LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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	3.340	5	9	29	rVB	2652298	3979099	34.32%	2.048%
2	3.646	57	61	69	rVB	89922	131673	1.14%	0.068%
3	7.622	731	737	747	rBV	1386661	2383510	20.56%	1.226%
4	7.804	762	768	776	rBV	1191640	1888187	16.29%	0.972%
5	8.022	797	805	812	rBV	1513663	2497394	21.54%	1.285%
6	8.504	880	887	898	rVB	1278694	2142233	18.48%	1.102%
7	9.198	999	1005	1013	rBV	1514392	2443051	21.07%	1.257%
8	9.680	1080	1087	1096	rBV	1364374	2385036	20.57%	1.227%
9	10.416	1203	1212	1221	rBV	1081537	1905028	16.43%	0.980%
10	10.951	1296	1303	1311	rVB	1741381	2875260	24.80%	1.480%
11	11.345	1362	1370	1376	rBV	1724540	2991546	25.80%	1.539%
12	11.398	1376	1379	1384	rVV	129894	197391	1.70%	0.102%
13	11.469	1384	1391	1406	rVB	1347558	2315732	19.97%	1.192%
14	12.968	1640	1646	1652	rBV	138449	213912	1.84%	0.110%
15	13.186	1676	1683	1689	rBV	127403	200072	1.73%	0.103%
16	14.433	1888	1895	1899	rBV	110705	197047	1.70%	0.101%
17	14.498	1899	1906	1910	rVV	2719515	3801315	32.79%	1.956%
18	14.545	1910	1914	1920	rVB	717719	1048489	9.04%	0.540%
19	14.810	1952	1959	1970	rBV	3105324	5320159	45.88%	2.738%
20	14.957	1980	1984	1990	rVB	201365	274247	2.37%	0.141%
21	15.110	2003	2010	2016	rVB2	2284137	3479015	30.01%	1.790%
22	15.168	2016	2020	2026	rVB	137409	209864	1.81%	0.108%
23	15.262	2026	2036	2050	rBV	988287	1544528	13.32%	0.795%
24	15.492	2071	2075	2081	rVB2	141699	252225	2.18%	0.130%
25	15.562	2081	2087	2095	rBV3	88147	139320	1.20%	0.072%
26	15.704	2105	2111	2117	rBV4	65218	138825	1.20%	0.071%
27	15.857	2132	2137	2140	rBV	118495	197337	1.70%	0.102%
28	15.898	2140	2144	2149	rVB	254282	360522	3.11%	0.186%
29	16.086	2170	2176	2181	rBV	3779247	5559834	47.95%	2.861%
30	16.139	2181	2185	2188	rVV2	148335	242972	2.10%	0.125%
31	16.186	2188	2193	2199	rVB	952733	1332878	11.50%	0.686%
32	16.421	2230	2233	2240	rVB2	101122	160793	1.39%	0.083%
33	16.568	2253	2258	2266	rVB	119807	239813	2.07%	0.123%
34	16.745	2284	2288	2291	rBV	211342	324705	2.80%	0.167%

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Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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	17.345	2383	2390	2394	rBV6	110942	225428	1.94%	0.116%
36	17.474	2408	2412	2417	rVB	150517	222178	1.92%	0.114%
37	17.533	2418	2422	2428	rBV2	209364	348478	3.01%	0.179%
38	17.645	2436	2441	2442	rBV	129628	168837	1.46%	0.087%
39	17.821	2465	2471	2474	rVV	2700797	3876995	33.44%	1.995%
40	17.862	2474	2478	2483	rVV	3097006	4462364	38.49%	2.296%
41	17.915	2483	2487	2492	rVV	3893560	6055083	52.22%	3.116%
42	17.950	2492	2493	2498	rVV	672006	673508	5.81%	0.347%
43	18.003	2500	2502	2508	rVB	109712	151701	1.31%	0.078%
44	18.209	2531	2537	2542	rBV2	353274	584368	5.04%	0.301%
45	18.262	2543	2546	2550	rVV2	110744	136146	1.17%	0.070%
46	18.433	2572	2575	2580	rVB	131805	172407	1.49%	0.089%
47	18.539	2587	2593	2598	rVB5	139622	259751	2.24%	0.134%
48	18.650	2607	2612	2615	rBV	1581539	2110139	18.20%	1.086%
49	18.721	2620	2624	2630	rVB	703218	1059852	9.14%	0.545%
50	18.803	2634	2638	2642	rVB	192984	257781	2.22%	0.133%
51	18.874	2643	2650	2653	rBV2	669364	1324213	11.42%	0.681%
52	18.903	2653	2655	2658	rVB	301780	312458	2.69%	0.161%
53	19.156	2694	2698	2702	rBV	373402	457394	3.94%	0.235%
54	19.203	2702	2706	2716	rVB	601071	824942	7.11%	0.424%
55	19.397	2735	2739	2742	rBV2	121083	165035	1.42%	0.085%
56	19.445	2744	2747	2750	rVB	130726	146076	1.26%	0.075%
57	19.486	2750	2754	2758	rVB2	128785	172928	1.49%	0.089%
58	19.562	2761	2767	2772	rBV3	353474	714185	6.16%	0.367%
59	19.633	2773	2779	2781	rBV3	120284	251777	2.17%	0.130%
60	19.703	2787	2791	2797	rBV2	338779	566212	4.88%	0.291%
61	19.827	2806	2812	2818	rVB	7424456	10117154	87.26%	5.206%
62	19.886	2818	2822	2826	rBV2	650270	966835	8.34%	0.498%
63	19.974	2833	2837	2840	rBV	193051	257397	2.22%	0.132%
64	20.156	2862	2868	2871	rBV2	5380640	8910034	76.85%	4.585%
65	20.186	2871	2873	2879	rVV	6376271	7252613	62.55%	3.732%
66	20.244	2879	2883	2889	rVB2	397727	539810	4.66%	0.278%
67	20.350	2898	2901	2906	rVB	410589	535998	4.62%	0.276%
68	20.415	2909	2912	2918	rVB	347110	507178	4.37%	0.261%
69	20.497	2919	2926	2931	rBV2	498617	1223206	10.55%	0.629%
70	20.603	2940	2944	2946	rBV2	602235	797439	6.88%	0.410%
71	20.662	2950	2954	2958	rVB	869082	1265903	10.92%	0.651%

LSC Area Percent Report

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Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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

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

72	20.756	2966	2970	2973	rBV3	499060	630121	5.43%	0.324%
73	20.815	2973	2980	2984	rVB2	538947	1045807	9.02%	0.538%
74	20.886	2989	2992	2998	rBV3	143974	250678	2.16%	0.129%
75	20.956	3000	3004	3008	rVV	376557	565178	4.87%	0.291%
76	20.997	3008	3011	3019	rVB2	363120	583942	5.04%	0.300%
77	21.386	3073	3077	3084	rBV	767809	1077047	9.29%	0.554%
78	21.562	3099	3107	3111	rBV3	2860410	4465174	38.51%	2.298%
79	21.633	3115	3119	3123	rVV2	880000	1375079	11.86%	0.708%
80	21.680	3123	3127	3136	rVB2	872934	1325607	11.43%	0.682%
81	21.862	3155	3158	3159	rBV	241239	274504	2.37%	0.141%
82	21.897	3159	3164	3170	rVV2	5172535	11594559	100.00%	5.966%
83	21.950	3170	3173	3178	rVB	3499738	4502011	38.83%	2.317%
84	22.080	3191	3195	3199	rBV	422186	666272	5.75%	0.343%
85	22.244	3219	3223	3228	rBV	555207	791143	6.82%	0.407%
86	22.485	3260	3264	3272	rVB3	1420275	2936710	25.33%	1.511%
87	23.250	3391	3394	3404	rVB	724241	1055509	9.10%	0.543%
88	23.562	3442	3447	3451	rVB	1638751	2538763	21.90%	1.306%
89	23.632	3451	3459	3465	rBV2	3274924	9844159	84.90%	5.065%
90	23.827	3488	3492	3503	rVB	630584	1296729	11.18%	0.667%
91	24.179	3546	3552	3556	rBV	1821250	3832961	33.06%	1.972%
92	24.238	3556	3562	3566	rVV	3346530	6998332	60.36%	3.601%
93	24.285	3566	3570	3578	rVB	2880385	5382319	46.42%	2.770%
94	24.397	3582	3589	3594	rBV	2185254	4530267	39.07%	2.331%
95	24.556	3611	3616	3628	rVB3	1247812	2452477	21.15%	1.262%
96	24.879	3667	3671	3675	rBV	597329	1170615	10.10%	0.602%
97	24.932	3676	3680	3688	rVB	1243403	2433859	20.99%	1.252%
98	25.026	3693	3696	3708	rVB3	699890	1421645	12.26%	0.732%
99	26.303	3908	3913	3930	rVB4	815448	2193743	18.92%	1.129%
100	26.962	4017	4025	4038	rVB	1831702	5655753	48.78%	2.910%

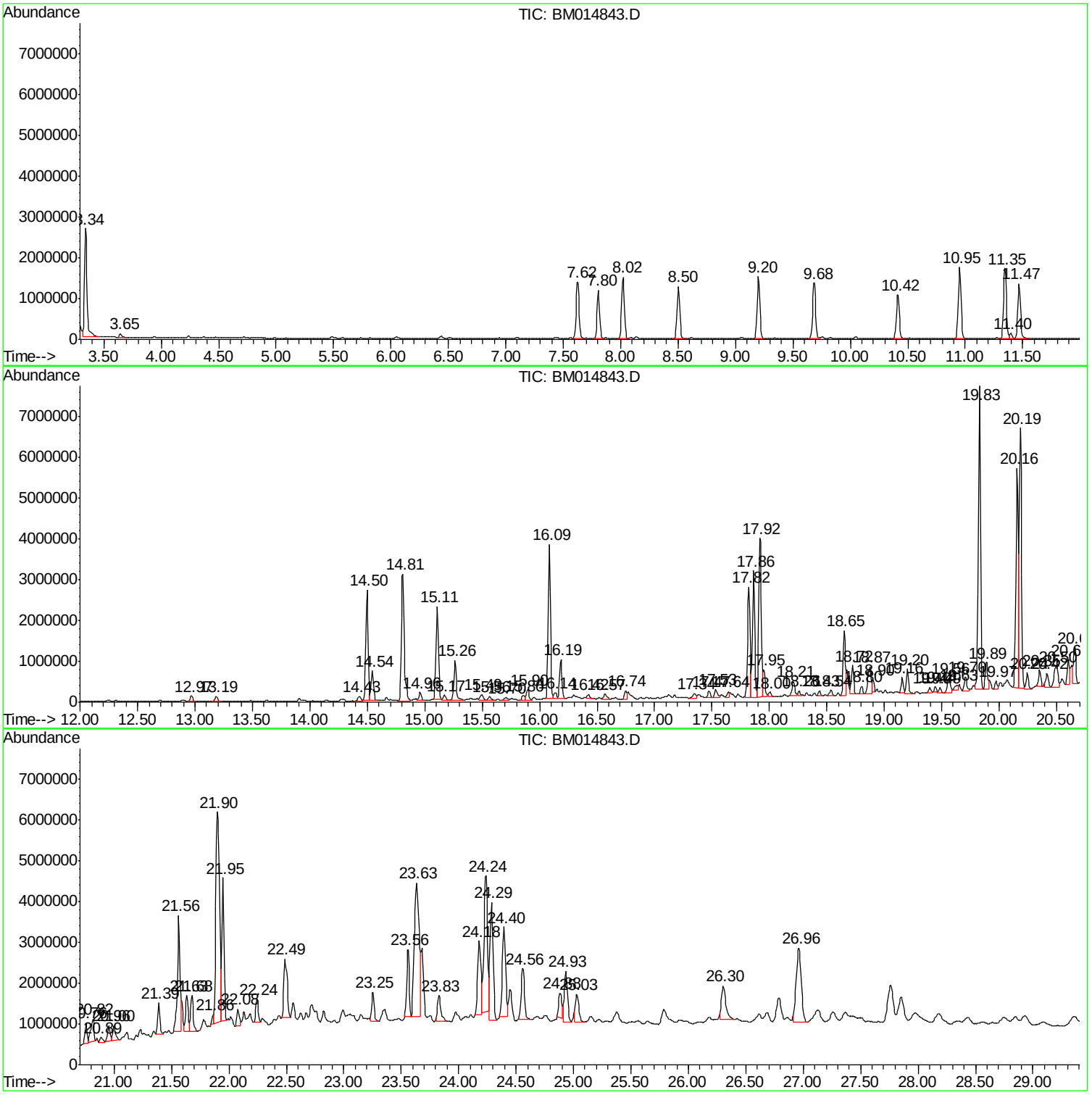
Sum of corrected areas: 194337778

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE0

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

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Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
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Misc :
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Instrument : BNA_M
ClientSampleId : C0AE0

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

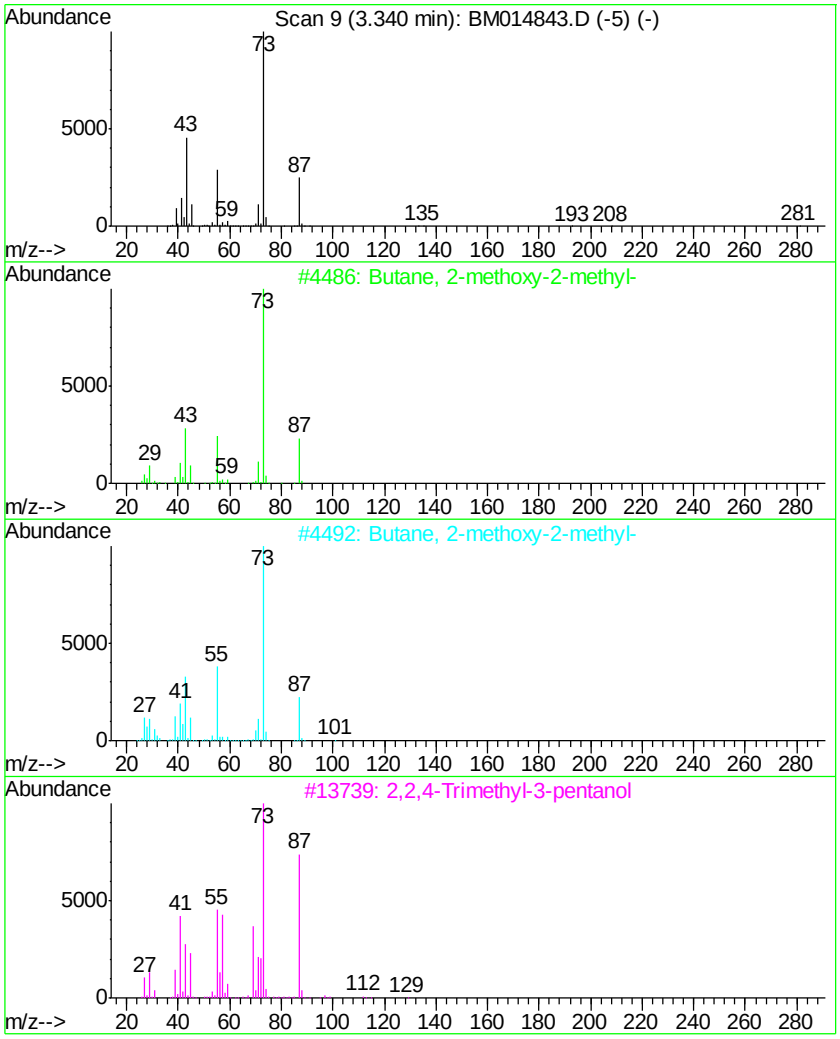
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

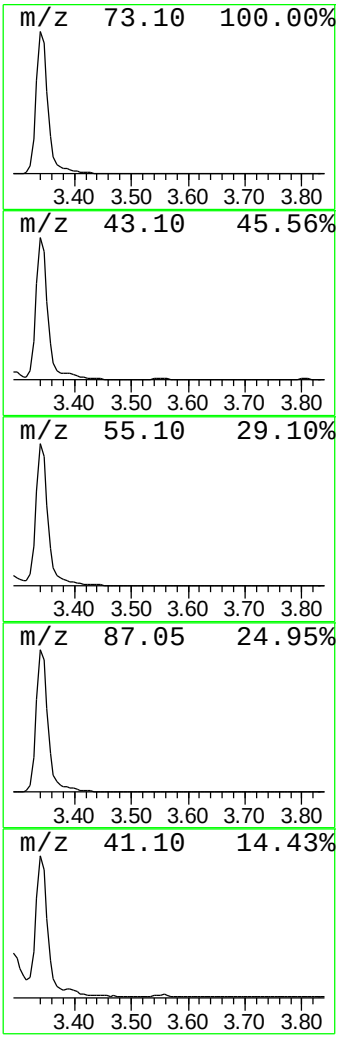
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.34	37.15 ng/ul	3979100	1,4-Dichlorobenzene-d4	8.50

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	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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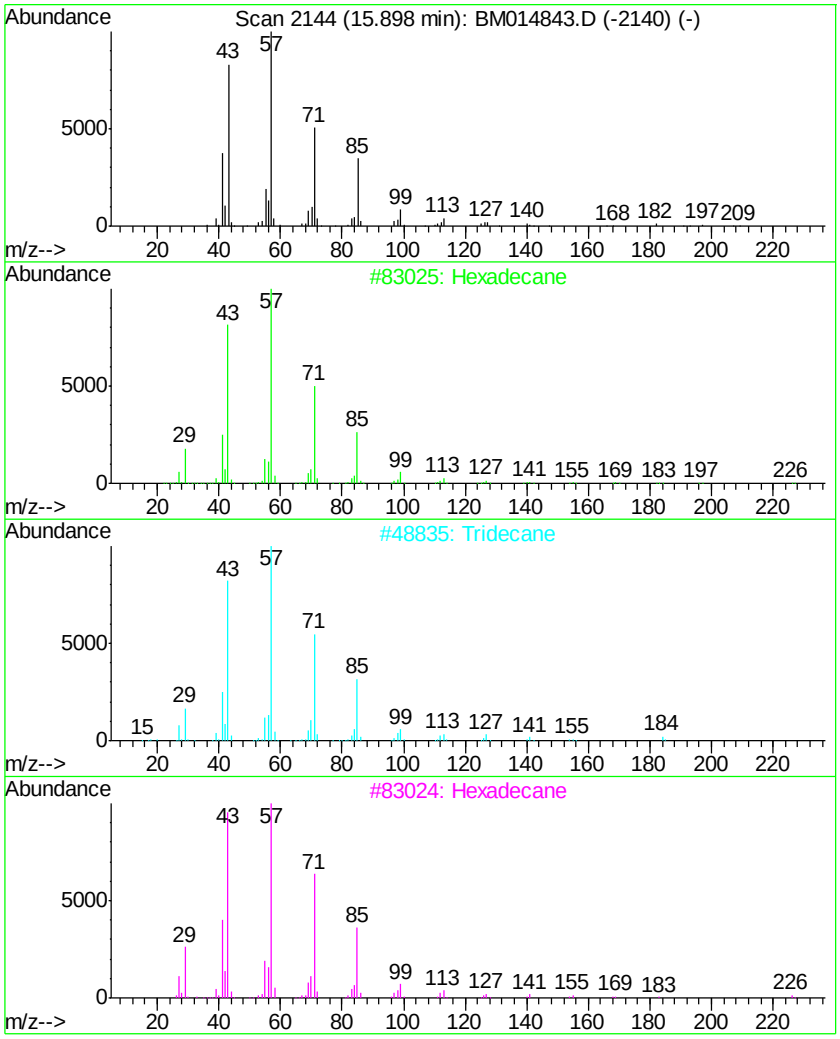
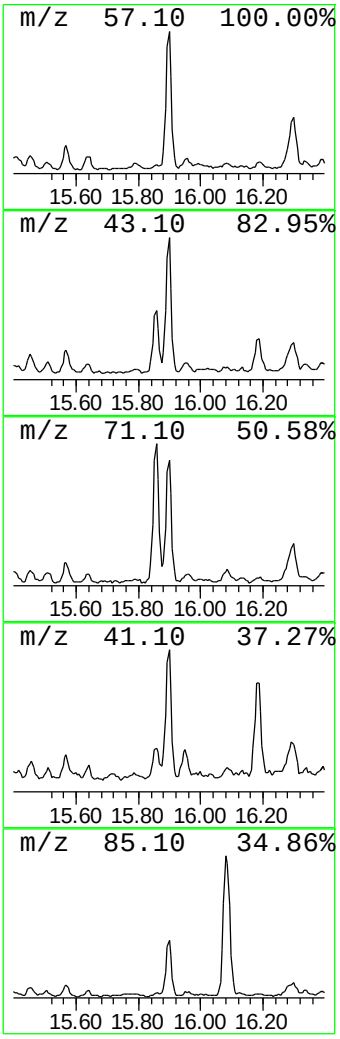
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.07 ng/ul	360522	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Pentadecane	212	C15H32	000629-62-9	83
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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

TIC Library : C:\DATABASE\NIST11.L
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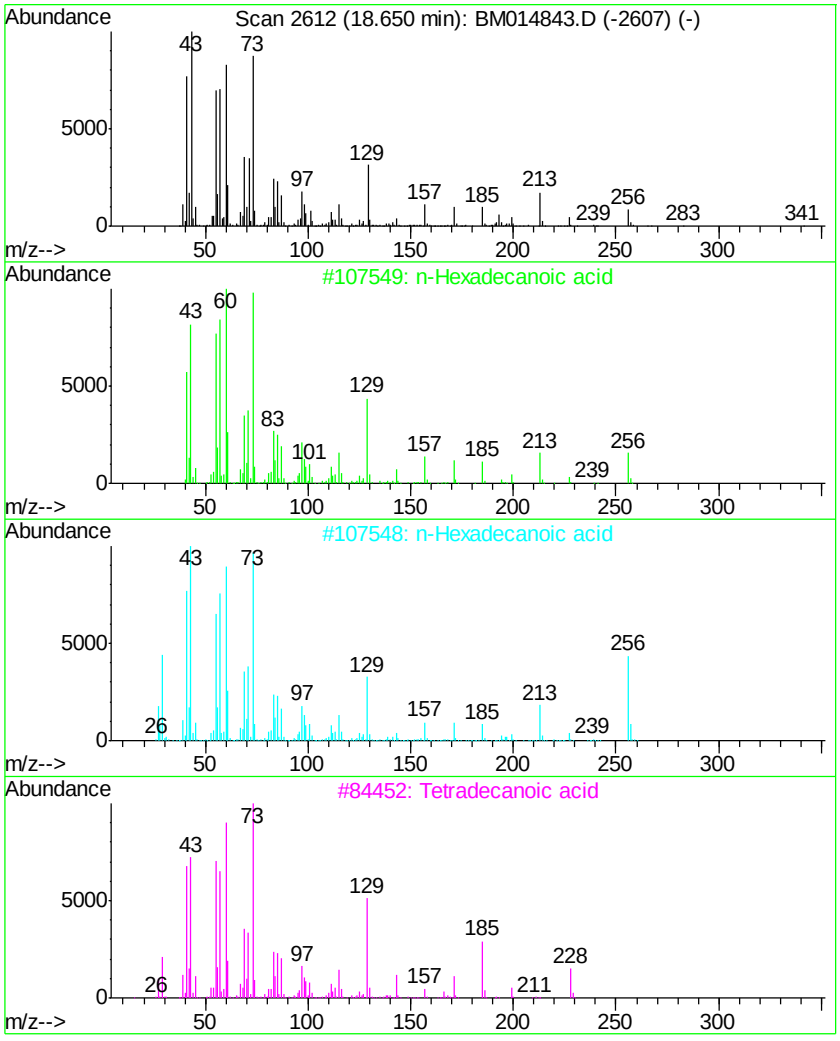
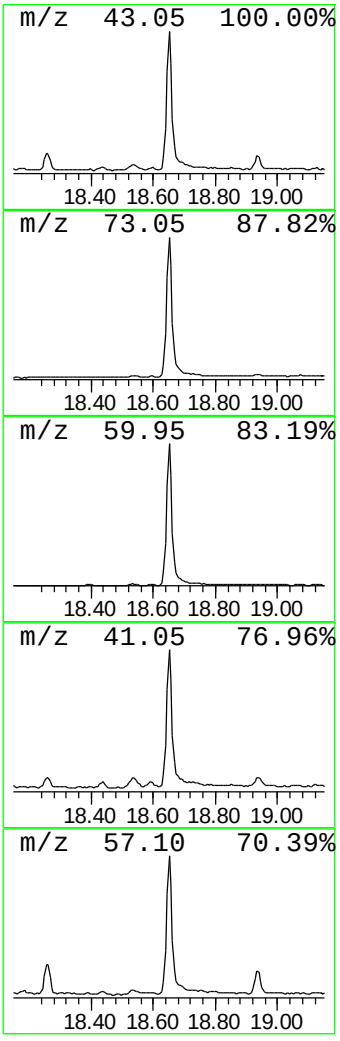
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	10.89 ng/ul	2110140	Phenanthrene-d10	17.82

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	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Octadecanoic acid	284	C18H36O2	000057-11-4	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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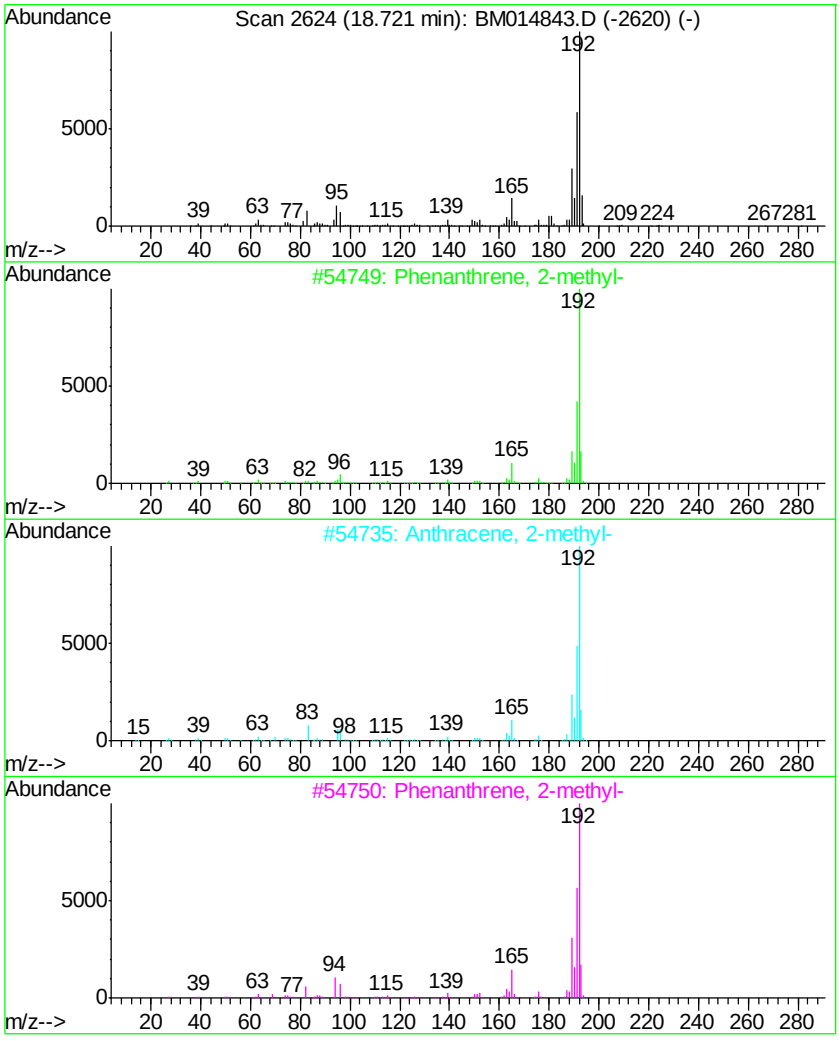
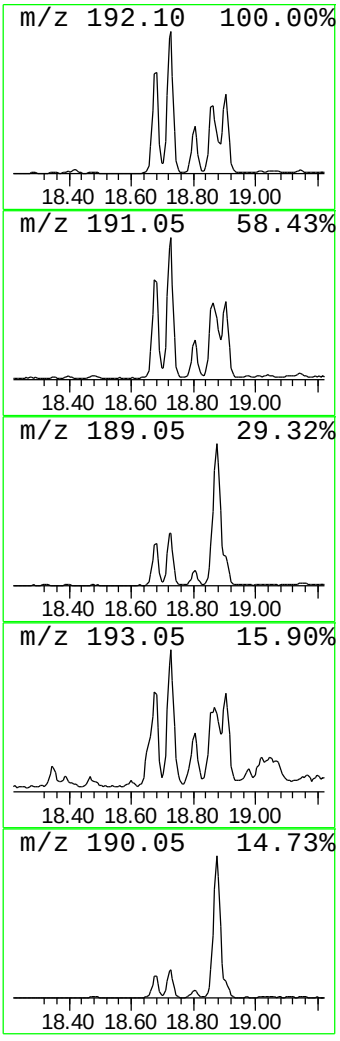
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.47 ng/ul	1059850	Phenanthrene-d10	17.82

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





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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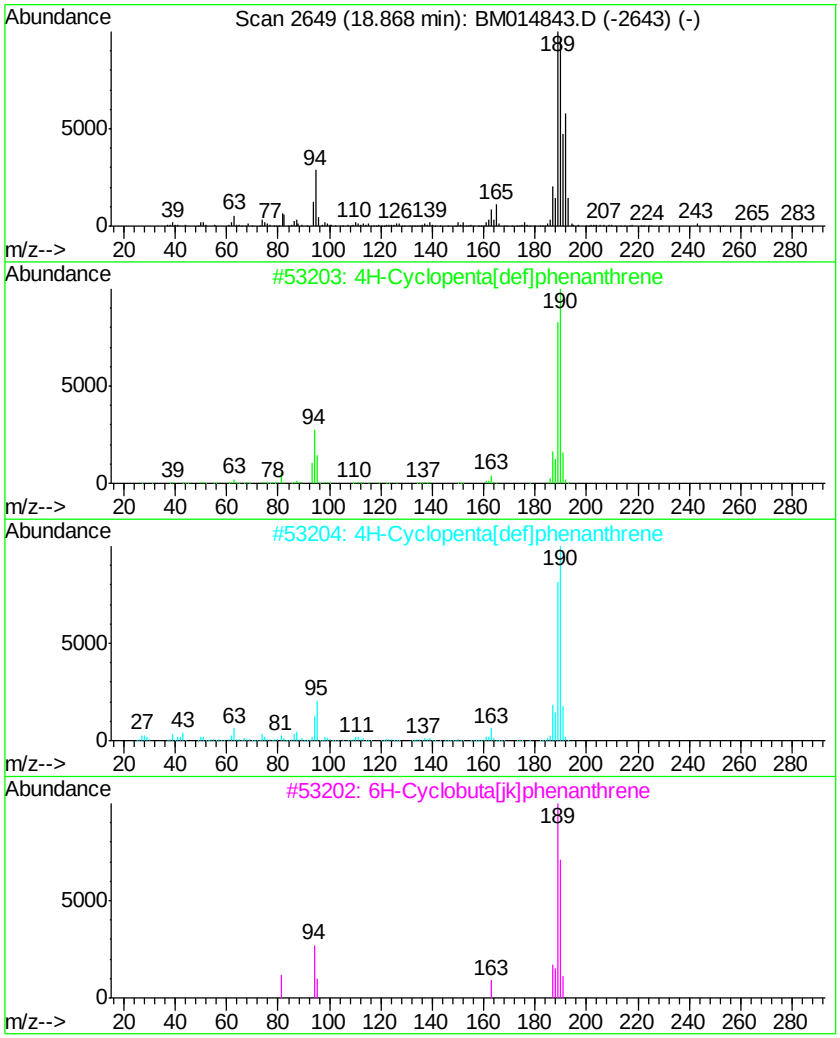
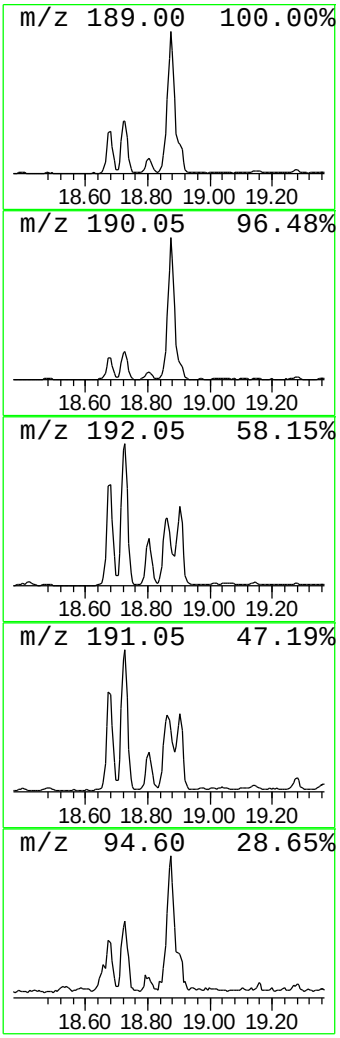
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	6.83 ng/ul	1324210	Phenanthrene-d10	17.82

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	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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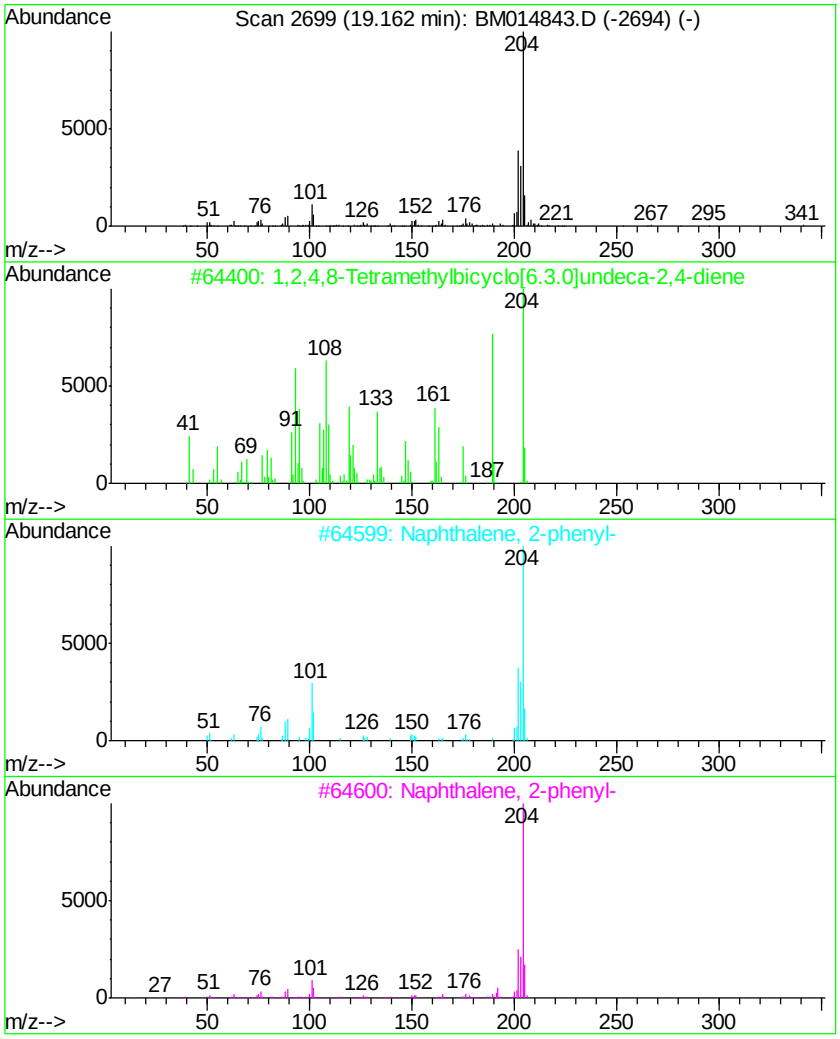
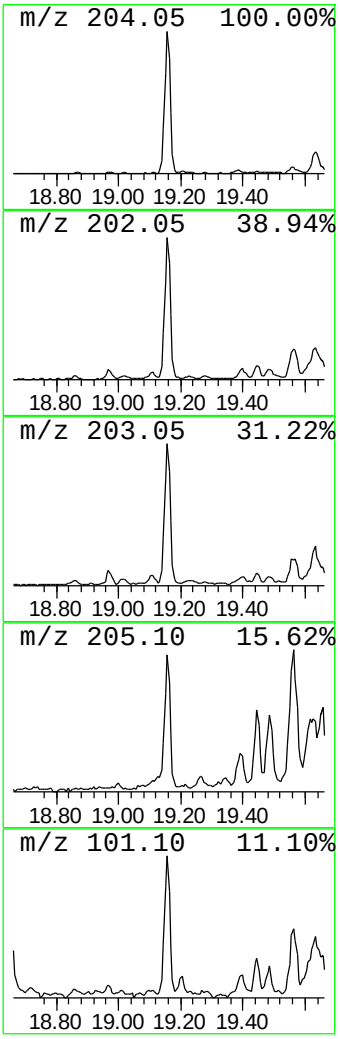
Peak Number 6 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	2.36 ng/ul	457394	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	90
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78





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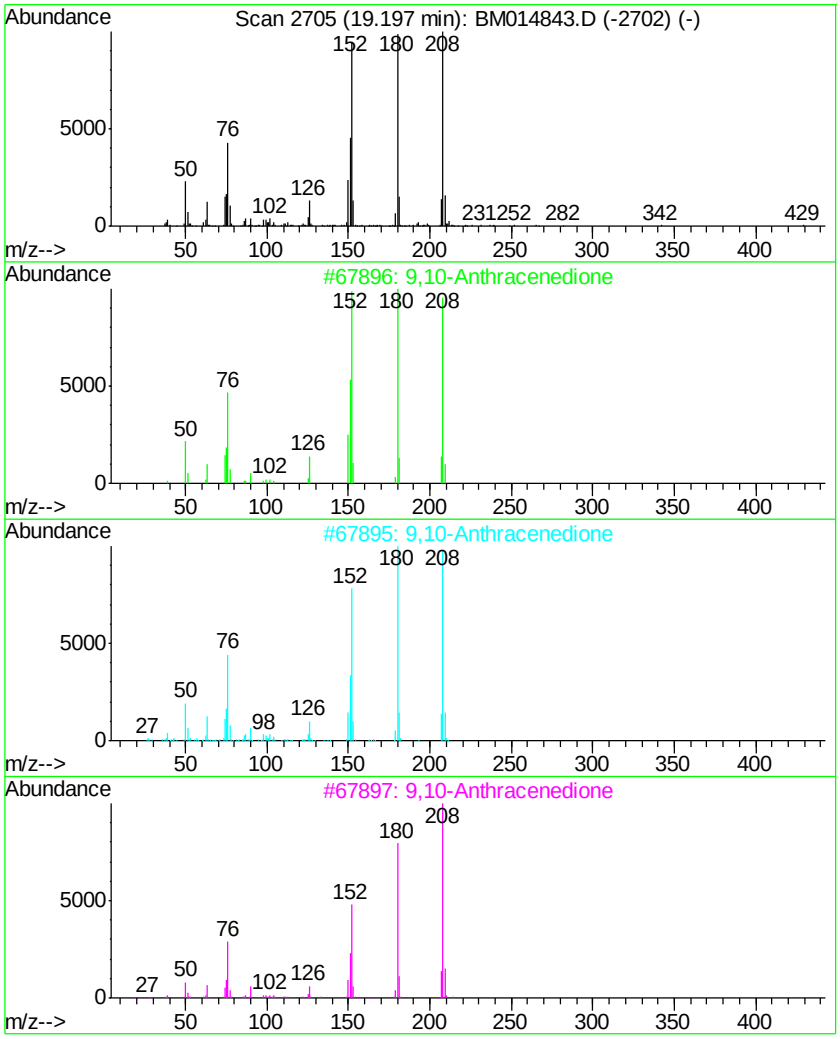
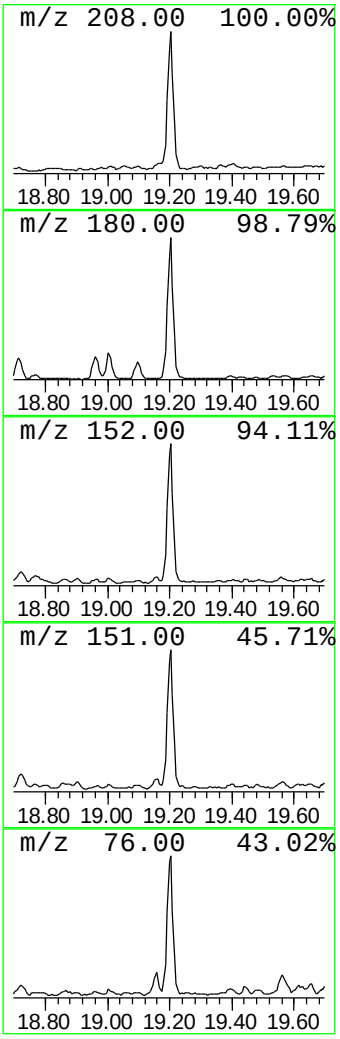
Peak Number 7 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	4.26 ng/ul	824942	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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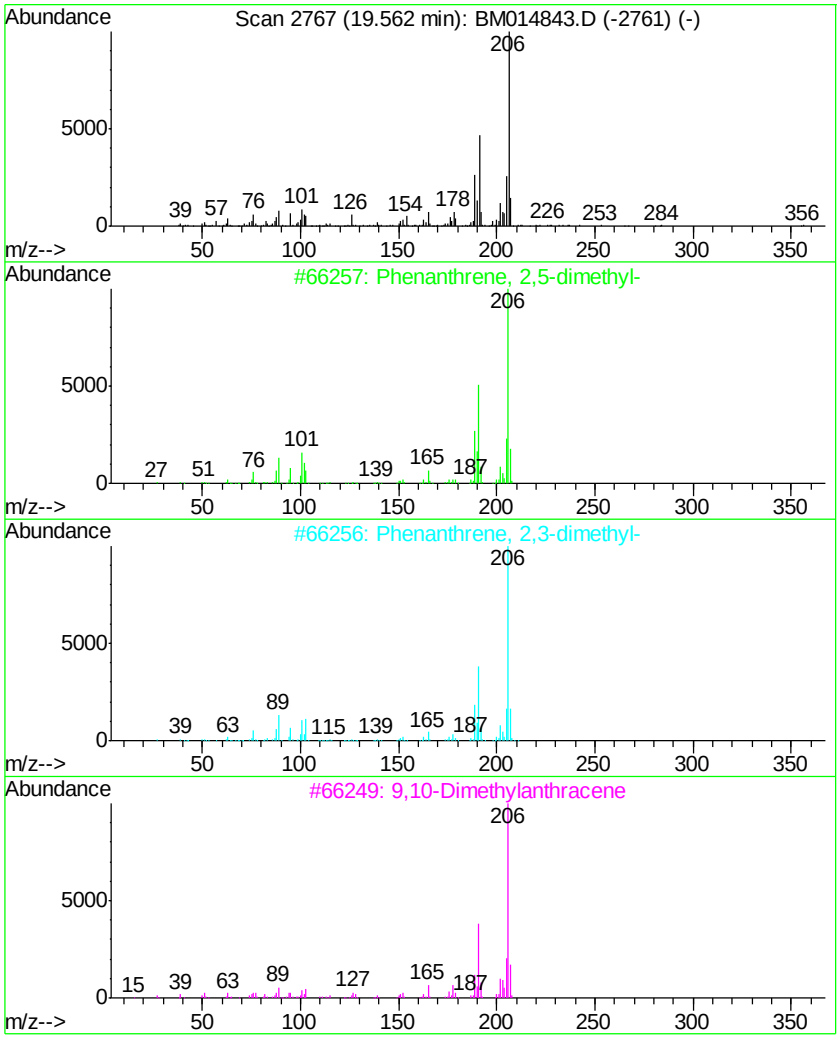
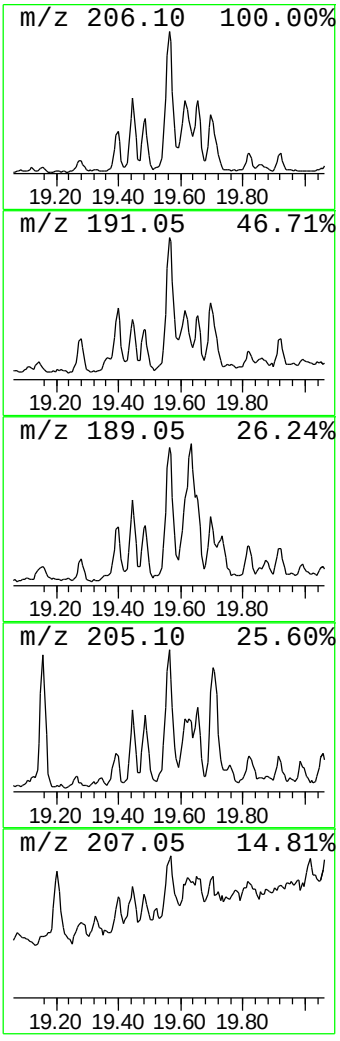
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	3.68 ng/ul	714185	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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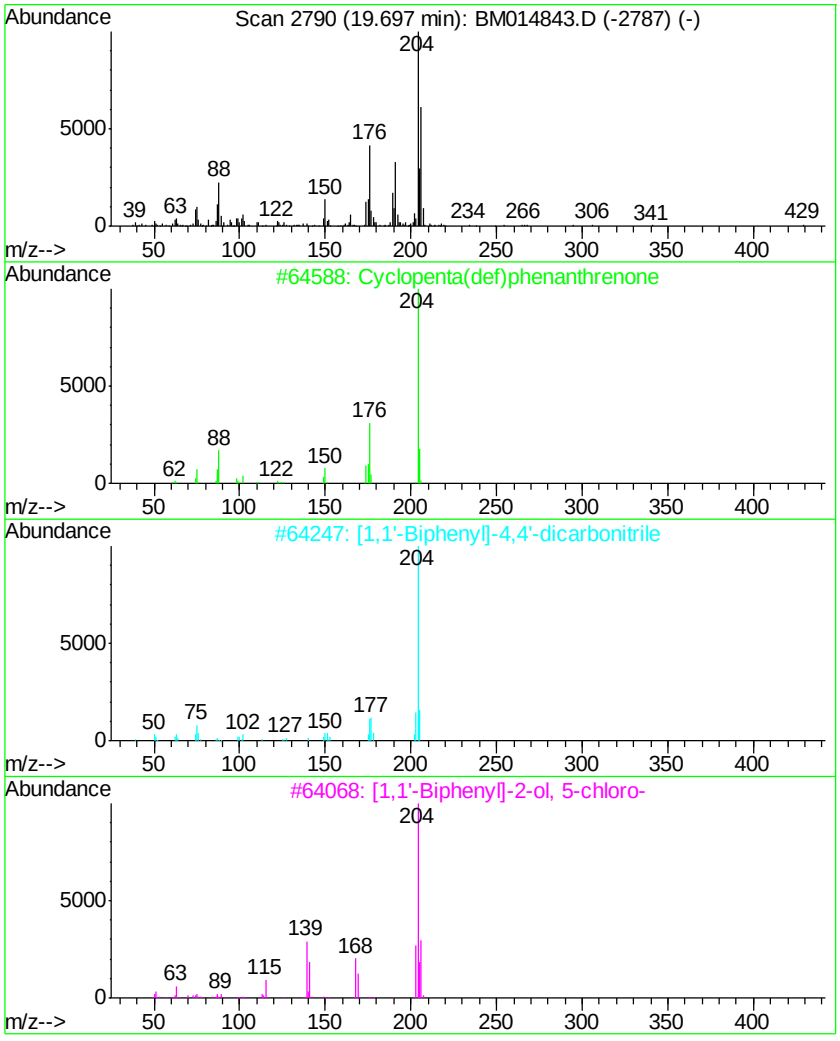
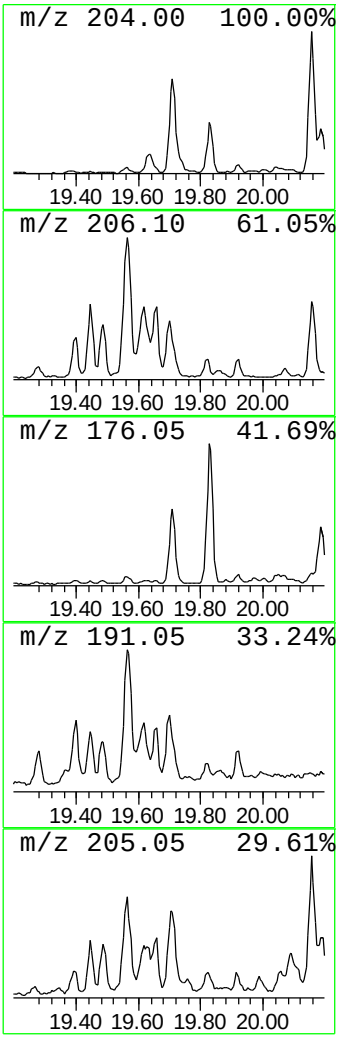
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.92 ng/ul	566212	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Misc :
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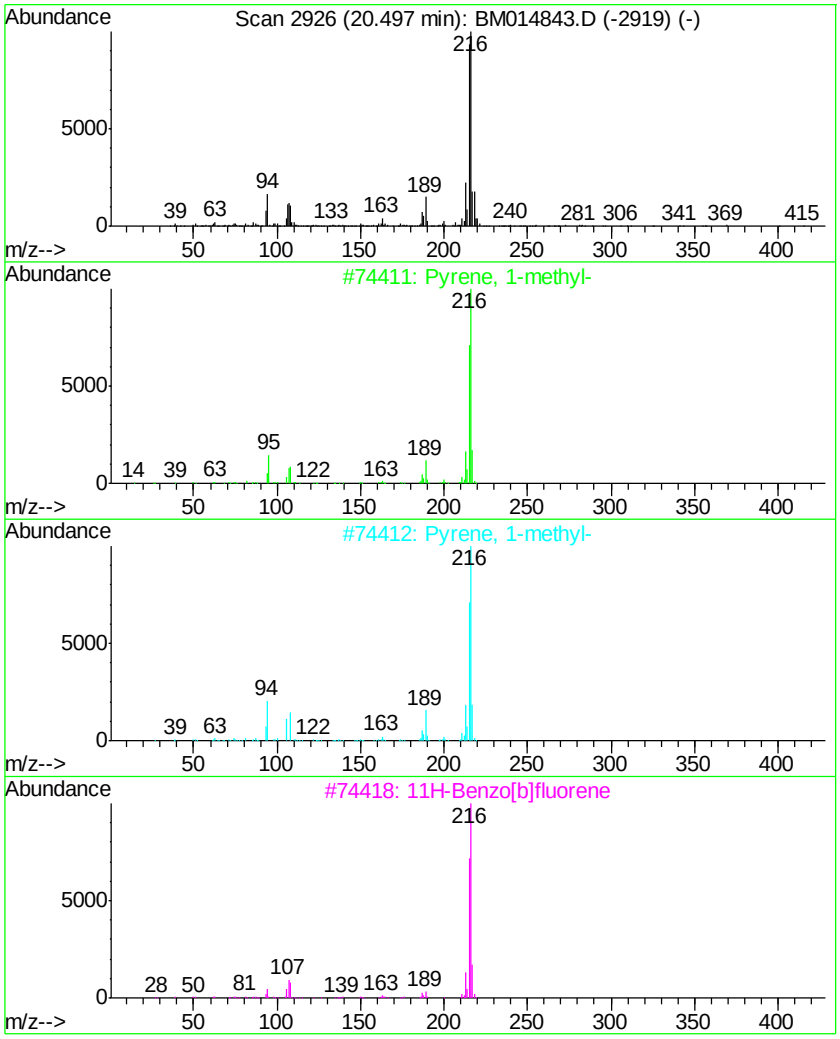
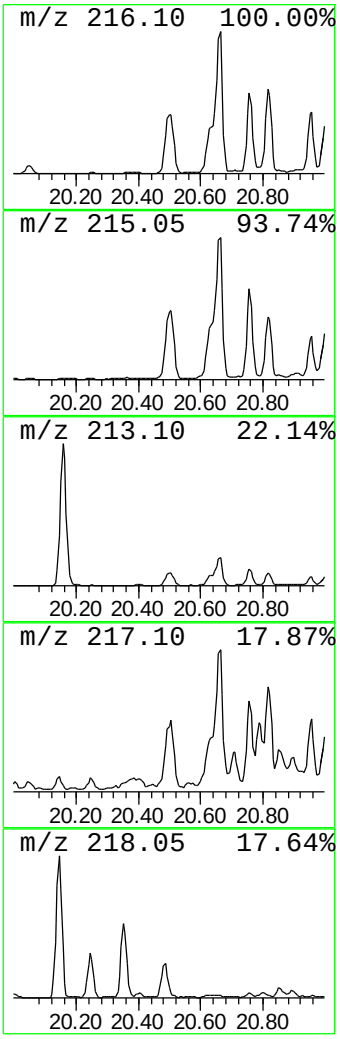
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.11 ng/ul	1223210	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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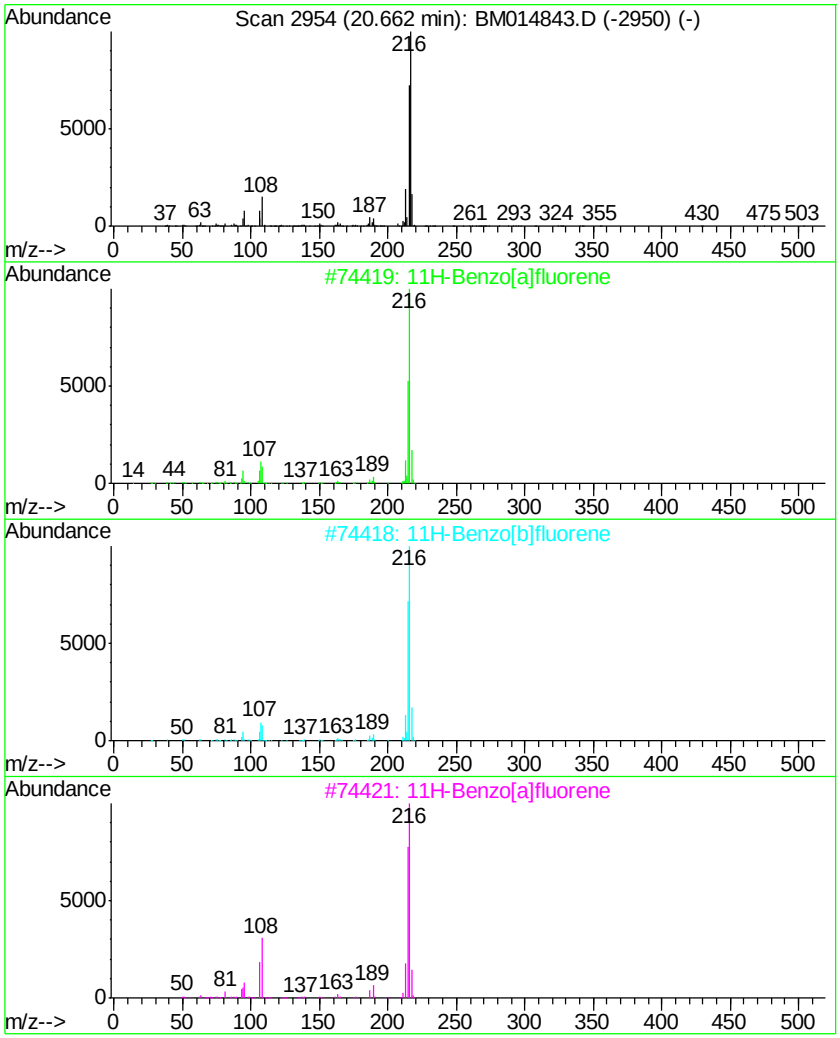
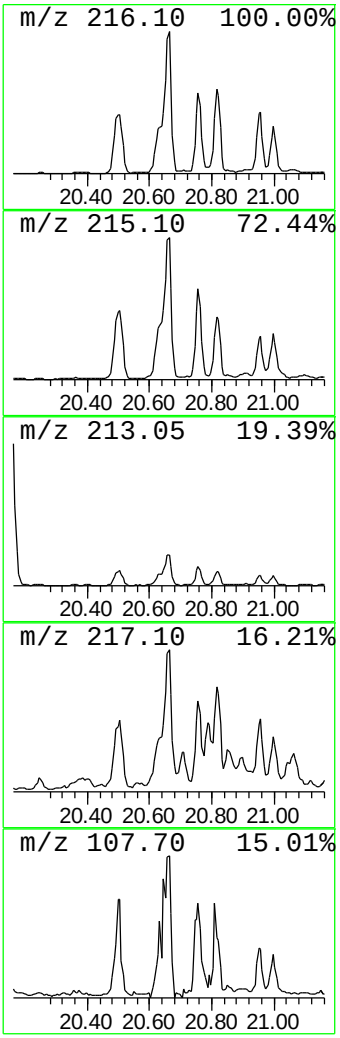
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	2.18 ng/ul	1265900	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Instrument : BNA_M
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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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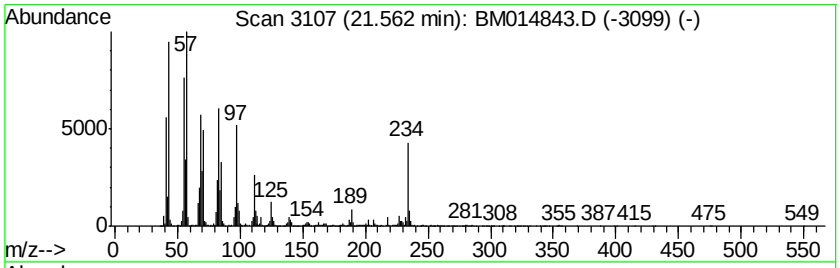
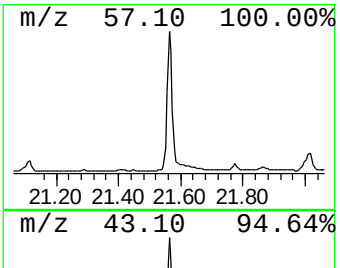
Peak Number 12 1-Heneicosanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	7.70 ng/ul	4465170	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	91
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	89
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	89
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	76





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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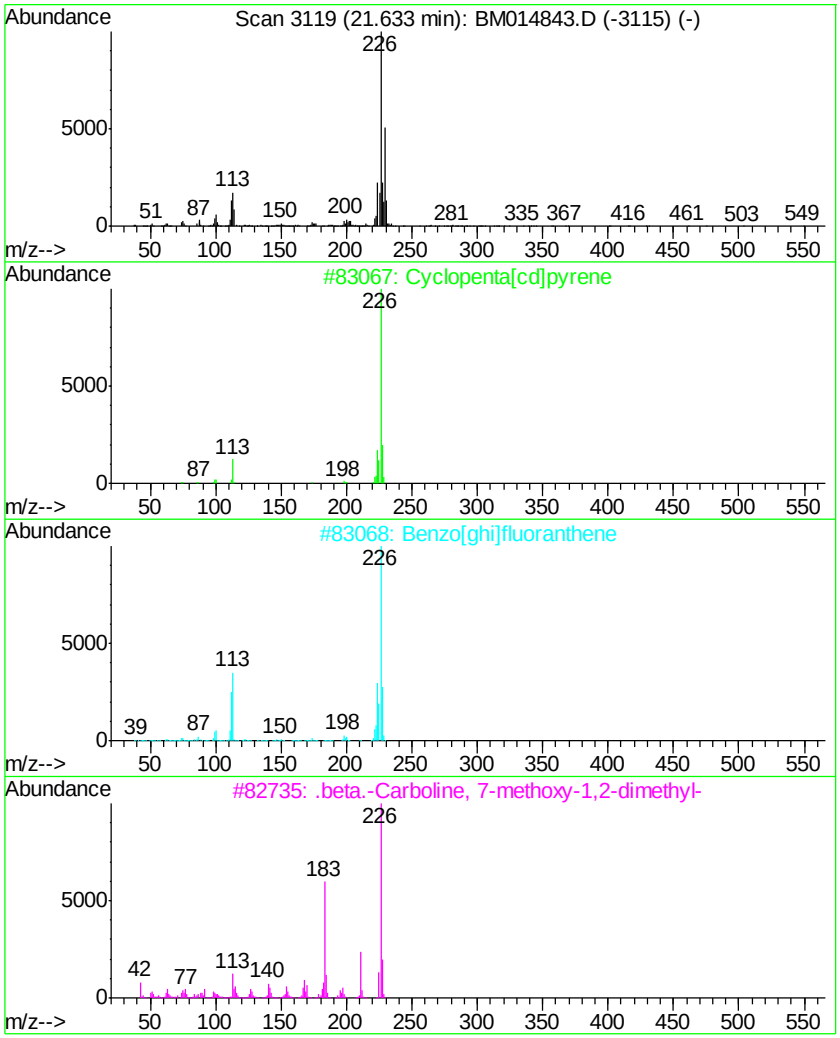
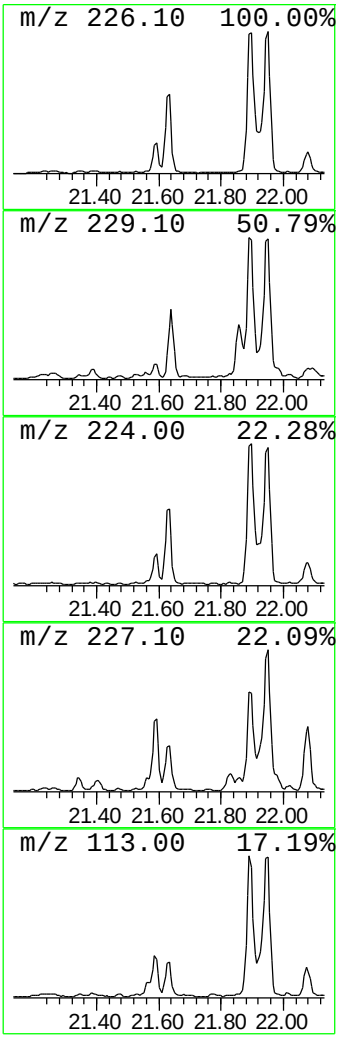
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	2.37 ng/ul	1375080	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	60
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
5	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	43





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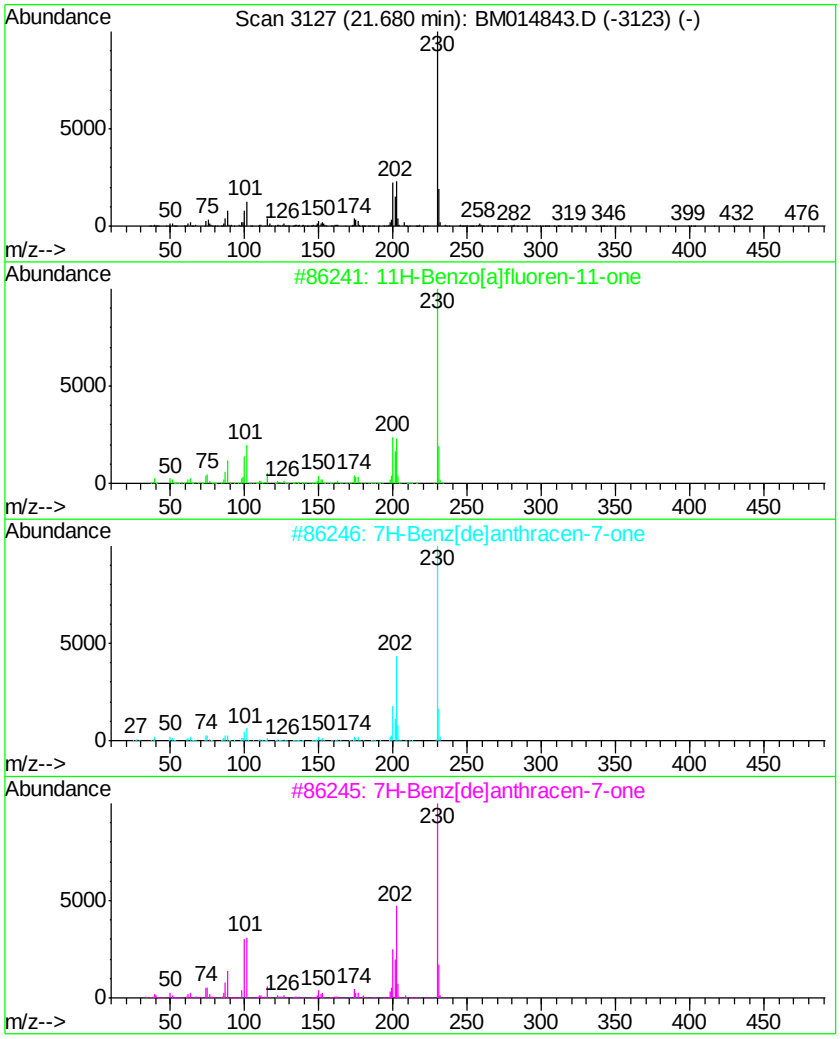
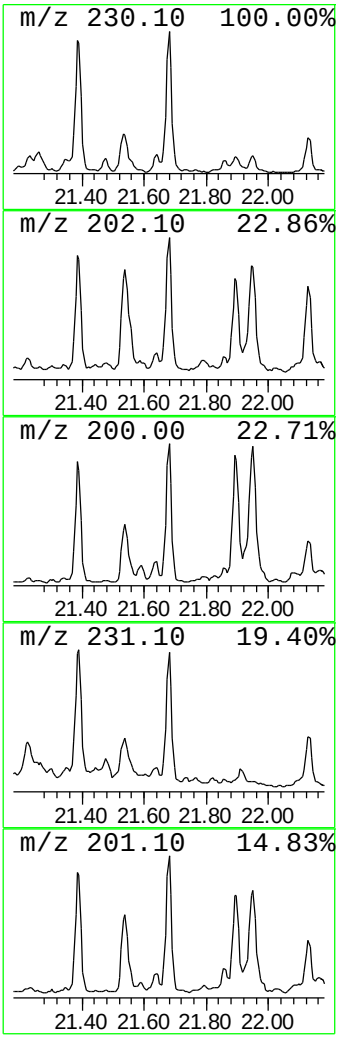
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	2.29 ng/ul	1325610	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	83





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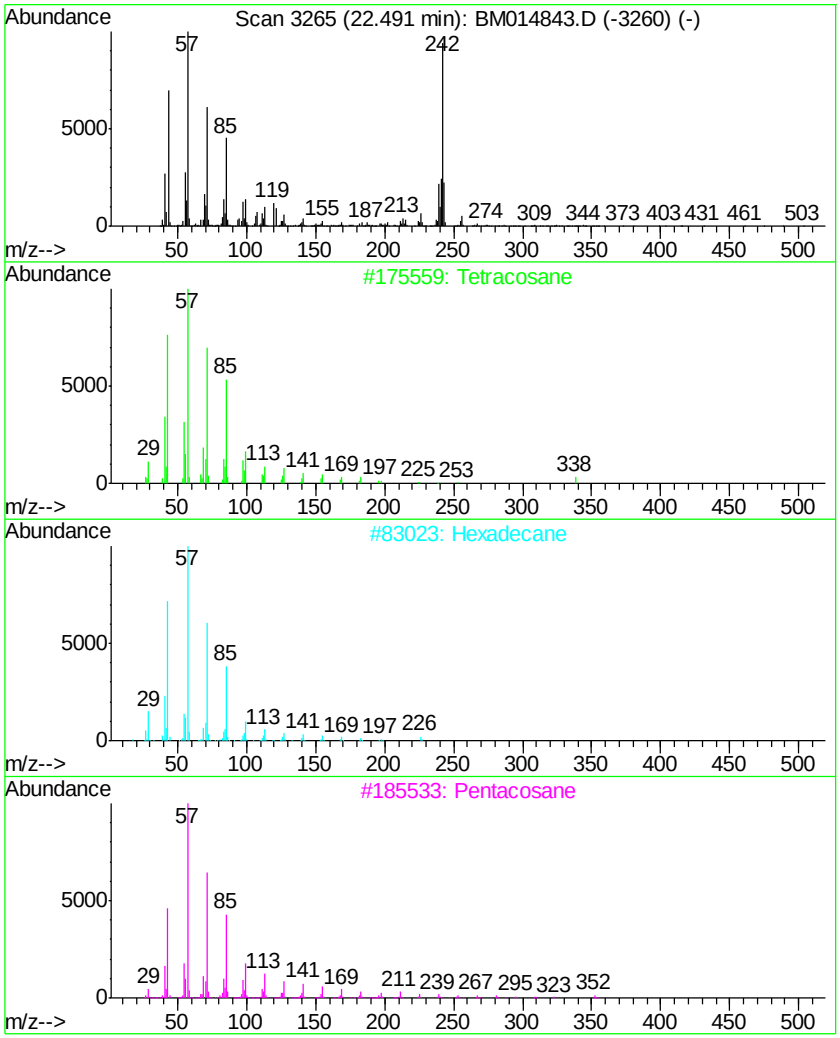
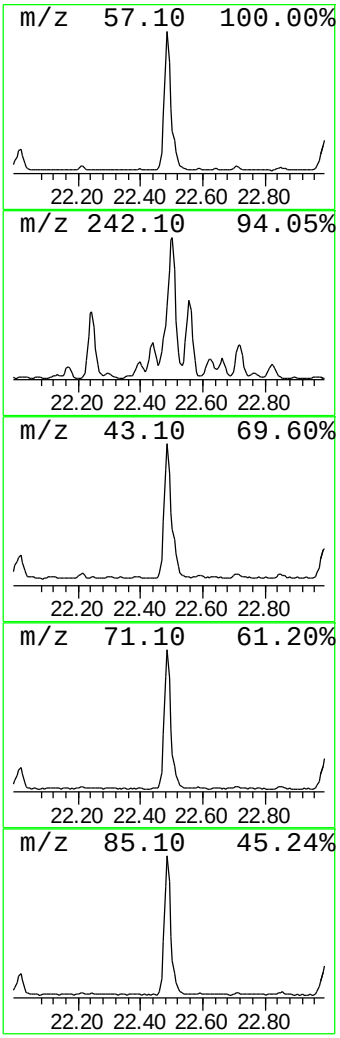
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	5.07 ng/ul	2936710	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Hexadecane	226	C16H34	000544-76-3	95
3	Pentacosane	352	C25H52	000629-99-2	95
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heptadecane	240	C17H36	000629-78-7	86





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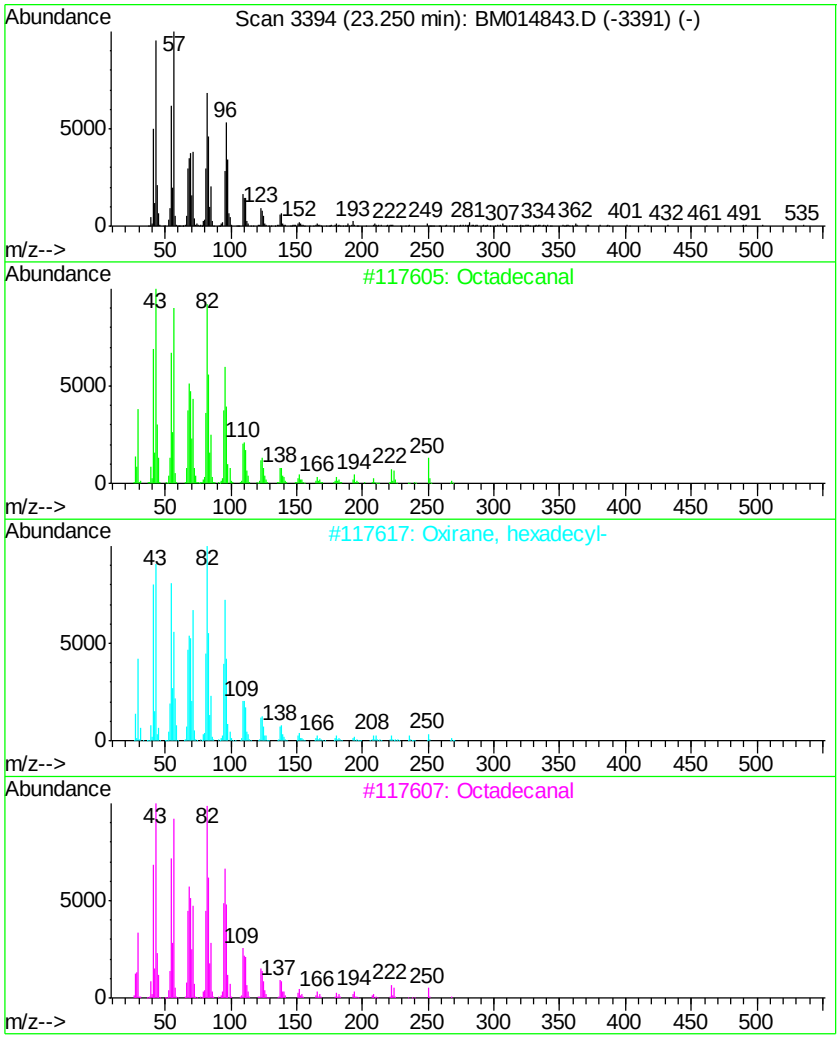
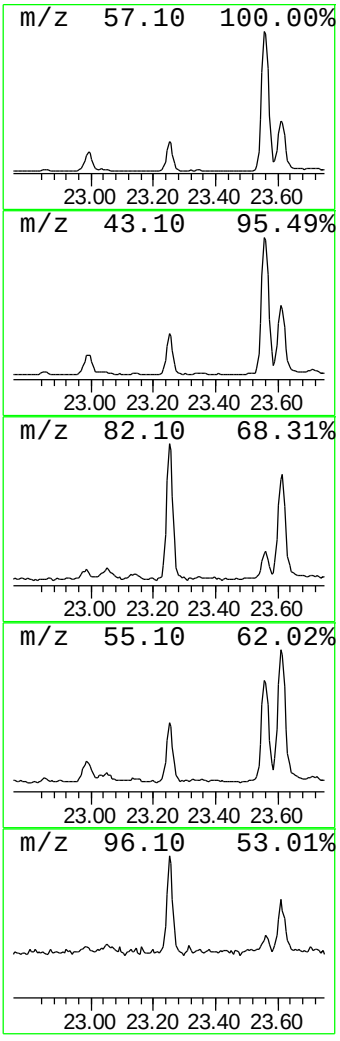
Peak Number 16 Octadecanal Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.25	4.66 ng/ul	1055510	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
3	Octadecanal	268	C18H36O	000638-66-4	90
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
5	17-Pentatriacontene	491	C35H70	006971-40-0	87





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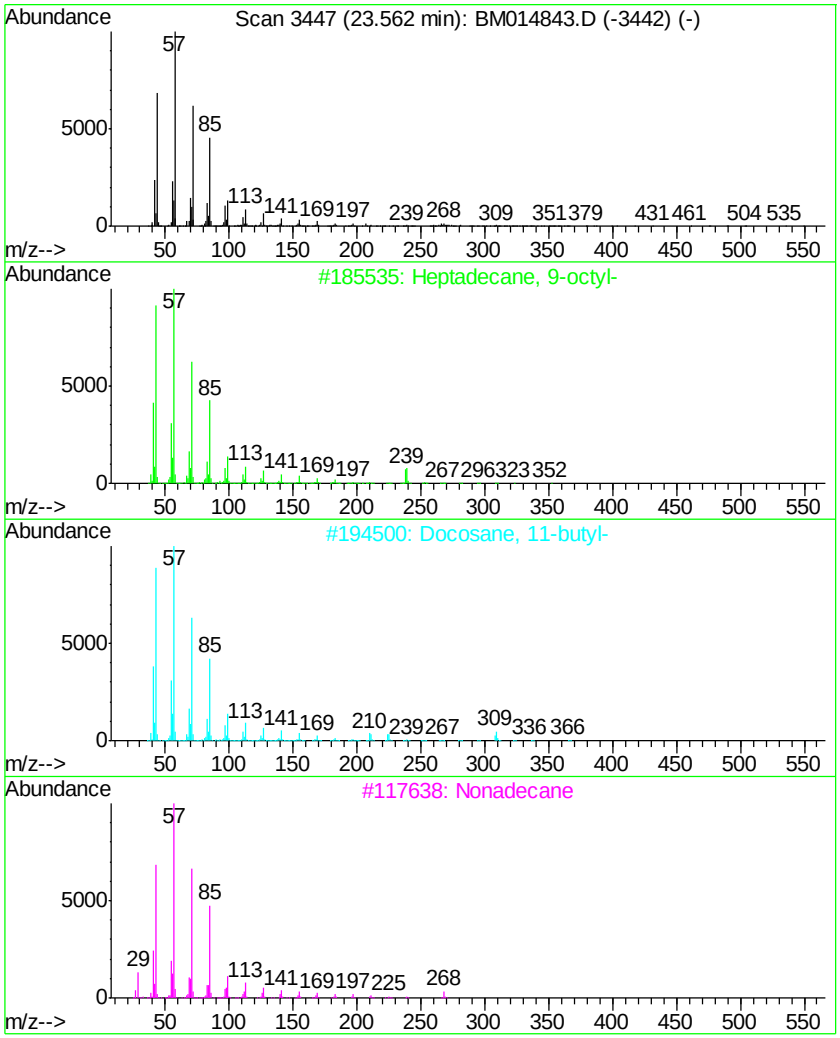
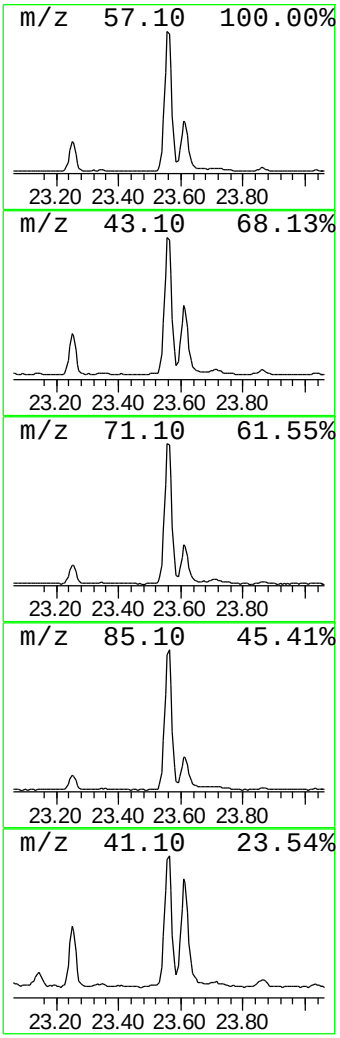
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.56	11.21 ng/ul	2538760	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	98
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	97
3	Nonadecane	268	C19H40	000629-92-5	95
4	Tetracosane	338	C24H50	000646-31-1	94
5	Docosane, 9-butyl-	366	C26H54	055282-14-9	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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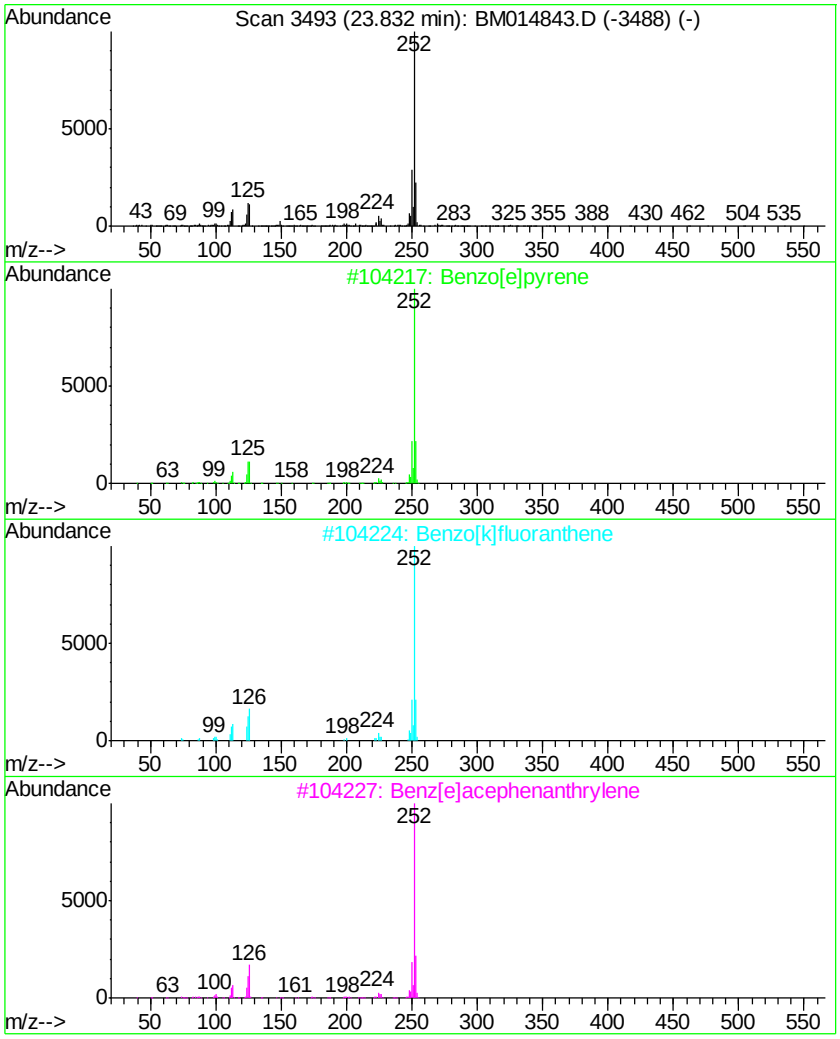
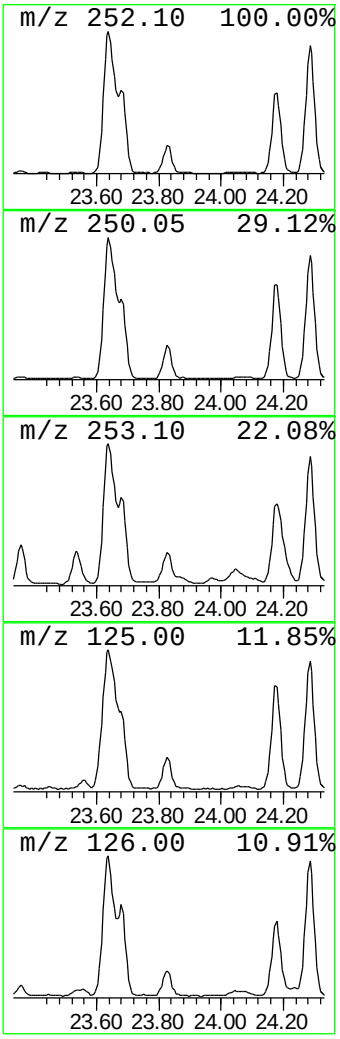
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	5.72 ng/ul	1296730	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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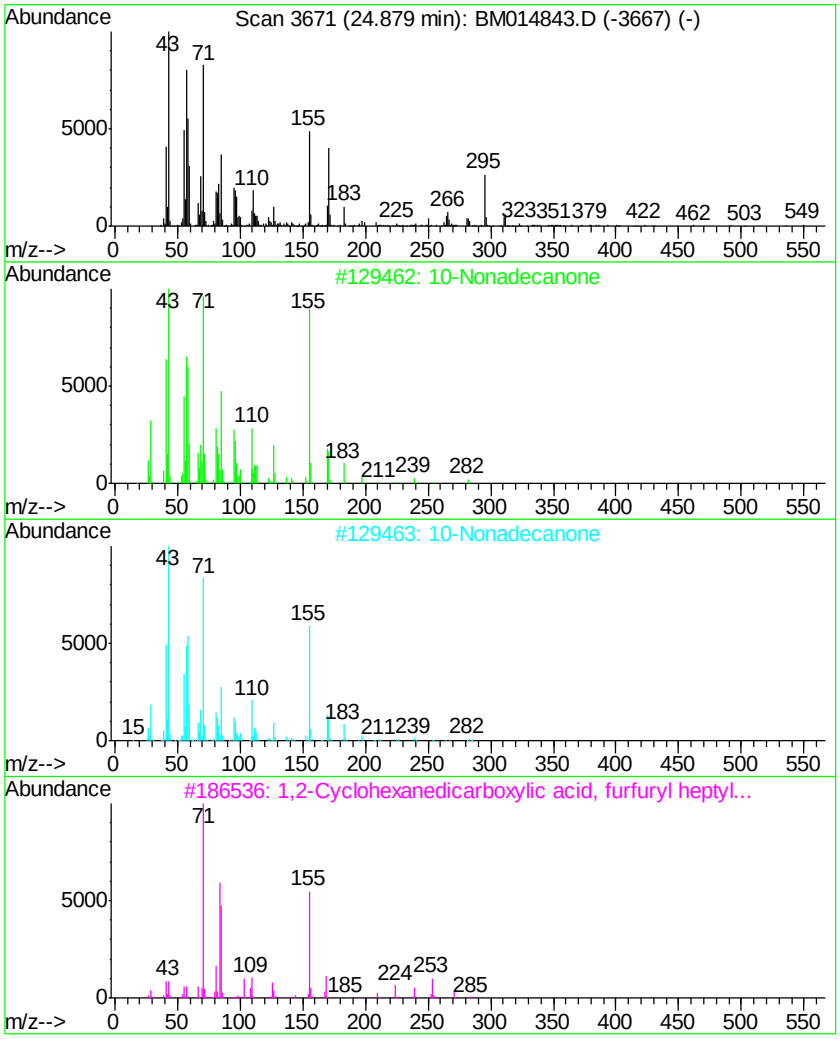
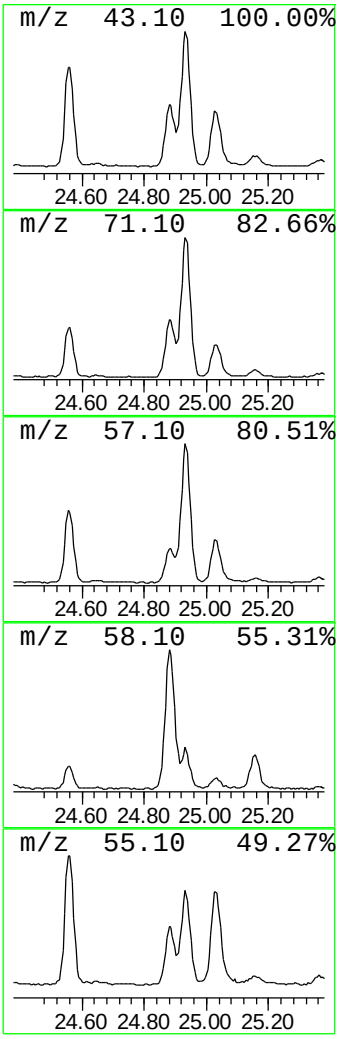
Peak Number 21 10-Nonadecanone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.88	5.17 ng/ul	1170620	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Nonadecanone	282	C19H38O	000504-57-4	68
2	10-Nonadecanone	282	C19H38O	000504-57-4	68
3	1,2-Cyclohexanedicarboxylic acid...	354	C20H34O5	1000339-90-0	35
4	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	35
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30





Library Search Compound Report

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Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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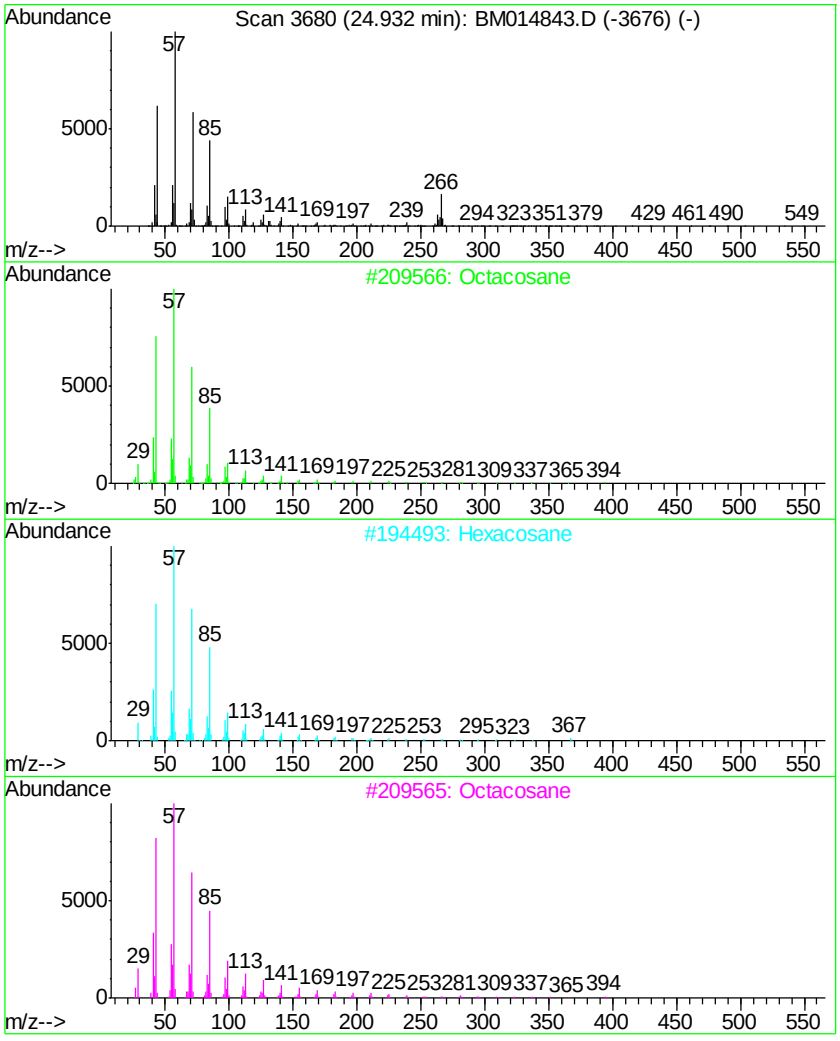
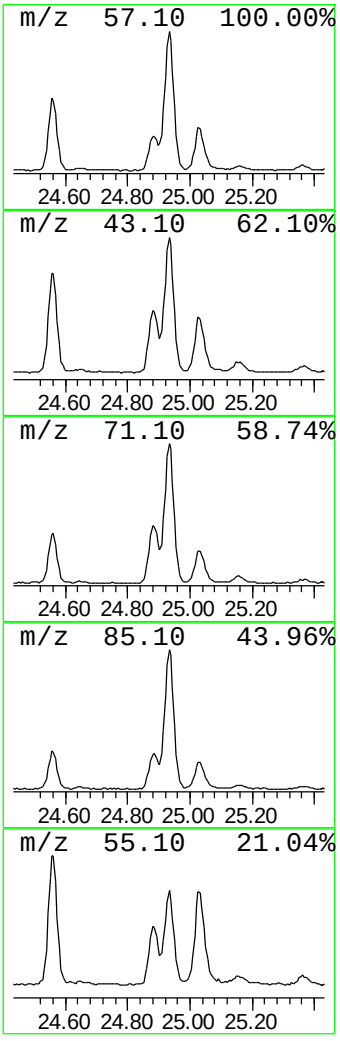
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.93	10.74 ng/ul	2433860	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	81
2	Hexacosane	366	C26H54	000630-01-3	76
3	Octacosane	394	C28H58	000630-02-4	74
4	Pentacosane	352	C25H52	000629-99-2	74
5	Heptacosane	380	C27H56	000593-49-7	74





Library Search Compound Report

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Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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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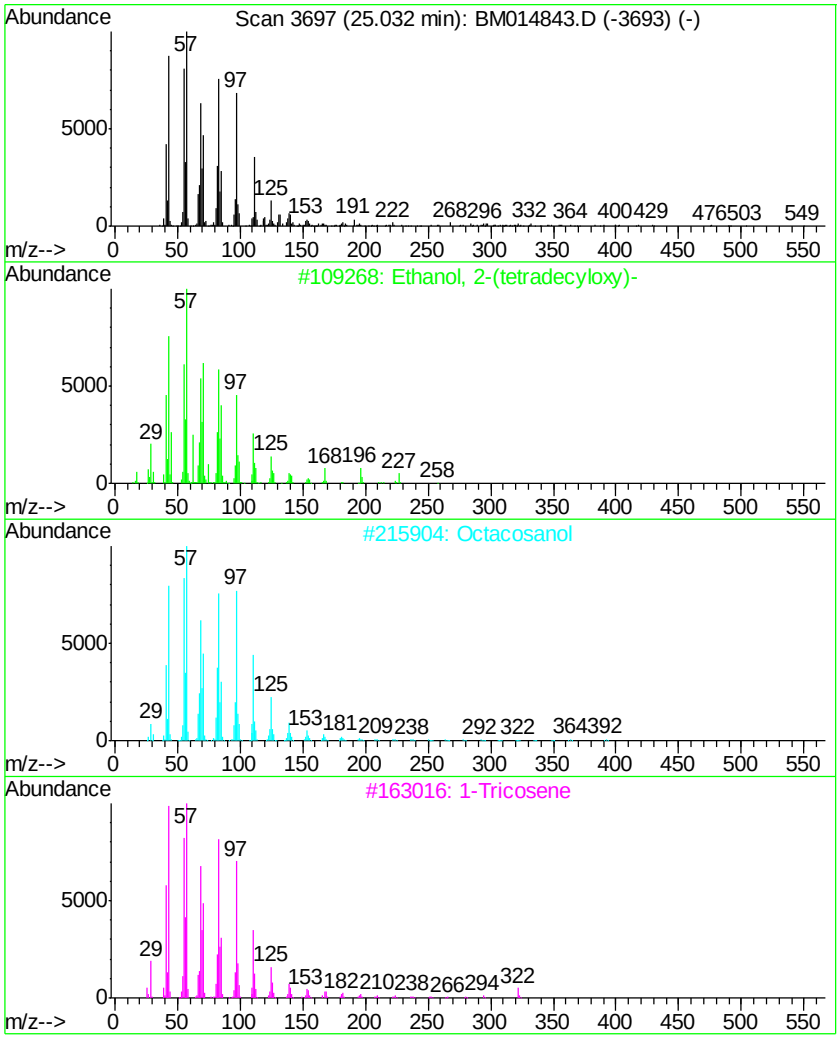
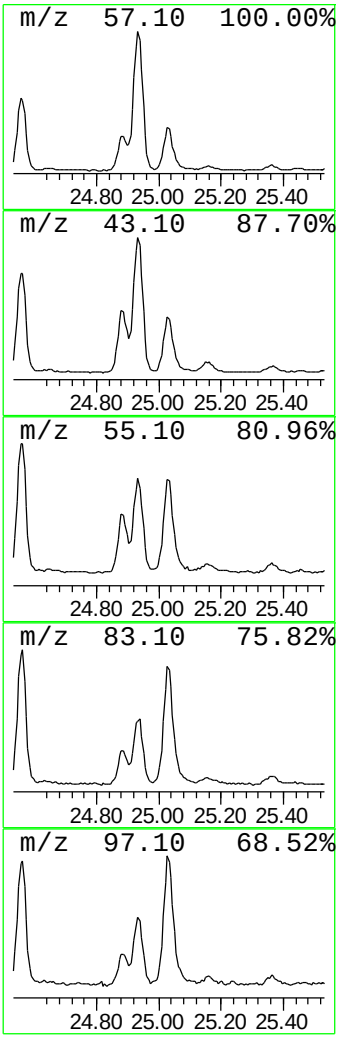
Peak Number 23 Ethanol, 2-(tetradecyloxy)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.03	6.28 ng/ul	1421650	Perylene-d12	24.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
2	Octacosanol	410	C28H58O	000557-61-9	94
3	1-Tricosene	322	C23H46	018835-32-0	94
4	1-Heptacosanol	396	C27H56O	002004-39-9	91
5	17-Pentatriacontene	491	C35H70	006971-40-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042518\
Data File : BM014843.D
Acq On : 25 Apr 2018 20:46
Operator : SJ/JU
Sample : J2449-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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...	3.34	37.1	ng/ul	3979100	1	8.50	2142230	20.0
(DEL) Alkane: Str...	15.90	2.1	ng/ul	360522	3	15.11	3479020	20.0
n-Hexadecanoic acid	18.65	10.9	ng/ul	2110140	4	17.82	3877000	20.0
Phenanthrene, 2-m...	18.72	5.5	ng/ul	1059850	4	17.82	3877000	20.0
4H-Cyclopenta[def...	18.87	6.8	ng/ul	1324210	4	17.82	3877000	20.0
1,2,4,8-Tetrameth...	19.16	2.4	ng/ul	457394	4	17.82	3877000	20.0
9,10-Anthracenedione	19.20	4.3	ng/ul	824942	4	17.82	3877000	20.0
Phenanthrene, 2,5...	19.56	3.7	ng/ul	714185	4	17.82	3877000	20.0
Cyclopenta(def)ph...	19.70	2.9	ng/ul	566212	4	17.82	3877000	20.0
Pyrene, 1-methyl-	20.50	2.1	ng/ul	1223210	5	21.91	11594600	20.0
11H-Benzo[a]fluorene	20.66	2.2	ng/ul	1265900	5	21.91	11594600	20.0
1-Heneicosanol	21.56	7.7	ng/ul	4465170	5	21.91	11594600	20.0
Cyclopenta[cd]pyrene	21.63	2.4	ng/ul	1375080	5	21.91	11594600	20.0
11H-Benzo[a]fluor...	21.68	2.3	ng/ul	1325610	5	21.91	11594600	20.0
(DEL) Alkane: Str...	22.49	5.1	ng/ul	2936710	5	21.91	11594600	20.0
Octadecanal	23.25	4.7	ng/ul	1055510	6	24.39	4530270	20.0
(DEL) Alkane: Str...	23.56	11.2	ng/ul	2538760	6	24.39	4530270	20.0
Benzo[e]pyrene	23.83	5.7	ng/ul	1296730	6	24.39	4530270	20.0
10-Nonadecanone	24.88	5.2	ng/ul	1170620	6	24.39	4530270	20.0
(DEL) Alkane: Str...	24.93	10.7	ng/ul	2433860	6	24.39	4530270	20.0
Ethanol, 2-(tetra...	25.03	6.3	ng/ul	1421650	6	24.39	4530270	20.0