LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012185.D
Acq On : 15 Oct 2017 00:05
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC0

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	6.981	654	662	676	rBV	490970	975254	15.19%	1.309%
2	7.139	682	689	699	rBV	403786	645788	10.06%	0.867%
3	7.339	717	723	734	rBV	581525	992418	15.46%	1.332%
4	7.810	797	803	818	rVB	619874	1065116	16.59%	1.430%
5	8.522	917	924	939	rBV	615232	1157862	18.04%	1.554%
6	8.980	995	1002	1015	rBV	553217	1002855	15.62%	1.346%
7	9.698	1117	1124	1133	rBV	535004	945524	14.73%	1.269%
8	10.239	1209	1216	1233	rBV	809257	1583819	24.67%	2.126%
9	10.610	1272	1279	1286	rBV	953541	1645081	25.62%	2.208%
10	10.763	1297	1305	1323	rBV	341041	786165	12.25%	1.055%
11	13.868	1824	1833	1837	rBV	2040024	2715743	42.30%	3.645%
12	13.915	1837	1841	1849	rVB	696482	993004	15.47%	1.333%
13	14.157	1875	1882	1897	rVB	2190301	3244366	50.54%	4.354%
14	14.462	1927	1934	1941	rBV2	1752450	2625358	40.89%	3.524%
15	14.527	1941	1945	1954	rVB	58007	88051	1.37%	0.118%
16	14.680	1965	1971	1994	rBV	410586	995622	15.51%	1.336%
17	14.868	1999	2003	2012	rVB5	56735	144027	2.24%	0.193%
18	15.292	2070	2075	2080	rVB2	57251	89559	1.40%	0.120%
19	15.457	2094	2103	2109	rBV	2722501	3850290	59.97%	5.168%
20	15.509	2109	2112	2120	rVB	67875	103406	1.61%	0.139%
21	15.592	2120	2126	2137	rBV	833459	1317308	20.52%	1.768%
22	15.692	2137	2143	2152	rVB5	49033	131636	2.05%	0.177%
23	16.151	2217	2221	2233	rBV3	75854	150227	2.34%	0.202%
24	16.945	2351	2356	2361	rBV3	71133	108696	1.69%	0.146%
25	17.092	2376	2381	2388	rBV3	112185	187340	2.92%	0.251%
26	17.156	2388	2392	2395	rVV2	62674	86296	1.34%	0.116%
27	17.209	2395	2401	2405	rVV2	2204147	3361173	52.36%	4.511%
28	17.251	2405	2408	2412	rVV	884342	1178477	18.36%	1.582%
29	17.309	2412	2418	2433	rVB	3085315	4566591	71.13%	6.129%
30	17.621	2465	2471	2477	rVB	52772	99445	1.55%	0.133%
31	17.968	2520	2530	2536	rBV4	89953	187061	2.91%	0.251%
32	18.027	2536	2540	2545	rBV3	56554	66474	1.04%	0.089%
33	18.086	2545	2550	2555	rBV2	1222432	1646275	25.64%	2.210%
34	18.127	2555	2557	2560	rVV	150015	212415	3.31%	0.285%

LSC Area Percent Report

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Data File : BM012185.D
Acq On : 15 Oct 2017 00:05
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC0

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	18.162	2560	2563	2567	rVB	194941	240713	3.75%	0.323%
36	18.215	2568	2572	2577	rVB	51752	74576	1.16%	0.100%
37	18.280	2577	2583	2587	rBV2	187103	342033	5.33%	0.459%
38	18.386	2596	2601	2606	rBV4	96122	183181	2.85%	0.246%
39	18.580	2630	2634	2640	rBV	107834	190510	2.97%	0.256%
40	18.639	2640	2644	2651	rVV2	82521	133949	2.09%	0.180%
41	19.003	2701	2706	2709	rBV2	94947	161277	2.51%	0.216%
42	19.150	2728	2731	2738	rVB	67842	101234	1.58%	0.136%
43	19.221	2739	2743	2744	rBV3	93703	104506	1.63%	0.140%
44	19.268	2744	2751	2756	rVB	2108011	2992377	46.61%	4.016%
45	19.362	2763	2767	2783	rBV	1060935	1637125	25.50%	2.197%
46	19.603	2802	2808	2811	rBV	4148491	6419833	100.00%	8.616%
47	19.627	2811	2812	2820	rVB	1877409	1920107	29.91%	2.577%
48	19.697	2821	2824	2833	rVV3	77863	129233	2.01%	0.173%
49	19.815	2840	2844	2848	rVB2	125043	161549	2.52%	0.217%
50	19.939	2861	2865	2867	rBV2	116608	182161	2.84%	0.244%
51	20.121	2894	2896	2903	rVB	257077	322136	5.02%	0.432%
52	20.221	2910	2913	2917	rBV	177537	258544	4.03%	0.347%
53	20.421	2944	2947	2950	rBV	94950	145411	2.27%	0.195%
54	20.844	3016	3019	3021	rBV	151412	160333	2.50%	0.215%
55	21.074	3054	3058	3062	rVB2	703048	940315	14.65%	1.262%
56	21.280	3089	3093	3097	rBV	786553	833547	12.98%	1.119%
57	21.386	3104	3111	3115	rBV2	3456427	5821173	90.67%	7.813%
58	21.421	3115	3117	3127	rVB	892576	1141876	17.79%	1.533%
59	21.950	3204	3207	3209	rBV3	271173	303412	4.73%	0.407%
60	22.944	3372	3376	3380	rVB	600090	848897	13.22%	1.139%
61	22.997	3381	3385	3390	rBV	874580	1579267	24.60%	2.120%
62	23.497	3466	3470	3471	rBV	343061	477994	7.45%	0.642%
63	23.550	3473	3479	3483	rVB2	1821962	3592022	55.95%	4.821%
64	23.697	3498	3504	3510	rVB	1273769	2361268	36.78%	3.169%
65	24.191	3584	3588	3598	rVB	884478	1797535	28.00%	2.413%

Sum of corrected areas: 74506816

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BNA_M
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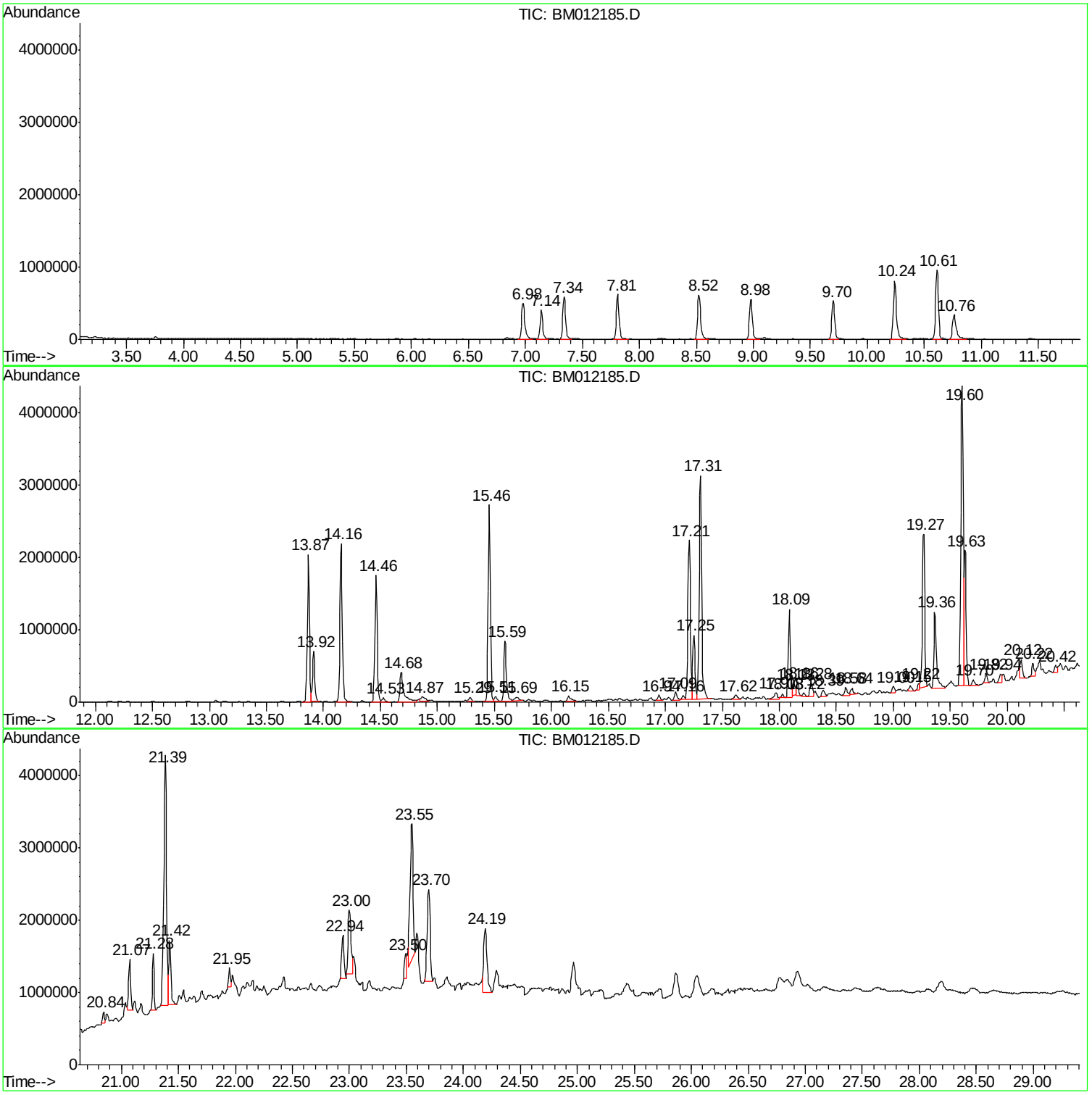
C0AC0

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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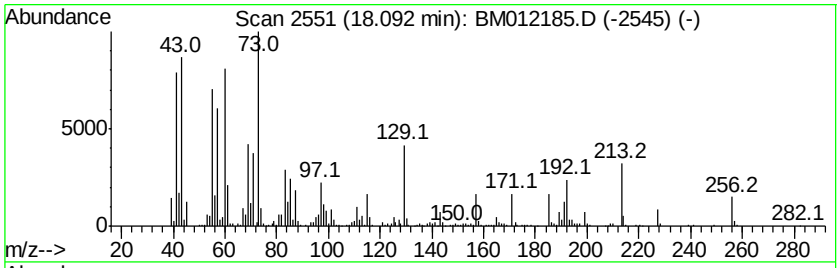
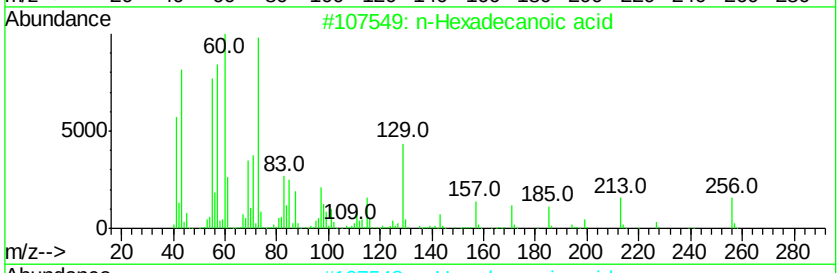
****

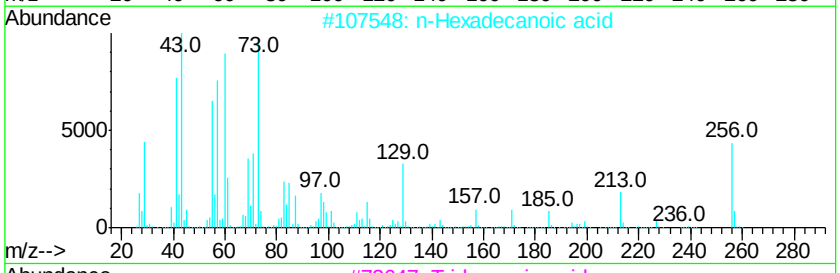
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

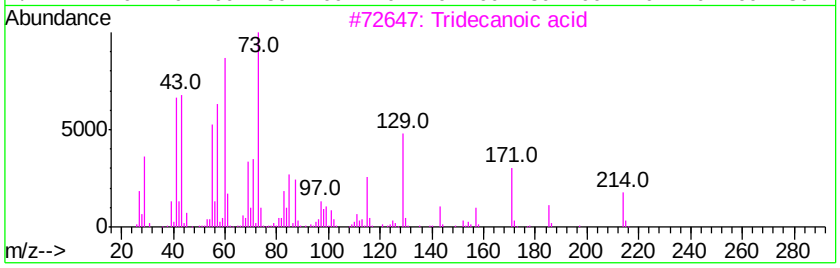
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	9.80 ng/ul	1646280	Phenanthrene-d10	17.21

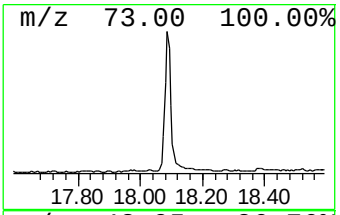
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83

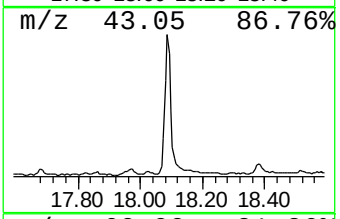


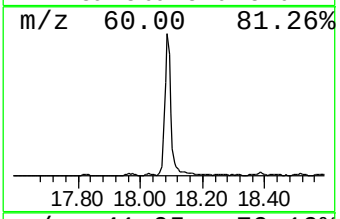


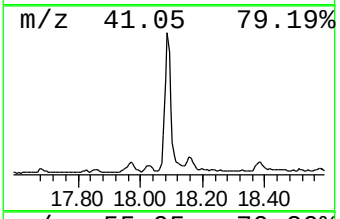


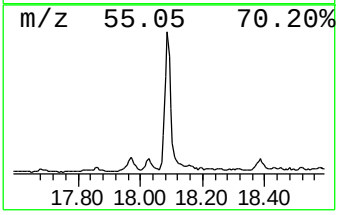












Library Search Compound Report

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

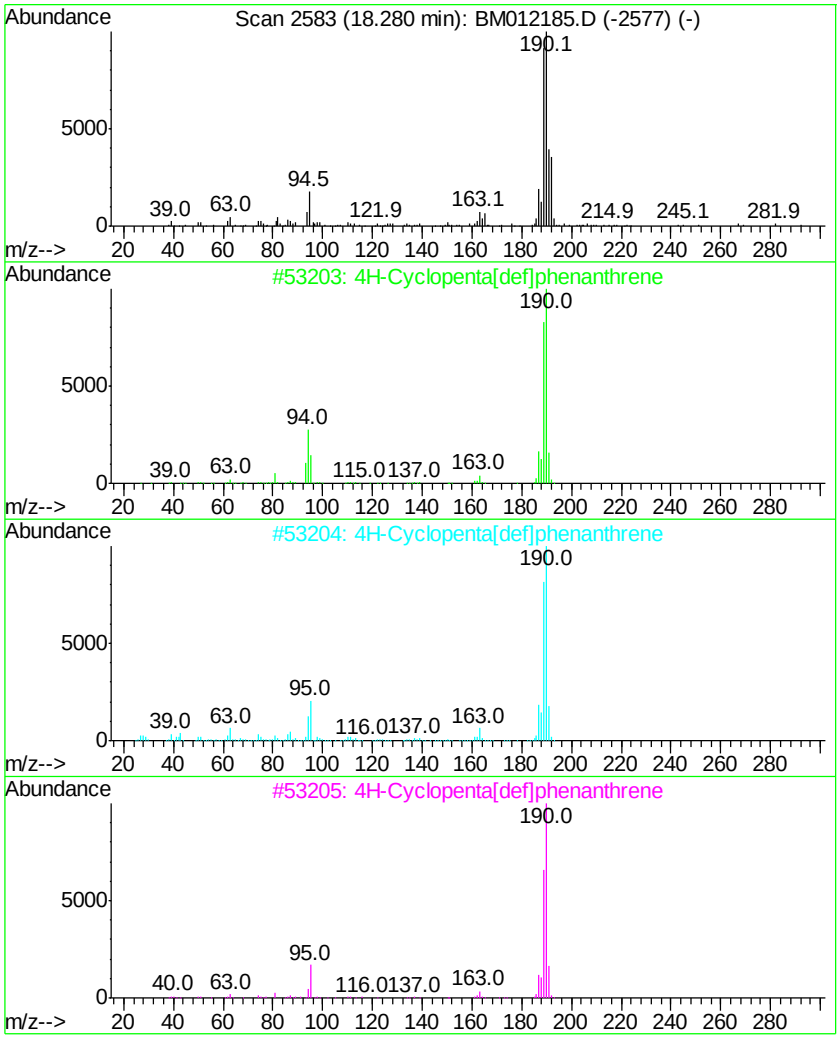
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

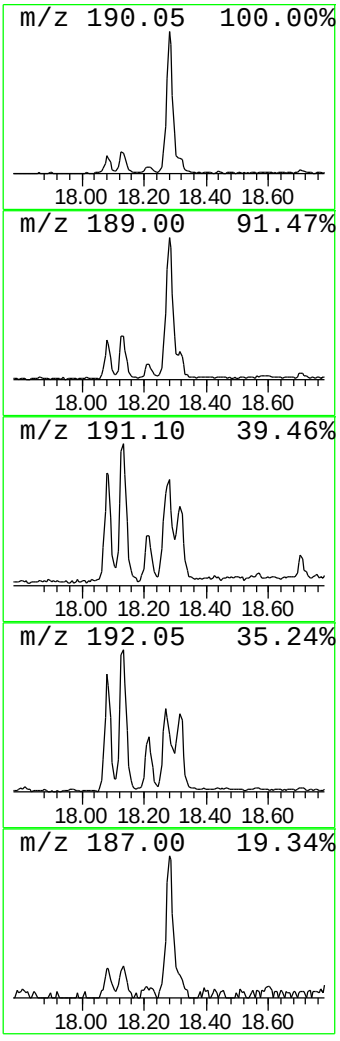
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.04 ng/ul	342033	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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TIC Library : C:\DATABASE\NIST11.L
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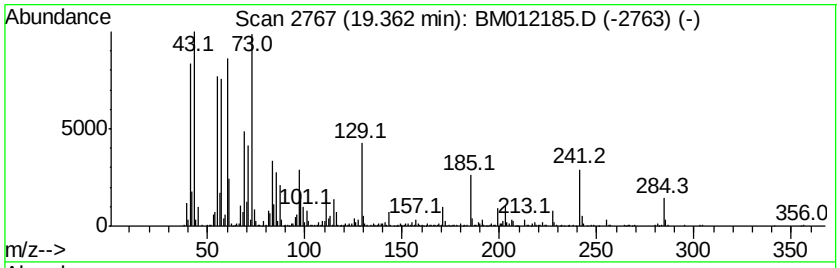
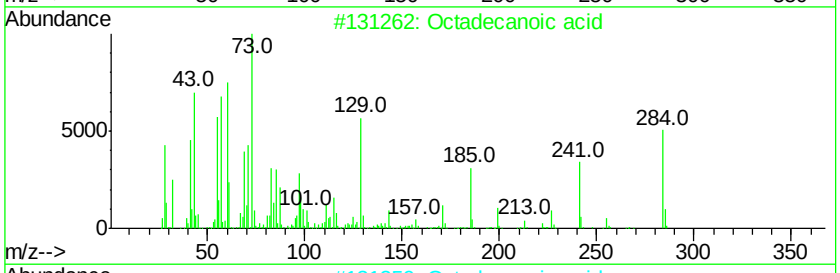
****

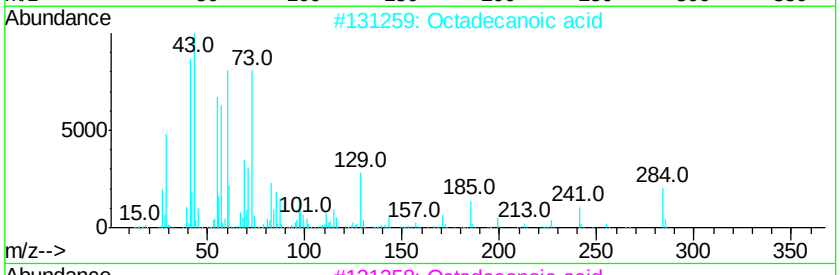
Peak Number 3 Octadecanoic acid Concentration Rank 4

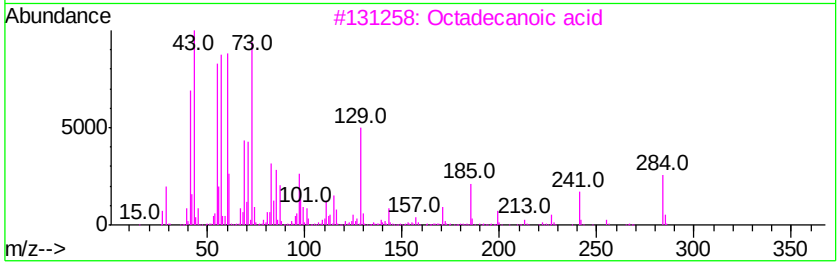
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	5.62 ng/ul	1637130	Chrysene-d12	21.39

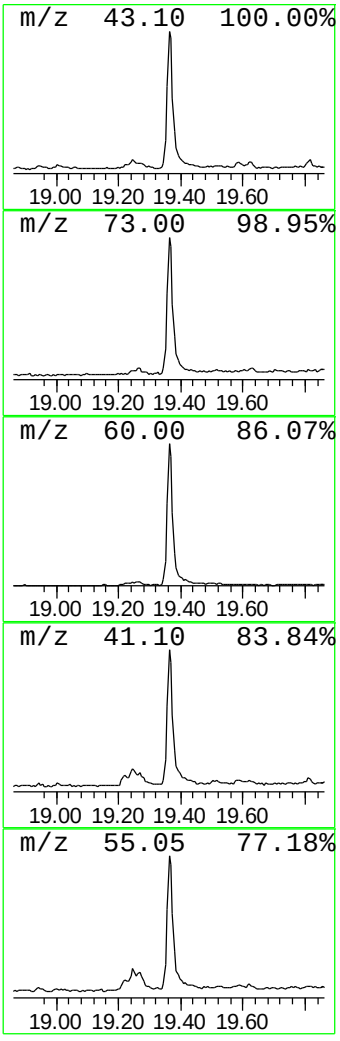
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	96
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	Octadecanoic acid	284	C18H36O2	000057-11-4	93











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Quant Title : SVOA CALIBRATION

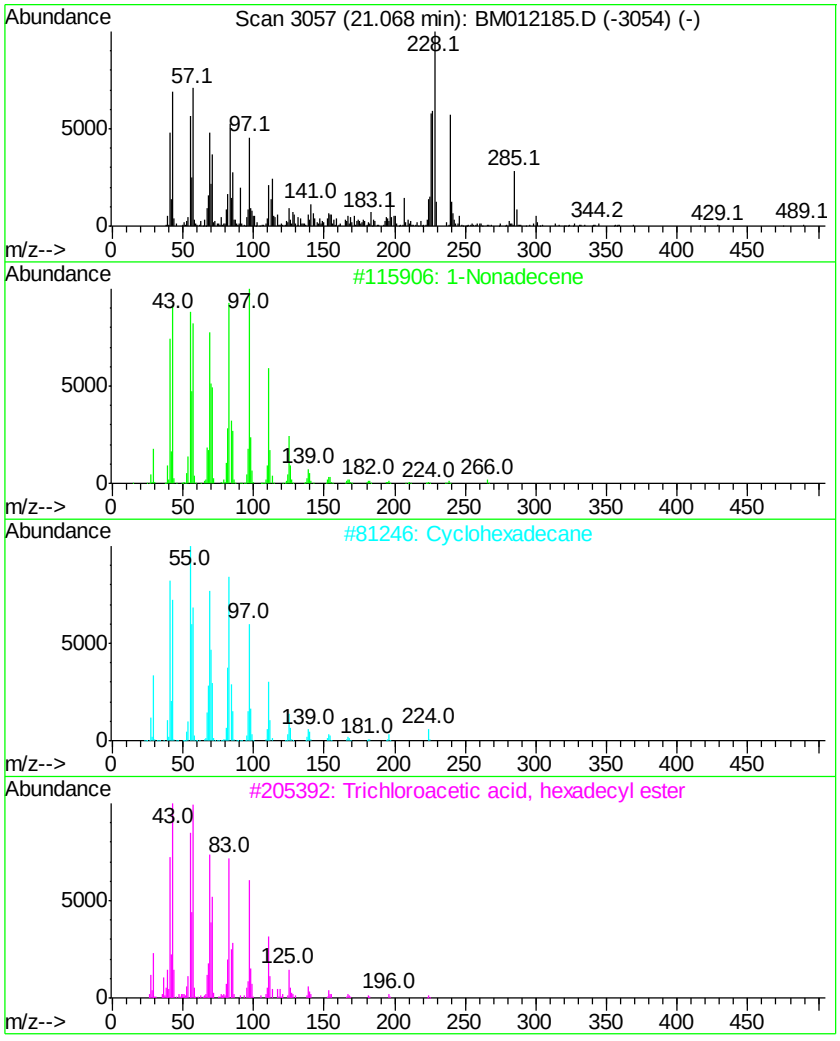
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

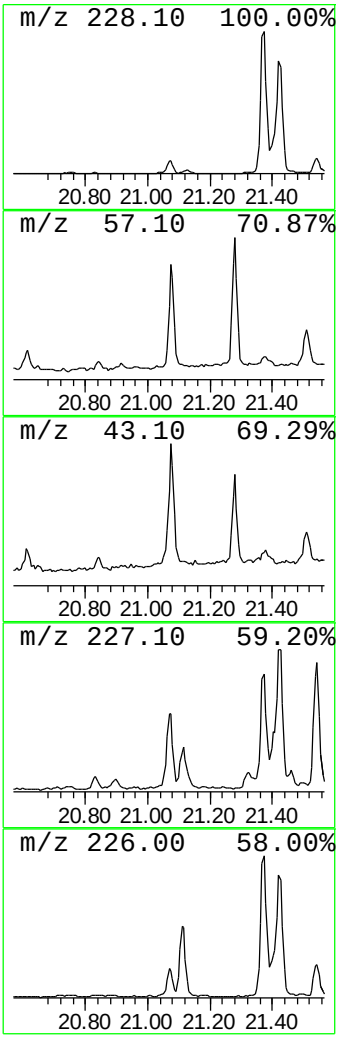
****

Peak Number 4 (DEL) Alkane: Cyclic21.07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	3.23 ng/ul	940315	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	93
2	Cyclohexadecane	224	C16H32	000295-65-8	86
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
4	Cyclohexadecane	224	C16H32	000295-65-8	66
5	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	62





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Quant Title : SVOA CALIBRATION

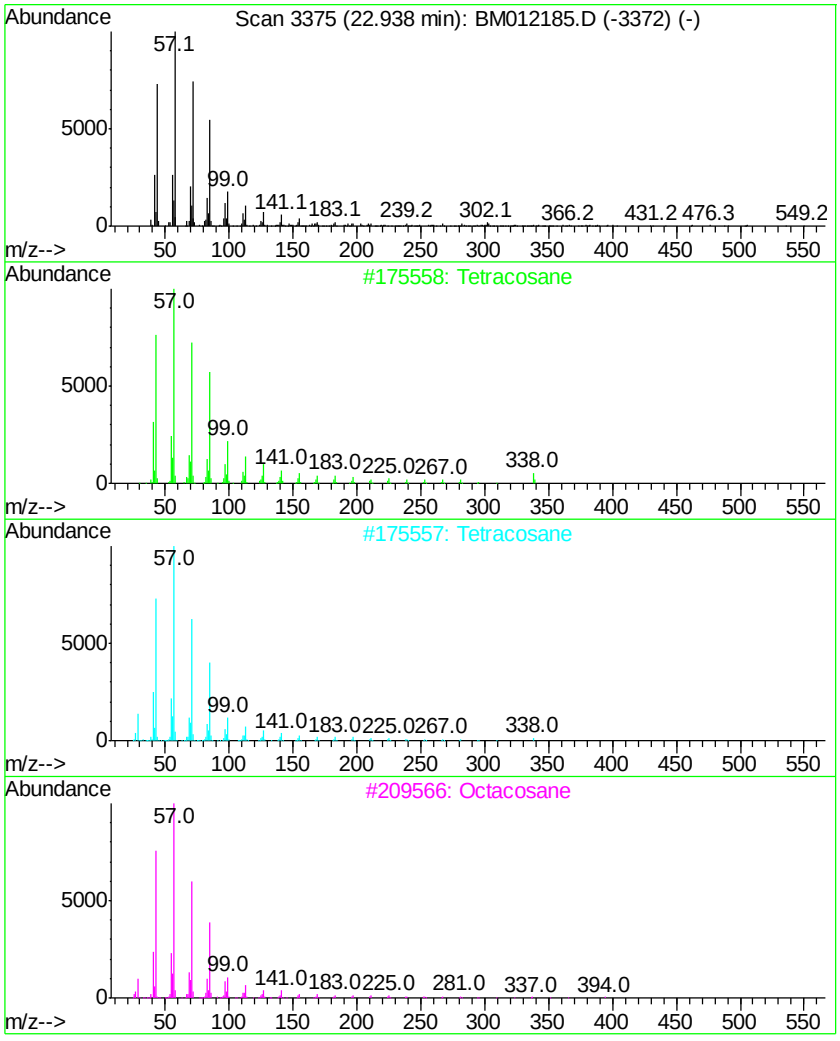
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

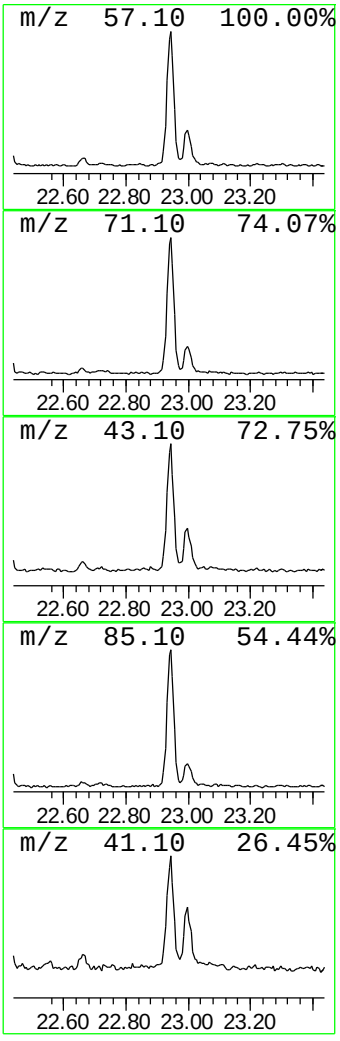
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	7.19 ng/ul	848897	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Tetracosane	338	C24H50	000646-31-1	90
3	Octacosane	394	C28H58	000630-02-4	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Hexacosane	366	C26H54	000630-01-3	90





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Quant Title : SVOA CALIBRATION

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

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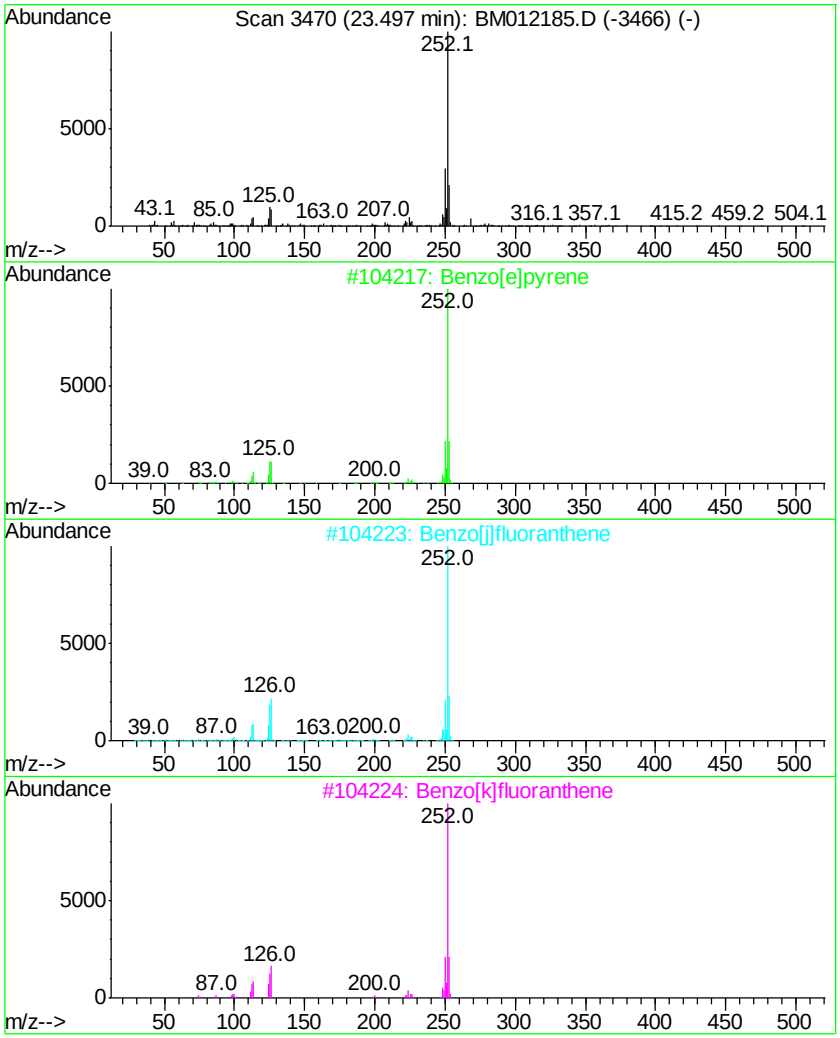
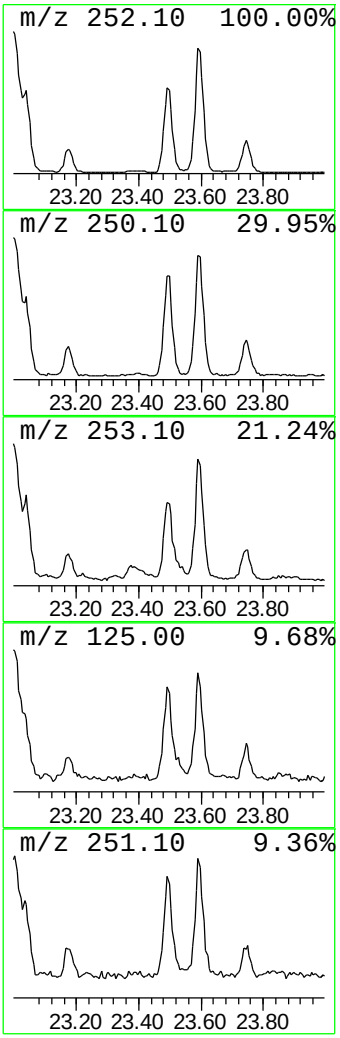
Peak Number 6 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	4.05 ng/ul	477994	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012185.D
Acq On : 15 Oct 2017 00:05
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC0

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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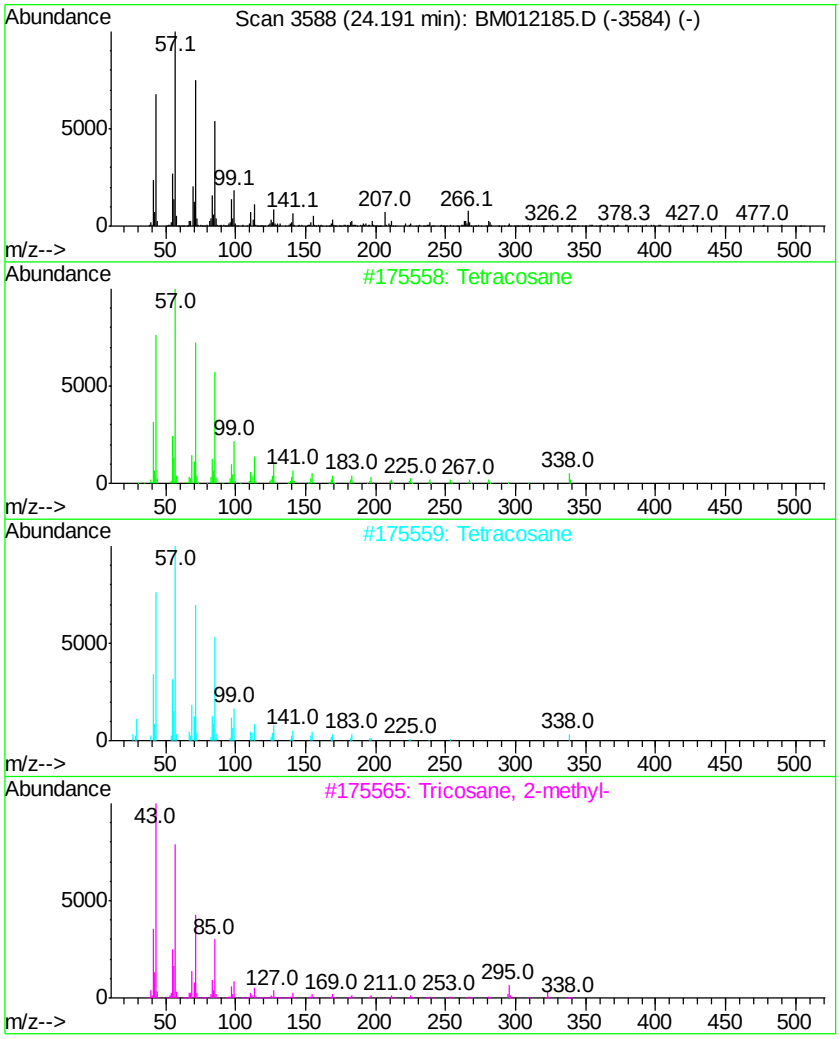
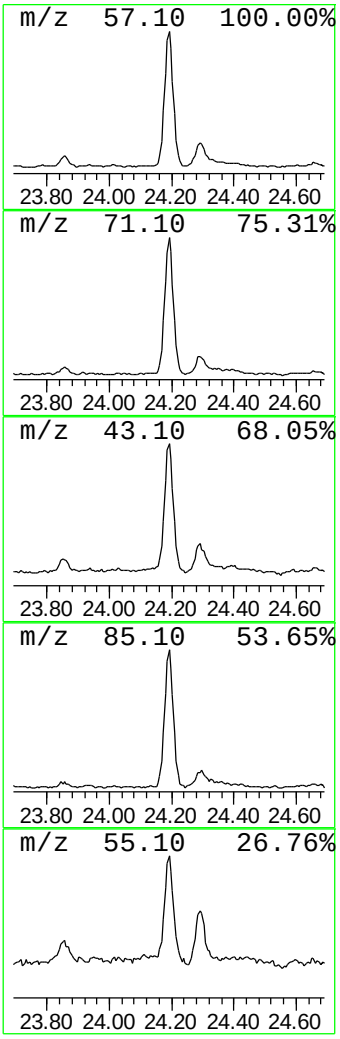
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	15.23 ng/ul	1797540	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	Tetracosane	338	C24H50	000646-31-1	93
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	93
4	Eicosane	282	C20H42	000112-95-8	93
5	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	90





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM101417\
Data File : BM012185.D
Acq On : 15 Oct 2017 00:05
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC0

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	18.09	9.8	ng/ul	1646280	4	17.21	3361170	20.0
4H-Cyclopenta[def...	18.28	2.0	ng/ul	342033	4	17.21	3361170	20.0
Octadecanoic acid	19.36	5.6	ng/ul	1637130	5	21.39	5821170	20.0
(DEL) Alkane: Cyc...	21.07	3.2	ng/ul	940315	5	21.39	5821170	20.0
(DEL) Alkane: Str...	22.94	7.2	ng/ul	848897	6	23.70	2361270	20.0
Benzo[e]pyrene	23.50	4.0	ng/ul	477994	6	23.70	2361270	20.0
(DEL) Alkane: Str...	24.19	15.2	ng/ul	1797540	6	23.70	2361270	20.0