LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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	7.640	734	740	746	rBV2	240992	446008	1.07%	0.144%
2	8.475	877	882	885	rVV	522891	758086	1.82%	0.244%
3	8.522	885	890	896	rVB	1766472	2799660	6.72%	0.902%
4	9.739	1093	1097	1103	rVB2	286448	480017	1.15%	0.155%
5	9.998	1129	1141	1149	rVB3	174154	491170	1.18%	0.158%
6	10.428	1202	1214	1218	rBV4	216133	582602	1.40%	0.188%
7	11.369	1367	1374	1380	rBV	2673638	4577414	10.99%	1.476%
8	11.486	1388	1394	1401	rVB2	310941	553004	1.33%	0.178%
9	14.310	1865	1874	1880	rVB2	306263	782472	1.88%	0.252%
10	14.451	1892	1898	1902	rBV	360278	598265	1.44%	0.193%
11	14.510	1902	1908	1912	rVV2	369321	633110	1.52%	0.204%
12	14.569	1912	1918	1923	rVB4	231107	435383	1.05%	0.140%
13	14.827	1955	1962	1965	rBV	272166	538527	1.29%	0.174%
14	15.086	1996	2006	2008	rBV	336040	556259	1.34%	0.179%
15	15.127	2008	2013	2019	rVV2	3848907	6008490	14.43%	1.937%
16	15.186	2019	2023	2029	rVB2	837698	1323370	3.18%	0.427%
17	15.316	2040	2045	2054	rVB	278433	655618	1.57%	0.211%
18	15.427	2054	2064	2068	rBV2	235783	535655	1.29%	0.173%
19	15.510	2072	2078	2084	rVV2	1000468	1746338	4.19%	0.563%
20	15.580	2084	2090	2099	rVV	497186	764975	1.84%	0.247%
21	15.721	2108	2114	2119	rBV	302951	526297	1.26%	0.170%
22	15.774	2119	2123	2128	rVB	340936	457941	1.10%	0.148%
23	15.892	2135	2143	2146	rBV3	253421	574963	1.38%	0.185%
24	16.104	2175	2179	2182	rBV	364350	488833	1.17%	0.158%
25	16.157	2182	2188	2194	rVB	2627446	3863681	9.28%	1.245%
26	16.245	2199	2203	2206	rBV	300839	470902	1.13%	0.152%
27	16.316	2211	2215	2220	rVB2	1114622	1622949	3.90%	0.523%
28	16.404	2226	2230	2233	rBV	501882	780111	1.87%	0.251%
29	16.439	2233	2236	2243	rVB	1531184	2208046	5.30%	0.712%
30	16.586	2255	2261	2269	rBV	1639913	3103138	7.45%	1.000%
31	16.786	2287	2295	2309	rVB3	334337	801346	1.92%	0.258%
32	16.939	2316	2321	2326	rVB2	287058	422375	1.01%	0.136%
33	17.145	2344	2356	2360	rBV2	1247163	2422182	5.82%	0.781%
34	17.192	2360	2364	2369	rVB2	378453	592056	1.42%	0.191%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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	17.292	2375	2381	2385	rVB3	447035	847482	2.03%	0.273%
36	17.363	2385	2393	2396	rBV3	527535	1093889	2.63%	0.353%
37	17.404	2396	2400	2404	rVV3	381685	526750	1.26%	0.170%
38	17.563	2421	2427	2432	rBV2	543504	1142385	2.74%	0.368%
39	17.663	2438	2444	2461	rVB	1969569	3335541	8.01%	1.075%
40	17.839	2467	2474	2477	rBV	4618620	7136649	17.13%	2.301%
41	17.886	2477	2482	2488	rVV	25629608	39404436	94.61%	12.702%
42	17.974	2492	2497	2503	rVB	6359429	8814668	21.16%	2.841%
43	18.251	2536	2544	2555	rVB5	199051	696085	1.67%	0.224%
44	18.339	2555	2559	2565	rBV	641219	890442	2.14%	0.287%
45	18.410	2566	2571	2580	rVB3	368691	670276	1.61%	0.216%
46	18.545	2590	2594	2602	rVB	299702	570673	1.37%	0.184%
47	18.698	2614	2620	2624	rBV	2772038	4041883	9.70%	1.303%
48	18.745	2624	2628	2633	rVB	3541572	4794099	11.51%	1.545%
49	18.821	2634	2641	2646	rBV	1286429	1893061	4.55%	0.610%
50	18.892	2646	2653	2666	rVB2	6051157	11660345	28.00%	3.759%
51	19.174	2695	2701	2706	rBV	2559245	3447515	8.28%	1.111%
52	19.415	2737	2742	2746	rBV	418791	560161	1.34%	0.181%
53	19.462	2746	2750	2753	rBV	411552	480341	1.15%	0.155%
54	19.580	2764	2770	2774	rBV	707690	1230814	2.96%	0.397%
55	19.645	2775	2781	2789	rVB4	541008	1411655	3.39%	0.455%
56	19.715	2789	2793	2796	rBV	268787	431552	1.04%	0.139%
57	19.851	2808	2816	2821	rBV2	28302796	41649989	100.00%	13.426%
58	20.086	2850	2856	2864	rVB	886000	1435043	3.45%	0.463%
59	20.168	2864	2870	2872	rBV2	4985942	7831129	18.80%	2.524%
60	20.209	2872	2877	2883	rVV	18971077	28999188	69.63%	9.348%
61	20.262	2883	2886	2894	rVB2	935850	1300182	3.12%	0.419%
62	20.368	2899	2904	2909	rVB	1367623	1769045	4.25%	0.570%
63	20.503	2921	2927	2934	rBV3	1102236	2574764	6.18%	0.830%
64	20.674	2944	2956	2961	rBV	3639470	6021872	14.46%	1.941%
65	20.774	2967	2973	2977	rBV	4199589	5679566	13.64%	1.831%
66	20.833	2977	2983	2986	rVV2	1167241	2001996	4.81%	0.645%
67	20.868	2986	2989	2992	rVB2	444169	492610	1.18%	0.159%
68	20.903	2992	2995	3000	rVB4	313766	463883	1.11%	0.150%
69	20.968	3002	3006	3009	rBV2	528059	664389	1.60%	0.214%
70	21.015	3010	3014	3016	rBV3	445434	542417	1.30%	0.175%
71	21.186	3039	3043	3046	rBV2	460477	621060	1.49%	0.200%

LSC Area Percent Report

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Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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	21.356	3068	3072	3077	rBV	892509	1277487	3.07%	0.412%
73	21.568	3104	3108	3111	rBV	1171711	1579249	3.79%	0.509%
74	21.603	3111	3114	3118	rVV	1297413	1664031	4.00%	0.536%
75	21.645	3118	3121	3125	rVV2	1095084	1655308	3.97%	0.534%
76	21.680	3125	3127	3136	rVB3	354868	525460	1.26%	0.169%
77	21.786	3141	3145	3158	rBV	5594911	7273677	17.46%	2.345%
78	21.915	3160	3167	3172	rVV2	9349783	20879640	50.13%	6.731%
79	21.962	3172	3175	3185	rVB	6198011	8629767	20.72%	2.782%
80	22.092	3193	3197	3202	rBV	1236127	1713782	4.11%	0.552%
81	22.256	3221	3225	3231	rBV	527833	842740	2.02%	0.272%
82	22.515	3266	3269	3273	rVB	624737	850290	2.04%	0.274%
83	22.692	3295	3299	3303	rVB2	399372	533222	1.28%	0.172%
84	22.745	3304	3308	3311	rBV4	430041	774728	1.86%	0.250%
85	22.839	3321	3324	3330	rVB2	352073	550107	1.32%	0.177%
86	23.656	3456	3463	3468	rBV	2496218	6497444	15.60%	2.094%
87	23.844	3491	3495	3501	rBV	437667	701215	1.68%	0.226%
88	24.197	3549	3555	3561	rBV	1203511	2531321	6.08%	0.816%
89	24.303	3567	3573	3581	rVB	1981140	3820441	9.17%	1.232%
90	24.415	3585	3592	3598	rBV	3501243	7188689	17.26%	2.317%

Sum of corrected areas: 310217676

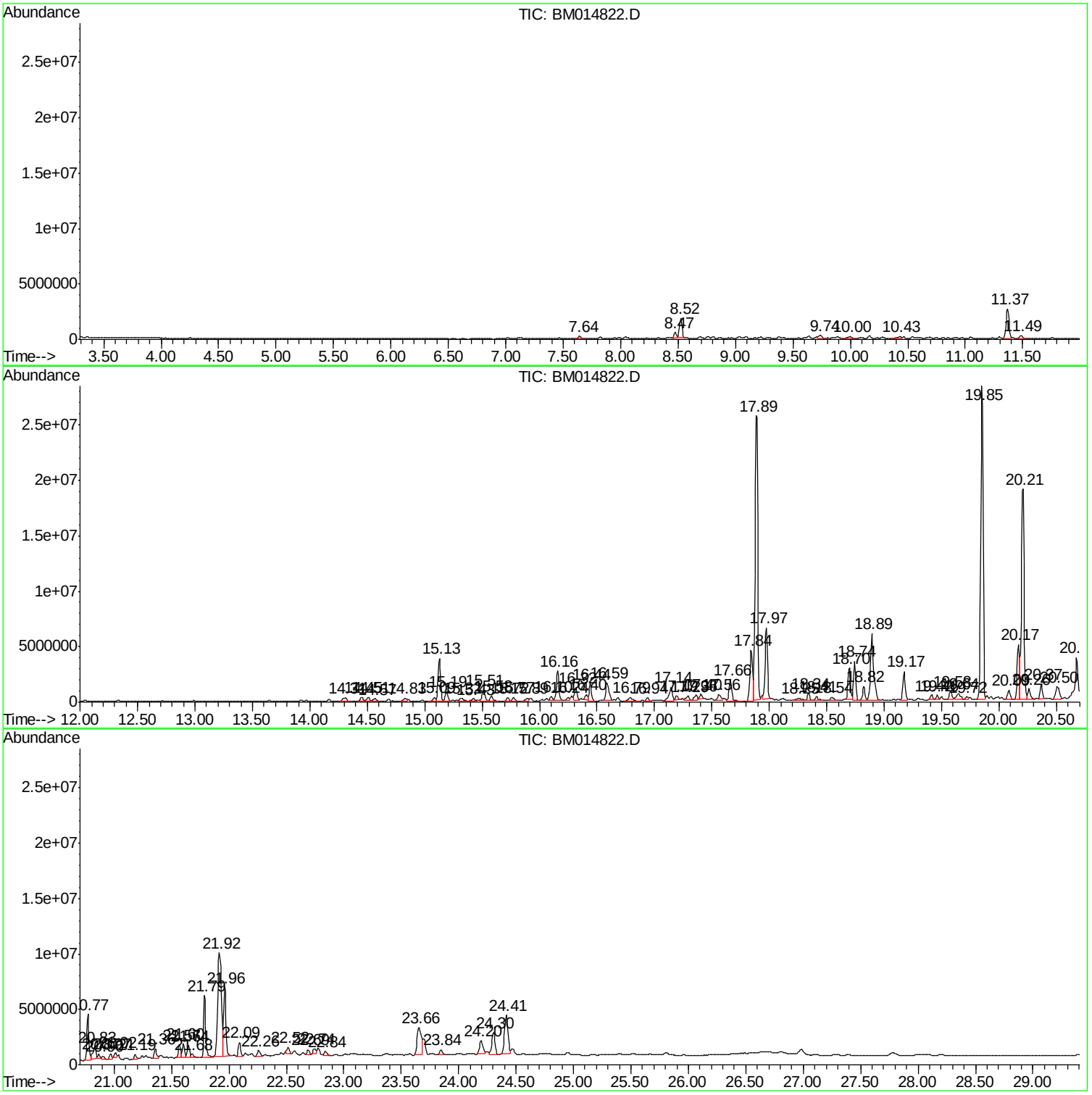
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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

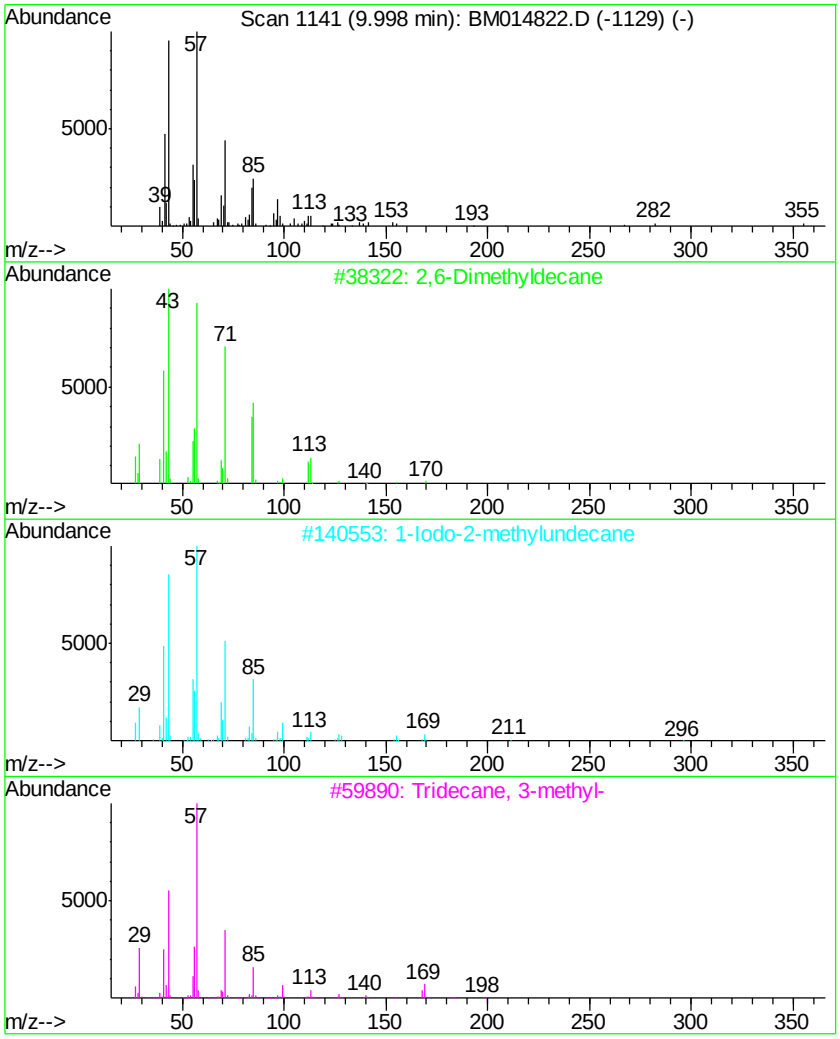
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

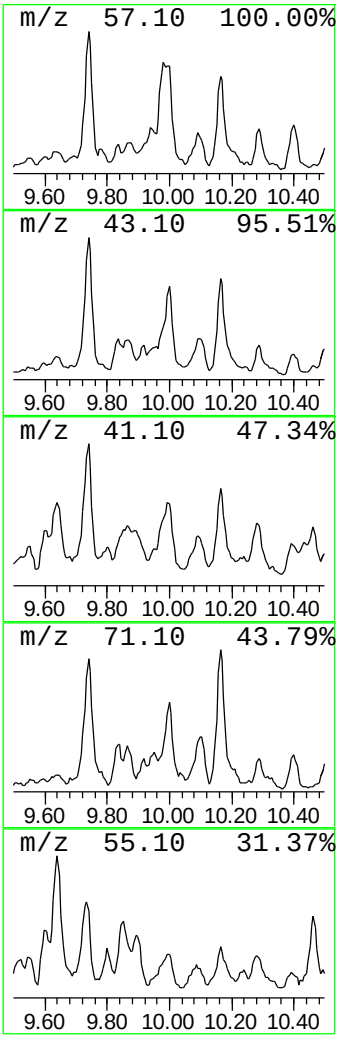
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	2.15 ng/ul	491170	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyldecane	170	C12H26	013150-81-7	64
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	59
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	59
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53
5	Tridecane	184	C13H28	000629-50-5	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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

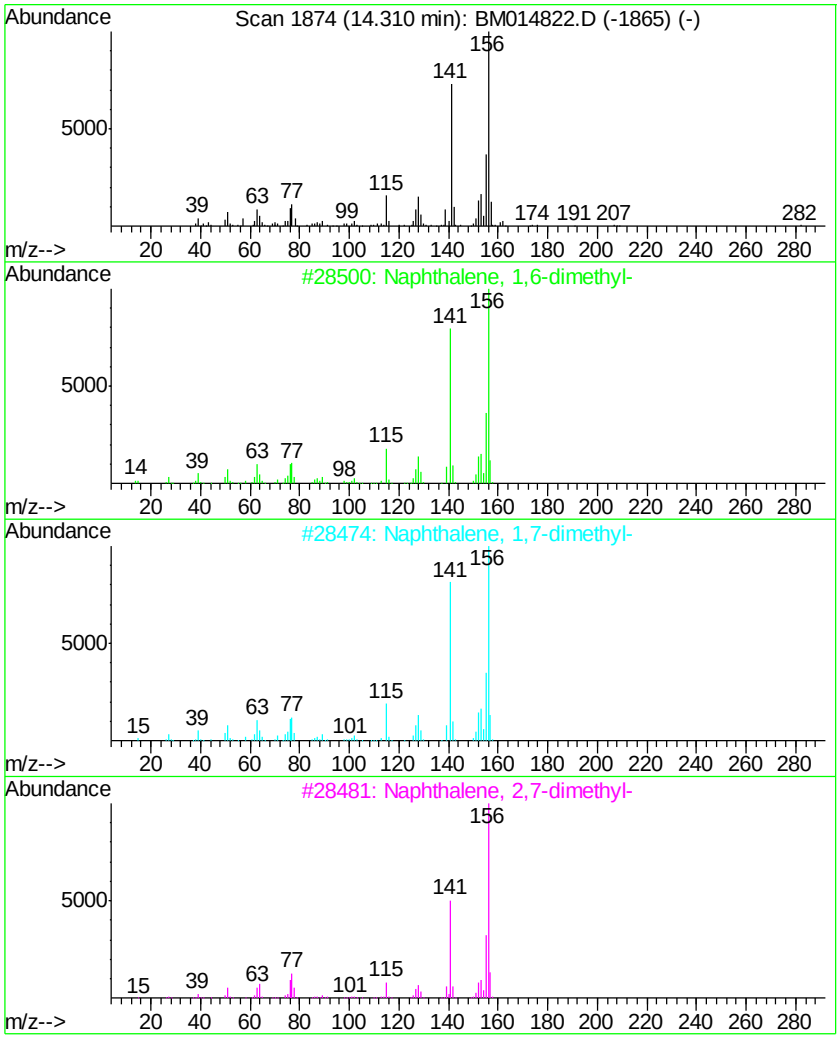
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

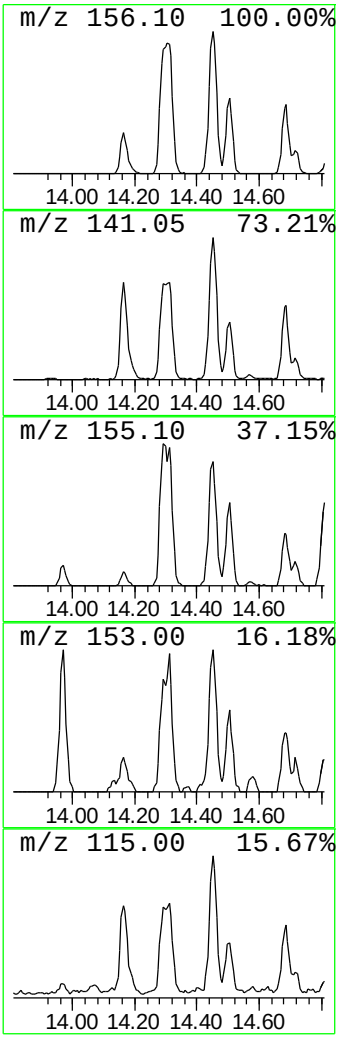
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	2.60 ng/ul	782472	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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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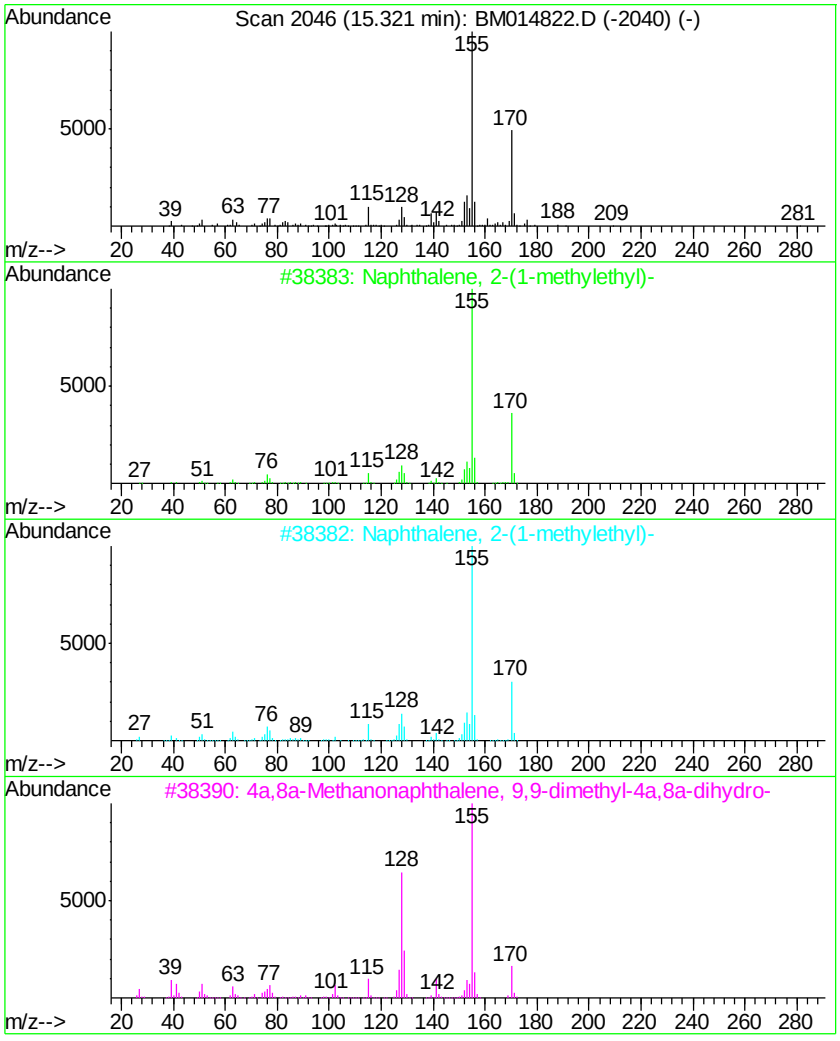
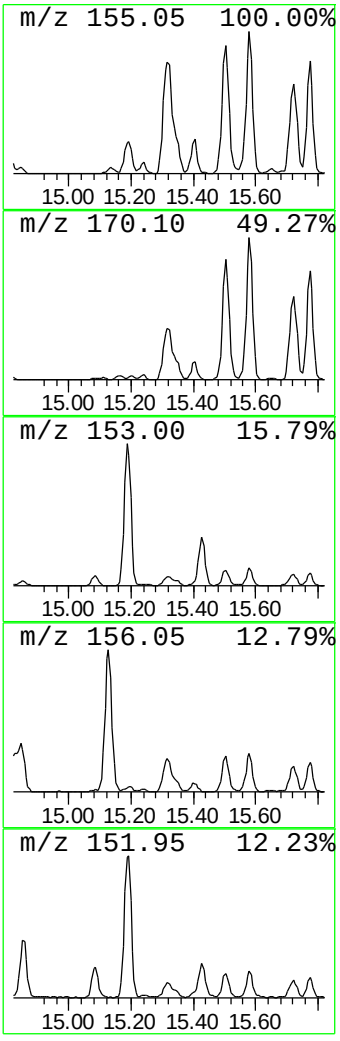
Peak Number 3 Naphthalene, 2-(1-methyleth... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.18 ng/ul	655618	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	91
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76
5	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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

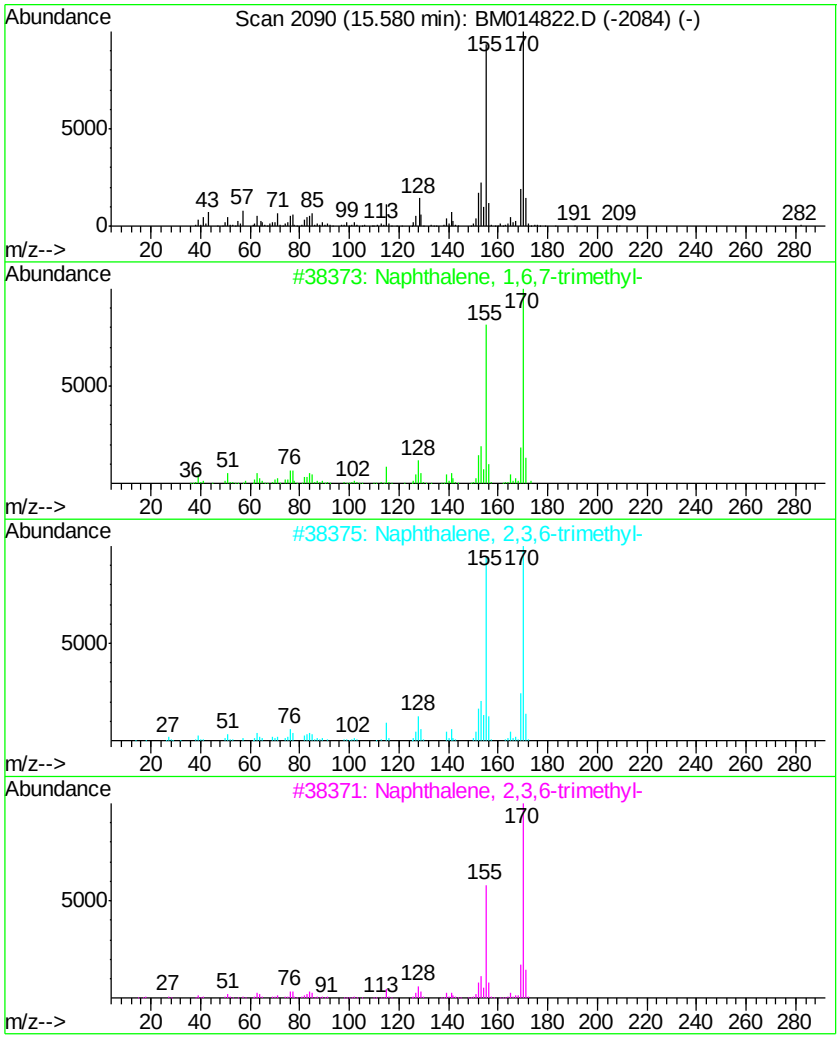
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

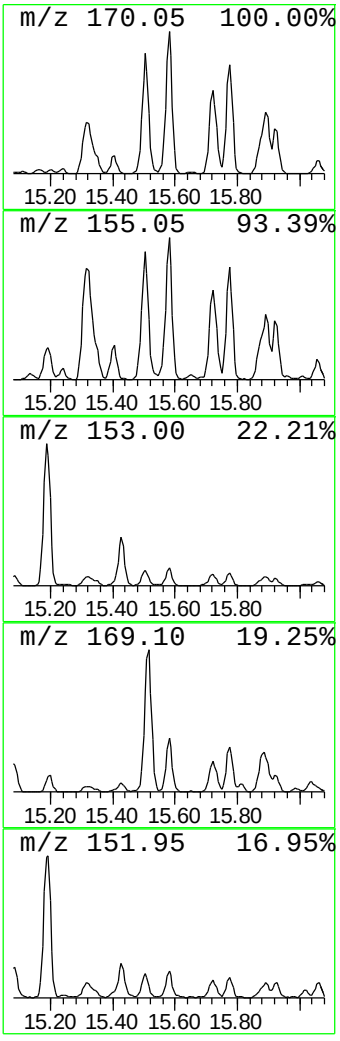
****

Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.55 ng/ul	764975	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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

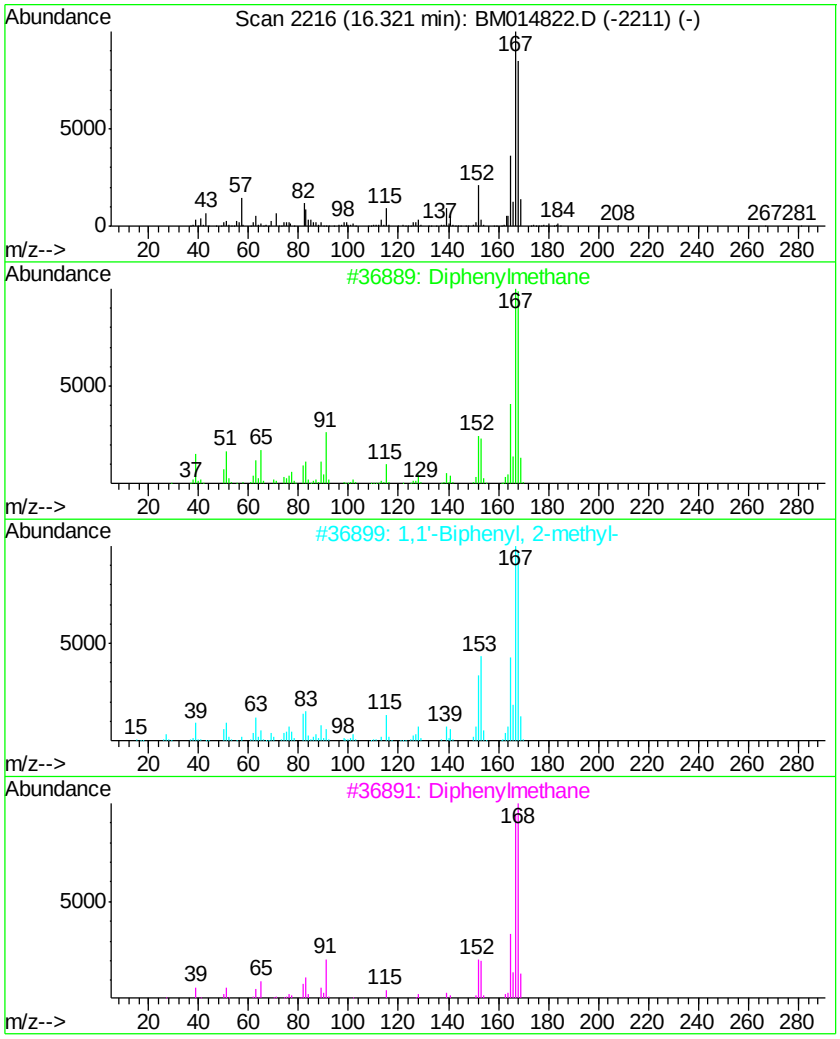
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

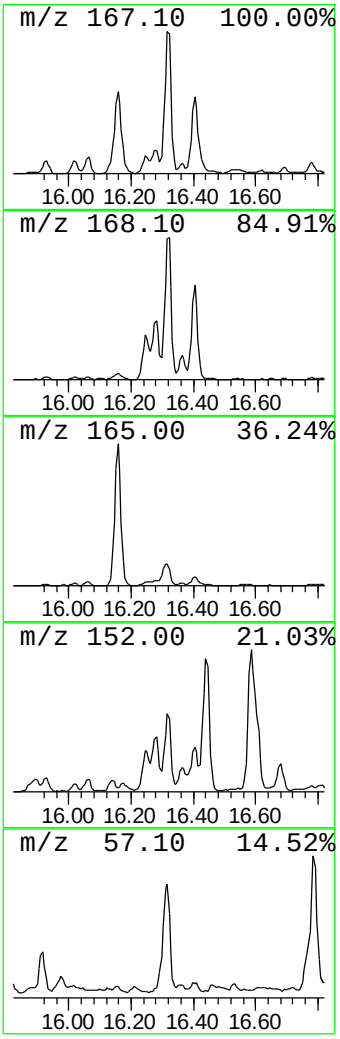
****

Peak Number 5 Diphenylmethane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	5.40 ng/ul	1622950	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
3	Diphenylmethane	168	C13H12	000101-81-5	68
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

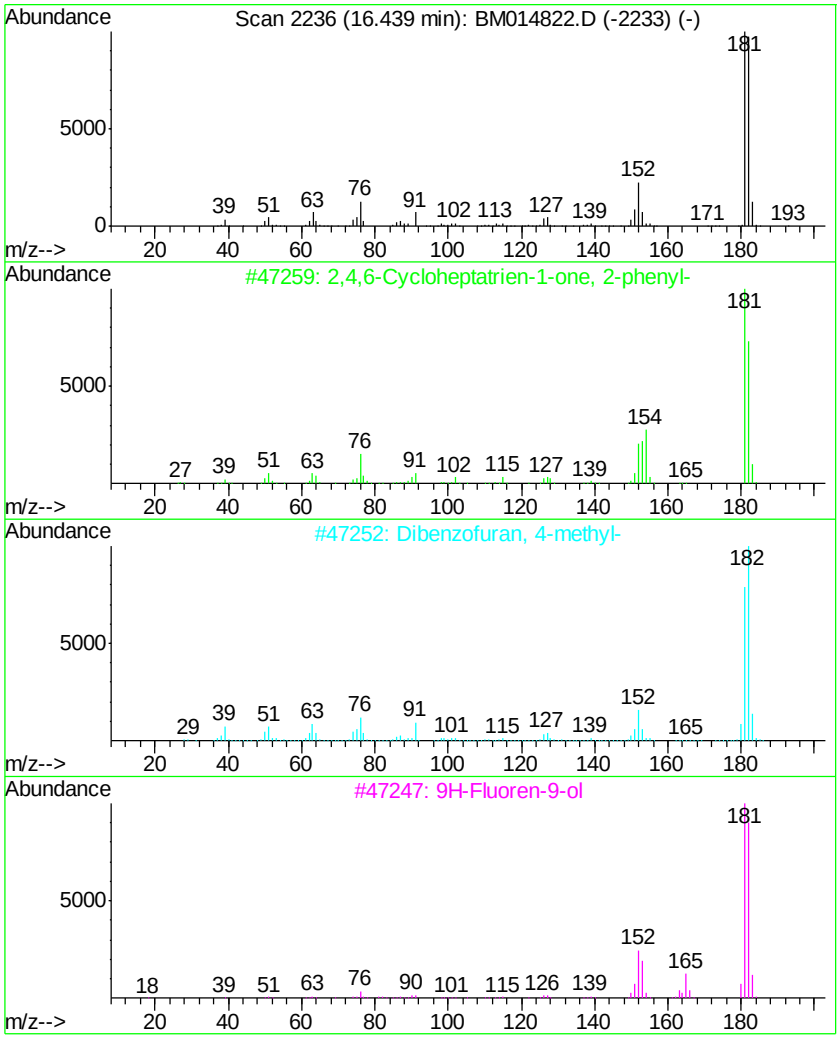
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

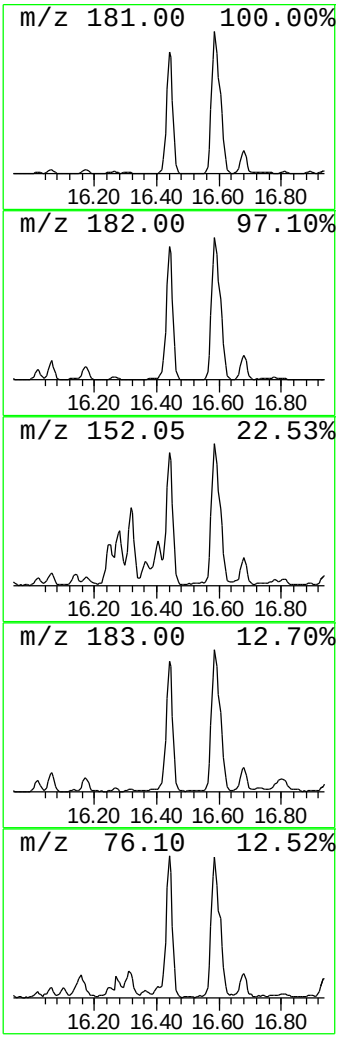
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2,4,6-Cycloheptatrien-1-one... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	7.35 ng/ul	2208050	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64
5	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64





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Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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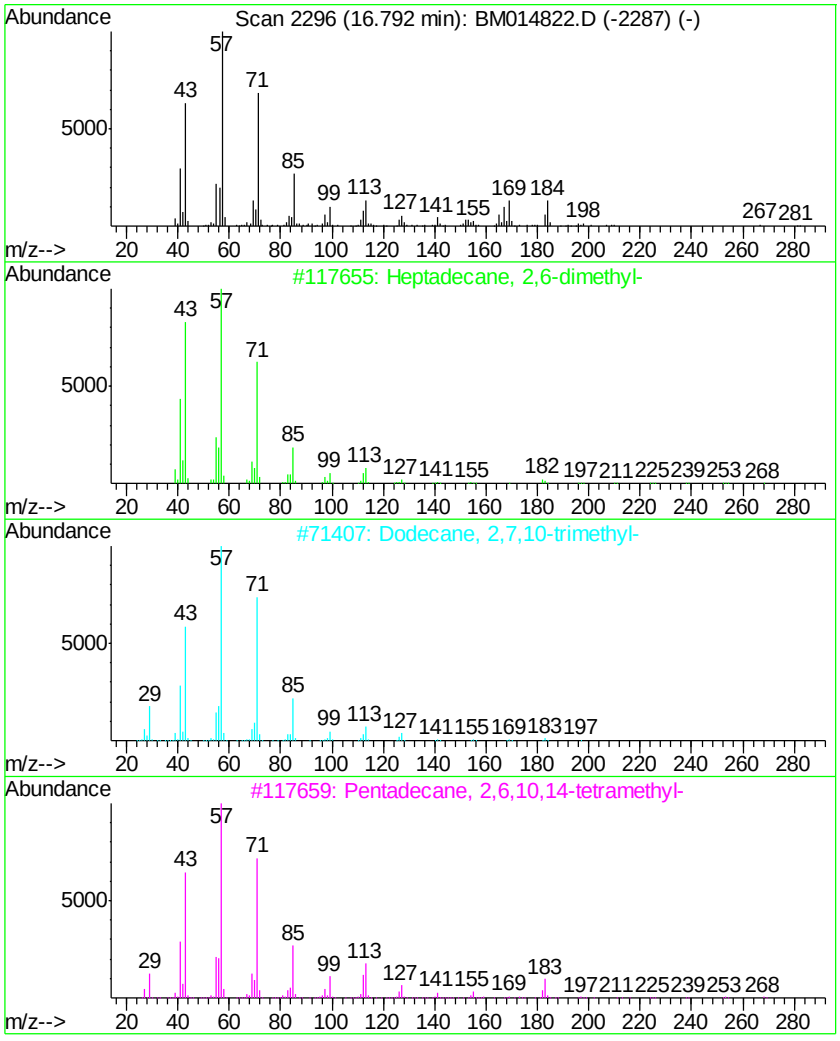
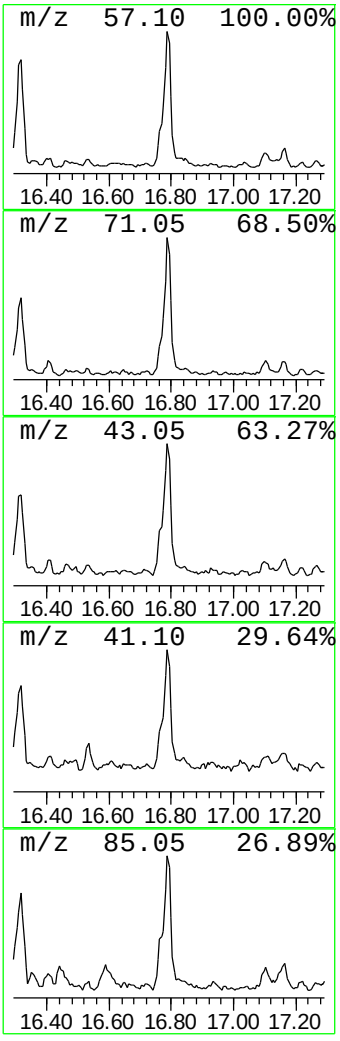
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	2.25 ng/ul	801346	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
4	Decane, 2-methyl-	156	C11H24	006975-98-0	81
5	Decane, 2-methyl-	156	C11H24	006975-98-0	81





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Sample : J2431-12DL 10X
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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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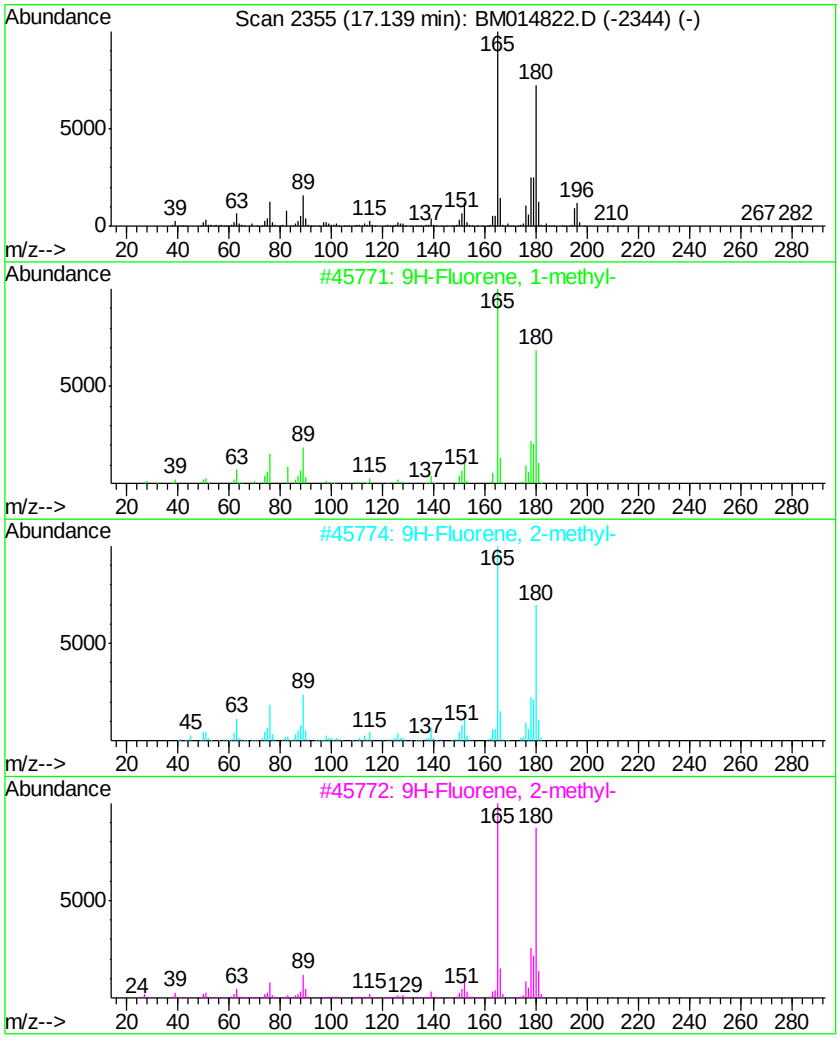
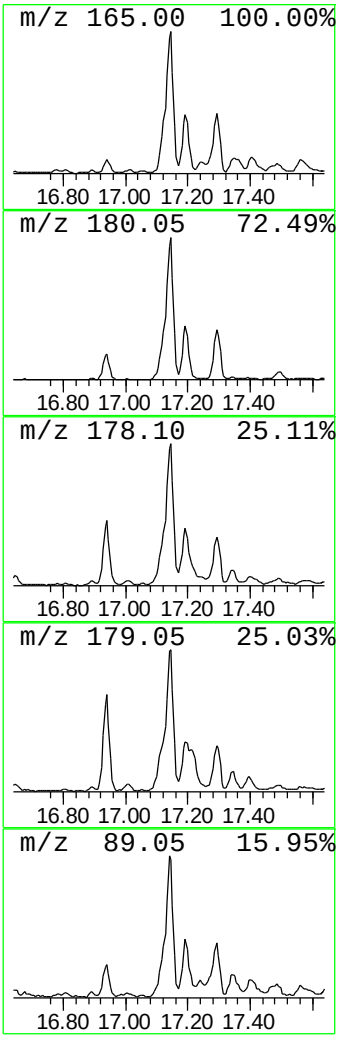
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	6.79 ng/ul	2422180	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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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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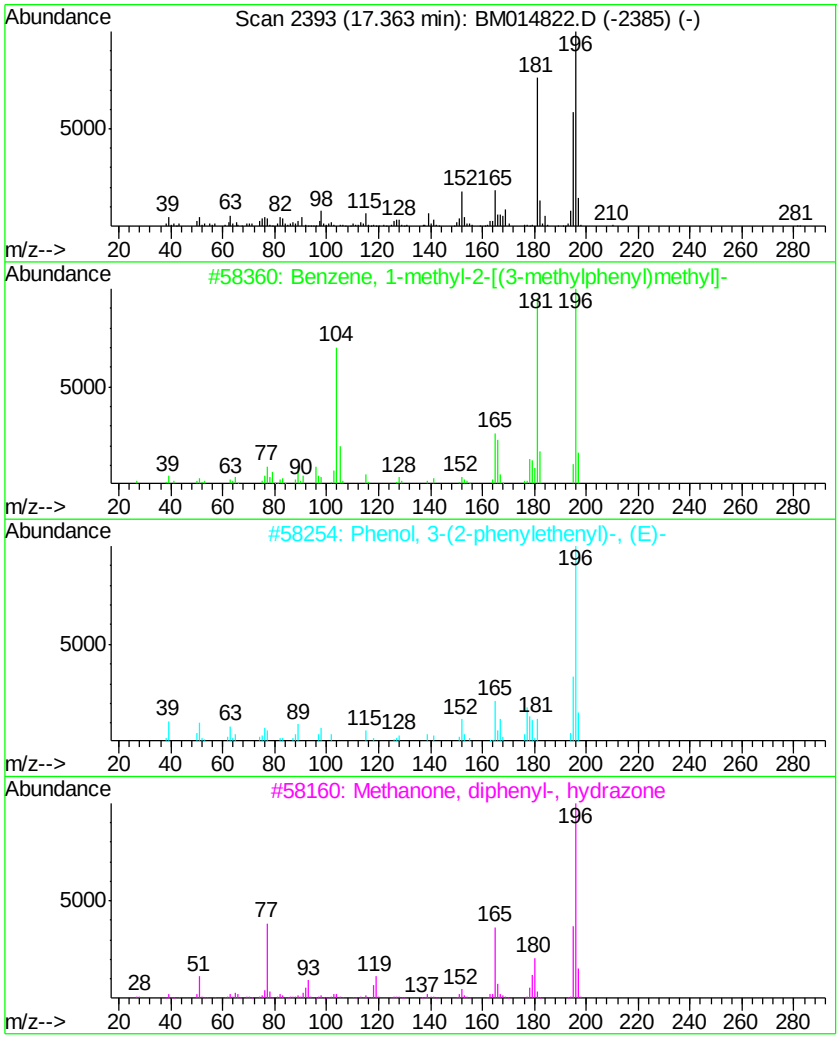
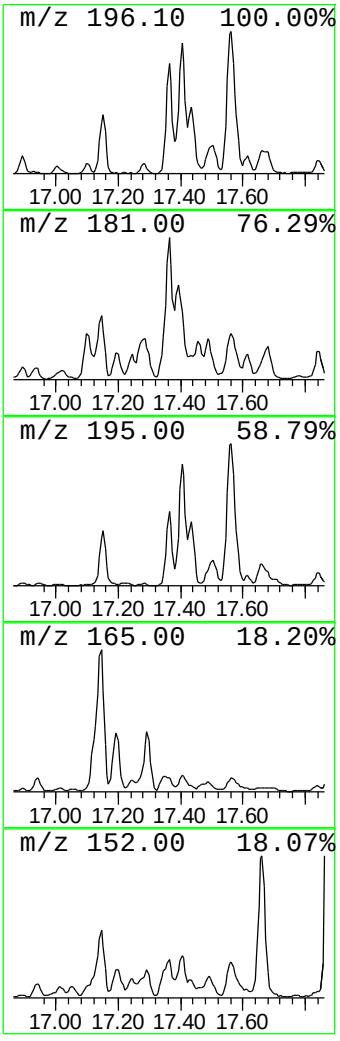
Peak Number 12 Benzene, 1-methyl-2-[(3-met... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	3.07 ng/ul	1093890	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	64
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
4	Phenazine, 5-oxide	196	C12H8N2O	000304-81-4	38
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	35





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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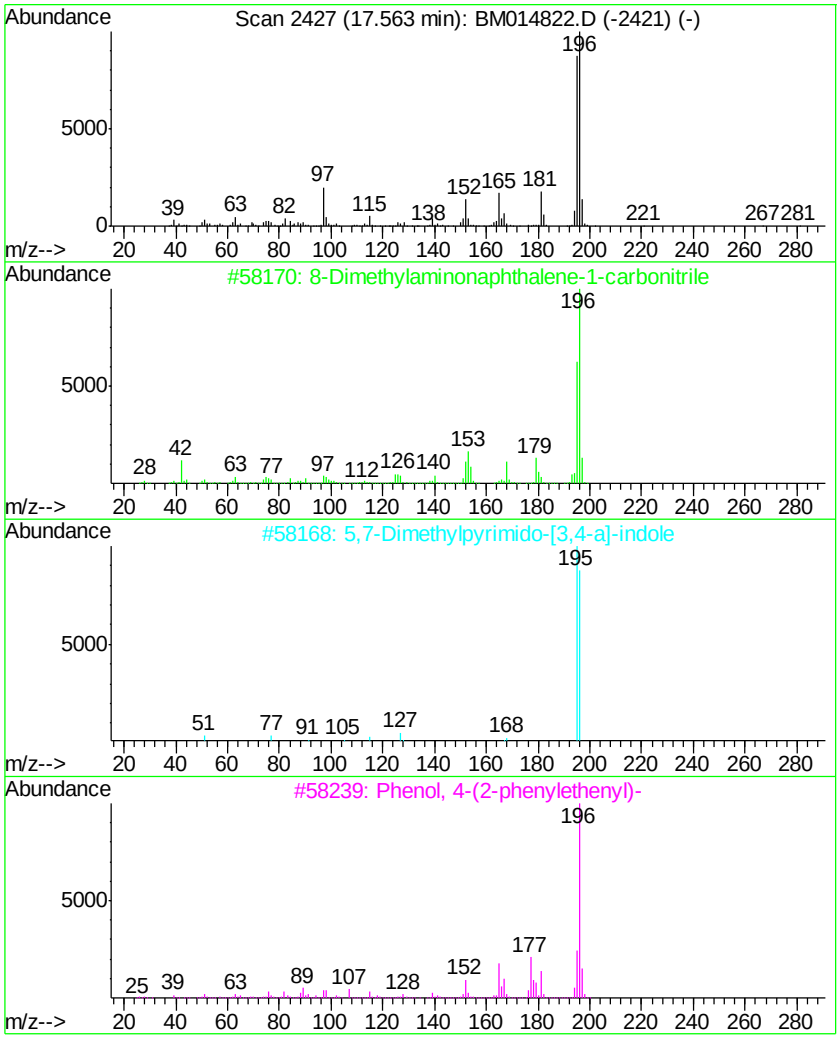
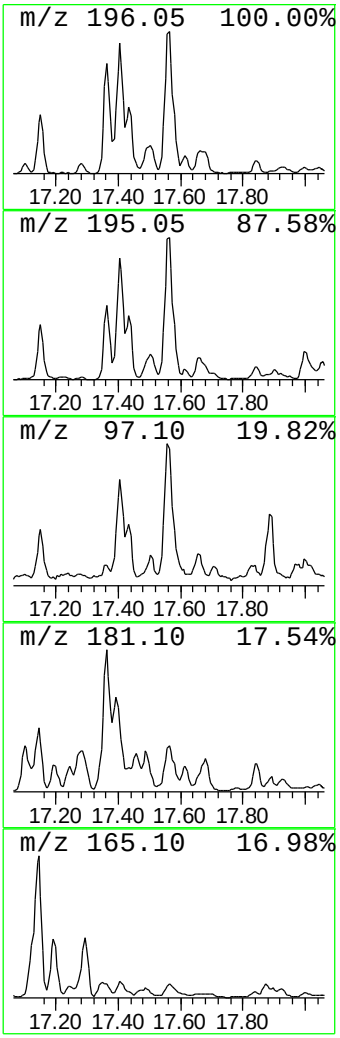
Peak Number 13 8-Dimethylaminonaphthalene-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	3.20 ng/ul	1142390	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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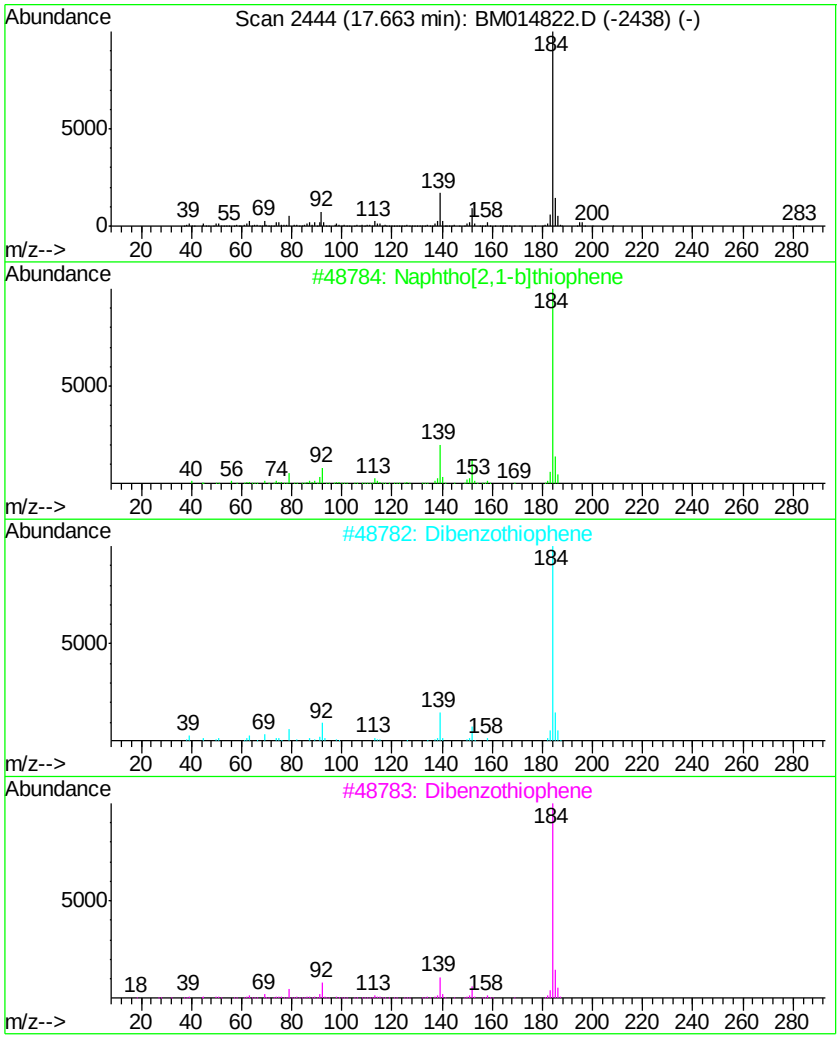
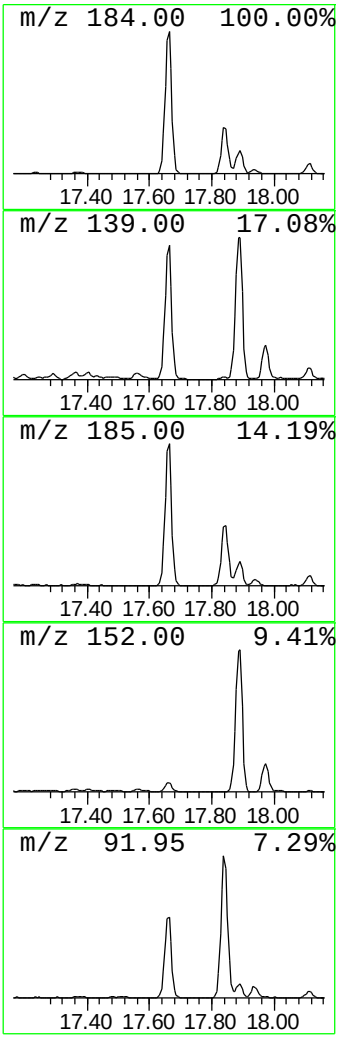
Peak Number 14 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	9.35 ng/ul	3335540	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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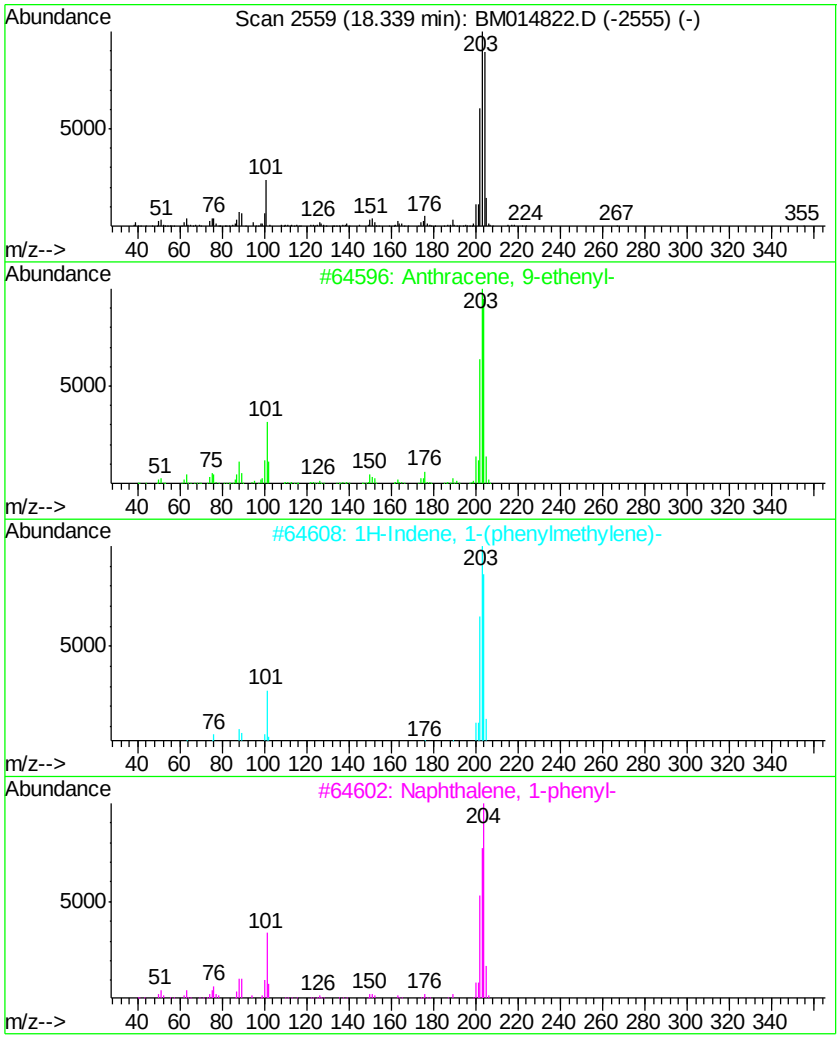
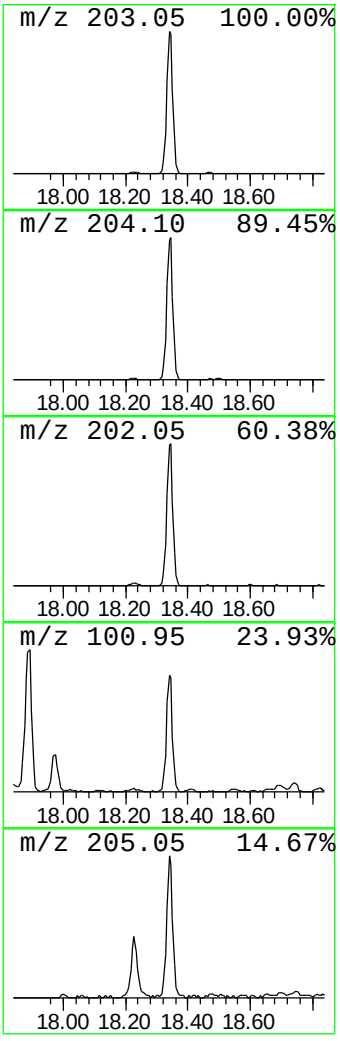
Peak Number 15 Anthracene, 9-ethenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.50 ng/ul	890442	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	93
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89





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Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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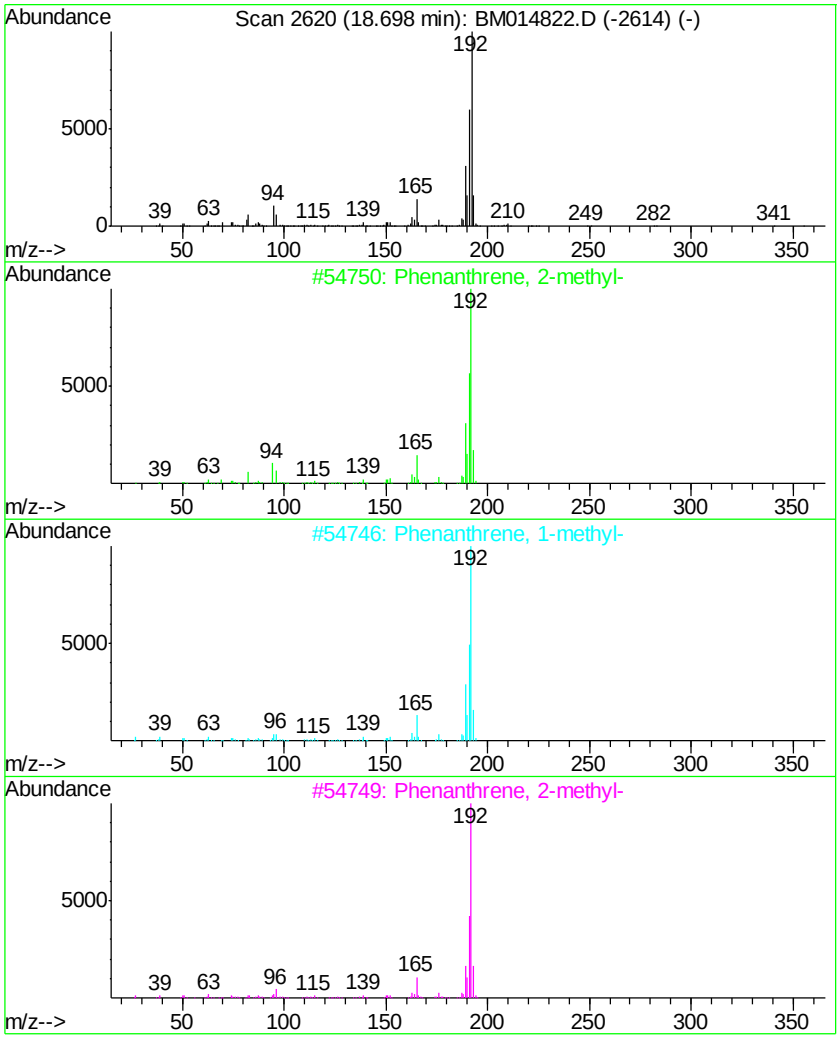
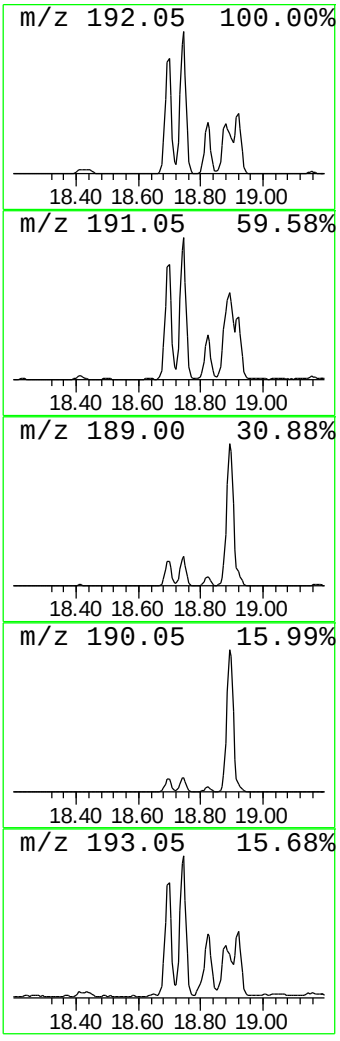
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	11.33 ng/ul	4041880	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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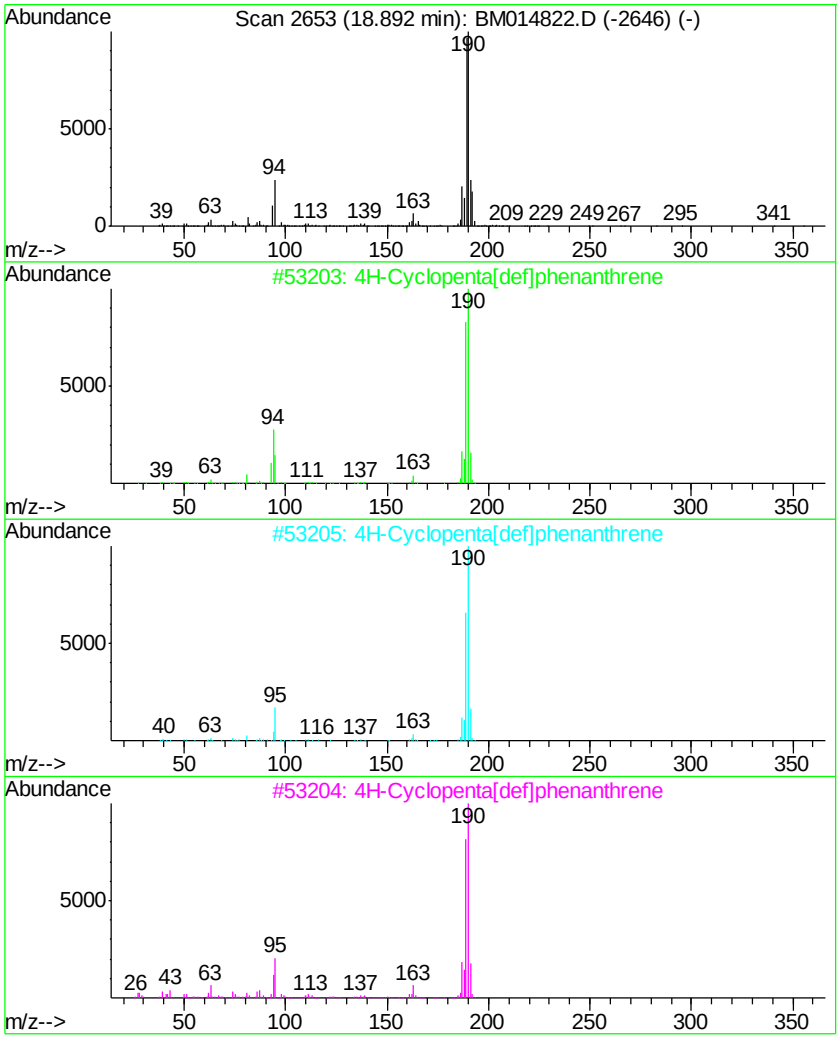
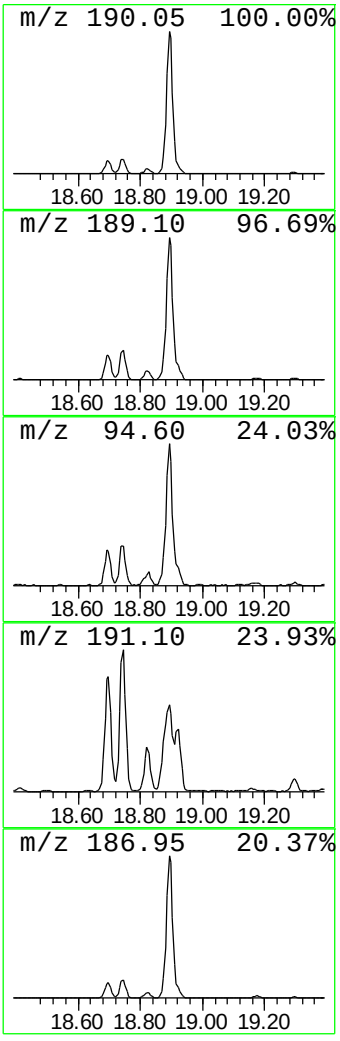
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	32.68 ng/ul	11660300	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	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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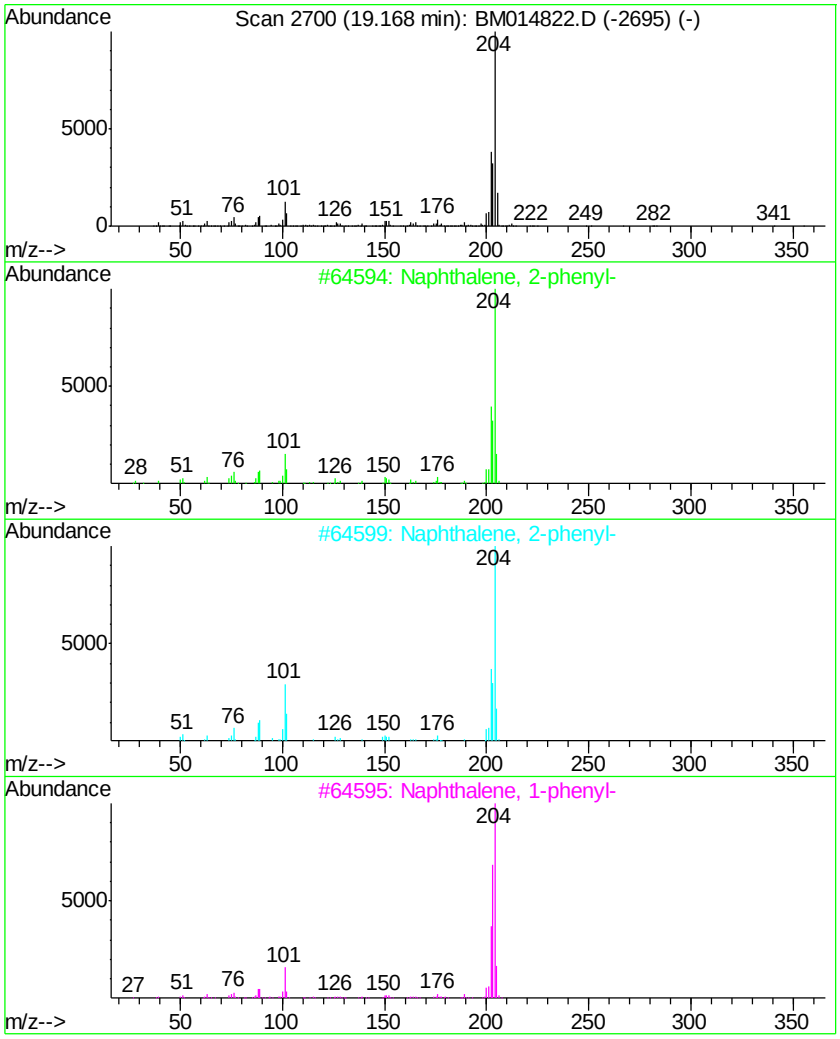
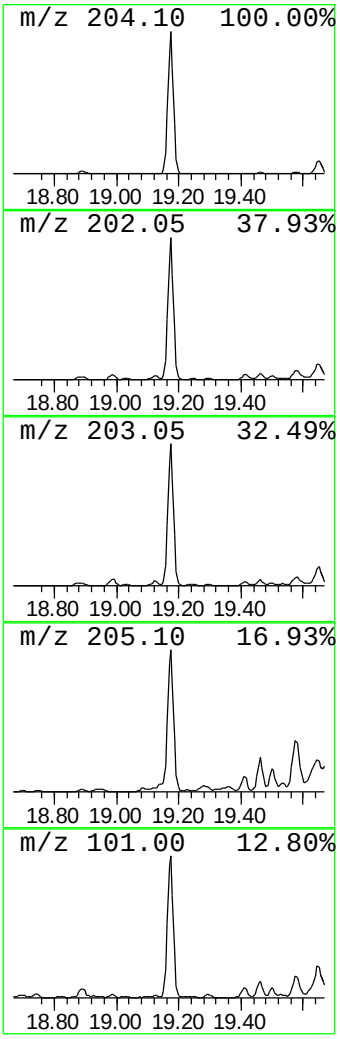
Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	9.66 ng/ul	3447520	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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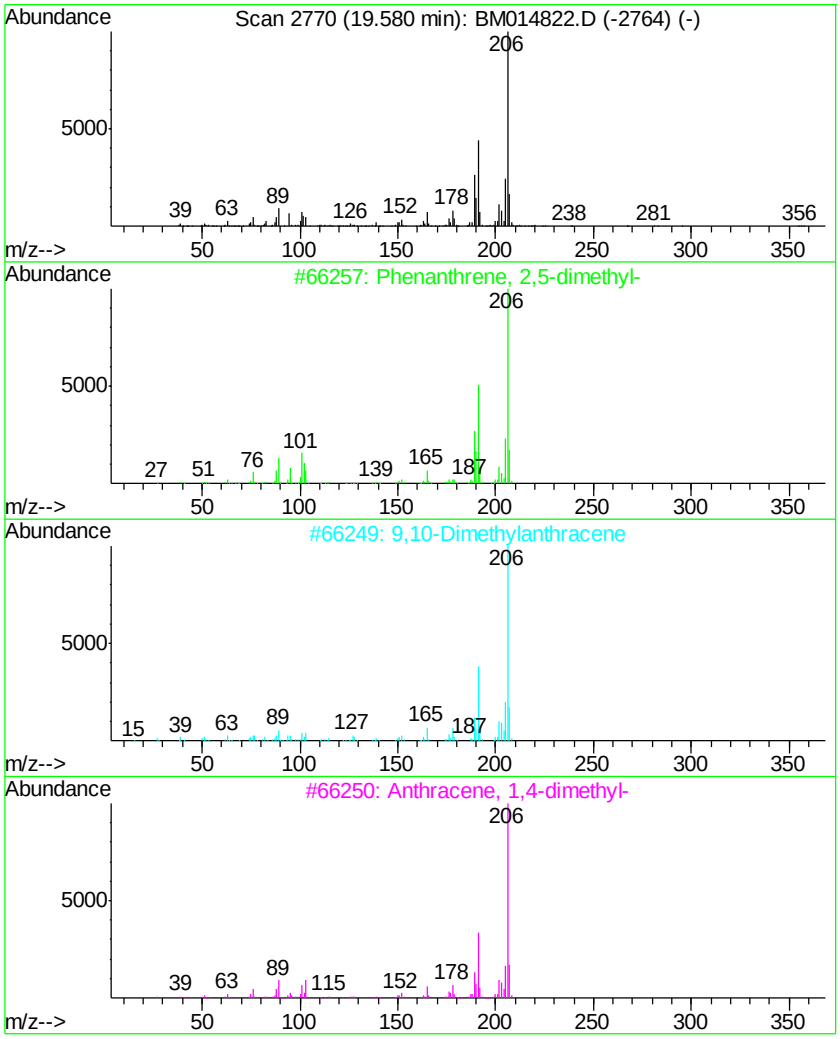
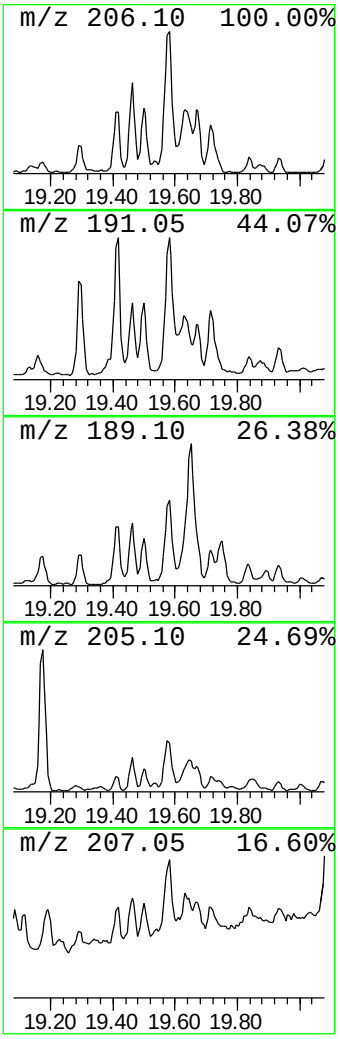
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	3.45 ng/ul	1230810	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





Library Search Compound Report

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Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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Quant Title : SVOA CALIBRATION

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

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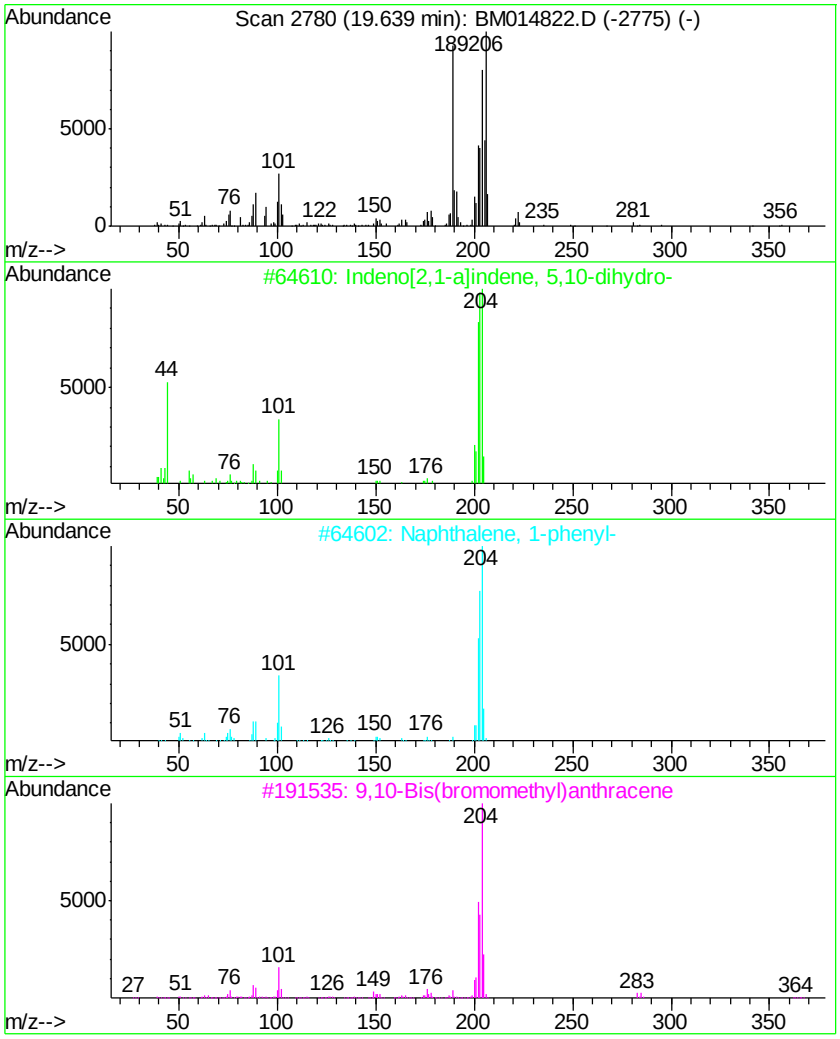
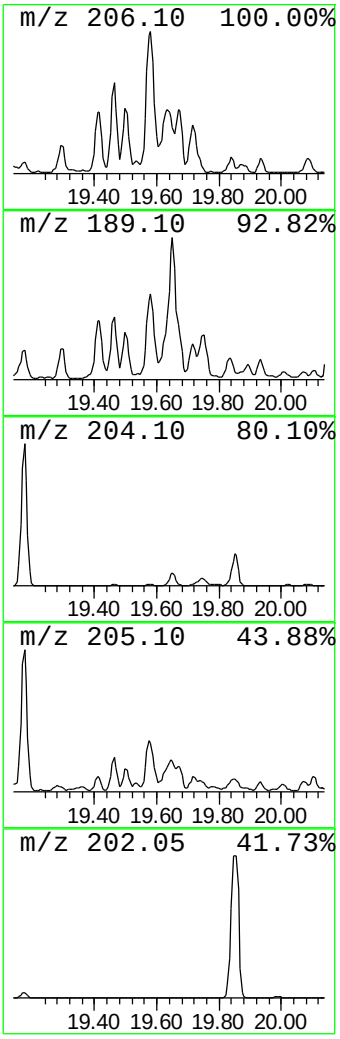
Peak Number 22 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	3.96 ng/ul	1411660	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	55
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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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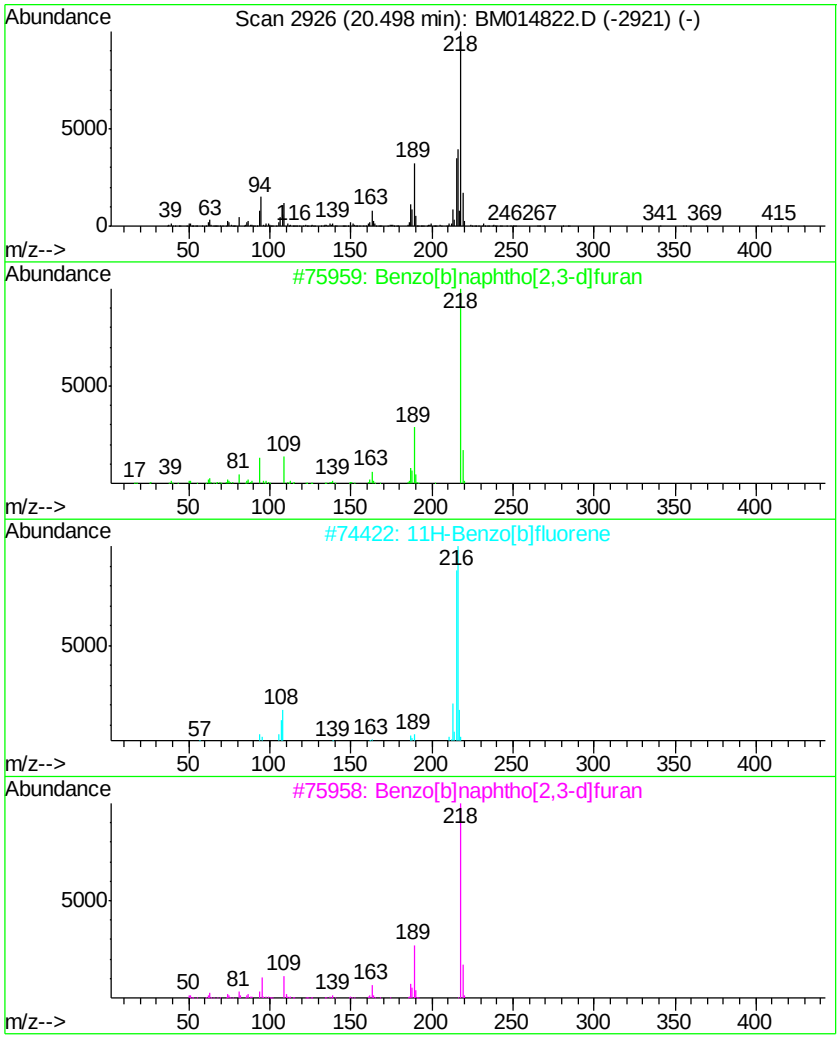
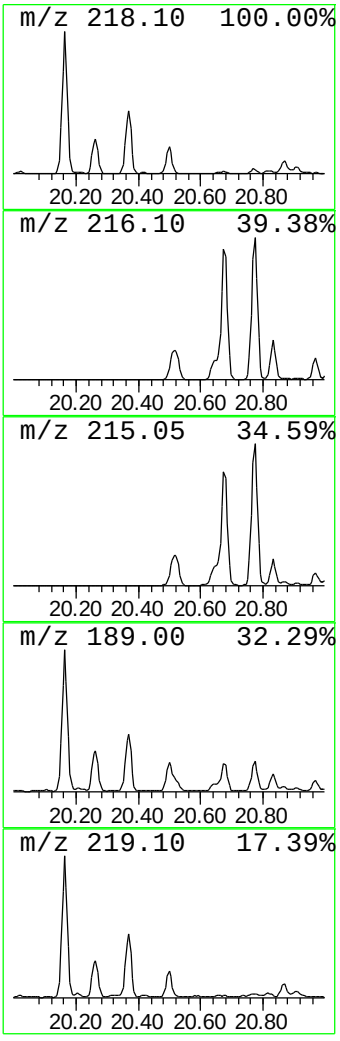
Peak Number 23 Benzo[b]naphtho[2,3-d]furan Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.47 ng/ul	2574760	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	78
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	74
5	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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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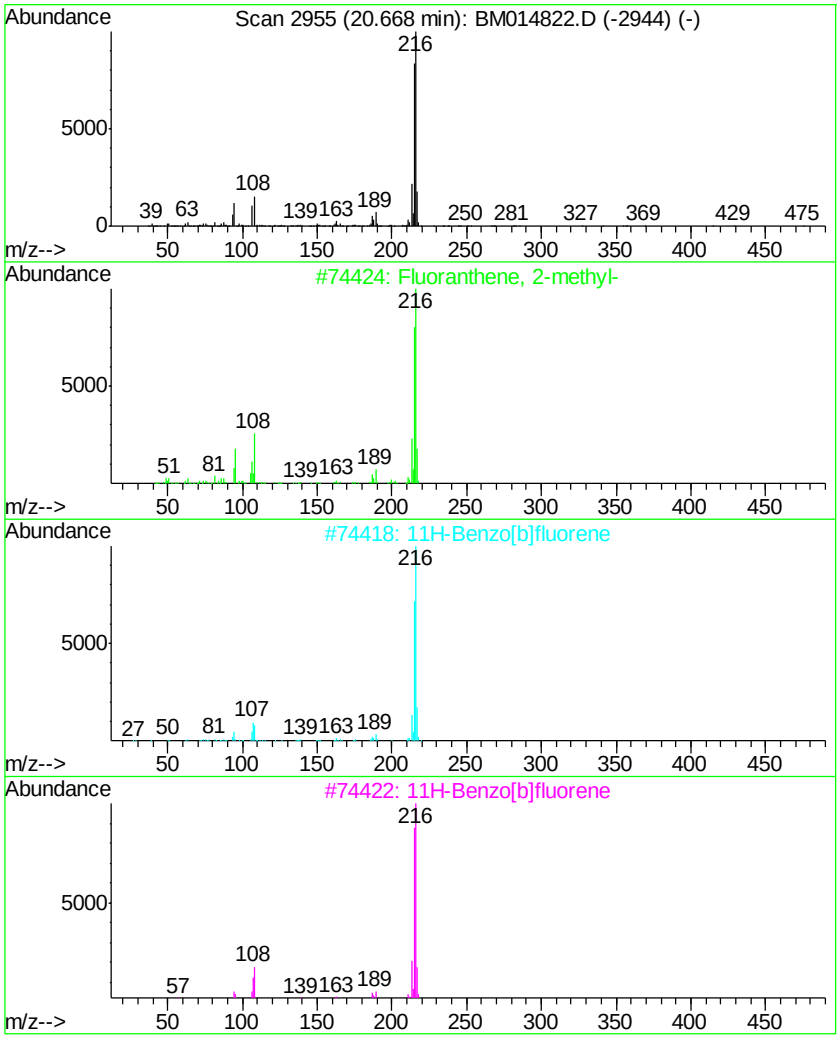
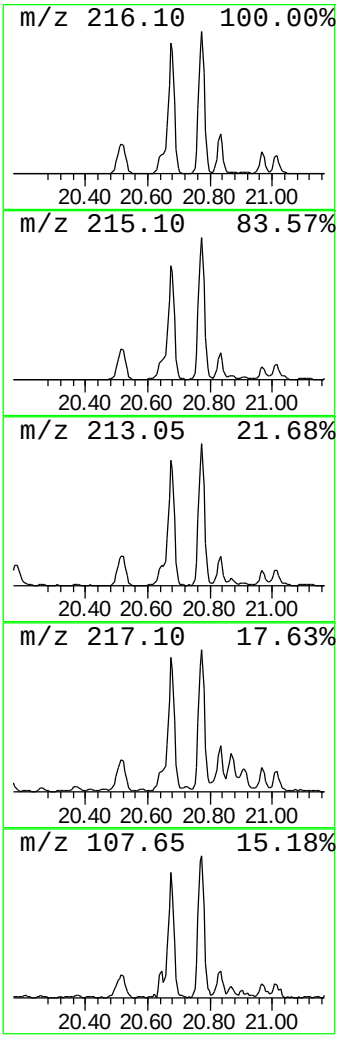
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	5.77 ng/ul	6021870	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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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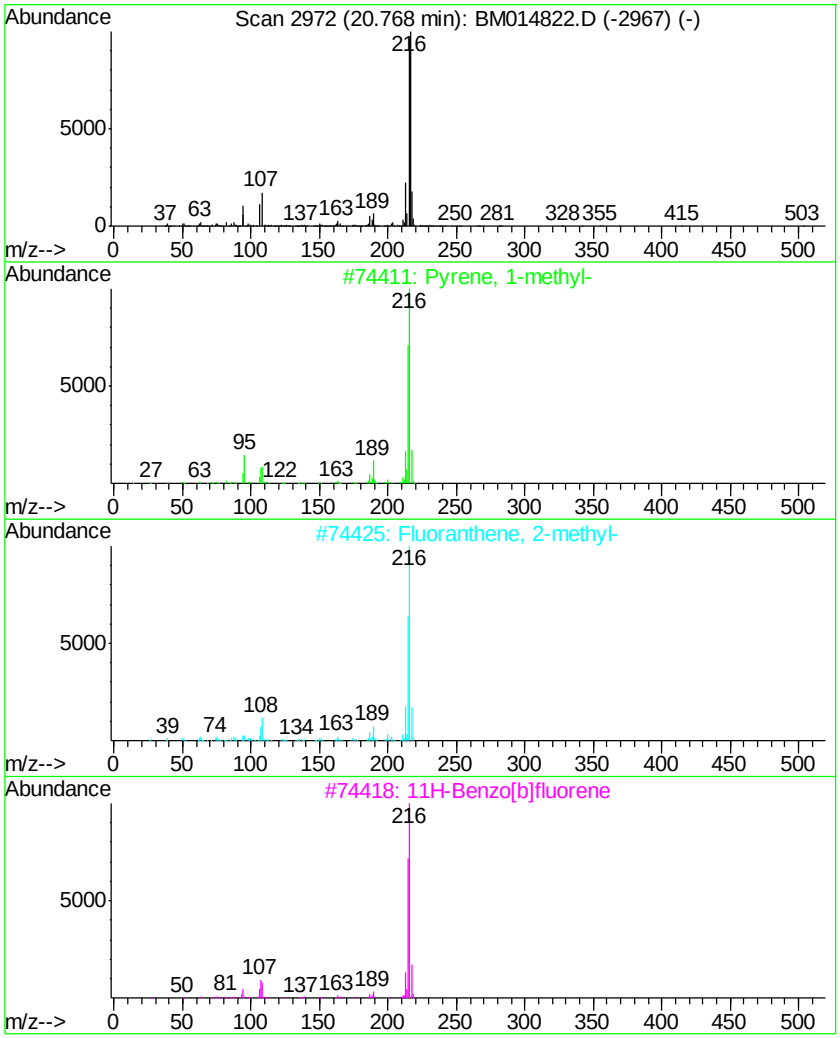
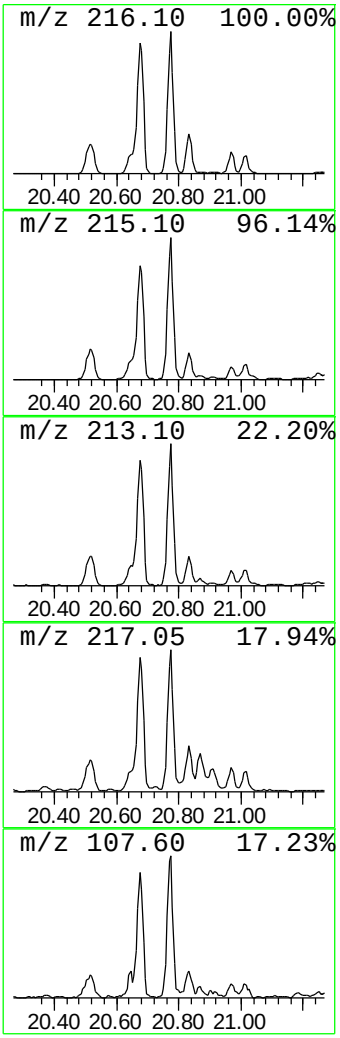
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	5.44 ng/ul	5679570	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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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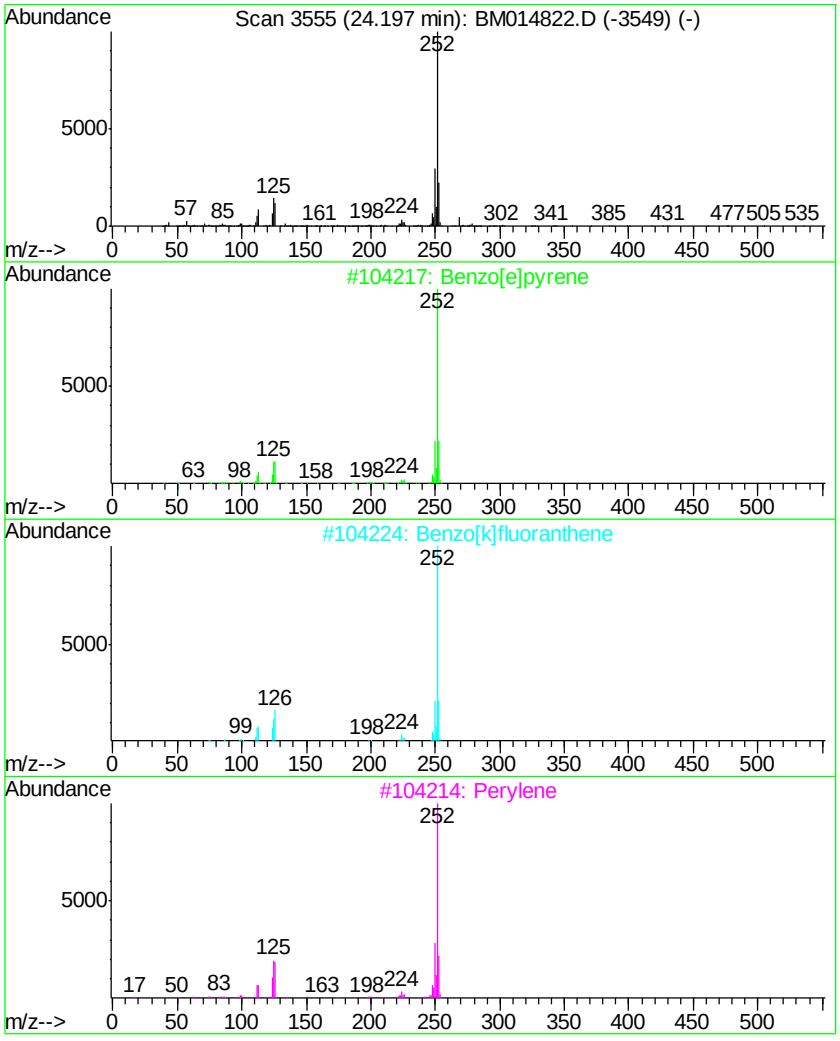
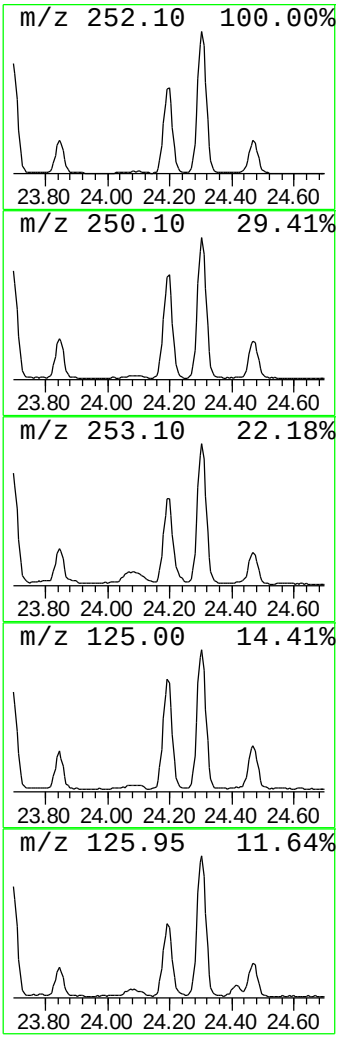
Peak Number 26 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	7.04 ng/ul	2531320	Perylene-d12	24.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042418\
Data File : BM014822.D
Acq On : 24 Apr 2018 22:39
Operator : SJ/JU
Sample : J2431-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP3DL

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...	10.00	2.1	ng/ul	491170	2	11.37	4577410	20.0
Naphthalene, 1,6-...	14.31	2.6	ng/ul	782472	3	15.13	6008490	20.0
Naphthalene, 2-(1...	15.32	2.2	ng/ul	655618	3	15.13	6008490	20.0
Naphthalene, 1,6,...	15.58	2.5	ng/ul	764975	3	15.13	6008490	20.0
Diphenylmethane	16.32	5.4	ng/ul	1622950	3	15.13	6008490	20.0
2,4,6-Cycloheptat...	16.44	7.3	ng/ul	2208050	3	15.13	6008490	20.0
(DEL) Alkane: Str...	16.79	2.3	ng/ul	801346	4	17.84	7136650	20.0
9H-Fluorene, 1-me...	17.14	6.8	ng/ul	2422180	4	17.84	7136650	20.0
Benzene, 1-methyl...	17.36	3.1	ng/ul	1093890	4	17.84	7136650	20.0
8-Dimethylaminona...	17.56	3.2	ng/ul	1142390	4	17.84	7136650	20.0
Naphtho[2,1-b]thi...	17.66	9.3	ng/ul	3335540	4	17.84	7136650	20.0
Anthracene, 9-eth...	18.34	2.5	ng/ul	890442	4	17.84	7136650	20.0
Phenanthrene, 2-m...	18.70	11.3	ng/ul	4041880	4	17.84	7136650	20.0
4H-Cyclopenta[def...	18.89	32.7	ng/ul	11660300	4	17.84	7136650	20.0
Naphthalene, 2-ph...	19.17	9.7	ng/ul	3447520	4	17.84	7136650	20.0
Phenanthrene, 2,5...	19.58	3.5	ng/ul	1230810	4	17.84	7136650	20.0
Indeno[2,1-a]inde...	19.64	4.0	ng/ul	1411660	4	17.84	7136650	20.0
Benzo[b]naphtho[2...	20.50	2.5	ng/ul	2574760	5	21.93	20879600	20.0
Fluoranthene, 2-m...	20.67	5.8	ng/ul	6021870	5	21.93	20879600	20.0
Pyrene, 1-methyl-	20.77	5.4	ng/ul	5679570	5	21.93	20879600	20.0
Benzo[e]pyrene	24.20	7.0	ng/ul	2531320	6	24.41	7188690	20.0