LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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	3.222	20	23	29	rVB2	42110	65342	1.09%	0.069%
2	3.487	65	68	76	rBV	73403	116346	1.94%	0.122%
3	3.722	106	108	115	rVB3	51611	74758	1.25%	0.079%
4	5.687	437	442	450	rBV2	53000	99585	1.66%	0.105%
5	6.851	633	640	657	rBV2	896333	1654636	27.62%	1.740%
6	7.016	663	668	677	rVB	731207	1094987	18.28%	1.152%
7	7.210	694	701	710	rBV	965729	1526797	25.48%	1.606%
8	7.334	718	722	731	rVB3	44106	68751	1.15%	0.072%
9	7.675	773	780	788	rBV	1342302	2097998	35.02%	2.207%
10	8.204	865	870	879	rBV	67446	123986	2.07%	0.130%
11	8.381	893	900	910	rBV	1137742	1857416	31.00%	1.954%
12	8.828	969	976	983	rBV	972359	1587098	26.49%	1.669%
13	9.545	1090	1098	1105	rBV	835609	1398048	23.33%	1.471%
14	10.080	1182	1189	1201	rBV	1205456	2045231	34.14%	2.151%
15	10.239	1212	1216	1224	rVB4	39704	73161	1.22%	0.077%
16	10.451	1245	1252	1258	rBV	1854928	3092442	51.61%	3.253%
17	10.498	1258	1260	1266	rVV	52000	78099	1.30%	0.082%
18	10.598	1269	1277	1293	rBV	433344	831843	13.88%	0.875%
19	13.210	1717	1721	1731	rBV6	43408	88550	1.48%	0.093%
20	13.733	1804	1810	1814	rBV	2104719	2941748	49.10%	3.094%
21	13.780	1814	1818	1826	rVB	936722	1319316	22.02%	1.388%
22	14.010	1845	1857	1871	rBV2	2402859	4306331	71.87%	4.530%
23	14.221	1887	1893	1898	rVB3	56146	77411	1.29%	0.081%
24	14.321	1898	1910	1917	rBV2	2630494	4063136	67.81%	4.274%
25	14.380	1917	1920	1926	rVB	38877	64868	1.08%	0.068%
26	14.539	1938	1947	1959	rBV	654810	1205641	20.12%	1.268%
27	15.180	2052	2056	2062	rVB3	86430	123781	2.07%	0.130%
28	15.315	2073	2079	2085	rBV	2966464	4142508	69.14%	4.357%
29	15.374	2085	2089	2096	rVB3	43803	82035	1.37%	0.086%
30	15.445	2096	2101	2107	rBV	382822	567139	9.47%	0.597%
31	15.557	2113	2120	2121	rBV4	45825	66506	1.11%	0.070%
32	15.580	2122	2124	2130	rVB4	55627	81438	1.36%	0.086%
33	16.062	2196	2206	2214	rVB3	206292	556141	9.28%	0.585%
34	16.727	2314	2319	2324	rVB2	70218	108851	1.82%	0.114%

LSC Area Percent Report

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Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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	16.833	2333	2337	2342	rVV3	125322	180420	3.01%	0.190%
36	16.886	2342	2346	2350	rVB3	98249	145096	2.42%	0.153%
37	16.980	2358	2362	2367	rVB7	40940	69632	1.16%	0.073%
38	17.068	2371	2377	2382	rVV2	3227089	4534433	75.68%	4.770%
39	17.109	2382	2384	2388	rVV	302660	366608	6.12%	0.386%
40	17.168	2388	2394	2398	rVV	2873471	4335261	72.36%	4.560%
41	17.198	2398	2399	2405	rVV	517537	540158	9.02%	0.568%
42	17.262	2405	2410	2415	rVB6	54055	111586	1.86%	0.117%
43	17.462	2435	2444	2455	rBV3	264763	723315	12.07%	0.761%
44	17.568	2459	2462	2469	rVB4	73070	124724	2.08%	0.131%
45	17.745	2489	2492	2502	rVB7	69162	109621	1.83%	0.115%
46	17.974	2526	2531	2540	rBV2	892950	1261376	21.05%	1.327%
47	18.068	2545	2547	2552	rVB2	79705	93194	1.56%	0.098%
48	18.145	2556	2560	2563	rVB2	106735	134920	2.25%	0.142%
49	18.486	2615	2618	2625	rVB	163325	234449	3.91%	0.247%
50	18.833	2673	2677	2686	rBV2	551502	908292	15.16%	0.955%
51	18.921	2690	2692	2696	rVB4	142035	176033	2.94%	0.185%
52	19.009	2703	2707	2713	rBV	237982	362826	6.06%	0.382%
53	19.127	2722	2727	2735	rVB	1257756	1752808	29.25%	1.844%
54	19.256	2745	2749	2759	rVV4	656964	1135066	18.94%	1.194%
55	19.468	2779	2785	2787	rBV	2919560	4211772	70.29%	4.430%
56	19.492	2787	2789	2798	rVV	1840571	2511427	41.92%	2.642%
57	19.574	2799	2803	2811	rVB5	130469	204420	3.41%	0.215%
58	19.733	2828	2830	2835	rVB2	119031	150103	2.51%	0.158%
59	19.821	2841	2845	2851	rBV4	260210	512076	8.55%	0.539%
60	19.909	2857	2860	2863	rBV2	158953	177240	2.96%	0.186%
61	19.974	2864	2871	2877	rVB2	354272	1072631	17.90%	1.128%
62	20.092	2888	2891	2894	rVB2	152785	164756	2.75%	0.173%
63	20.144	2895	2900	2904	rBV4	356774	662226	11.05%	0.697%
64	20.292	2921	2925	2928	rBV	315886	502680	8.39%	0.529%
65	20.450	2949	2952	2957	rVB	274125	315011	5.26%	0.331%
66	20.503	2958	2961	2965	rVB2	225856	284930	4.76%	0.300%
67	20.621	2978	2981	2984	rVB	232343	250736	4.18%	0.264%
68	20.739	2998	3001	3007	rVB2	384222	550718	9.19%	0.579%
69	20.903	3026	3029	3033	rVB	315326	406848	6.79%	0.428%
70	20.944	3033	3036	3038	rBV	228372	235112	3.92%	0.247%
71	20.980	3038	3042	3047	rVB2	1179430	1569835	26.20%	1.651%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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	21.262	3083	3090	3094	rBV2	3223595	5991590	100.00%	6.302%
73	21.297	3094	3096	3103	rVB2	1043854	1237318	20.65%	1.302%
74	21.415	3113	3116	3123	rBV2	293029	475817	7.94%	0.501%
75	21.562	3139	3141	3147	rVB2	317284	456045	7.61%	0.480%
76	21.927	3200	3203	3207	rVB2	375519	435711	7.27%	0.458%
77	22.821	3349	3355	3360	rBV	2548167	5442599	90.84%	5.725%
78	22.985	3379	3383	3389	rBV	474749	760541	12.69%	0.800%
79	23.297	3430	3436	3440	rBV	1053658	1916039	31.98%	2.015%
80	23.344	3440	3444	3448	rVV2	1283405	2327853	38.85%	2.449%
81	23.385	3448	3451	3459	rVB	1247552	2269127	37.87%	2.387%
82	23.485	3462	3468	3473	rBV	1433073	2641746	44.09%	2.779%
83	25.715	3839	3847	3858	rVB	814049	2348287	39.19%	2.470%

Sum of corrected areas: 95066936

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Misc :
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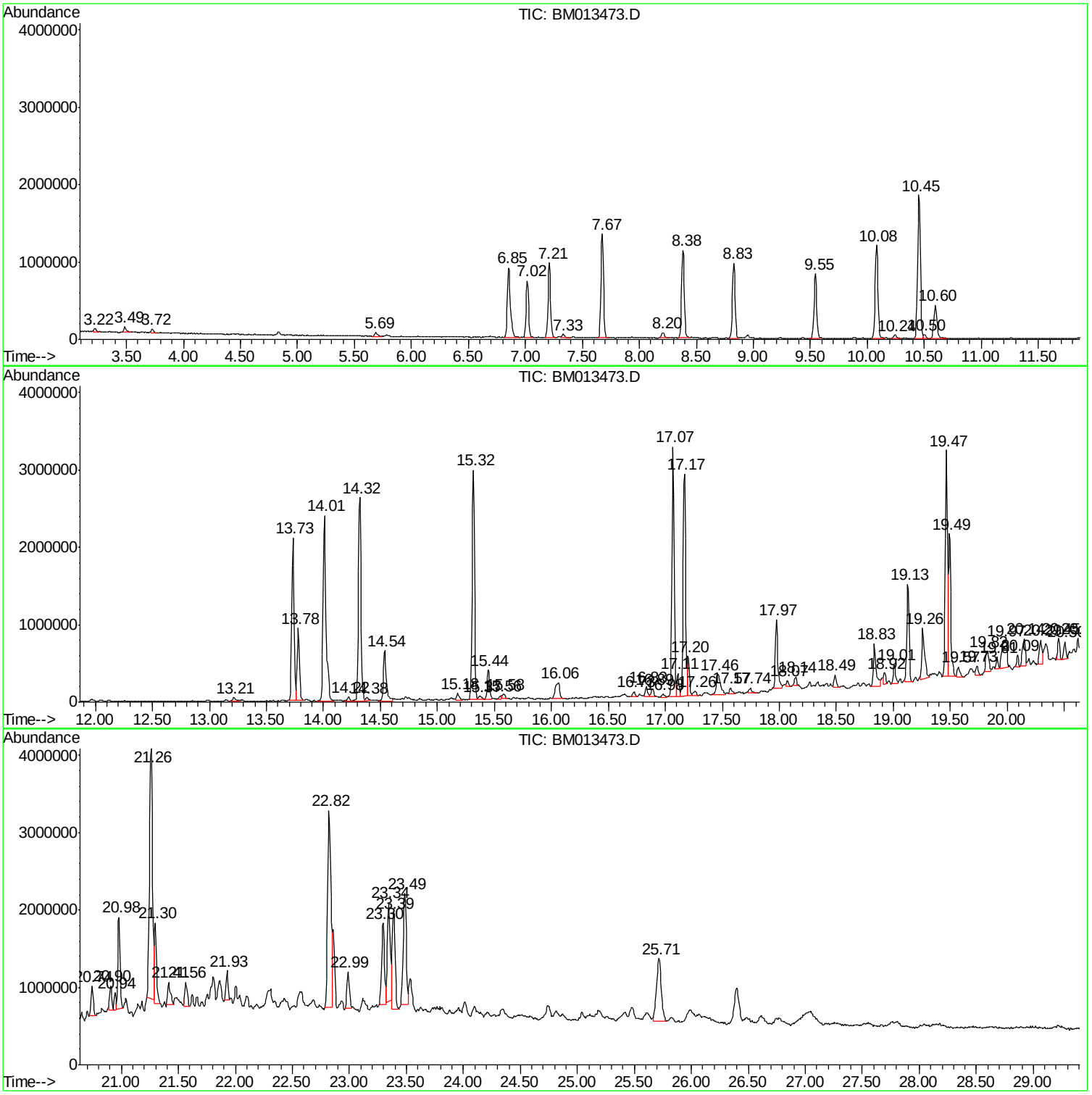
Instrument :
BNA_M
ClientSampleId :
F9A67

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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Data File : BM013473.D
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Operator : SJ/JU
Sample : I6778-02
Misc :
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Instrument : BNA_M
ClientSampleId : F9A67

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

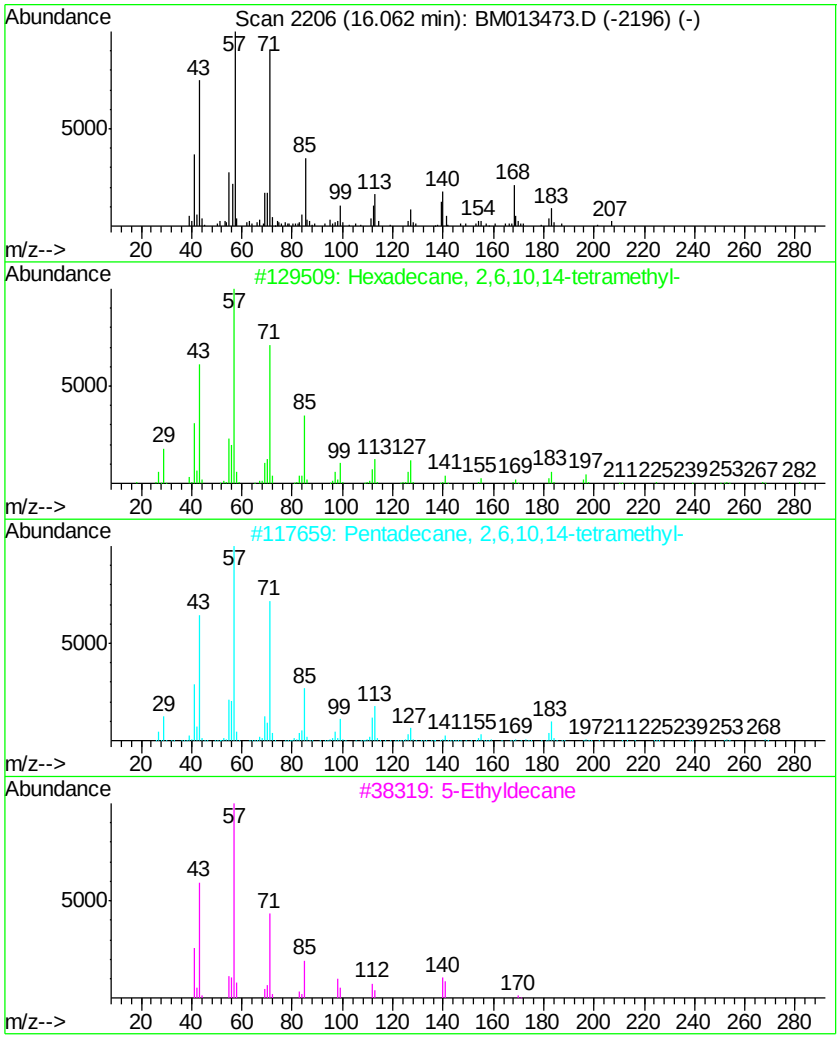
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

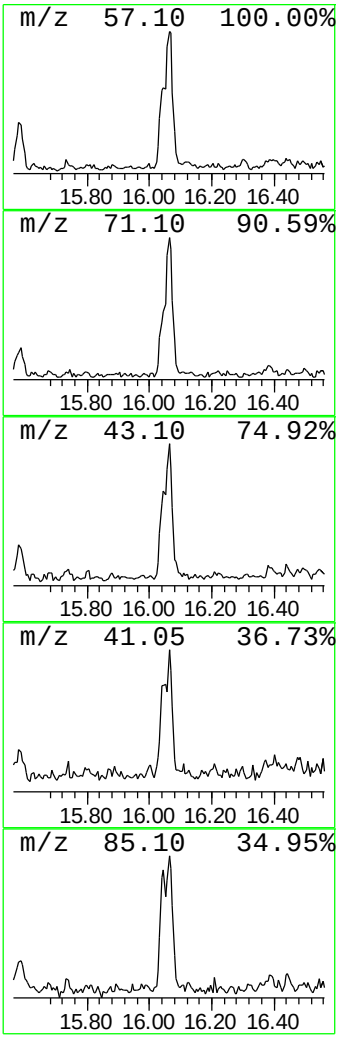
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.45 ng/ul	556141	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
3	5-Ethyldecane	170	C12H26	017302-36-2	62
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	59
5	Dodecane	170	C12H26	000112-40-3	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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

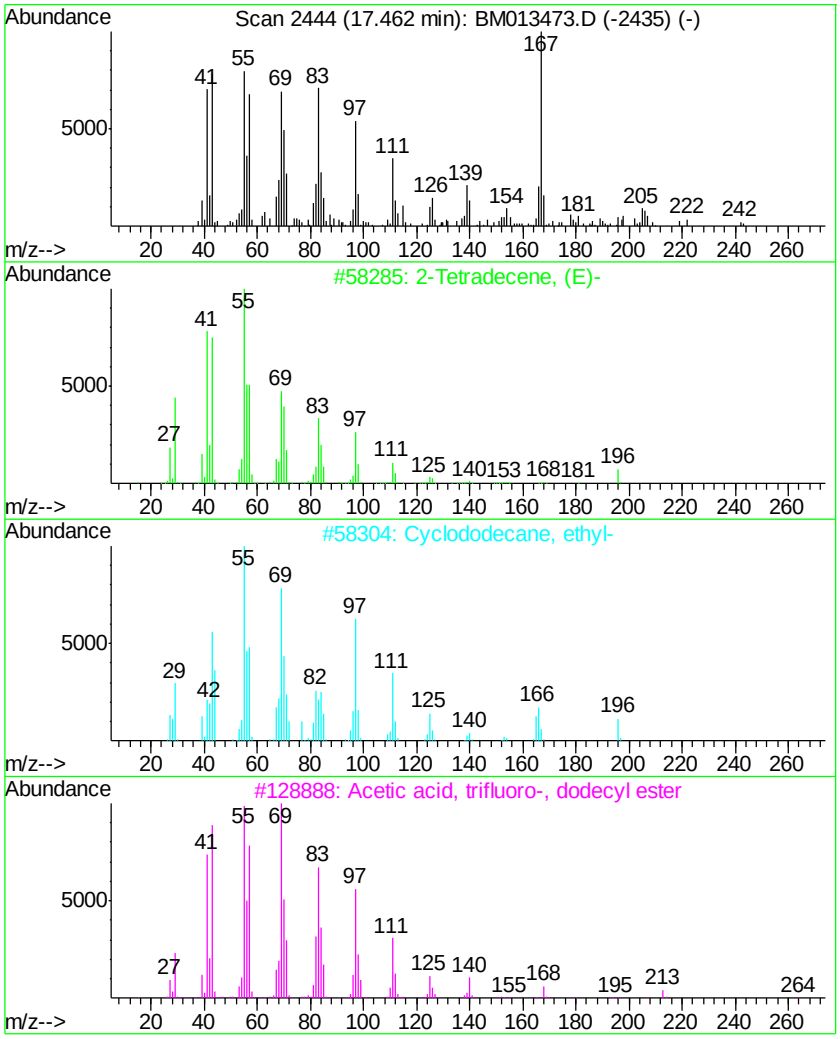
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

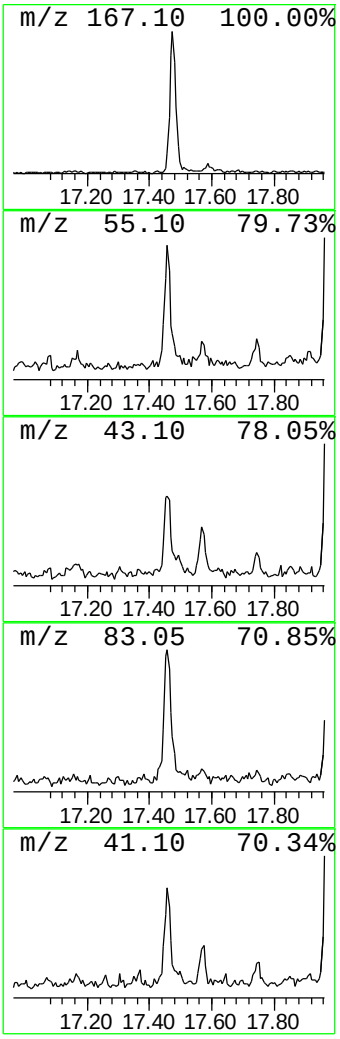
****

Peak Number 2 (DEL) Alkane: Cyclic17.46 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	3.19 ng/ul	723315	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tetradecene, (E)-	196	C14H28	035953-54-9	95
2	Cyclododecane, ethyl-	196	C14H28	028981-49-9	55
3	Acetic acid, trifluoro-, dodecyl...	282	C14H25F3O2	006222-00-0	55
4	Cyclododecane	168	C12H24	000294-62-2	55
5	n-Tridecan-1-ol	200	C13H28O	000112-70-9	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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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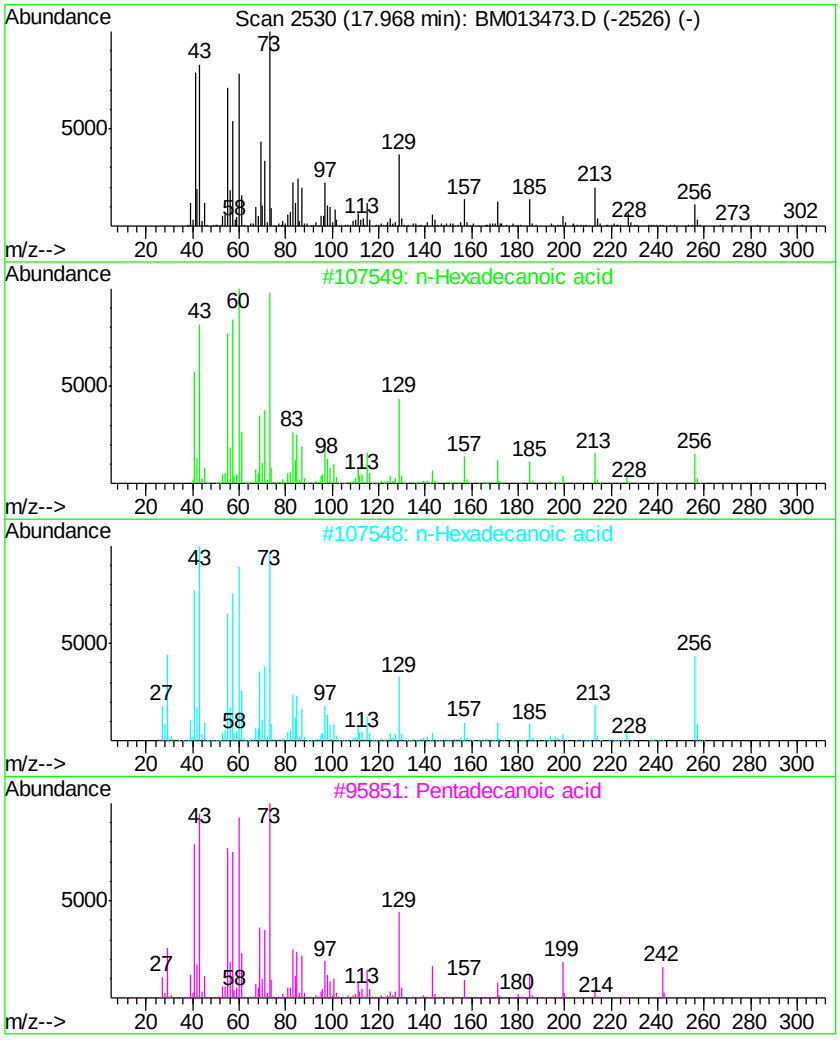
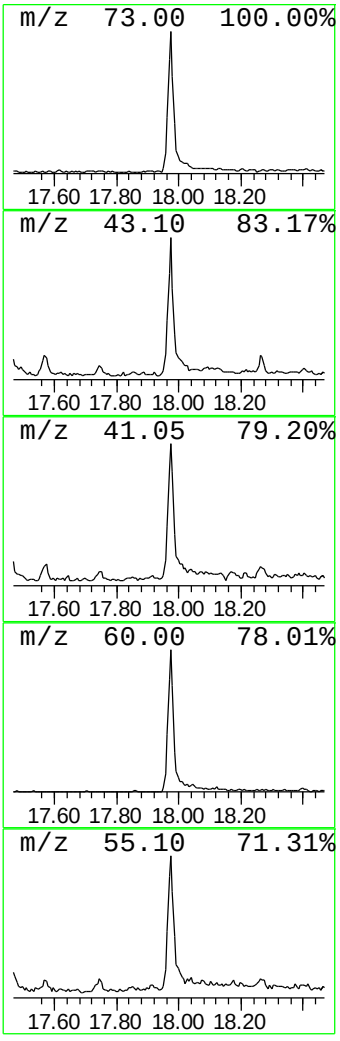
Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.56 ng/ul	1261380	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	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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

TIC Library : C:\DATABASE\NIST11.L
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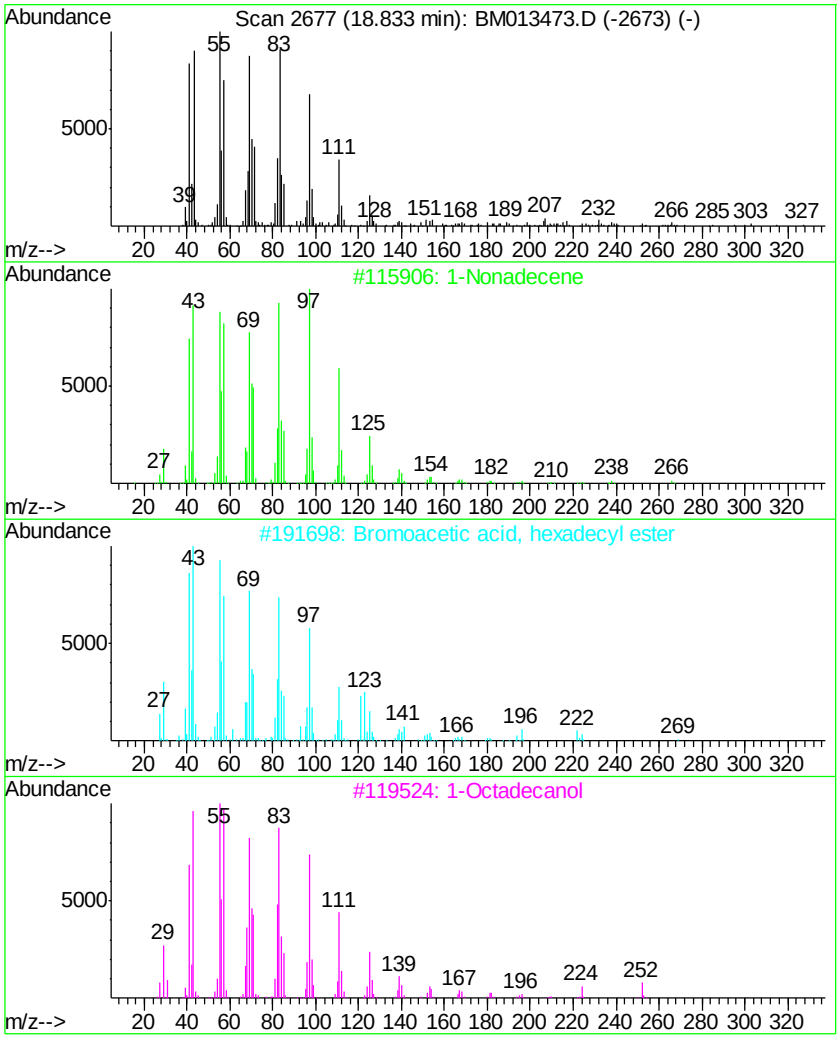
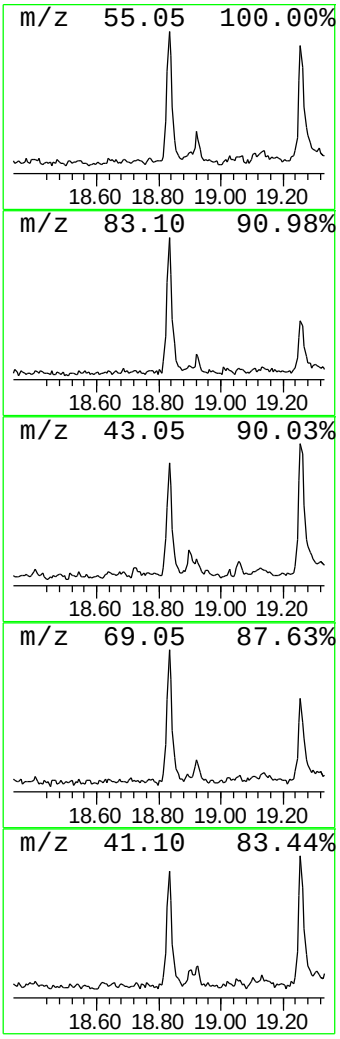
Peak Number 4 (DEL) Alkane: Cyclic18.83 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	4.01 ng/ul	908292	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	99
2	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	94
3	1-Octadecanol	270	C18H38O	000112-92-5	94
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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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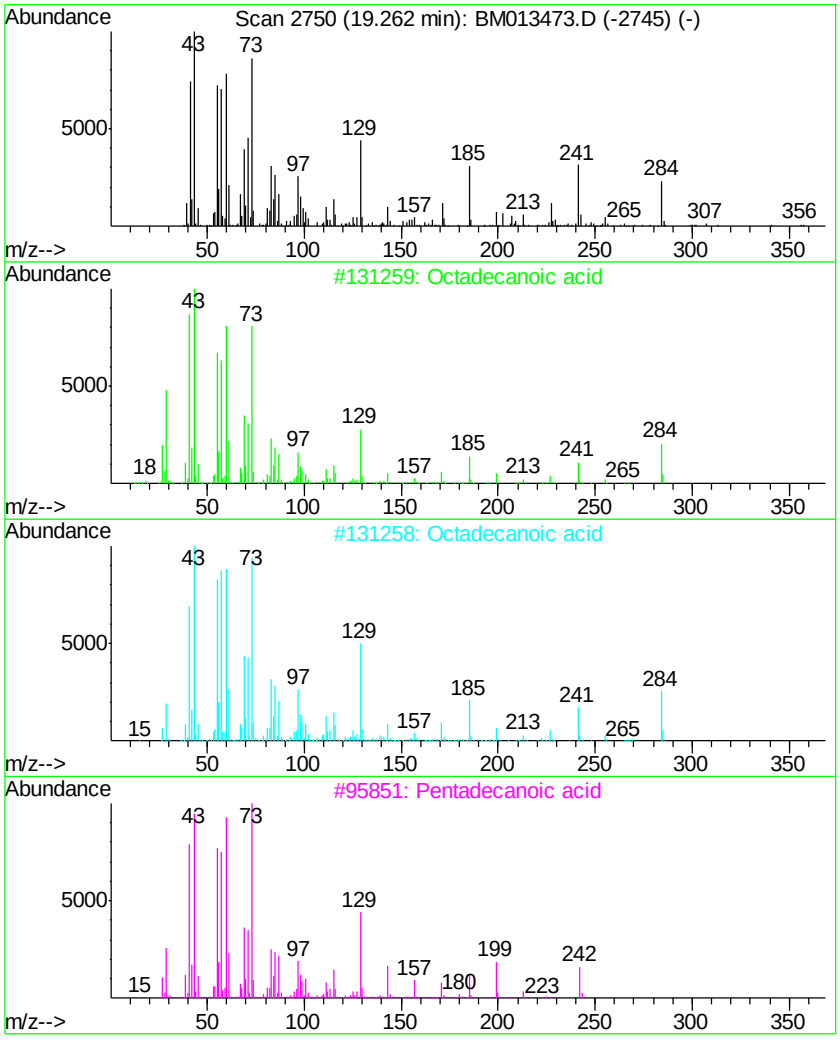
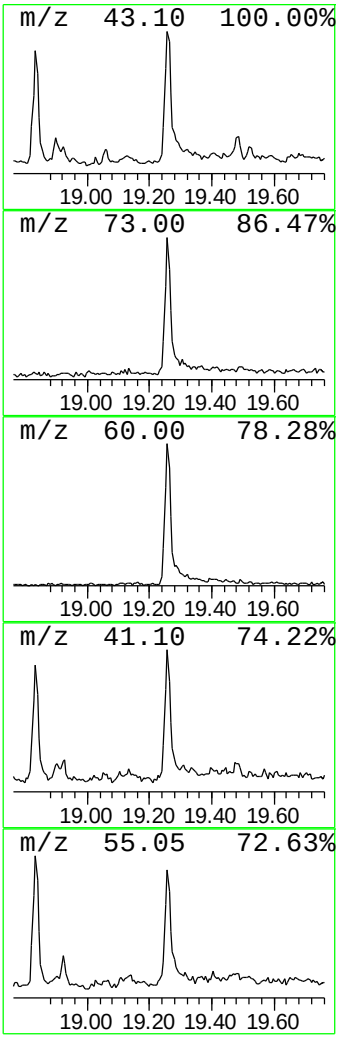
Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	3.79 ng/ul	1135070	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Docosanoic acid	340	C22H44O2	000112-85-6	89
5	Octadecanoic acid	284	C18H36O2	000057-11-4	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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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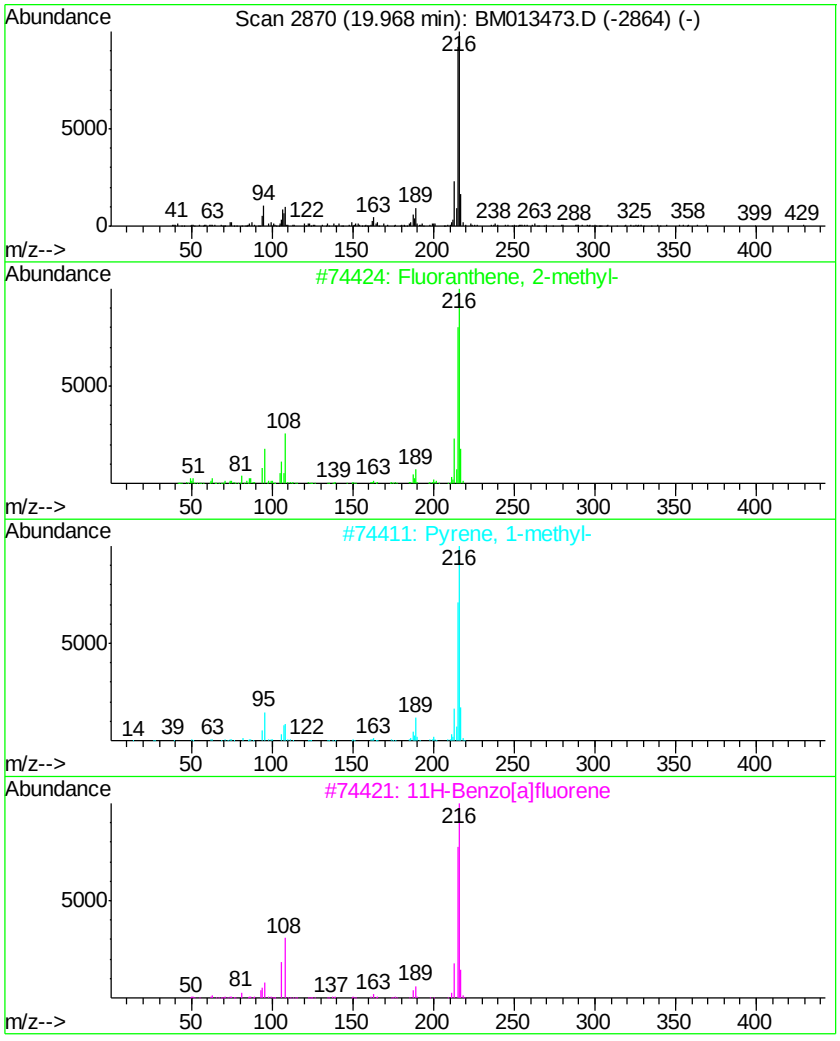
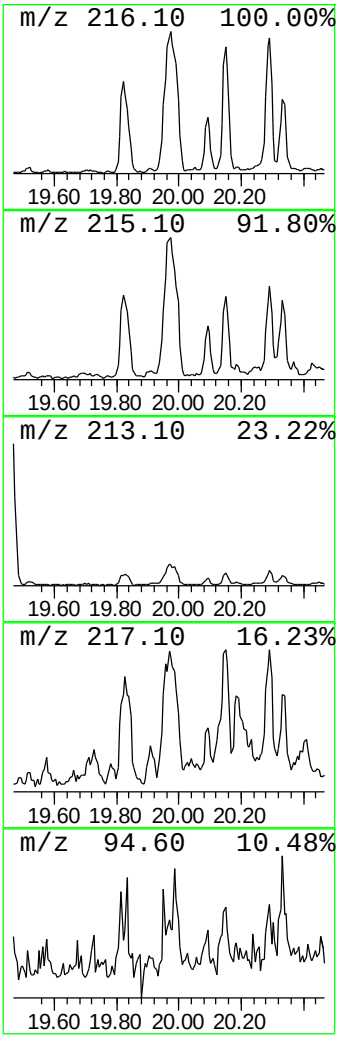
Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	3.58 ng/ul	1072630	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	72





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Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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Quant Title : SVOA CALIBRATION

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

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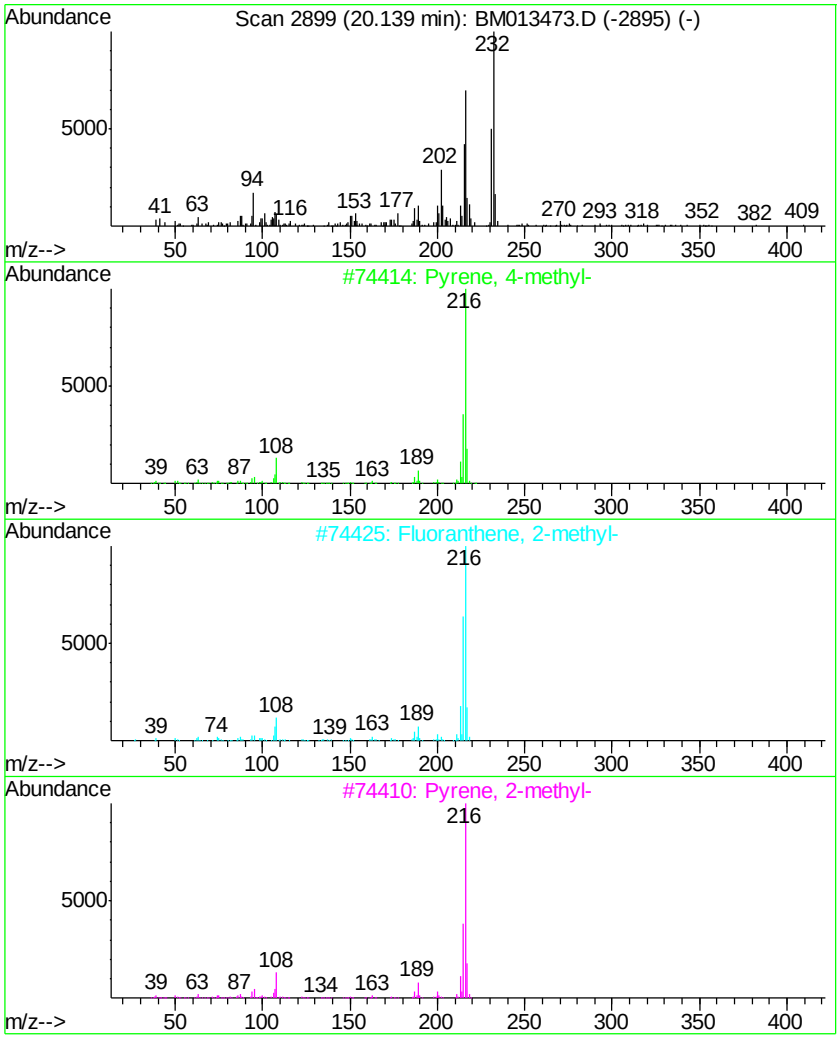
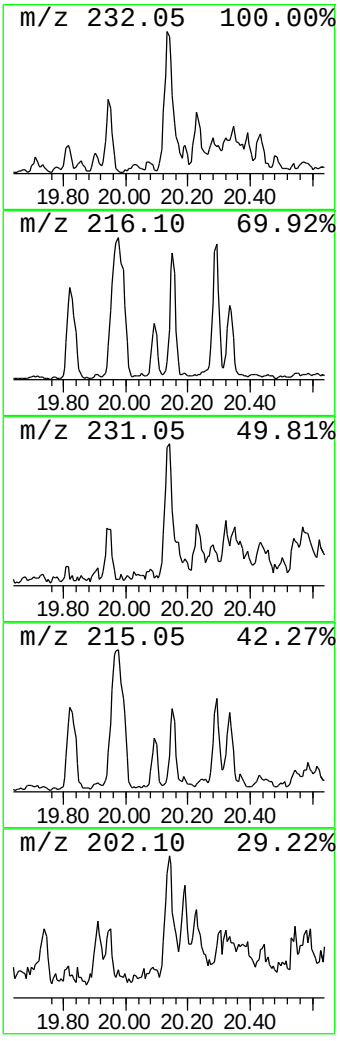
Peak Number 7 Pyrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.21 ng/ul	662226	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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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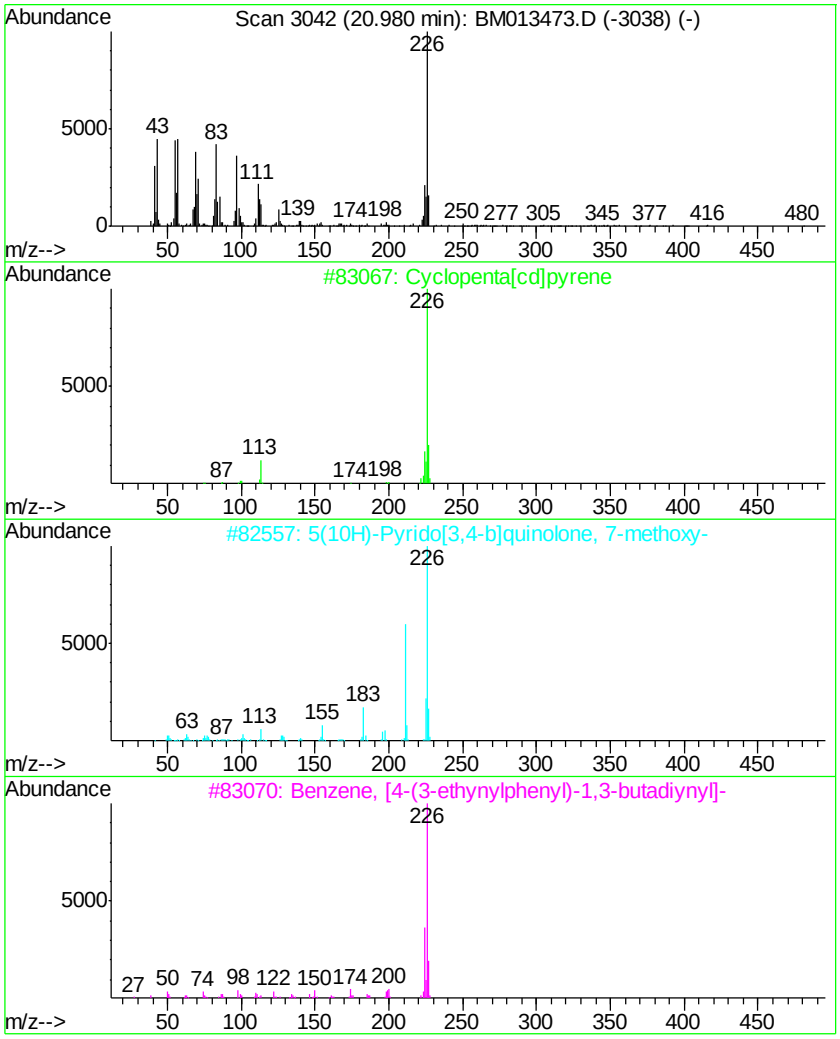
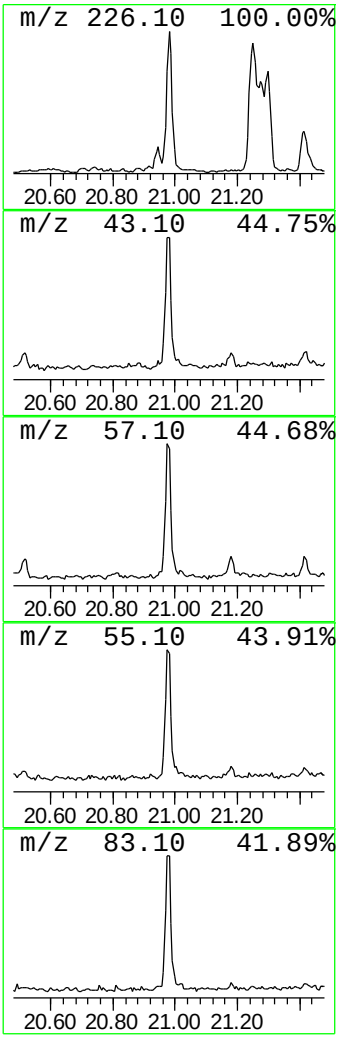
Peak Number 8 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	5.24 ng/ul	1569840	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	45
2	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	35
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35
4	Ethylamine, N,N-diheptyl-2-(2-th...	323	C20H37NS	1000310-34-6	27
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013473.D
Acq On : 16 Dec 2017 11:46
Operator : SJ/JU
Sample : I6778-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A67

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...	16.06	2.5	ng/ul	556141	4	17.07	4534430	20.0
(DEL) Alkane: Cyc...	17.46	3.2	ng/ul	723315	4	17.07	4534430	20.0
n-Hexadecanoic acid	17.97	5.6	ng/ul	1261380	4	17.07	4534430	20.0
(DEL) Alkane: Cyc...	18.83	4.0	ng/ul	908292	4	17.07	4534430	20.0
Octadecanoic acid	19.26	3.8	ng/ul	1135070	5	21.26	5991590	20.0
Fluoranthene, 2-m...	19.97	3.6	ng/ul	1072630	5	21.26	5991590	20.0
Pyrene, 4-methyl-	20.14	2.2	ng/ul	662226	5	21.26	5991590	20.0
unknown-01	20.98	5.2	ng/ul	1569840	5	21.26	5991590	20.0