LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM012005.D
Acq On : 09 Oct 2017 08:16
Operator : SJ/JU
Sample : I5522-21
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

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-BM100317.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	7.010	660	667	683	rBV	1101583	1950872	16.08%	1.456%
2	7.175	689	695	707	rVB	896903	1426091	11.75%	1.064%
3	7.375	723	729	742	rBV	1212777	2018523	16.64%	1.506%
4	7.845	803	809	818	rBV	656045	1113872	9.18%	0.831%
5	8.551	922	929	942	rBV	1165919	2088961	17.22%	1.559%
6	9.010	1000	1007	1021	rBV	1144082	2041025	16.82%	1.523%
7	9.733	1122	1130	1143	rBV	1065255	1864006	15.36%	1.391%
8	10.275	1214	1222	1240	rBV	1566721	2815328	23.20%	2.101%
9	10.651	1277	1286	1292	rBV	1029194	1738978	14.33%	1.298%
10	10.792	1302	1310	1330	rBV	1101734	2194100	18.08%	1.638%
11	13.904	1829	1839	1843	rVV	3227261	4718281	38.89%	3.521%
12	13.945	1843	1846	1854	rVB	864680	1200305	9.89%	0.896%
13	14.186	1881	1887	1902	rBV	3665381	5564457	45.86%	4.153%
14	14.498	1928	1940	1946	rBV2	1624371	2627770	21.66%	1.961%
15	14.557	1946	1950	1959	rVB	111362	182180	1.50%	0.136%
16	14.698	1968	1974	1987	rBV	811380	1576812	13.00%	1.177%
17	14.898	1997	2008	2016	rVB2	162006	375688	3.10%	0.280%
18	15.310	2075	2078	2087	rVB2	83655	171822	1.42%	0.128%
19	15.486	2098	2108	2114	rBV	4829254	6989357	57.61%	5.216%
20	15.539	2114	2117	2124	rVB2	224577	328559	2.71%	0.245%
21	15.610	2124	2129	2137	rBV	1387945	1988793	16.39%	1.484%
22	15.721	2142	2148	2157	rVB4	71829	171460	1.41%	0.128%
23	15.833	2162	2167	2172	rVB	85065	129796	1.07%	0.097%
24	15.980	2188	2192	2201	rVB	89229	165627	1.37%	0.124%
25	16.186	2222	2227	2230	rBV	102734	144726	1.19%	0.108%
26	16.545	2277	2288	2293	rBV6	64013	175659	1.45%	0.131%
27	16.774	2319	2327	2331	rBV4	105719	214423	1.77%	0.160%
28	16.898	2343	2348	2354	rVB	159180	238565	1.97%	0.178%
29	16.980	2355	2362	2367	rVV5	95519	189481	1.56%	0.141%
30	17.057	2371	2375	2381	rVB	187693	285668	2.35%	0.213%
31	17.239	2400	2406	2409	rBV2	2387597	3332373	27.47%	2.487%
32	17.280	2409	2413	2418	rVV	3275246	4691257	38.67%	3.501%
33	17.339	2418	2423	2427	rVV	5444830	7855130	64.74%	5.863%
34	17.368	2427	2428	2436	rVB	659672	733367	6.04%	0.547%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5522-21
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

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 >
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Title : SVOA CALIBRATION

35	17.645	2468	2475	2484	rBV	216758	384988	3.17%	0.287%
36	17.821	2501	2505	2514	rVB2	88208	154839	1.28%	0.116%
37	18.056	2538	2545	2549	rBV4	76256	121864	1.00%	0.091%
38	18.121	2549	2556	2560	rVV2	2236395	3165403	26.09%	2.362%
39	18.162	2560	2563	2573	rVV2	574657	994704	8.20%	0.742%
40	18.239	2573	2576	2581	rVV	152831	228138	1.88%	0.170%
41	18.309	2582	2588	2592	rVV3	442077	882245	7.27%	0.658%
42	18.345	2592	2594	2602	rVB	273671	324805	2.68%	0.242%
43	18.609	2635	2639	2644	rBV	280915	409063	3.37%	0.305%
44	18.662	2644	2648	2653	rVB	185537	273469	2.25%	0.204%
45	19.027	2705	2710	2715	rBV	206912	363845	3.00%	0.272%
46	19.092	2716	2721	2724	rVV3	93565	186431	1.54%	0.139%
47	19.174	2730	2735	2743	rBV2	187622	362210	2.99%	0.270%
48	19.250	2744	2748	2749	rBV2	180266	200710	1.65%	0.150%
49	19.292	2750	2755	2762	rVB	4311816	5999929	49.45%	4.478%
50	19.398	2768	2773	2784	rBV	2325384	3098191	25.54%	2.312%
51	19.633	2806	2813	2816	rBV	7689157	12132684	100.00%	9.055%
52	19.656	2816	2817	2825	rVV	3407559	3464750	28.56%	2.586%
53	19.727	2825	2829	2836	rVB3	192599	306560	2.53%	0.229%
54	19.833	2844	2847	2853	rVB	171439	243060	2.00%	0.181%
55	19.898	2854	2858	2863	rVB2	89562	145593	1.20%	0.109%
56	19.980	2866	2872	2879	rBV2	246104	671758	5.54%	0.501%
57	20.115	2890	2895	2897	rBV4	212519	348410	2.87%	0.260%
58	20.150	2898	2901	2906	rVB	318771	433889	3.58%	0.324%
59	20.250	2914	2918	2921	rBV	135430	186117	1.53%	0.139%
60	20.309	2922	2928	2932	rVV2	318590	581874	4.80%	0.434%
61	20.450	2948	2952	2955	rBV2	179813	255165	2.10%	0.190%
62	20.492	2956	2959	2963	rVB	171919	205925	1.70%	0.154%
63	20.897	3024	3028	3034	rVB	432370	569441	4.69%	0.425%
64	21.062	3051	3056	3059	rBV3	353488	576323	4.75%	0.430%
65	21.103	3059	3063	3067	rVV	1299606	1605020	13.23%	1.198%
66	21.139	3067	3069	3074	rVV2	278248	436257	3.60%	0.326%
67	21.192	3074	3078	3084	rVB2	443515	667012	5.50%	0.498%
68	21.409	3108	3115	3119	rBV2	4295273	8405397	69.28%	6.273%
69	21.450	3119	3122	3132	rVB	2099342	2715591	22.38%	2.027%
70	23.033	3386	3391	3396	rBV	1405208	3088584	25.46%	2.305%
71	23.533	3471	3476	3479	rBV	737706	1268092	10.45%	0.946%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : C0AC7

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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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Title : SVOA CALIBRATION

72	23.586	3479	3485	3490	rBV2	5557190	10577754	87.18%	7.895%
73	23.733	3504	3510	3516	rBV	2395075	4648983	38.32%	3.470%

Sum of corrected areas: 133988385

LSC Report - Integrated Chromatogram

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Misc :
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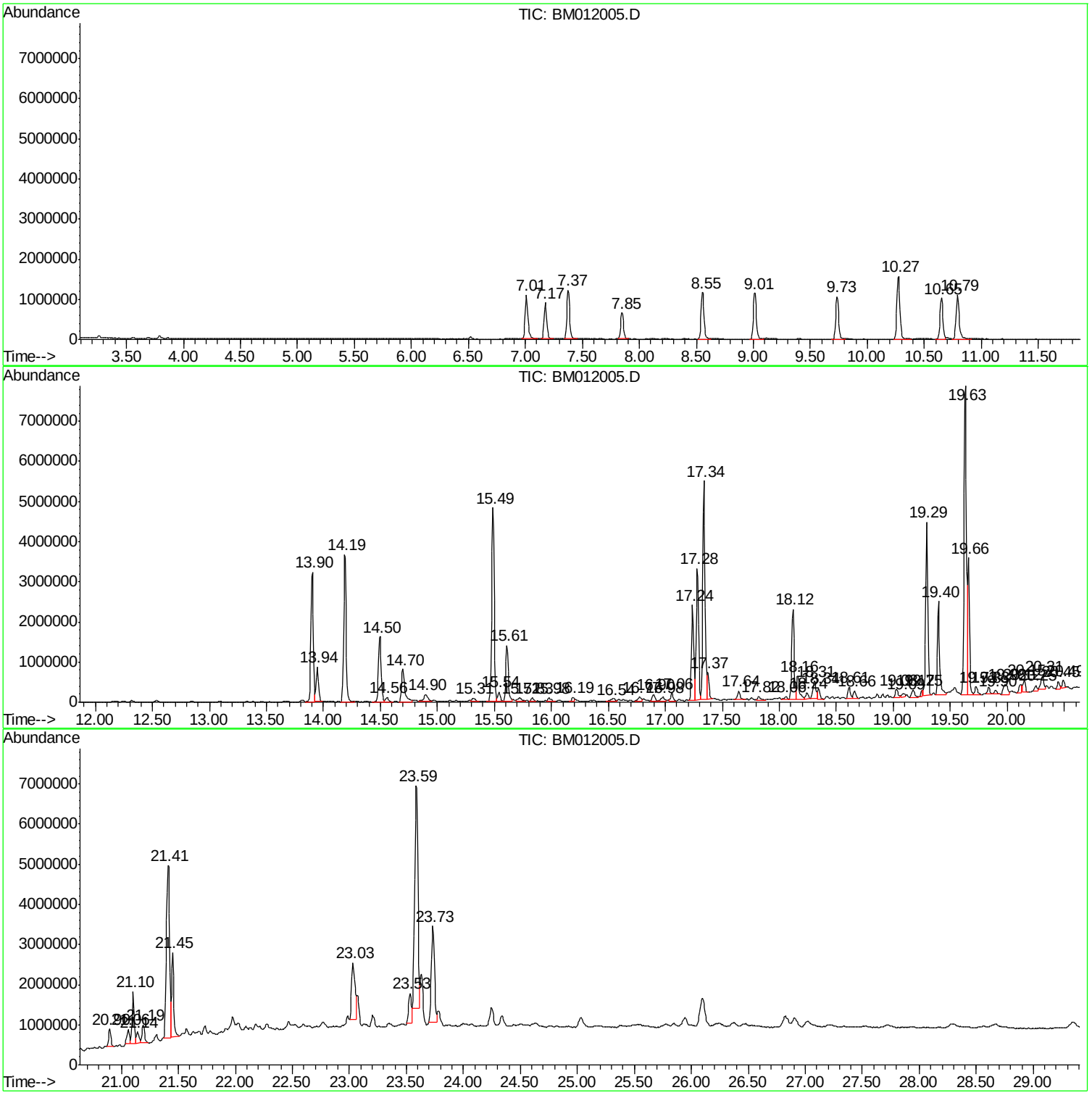
Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
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Acq On : 09 Oct 2017 08:16
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Sample : I5522-21
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Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

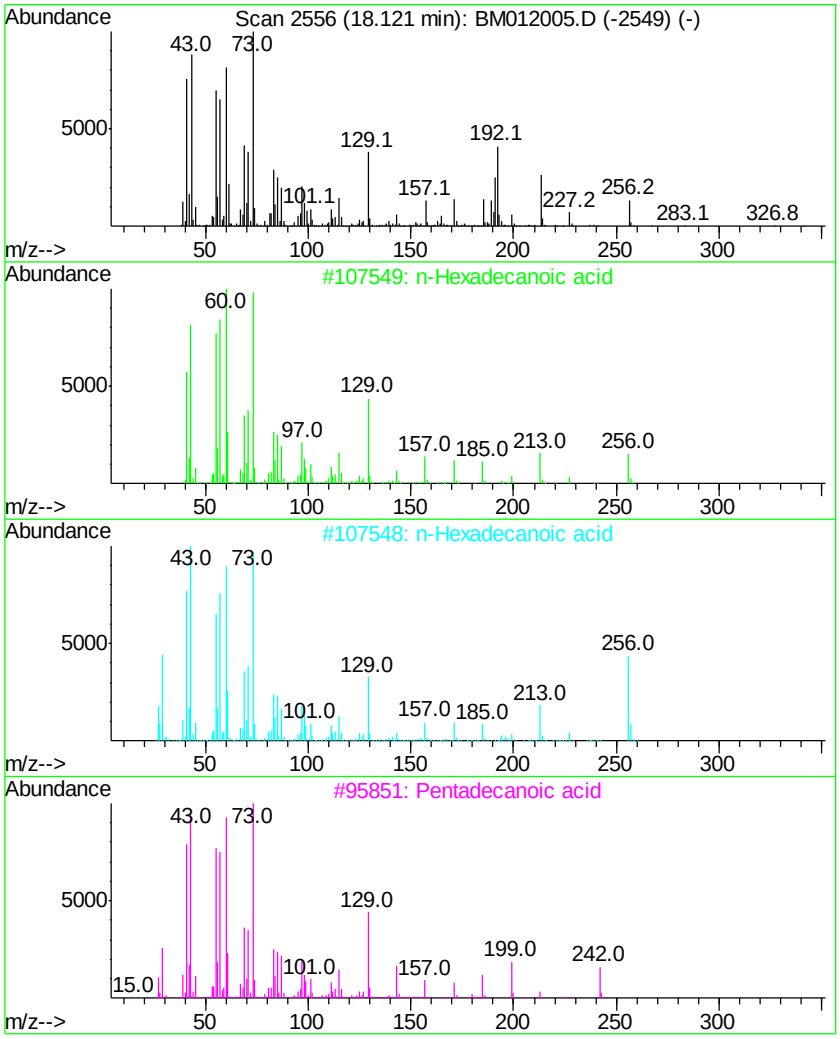
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

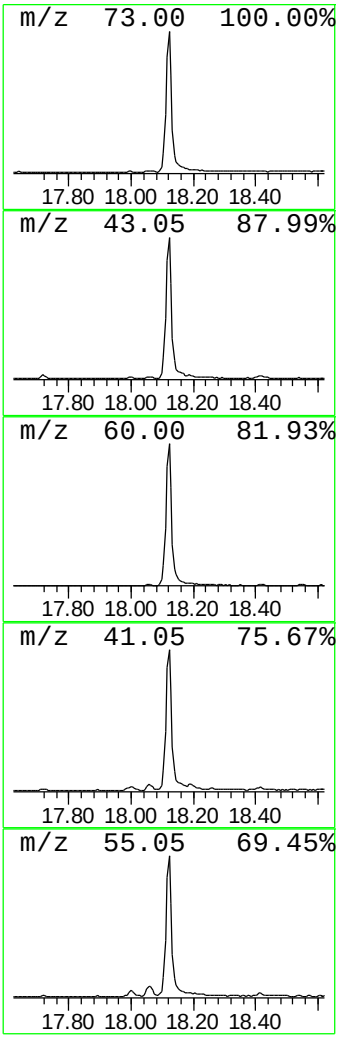
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	19.00 ng/ul	3165400	Phenanthrene-d10	17.24

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	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
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Sample : I5522-21
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

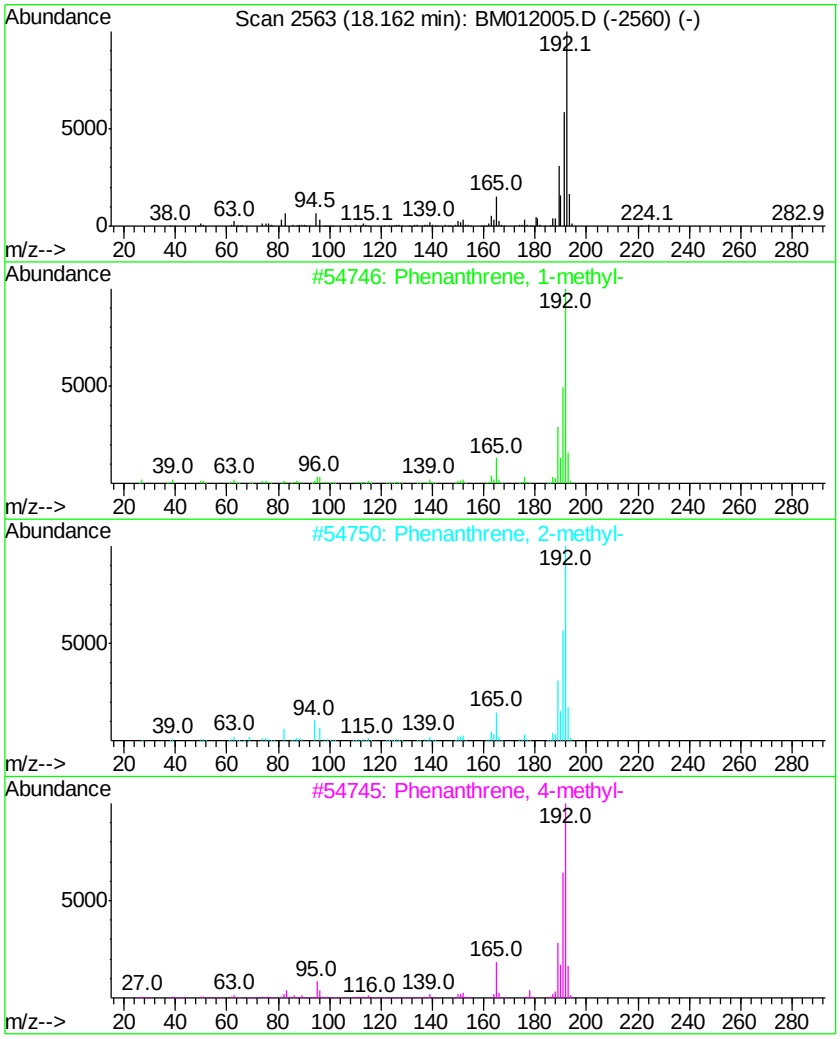
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

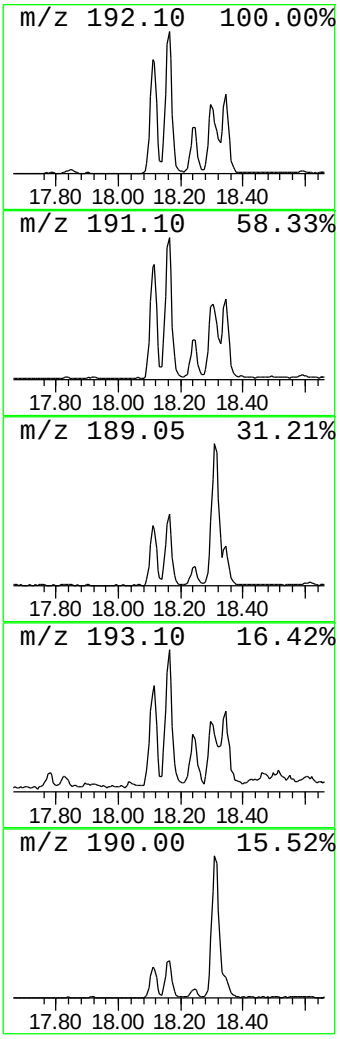
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	5.97 ng/ul	994704	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Sample : I5522-21
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

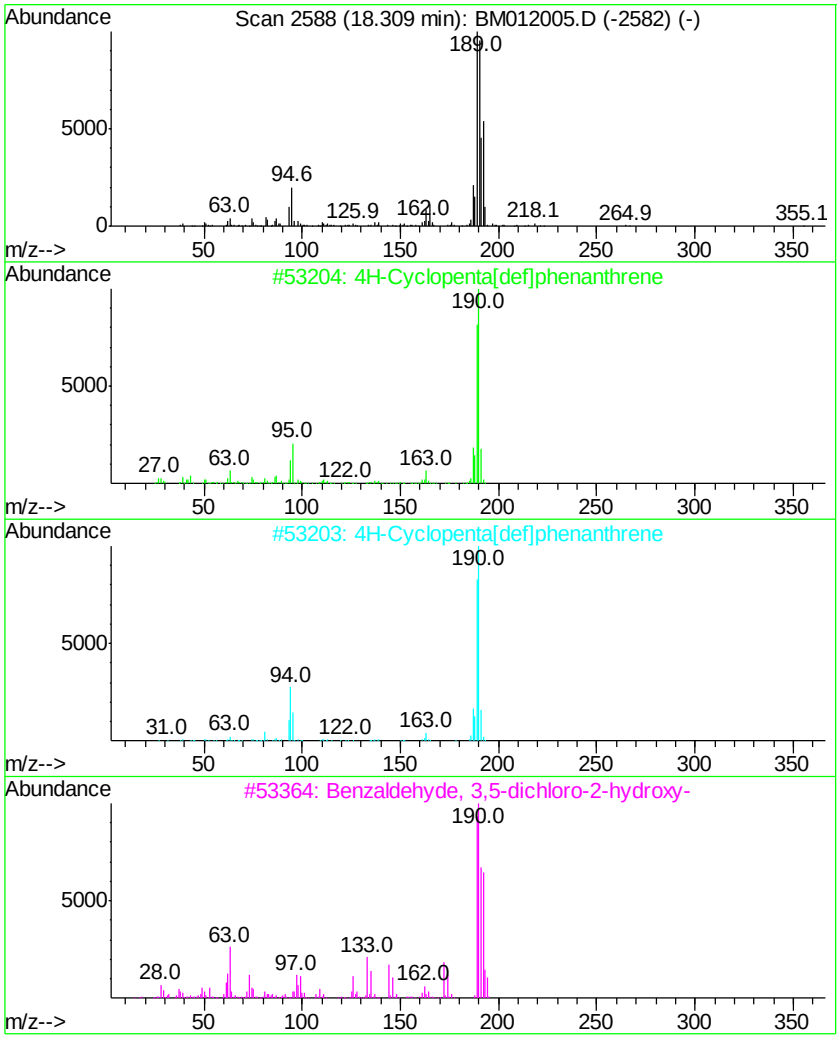
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

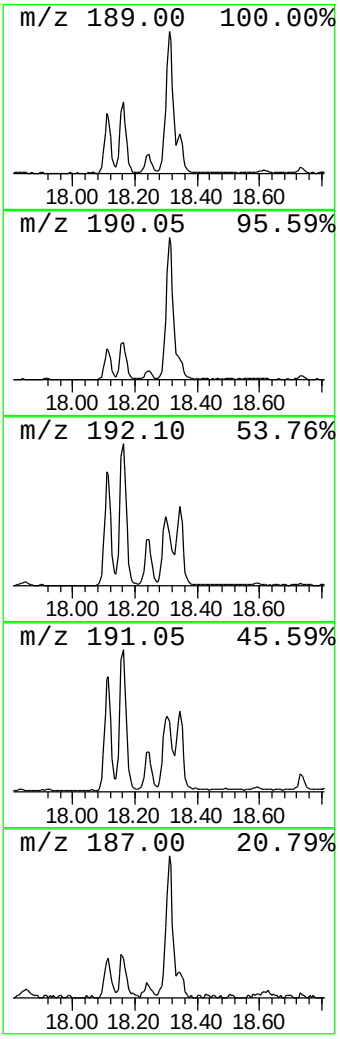
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	5.30 ng/ul	882245	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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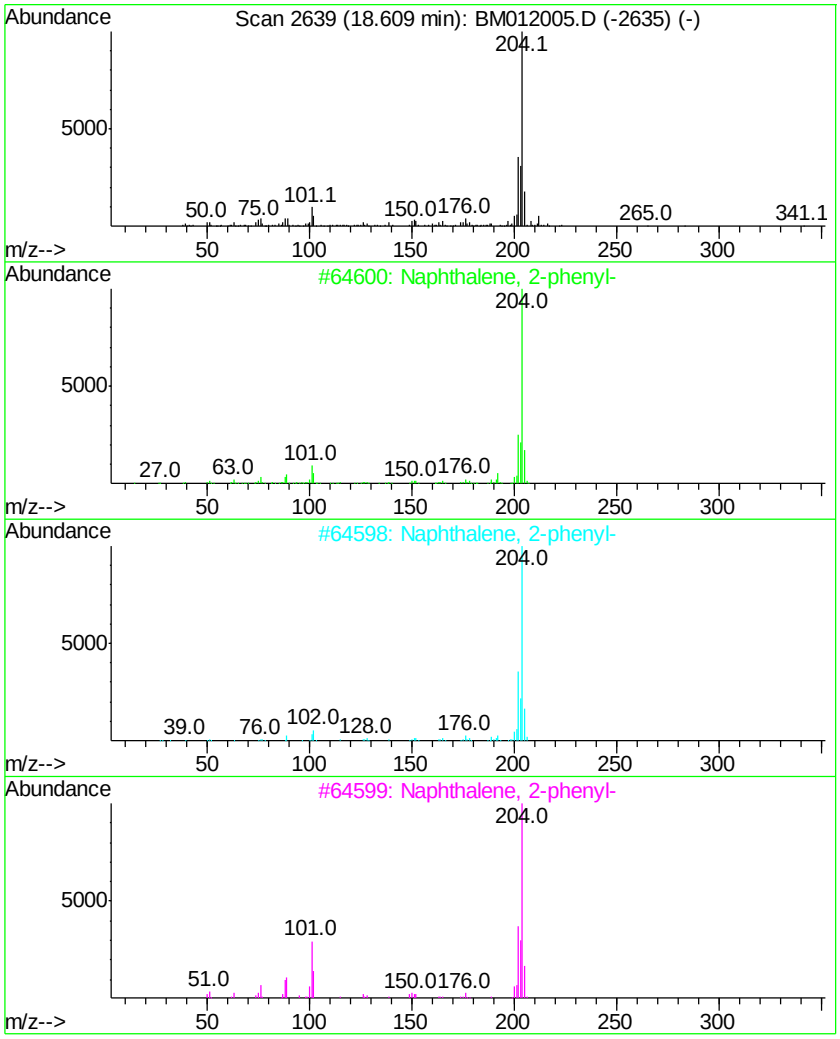
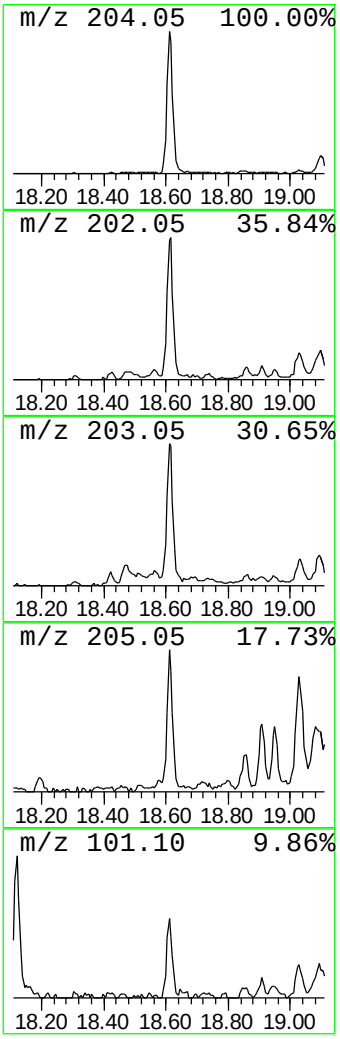
****

Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.46 ng/ul	409063	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

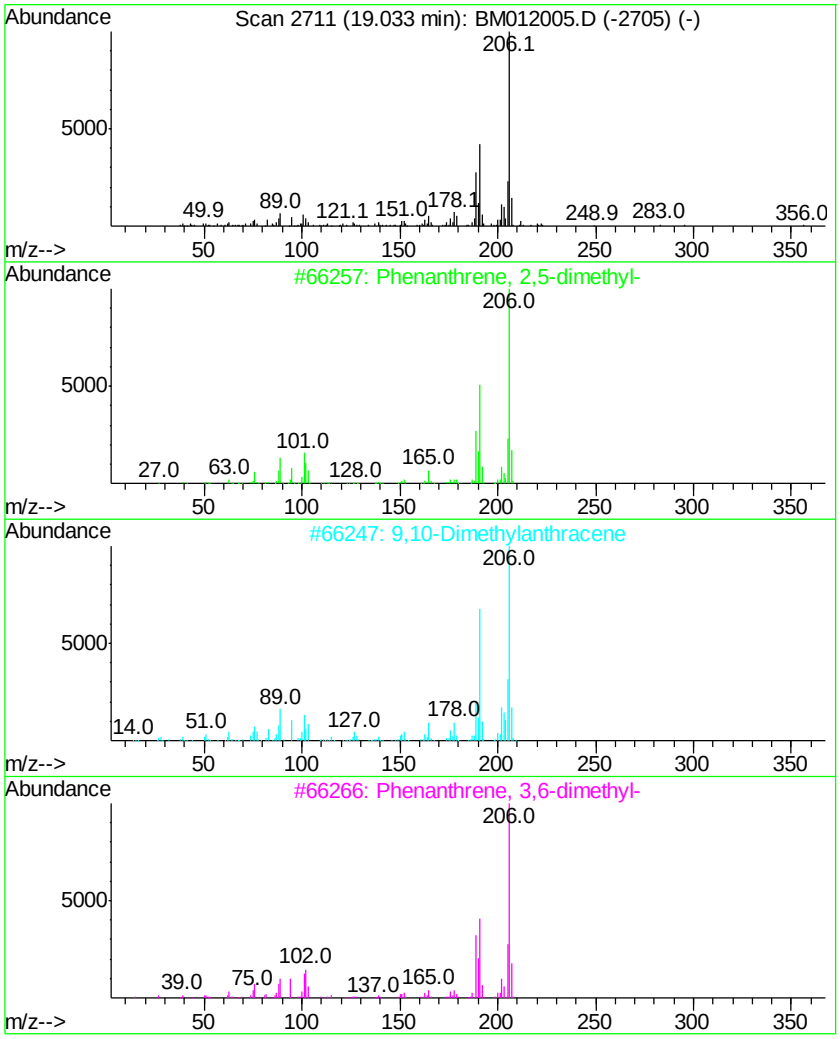
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

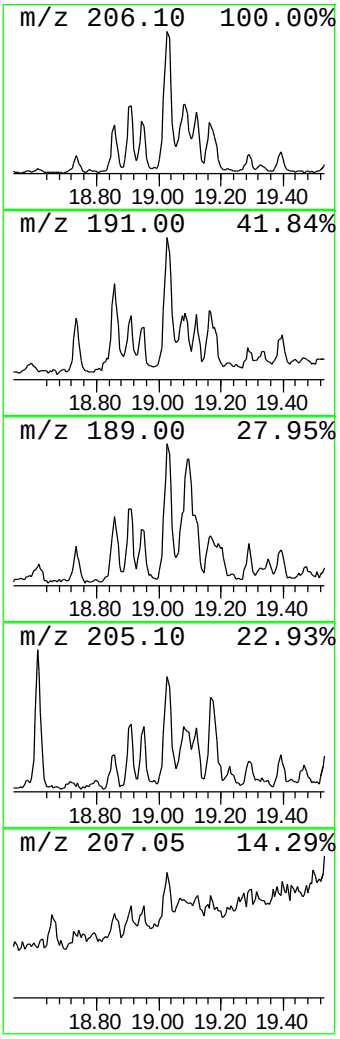
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.18 ng/ul	363845	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

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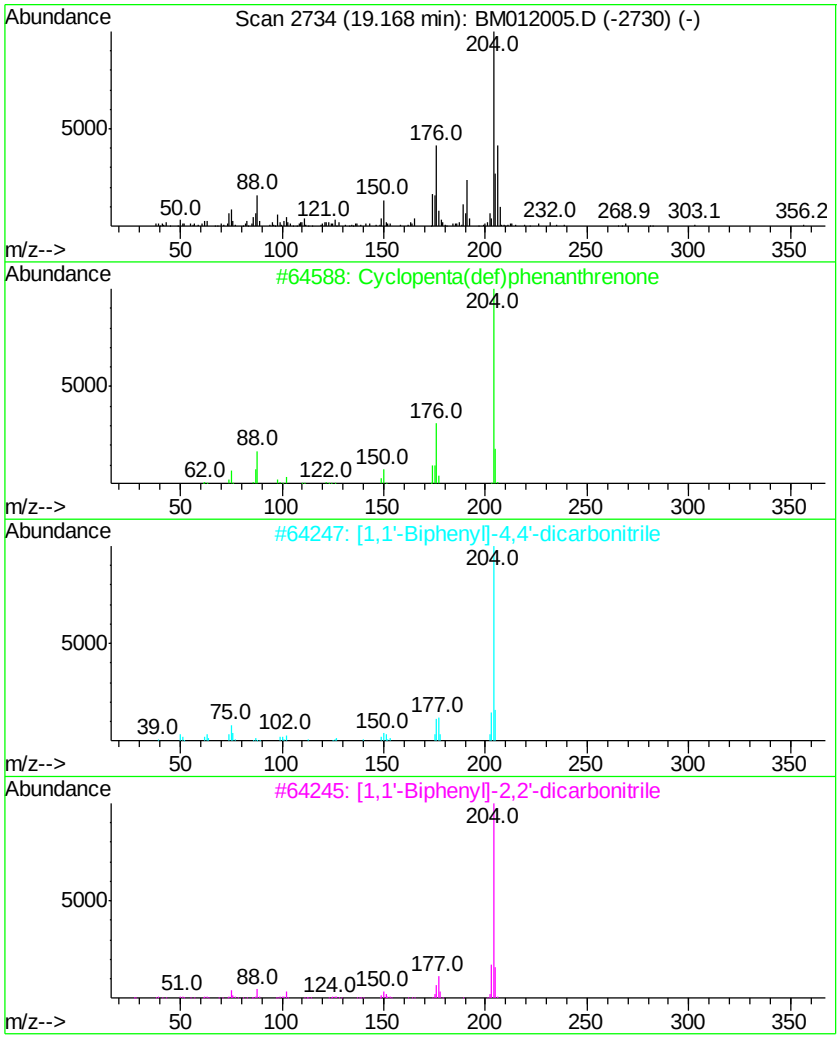
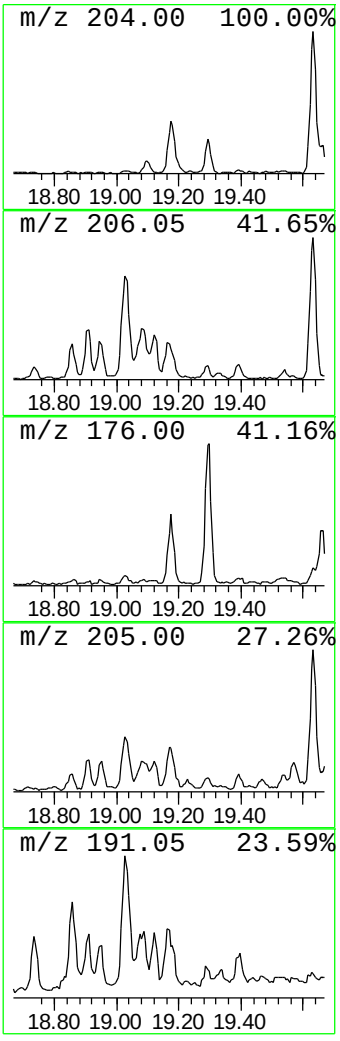
Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	2.17 ng/ul	362210	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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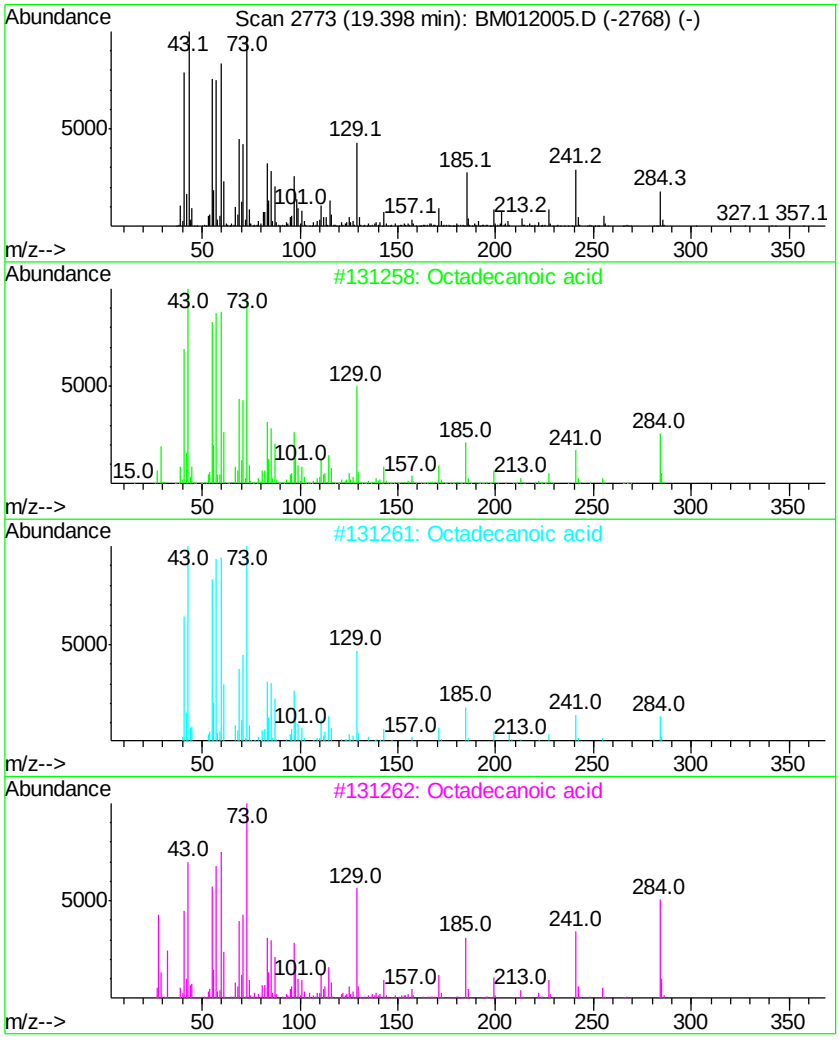
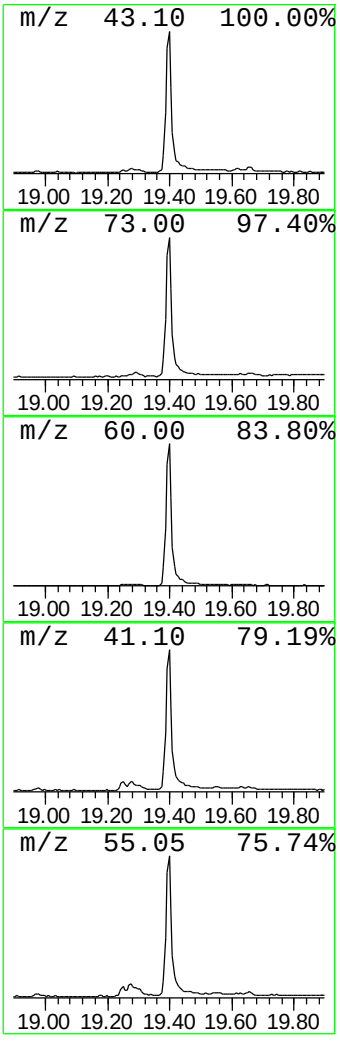
Peak Number 7 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	7.37 ng/ul	3098190	Chrysene-d12	21.42

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	98
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM012005.D
Acq On : 09 Oct 2017 08:16
Operator : SJ/JU
Sample : I5522-21
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

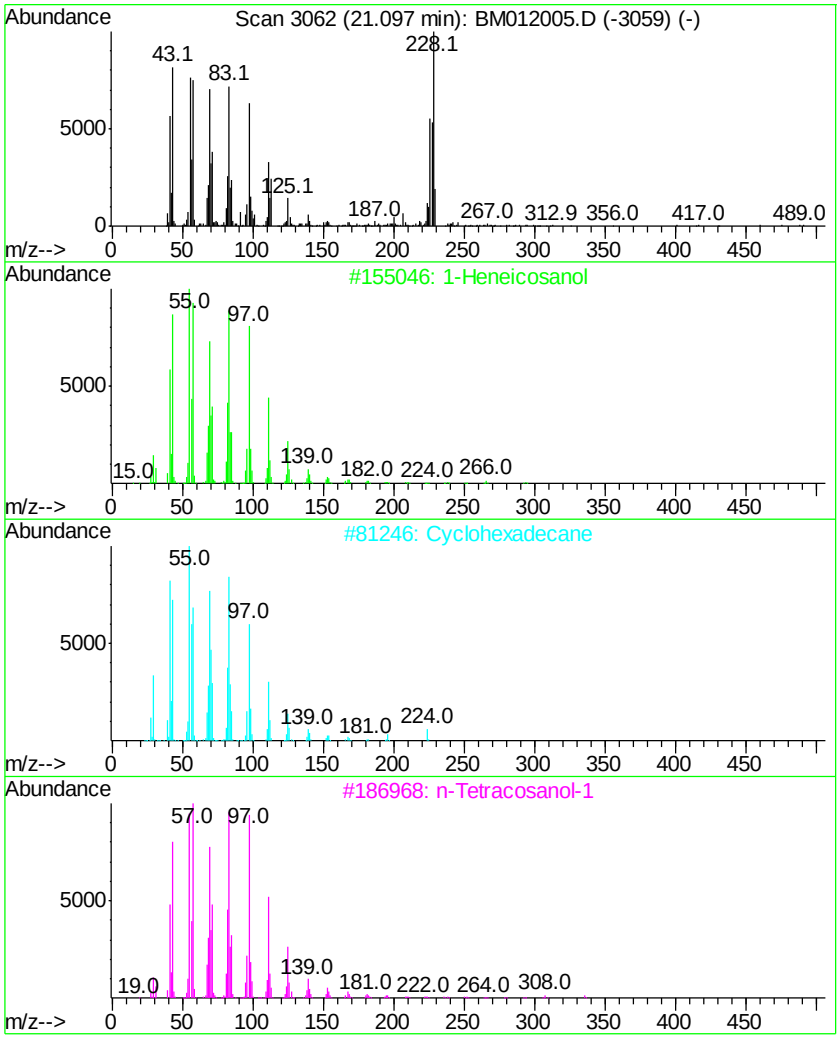
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

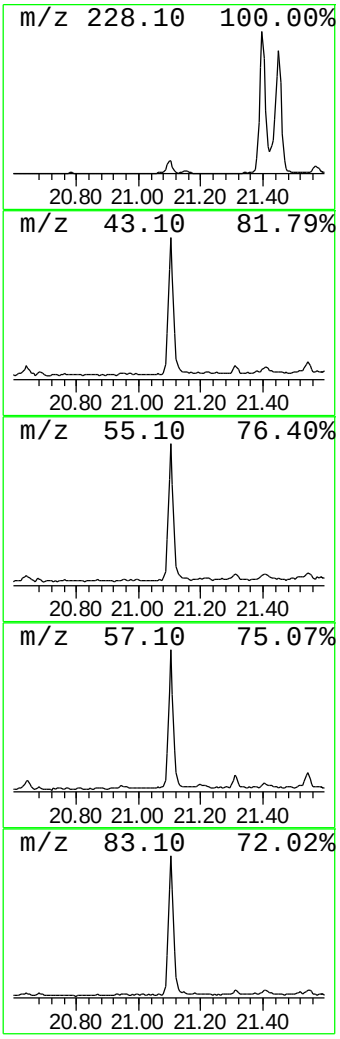
****

Peak Number 8 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	3.82 ng/ul	1605020	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	90
2	Cyclohexadecane	224	C16H32	000295-65-8	83
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	78
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	78
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100817\
Data File : BM012005.D
Acq On : 09 Oct 2017 08:16
Operator : SJ/JU
Sample : I5522-21
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.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	18.12	19.0	ng/ul	3165400	4	17.24	3332370	20.0
Phenanthrene, 1-m...	18.16	6.0	ng/ul	994704	4	17.24	3332370	20.0
4H-Cyclopenta[def...	18.31	5.3	ng/ul	882245	4	17.24	3332370	20.0
Naphthalene, 2-ph...	18.61	2.5	ng/ul	409063	4	17.24	3332370	20.0
Phenanthrene, 2,5...	19.03	2.2	ng/ul	363845	4	17.24	3332370	20.0
Cyclopenta(def)ph...	19.17	2.2	ng/ul	362210	4	17.24	3332370	20.0
Octadecanoic acid	19.40	7.4	ng/ul	3098190	5	21.42	8405400	20.0
1-Heneicosanol	21.10	3.8	ng/ul	1605020	5	21.42	8405400	20.0