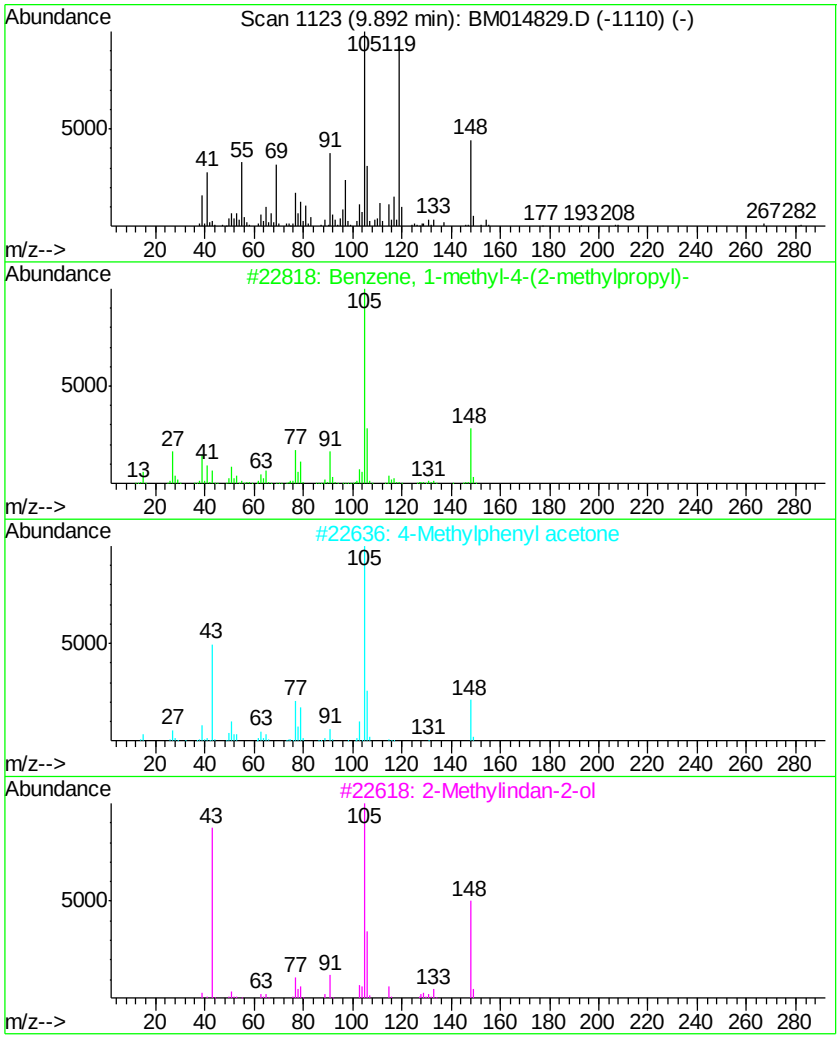
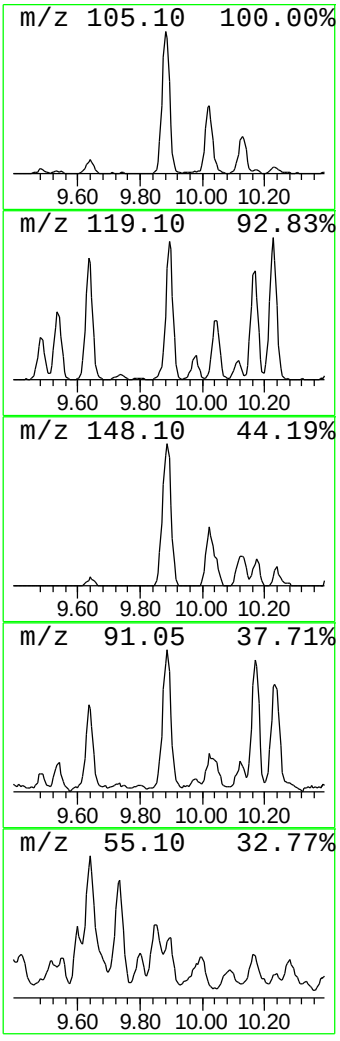
Peak Number 14 Benzene, 1-methyl-4-(2-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	6.17 ng/ul	845103	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	55
2	4-Methylphenyl acetone	148	C10H12O	002096-86-8	50
3	2-Methylindan-2-ol	148	C10H12O	033223-84-6	49
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46
5	Benzoic acid, 2-methyl-, (2-meth...	240	C16H16O2	055133-99-8	43





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Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

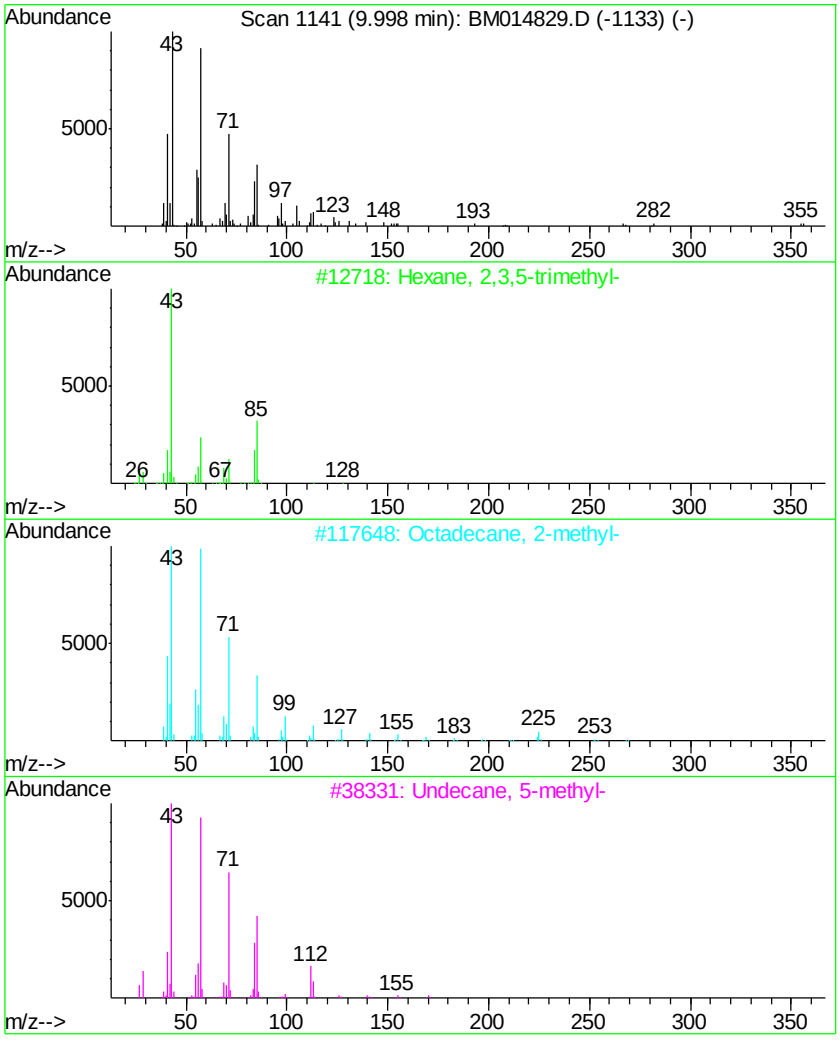
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

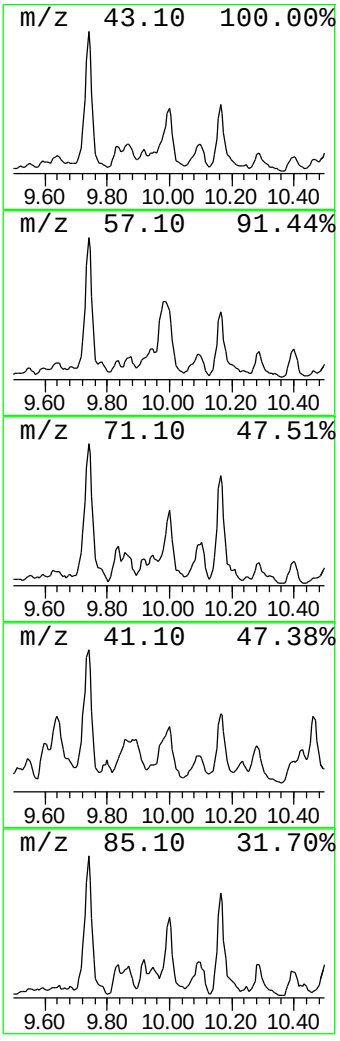
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	2.26 ng/ul	507313	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	72
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	59
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	59
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	53
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53





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Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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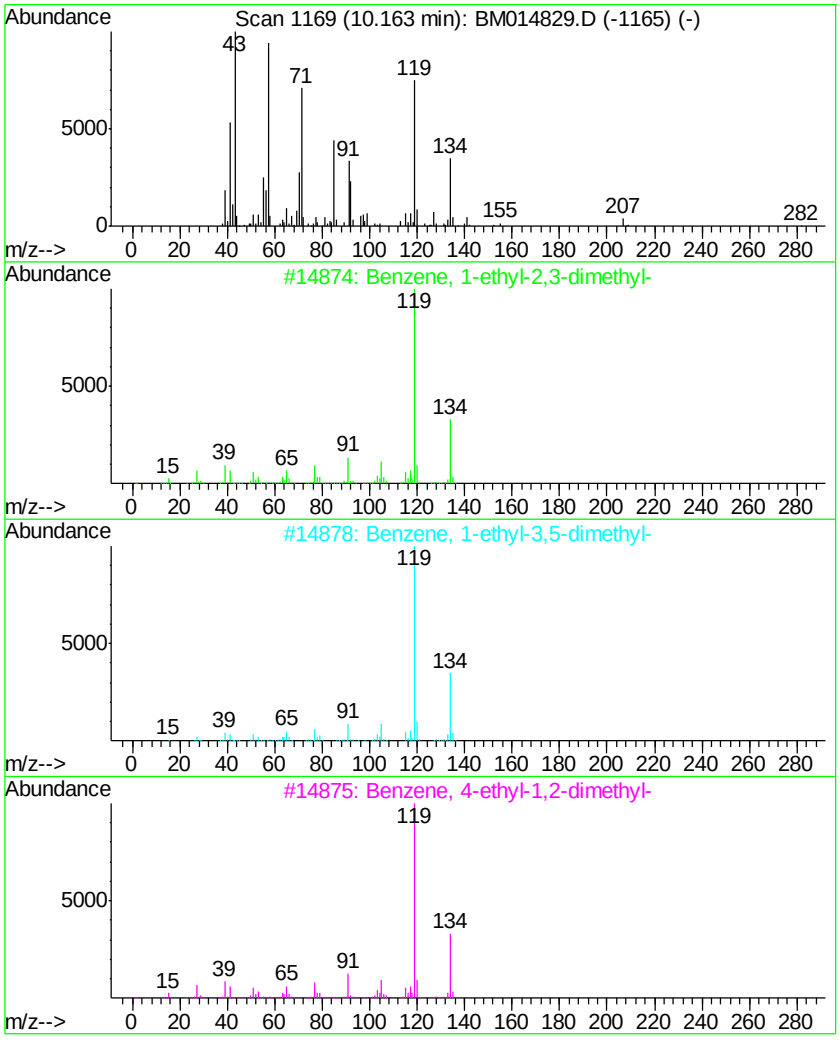
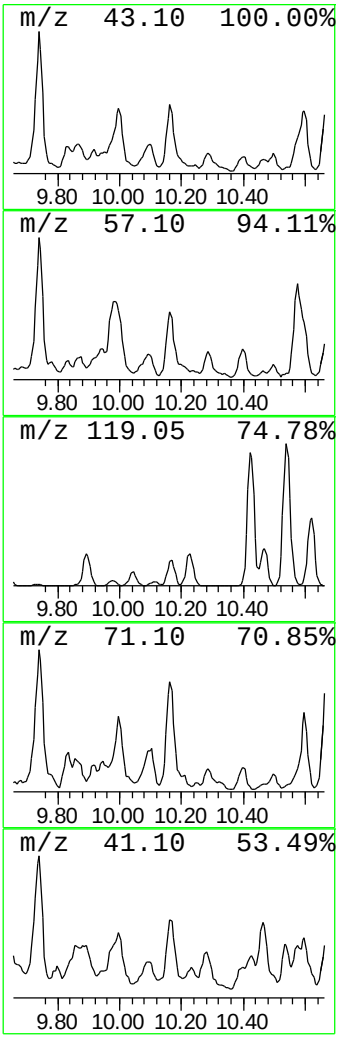
Peak Number 16 unknown-01 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	2.15 ng/ul	482202	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	42
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	42
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	42
4	o-Cymene	134	C10H14	000527-84-4	42
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	42





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Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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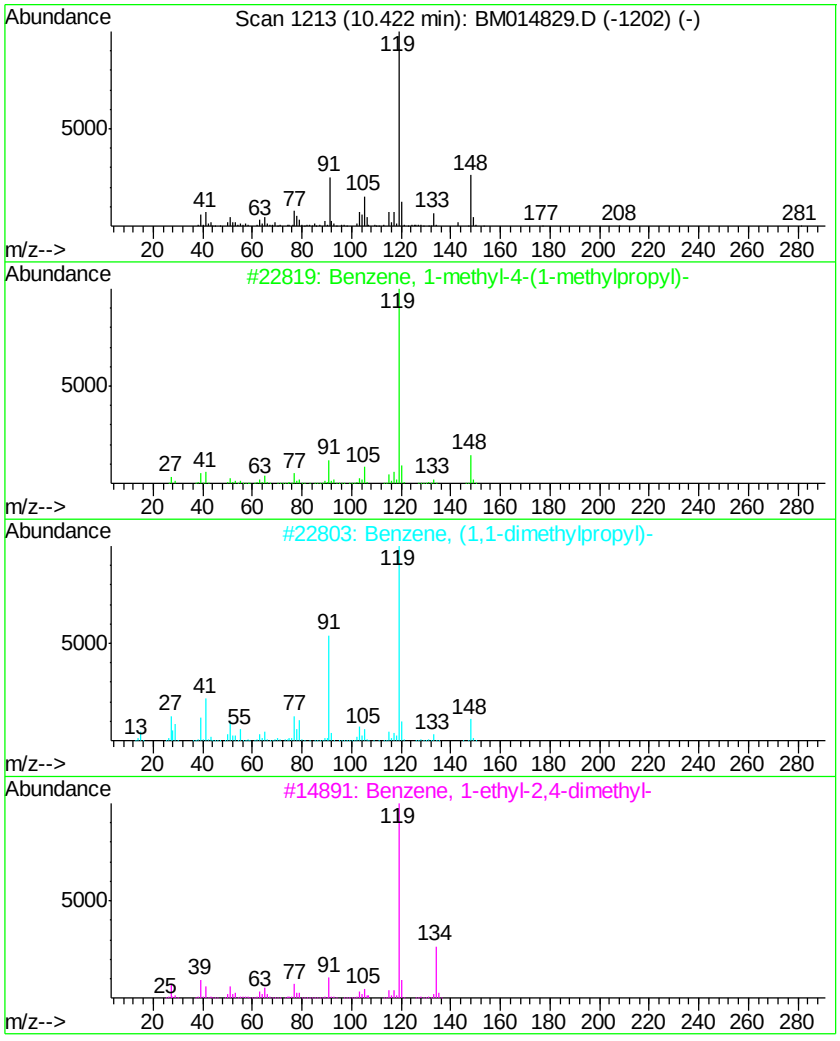
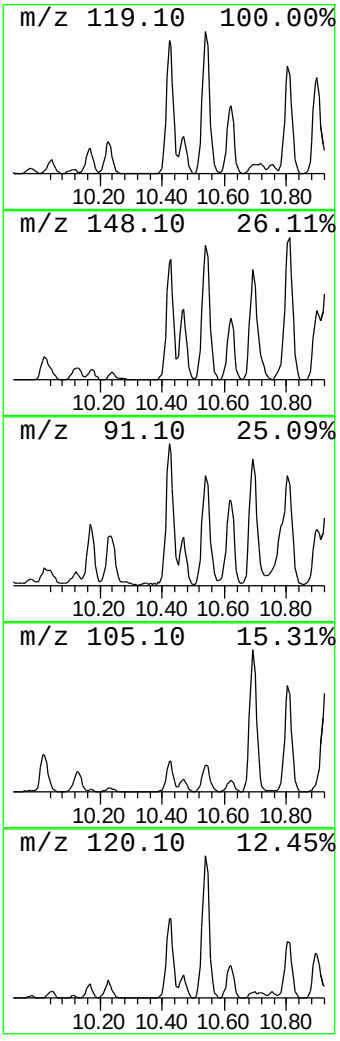
Peak Number 17 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	4.33 ng/ul	971823	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	94
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	87
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	74
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72





Library Search Compound Report

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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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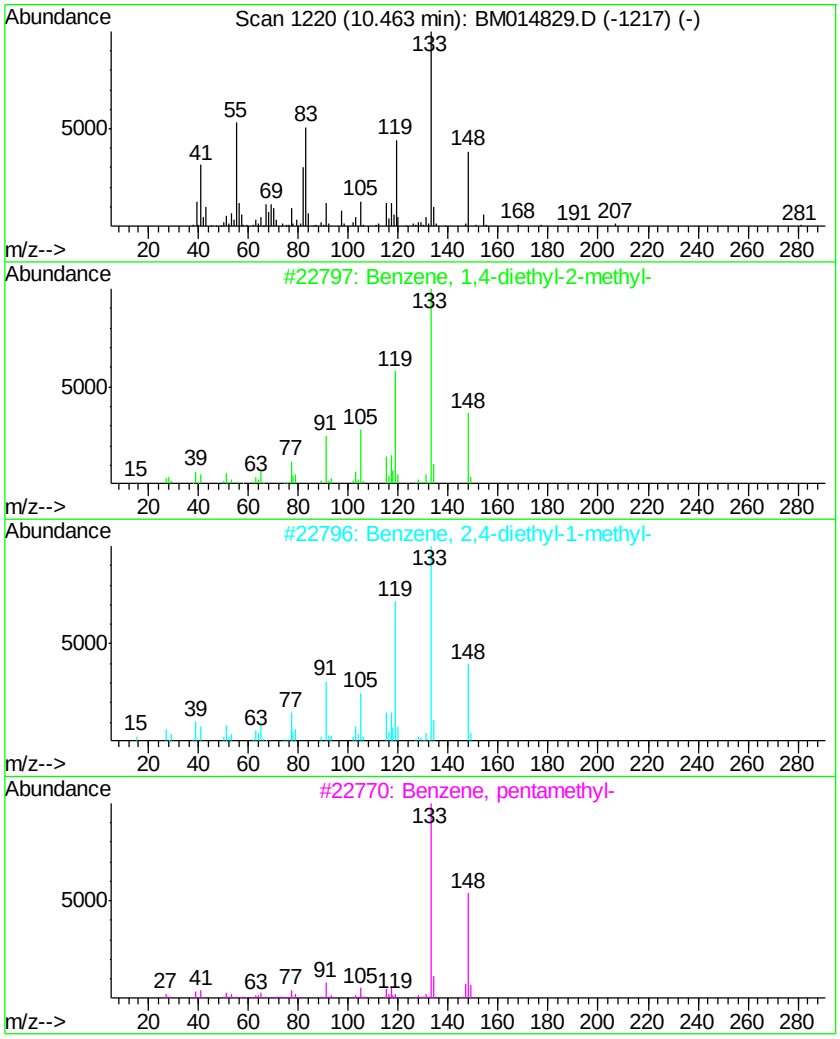
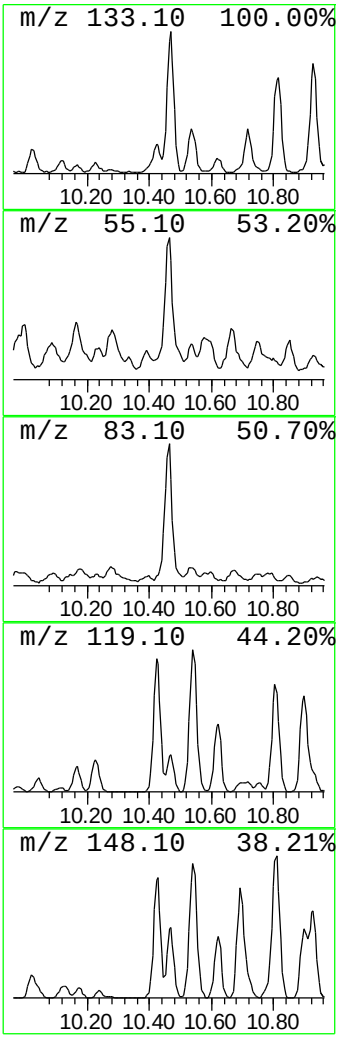
Peak Number 18 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	2.85 ng/ul	639510	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	93
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	89
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	49





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Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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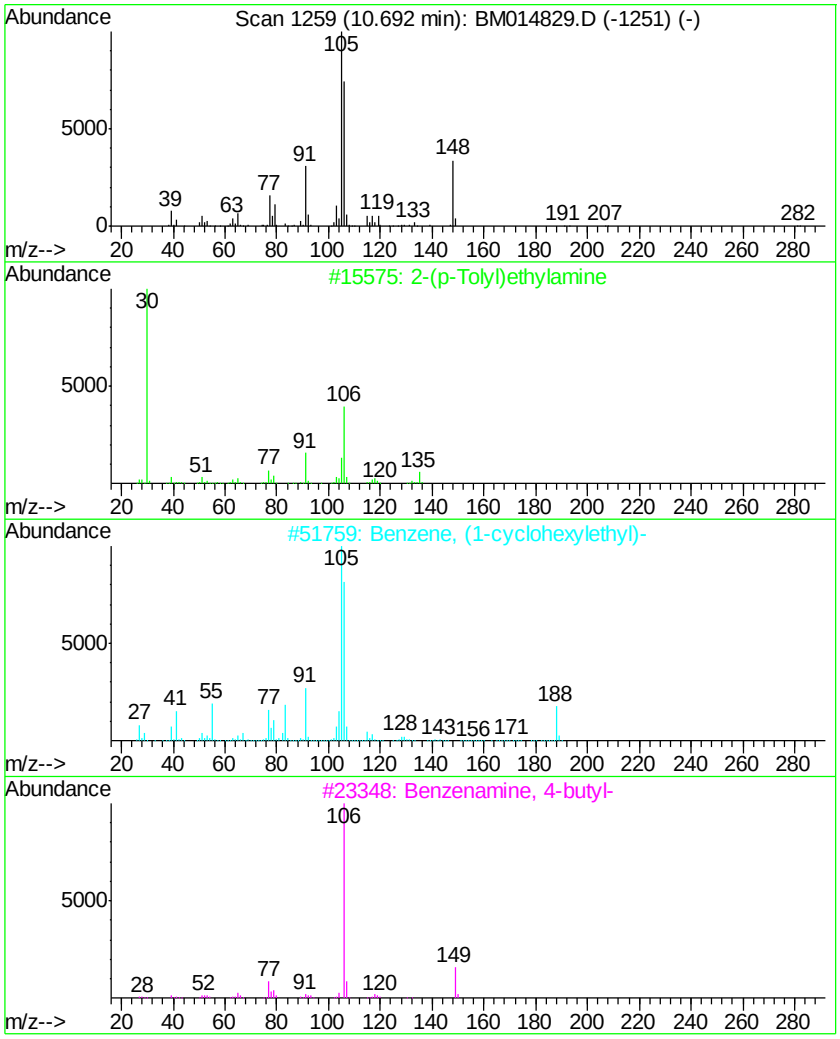
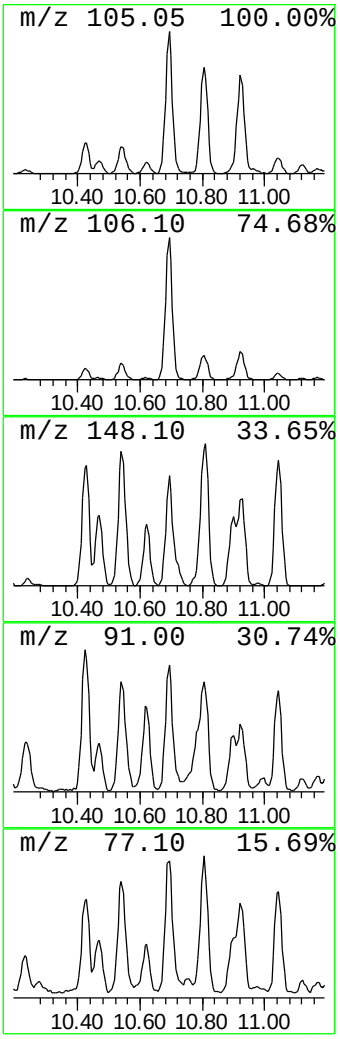
Peak Number 21 2-(p-Tolyl)ethylamine Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	3.70 ng/ul	831066	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	64
2	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	59
3	Benzenamine, 4-butyl-	149	C10H15N	000104-13-2	49
4	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	45
5	Benzeneacetic acid, 4-amino-	151	C8H9NO2	001197-55-3	43





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Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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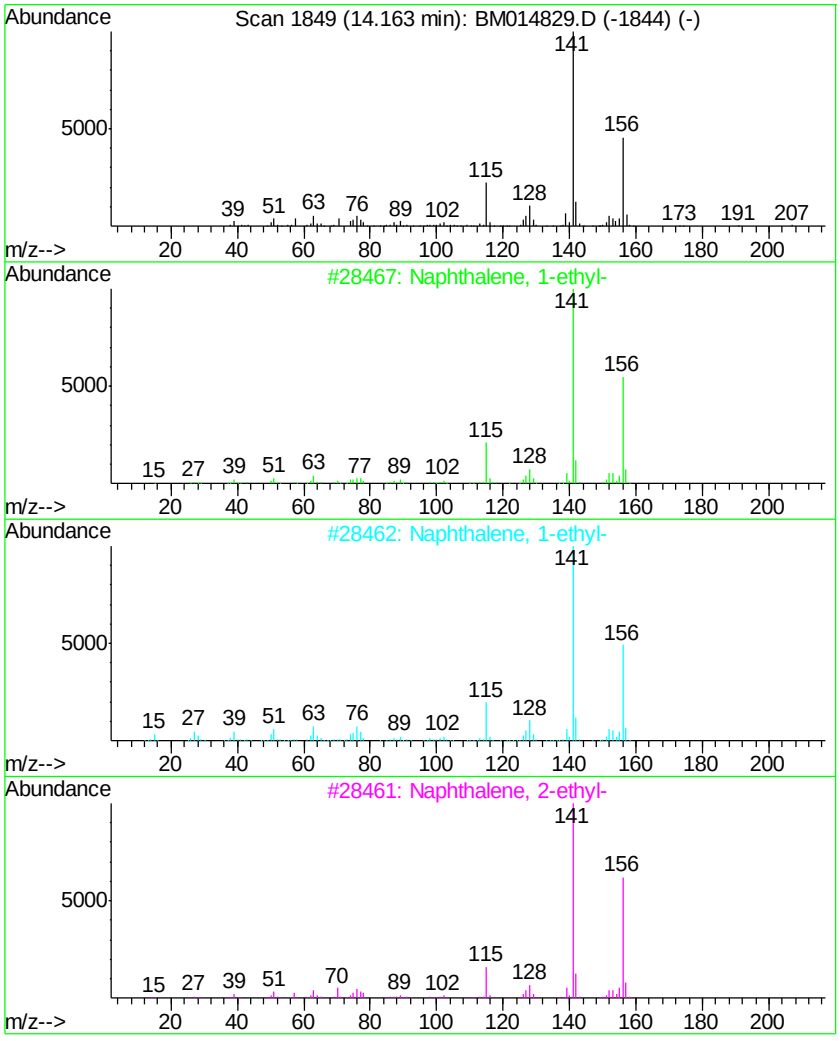
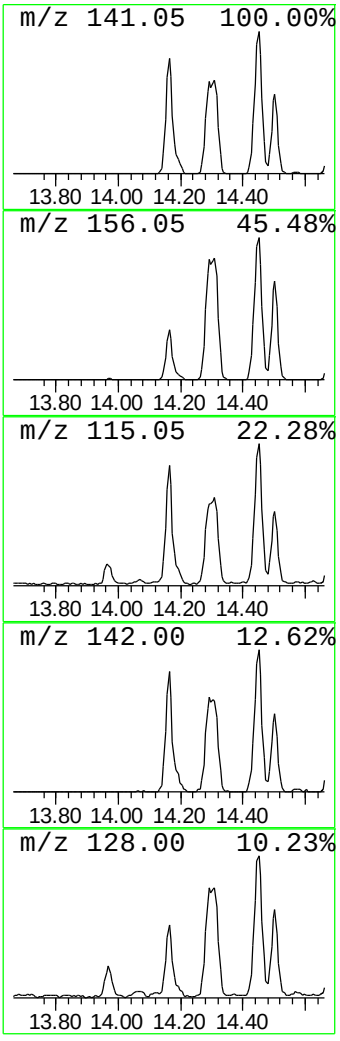
Peak Number 24 Naphthalene, 1-ethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	3.31 ng/ul	839677	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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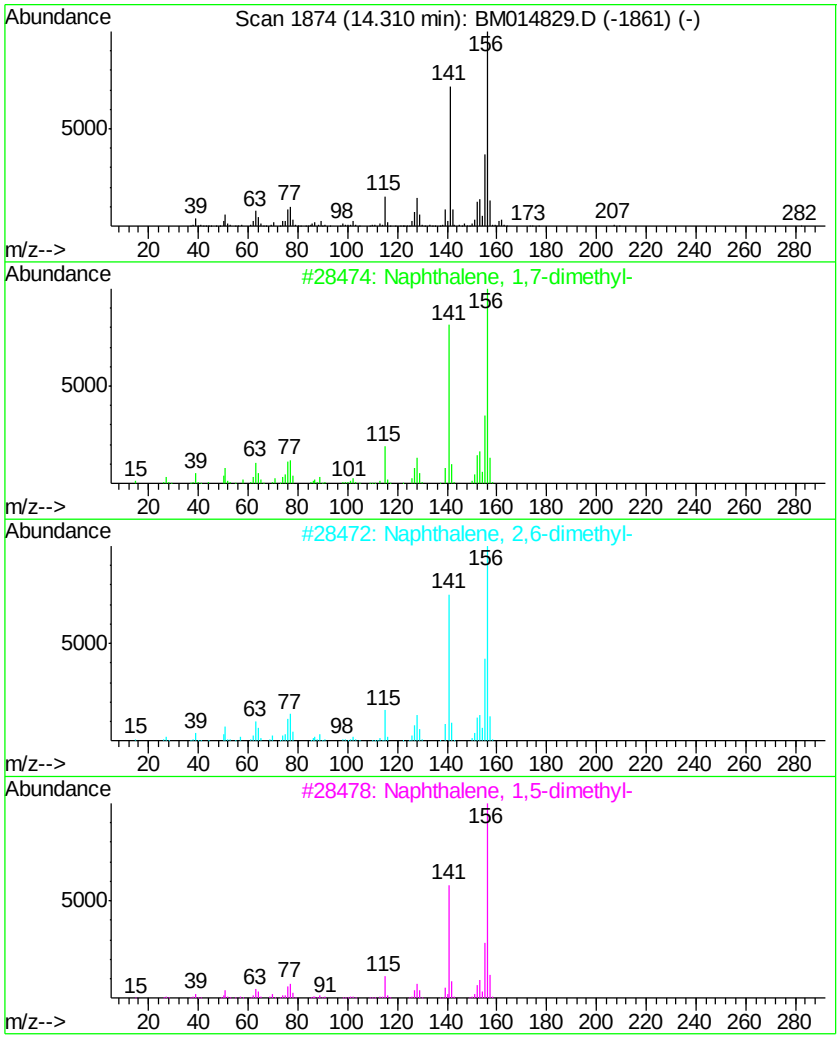
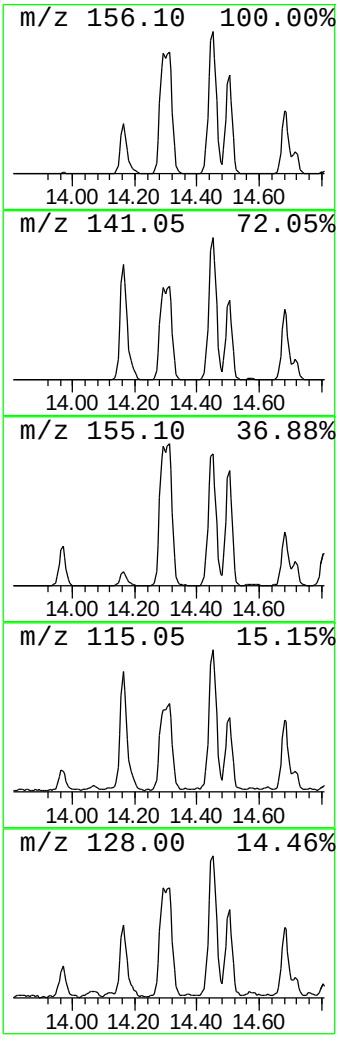
Peak Number 25 Naphthalene, 1,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	8.01 ng/ul	2034070	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Acq On : 25 Apr 2018 02:54
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Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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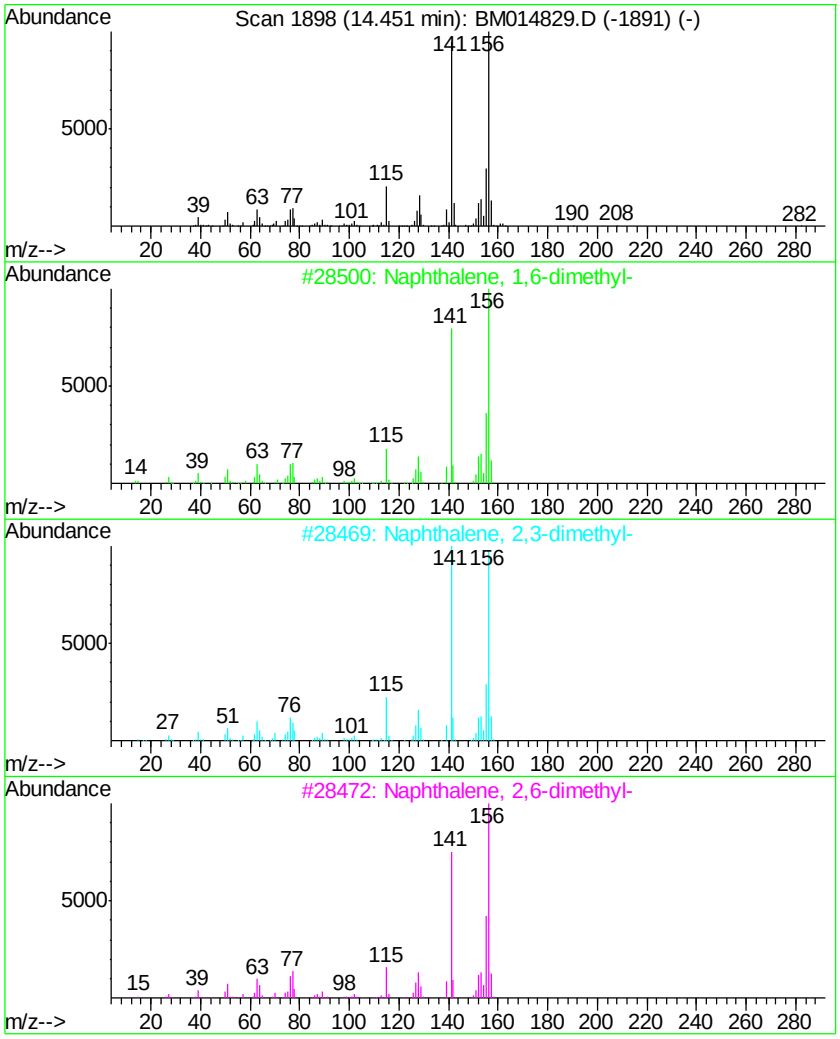
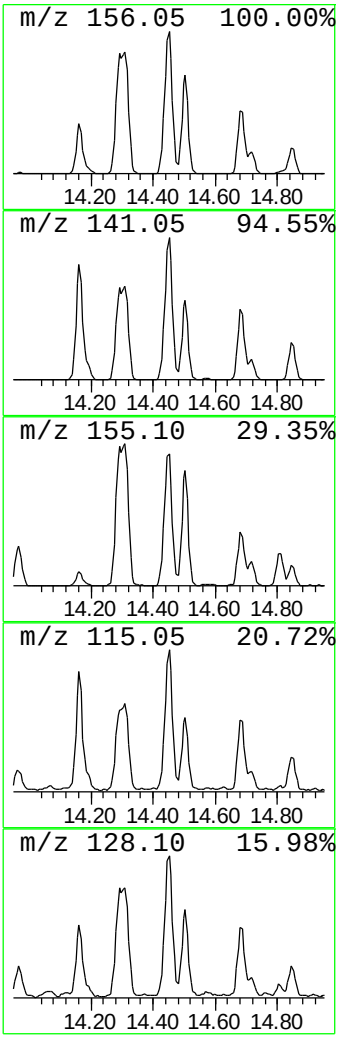
Peak Number 26 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	6.52 ng/ul	1654210	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 28 Naphthalene, 2,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	2.79 ng/ul	708977	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
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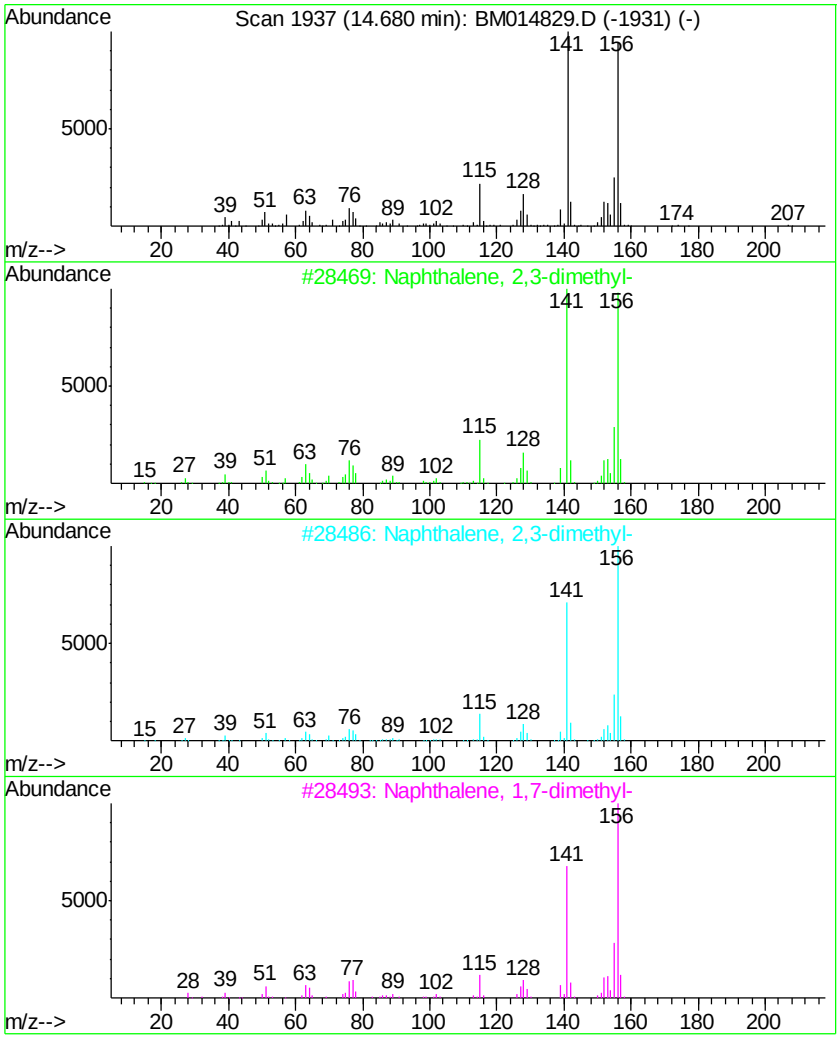

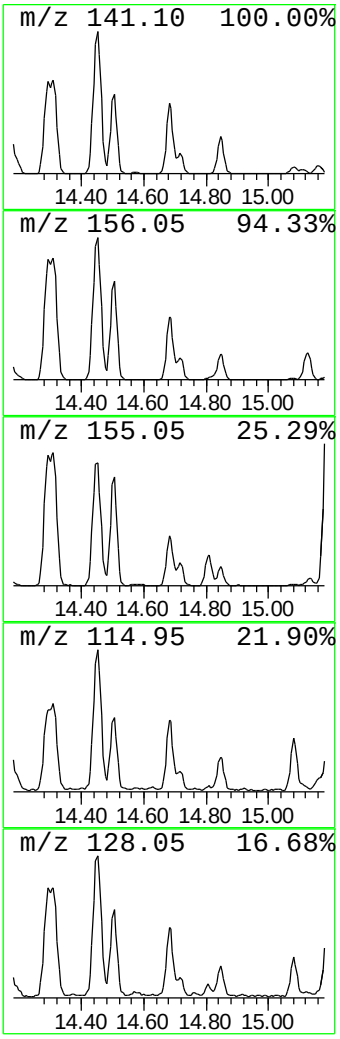

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Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 29 Naphthalene, 1,3-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.46 ng/ul	625679	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
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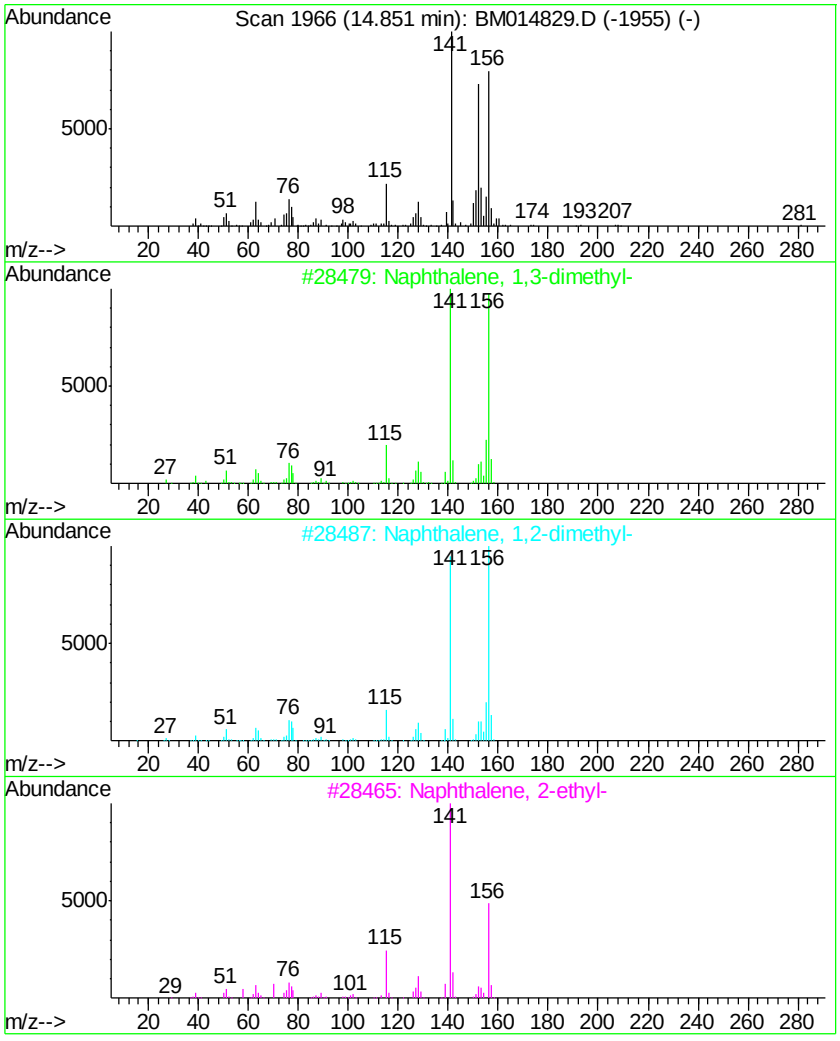

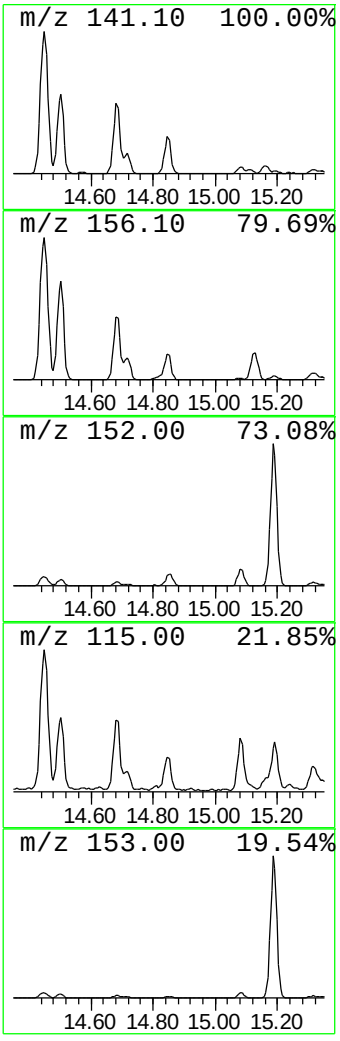

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Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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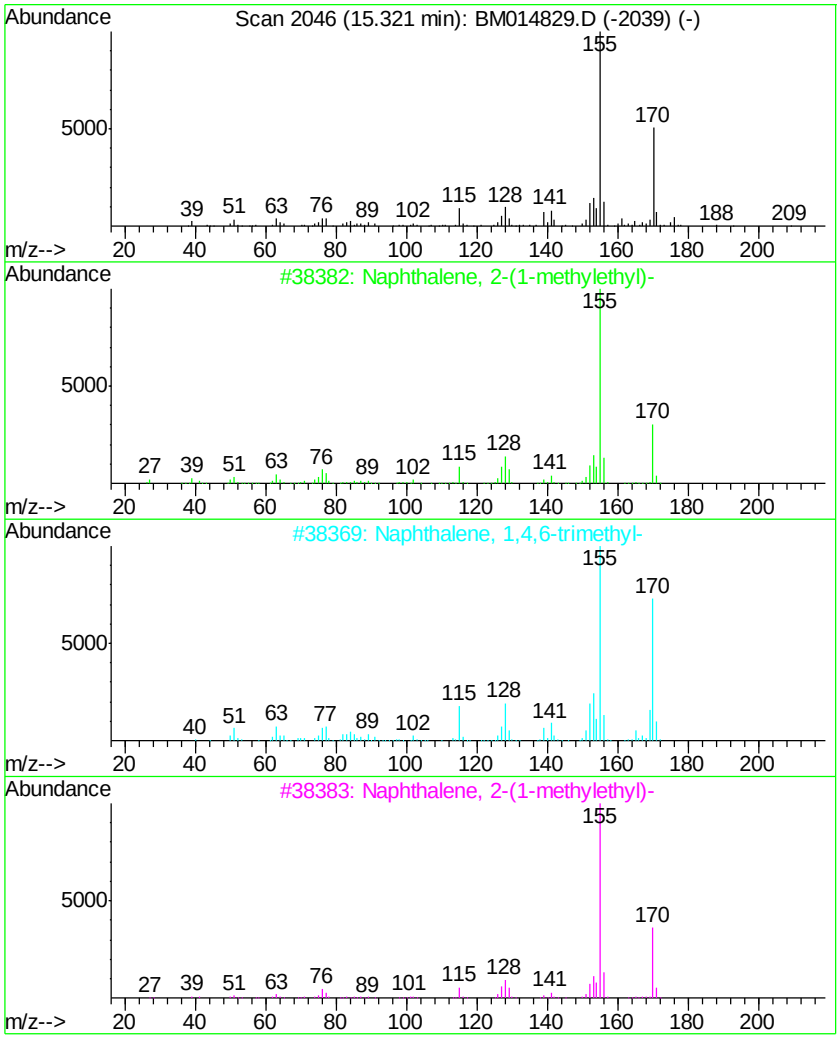
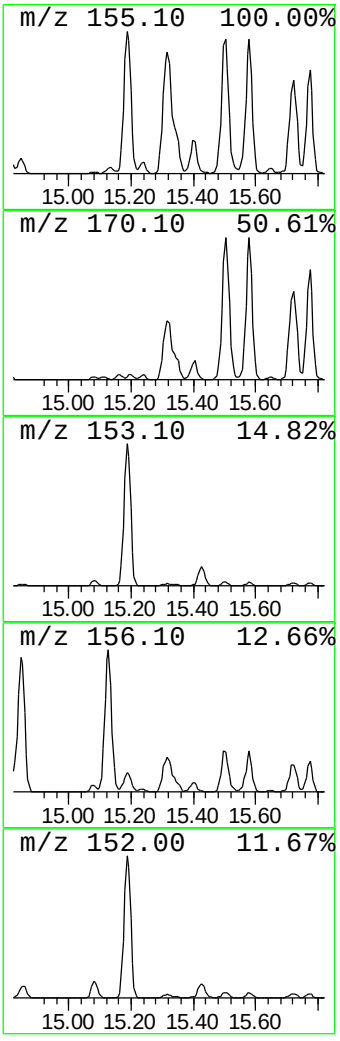
Peak Number 30 Naphthalene, 2-(1-methyleth... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.28 ng/ul	577878	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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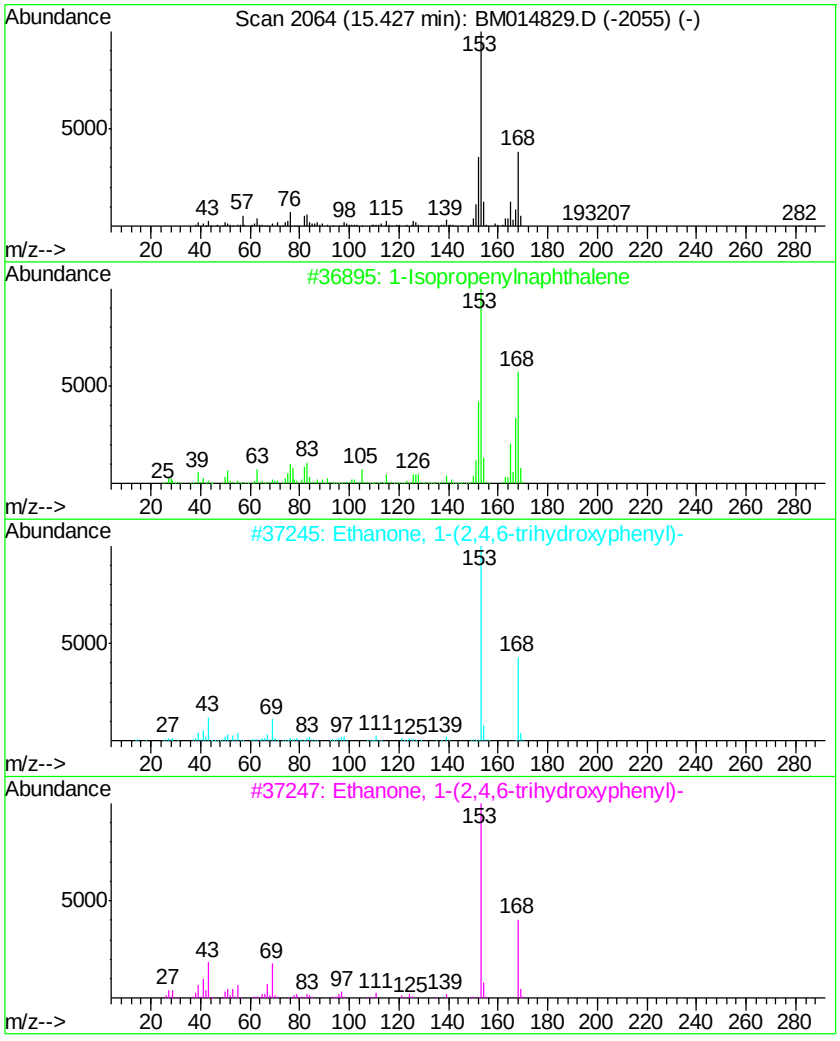
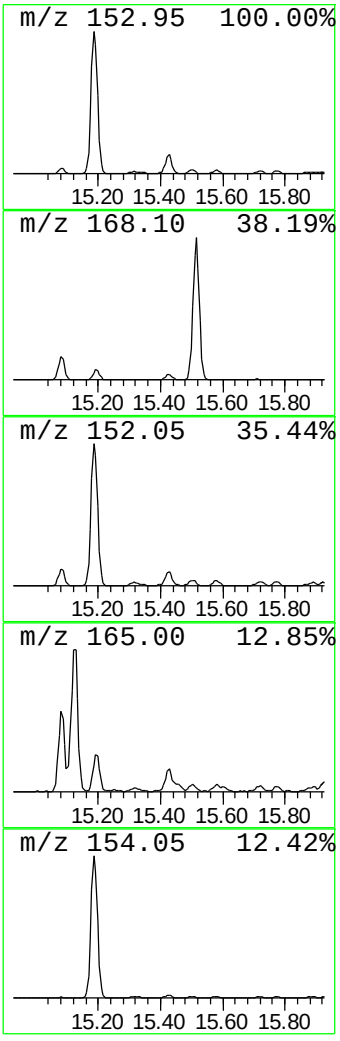
Peak Number 31 1-Isopropenylnaphthalene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.83 ng/ul	717748	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
5	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	53





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 32 Naphthalene, 2,3,6-trimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.37 ng/ul	601739	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
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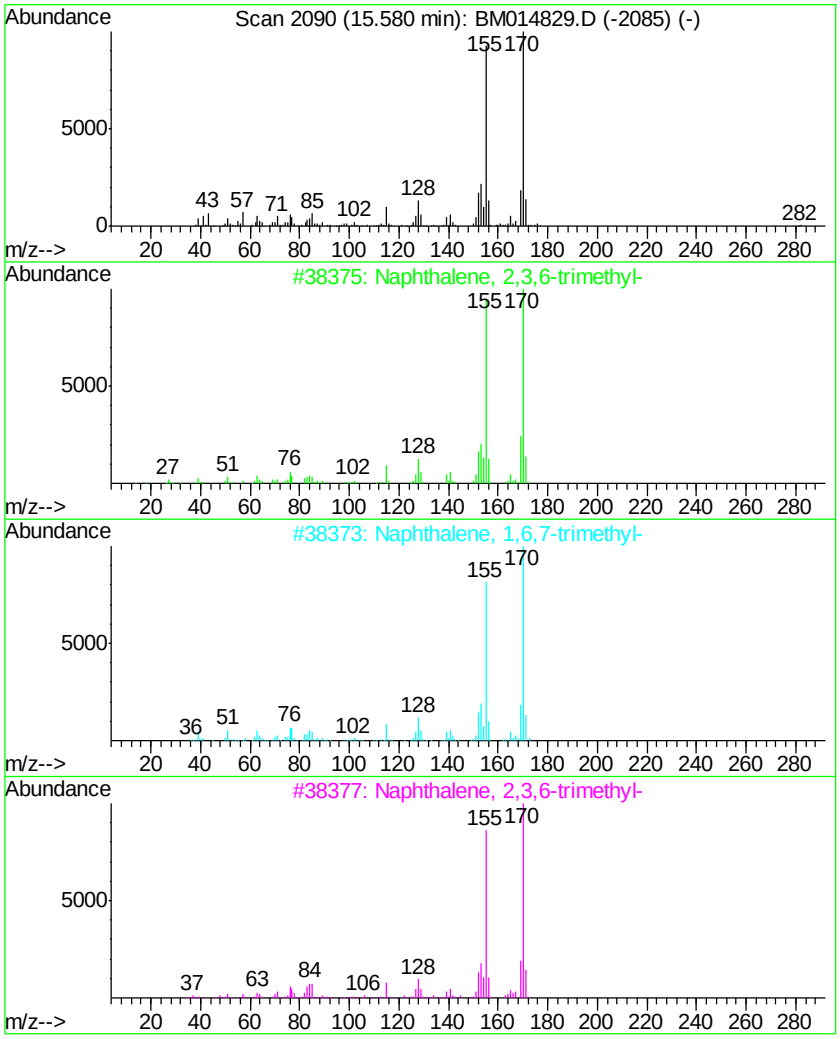

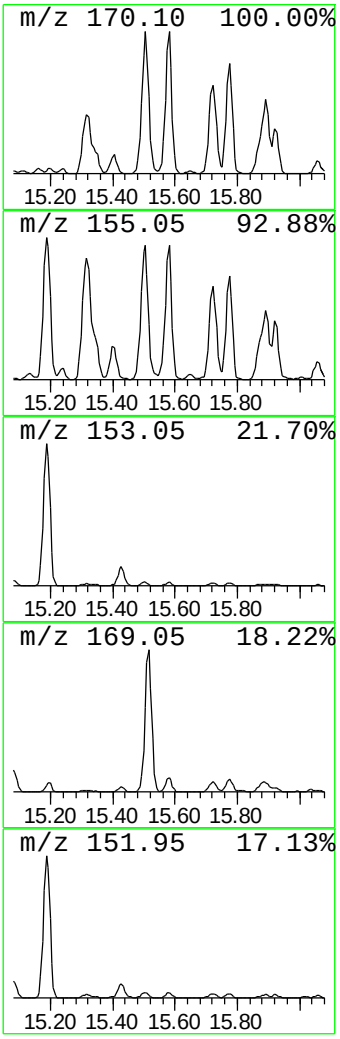

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Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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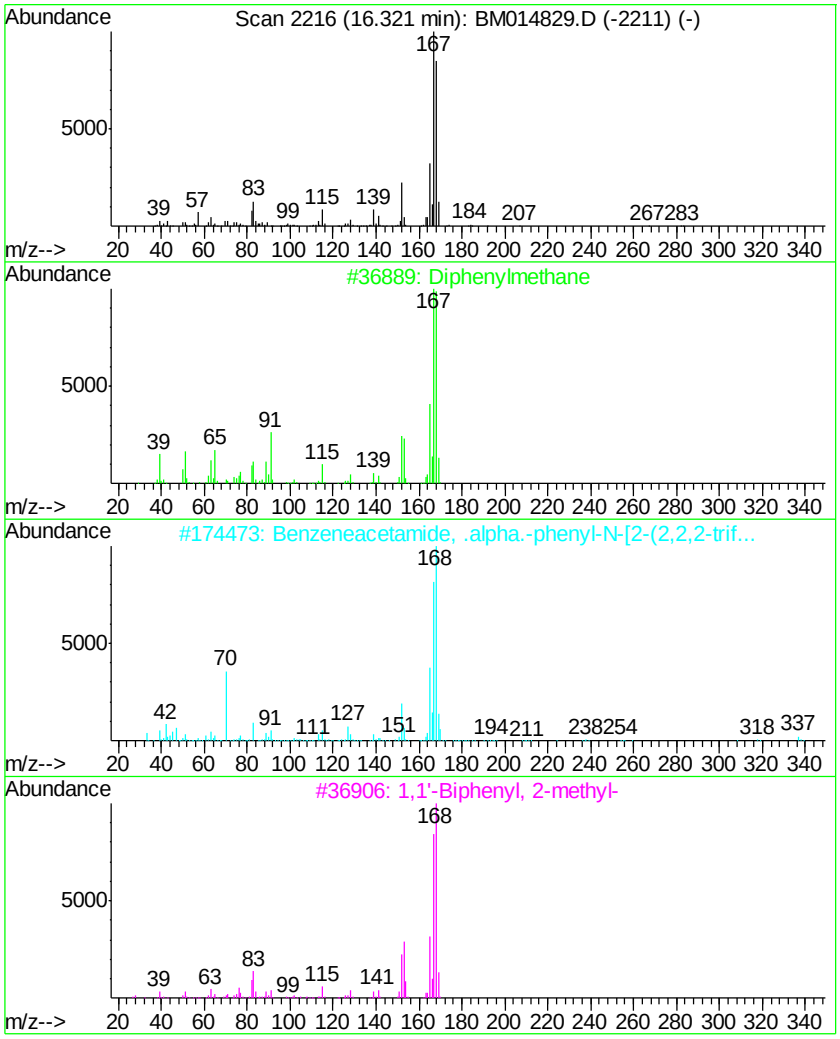
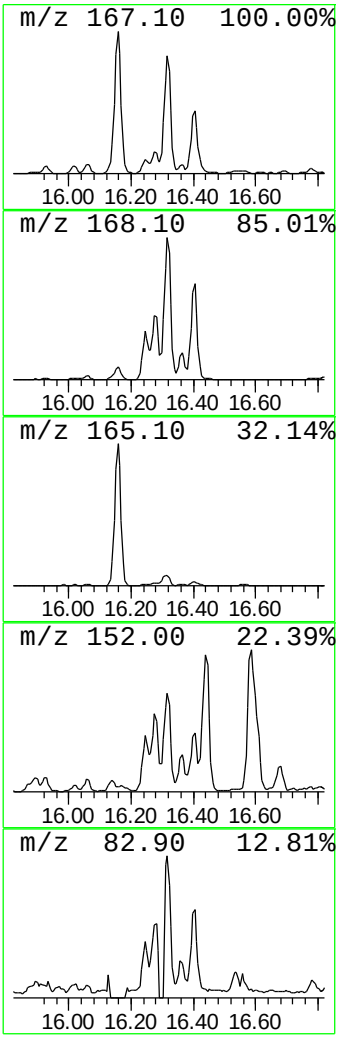
Peak Number 34 Diphenylmethane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	6.60 ng/ul	1675760	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	90
2	Benzeneacetamide, .alpha.-phenyl...	337	C18H18F3NO2	1000350-80-6	86
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
5	Diphenylmethane	168	C13H12	000101-81-5	74





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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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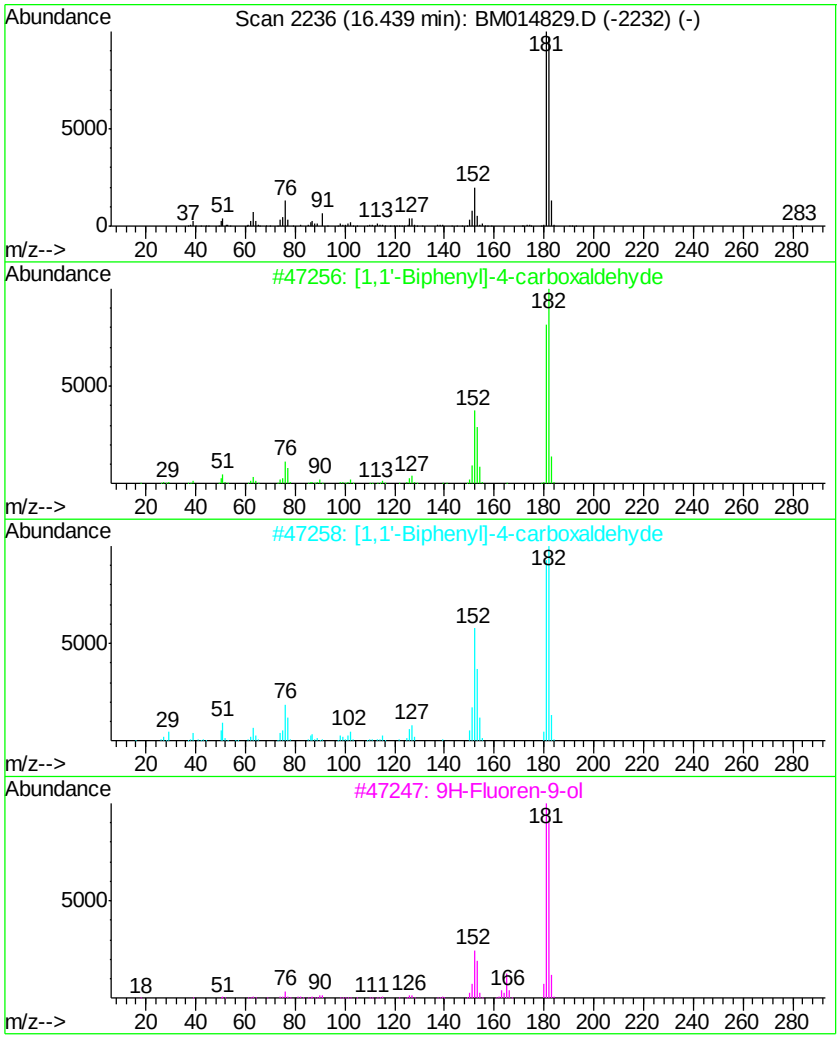
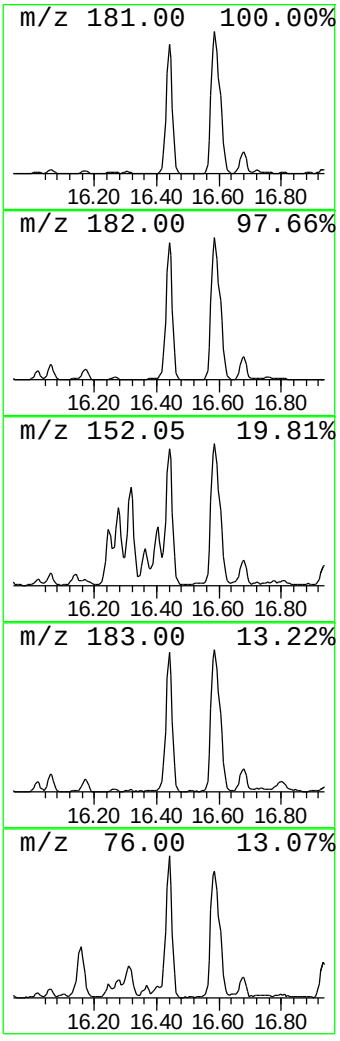
Peak Number 36 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	8.07 ng/ul	2047770	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59





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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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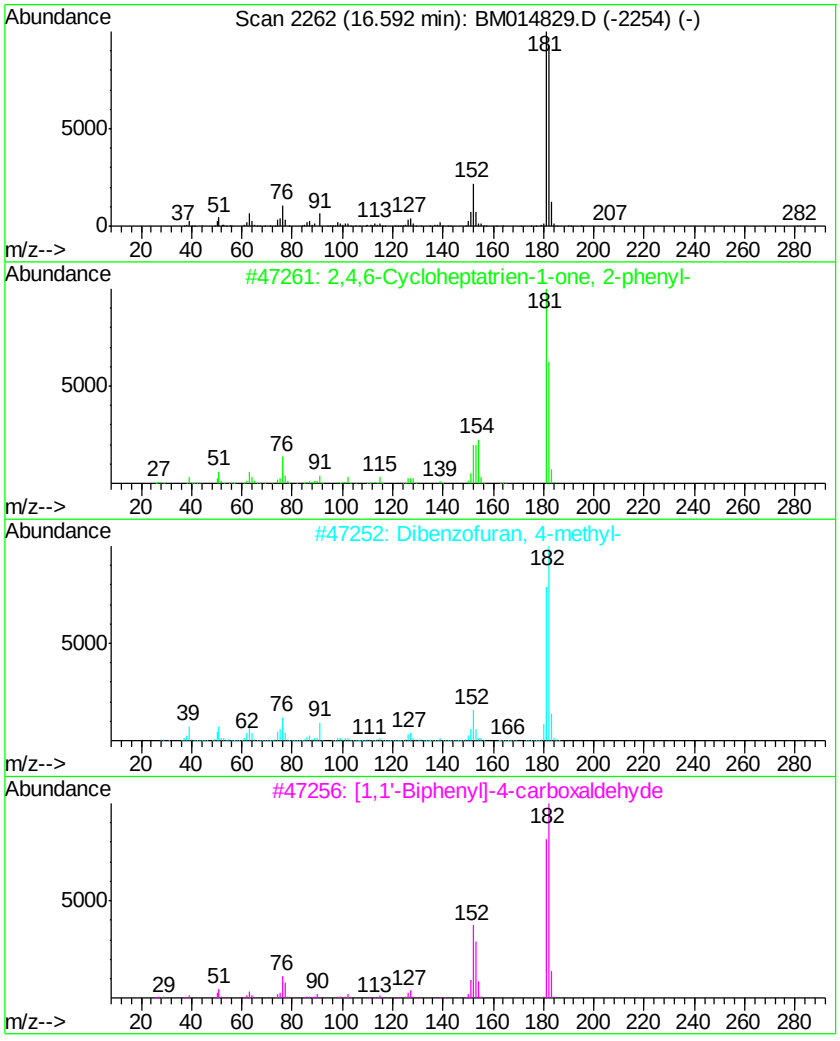
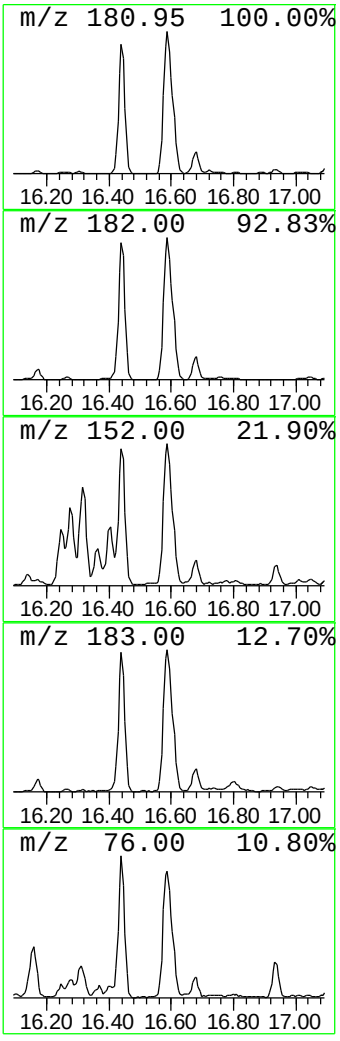
Peak Number 37 2,4,6-Cycloheptatrien-1-one... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	10.15 ng/ul	2801080	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83





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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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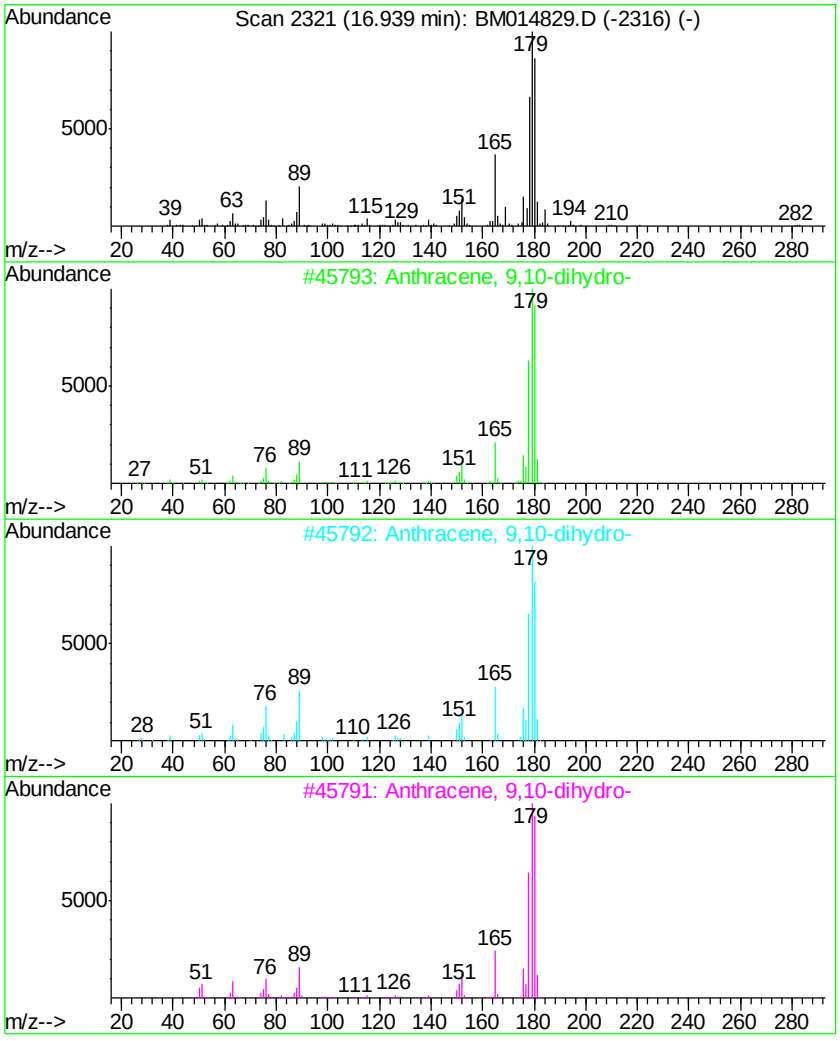
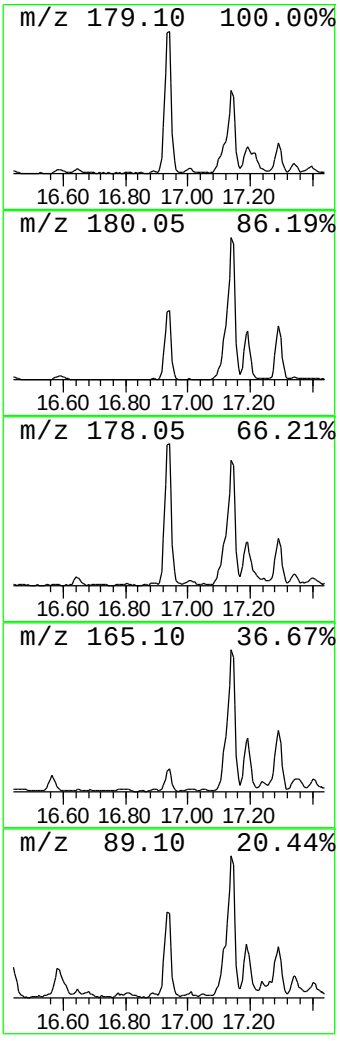
Peak Number 38 Anthracene, 9,10-dihydro- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	2.42 ng/ul	667034	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	(E)-Stilbene	180	C14H12	000103-30-0	93
5	Stilbene	180	C14H12	000588-59-0	93





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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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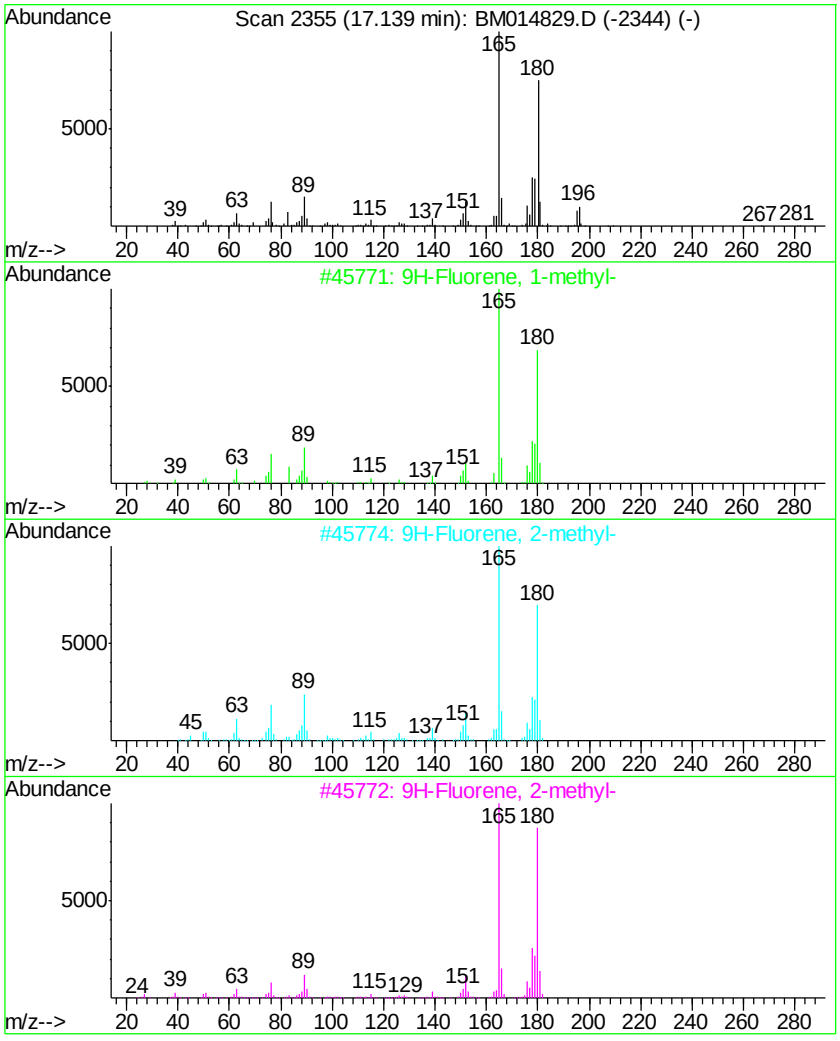
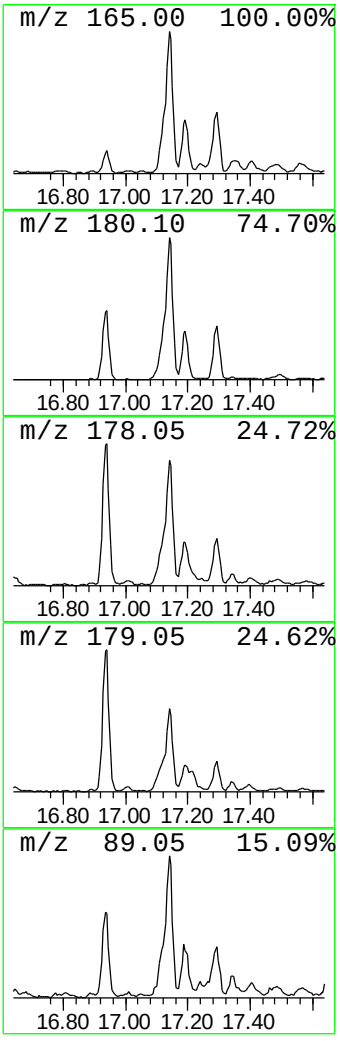
Peak Number 39 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	6.65 ng/ul	1836680	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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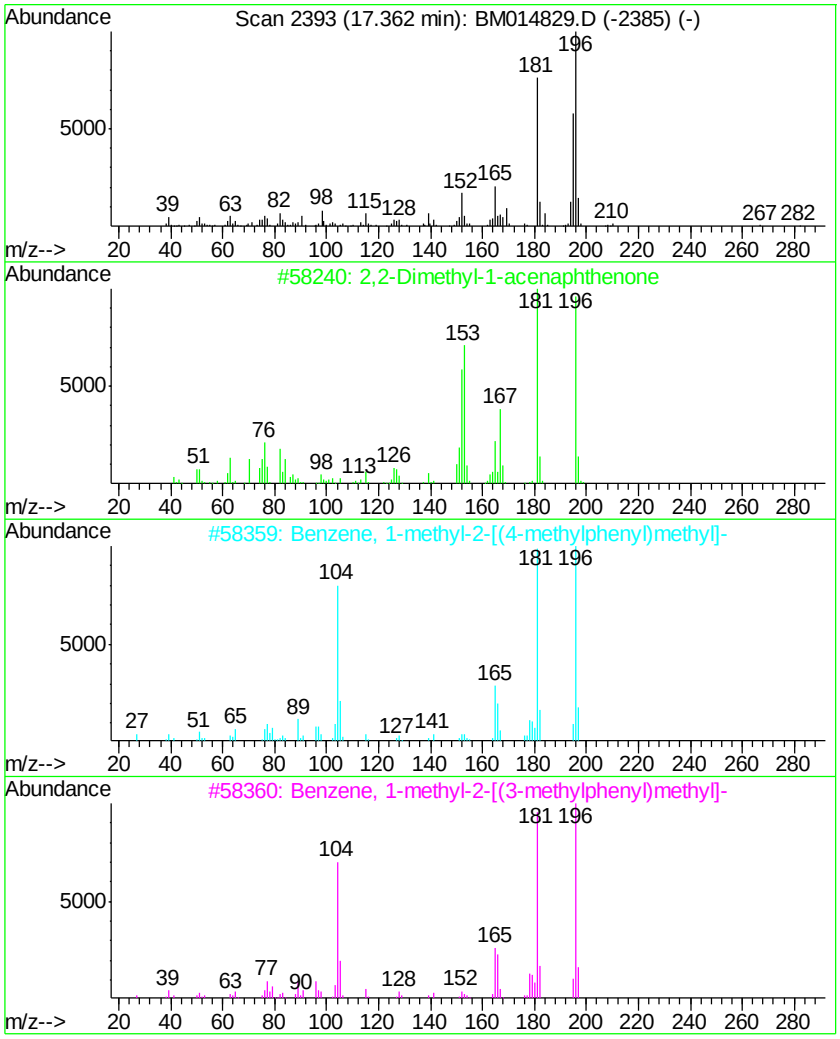
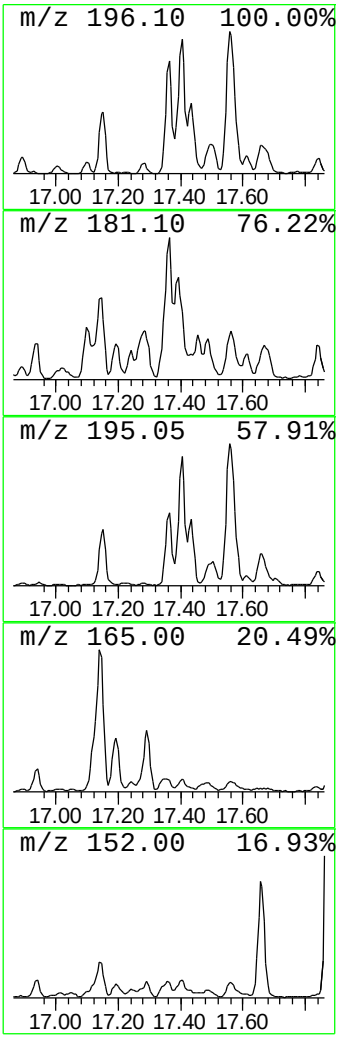
Peak Number 41 2,2-Dimethyl-1-acenaphthenone Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	2.40 ng/ul	662658	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	70
2	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	64
3	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	64
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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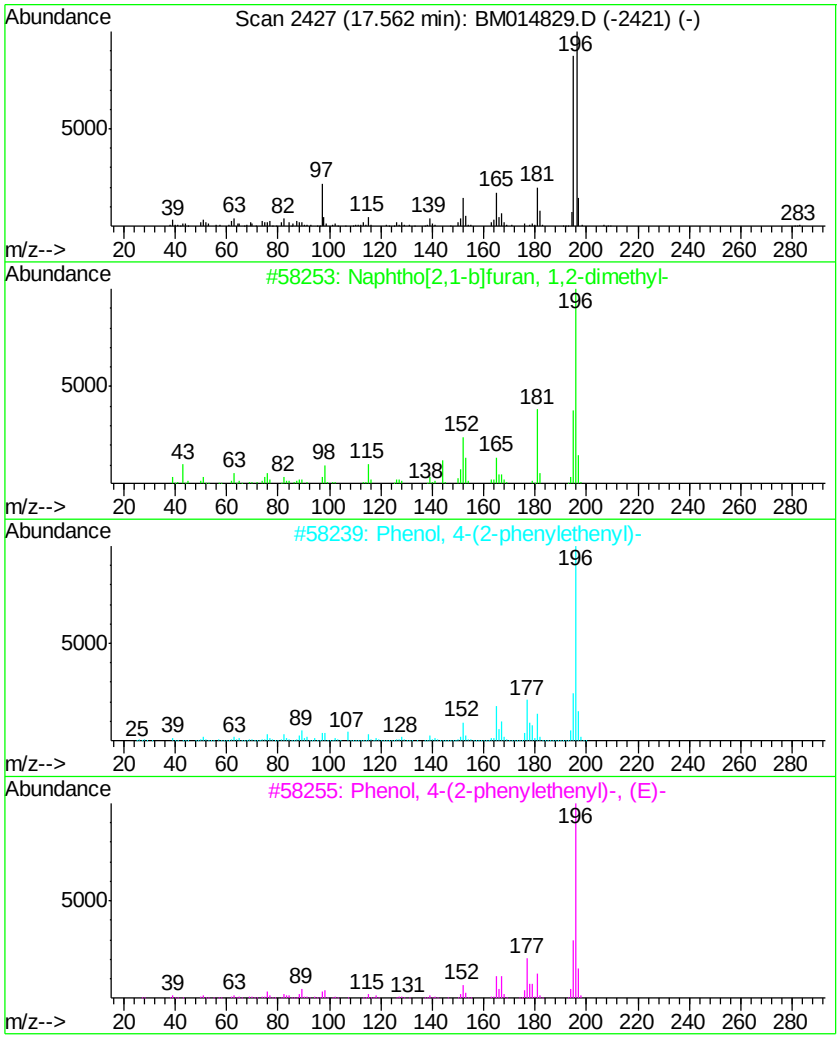
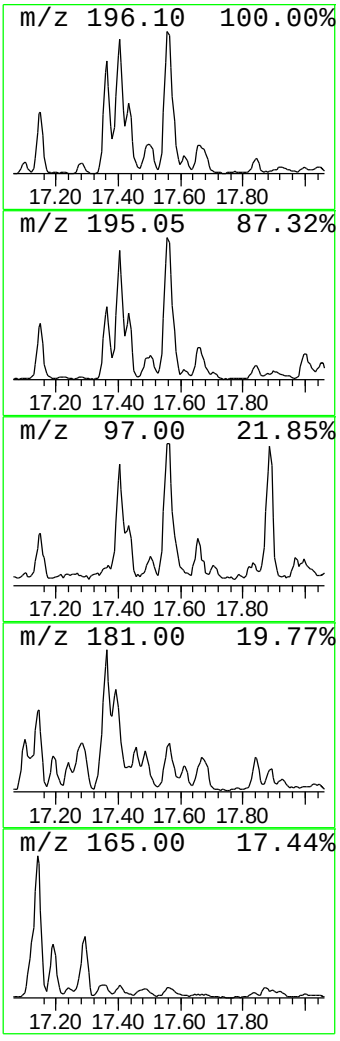
Peak Number 42 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	3.10 ng/ul	855107	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	49
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	47





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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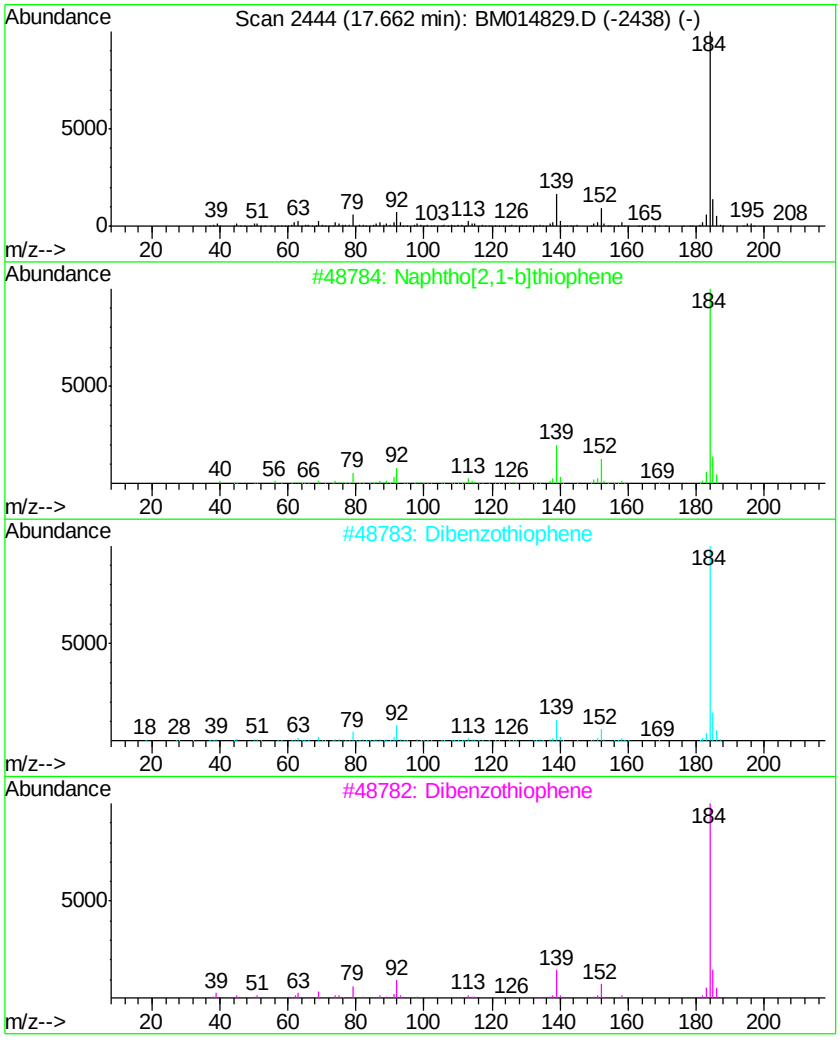
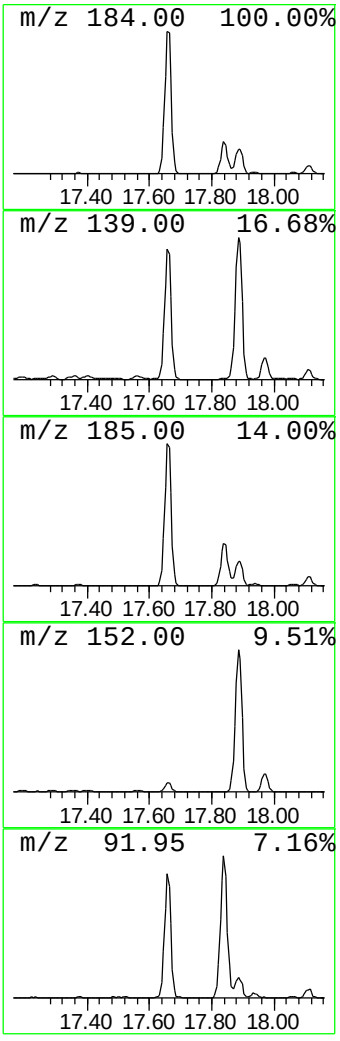
Peak Number 43 Naphtho[2,1-b]thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	12.16 ng/ul	3355790	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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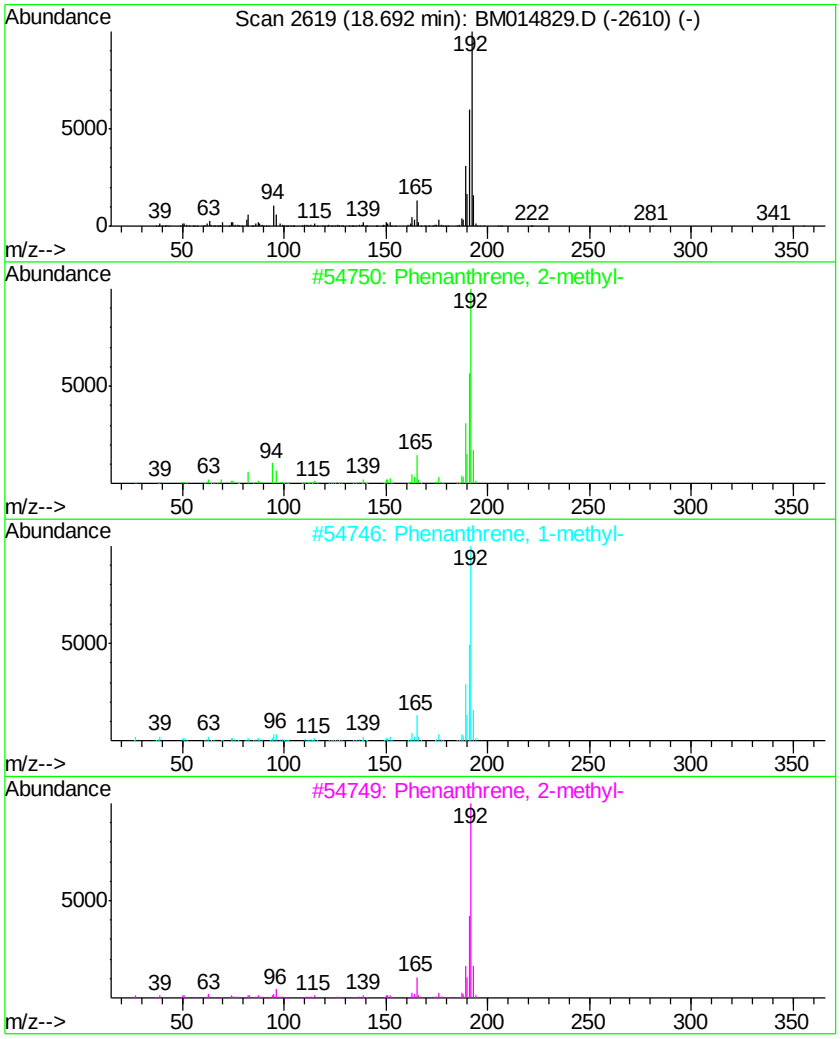
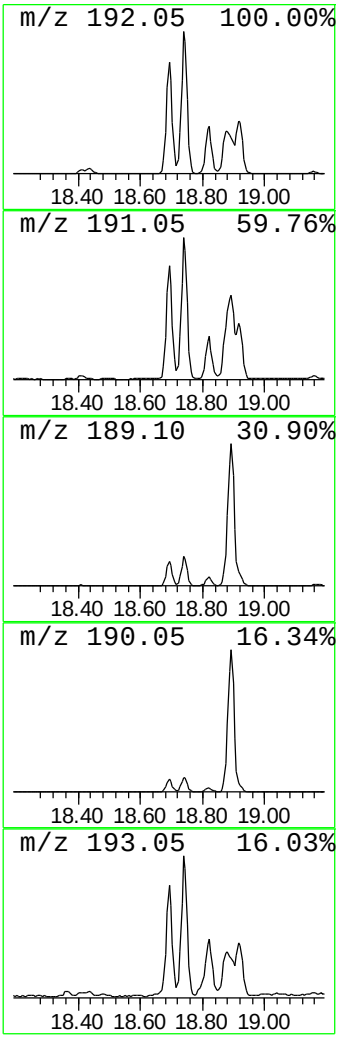
Peak Number 44 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	8.96 ng/ul	2472110	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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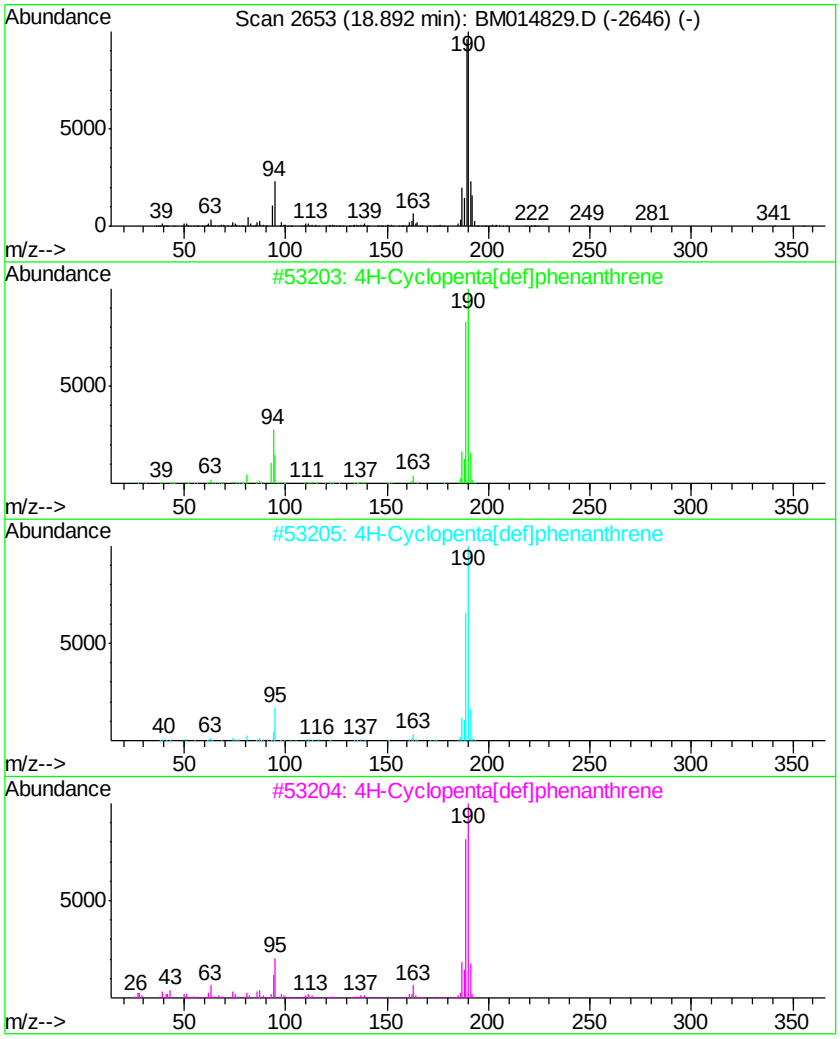
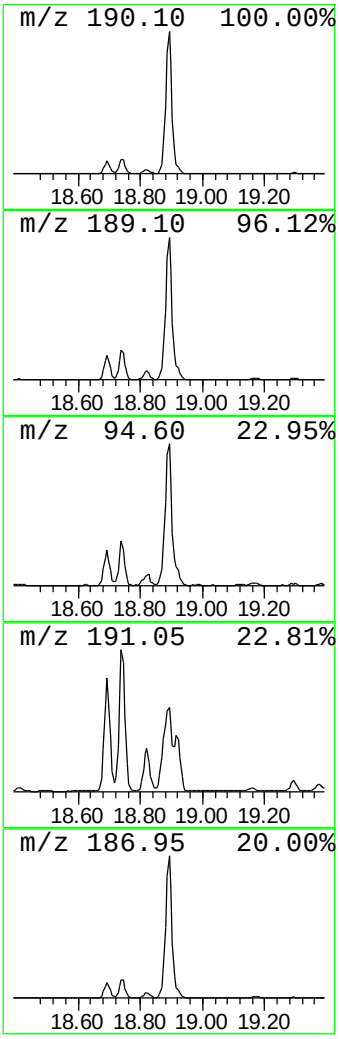
Peak Number 47 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	25.06 ng/ul	6915790	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 48 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	6.59 ng/ul	1817590	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	98
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
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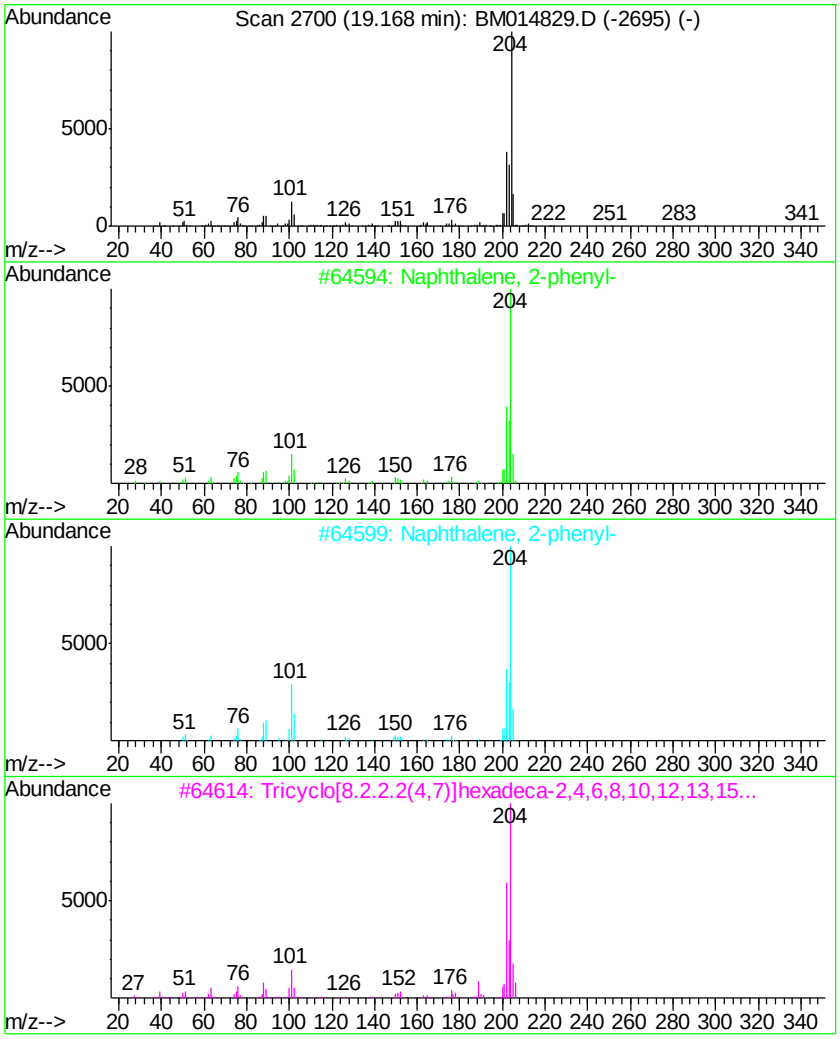

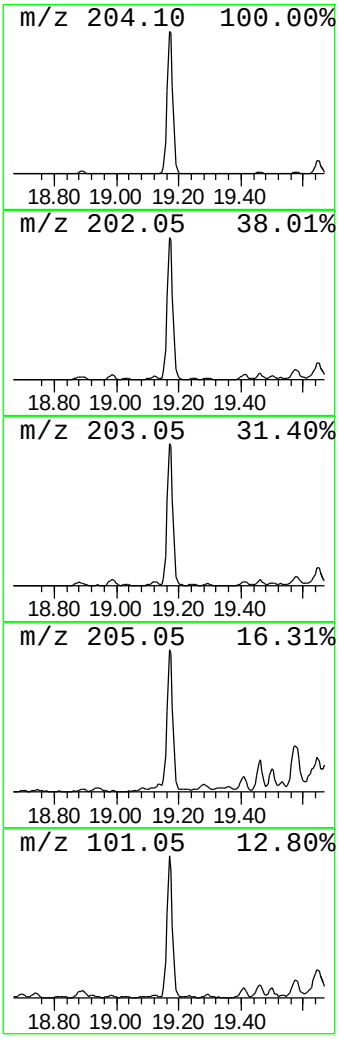

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Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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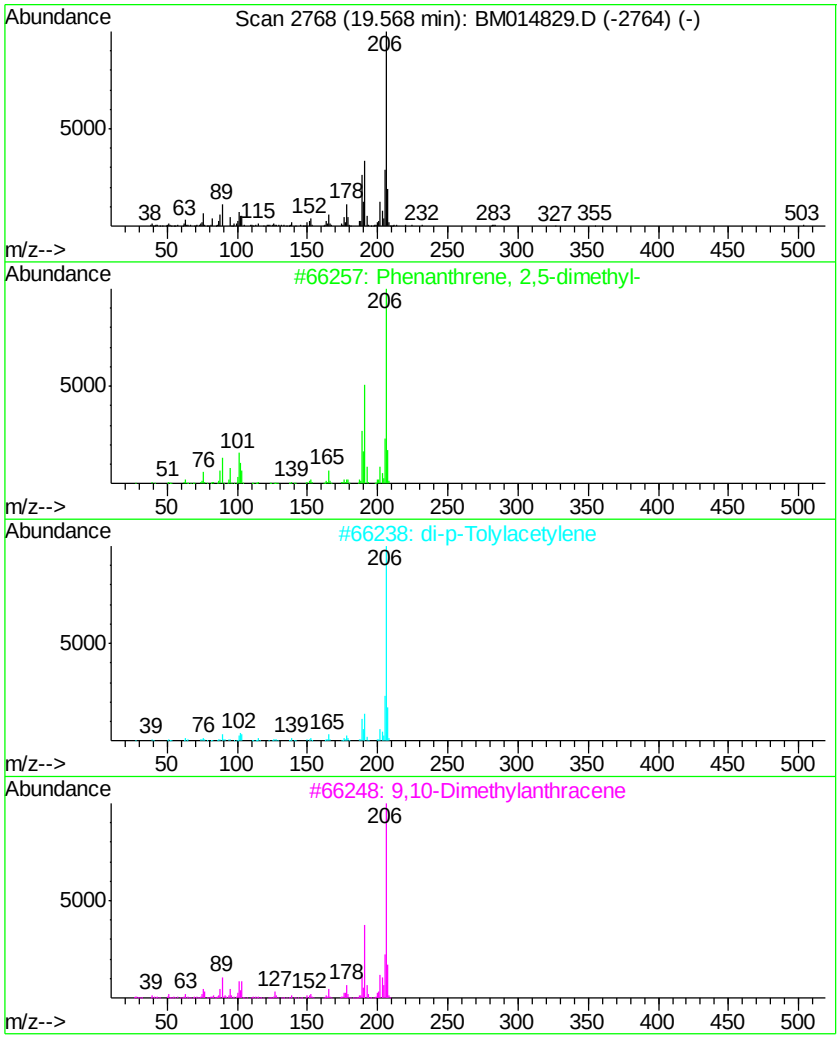
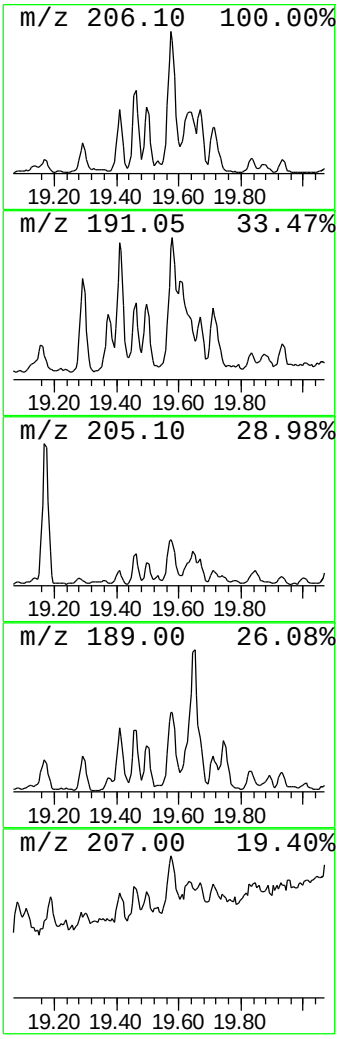
Peak Number 49 Phenanthrene, 2,5-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	2.39 ng/ul	660709	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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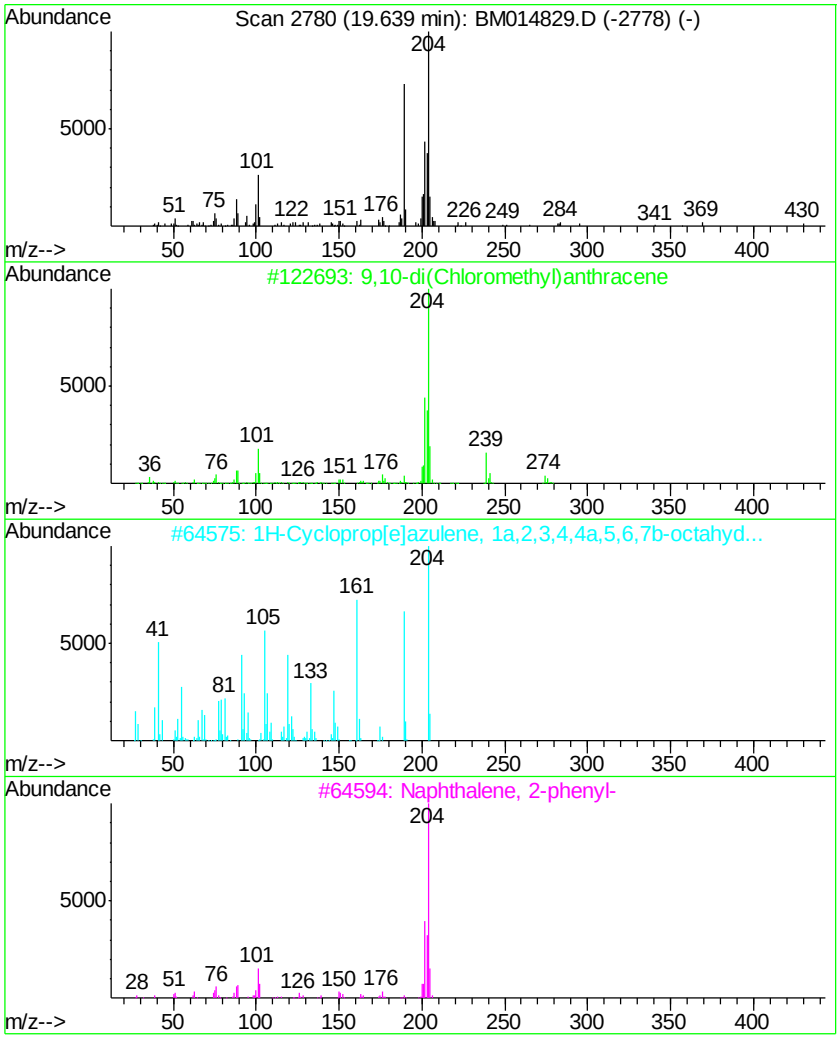
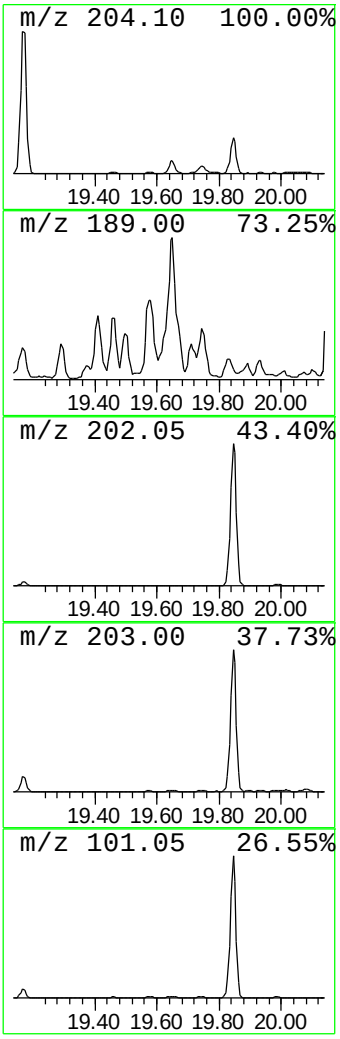
Peak Number 50 9,10-di(Chloromethyl)anthra... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.04 ng/ul	564364	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
2	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	47
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	40
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

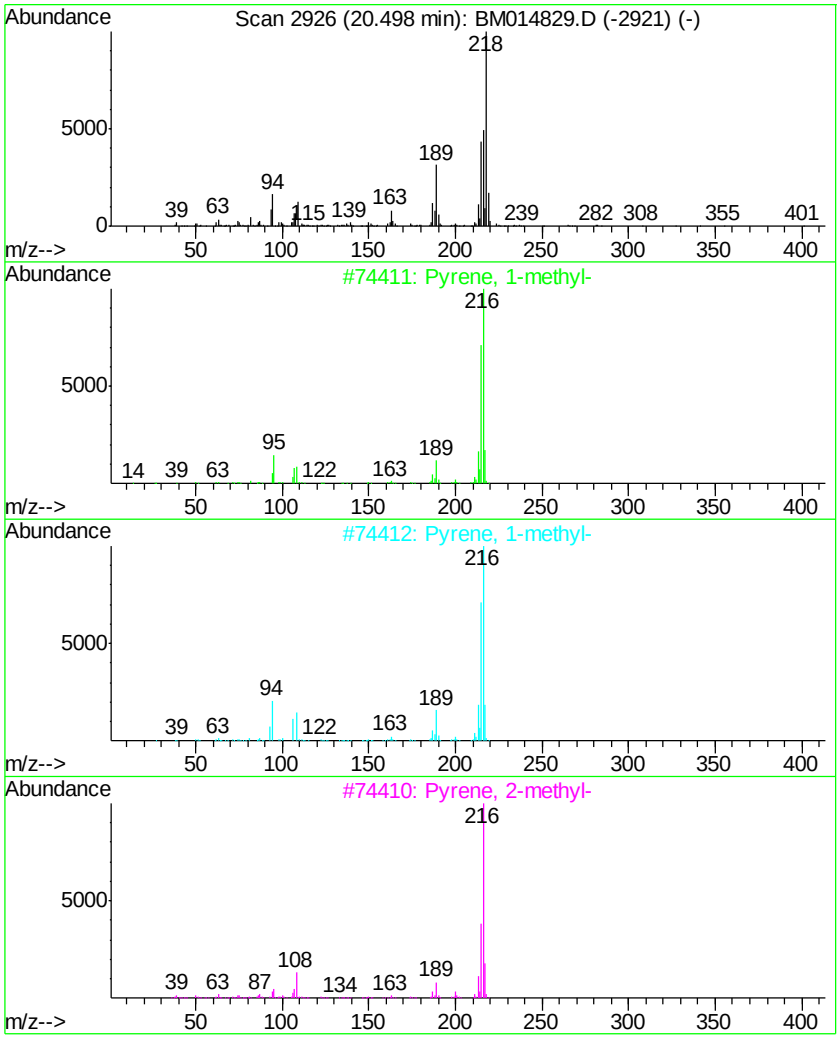
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

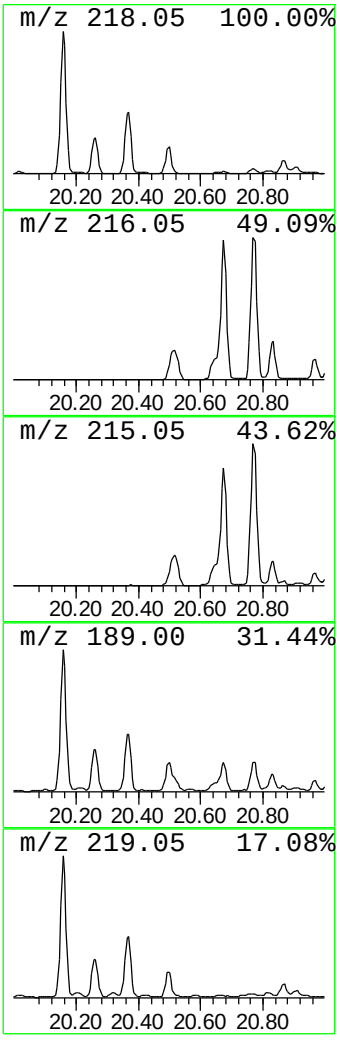
****

Peak Number 51 Pyrene, 1-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.11 ng/ul	1248900	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

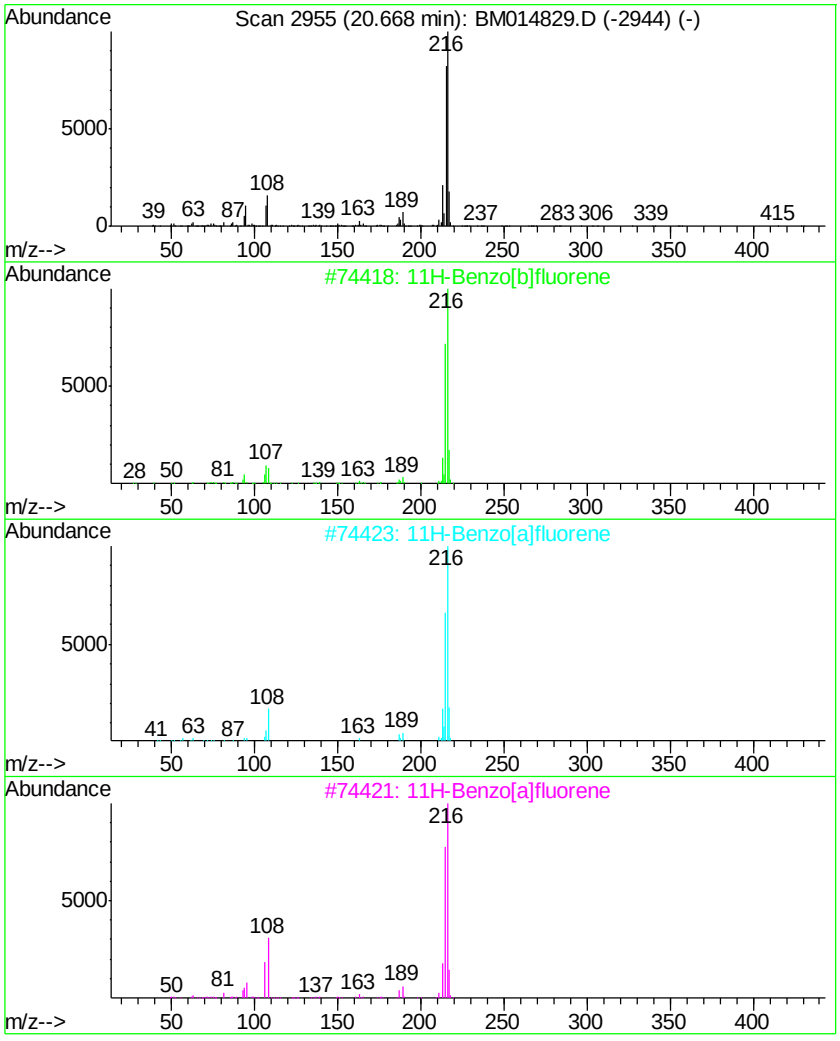
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

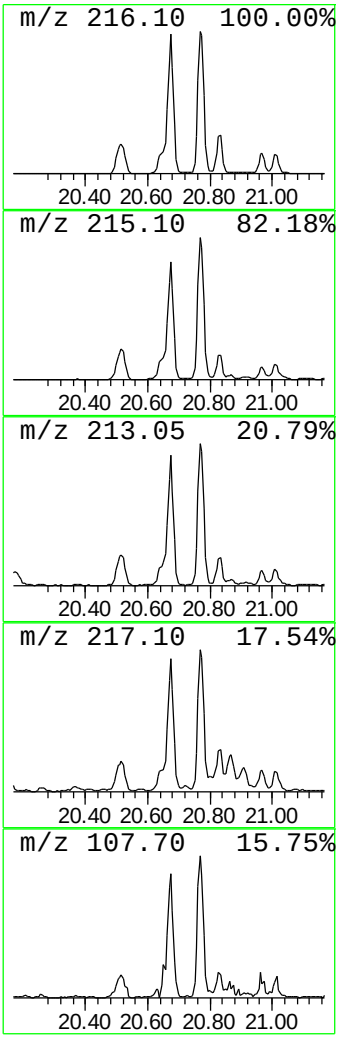
****

Peak Number 52 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	4.79 ng/ul	2838510	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP6DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	7.02	3.6	ng/ul	490130	1	8.52	2738390	20.0
Cyclohexanone, 2,...	7.11	5.6	ng/ul	768580	1	8.52	2738390	20.0
(DEL) Alkane: Str...	7.46	4.1	ng/ul	562061	1	8.52	2738390	20.0
(DEL) Alkane: Str...	7.64	6.9	ng/ul	943637	1	8.52	2738390	20.0
(DEL) Alkane: Str...	8.42	3.4	ng/ul	460618	1	8.52	2738390	20.0
(DEL) Alkane: Str...	8.69	3.6	ng/ul	486773	1	8.52	2738390	20.0
(DEL) Alkane: Cyc...	8.80	3.8	ng/ul	525941	1	8.52	2738390	20.0
(DEL) Alkane: Str...	9.03	5.4	ng/ul	741163	1	8.52	2738390	20.0
(DEL) Alkane: Str...	9.09	6.3	ng/ul	864919	1	8.52	2738390	20.0
(DEL) Alkane: Str...	9.17	7.6	ng/ul	1038640	1	8.52	2738390	20.0
(DEL) Alkane: Str...	9.27	5.2	ng/ul	707950	1	8.52	2738390	20.0
Benzene, 2-ethyl-...	9.64	3.3	ng/ul	453799	1	8.52	2738390	20.0
(DEL) Alkane: Str...	9.74	5.9	ng/ul	812710	1	8.52	2738390	20.0
Benzene, 1-methyl...	9.89	6.2	ng/ul	845103	1	8.52	2738390	20.0
(DEL) Alkane: Str...	10.00	2.3	ng/ul	507313	2	11.37	4490570	20.0
unknown-01	10.16	2.1	ng/ul	482202	2	11.37	4490570	20.0
Benzene, 1-methyl...	10.42	4.3	ng/ul	971823	2	11.37	4490570	20.0
Benzene, 1,4-diet...	10.46	2.9	ng/ul	639510	2	11.37	4490570	20.0
2-(p-Tolyl)ethyla...	10.69	3.7	ng/ul	831066	2	11.37	4490570	20.0
Naphthalene, 1-et...	14.16	3.3	ng/ul	839677	3	15.13	5078130	20.0
Naphthalene, 1,7-...	14.31	8.0	ng/ul	2034070	3	15.13	5078130	20.0
Naphthalene, 1,6-...	14.45	6.5	ng/ul	1654210	3	15.13	5078130	20.0
Naphthalene, 2,3-...	14.68	2.8	ng/ul	708977	3	15.13	5078130	20.0
Naphthalene, 1,3-...	14.85	2.5	ng/ul	625679	3	15.13	5078130	20.0
Naphthalene, 2-(1...	15.32	2.3	ng/ul	577878	3	15.13	5078130	20.0
1-Isopropenylnaph...	15.43	2.8	ng/ul	717748	3	15.13	5078130	20.0
Naphthalene, 2,3,...	15.58	2.4	ng/ul	601739	3	15.13	5078130	20.0
Diphenylmethane	16.32	6.6	ng/ul	1675760	3	15.13	5078130	20.0
[1,1'-Biphenyl]-4...	16.44	8.1	ng/ul	2047770	3	15.13	5078130	20.0
2,4,6-Cycloheptat...	16.59	10.2	ng/ul	2801080	4	17.84	5520360	20.0
Anthracene, 9,10-...	16.94	2.4	ng/ul	667034	4	17.84	5520360	20.0
9H-Fluorene, 1-me...	17.14	6.7	ng/ul	1836680	4	17.84	5520360	20.0
2,2-Dimethyl-1-ac...	17.36	2.4	ng/ul	662658	4	17.84	5520360	20.0
Naphtho[2,1-b]fur...	17.56	3.1	ng/ul	855107	4	17.84	5520360	20.0
Naphtho[2,1-b]thi...	17.66	12.2	ng/ul	3355790	4	17.84	5520360	20.0
Phenanthrene, 2-m...	18.69	9.0	ng/ul	2472110	4	17.84	5520360	20.0
4H-Cyclopenta[def...	18.89	25.1	ng/ul	6915790	4	17.84	5520360	20.0
Naphthalene, 2-ph...	19.17	6.6	ng/ul	1817590	4	17.84	5520360	20.0
Phenanthrene, 2,5...	19.57	2.4	ng/ul	660709	4	17.84	5520360	20.0
9,10-di(Chloromet...	19.64	2.0	ng/ul	564364	4	17.84	5520360	20.0
Pyrene, 1-methyl-	20.50	2.1	ng/ul	1248900	5	21.92	11851300	20.0
11H-Benzo[b]fluorene	20.67	4.8	ng/ul	2838510	5	21.92	11851300	20.0