LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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	3.993	148	154	162	rBV	329512	490408	1.44%	0.410%
2	5.457	397	403	420	rVB	495390	1149656	3.38%	0.961%
3	5.828	459	466	474	rBV2	281970	461175	1.36%	0.386%
4	7.828	801	806	820	rVB	1230669	2137034	6.28%	1.787%
5	8.540	921	927	937	rBV	167742	372988	1.10%	0.312%
6	9.722	1115	1128	1137	rBV5	142673	361116	1.06%	0.302%
7	10.263	1214	1220	1229	rBV	175462	381901	1.12%	0.319%
8	10.634	1276	1283	1289	rBV	1671876	2770804	8.15%	2.316%
9	13.880	1826	1835	1840	rBV	441066	711554	2.09%	0.595%
10	14.175	1878	1885	1896	rVB	492585	797835	2.35%	0.667%
11	14.480	1929	1937	1943	rBV2	2601336	4049622	11.91%	3.386%
12	15.469	2099	2105	2111	rBV	681547	1030737	3.03%	0.862%
13	15.527	2111	2115	2124	rVB2	230976	376359	1.11%	0.315%
14	17.227	2397	2404	2407	rBV2	3337767	5057224	14.87%	4.228%
15	17.263	2407	2410	2416	rVV	2878656	4059849	11.94%	3.394%
16	17.321	2416	2420	2423	rVV2	719963	1099259	3.23%	0.919%
17	17.357	2423	2426	2432	rVB	674843	932733	2.74%	0.780%
18	17.627	2465	2472	2481	rBV2	244649	540882	1.59%	0.452%
19	18.110	2547	2554	2558	rBV2	3716195	5356597	15.75%	4.478%
20	18.145	2558	2560	2567	rVV	651603	940859	2.77%	0.787%
21	18.227	2570	2574	2579	rVV	216267	372306	1.09%	0.311%
22	18.292	2580	2585	2589	rVV3	527699	1022937	3.01%	0.855%
23	18.598	2633	2637	2642	rVB	269504	344889	1.01%	0.288%
24	19.021	2703	2709	2713	rBV2	267623	451703	1.33%	0.378%
25	19.286	2749	2754	2767	rVB4	18026163	34003131	100.00%	28.427%
26	19.386	2767	2771	2783	rVB	2939406	3841569	11.30%	3.212%
27	19.615	2804	2810	2812	rBV3	1588551	2517382	7.40%	2.105%
28	19.645	2812	2815	2823	rVV	3311623	4557979	13.40%	3.811%
29	19.715	2823	2827	2833	rVB2	244626	366627	1.08%	0.307%
30	19.827	2842	2846	2851	rVB	431803	619565	1.82%	0.518%
31	19.968	2865	2870	2877	rBV5	235440	579530	1.70%	0.484%
32	20.139	2895	2899	2904	rVB	912145	1392919	4.10%	1.165%
33	20.239	2912	2916	2919	rBV	590586	715146	2.10%	0.598%
34	20.298	2924	2926	2931	rVB2	352482	464237	1.37%	0.388%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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	20.580	2970	2974	2977	rBV2	416425	540683	1.59%	0.452%
36	20.645	2978	2985	2988	rBV3	914861	1566744	4.61%	1.310%
37	20.962	3035	3039	3047	rVB	2382440	3026049	8.90%	2.530%
38	21.056	3051	3055	3056	rBV2	626074	750415	2.21%	0.627%
39	21.086	3056	3060	3065	rVB	3571341	4594979	13.51%	3.841%
40	21.339	3099	3103	3107	rBV2	2234905	2864521	8.42%	2.395%
41	21.403	3107	3114	3117	rVV2	4965086	8998948	26.47%	7.523%
42	21.439	3117	3120	3125	rVB	1995169	2450243	7.21%	2.048%
43	23.015	3383	3388	3394	rBV	1332345	3248495	9.55%	2.716%
44	23.509	3469	3472	3477	rBV	556315	918244	2.70%	0.768%
45	23.615	3485	3490	3498	rVB	1108392	2094251	6.16%	1.751%
46	23.715	3501	3507	3513	rBV	2213603	4232626	12.45%	3.539%

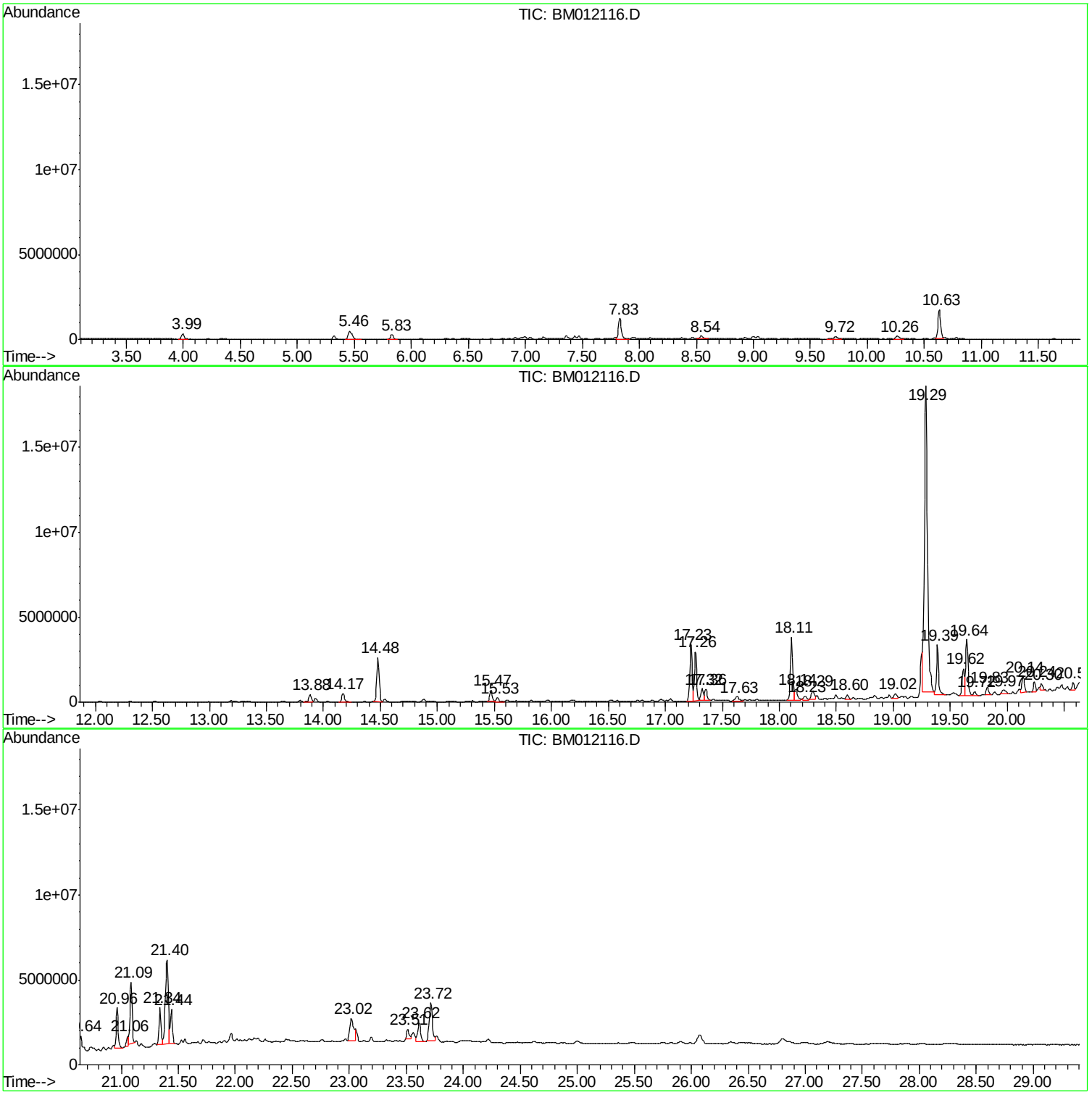
Sum of corrected areas: 119614710

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

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 : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

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

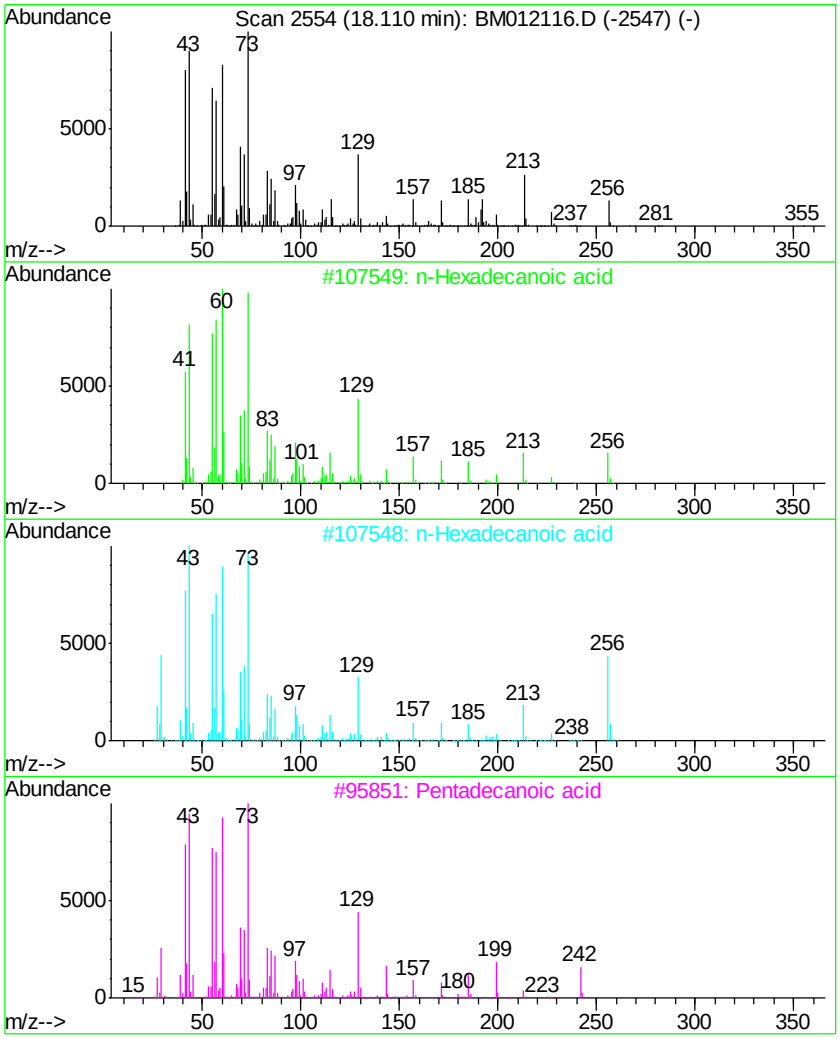
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

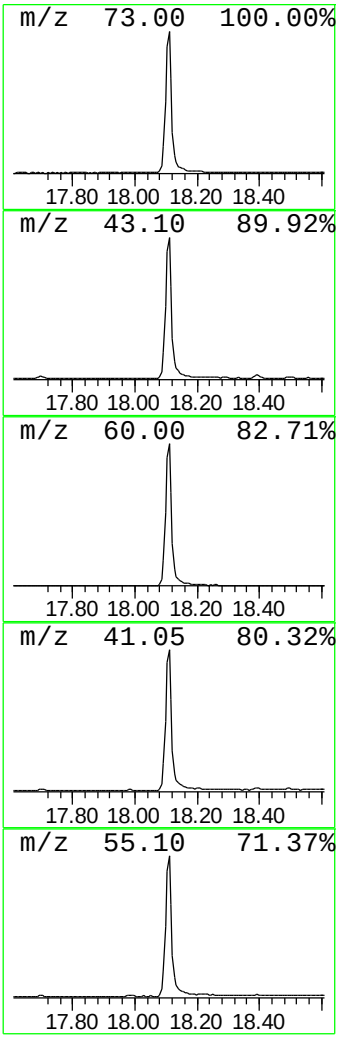
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	21.18 ng/ul	5356600	Phenanthrene-d10	17.23

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	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

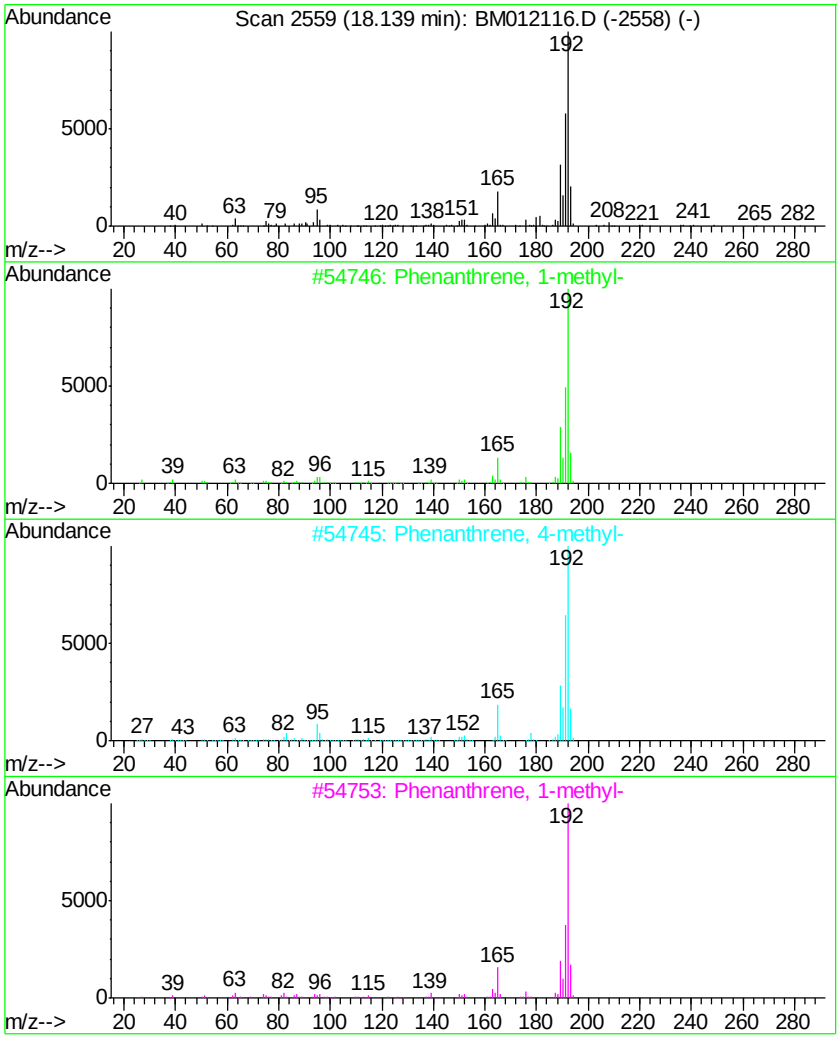
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

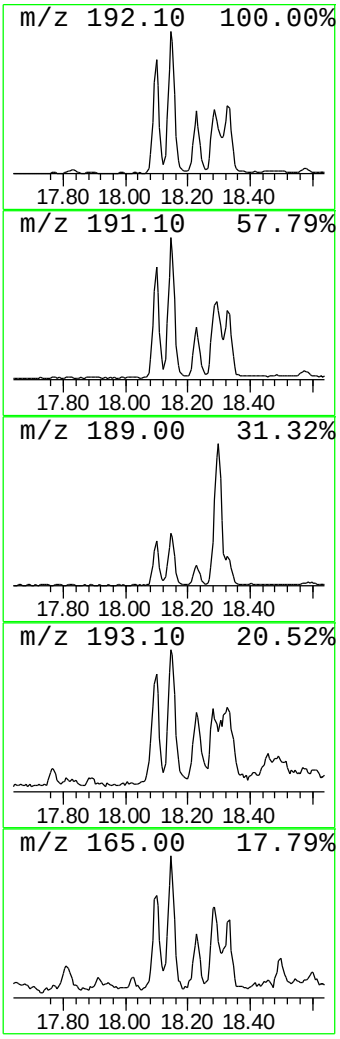
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.72 ng/ul	940859	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

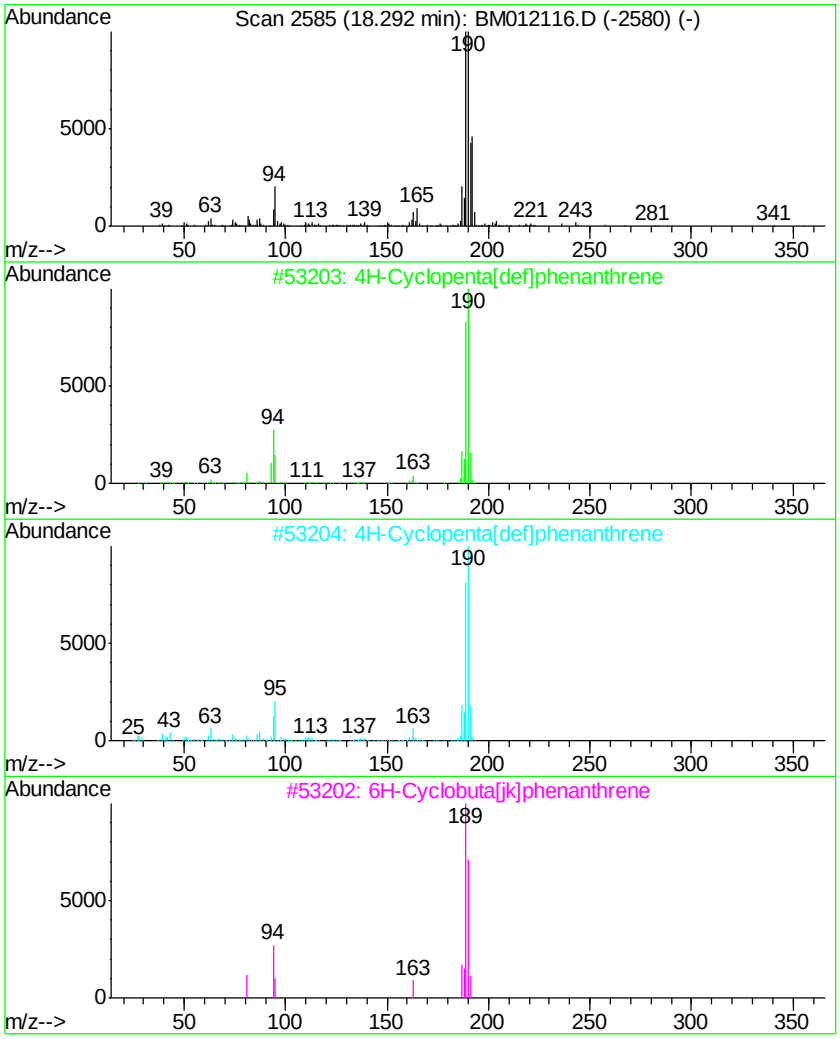
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

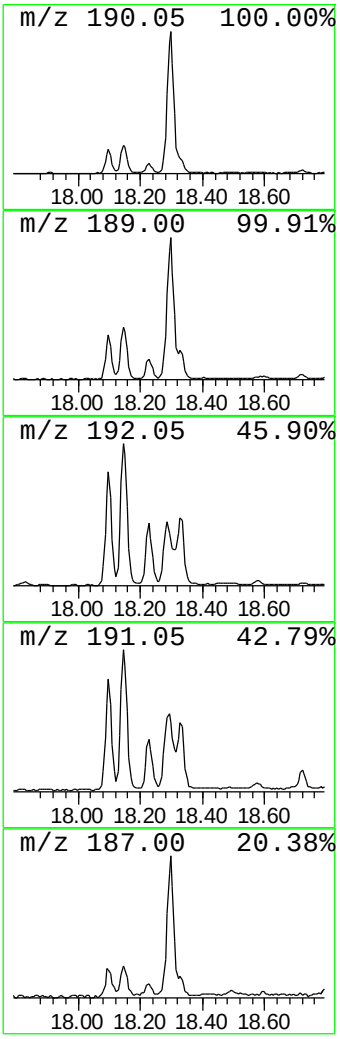
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.05 ng/ul	1022940	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

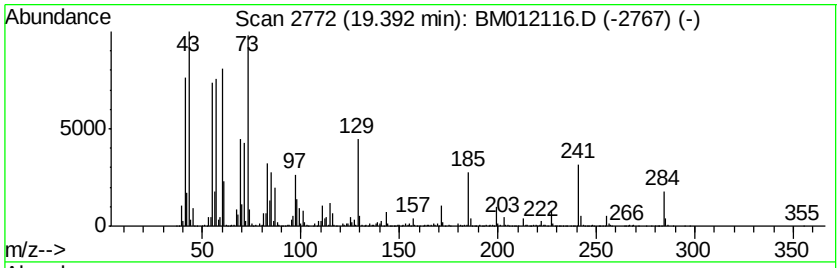
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

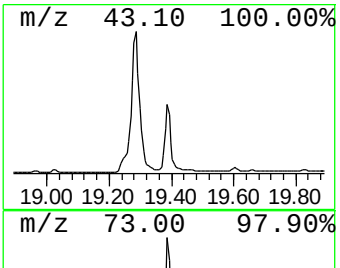
****

Peak Number 7 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	8.54 ng/ul	3841570	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	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	98
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

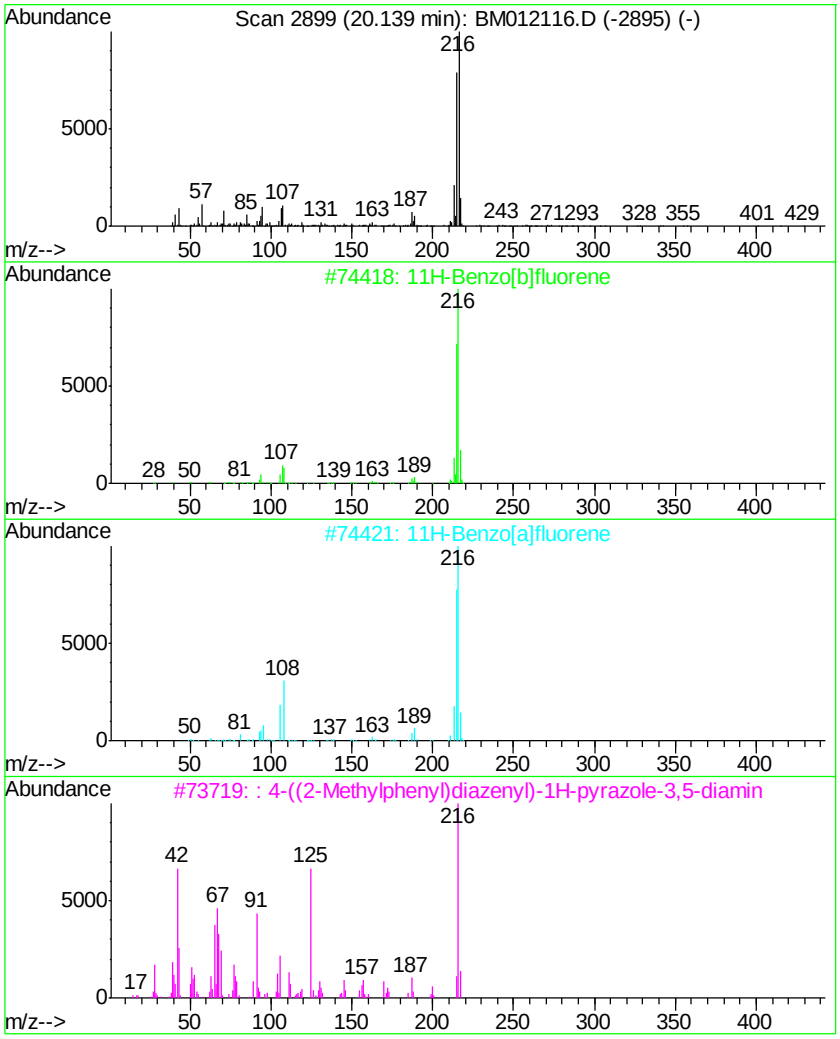
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

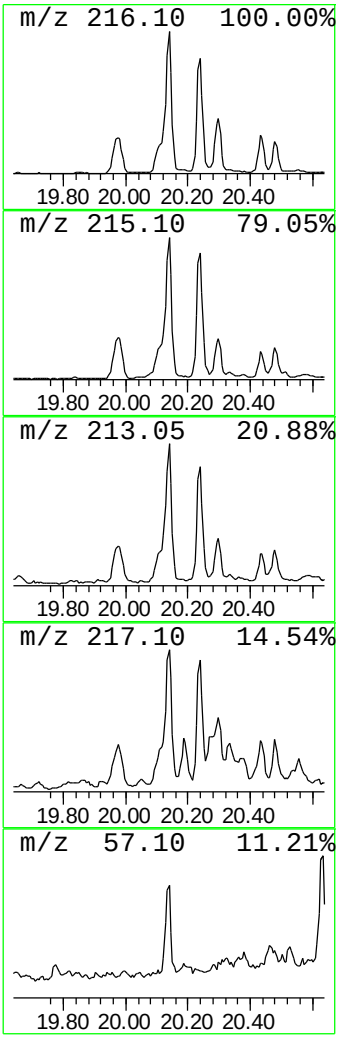
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	3.10 ng/ul	1392920	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	: 4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

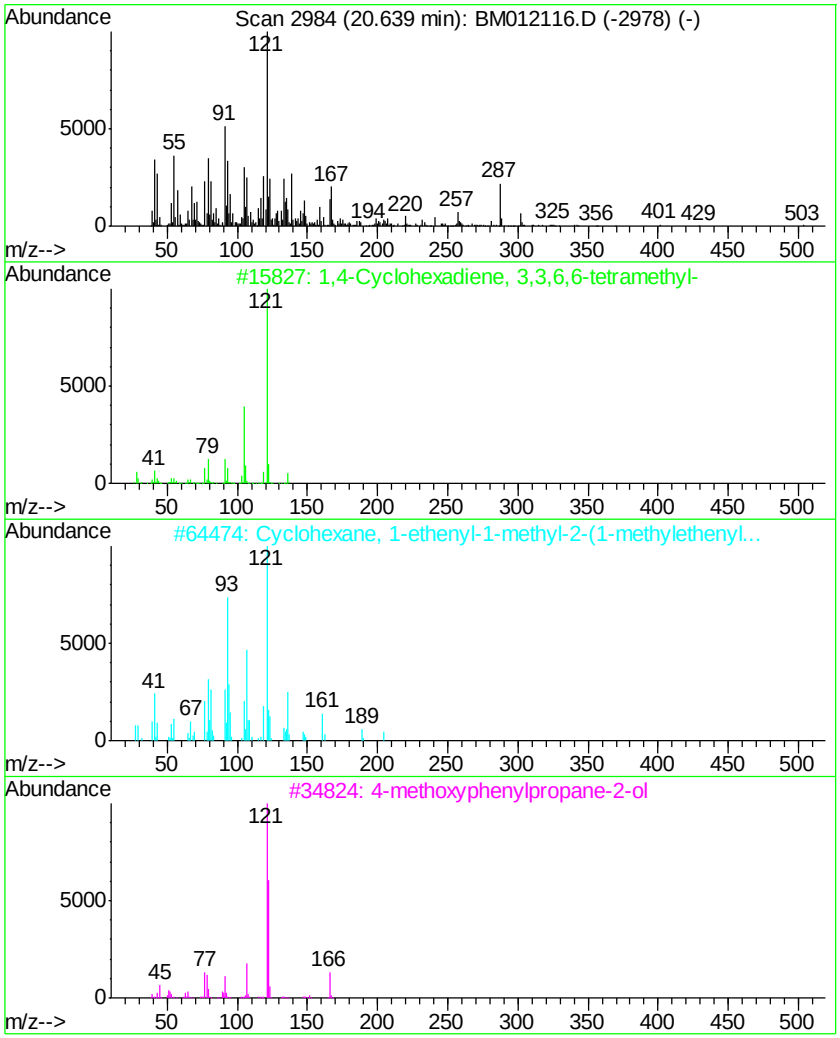
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

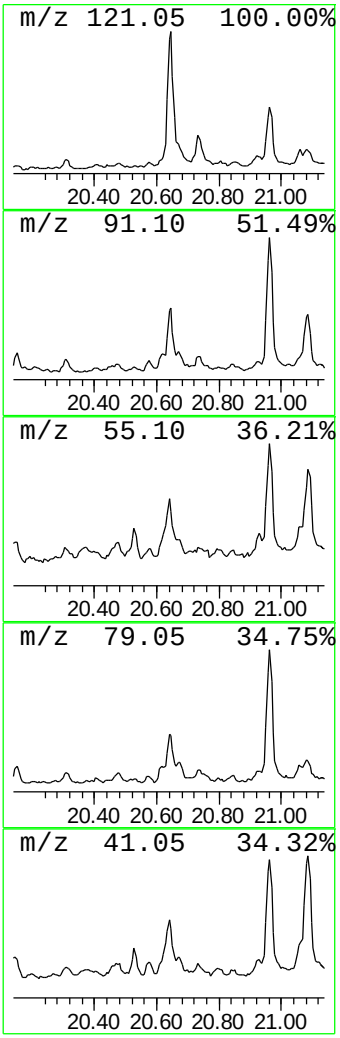
****

Peak Number 9 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	3.48 ng/ul	1566740	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene, 3,3,6,6-tetr...	136	C10H16	002223-54-3	38
2	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	35
3	4-methoxyphenylpropane-2-ol	166	C10H14O2	1000378-88-8	35
4	N-Fluoro-2,4,6-trimethylpyridini...	289	C9H11F4NO3S	107264-00-6	27
5	(Phenylthio)acetic acid, (4-meth...	288	C16H16O3S	1000308-33-9	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

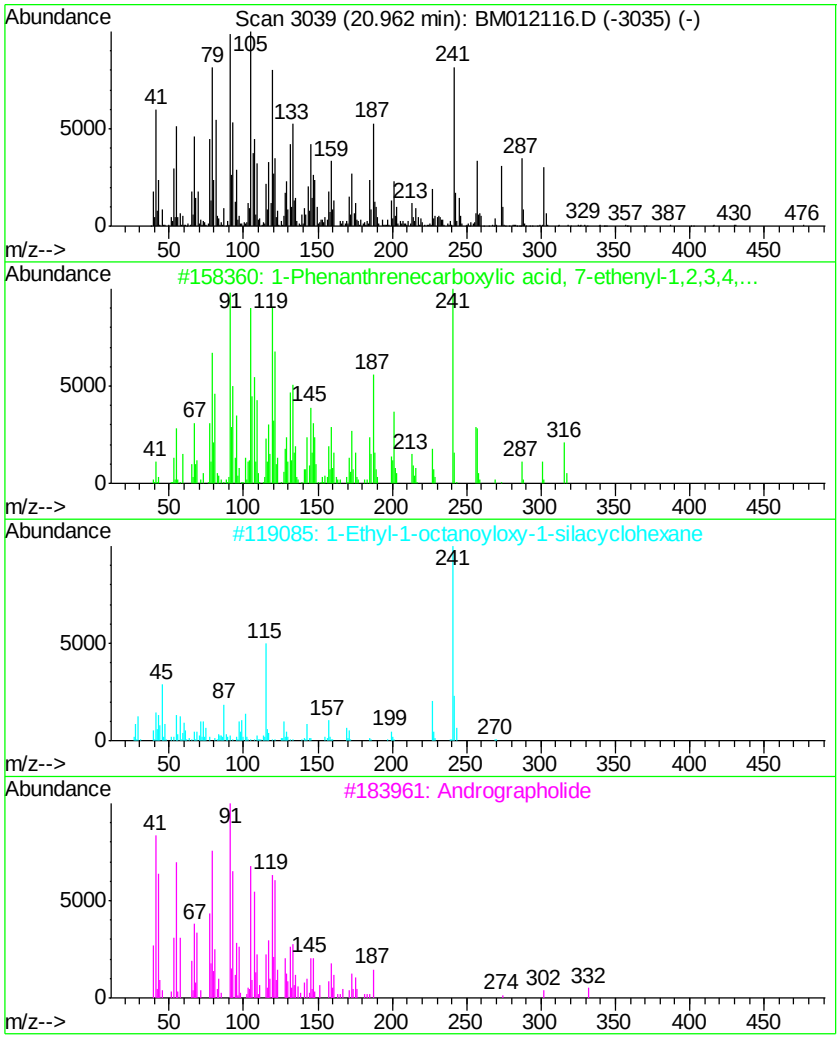
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

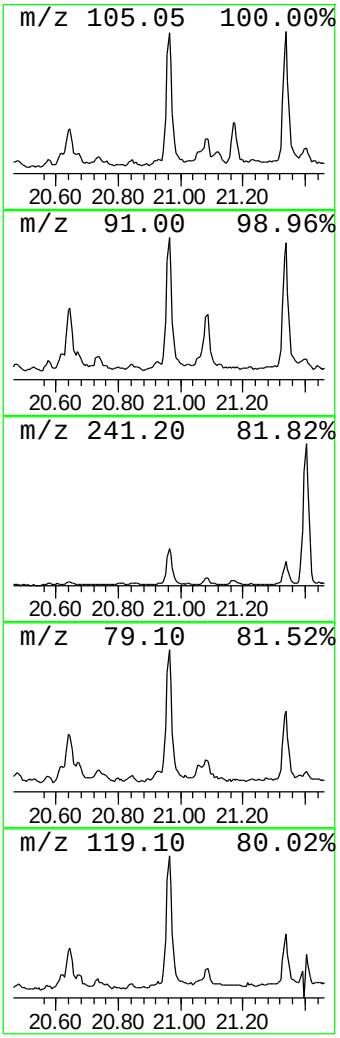
****

Peak Number 10 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	6.73 ng/ul	3026050	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	43
2	1-Ethyl-1-octanoyloxy-1-silacycl...	270	C15H30O2Si	1000279-86-3	25
3	Andrographolide	350	C20H30O5	005508-58-7	18
4	5,10-Pentadecadiyn-1-ol	220	C15H24O	064275-50-9	18
5	3,5-Bis(trifluoromethyl)benzamide	257	C9H5F6NO	022227-26-5	15





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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

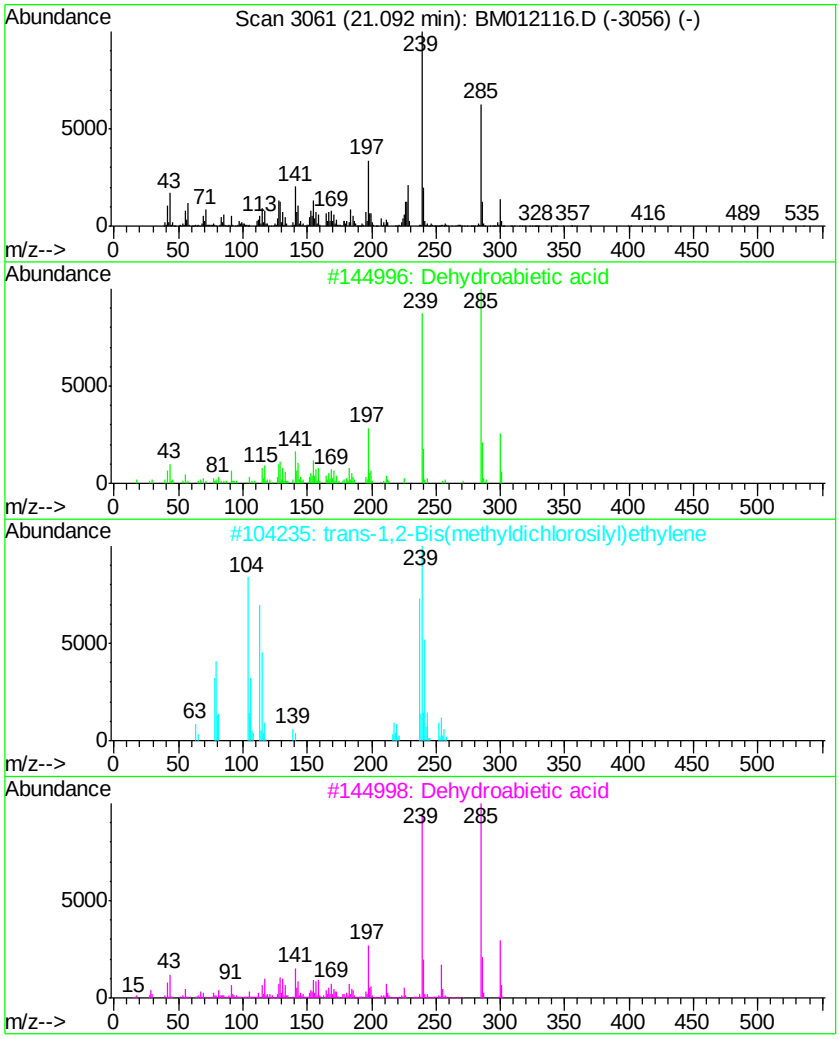
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

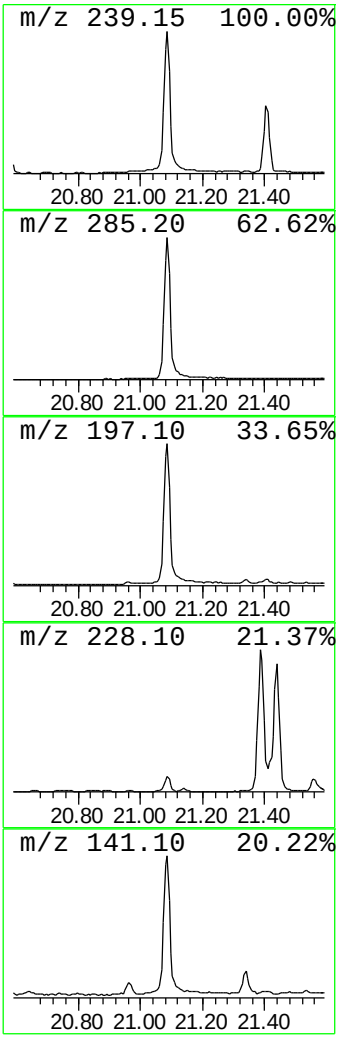
****

Peak Number 11 Dehydroabietic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	10.21 ng/ul	4594980	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	95
2	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	94
3	Dehydroabietic acid	300	C20H28O2	001740-19-8	91
4	Dehydroabietic acid	300	C20H28O2	001740-19-8	90
5	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

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

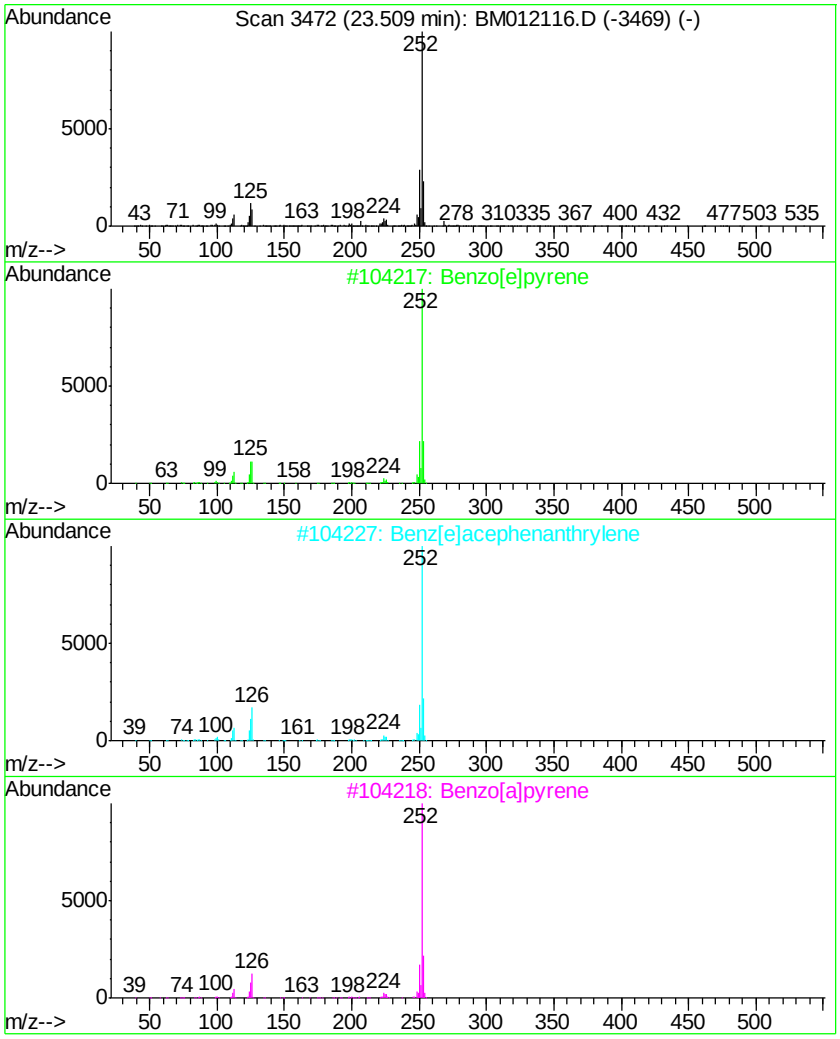
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

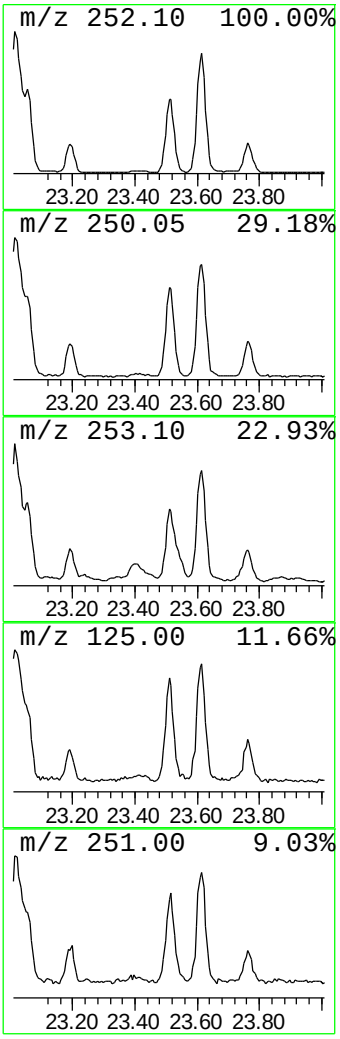
****

Peak Number 12 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	4.34 ng/ul	918244	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-70(5-7)-092717

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	18.11	21.2	ng/ul	5356600	4	17.23	5057220	20.0
Phenanthrene, 1-m...	18.14	3.7	ng/ul	940859	4	17.23	5057220	20.0
4H-Cyclopenta[def...	18.29	4.0	ng/ul	1022940	4	17.23	5057220	20.0
Octadecanoic acid	19.39	8.5	ng/ul	3841570	5	21.40	8998950	20.0
11H-Benzo[b]fluorene	20.14	3.1	ng/ul	1392920	5	21.40	8998950	20.0
unknown-01	20.64	3.5	ng/ul	1566740	5	21.40	8998950	20.0
unknown-02	20.96	6.7	ng/ul	3026050	5	21.40	8998950	20.0
Dehydroabietic acid	21.09	10.2	ng/ul	4594980	5	21.40	8998950	20.0
Benzo[e]pyrene	23.51	4.3	ng/ul	918244	6	23.72	4232630	20.0