LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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	3.358	8	12	18	rVB	456190	571170	3.99%	0.267%
2	4.499	201	206	214	rVB	189333	285809	2.00%	0.134%
3	5.934	444	450	455	rVB	179400	271377	1.90%	0.127%
4	6.069	467	473	484	rBV	454248	903005	6.31%	0.422%
5	6.463	533	540	546	rVV2	220167	382339	2.67%	0.179%
6	7.469	700	711	717	rBV3	115378	267189	1.87%	0.125%
7	7.645	735	741	749	rVV	1602501	2679969	18.74%	1.252%
8	7.828	761	772	778	rBV	1163164	1909986	13.35%	0.893%
9	7.969	789	796	802	rVV4	117786	354285	2.48%	0.166%
10	8.045	802	809	816	rVV	1450803	2571017	17.97%	1.201%
11	8.116	816	821	824	rVV	175320	267645	1.87%	0.125%
12	8.157	824	828	836	rVV	241350	384398	2.69%	0.180%
13	8.528	885	891	905	rVB	1450905	2581293	18.05%	1.206%
14	8.651	905	912	917	rBV2	283231	537802	3.76%	0.251%
15	8.887	946	952	959	rVB2	245776	431529	3.02%	0.202%
16	9.075	980	984	993	rVB4	95759	268242	1.88%	0.125%
17	9.169	993	1000	1003	rBV2	157663	266447	1.86%	0.125%
18	9.222	1003	1009	1015	rVV	1699322	2766366	19.34%	1.293%
19	9.639	1069	1080	1085	rBV	215832	466377	3.26%	0.218%
20	9.704	1085	1091	1096	rBV	1331990	2350879	16.44%	1.099%
21	10.234	1176	1181	1185	rVV2	156873	257471	1.80%	0.120%
22	10.434	1202	1215	1228	rBV	1136879	2201434	15.39%	1.029%
23	10.751	1265	1269	1275	rBV2	154486	294351	2.06%	0.138%
24	10.975	1301	1307	1315	rVB	1713822	2870416	20.07%	1.341%
25	11.369	1367	1374	1379	rVV	1949448	3469675	24.26%	1.621%
26	11.422	1379	1383	1389	rVB	939053	1561747	10.92%	0.730%
27	11.492	1389	1395	1402	rBV	1324985	2283213	15.96%	1.067%
28	12.716	1598	1603	1612	rBV	157354	262961	1.84%	0.123%
29	12.992	1644	1650	1656	rBV	684982	1072371	7.50%	0.501%
30	13.204	1678	1686	1695	rVB	370887	610325	4.27%	0.285%
31	14.310	1861	1874	1881	rBV2	190401	531574	3.72%	0.248%
32	14.451	1889	1898	1903	rBV	267176	502917	3.52%	0.235%
33	14.516	1903	1909	1914	rVV	2912178	4156376	29.06%	1.942%
34	14.563	1914	1917	1923	rVB	675779	965451	6.75%	0.451%

LSC Area Percent Report

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Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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	14.827	1956	1962	1974	rBV	3384784	5493474	38.41%	2.567%
36	14.980	1981	1988	1992	rVB	316009	473148	3.31%	0.221%
37	15.127	2008	2013	2019	rVV2	2742868	4105557	28.70%	1.919%
38	15.192	2019	2024	2029	rVB	1546372	2262034	15.81%	1.057%
39	15.280	2031	2039	2054	rVB	1222913	1927047	13.47%	0.900%
40	15.433	2055	2065	2069	rBV6	90449	239442	1.67%	0.112%
41	15.516	2074	2079	2086	rVV	1267267	1937399	13.54%	0.905%
42	15.916	2142	2147	2153	rVB	413432	602519	4.21%	0.282%
43	16.104	2169	2179	2184	rBV2	4196822	6554491	45.82%	3.063%
44	16.157	2184	2188	2192	rVV	1389358	2005039	14.02%	0.937%
45	16.204	2192	2196	2201	rVV	732646	989499	6.92%	0.462%
46	16.280	2205	2209	2212	rVV2	158196	249709	1.75%	0.117%
47	16.316	2212	2215	2220	rVB	263854	370236	2.59%	0.173%
48	16.445	2233	2237	2243	rVB	272735	407135	2.85%	0.190%
49	16.586	2257	2261	2269	rVB2	325267	630591	4.41%	0.295%
50	16.768	2287	2292	2293	rBV	360275	436319	3.05%	0.204%
51	16.792	2293	2296	2311	rVB4	403986	906060	6.33%	0.423%
52	17.145	2353	2356	2361	rVB4	167678	266055	1.86%	0.124%
53	17.486	2409	2414	2421	rVB2	430325	738763	5.16%	0.345%
54	17.551	2421	2425	2430	rVV2	249134	373846	2.61%	0.175%
55	17.604	2430	2434	2439	rVV3	179561	293182	2.05%	0.137%
56	17.662	2439	2444	2454	rVB	426308	672668	4.70%	0.314%
57	17.839	2468	2474	2478	rBV	3015914	4797579	33.54%	2.242%
58	17.880	2478	2481	2486	rVV	6129960	8819581	61.66%	4.121%
59	17.939	2486	2491	2494	rVV	4133489	6163498	43.09%	2.880%
60	17.968	2494	2496	2501	rVV	1528639	2048960	14.32%	0.957%
61	18.027	2501	2506	2511	rVB	722662	1015162	7.10%	0.474%
62	18.227	2536	2540	2545	rVB	376558	524317	3.67%	0.245%
63	18.668	2609	2615	2624	rBV3	1839025	3258018	22.78%	1.522%
64	18.745	2624	2628	2635	rVB2	776068	1096960	7.67%	0.513%
65	18.821	2638	2641	2645	rVB	217153	284912	1.99%	0.133%
66	18.892	2647	2653	2661	rBV2	1640987	2828417	19.77%	1.322%
67	19.174	2697	2701	2705	rBV	333451	453077	3.17%	0.212%
68	19.221	2705	2709	2719	rVB2	283777	475685	3.33%	0.222%
69	19.568	2765	2768	2775	rBV3	166363	345073	2.41%	0.161%
70	19.727	2791	2795	2798	rBV2	230605	388325	2.71%	0.181%
71	19.792	2803	2806	2810	rVV	523194	737905	5.16%	0.345%

LSC Area Percent Report

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Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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	19.845	2810	2815	2820	rVB	6980801	9152400	63.99%	4.277%
73	19.904	2822	2825	2829	rBV2	673646	816540	5.71%	0.382%
74	20.062	2849	2852	2854	rBV2	222805	284523	1.99%	0.133%
75	20.174	2865	2871	2874	rBV3	5722194	9791646	68.46%	4.576%
76	20.203	2874	2876	2882	rVB	5280190	5744260	40.16%	2.684%
77	20.368	2901	2904	2909	rVB	329273	435169	3.04%	0.203%
78	20.439	2912	2916	2921	rVB	505735	709589	4.96%	0.332%
79	20.509	2924	2928	2934	rVB3	294999	605171	4.23%	0.283%
80	20.656	2949	2953	2954	rBV2	646583	774215	5.41%	0.362%
81	20.774	2969	2973	2976	rBV	838474	1094014	7.65%	0.511%
82	20.968	3002	3006	3010	rBV2	387438	642830	4.49%	0.300%
83	21.362	3069	3073	3076	rBV2	737119	926155	6.47%	0.433%
84	21.580	3105	3110	3118	rVB4	2156039	3309812	23.14%	1.547%
85	21.650	3118	3122	3126	rBV2	1033393	1354649	9.47%	0.633%
86	21.792	3141	3146	3154	rBV	5099444	6105955	42.69%	2.853%
87	21.927	3161	3169	3173	rBV2	4301883	9620931	67.26%	4.496%
88	21.968	3173	3176	3180	rVB	2328616	3086079	21.58%	1.442%
89	22.098	3194	3198	3203	rVB	1239494	1793828	12.54%	0.838%
90	22.262	3222	3226	3231	rBV	745477	1374672	9.61%	0.642%
91	23.162	3376	3379	3386	rVB	571157	865138	6.05%	0.404%
92	23.656	3455	3463	3477	rVB	4428107	14303605	100.00%	6.684%
93	23.850	3492	3496	3502	rVB	897609	1479657	10.34%	0.691%
94	24.203	3550	3556	3561	rBV	2125513	5205834	36.40%	2.433%
95	24.262	3561	3566	3570	rVV	3679682	7993939	55.89%	3.736%
96	24.315	3570	3575	3583	rVV	3296967	6946925	48.57%	3.246%
97	24.421	3587	3593	3598	rVV	2314640	4685292	32.76%	2.189%
98	24.474	3599	3602	3609	rVB	1088374	2055433	14.37%	0.960%
99	24.962	3681	3685	3693	rVB2	946913	1859597	13.00%	0.869%
100	27.003	4024	4032	4043	rVB	1342138	4251258	29.72%	1.987%

Sum of corrected areas: 213998204

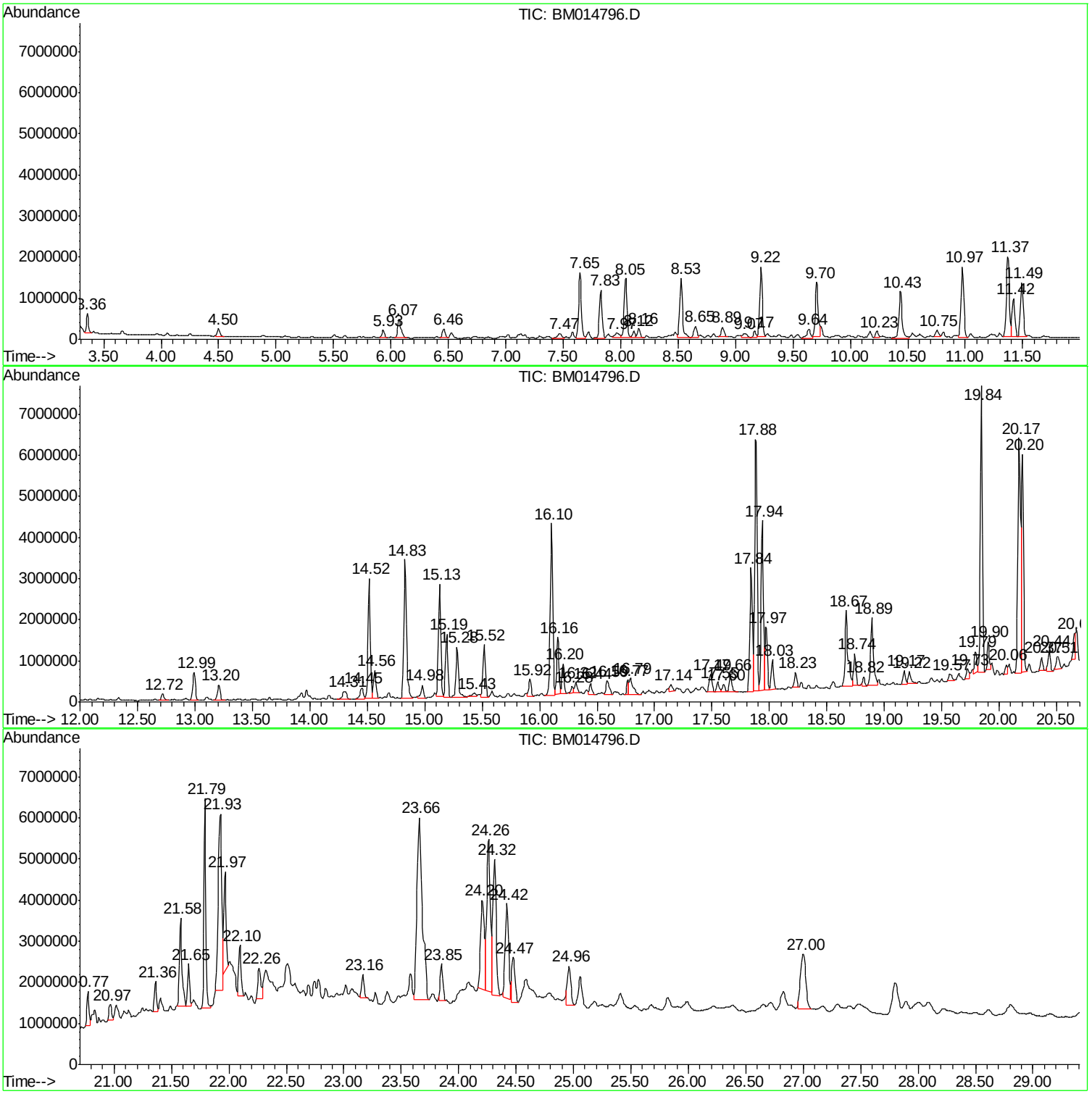
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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

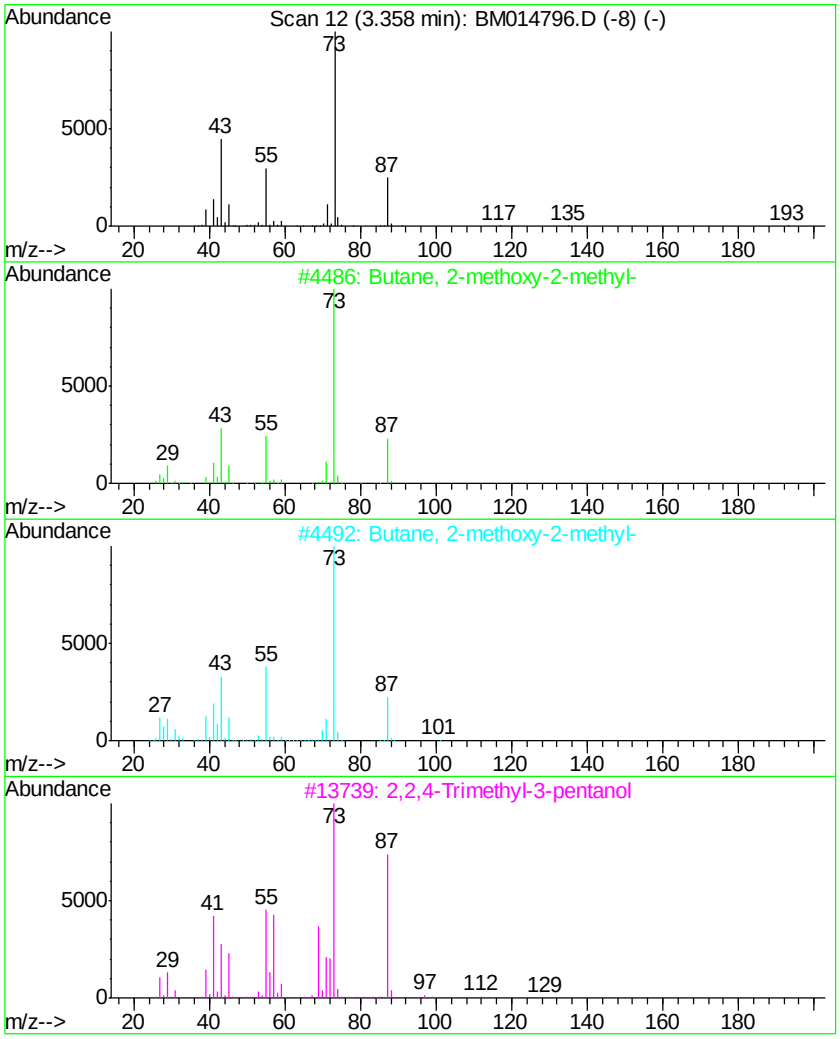
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

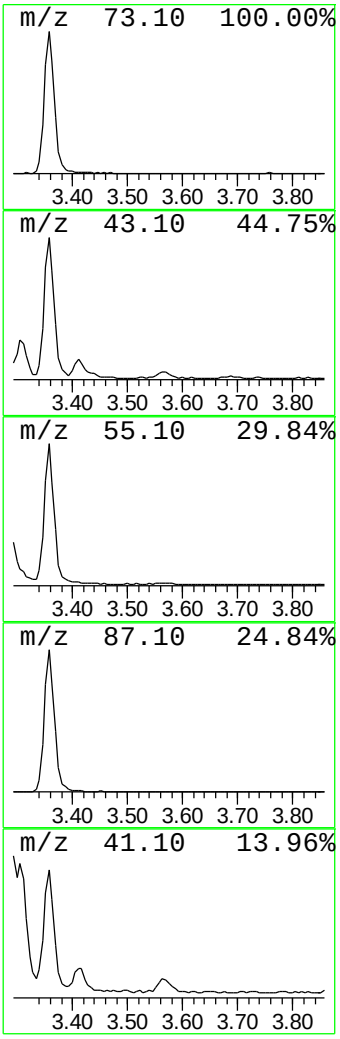
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	4.43 ng/ul	571170	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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

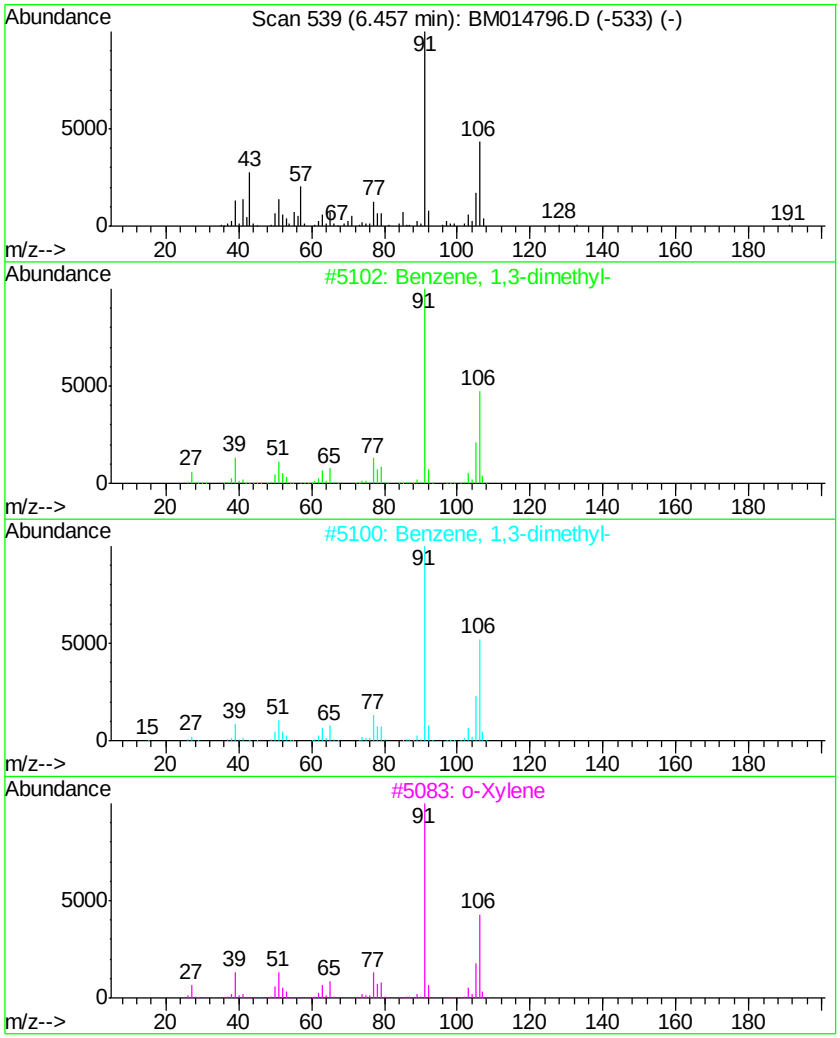
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

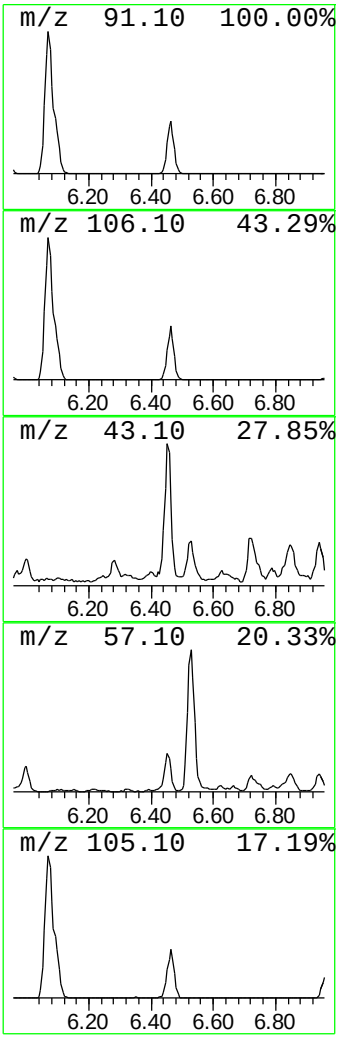
****

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	2.96 ng/ul	382339	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	95
4	p-Xylene	106	C8H10	000106-42-3	95
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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

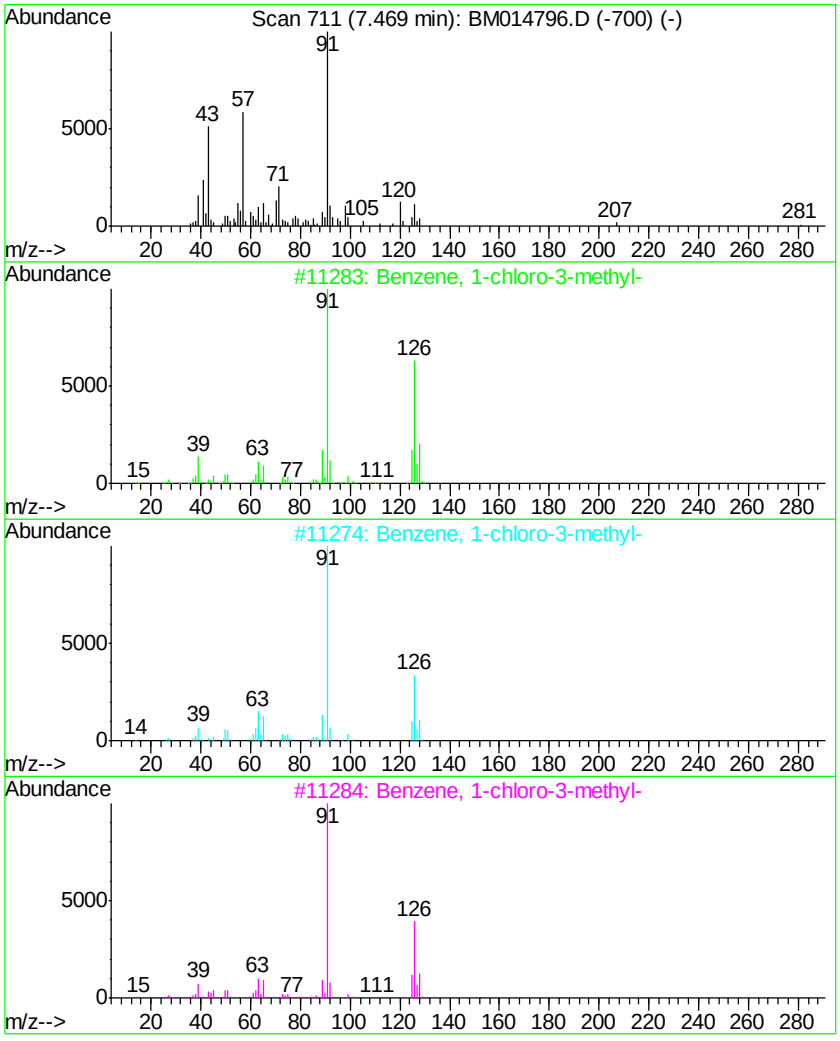
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

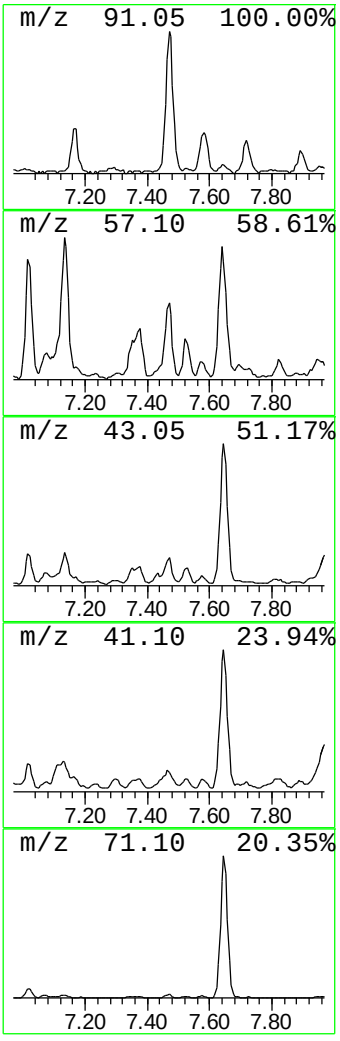
****

Peak Number 6 unknown-01 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	2.07 ng/ul	267189	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	46
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	46
3	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	45
4	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	45
5	Benzyl chloride	126	C7H7Cl	000100-44-7	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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

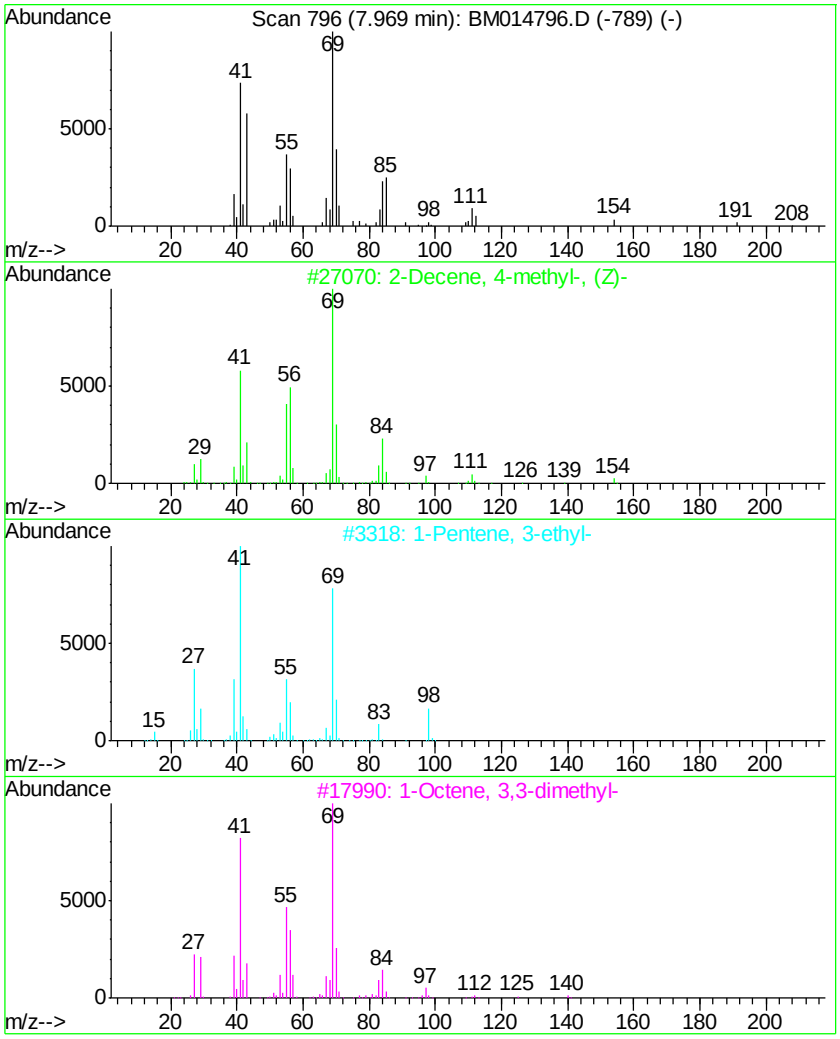
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

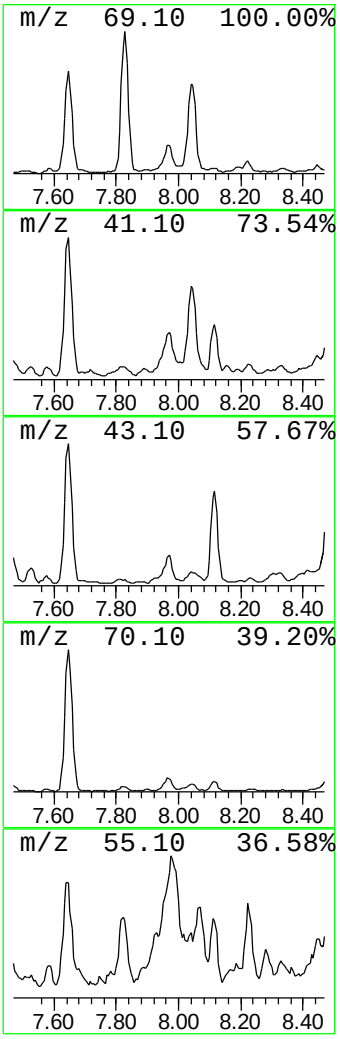
****

Peak Number 7 (DEL) Alkane: Cyclic7.97 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	2.75 ng/ul	354285	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	58
2	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	53
3	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	50
4	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	50
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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

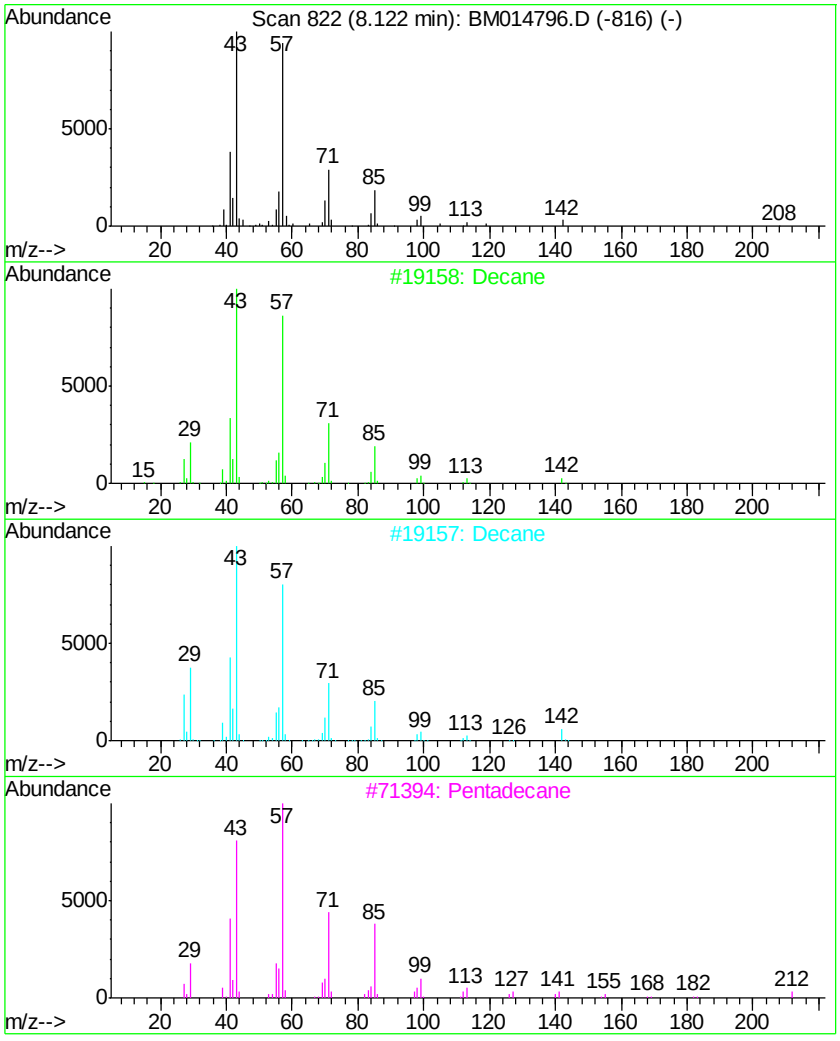
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

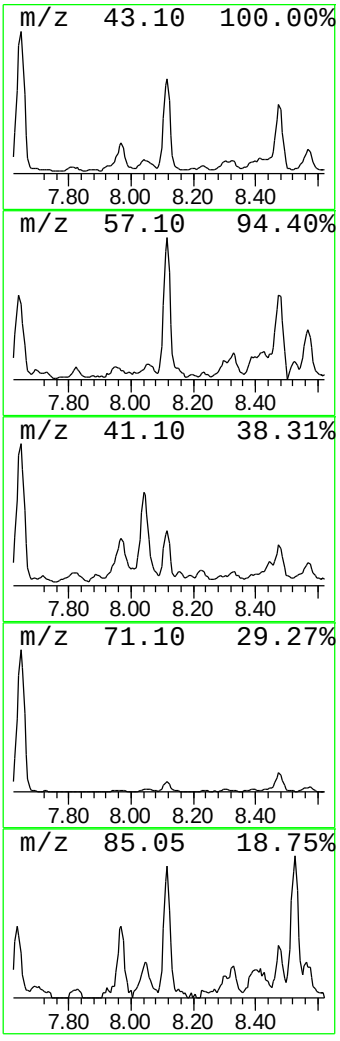
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	2.07 ng/ul	267645	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Decane	142	C10H22	000124-18-5	83
3	Pentadecane	212	C15H32	000629-62-9	78
4	Undecane	156	C11H24	001120-21-4	72
5	Nonane	128	C9H20	000111-84-2	64





Library Search Compound Report

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Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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

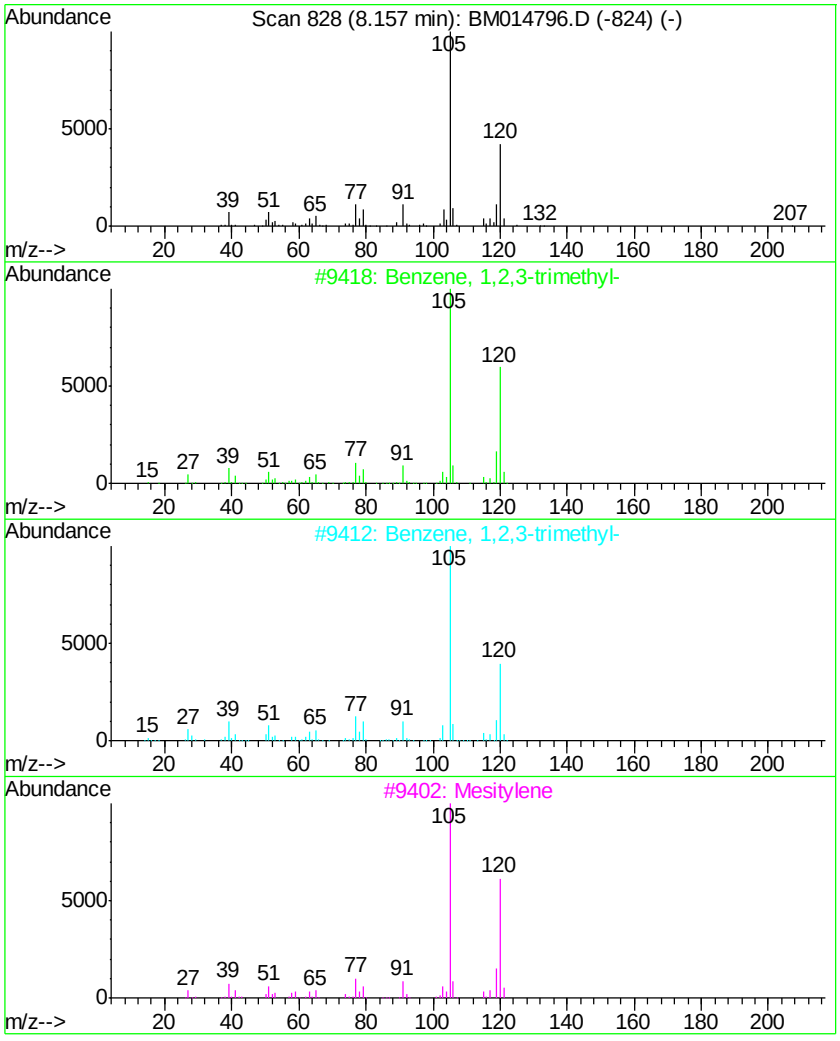
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

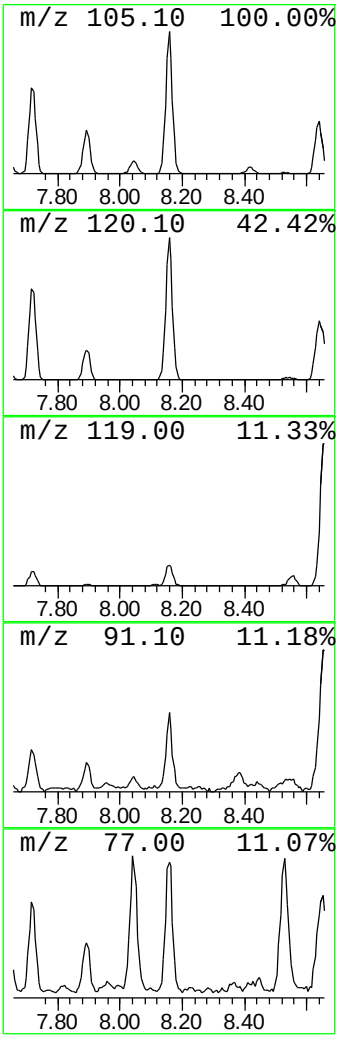
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	2.98 ng/ul	384398	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : SJ/JU
Sample : J2431-11
Misc :
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Instrument : BNA_M
ClientSampleId : DASP2

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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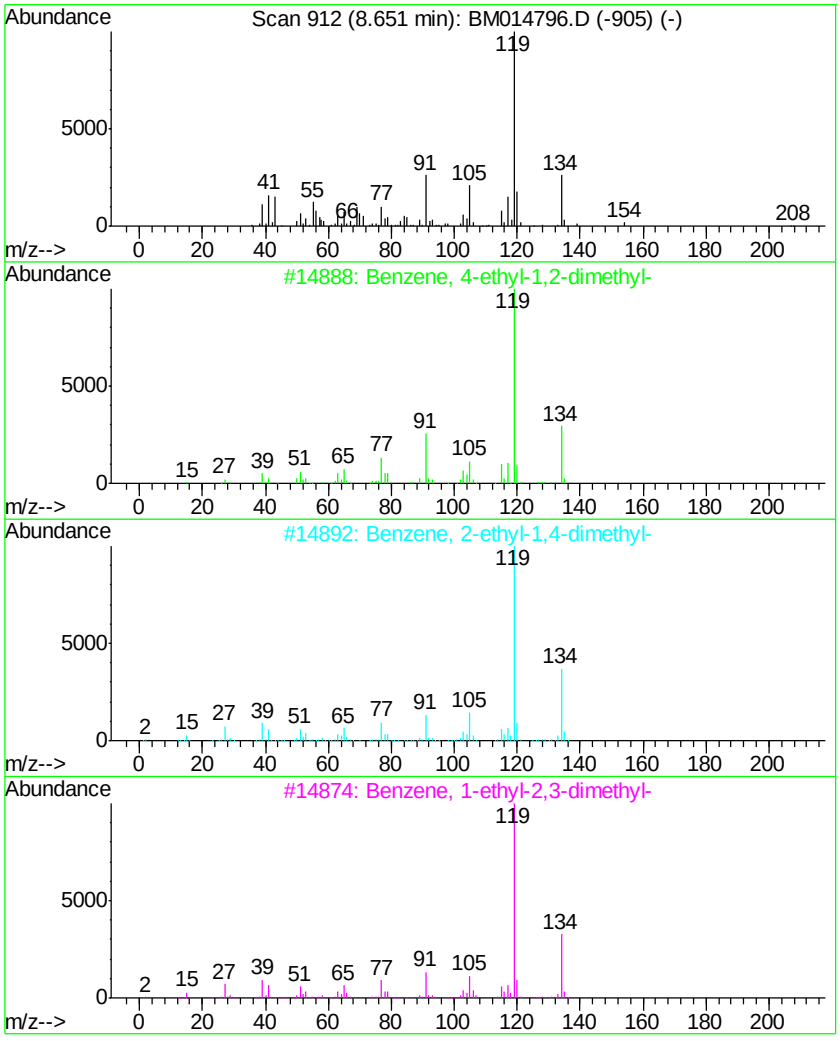
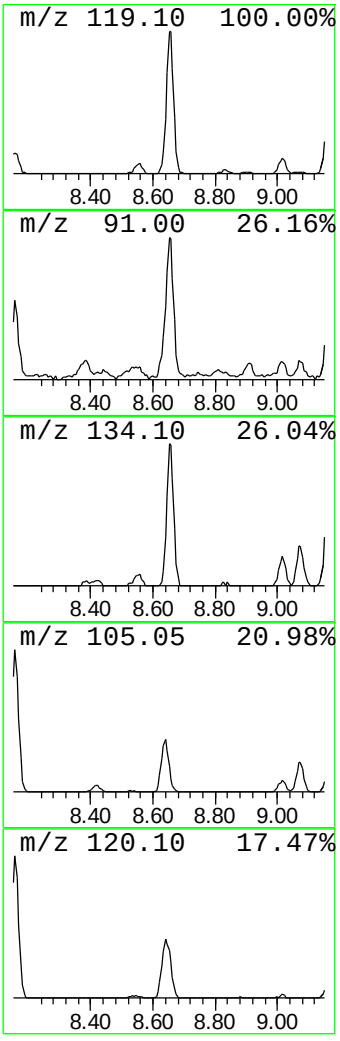
Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	4.17 ng/ul	537802	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
4	o-Cymene	134	C10H14	000527-84-4	81
5	o-Cymene	134	C10H14	000527-84-4	81





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Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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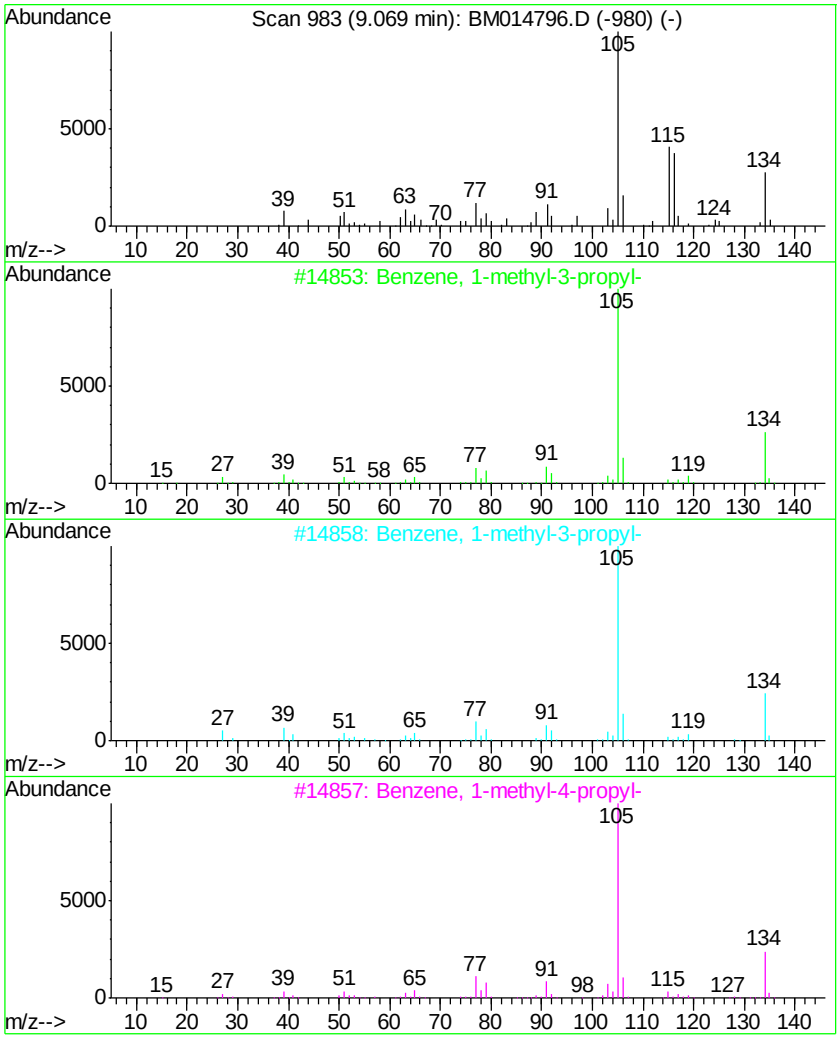
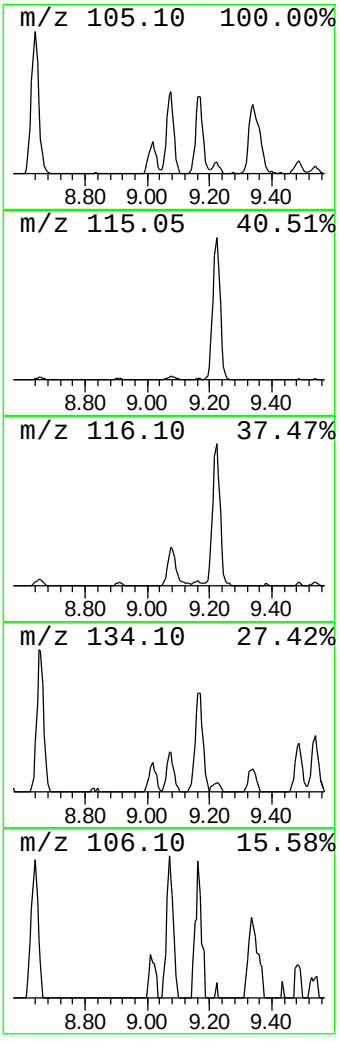
Peak Number 12 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	2.08 ng/ul	268242	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	42
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	42
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	41
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38





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Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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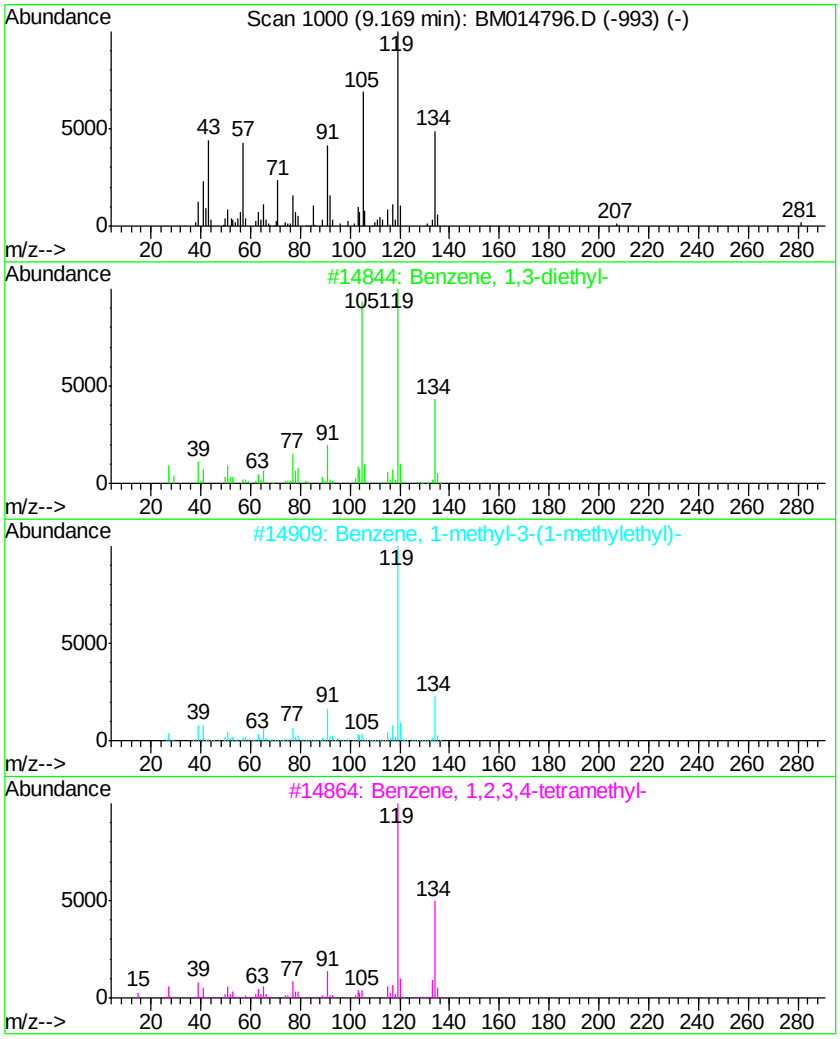
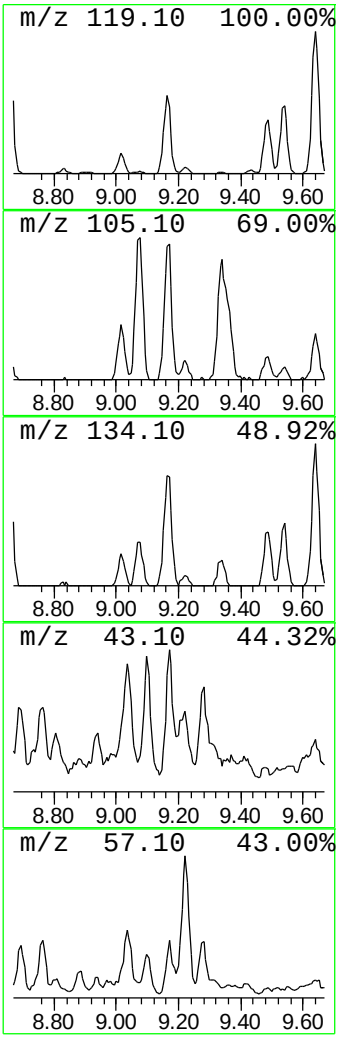
Peak Number 13 Benzene, 1,3-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	2.06 ng/ul	266447	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	89
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	81
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81





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Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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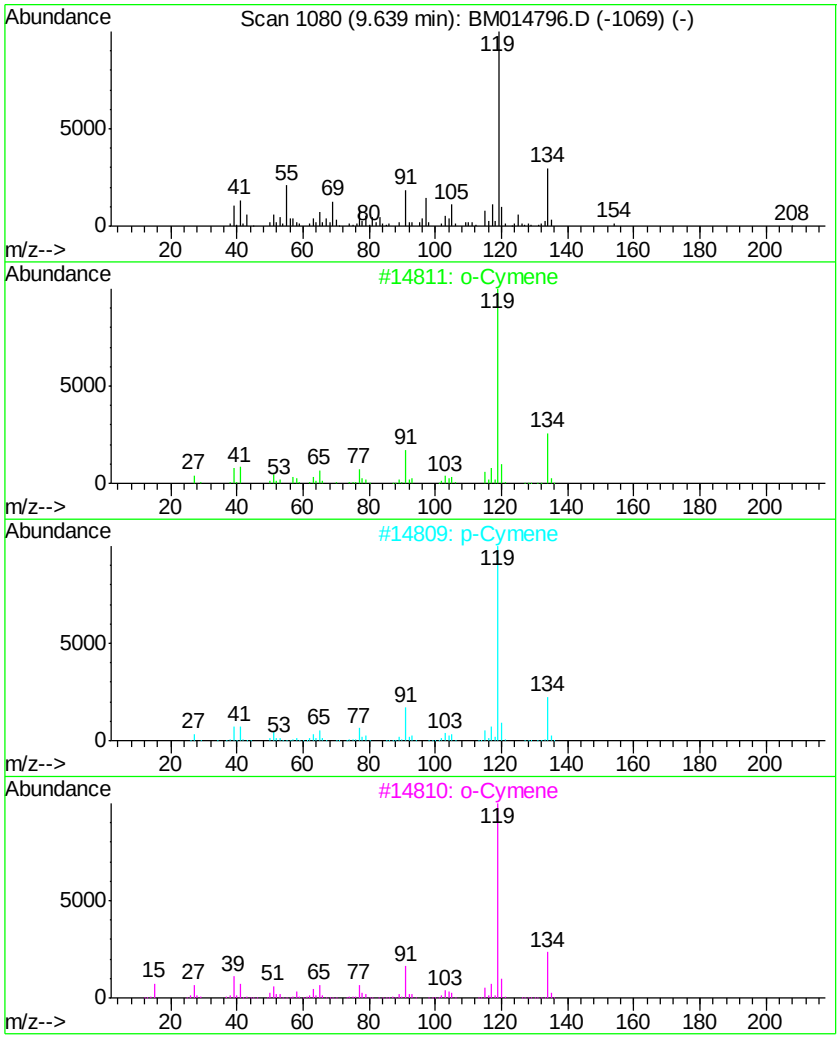
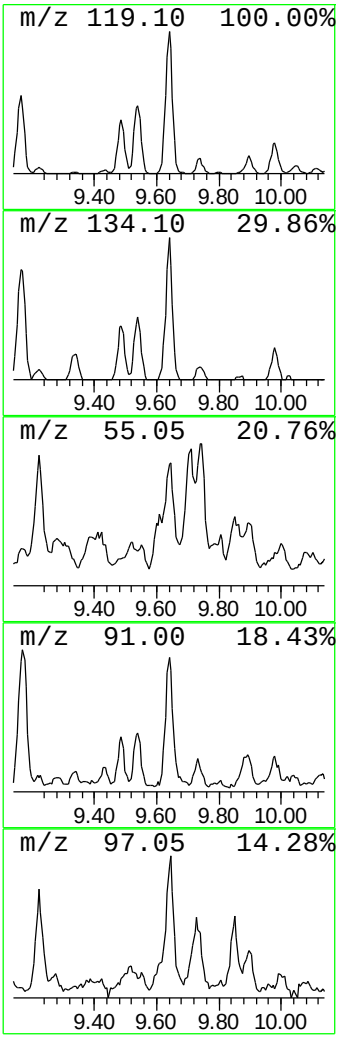
Peak Number 14 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	3.61 ng/ul	466377	1,4-Dichlorobenzene-d4	8.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Instrument : BNA_M
ClientSampleId : DASP2

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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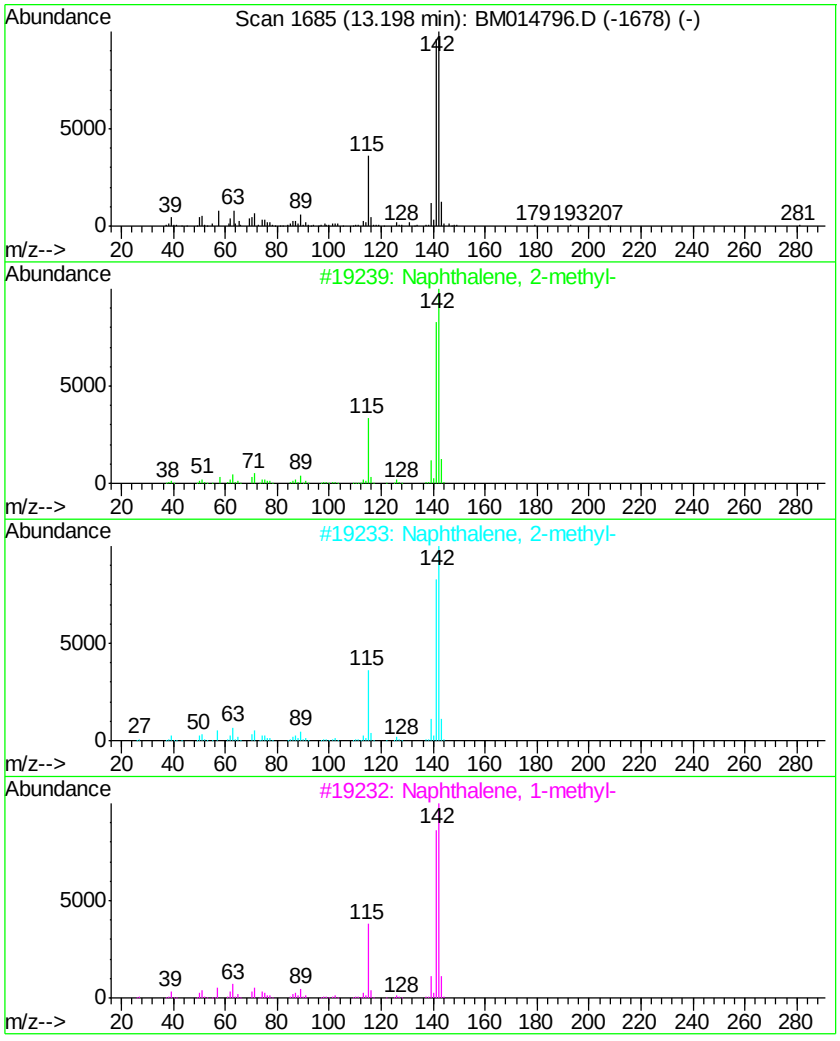
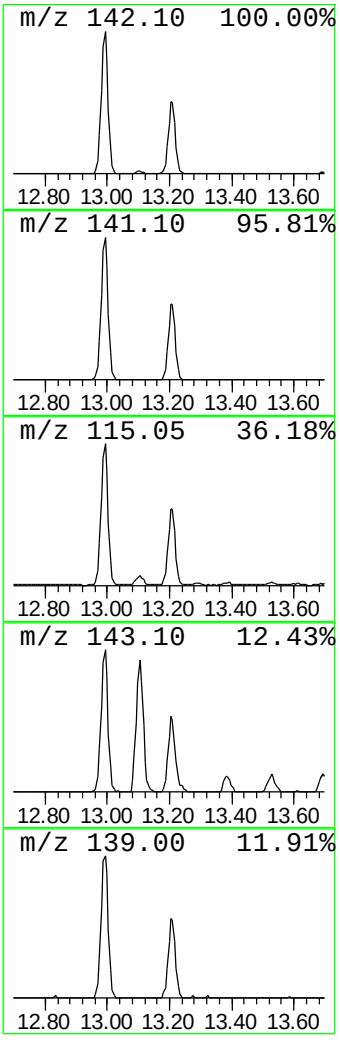
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.52 ng/ul	610325	Naphthalene-d8	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Operator : SJ/JU
Sample : J2431-11
Misc :
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Instrument : BNA_M
ClientSampleId : DASP2

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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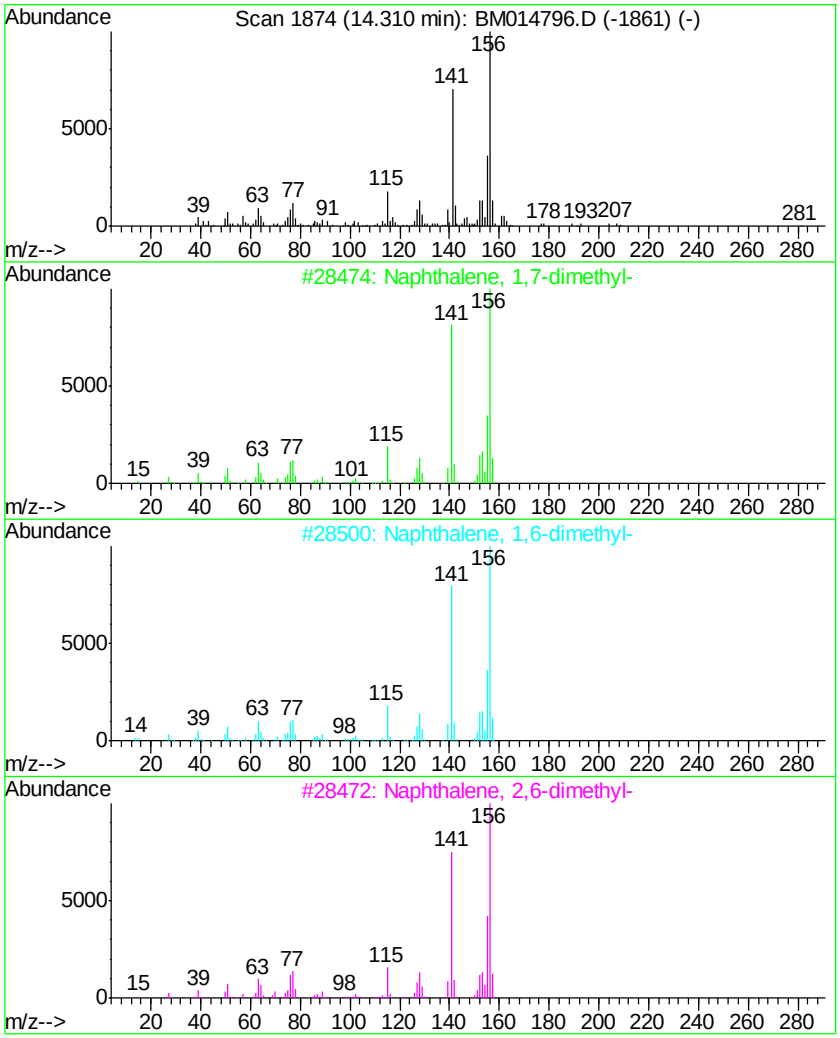
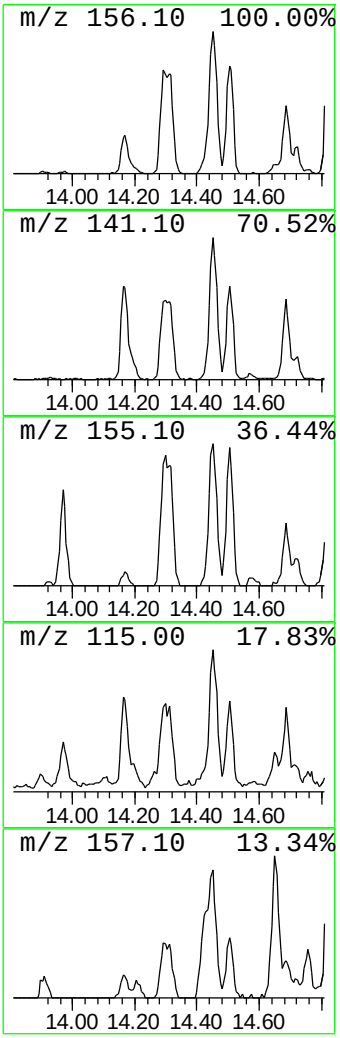
Peak Number 16 Naphthalene, 1,7-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	2.59 ng/ul	531574	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, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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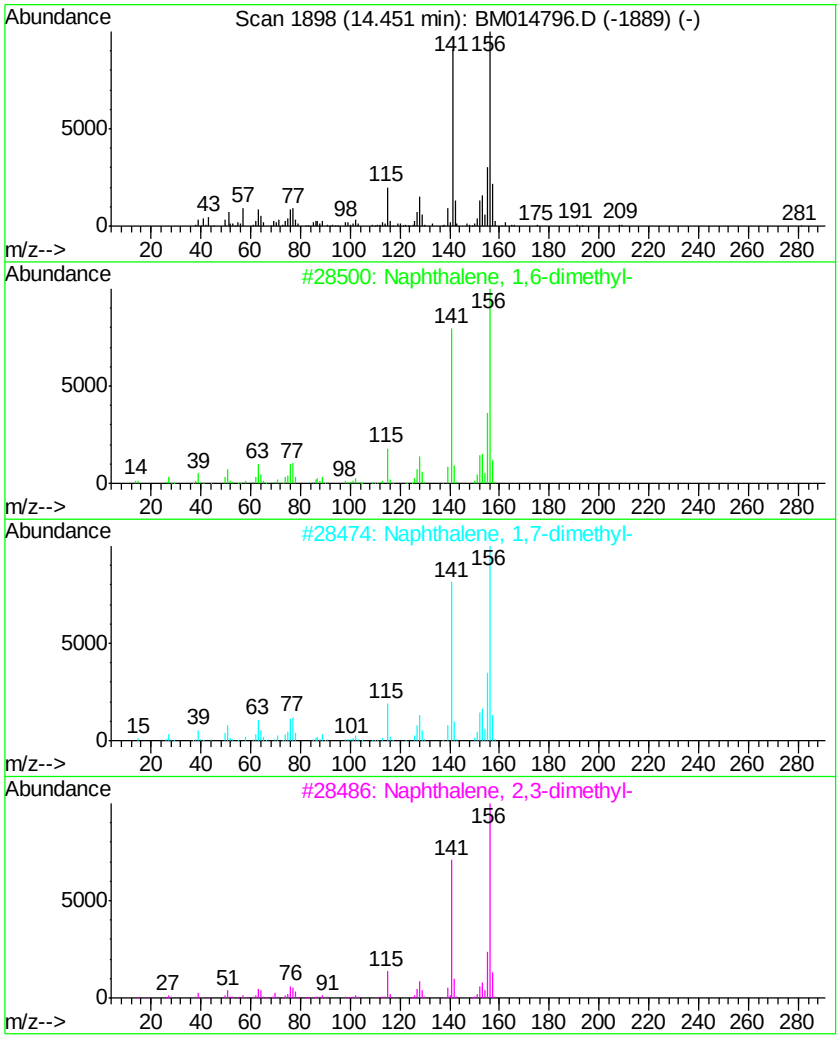
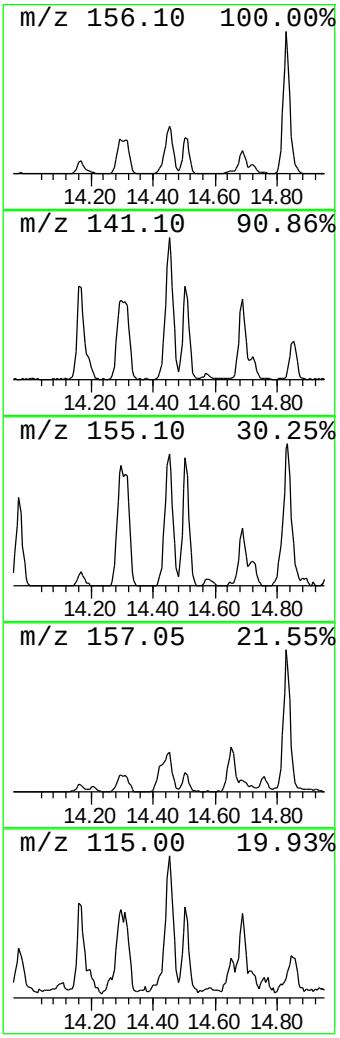
Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	2.45 ng/ul	502917	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

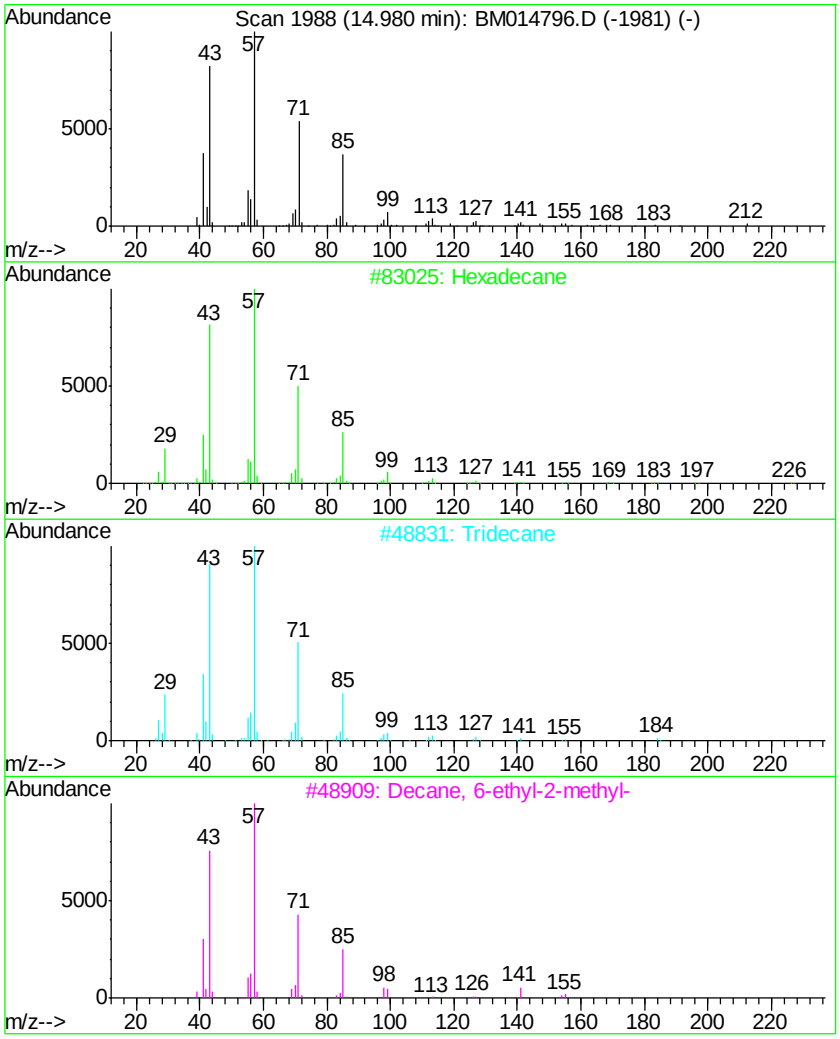
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

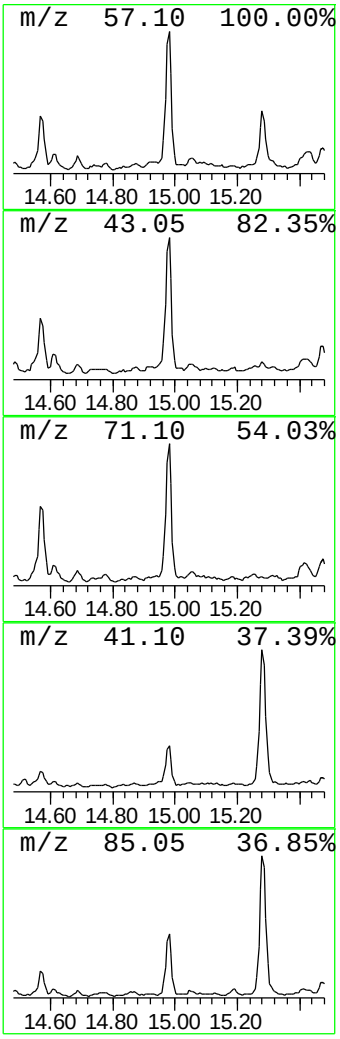
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	2.30 ng/ul	473148	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane	184	C13H28	000629-50-5	90
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	78





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Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

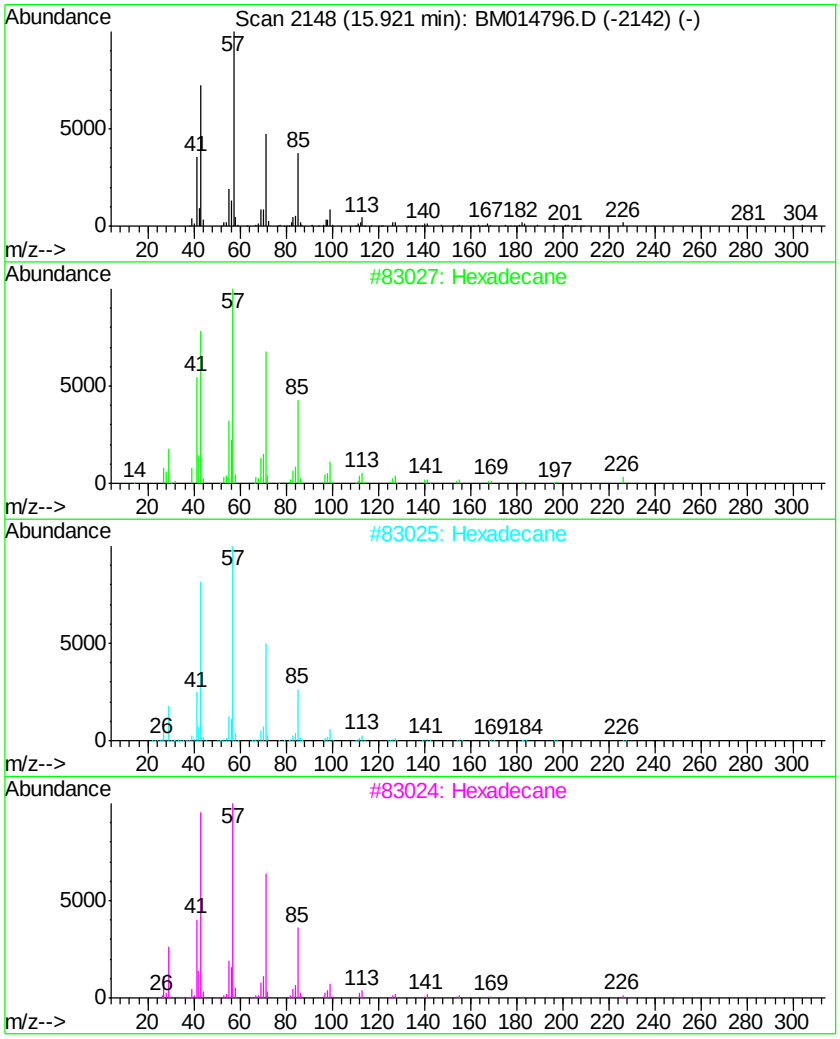
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

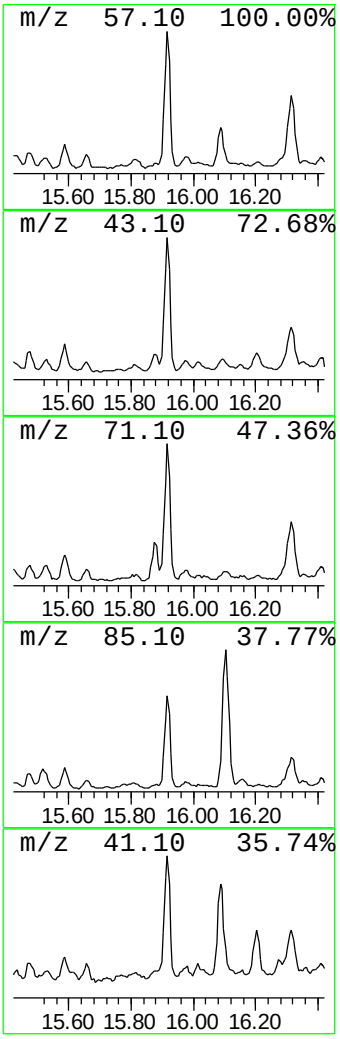
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.94 ng/ul	602519	Acenaphthene-d10	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Hexadecane	226	C16H34	000544-76-3	87
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
5	Tetradecane	198	C14H30	000629-59-4	86





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ALS Vial : 22 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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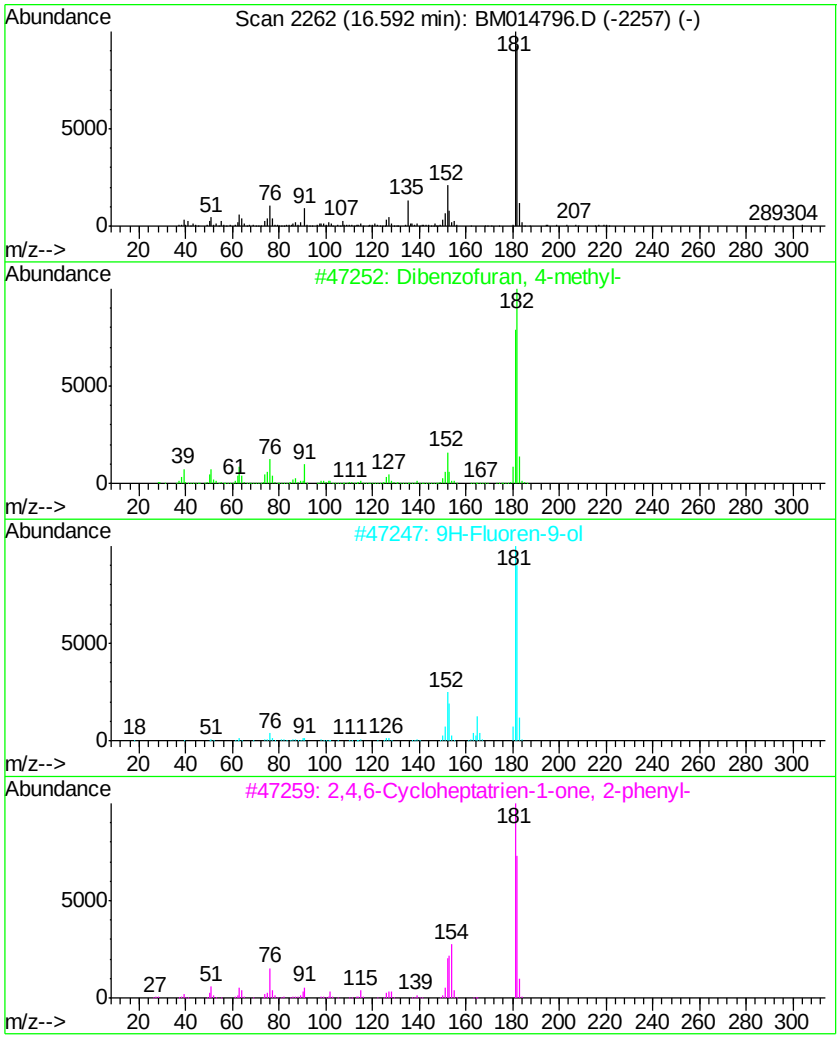
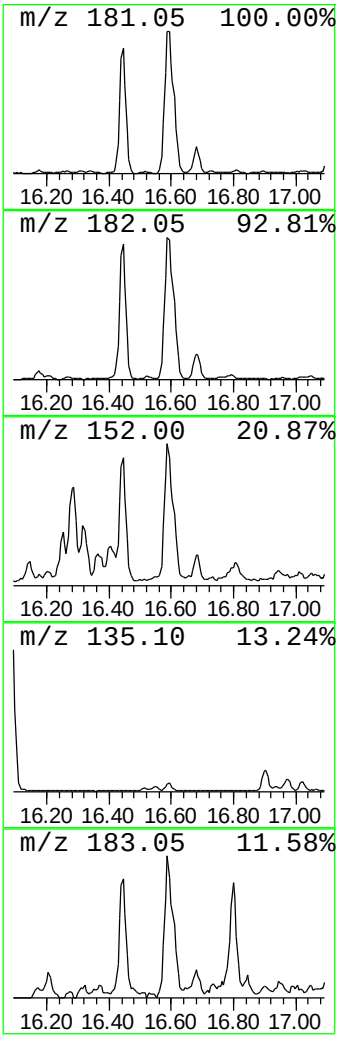
Peak Number 20 Dibenzofuran, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	2.63 ng/ul	630591	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

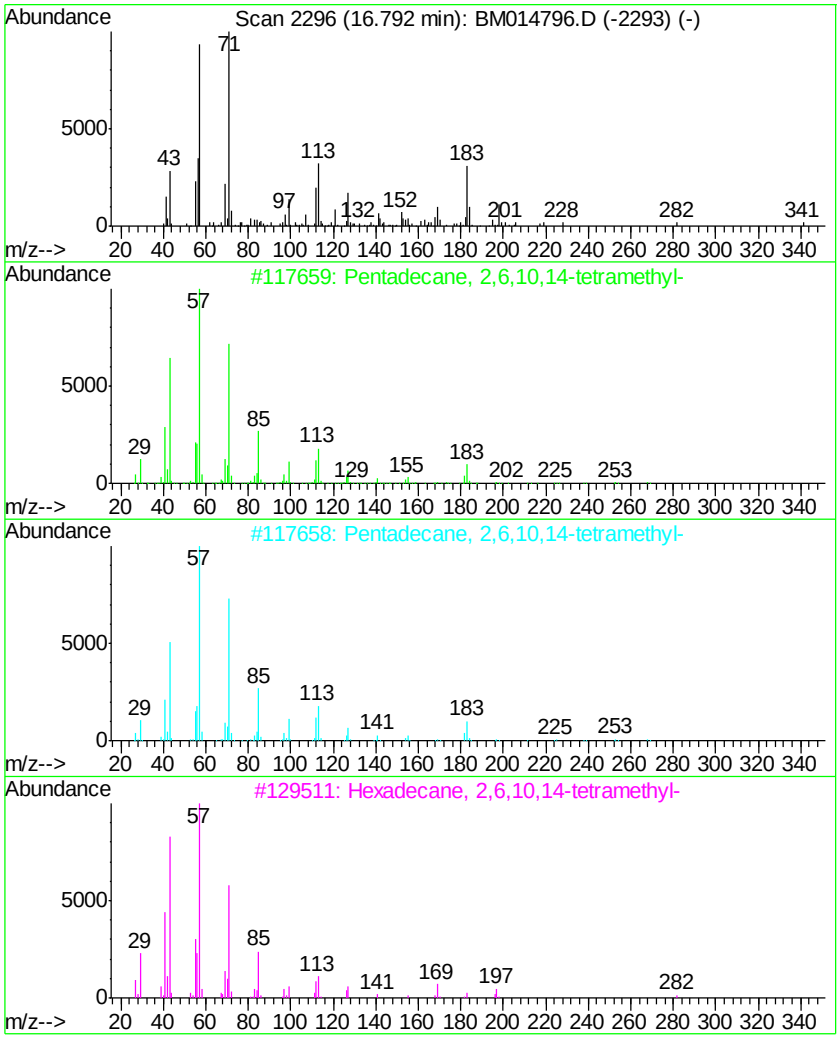
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

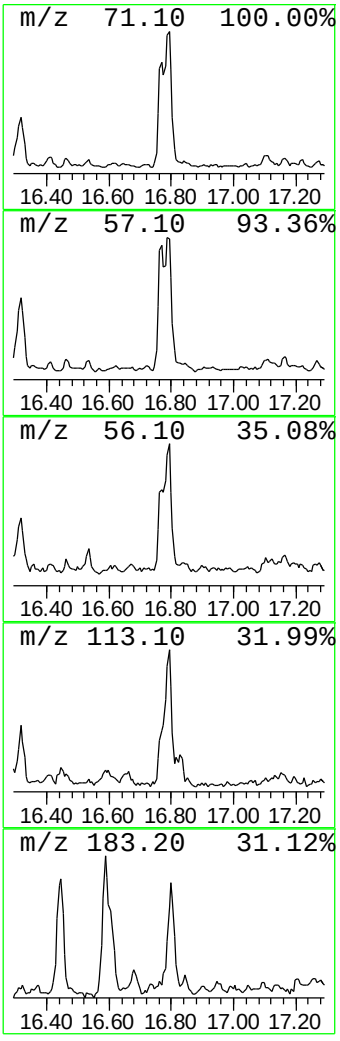
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.78 ng/ul	906060	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	50
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
5	Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	43





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Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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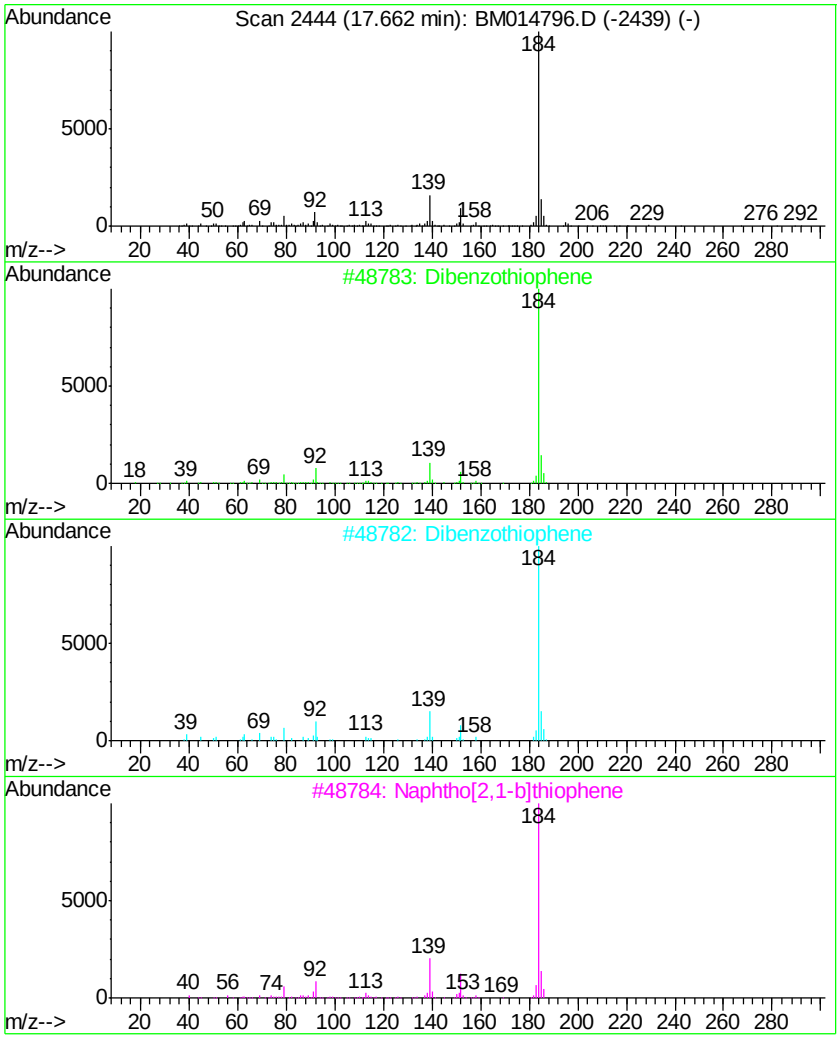
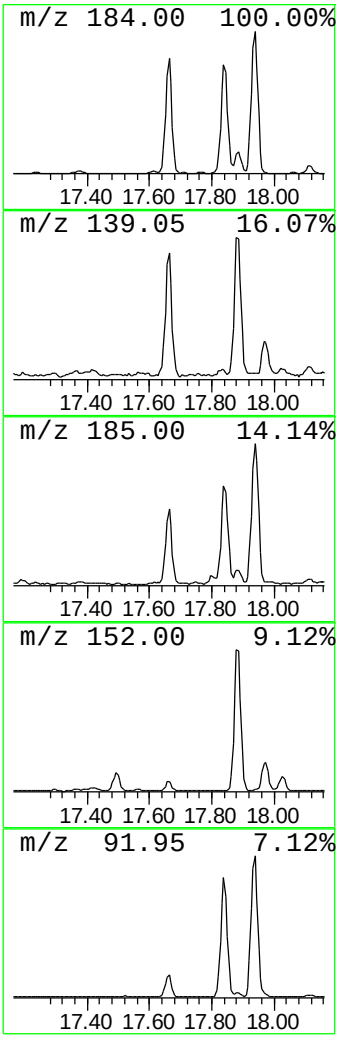
Peak Number 22 Dibenzothiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.80 ng/ul	672668	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	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 : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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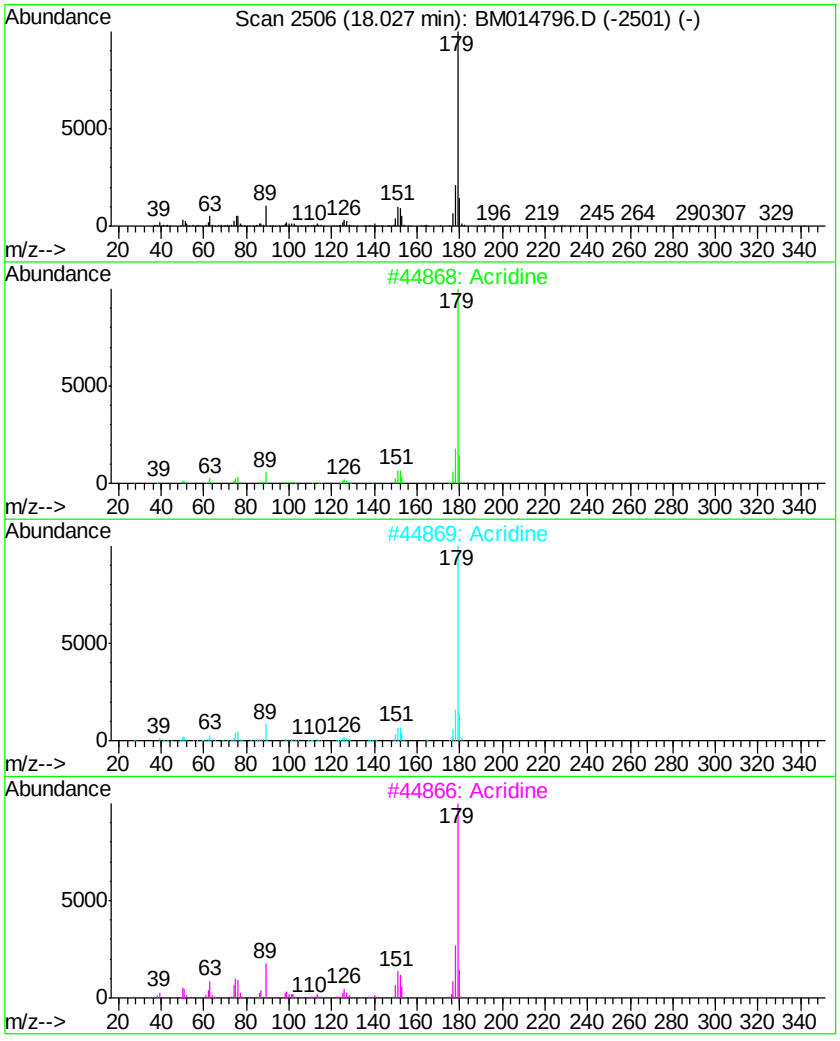
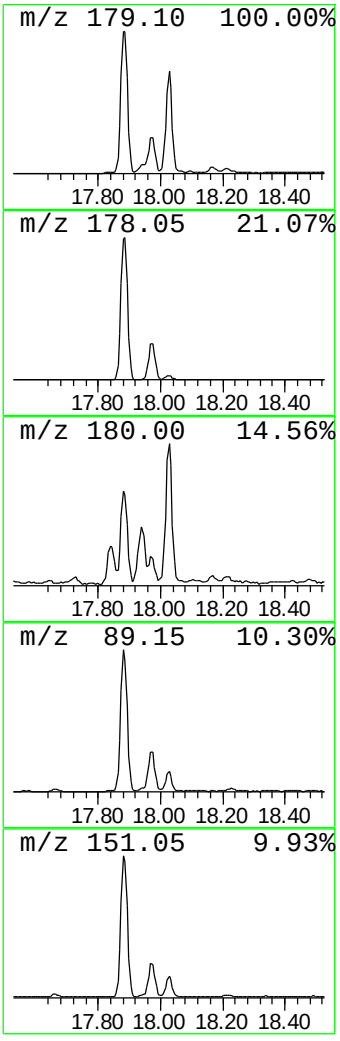
Peak Number 23 Acridine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.23 ng/ul	1015160	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Acridine	179	C13H9N	000260-94-6	96
3	Acridine	179	C13H9N	000260-94-6	95
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
5	Phenanthridine	179	C13H9N	000229-87-8	94





Library Search Compound Report

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ClientSampleId : DASP2

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Quant Title : SVOA CALIBRATION

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

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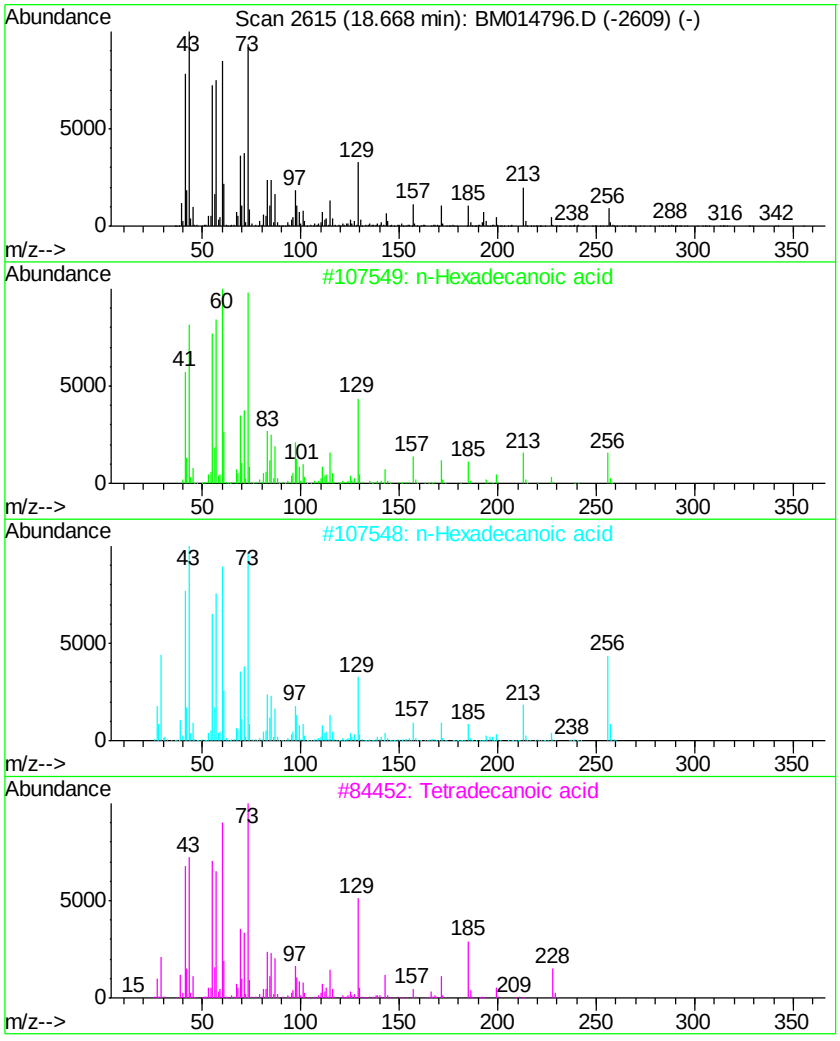
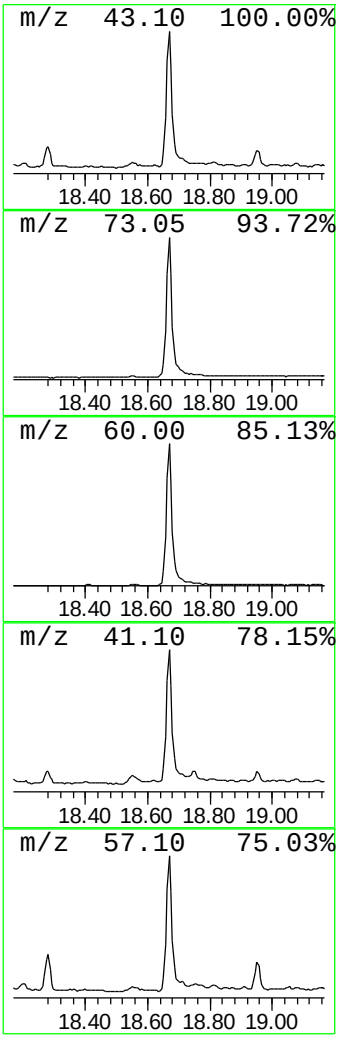
Peak Number 24 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	13.58 ng/ul	3258020	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	97
4	Tridecanoic acid	214	C13H26O2	000638-53-9	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83





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ClientSampleId : DASP2

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Quant Title : SVOA CALIBRATION

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

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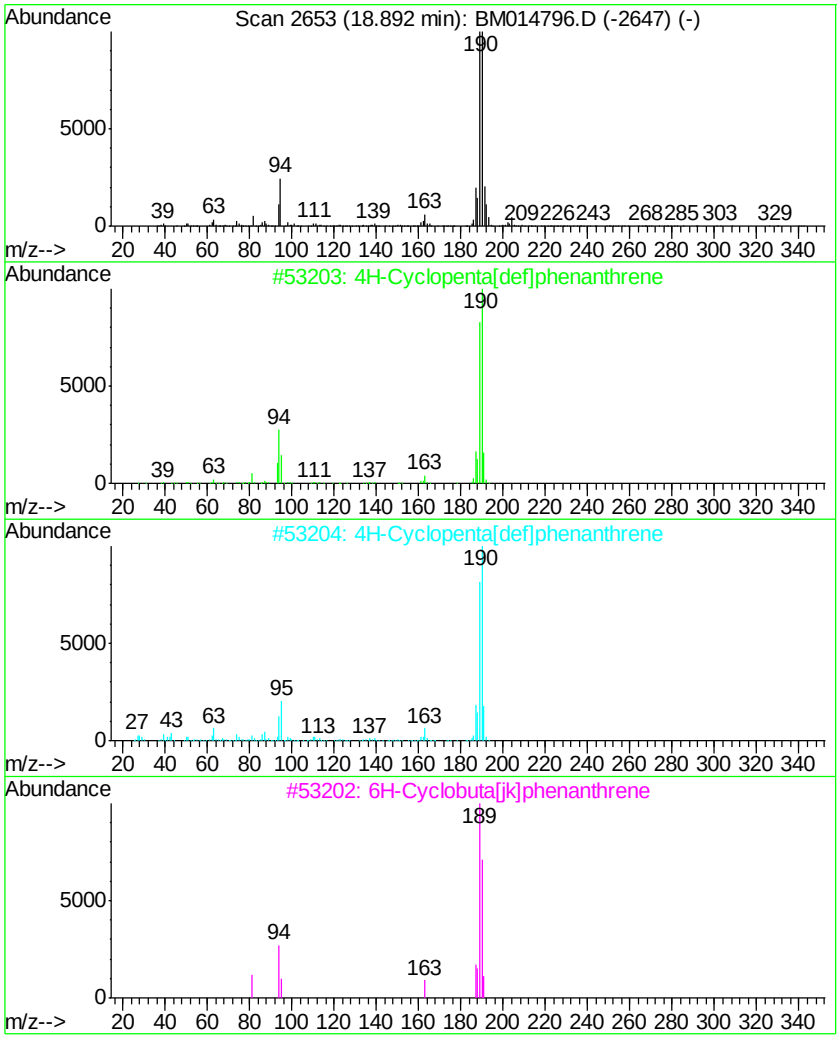
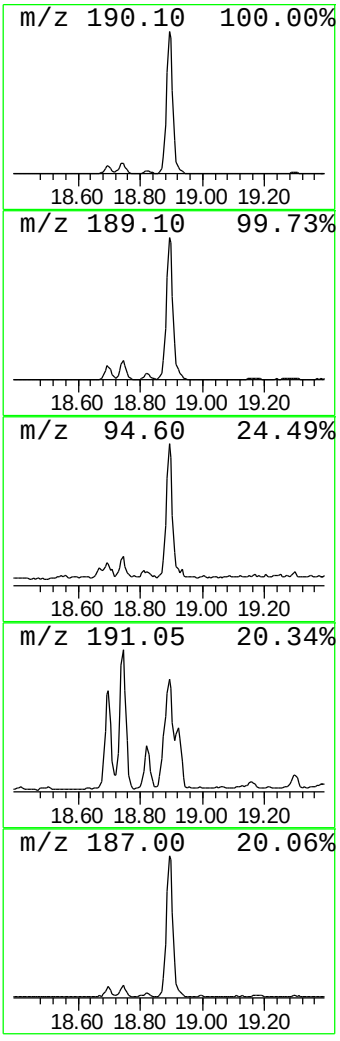
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	11.79 ng/ul	2828420	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	96
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58





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Instrument : BNA_M
ClientSampleId : DASP2

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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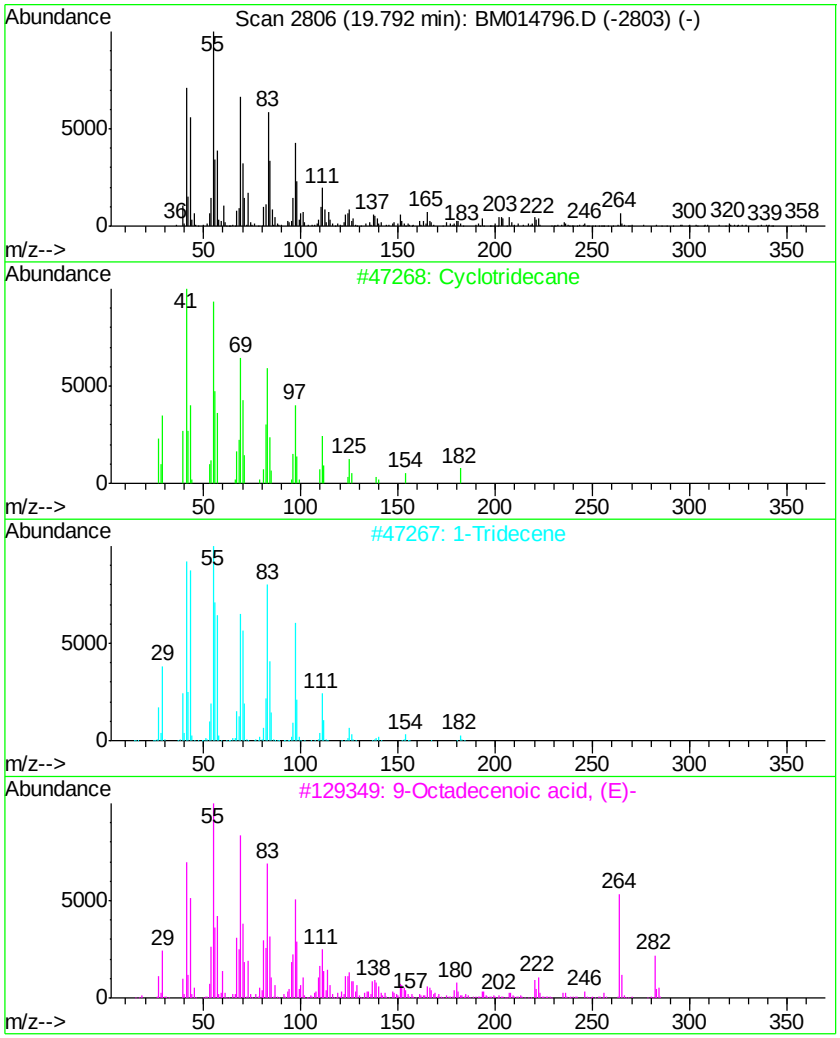
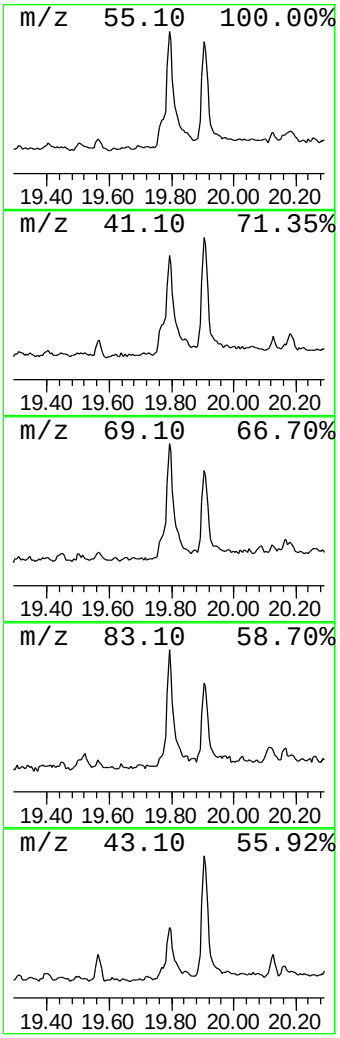
Peak Number 26 (DEL) Alkane: Cyclic19.79 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.08 ng/ul	737905	Phenanthrene-d10	17.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotridecane	182	C13H26	000295-02-3	62
2	1-Tridecene	182	C13H26	002437-56-1	58
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	58
4	Cyclododecanemethanol	198	C13H26O	001892-12-2	52
5	Erucic acid	338	C22H42O2	000112-86-7	52





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ClientSampleId : DASP2

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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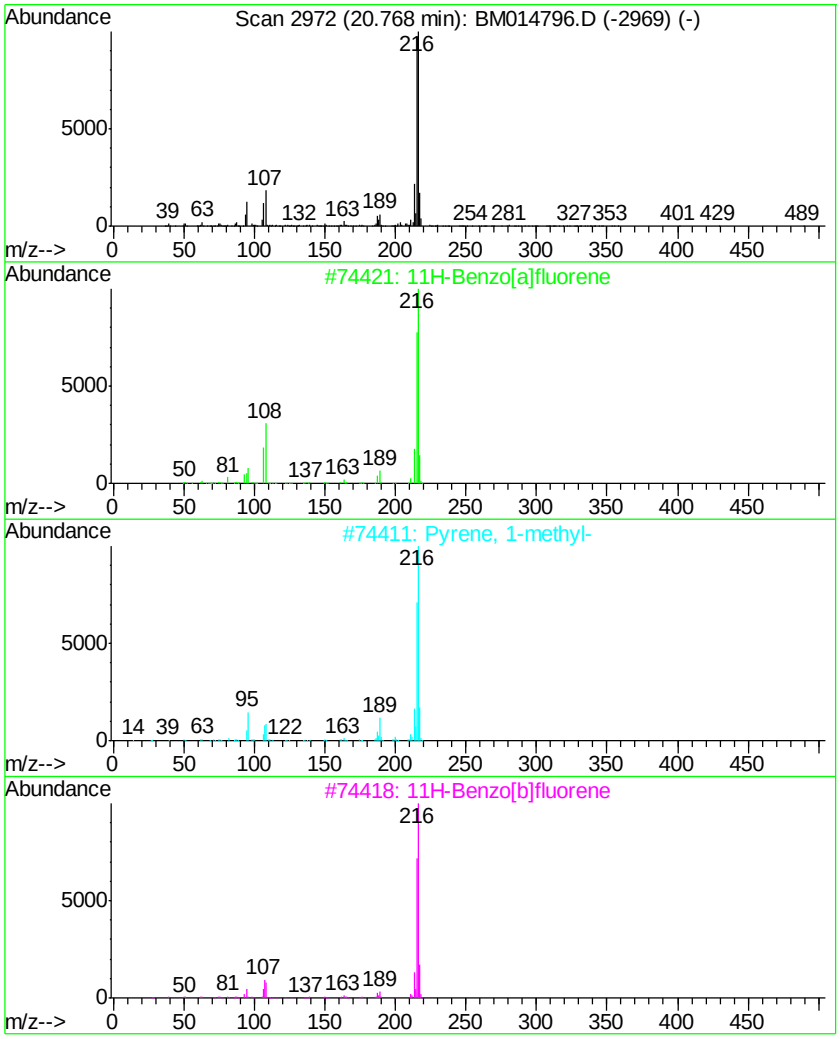
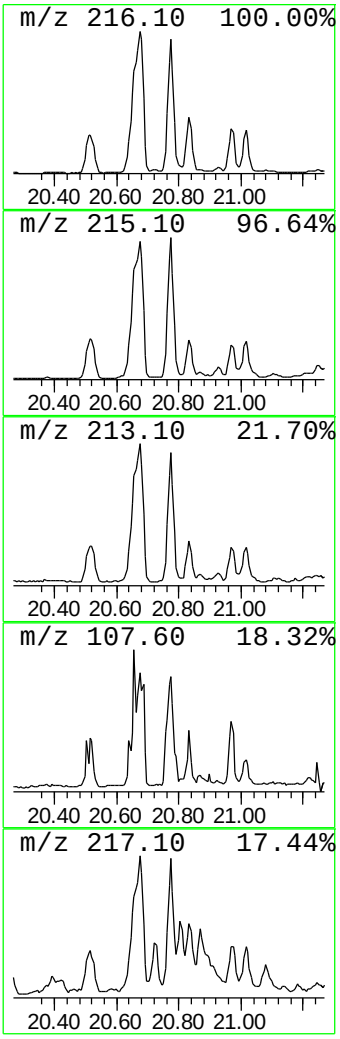
Peak Number 27 11H-Benzo[a]fluorene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	2.27 ng/ul	1094010	Chrysene-d12	21.93

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





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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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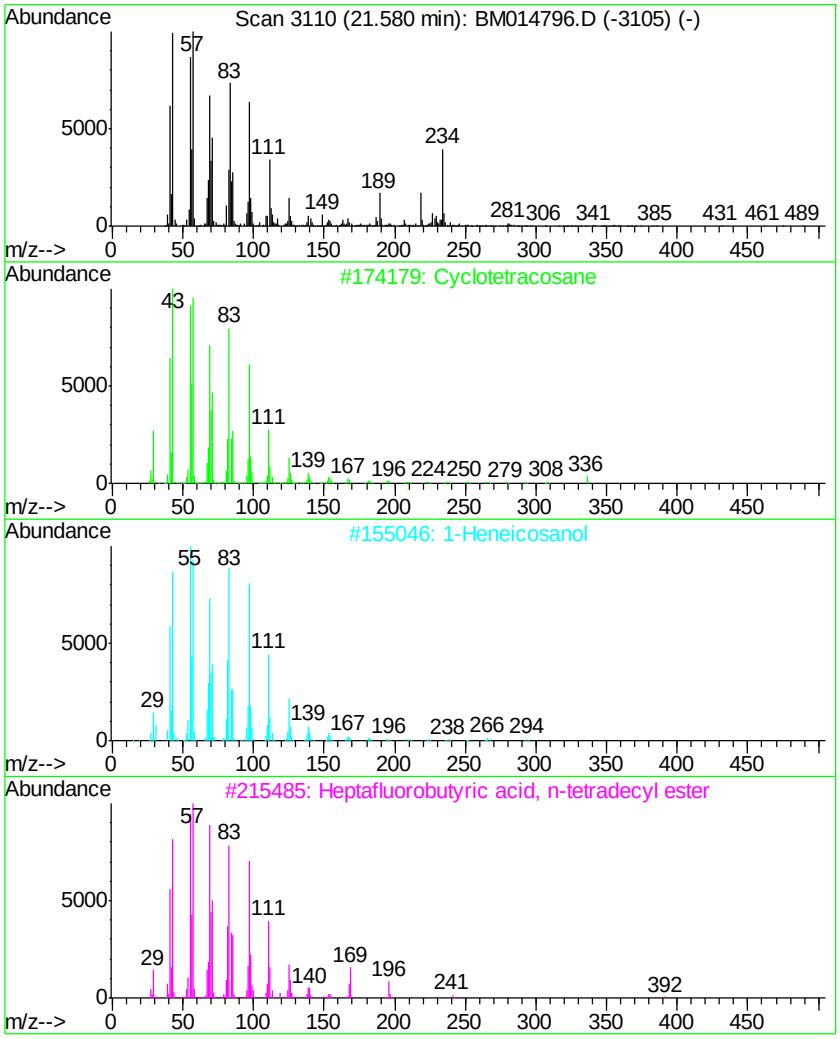
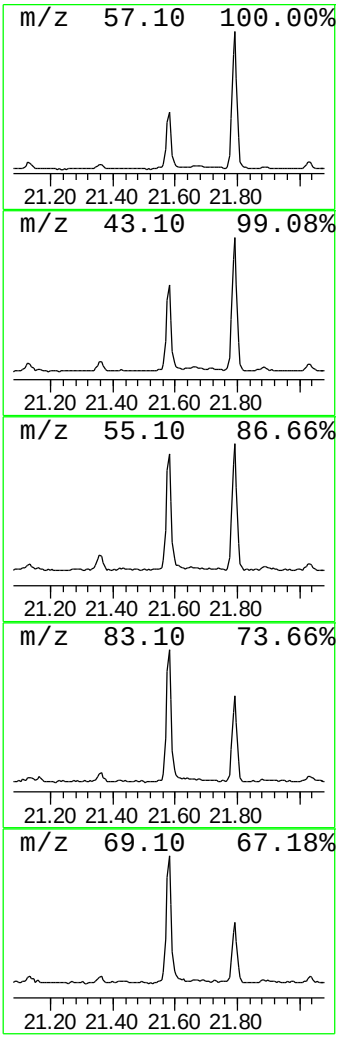
Peak Number 28 (DEL) Alkane: Cyclic21.58 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	6.88 ng/ul	3309810	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	92
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90





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Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : DASP2

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Quant Title : SVOA CALIBRATION

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

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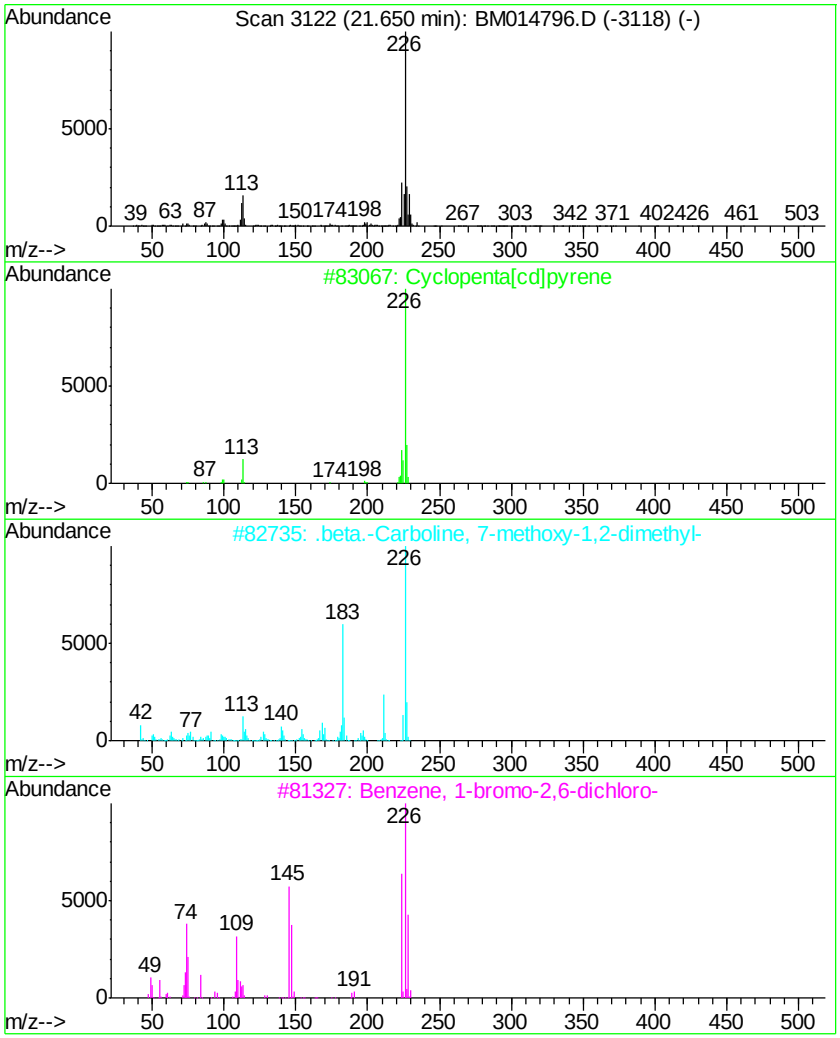
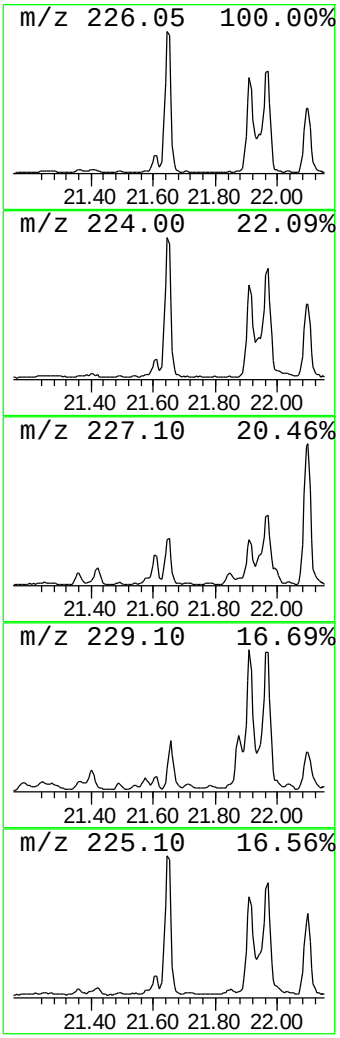
Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.65	2.82 ng/ul	1354650	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	53
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	52
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43





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Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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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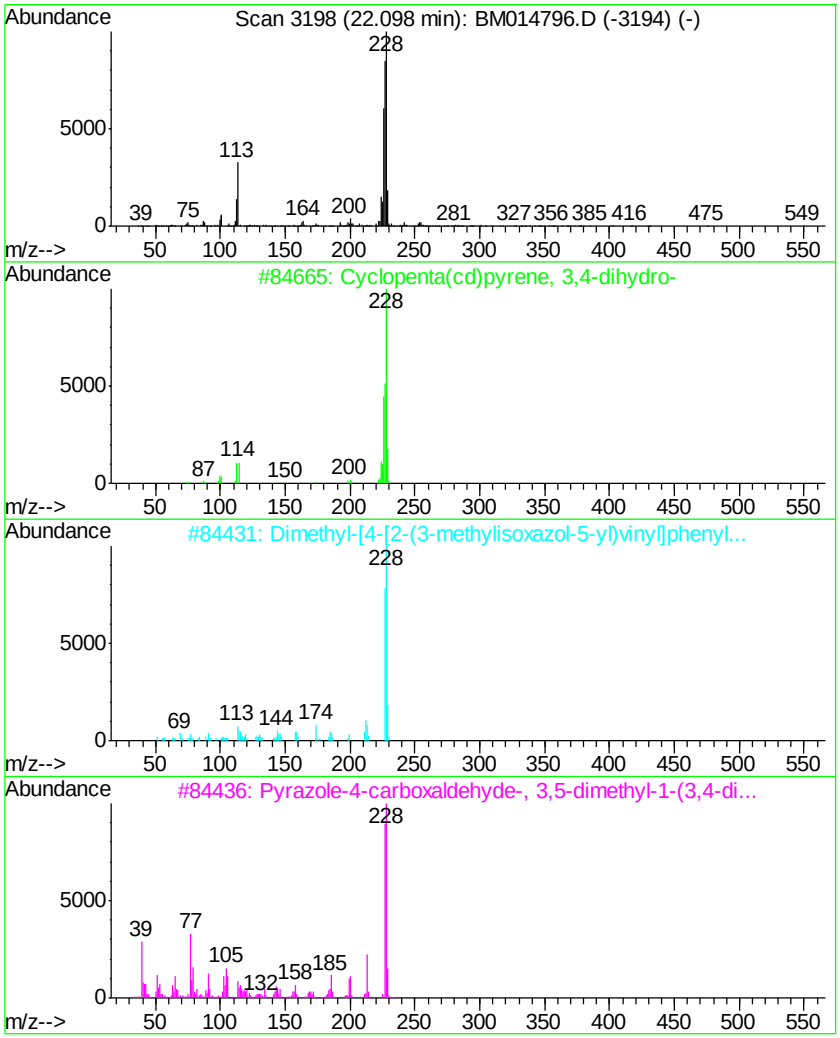
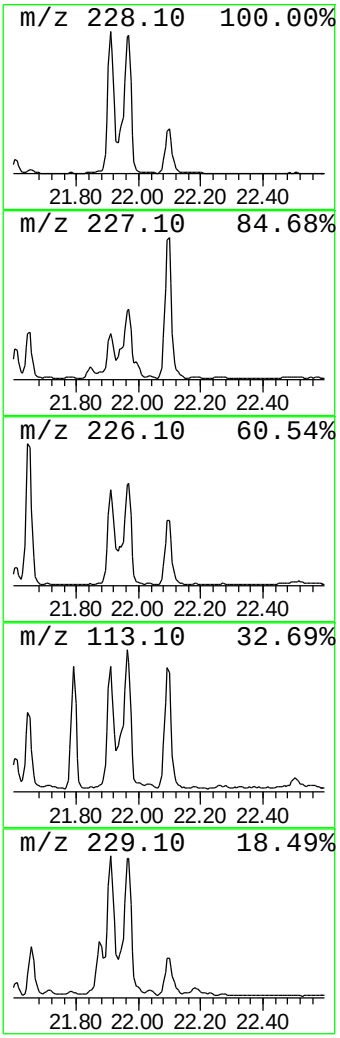
Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.10	3.73 ng/ul	1793830	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43





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ALS Vial : 22 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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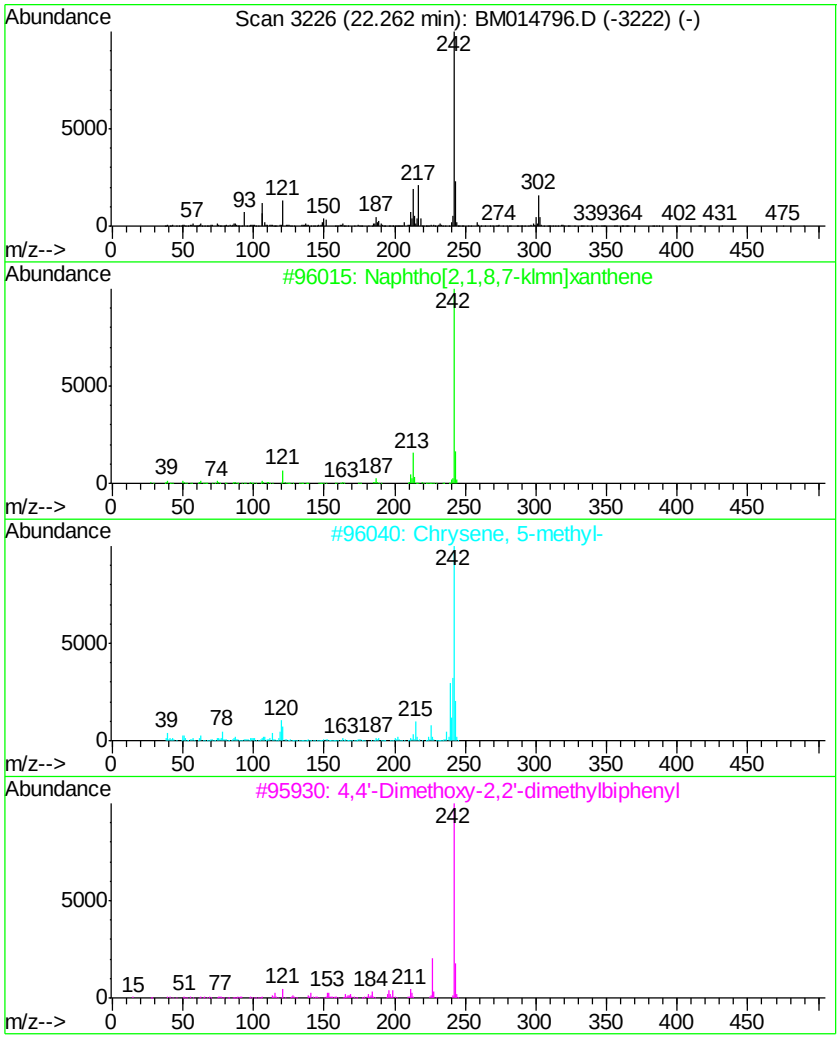
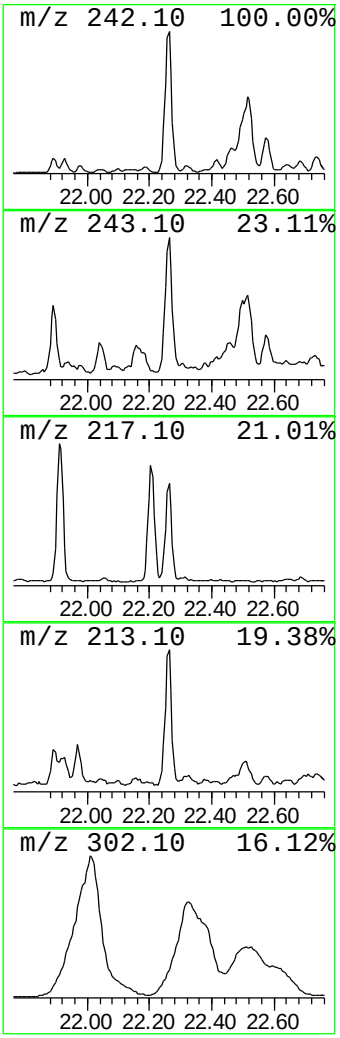
Peak Number 31 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.26	2.86 ng/ul	1374670	Chrysene-d12	21.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	64
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	47
3	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	47
4	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	43
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	43





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Quant Title : SVOA CALIBRATION

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

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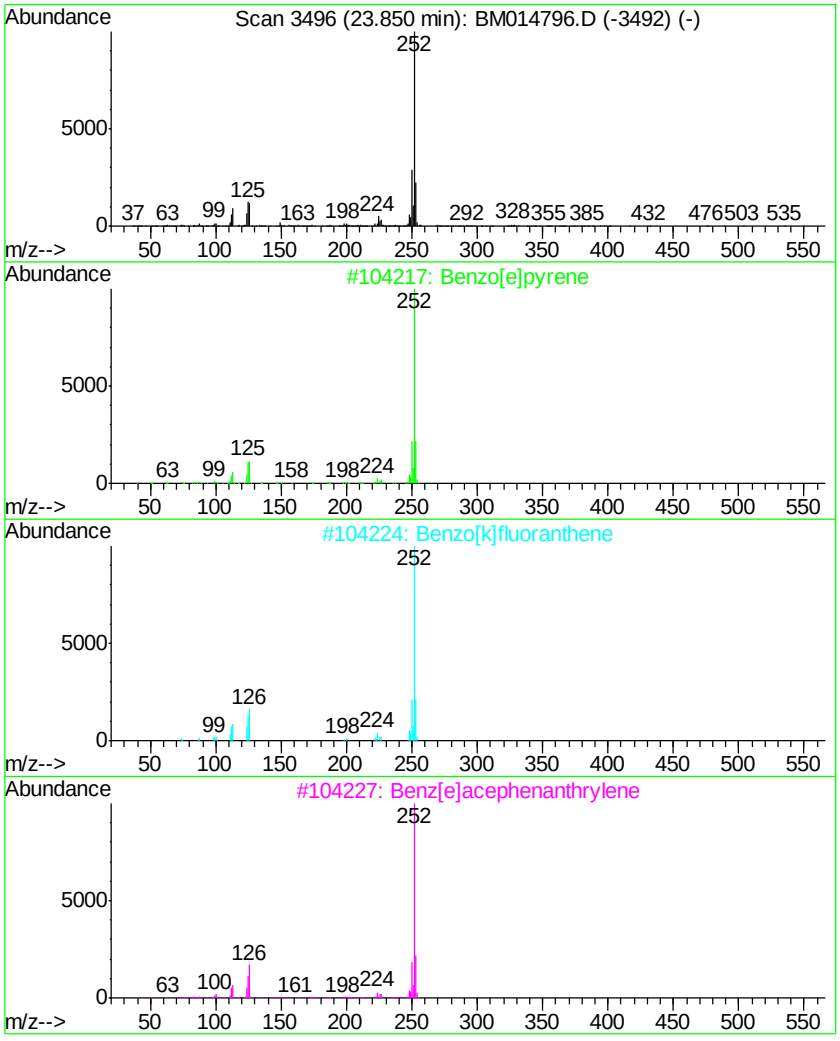
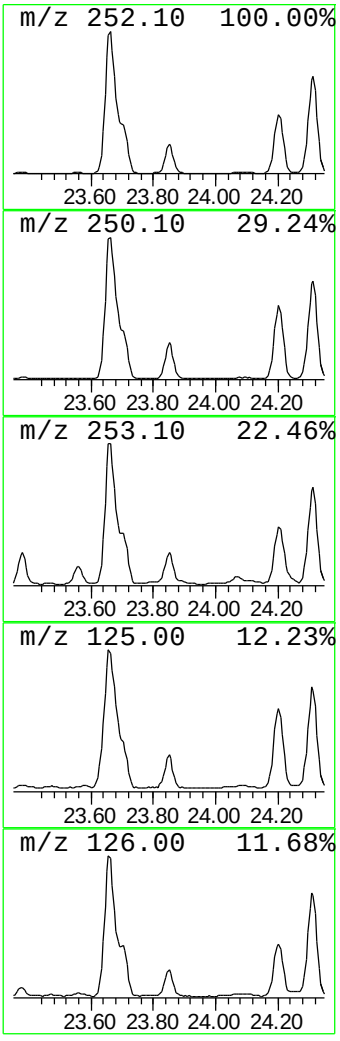
Peak Number 32 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.85	6.32 ng/ul	1479660	Perylene-d12	24.42

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	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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Quant Title : SVOA CALIBRATION

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

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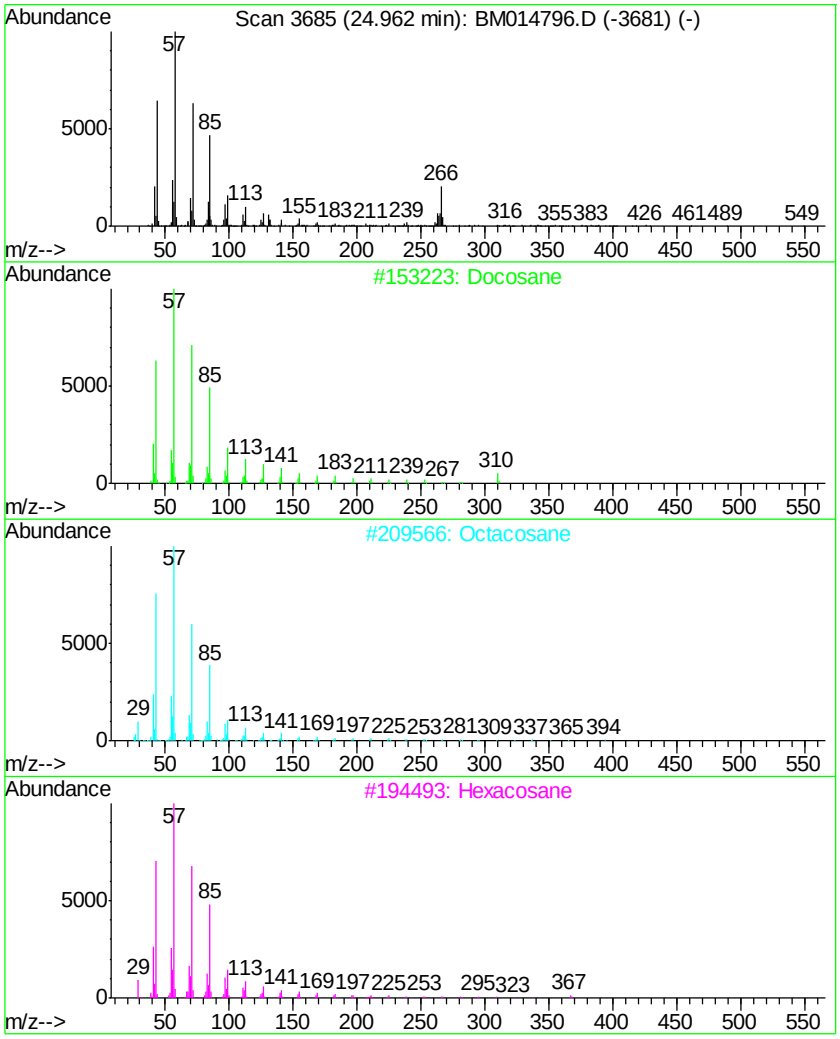
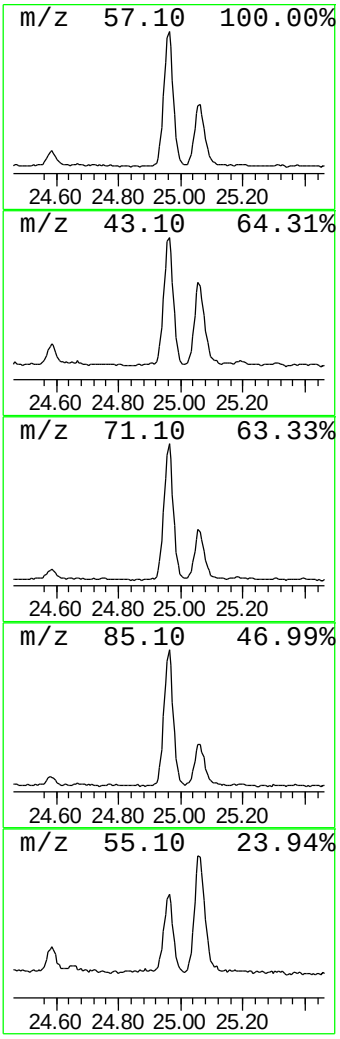
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.96	7.94 ng/ul	1859600	Perylene-d12	24.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Octacosane	394	C28H58	000630-02-4	78
3	Hexacosane	366	C26H54	000630-01-3	70
4	Tetracosane	338	C24H50	000646-31-1	62
5	2-methyloctacosane	408	C29H60	1000376-72-8	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042318\
Data File : BM014796.D
Acq On : 24 Apr 2018 03:17
Operator : SJ/JU
Sample : J2431-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASP2

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
Butane, 2-methoxy...	3.36	4.4	ng/ul	571170	1	8.53	2581290	20.0
Benzene, 1,3-dime...	6.46	3.0	ng/ul	382339	1	8.53	2581290	20.0
unknown-01	7.47	2.1	ng/ul	267189	1	8.53	2581290	20.0
(DEL) Alkane: Cyc...	7.97	2.8	ng/ul	354285	1	8.53	2581290	20.0
(DEL) Alkane: Str...	8.12	2.1	ng/ul	267645	1	8.53	2581290	20.0
Benzene, 1,2,3-tr...	8.16	3.0	ng/ul	384398	1	8.53	2581290	20.0
Benzene, 4-ethyl-...	8.65	4.2	ng/ul	537802	1	8.53	2581290	20.0
unknown-02	9.07	2.1	ng/ul	268242	1	8.53	2581290	20.0
Benzene, 1,3-diet...	9.17	2.1	ng/ul	266447	1	8.53	2581290	20.0
o-Cymene	9.64	3.6	ng/ul	466377	1	8.53	2581290	20.0
Naphthalene, 1-me...	13.20	3.5	ng/ul	610325	2	11.37	3469680	20.0
Naphthalene, 1,7-...	14.31	2.6	ng/ul	531574	3	15.13	4105560	20.0
Naphthalene, 1,6-...	14.45	2.5	ng/ul	502917	3	15.13	4105560	20.0
(DEL) Alkane: Str...	14.98	2.3	ng/ul	473148	3	15.13	4105560	20.0
(DEL) Alkane: Str...	15.92	2.9	ng/ul	602519	3	15.13	4105560	20.0
Dibenzofuran, 4-m...	16.59	2.6	ng/ul	630591	4	17.84	4797580	20.0
(DEL) Alkane: Str...	16.79	3.8	ng/ul	906060	4	17.84	4797580	20.0
Dibenzothiophene	17.66	2.8	ng/ul	672668	4	17.84	4797580	20.0
Acridine	18.03	4.2	ng/ul	1015160	4	17.84	4797580	20.0
n-Hexadecanoic acid	18.67	13.6	ng/ul	3258020	4	17.84	4797580	20.0
4H-Cyclopenta[def...	18.89	11.8	ng/ul	2828420	4	17.84	4797580	20.0
(DEL) Alkane: Cyc...	19.79	3.1	ng/ul	737905	4	17.84	4797580	20.0
11H-Benzo[a]fluorene	20.77	2.3	ng/ul	1094010	5	21.93	9620930	20.0
(DEL) Alkane: Cyc...	21.58	6.9	ng/ul	3309810	5	21.93	9620930	20.0
Cyclopenta[cd]pyrene	21.65	2.8	ng/ul	1354650	5	21.93	9620930	20.0
Cyclopenta(cd)pyr...	22.10	3.7	ng/ul	1793830	5	21.93	9620930	20.0
Naphtho[2,1,8,7-k...	22.26	2.9	ng/ul	1374670	5	21.93	9620930	20.0
Benzo[e]pyrene	23.85	6.3	ng/ul	1479660	6	24.42	4685290	20.0
(DEL) Alkane: Str...	24.96	7.9	ng/ul	1859600	6	24.42	4685290	20.0