LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

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-BM101217.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	3.234	22	25	34	rVB	43093	67878	1.11%	0.091%
2	6.992	657	664	677	rVB	887734	1519657	24.93%	2.033%
3	7.151	683	691	701	rBV	690279	1105236	18.13%	1.479%
4	7.351	719	725	740	rBV	976288	1606898	26.36%	2.150%
5	7.822	799	805	813	rBV	791611	1263878	20.74%	1.691%
6	8.533	918	926	941	rBV	1003900	1745882	28.64%	2.336%
7	8.992	997	1004	1017	rBV	977889	1652512	27.11%	2.211%
8	9.716	1117	1127	1139	rBV	871808	1550546	25.44%	2.074%
9	10.251	1211	1218	1239	rBV	1265229	2315479	37.99%	3.098%
10	10.627	1275	1282	1288	rBV	1098955	1841509	30.21%	2.464%
11	10.769	1299	1306	1328	rBV	631996	1291796	21.19%	1.728%
12	13.880	1826	1835	1840	rBV	2399422	3485937	57.19%	4.663%
13	13.927	1840	1843	1857	rVB	778945	1024659	16.81%	1.371%
14	14.168	1877	1884	1899	rBV	2783372	4123107	67.65%	5.516%
15	14.327	1901	1911	1912	rVV3	63755	157163	2.58%	0.210%
16	14.351	1913	1915	1923	rVB3	74205	92057	1.51%	0.123%
17	14.474	1930	1936	1944	rVV2	1478455	2305015	37.82%	3.084%
18	14.692	1967	1973	1986	rBV	542243	1087547	17.84%	1.455%
19	15.304	2072	2077	2081	rVB2	108627	141814	2.33%	0.190%
20	15.468	2098	2105	2111	rBV	3427862	4895068	80.31%	6.549%
21	15.609	2123	2129	2138	rBV	801017	1211045	19.87%	1.620%
22	15.704	2139	2145	2152	rVB2	57965	105978	1.74%	0.142%
23	16.162	2218	2223	2231	rBV	139785	236709	3.88%	0.317%
24	16.756	2315	2324	2328	rBV10	21861	64280	1.05%	0.086%
25	16.886	2341	2346	2352	rVB	41493	68922	1.13%	0.092%
26	16.956	2352	2358	2363	rBV3	101869	157173	2.58%	0.210%
27	17.221	2397	2403	2407	rBV2	1820996	2531262	41.53%	3.386%
28	17.262	2407	2410	2414	rVV	443091	615082	10.09%	0.823%
29	17.321	2414	2420	2433	rVB2	3382030	4996280	81.97%	6.684%
30	17.692	2480	2483	2487	rVB	57794	72298	1.19%	0.097%
31	18.098	2547	2552	2557	rBV	895002	1218424	19.99%	1.630%
32	18.145	2557	2560	2568	rVV2	166708	299740	4.92%	0.401%
33	18.227	2571	2574	2579	rVV	47438	77743	1.28%	0.104%
34	18.292	2580	2585	2589	rVV2	129482	250639	4.11%	0.335%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

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-BM101217.M
Title : SVOA CALIBRATION

35	18.327	2589	2591	2597	rVB	89557	119024	1.95%	0.159%
36	18.386	2598	2601	2610	rBV2	51731	103257	1.69%	0.138%
37	18.598	2633	2637	2641	rBV	77378	120985	1.98%	0.162%
38	18.645	2642	2645	2653	rVB4	49468	94700	1.55%	0.127%
39	19.015	2703	2708	2712	rBV2	144596	226762	3.72%	0.303%
40	19.168	2728	2734	2738	rBV5	58756	139553	2.29%	0.187%
41	19.280	2748	2753	2759	rVB	856233	1133040	18.59%	1.516%
42	19.374	2765	2769	2784	rBV	659321	1012287	16.61%	1.354%
43	19.615	2804	2810	2814	rBV	4193608	6094982	100.00%	8.154%
44	20.133	2896	2898	2904	rVB2	165247	209784	3.44%	0.281%
45	20.239	2913	2916	2919	rBV	87243	117096	1.92%	0.157%
46	21.086	3057	3060	3064	rBV	603533	742657	12.18%	0.994%
47	21.403	3108	3114	3118	rBV2	2107724	3313043	54.36%	4.432%
48	21.439	3118	3120	3125	rVB	483504	516494	8.47%	0.691%
49	22.438	3287	3290	3295	rBV	385650	480501	7.88%	0.643%
50	22.962	3375	3379	3383	rVB	732898	1039653	17.06%	1.391%
51	23.015	3384	3388	3404	rVB3	638093	1541617	25.29%	2.062%
52	23.574	3475	3483	3488	rVB3	2369169	5431873	89.12%	7.267%
53	23.721	3502	3508	3514	rBV	1232195	2327687	38.19%	3.114%
54	24.215	3588	3592	3603	rVB	1152053	2265695	37.17%	3.031%
55	24.991	3719	3724	3734	rVB	1093525	2539936	41.67%	3.398%

Sum of corrected areas: 74749839

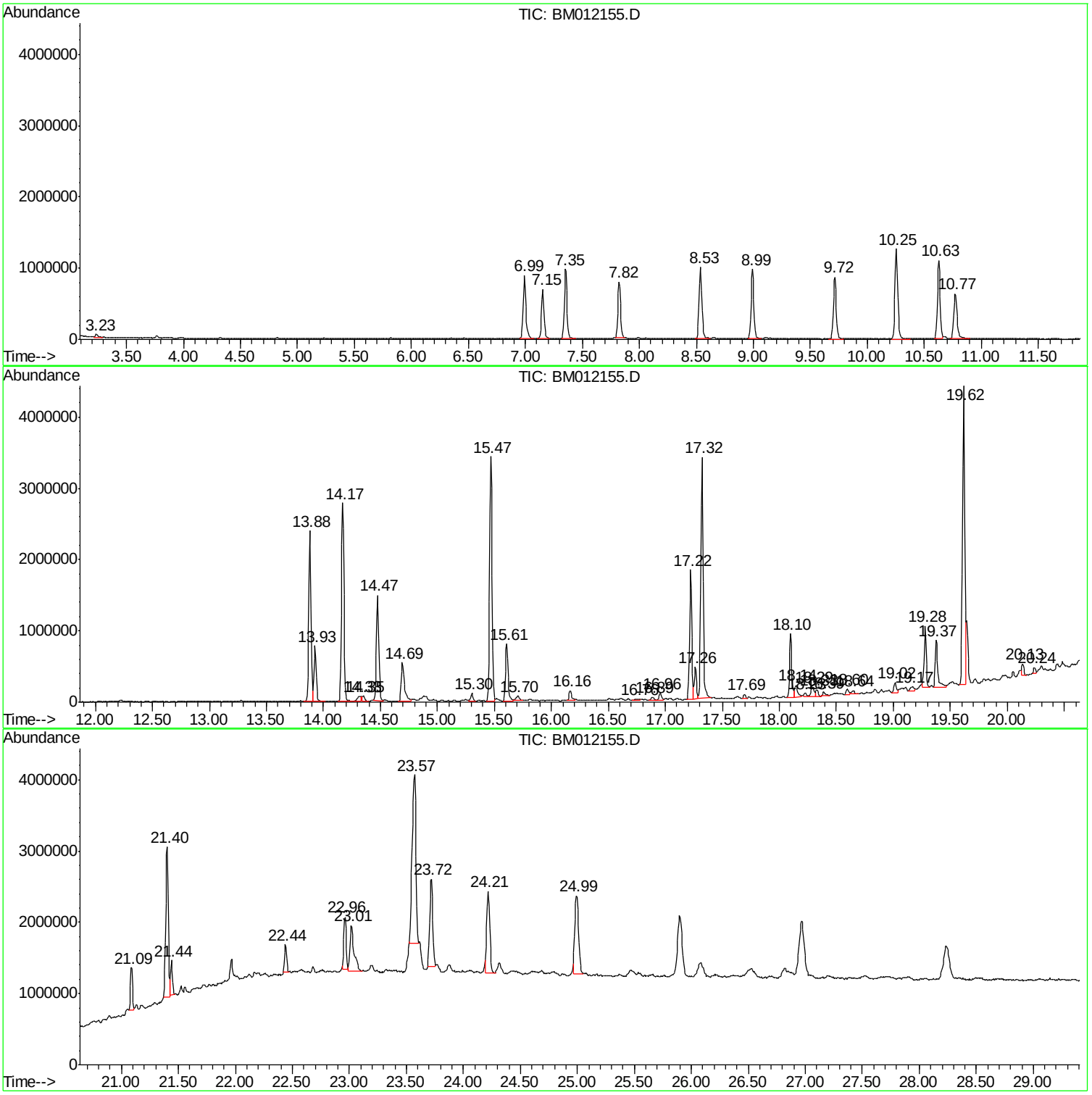
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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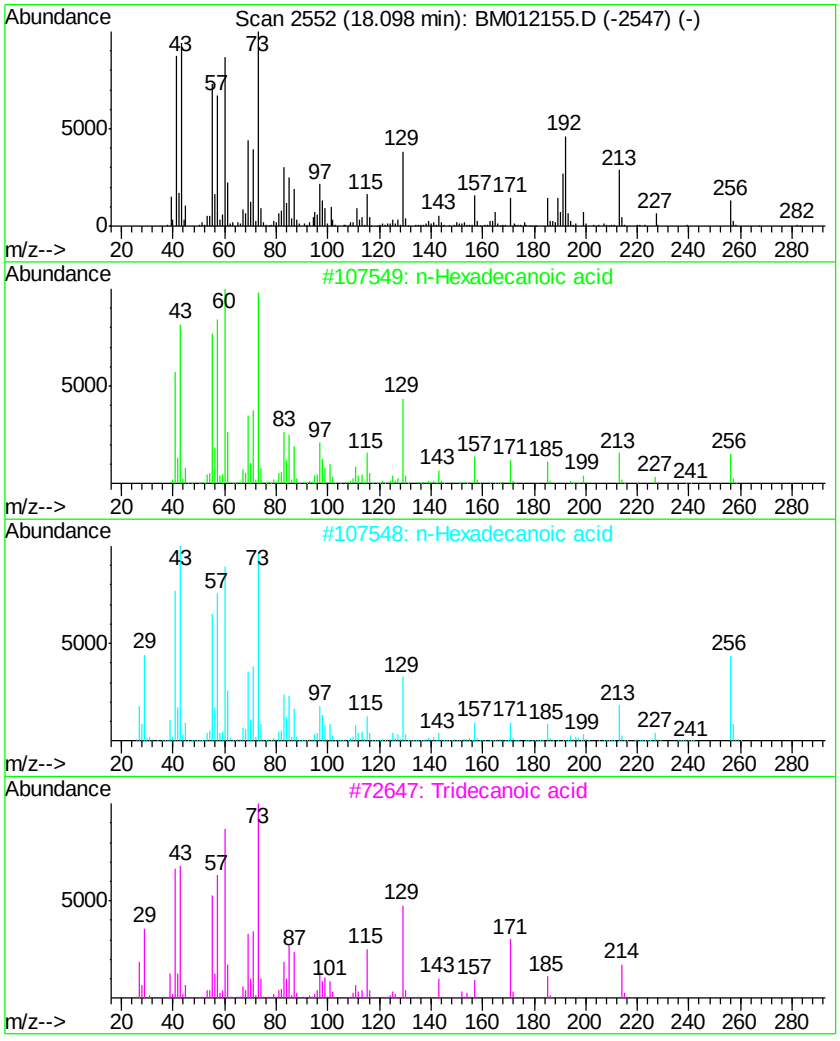
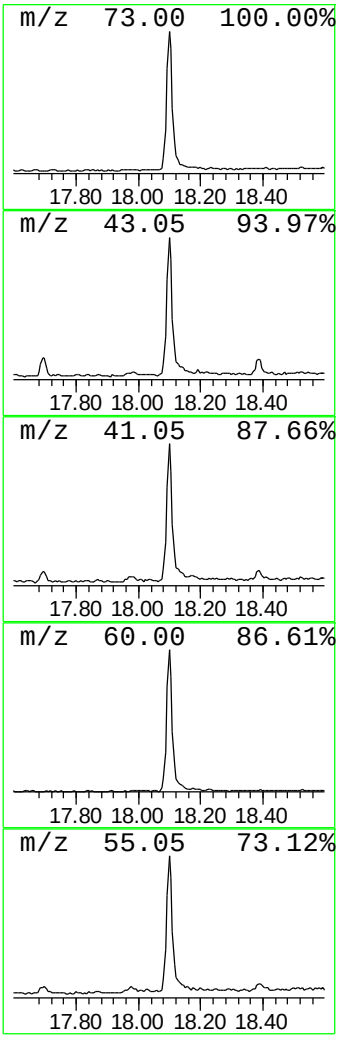
Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	9.63 ng/ul	1218420	Phenanthrene-d10	17.22

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	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
5	Tridecanoic acid	214	C13H26O2	000638-53-9	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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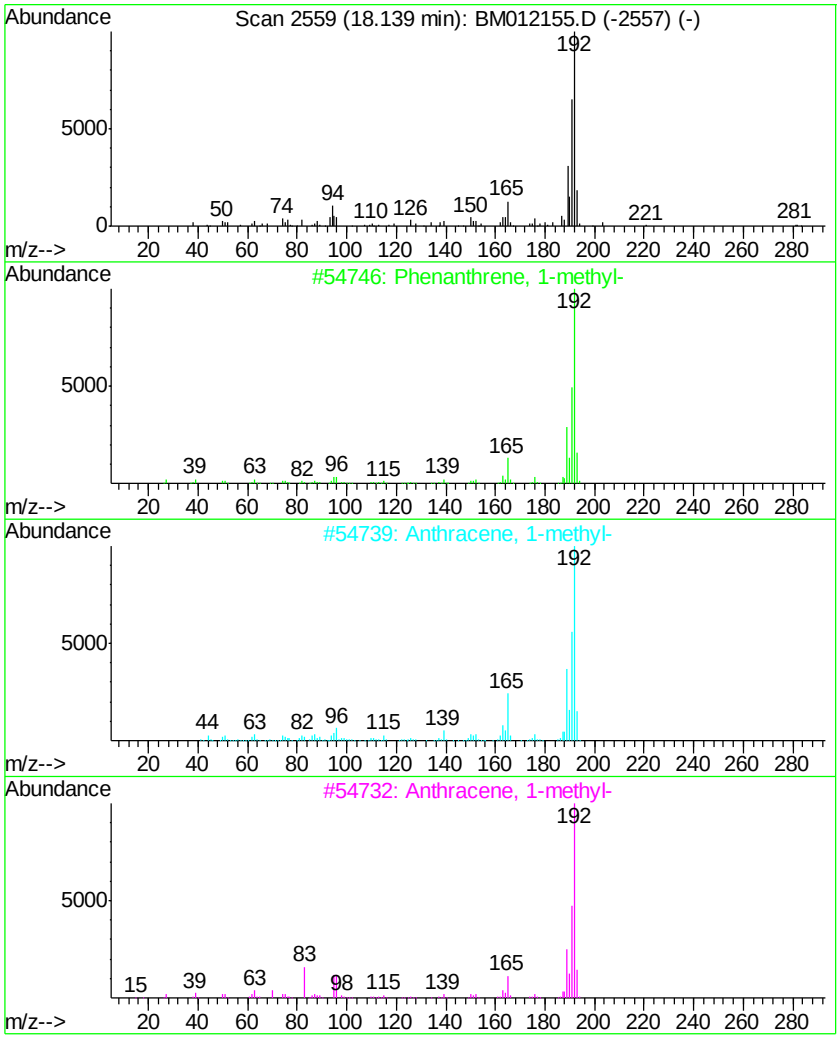
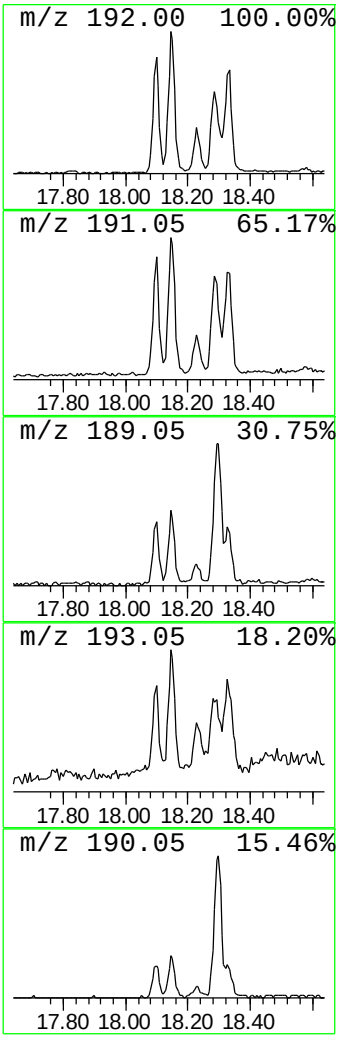
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.37 ng/ul	299740	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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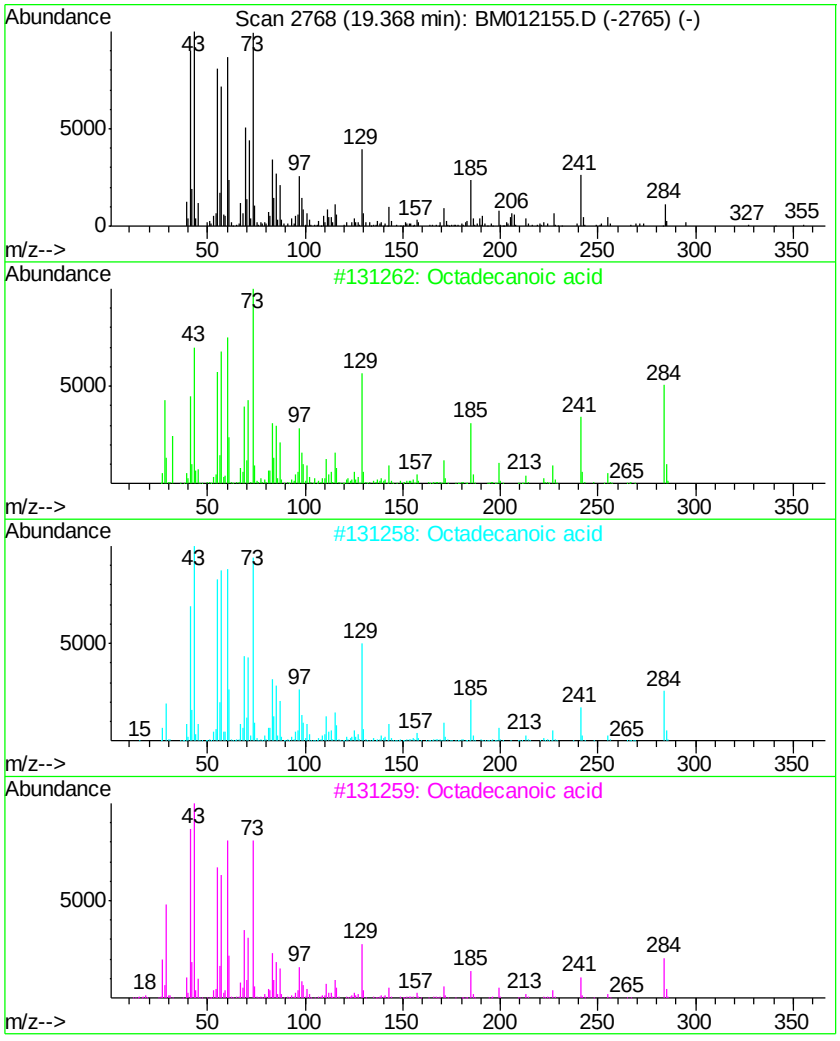
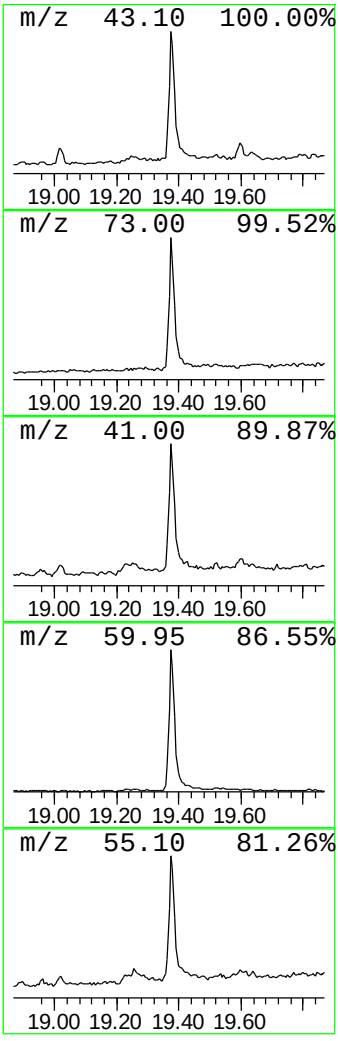
Peak Number 3 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	6.11 ng/ul	1012290	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	95
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
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Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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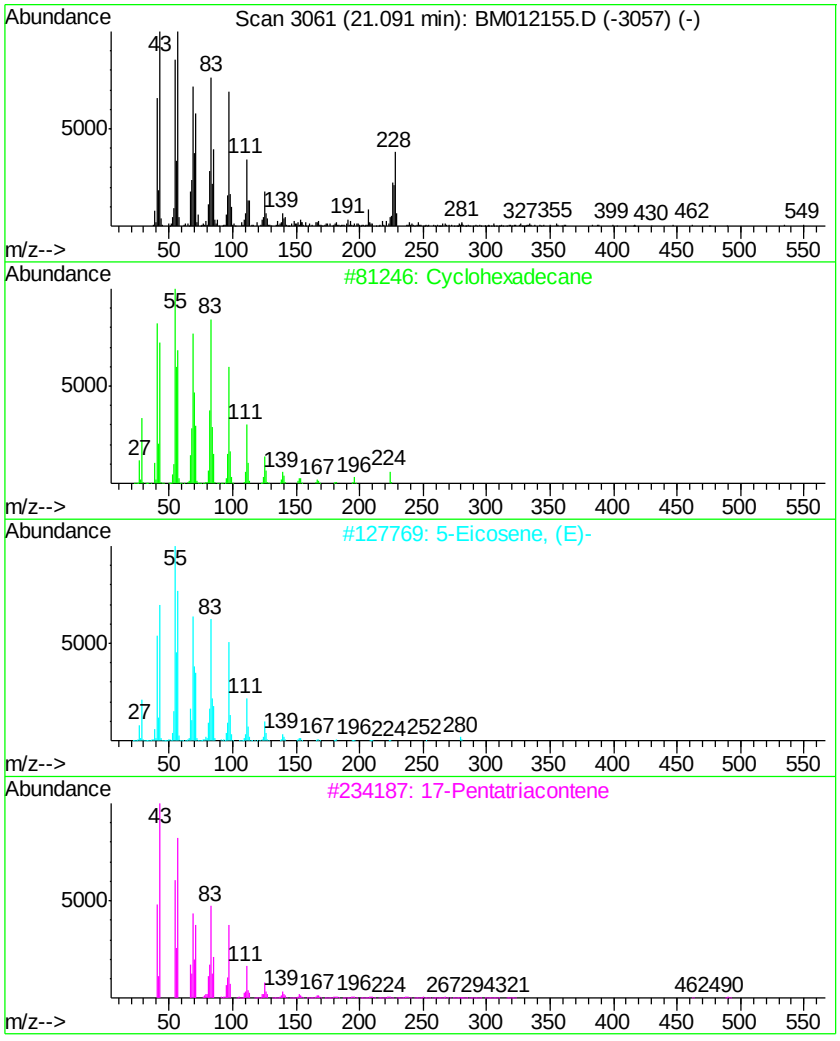
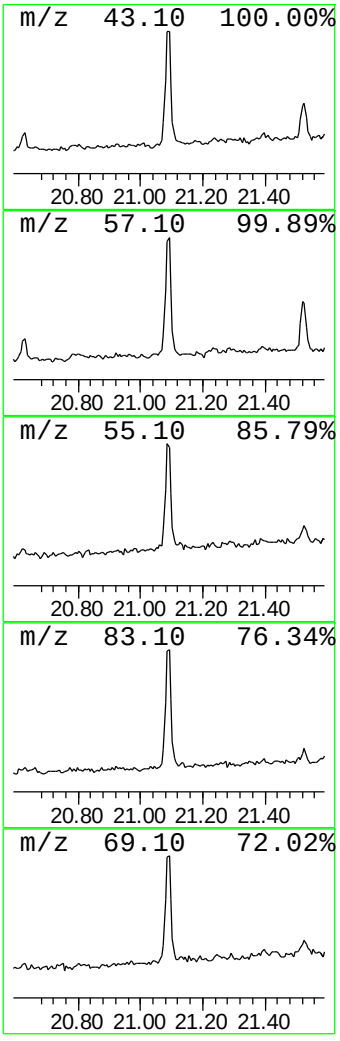
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	4.48 ng/ul	742657	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3	17-Pentatriacontene	491	C35H70	006971-40-0	93
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	90
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
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Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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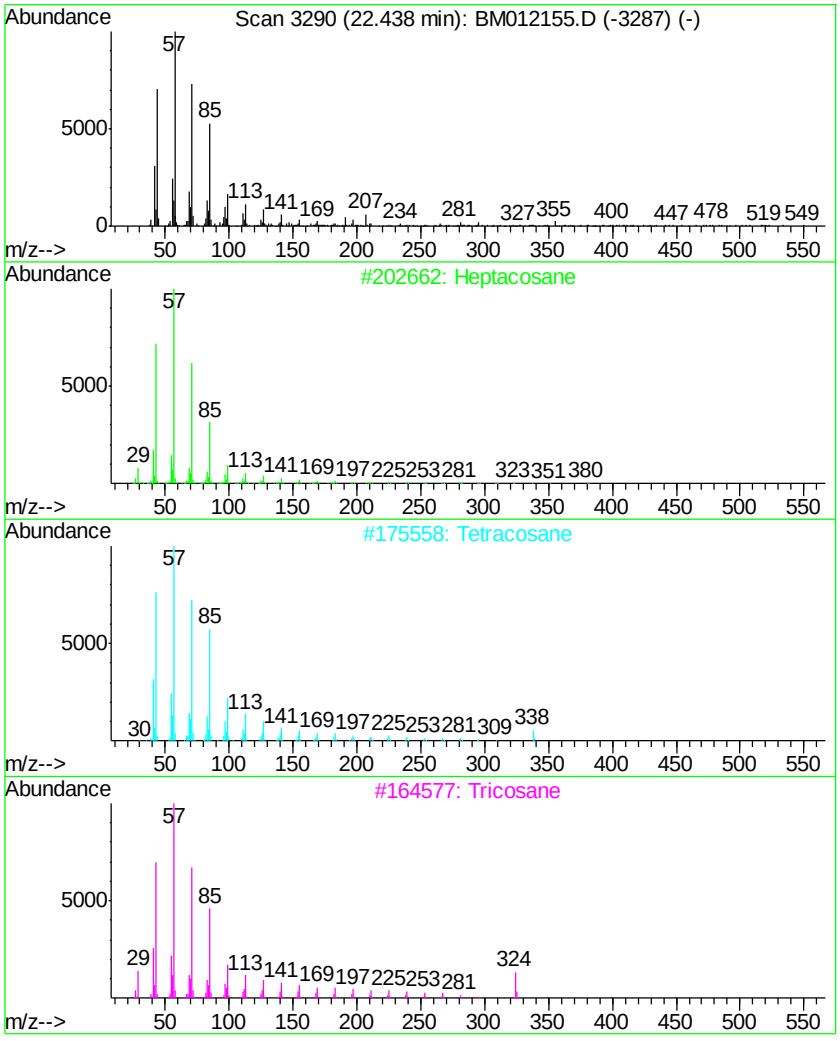
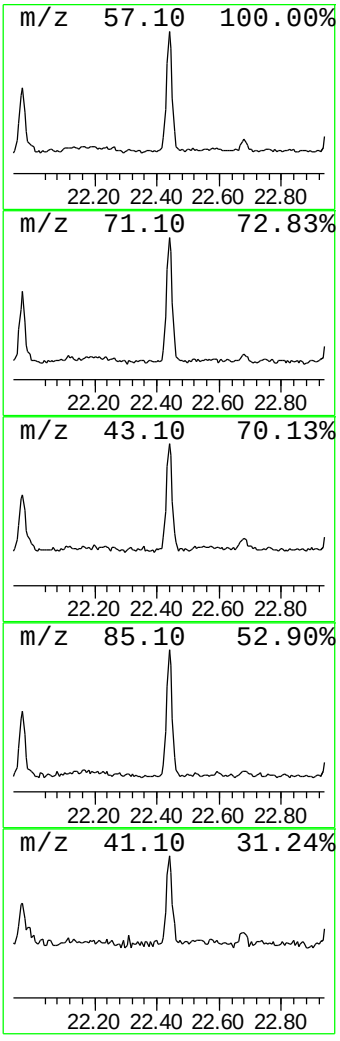
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	2.90 ng/ul	480501	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	94
2	Tetracosane	338	C24H50	000646-31-1	90
3	Tricosane	324	C23H48	000638-67-5	81
4	Eicosane	282	C20H42	000112-95-8	81
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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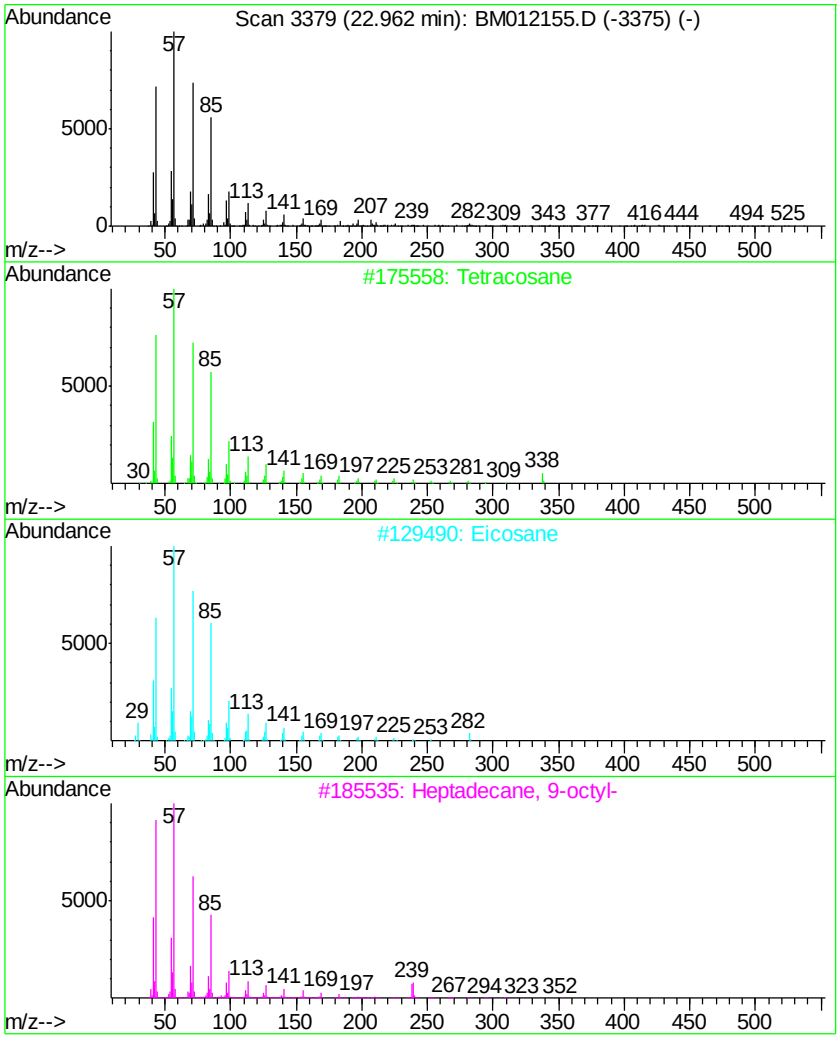
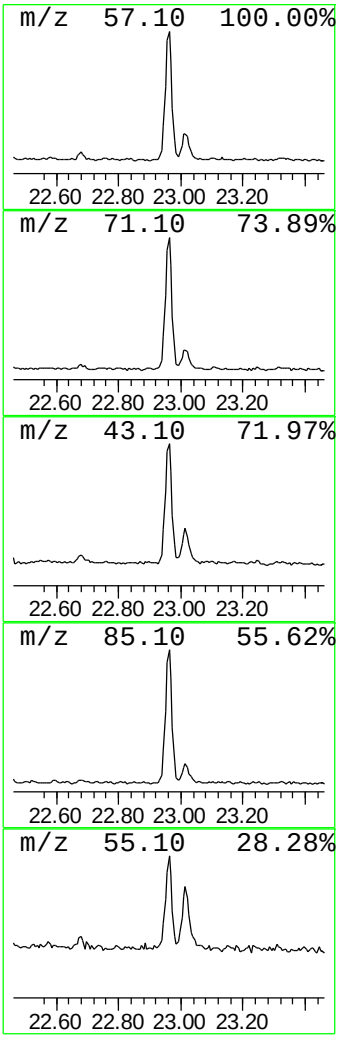
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	8.93 ng/ul	1039650	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	Eicosane	282	C20H42	000112-95-8	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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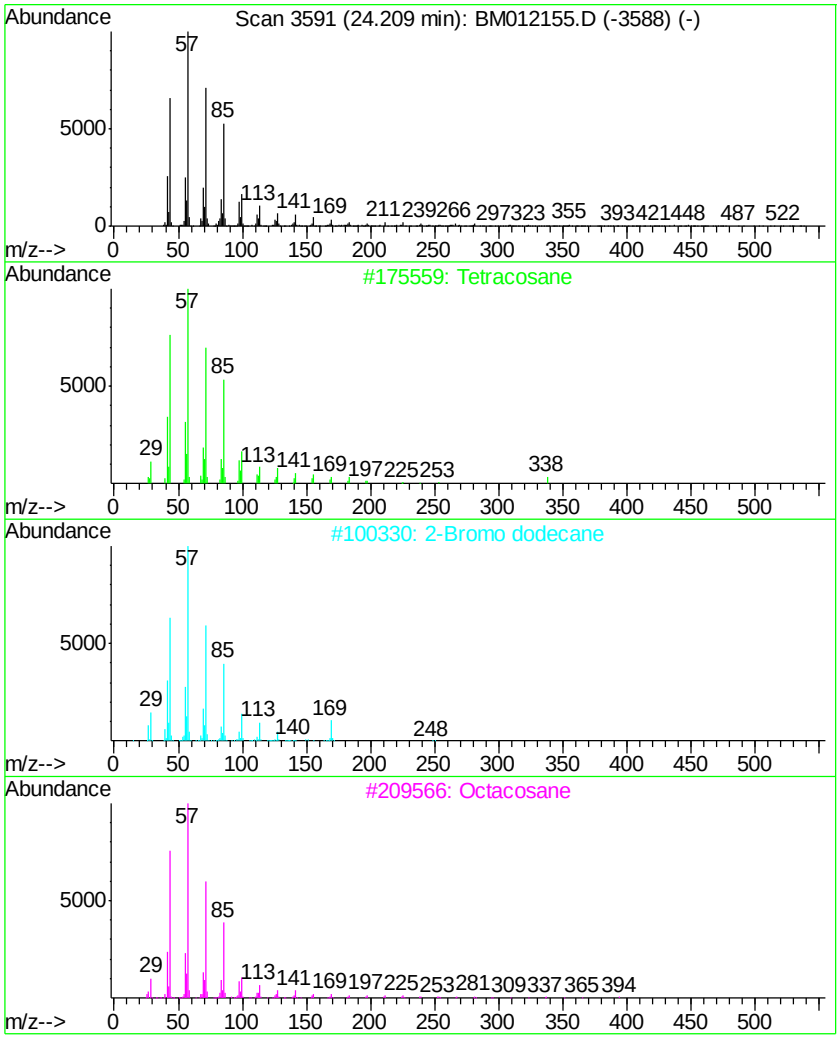
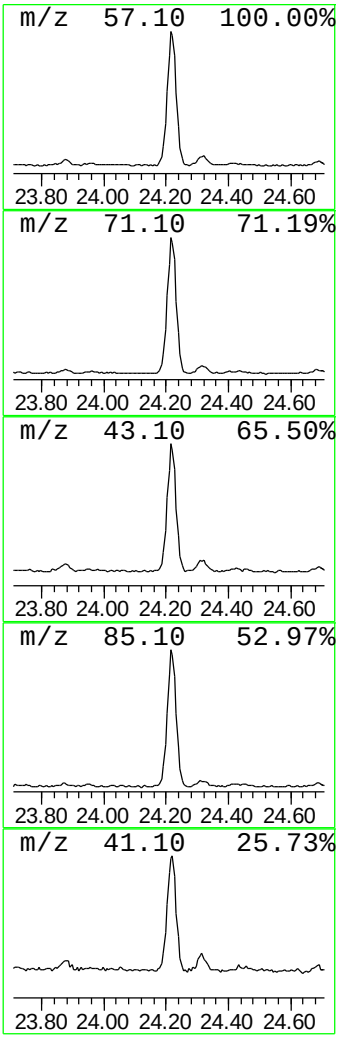
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.21	19.47 ng/ul	2265700	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	Octacosane	394	C28H58	000630-02-4	90
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	90
5	Hexacosane	366	C26H54	000630-01-3	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

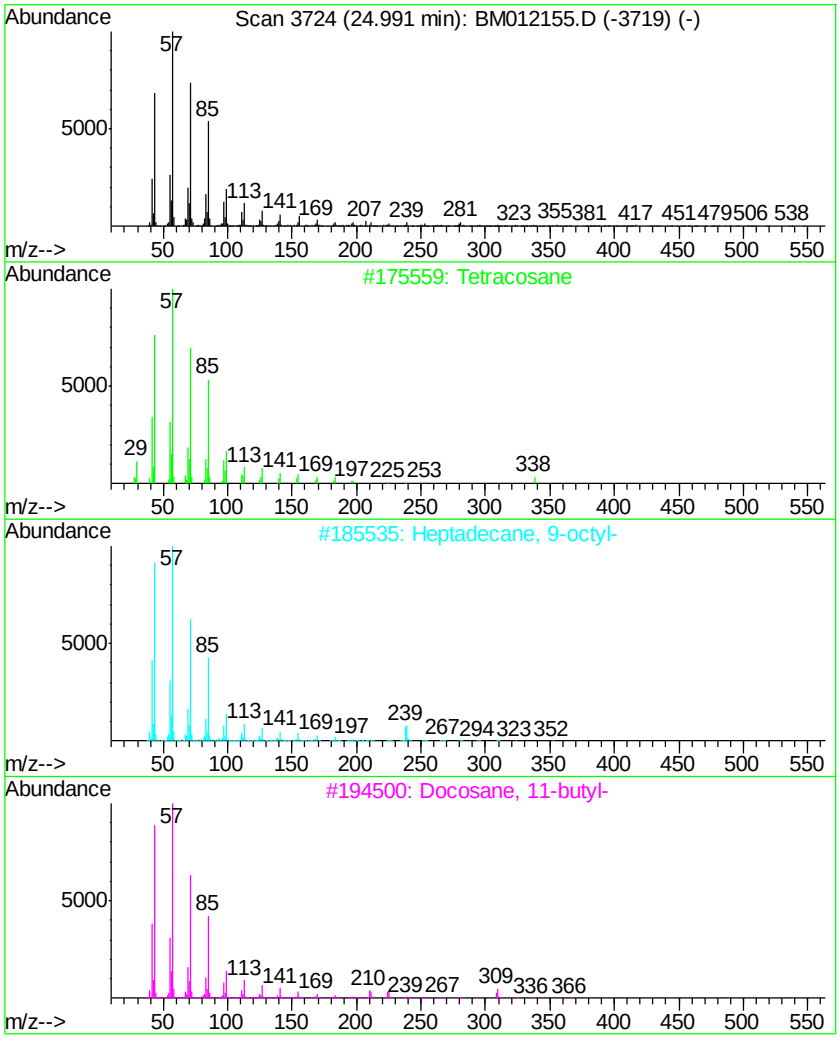
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

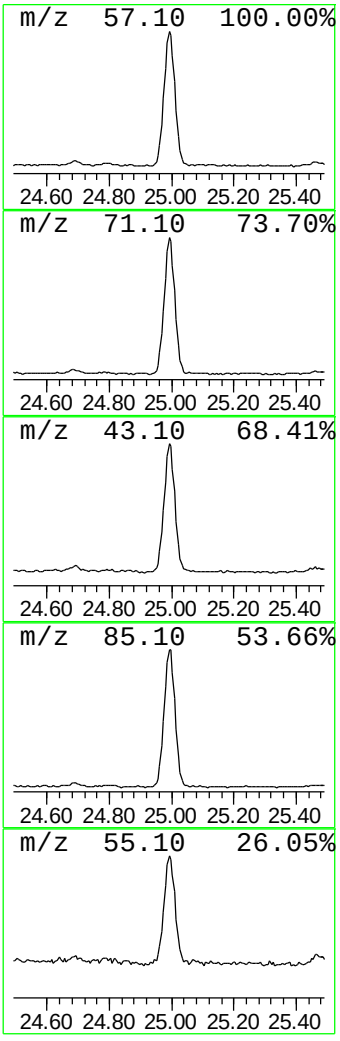
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.99	21.82 ng/ul	2539940	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	95
4	Hexacosane	366	C26H54	000630-01-3	94
5	Hexatriacontane	507	C36H74	000630-06-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012155.D
Acq On : 14 Oct 2017 03:51
Operator : SJ/JU
Sample : I5649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-39(0.5-1.5)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
n-Hexadecanoic acid	18.10	9.6	ng/ul	1218420	4	17.22	2531260	20.0
Phenanthrene, 1-m...	18.14	2.4	ng/ul	299740	4	17.22	2531260	20.0
Octadecanoic acid	19.37	6.1	ng/ul	1012290	5	21.40	3313040	20.0
(DEL) Alkane: Str...	21.09	4.5	ng/ul	742657	5	21.40	3313040	20.0
(DEL) Alkane: Str...	22.44	2.9	ng/ul	480501	5	21.40	3313040	20.0
(DEL) Alkane: Str...	22.96	8.9	ng/ul	1039650	6	23.72	2327690	20.0
(DEL) Alkane: Str...	24.21	19.5	ng/ul	2265700	6	23.72	2327690	20.0
(DEL) Alkane: Str...	24.99	21.8	ng/ul	2539940	6	23.72	2327690	20.0