LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

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-BM113017.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	3.722	105	108	114	rBV3	58567	85195	1.51%	0.084%
2	5.693	439	443	450	rVB3	34433	64683	1.15%	0.064%
3	6.851	634	640	652	rBV2	972921	1767416	31.32%	1.751%
4	7.016	662	668	675	rBV	751720	1130620	20.04%	1.120%
5	7.210	694	701	710	rVB	1048084	1630465	28.90%	1.615%
6	7.675	773	780	788	rBV	917661	1466829	26.00%	1.453%
7	8.204	862	870	877	rBV	57150	111789	1.98%	0.111%
8	8.381	893	900	910	rBV	1339340	2124197	37.65%	2.104%
9	8.828	968	976	984	rBV	1047231	1689468	29.94%	1.674%
10	9.545	1091	1098	1108	rBV	876900	1492586	26.45%	1.479%
11	10.081	1181	1189	1199	rBV	1317409	2234137	39.60%	2.213%
12	10.451	1244	1252	1258	rBV	1322579	2198155	38.96%	2.177%
13	10.598	1269	1277	1291	rBV	869015	1626273	28.82%	1.611%
14	11.969	1500	1510	1519	rBV8	23478	62681	1.11%	0.062%
15	13.733	1804	1810	1814	rBV	2384554	3266889	57.90%	3.236%
16	13.780	1814	1818	1826	rVB	807792	1156643	20.50%	1.146%
17	14.010	1848	1857	1861	rBV	2722053	4477814	79.36%	4.436%
18	14.222	1889	1893	1897	rBV	85969	102459	1.82%	0.101%
19	14.316	1902	1909	1917	rVV2	1897729	2909278	51.56%	2.882%
20	14.533	1939	1946	1959	rBV	817275	1478887	26.21%	1.465%
21	14.839	1995	1998	2004	rVB6	33145	57374	1.02%	0.057%
22	15.180	2051	2056	2063	rVB2	162615	258333	4.58%	0.256%
23	15.316	2072	2079	2085	rBV	3302644	4603090	81.58%	4.560%
24	15.380	2085	2090	2095	rBV4	43674	86287	1.53%	0.085%
25	15.445	2096	2101	2107	rBV	604434	848513	15.04%	0.841%
26	15.563	2113	2121	2122	rBV4	72429	127587	2.26%	0.126%
27	16.039	2197	2202	2214	rBV4	215136	451180	8.00%	0.447%
28	16.645	2302	2305	2312	rVB3	49042	81704	1.45%	0.081%
29	16.721	2314	2318	2325	rBV4	107974	180895	3.21%	0.179%
30	16.833	2333	2337	2341	rVV2	83783	106859	1.89%	0.106%
31	16.886	2342	2346	2353	rVB8	59974	102179	1.81%	0.101%
32	17.068	2371	2377	2382	rBV	2337665	3271095	57.97%	3.240%
33	17.104	2382	2383	2387	rVV	126686	135183	2.40%	0.134%
34	17.163	2387	2393	2397	rVV2	3212612	4774491	84.62%	4.729%

LSC Area Percent Report

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Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

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-BM113017.M
Title : SVOA CALIBRATION

35	17.198	2397	2399	2405	rVV	610837	767732	13.61%	0.760%
36	17.257	2405	2409	2415	rVB6	48015	90810	1.61%	0.090%
37	17.474	2442	2446	2450	rBV	52605	92596	1.64%	0.092%
38	17.574	2460	2463	2468	rVB5	52713	97910	1.74%	0.097%
39	17.968	2526	2530	2539	rBV2	465135	690331	12.23%	0.684%
40	18.068	2544	2547	2552	rVB	119867	147762	2.62%	0.146%
41	18.139	2554	2559	2564	rBV3	173486	308504	5.47%	0.306%
42	18.262	2577	2580	2583	rVB4	57516	61045	1.08%	0.060%
43	18.333	2590	2592	2596	rVB3	54485	75179	1.33%	0.074%
44	18.492	2615	2619	2624	rBV5	85906	140213	2.48%	0.139%
45	18.780	2666	2668	2673	rVB2	65990	74153	1.31%	0.073%
46	18.862	2678	2682	2687	rVV4	142353	282735	5.01%	0.280%
47	18.927	2690	2693	2696	rVB3	80704	112531	1.99%	0.111%
48	19.009	2702	2707	2714	rBV	321144	549727	9.74%	0.545%
49	19.127	2720	2727	2734	rBV	2166779	2971947	52.67%	2.944%
50	19.233	2742	2745	2746	rBV3	51547	57562	1.02%	0.057%
51	19.256	2746	2749	2750	rVV3	165440	180334	3.20%	0.179%
52	19.280	2750	2753	2757	rVB	294295	353661	6.27%	0.350%
53	19.398	2771	2773	2778	rVB3	106900	142856	2.53%	0.142%
54	19.462	2779	2784	2787	rBV	3463991	5312403	94.15%	5.262%
55	19.492	2787	2789	2797	rVV	3031369	3913145	69.35%	3.876%
56	19.568	2799	2802	2808	rVB5	139643	239958	4.25%	0.238%
57	19.733	2827	2830	2835	rVB4	149923	229903	4.07%	0.228%
58	19.821	2840	2845	2853	rBV2	323088	792614	14.05%	0.785%
59	19.986	2863	2873	2880	rVB4	434939	1261354	22.35%	1.249%
60	20.092	2887	2891	2894	rBV	213110	237572	4.21%	0.235%
61	20.145	2895	2900	2905	rVV2	412659	688831	12.21%	0.682%
62	20.286	2921	2924	2928	rBV	340109	424965	7.53%	0.421%
63	20.333	2929	2932	2936	rVB	276012	354269	6.28%	0.351%
64	20.739	2998	3001	3008	rVB	343119	496080	8.79%	0.491%
65	20.903	3026	3029	3033	rVB	259040	311186	5.52%	0.308%
66	20.939	3033	3035	3038	rVV	239242	262712	4.66%	0.260%
67	20.974	3038	3041	3047	rVB3	1106851	1456910	25.82%	1.443%
68	21.256	3082	3089	3093	rBV3	2640943	5642389	100.00%	5.589%
69	21.298	3093	3096	3102	rVB	1441758	1932300	34.25%	1.914%
70	21.409	3112	3115	3121	rBV2	307429	621883	11.02%	0.616%
71	21.562	3138	3141	3146	rBV	230448	313514	5.56%	0.311%

LSC Area Percent Report

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Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

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-BM113017.M
Title : SVOA CALIBRATION

72	21.621	3148	3151	3155	rVB4	145961	174430	3.09%	0.173%
73	21.803	3180	3182	3187	rVB	366782	413209	7.32%	0.409%
74	21.997	3213	3215	3219	rBV	205412	198266	3.51%	0.196%
75	22.821	3348	3355	3360	rBV	2345640	5273643	93.46%	5.224%
76	22.986	3378	3383	3392	rVB	590915	1023888	18.15%	1.014%
77	23.292	3430	3435	3439	rBV	1232348	2202552	39.04%	2.182%
78	23.344	3439	3444	3448	rVV2	1637769	3172270	56.22%	3.142%
79	23.386	3448	3451	3459	rVB	1754207	2968733	52.61%	2.941%
80	23.486	3462	3468	3472	rVV	1098337	2092732	37.09%	2.073%
81	23.533	3472	3476	3483	rVB2	525861	1074594	19.05%	1.064%
82	25.715	3839	3847	3857	rVB2	960259	2764098	48.99%	2.738%
83	26.397	3956	3963	3974	rVB	615939	1743220	30.90%	1.727%

Sum of corrected areas: 100952445

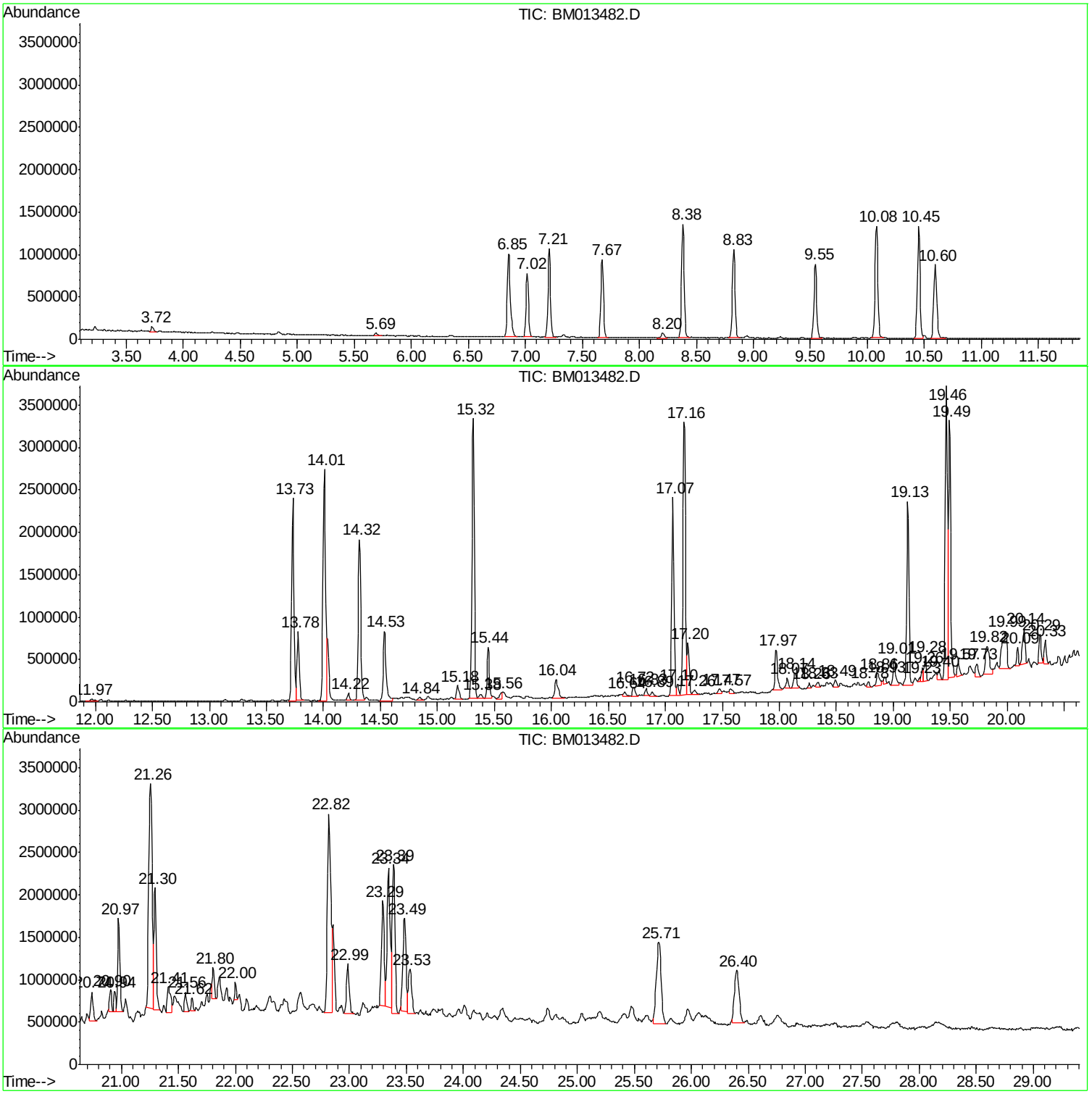
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

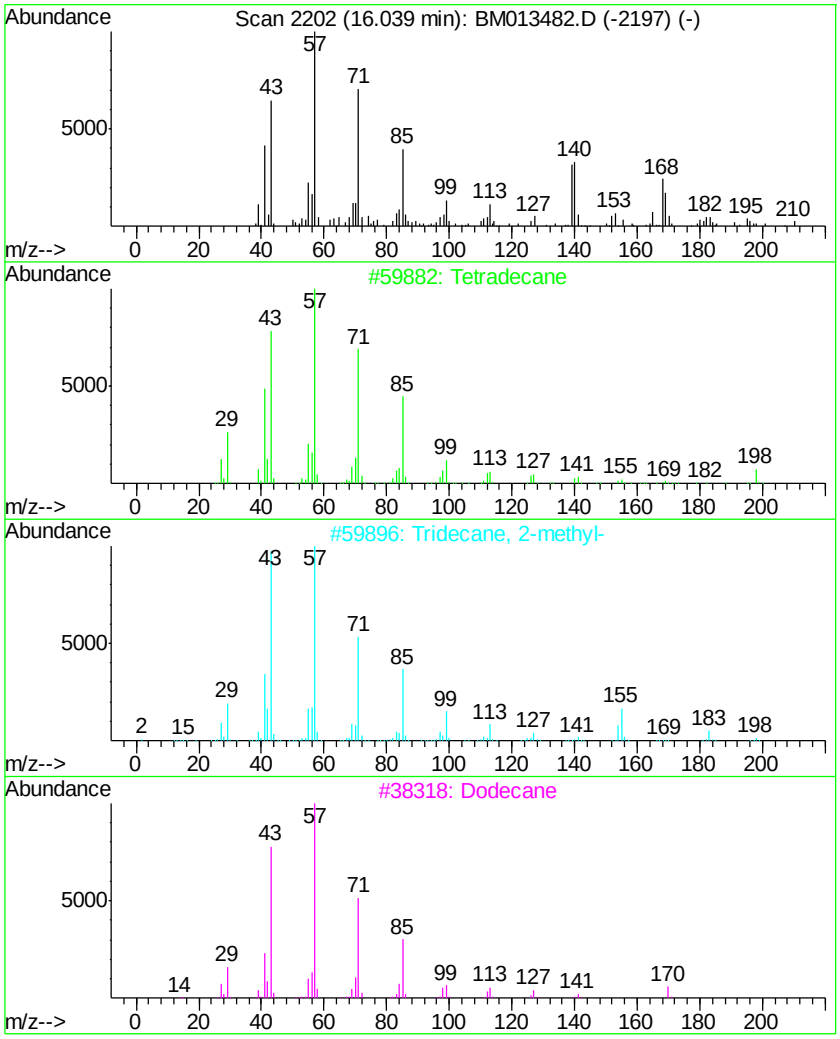
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

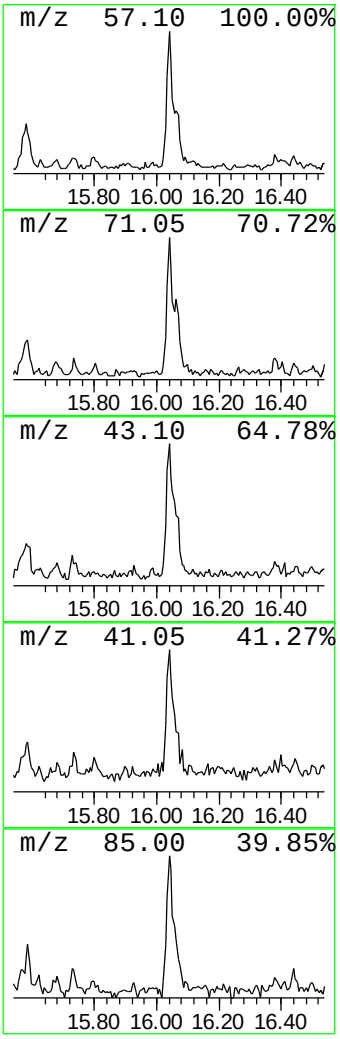
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.76 ng/ul	451180	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	55
3	Dodecane	170	C12H26	000112-40-3	55
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
5	Dodecane	170	C12H26	000112-40-3	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
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Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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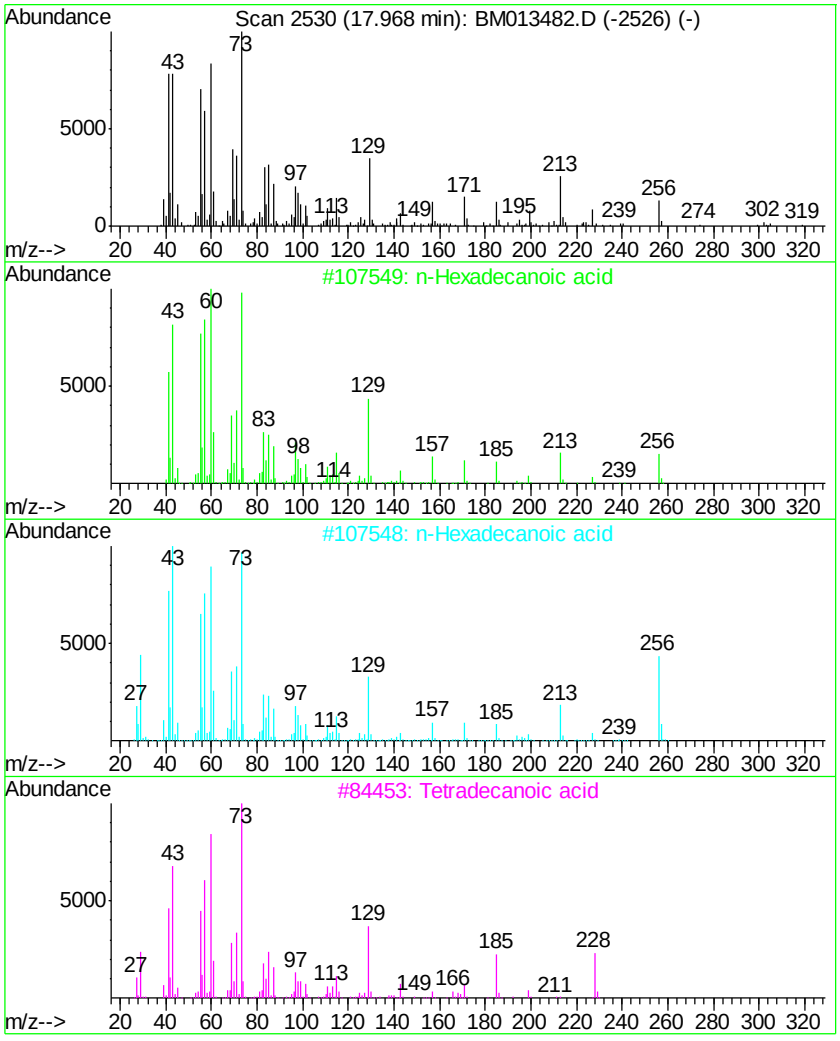
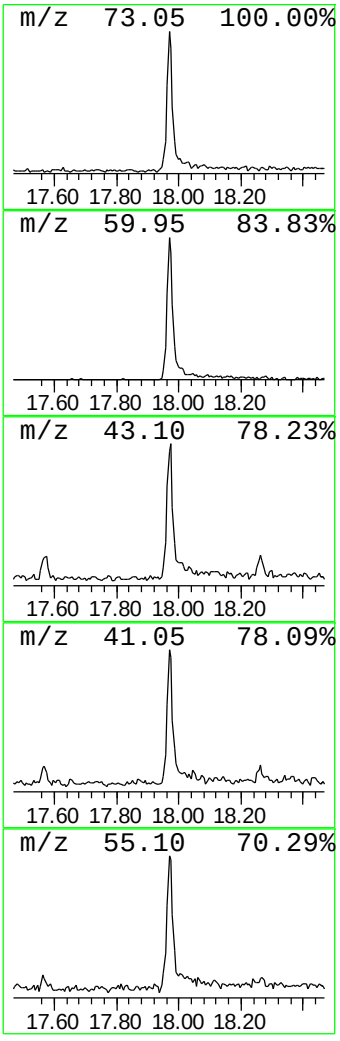
Peak Number 2 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.22 ng/ul	690331	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
4	Tridecanoic acid	214	C13H26O2	000638-53-9	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
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Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

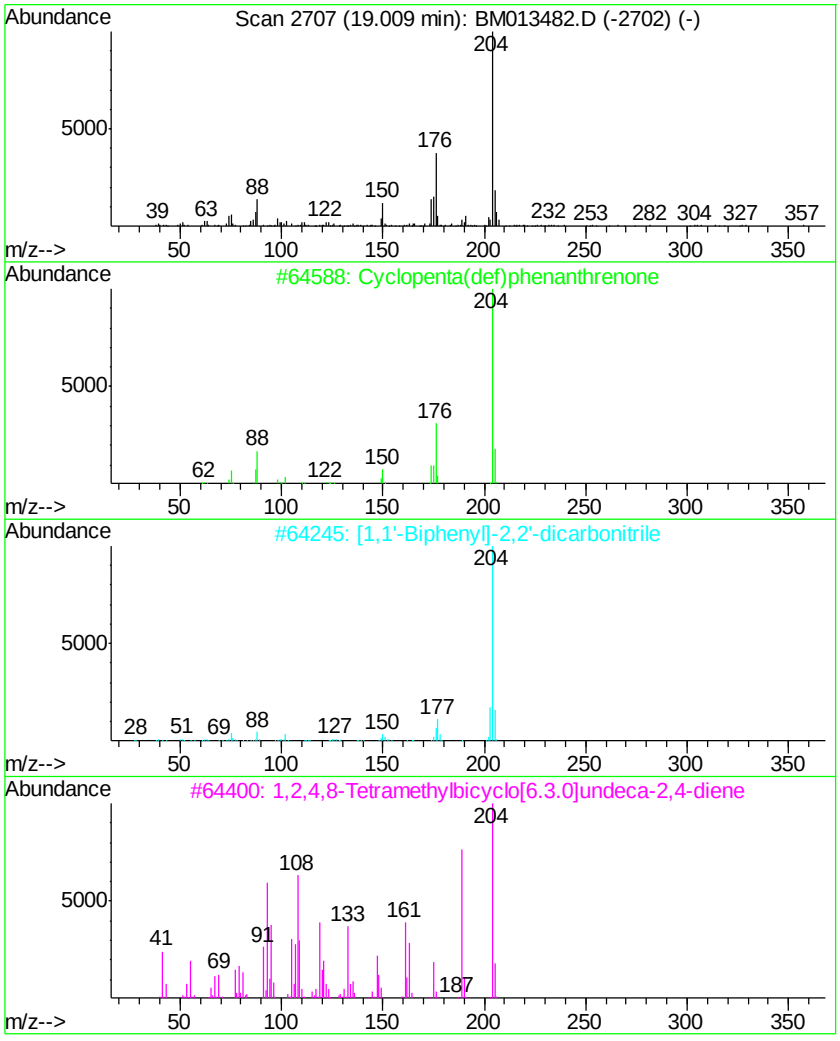
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

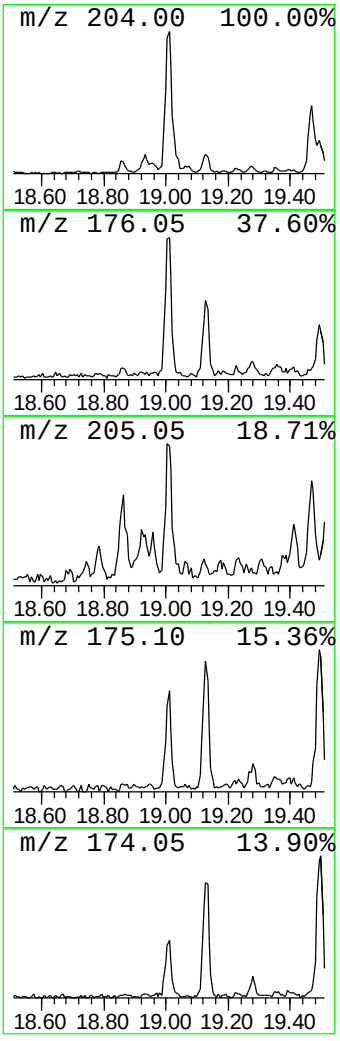
****

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	3.36 ng/ul	549727	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Acq On : 16 Dec 2017 18:22
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Sample : I6779-12
Misc :
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Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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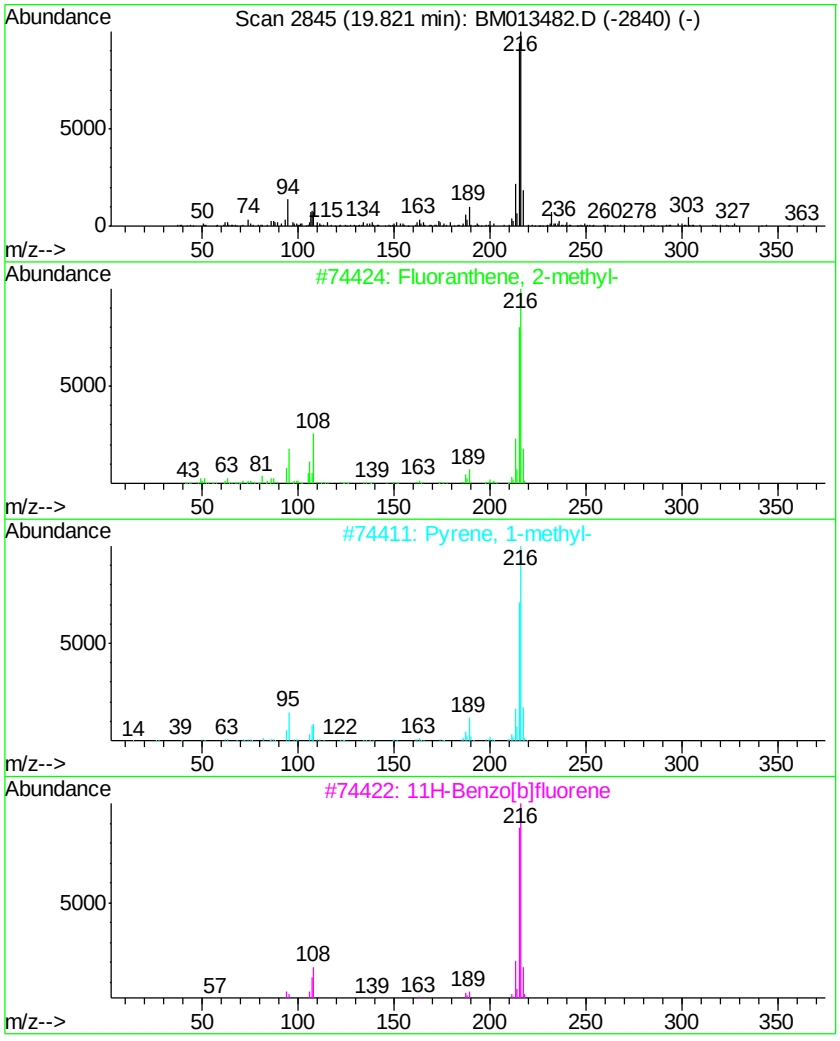
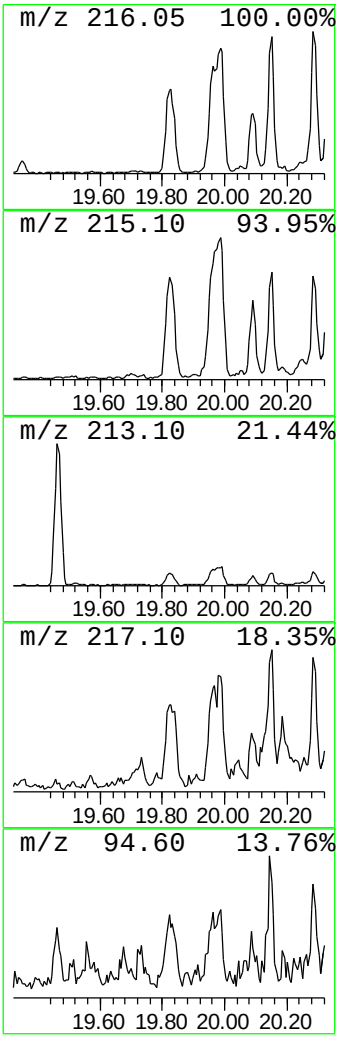
Peak Number 4 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.81 ng/ul	792614	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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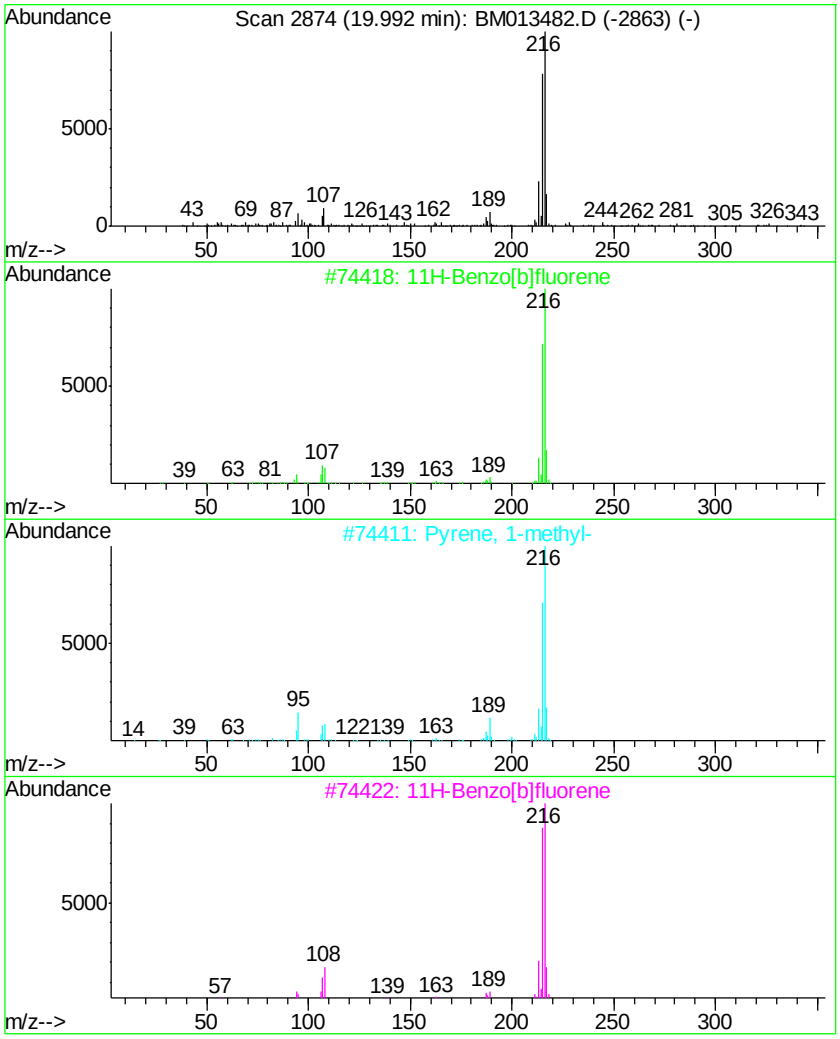
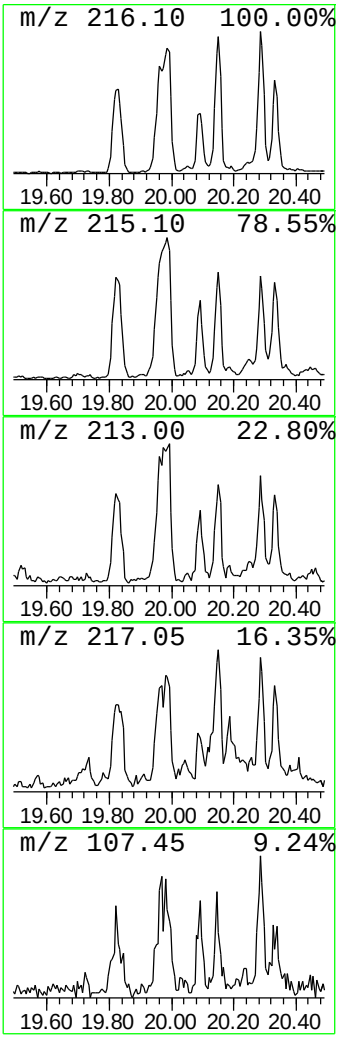
Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.47 ng/ul	1261350	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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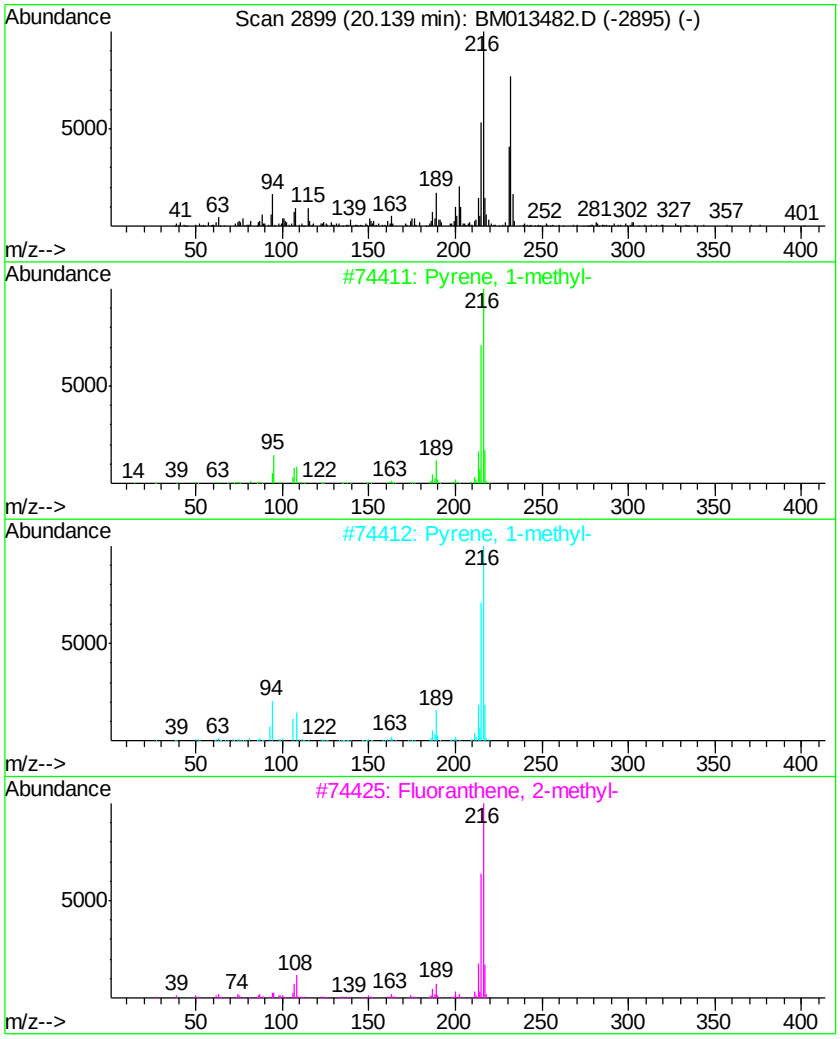
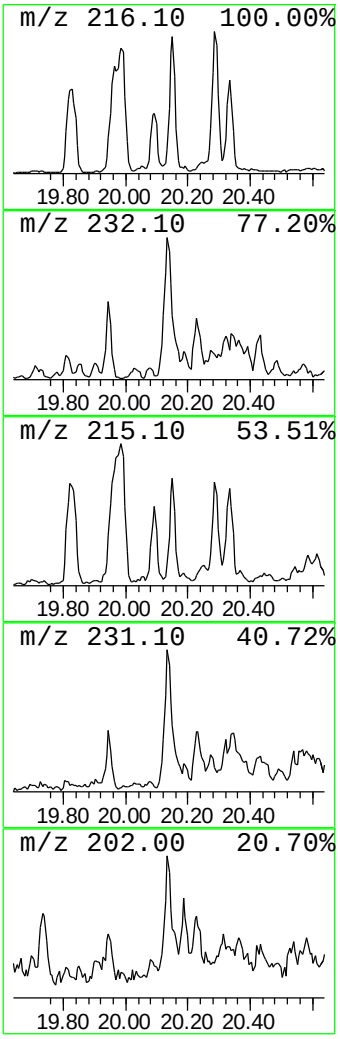
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.44 ng/ul	688831	Chrysene-d12	21.26

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	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86





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Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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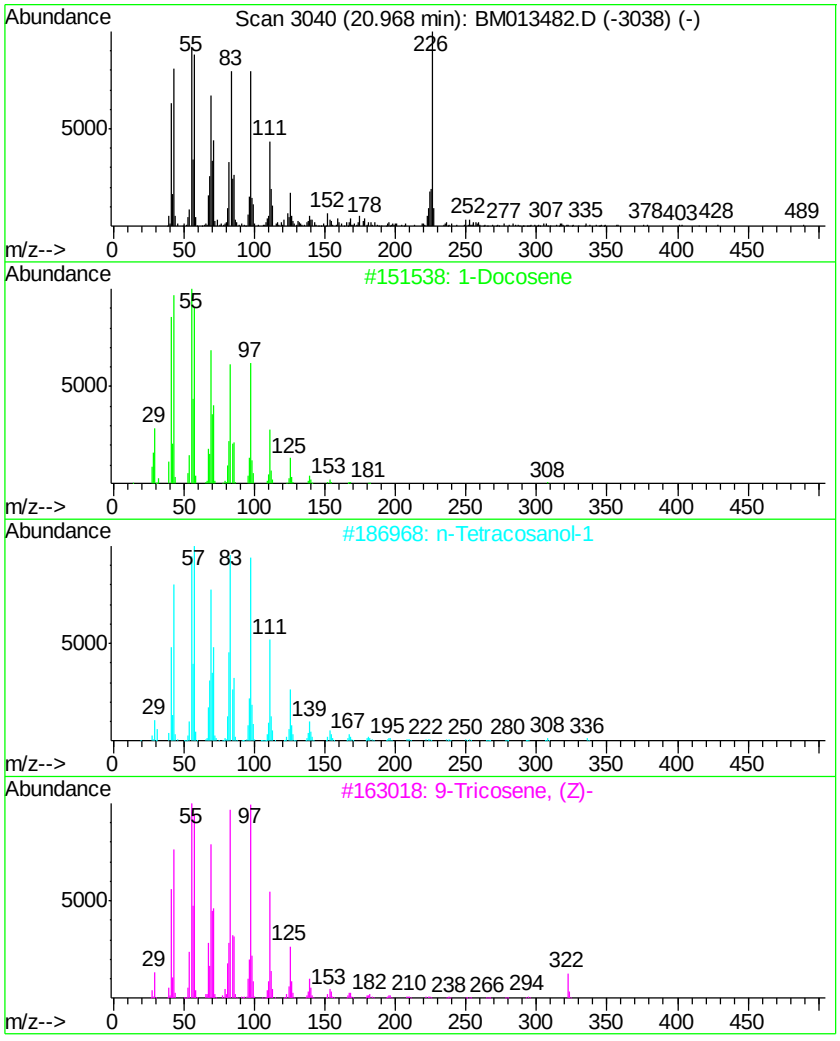
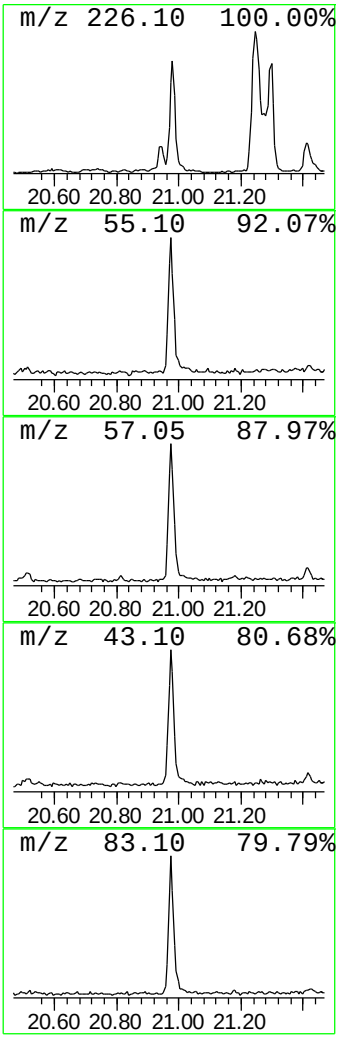
Peak Number 7 (DEL) Alkane: Cyclic20.97 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	5.16 ng/ul	1456910	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	59
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	46
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	46
5	Octacosanol	410	C28H58O	000557-61-9	46





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Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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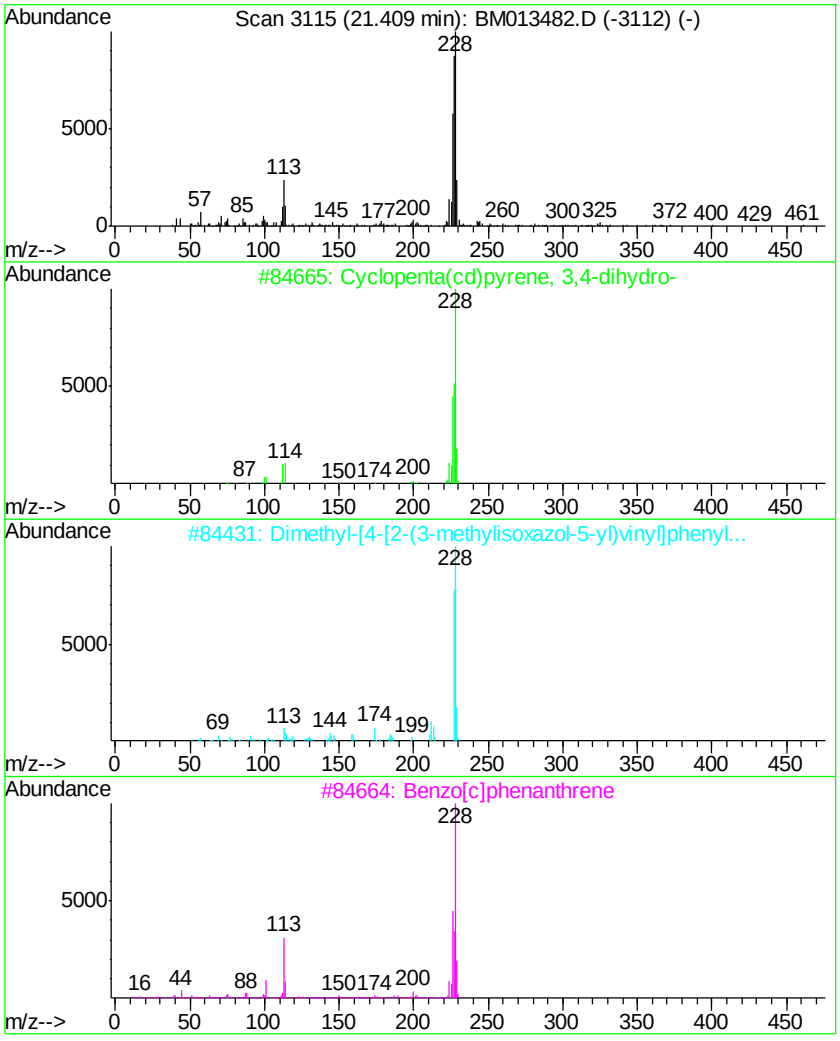
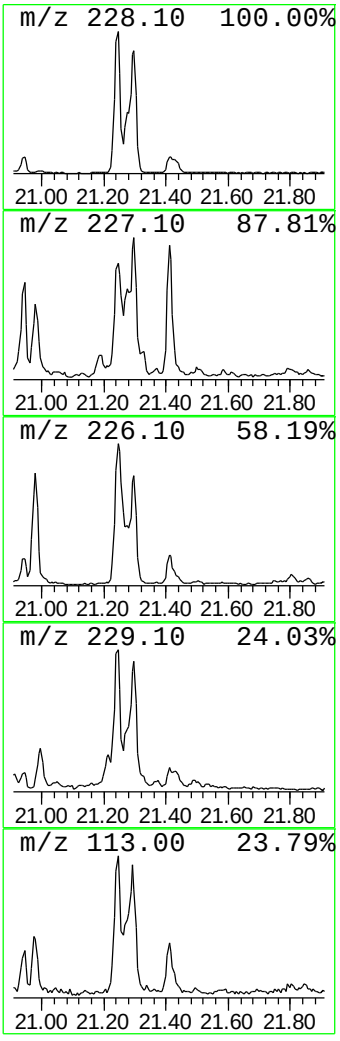
Peak Number 8 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.20 ng/ul	621883	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
4	Triphenylene	228	C18H12	000217-59-4	45
5	Triphenylene	228	C18H12	000217-59-4	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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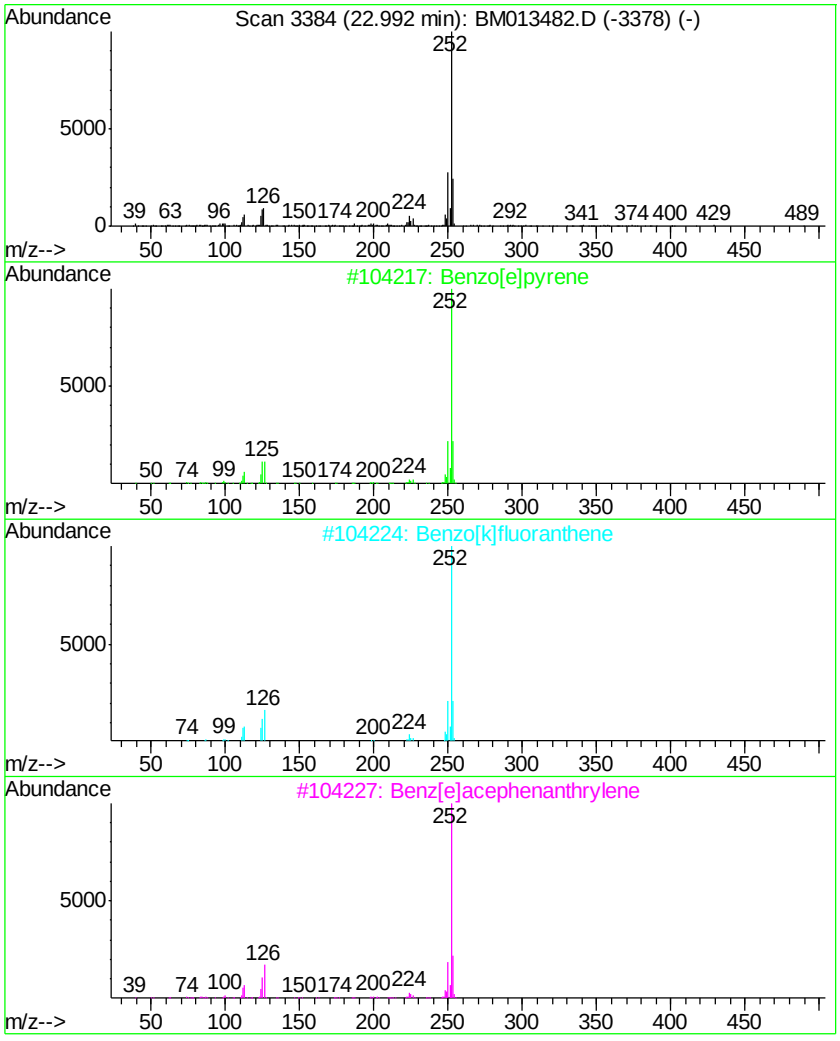
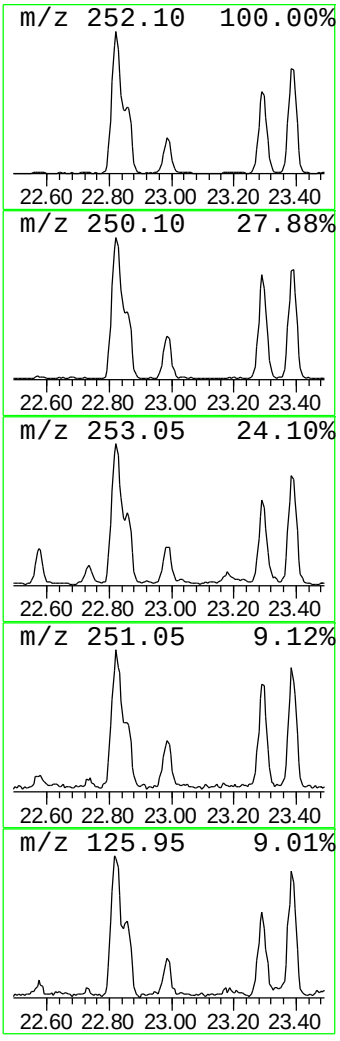
Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	9.79 ng/ul	1023890	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A95

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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...	16.04	2.8	ng/ul	451180	4	17.07	3271100	20.0
n-Hexadecanoic acid	17.97	4.2	ng/ul	690331	4	17.07	3271100	20.0
Cyclopenta(def)ph...	19.01	3.4	ng/ul	549727	4	17.07	3271100	20.0
Fluoranthene, 2-m...	19.82	2.8	ng/ul	792614	5	21.26	5642390	20.0
11H-Benzo[b]fluorene	19.99	4.5	ng/ul	1261350	5	21.26	5642390	20.0
Pyrene, 1-methyl-	20.14	2.4	ng/ul	688831	5	21.26	5642390	20.0
(DEL) Alkane: Cyc...	20.97	5.2	ng/ul	1456910	5	21.26	5642390	20.0
Cyclopenta(cd)pyr...	21.41	2.2	ng/ul	621883	5	21.26	5642390	20.0
Benzo[e]pyrene	22.99	9.8	ng/ul	1023890	6	23.48	2092730	20.0