LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012184.D
Acq On : 14 Oct 2017 23:29
Operator : SJ/JU
Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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	655	662	677	rBV	278653	574828	7.76%	0.733%
2	7.140	683	689	703	rBV	242952	400284	5.40%	0.511%
3	7.340	717	723	739	rBV	343265	603316	8.14%	0.770%
4	7.810	796	803	815	rBV	464525	807423	10.90%	1.030%
5	8.522	917	924	940	rBV	391549	753279	10.17%	0.961%
6	8.981	996	1002	1014	rBV	325465	596569	8.05%	0.761%
7	9.704	1118	1125	1138	rBV	297452	556153	7.51%	0.710%
8	10.245	1209	1217	1239	rBV	409887	885419	11.95%	1.130%
9	10.610	1271	1279	1285	rBV	719817	1235949	16.68%	1.577%
10	10.763	1298	1305	1325	rBV	182874	451776	6.10%	0.576%
11	13.869	1824	1833	1837	rBV	1087179	1533375	20.70%	1.956%
12	13.916	1837	1841	1851	rVB	321250	488576	6.59%	0.623%
13	14.157	1875	1882	1896	rBV	1203626	1802737	24.33%	2.300%
14	14.463	1927	1934	1941	rBV2	1301002	1966424	26.54%	2.509%
15	14.521	1941	1944	1952	rVB	77961	121516	1.64%	0.155%
16	14.686	1965	1972	1984	rBV2	197909	485916	6.56%	0.620%
17	14.868	1995	2003	2012	rVB	67801	150109	2.03%	0.192%
18	15.457	2095	2103	2108	rBV	1749611	2557938	34.52%	3.263%
19	15.510	2108	2112	2121	rVB	116856	182433	2.46%	0.233%
20	15.598	2121	2127	2137	rBV	478957	813913	10.99%	1.038%
21	16.515	2273	2283	2287	rBV5	28717	76730	1.04%	0.098%
22	16.874	2339	2344	2349	rVB	48020	74294	1.00%	0.095%
23	16.945	2350	2356	2361	rBV4	39996	85400	1.15%	0.109%
24	17.033	2366	2371	2377	rVB	70158	108623	1.47%	0.139%
25	17.209	2395	2401	2405	rBV2	2013969	3024157	40.82%	3.858%
26	17.251	2405	2408	2413	rVB	1587177	2057951	27.78%	2.625%
27	17.309	2413	2418	2422	rBV	1974234	2887635	38.97%	3.684%
28	17.415	2432	2436	2444	rVB	45379	76641	1.03%	0.098%
29	17.621	2464	2471	2478	rBV	161815	305157	4.12%	0.389%
30	18.086	2544	2550	2554	rBV2	732136	998804	13.48%	1.274%
31	18.133	2554	2558	2566	rVB2	268238	444226	6.00%	0.567%
32	18.215	2568	2572	2577	rVB	75170	109728	1.48%	0.140%
33	18.280	2577	2583	2587	rBV3	300679	535874	7.23%	0.684%
34	18.315	2587	2589	2595	rVB	125839	154479	2.08%	0.197%

LSC Area Percent Report

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Acq On : 14 Oct 2017 23:29
Operator : SJ/JU
Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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	18.586	2630	2635	2639	rBV	151186	222129	3.00%	0.283%
36	18.639	2639	2644	2651	rVB	215929	324901	4.39%	0.414%
37	18.827	2672	2676	2681	rVB3	62240	93831	1.27%	0.120%
38	19.003	2700	2706	2709	rBV	112800	190706	2.57%	0.243%
39	19.151	2725	2731	2738	rVB3	118007	247658	3.34%	0.316%
40	19.268	2739	2751	2757	rBV	3852589	5260677	71.00%	6.711%
41	19.362	2763	2767	2773	rBV	737109	950900	12.83%	1.213%
42	19.603	2802	2808	2810	rBV2	3401115	4923812	66.46%	6.282%
43	19.633	2810	2813	2821	rVV	3284764	4133985	55.80%	5.274%
44	19.698	2821	2824	2830	rVB2	157209	227910	3.08%	0.291%
45	19.809	2839	2843	2849	rVB	166394	237613	3.21%	0.303%
46	19.945	2862	2866	2868	rBV2	174281	269789	3.64%	0.344%
47	20.121	2893	2896	2902	rVB	431602	602693	8.13%	0.769%
48	20.221	2909	2913	2917	rBV	362381	495815	6.69%	0.633%
49	20.280	2917	2923	2927	rVV2	242112	474248	6.40%	0.605%
50	20.315	2927	2929	2933	rVB	121526	138071	1.86%	0.176%
51	20.421	2944	2947	2950	rBV	128034	161343	2.18%	0.206%
52	20.468	2952	2955	2958	rVB	121591	149961	2.02%	0.191%
53	20.874	3020	3024	3029	rBV	297850	402316	5.43%	0.513%
54	21.033	3047	3051	3054	rBV2	387084	552060	7.45%	0.704%
55	21.074	3054	3058	3061	rVV2	474063	629801	8.50%	0.803%
56	21.115	3061	3065	3069	rVV2	289301	533149	7.20%	0.680%
57	21.168	3071	3074	3080	rVB	344026	508788	6.87%	0.649%
58	21.280	3089	3093	3098	rBV2	790597	848142	11.45%	1.082%
59	21.386	3104	3111	3115	rBV2	3907504	7409153	100.00%	9.452%
60	21.421	3115	3117	3127	rVB	2088178	2672371	36.07%	3.409%
61	21.544	3134	3138	3142	rBV	289017	364013	4.91%	0.464%
62	21.944	3204	3206	3210	rVB2	375263	447158	6.04%	0.570%
63	22.939	3373	3375	3379	rVB	320990	368226	4.97%	0.470%
64	22.997	3380	3385	3391	rBV	1792694	4274266	57.69%	5.453%
65	23.497	3465	3470	3473	rBV	857135	1571394	21.21%	2.005%
66	23.550	3473	3479	3483	rVV2	2013066	4064111	54.85%	5.185%
67	23.597	3483	3487	3495	rVB	1349815	2456710	33.16%	3.134%
68	23.697	3498	3504	3509	rBV	1847359	3523526	47.56%	4.495%
69	24.191	3584	3588	3594	rVB2	429579	745340	10.06%	0.951%

Sum of corrected areas: 78384198

LSC Report - Integrated Chromatogram

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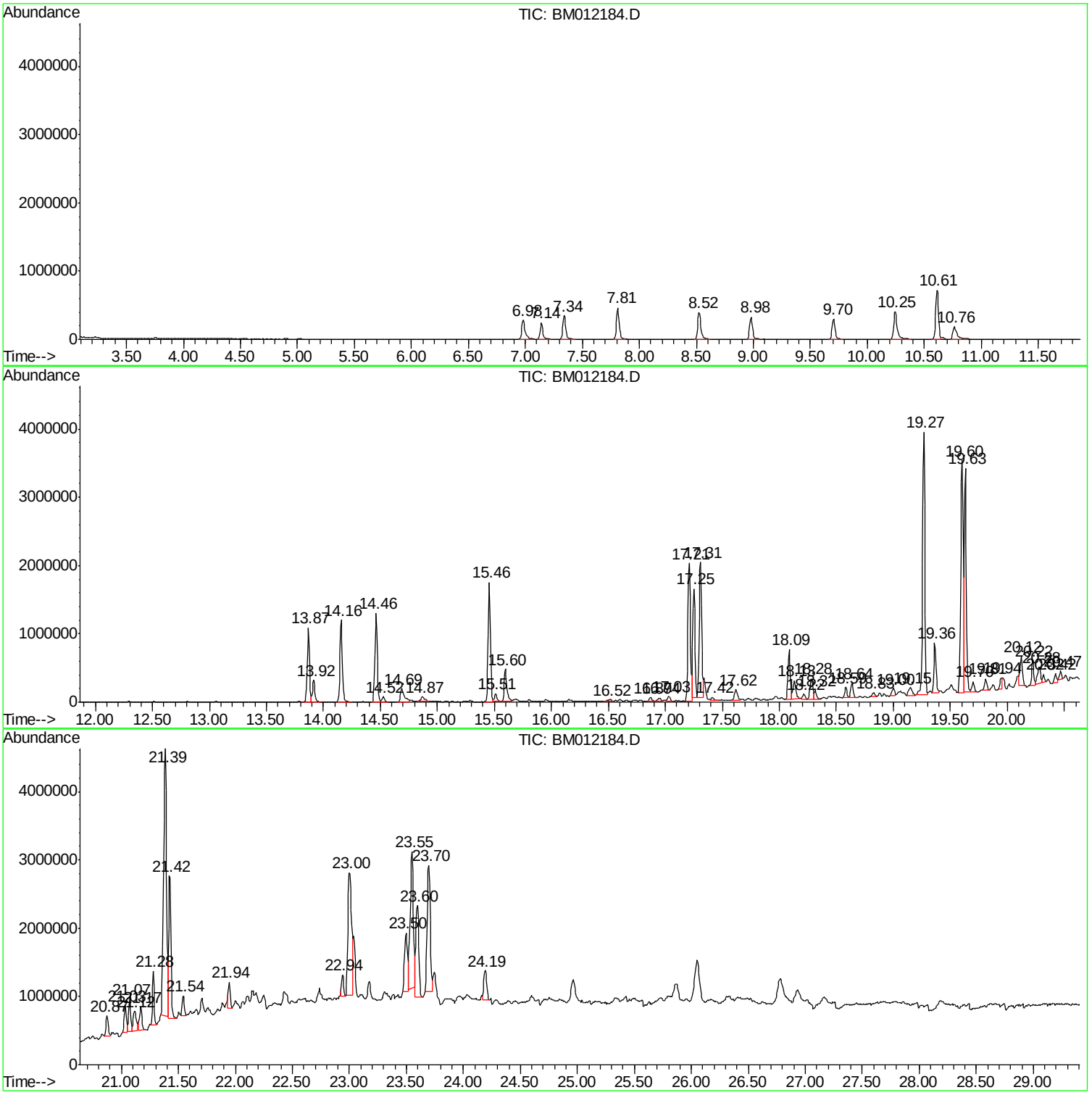
Data File : BM012184.D
Acq On : 14 Oct 2017 23:29
Operator : SJ/JU
Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012184.D
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Quant Title : SVOA CALIBRATION

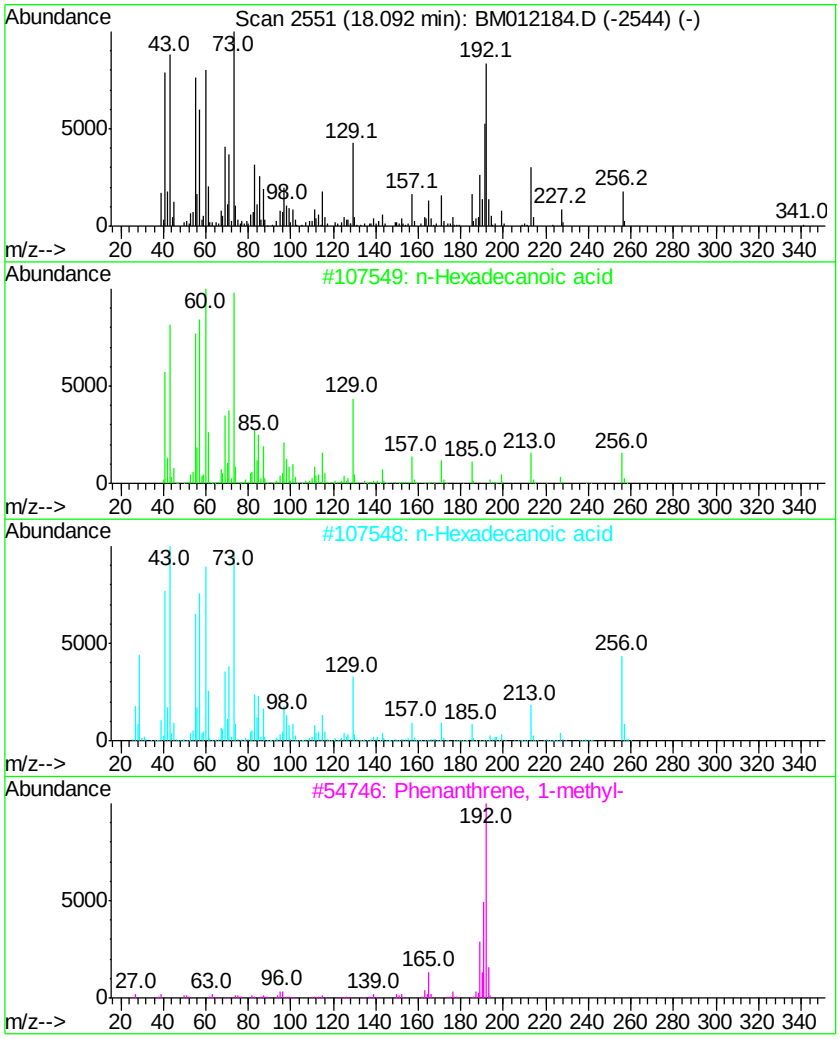
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

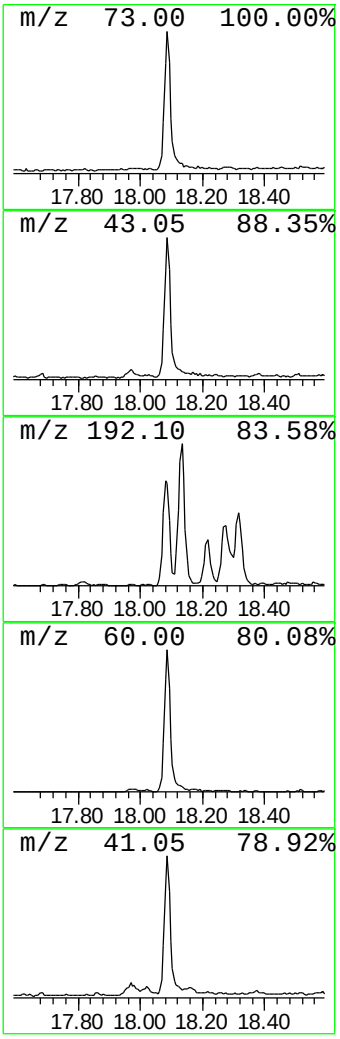
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	6.61 ng/ul	998804	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012184.D
Acq On : 14 Oct 2017 23:29
Operator : SJ/JU
Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.94 ng/ul	444226	Phenanthrene-d10	17.21

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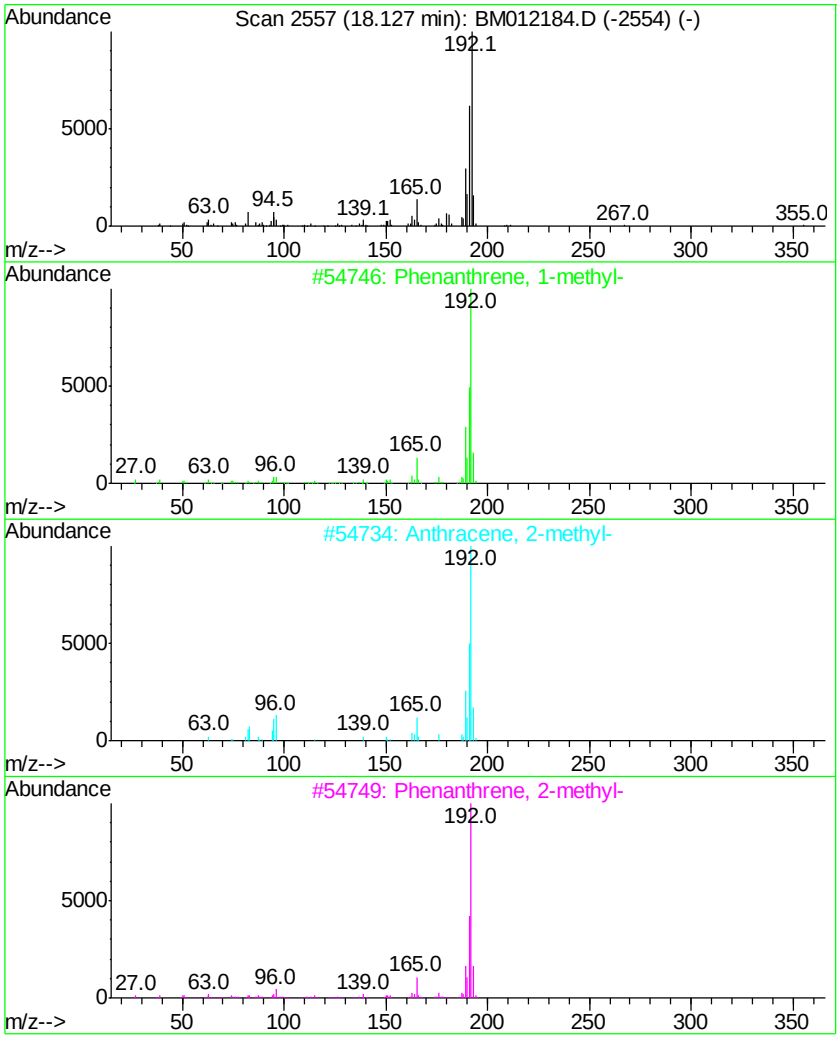

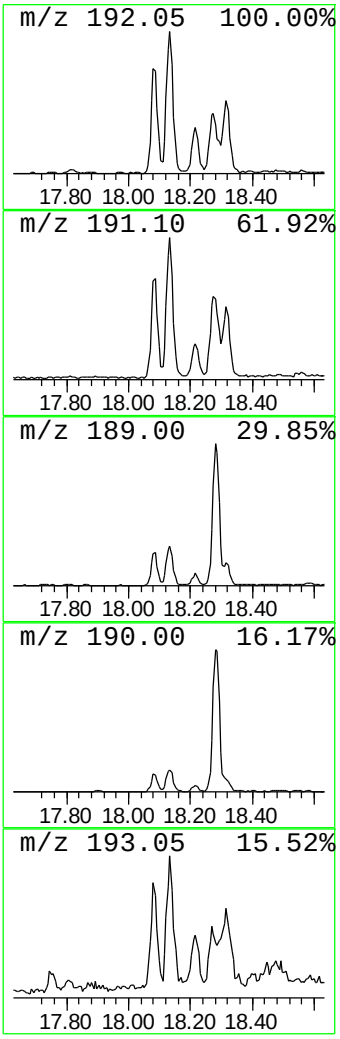

Library Search Compound Report

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Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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

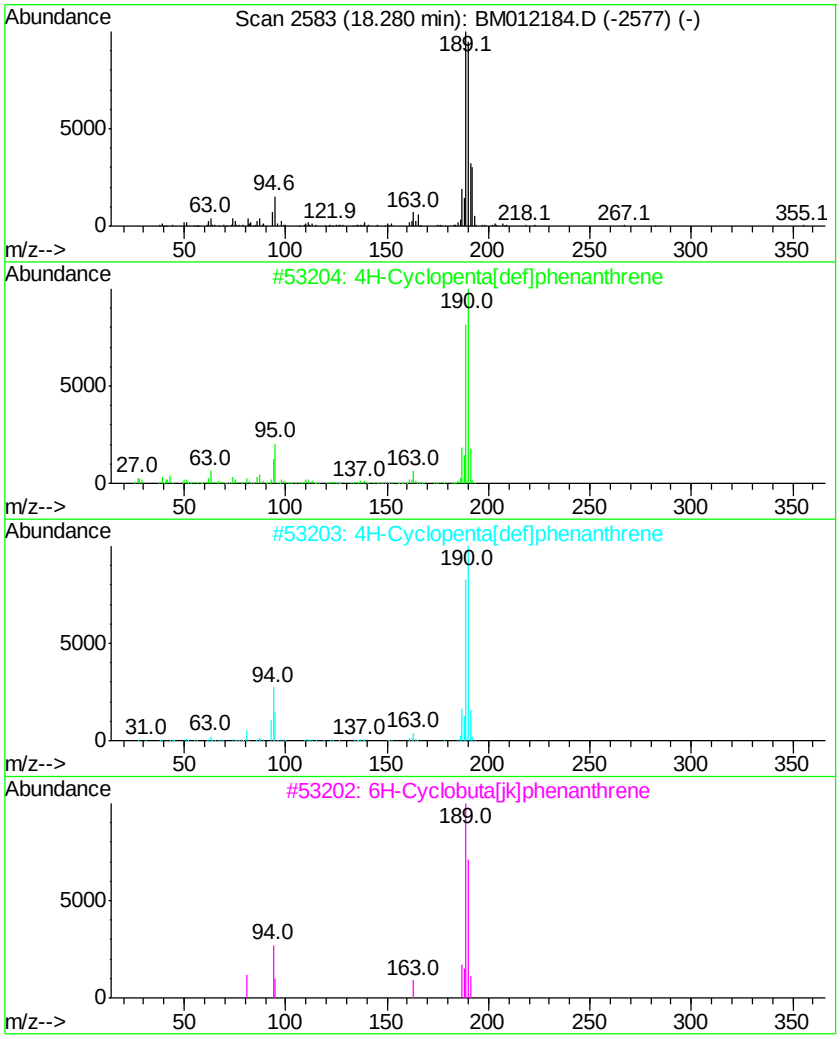
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

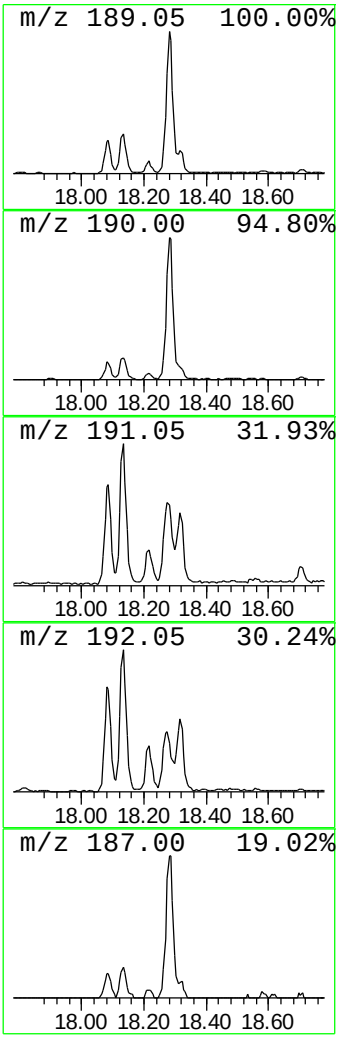
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.54 ng/ul	535874	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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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

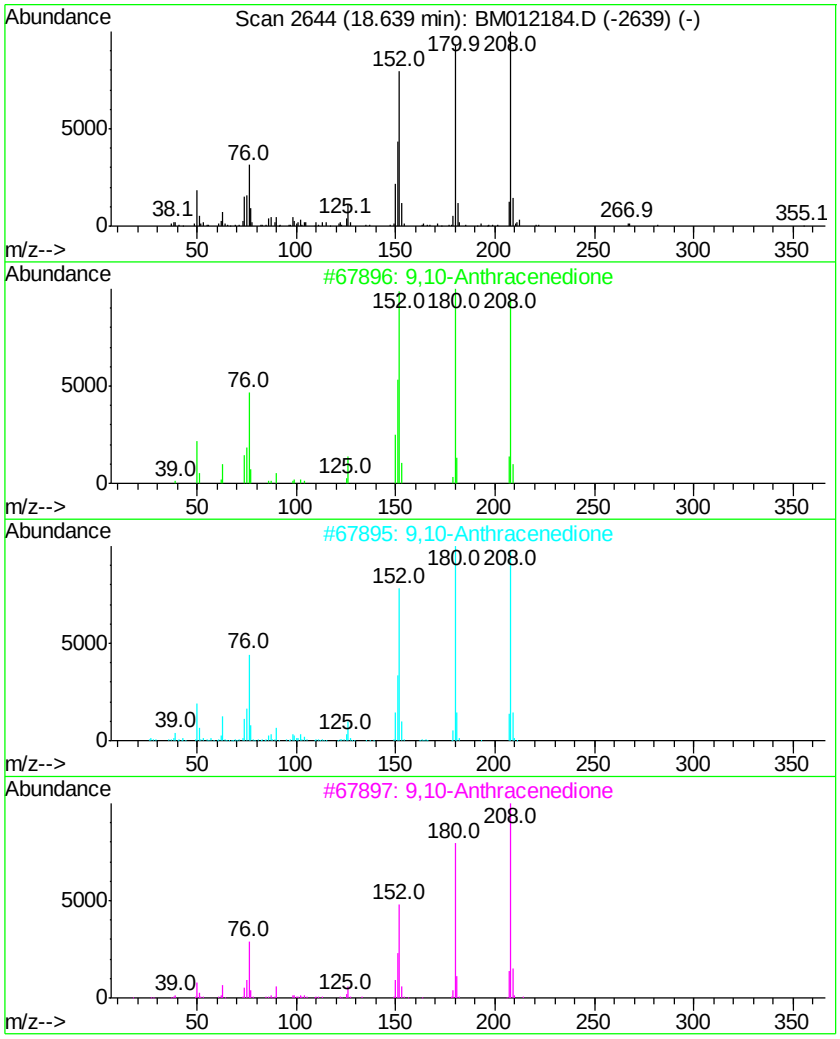
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

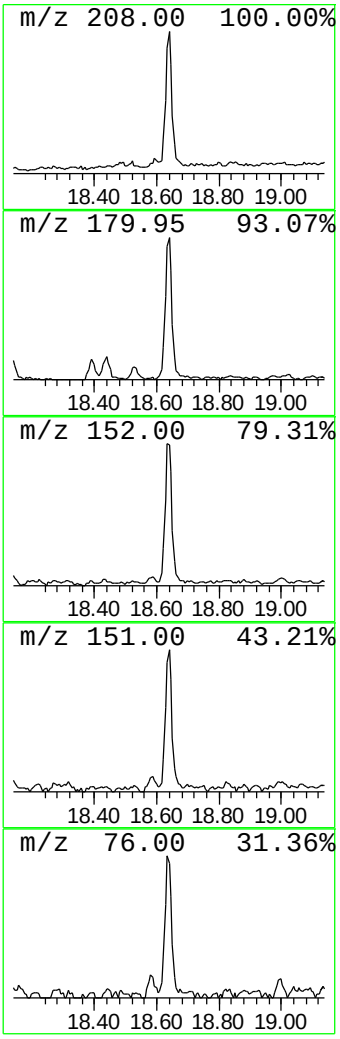
****

Peak Number 4 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.15 ng/ul	324901	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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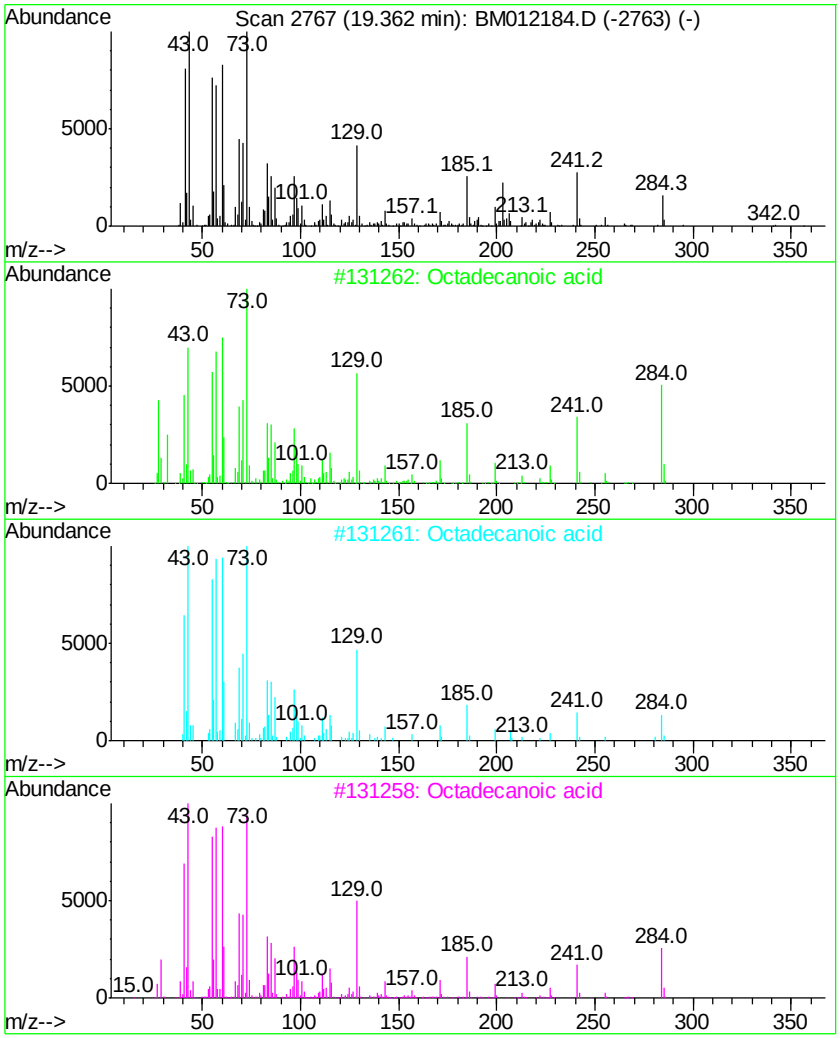
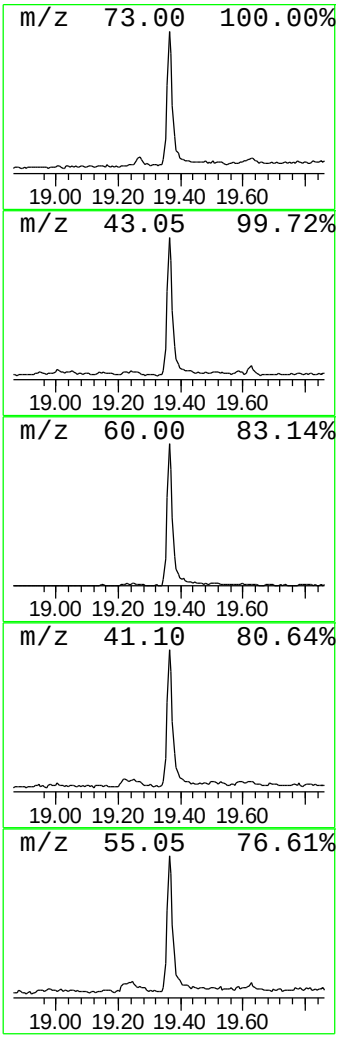
Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	2.57 ng/ul	950900	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	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	98
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





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Quant Title : SVOA CALIBRATION

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

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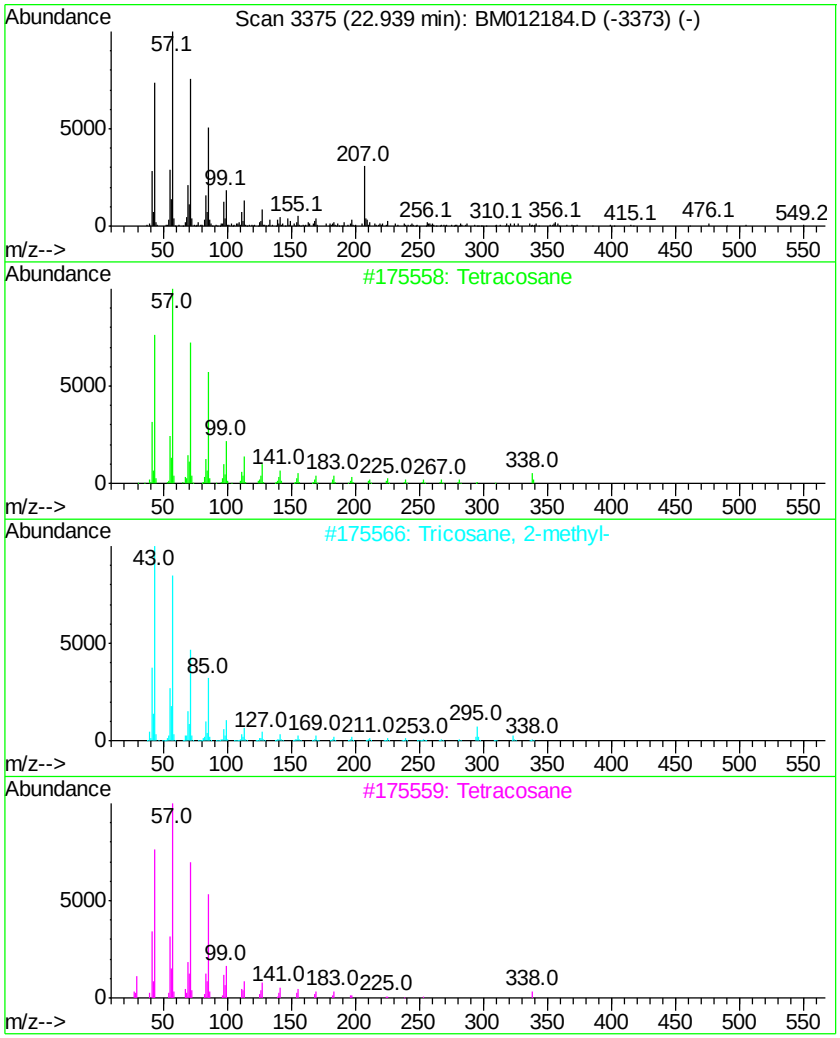
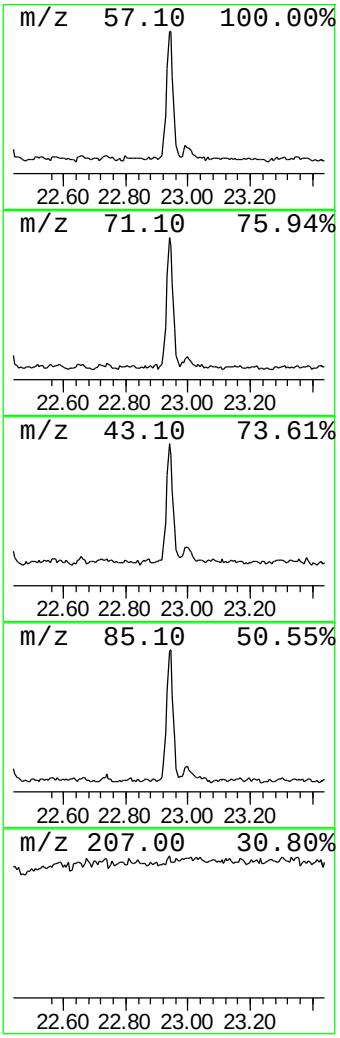
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	2.09 ng/ul	368226	Perylene-d12	23.70

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





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

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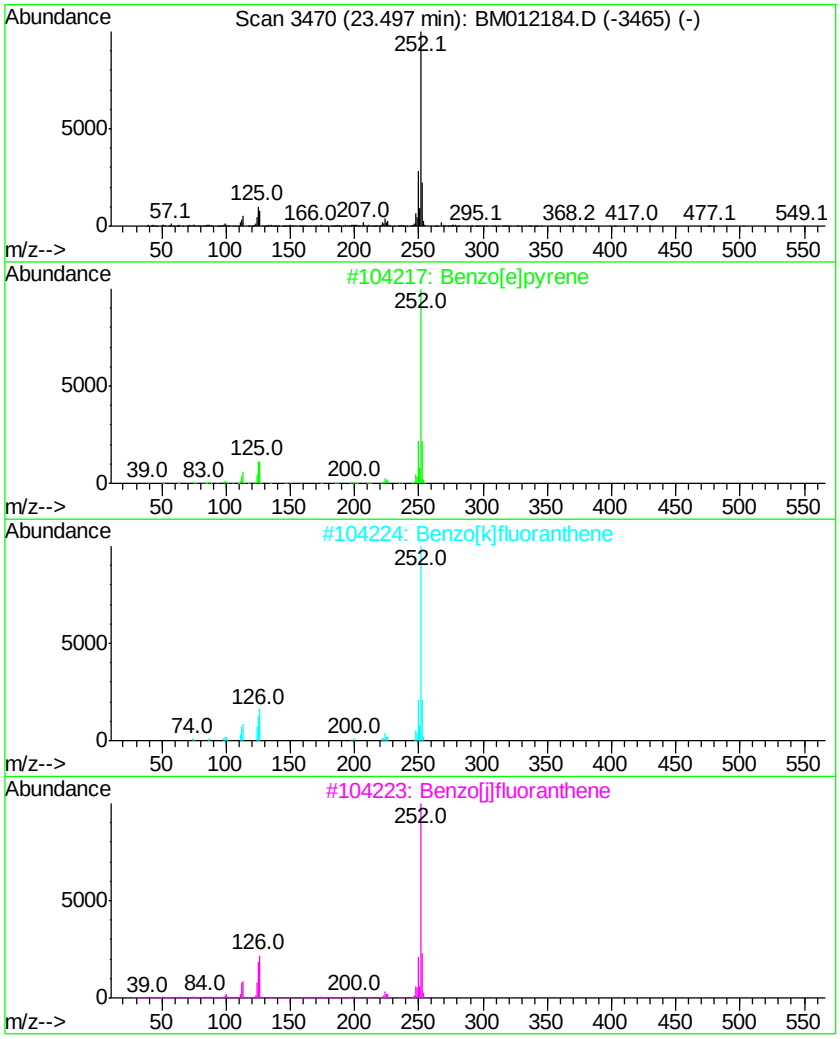
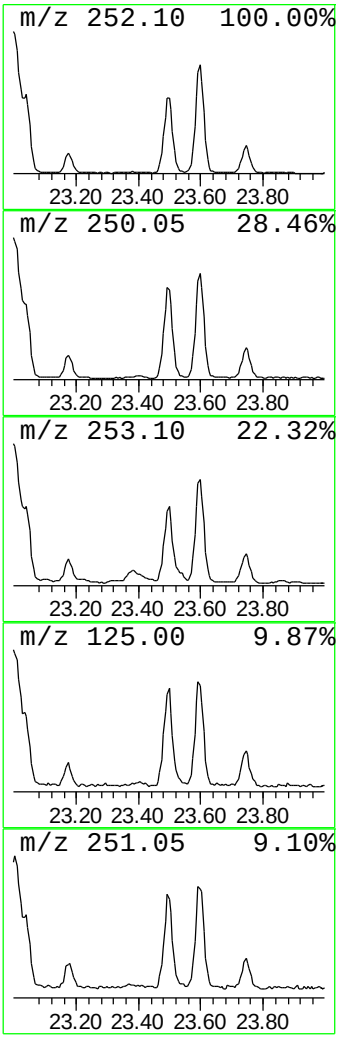
Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	8.92 ng/ul	1571390	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012184.D
Acq On : 14 Oct 2017 23:29
Operator : SJ/JU
Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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

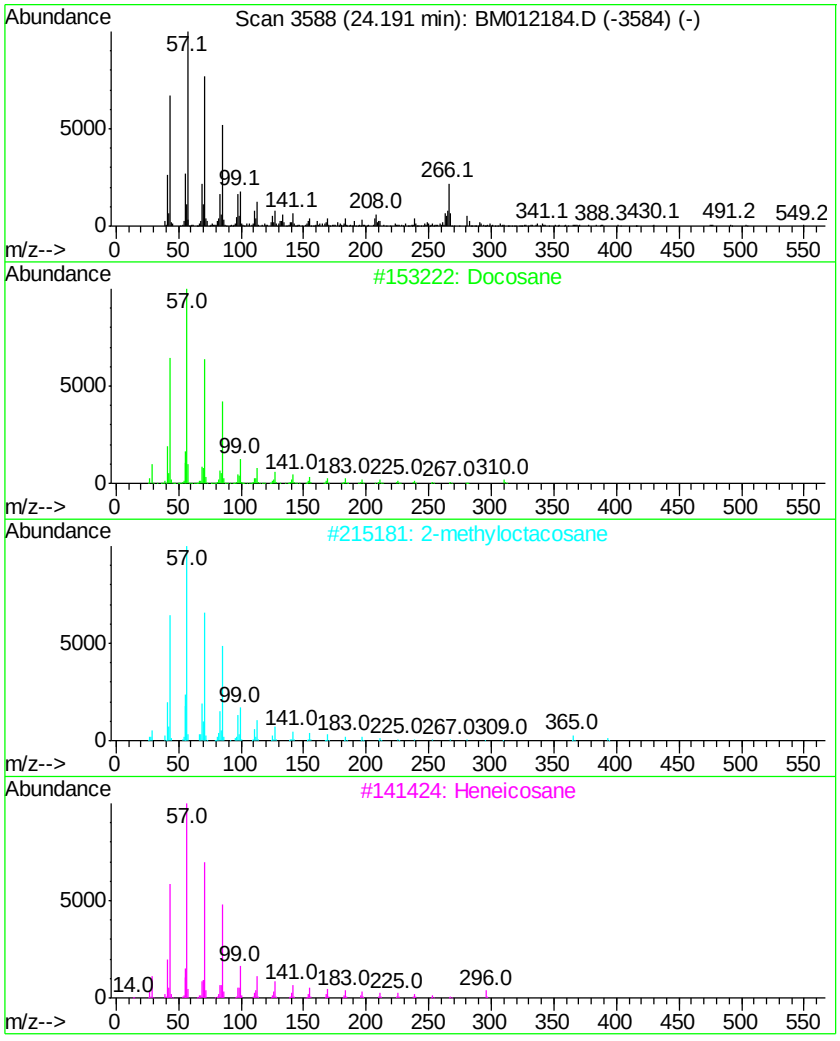
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

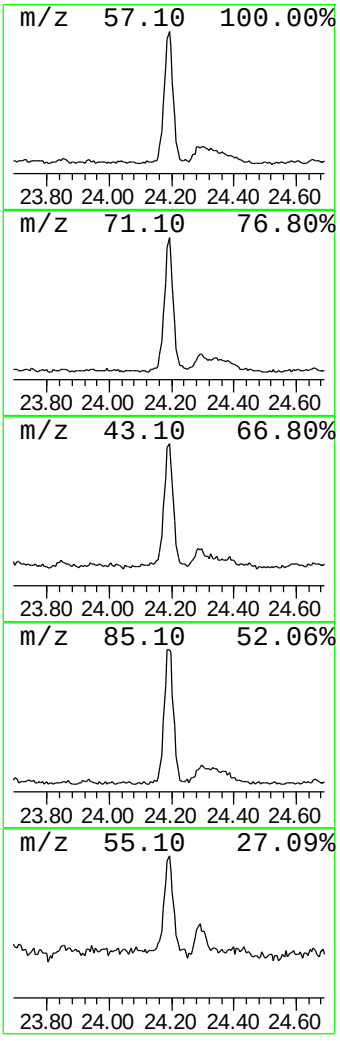
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	4.23 ng/ul	745340	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	86
2	2-methyloctacosane	408	C29H60	1000376-72-8	70
3	Heneicosane	296	C21H44	000629-94-7	70
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	62
5	Docosane, 11-decyl-	451	C32H66	055401-55-3	62





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM101417\
Data File : BM012184.D
Acq On : 14 Oct 2017 23:29
Operator : SJ/JU
Sample : I5522-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD3

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	6.6	ng/ul	998804	4	17.21	3024160	20.0
Phenanthrene, 1-m...	18.13	2.9	ng/ul	444226	4	17.21	3024160	20.0
4H-Cyclopenta[def...	18.28	3.5	ng/ul	535874	4	17.21	3024160	20.0
9,10-Anthracenedione	18.64	2.1	ng/ul	324901	4	17.21	3024160	20.0
Octadecanoic acid	19.36	2.6	ng/ul	950900	5	21.39	7409150	20.0
(DEL) Alkane: Str...	22.94	2.1	ng/ul	368226	6	23.70	3523530	20.0
Benzo[e]pyrene	23.50	8.9	ng/ul	1571390	6	23.70	3523530	20.0
(DEL) Alkane: Str...	24.19	4.2	ng/ul	745340	6	23.70	3523530	20.0