LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-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	3.763	108	115	124	rVB	81565	115250	1.60%	0.158%
2	3.981	147	152	159	rBV	140130	203670	2.83%	0.279%
3	5.446	396	401	409	rBV	61057	116086	1.61%	0.159%
4	5.798	455	461	471	rBV3	100848	213588	2.97%	0.293%
5	6.992	654	664	676	rBV	273776	530523	7.38%	0.727%
6	7.151	684	691	704	rVB	202017	338385	4.71%	0.463%
7	7.351	717	725	734	rBV	307216	526434	7.32%	0.721%
8	7.822	793	805	811	rBV	1079137	1825851	25.40%	2.501%
9	7.875	811	814	826	rVB	59483	116136	1.62%	0.159%
10	8.534	919	926	942	rBV	325957	620603	8.63%	0.850%
11	8.986	996	1003	1017	rBV	256675	510455	7.10%	0.699%
12	9.710	1120	1126	1136	rBV	233994	442616	6.16%	0.606%
13	10.251	1211	1218	1232	rBV	347867	701881	9.76%	0.961%
14	10.622	1267	1281	1288	rBV	1540397	2610307	36.31%	3.575%
15	10.775	1300	1307	1324	rBV	148502	353764	4.92%	0.484%
16	13.874	1825	1834	1839	rBV	724457	1059749	14.74%	1.451%
17	13.921	1839	1842	1849	rVB	271047	389886	5.42%	0.534%
18	14.163	1877	1883	1899	rBV	796068	1314769	18.29%	1.801%
19	14.345	1907	1914	1921	rVB3	38229	79391	1.10%	0.109%
20	14.474	1927	1936	1943	rBV2	2216384	3434994	47.79%	4.704%
21	14.533	1943	1946	1954	rVB	50620	81959	1.14%	0.112%
22	14.698	1966	1974	1985	rBV2	98035	266515	3.71%	0.365%
23	14.874	1996	2004	2008	rBV5	57334	124576	1.73%	0.171%
24	15.298	2072	2076	2081	rVB3	62193	97405	1.36%	0.133%
25	15.463	2098	2104	2110	rBV	1011888	1490625	20.74%	2.041%
26	15.521	2110	2114	2120	rVV2	55658	97869	1.36%	0.134%
27	15.610	2123	2129	2139	rBV	178350	325801	4.53%	0.446%
28	15.704	2139	2145	2156	rVV6	45679	141645	1.97%	0.194%
29	15.810	2159	2163	2168	rVB	41804	76121	1.06%	0.104%
30	16.163	2219	2223	2225	rBV2	78802	114669	1.60%	0.157%
31	16.527	2277	2285	2289	rBV6	41178	98847	1.38%	0.135%
32	16.745	2316	2322	2326	rBV3	69574	128559	1.79%	0.176%
33	16.880	2340	2345	2350	rBV3	58451	91344	1.27%	0.125%
34	16.951	2352	2357	2362	rVV2	105435	183701	2.56%	0.252%

LSC Area Percent Report

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Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-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	17.004	2362	2366	2369	rVV3	54406	87208	1.21%	0.119%
36	17.039	2369	2372	2378	rVB	72479	113239	1.58%	0.155%
37	17.221	2396	2403	2407	rBV2	2620477	3915822	54.48%	5.363%
38	17.262	2407	2410	2414	rVV	1191234	1545991	21.51%	2.117%
39	17.315	2414	2419	2423	rVV2	1008279	1540457	21.43%	2.110%
40	17.351	2423	2425	2430	rVB	320857	391329	5.44%	0.536%
41	17.627	2466	2472	2474	rBV2	57452	118633	1.65%	0.162%
42	17.692	2480	2483	2486	rVB2	70540	83186	1.16%	0.114%
43	17.733	2486	2490	2493	rBV	67189	80527	1.12%	0.110%
44	17.804	2498	2502	2509	rVB5	54681	102403	1.42%	0.140%
45	18.092	2546	2551	2556	rBV	531620	778717	10.83%	1.066%
46	18.139	2556	2559	2566	rVB	359923	504337	7.02%	0.691%
47	18.227	2569	2574	2579	rVB	161675	229447	3.19%	0.314%
48	18.292	2579	2585	2588	rBV2	366106	659990	9.18%	0.904%
49	18.327	2589	2591	2596	rVB	197309	225209	3.13%	0.308%
50	18.386	2597	2601	2606	rBV3	79043	141633	1.97%	0.194%
51	18.592	2632	2636	2641	rBV	227549	305953	4.26%	0.419%
52	18.645	2641	2645	2652	rVB3	96277	153607	2.14%	0.210%
53	18.892	2683	2687	2690	rBV	96570	132784	1.85%	0.182%
54	18.927	2691	2693	2697	rVB2	84090	92911	1.29%	0.127%
55	19.009	2702	2707	2711	rBV2	316322	520883	7.25%	0.713%
56	19.156	2727	2732	2738	rBV4	188164	397713	5.53%	0.545%
57	19.280	2747	2753	2758	rBV	3999750	5380312	74.85%	7.368%
58	19.327	2758	2761	2765	rVV3	91950	144504	2.01%	0.198%
59	19.374	2765	2769	2775	rVV2	367989	470652	6.55%	0.645%
60	19.609	2804	2809	2811	rBV2	1704316	2482027	34.53%	3.399%
61	19.645	2811	2815	2822	rVV	3497694	4921206	68.46%	6.740%
62	19.709	2823	2826	2833	rVB2	237182	378452	5.26%	0.518%
63	19.956	2864	2868	2870	rBV2	268284	431886	6.01%	0.591%
64	20.133	2888	2898	2903	rBV3	589036	1270411	17.67%	1.740%
65	20.292	2919	2925	2929	rBV2	384841	740381	10.30%	1.014%
66	20.433	2946	2949	2953	rBV	223596	292913	4.07%	0.401%
67	20.515	2961	2963	2967	rVB	405712	443759	6.17%	0.608%
68	20.627	2979	2982	2985	rVB	259447	283071	3.94%	0.388%
69	20.886	3023	3026	3030	rBV	369292	435131	6.05%	0.596%
70	21.086	3056	3060	3064	rVB	893487	1018369	14.17%	1.395%
71	21.397	3107	3113	3117	rBV2	3656109	7188079	100.00%	9.844%

LSC Area Percent Report

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Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-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

72	21.439	3117	3120	3128	rVB	2025511	2586176	35.98%	3.542%
73	21.521	3131	3134	3137	rVB	556498	568065	7.90%	0.778%
74	21.962	3206	3209	3213	rVB2	831562	971383	13.51%	1.330%
75	23.021	3384	3389	3401	rVB	1891286	5579803	77.63%	7.642%
76	23.615	3487	3490	3500	rVB	1806349	3434102	47.77%	4.703%
77	23.721	3503	3508	3513	rVV	1733378	3051817	42.46%	4.180%

Sum of corrected areas: 73018452

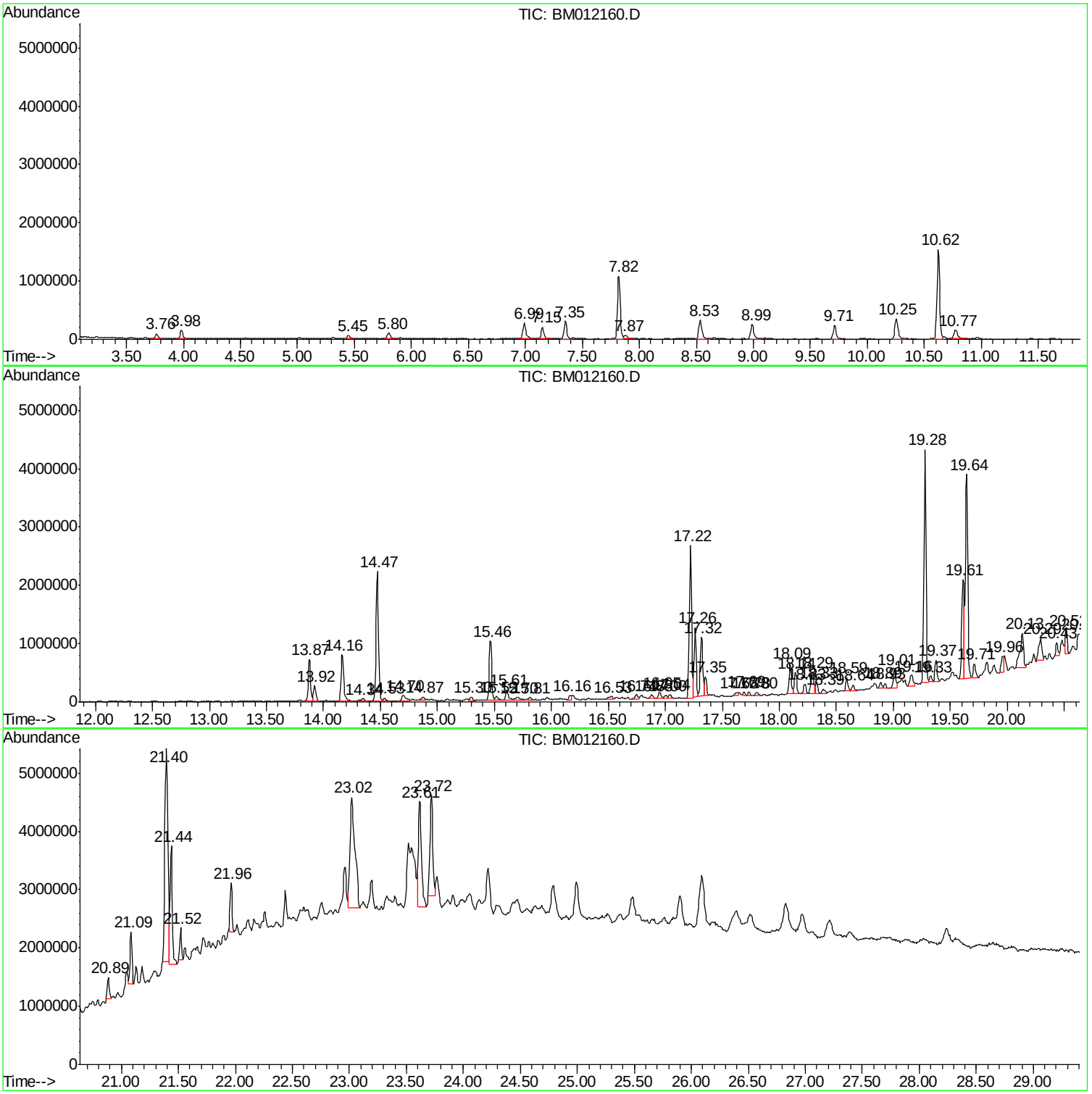
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-57(1-2)-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 : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-100317

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

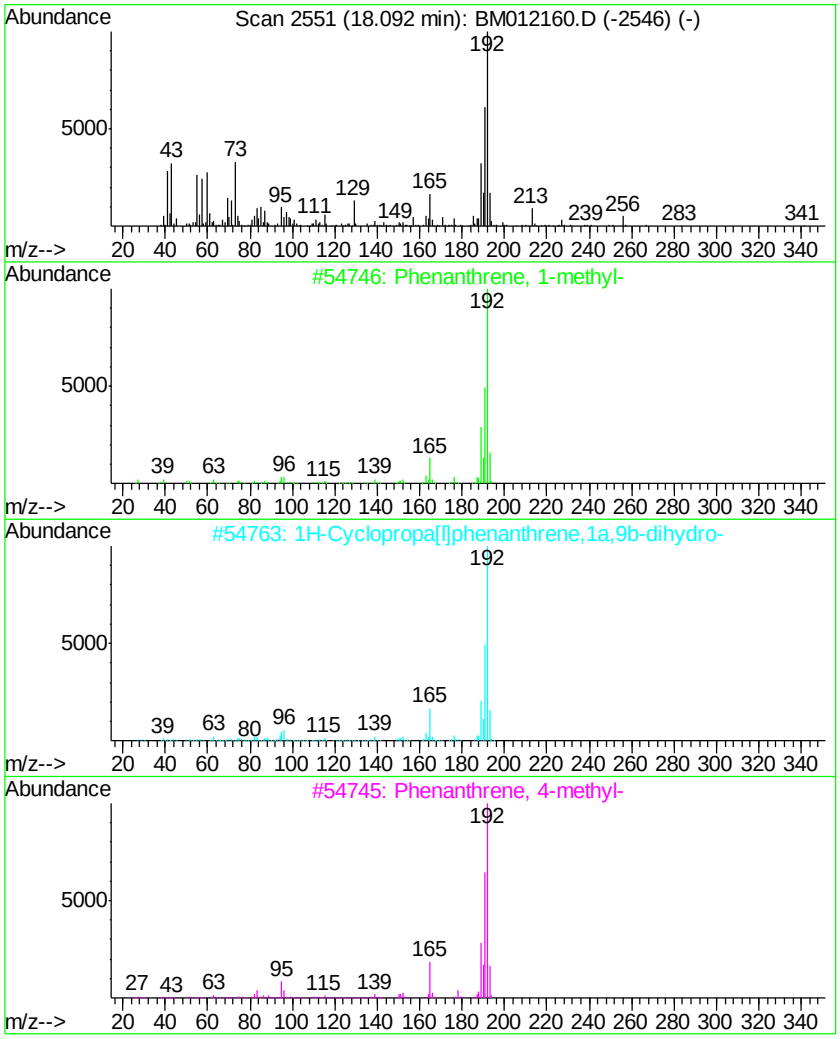
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

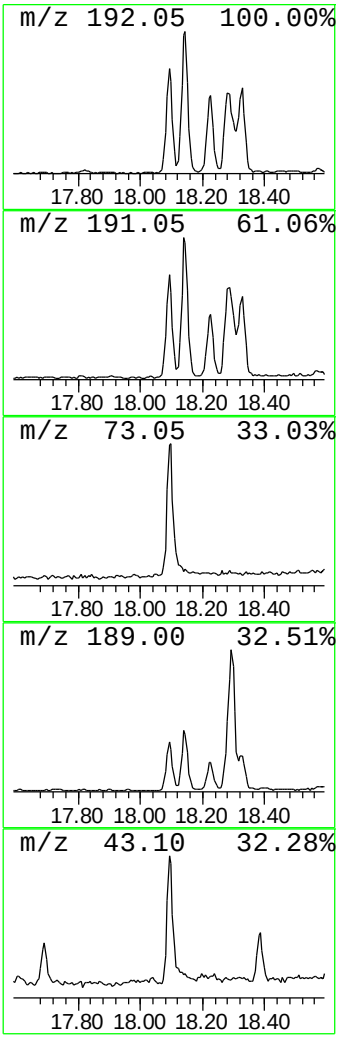
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.98 ng/ul	778717	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-100317

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

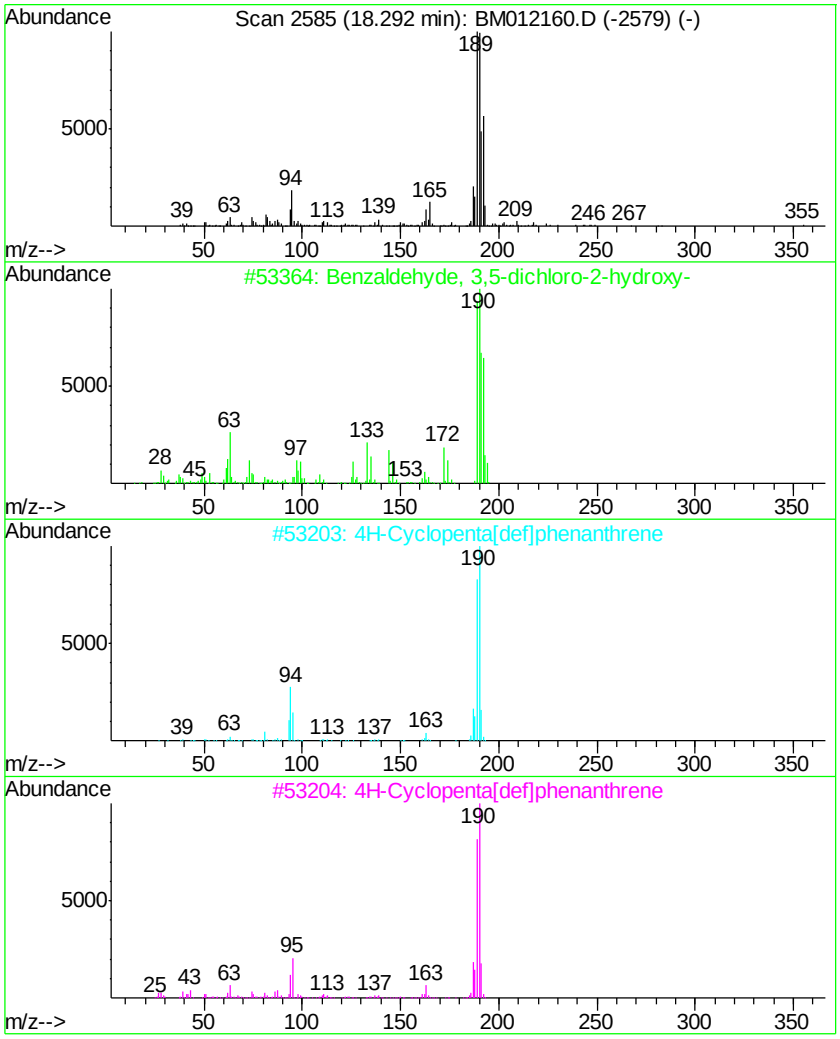
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

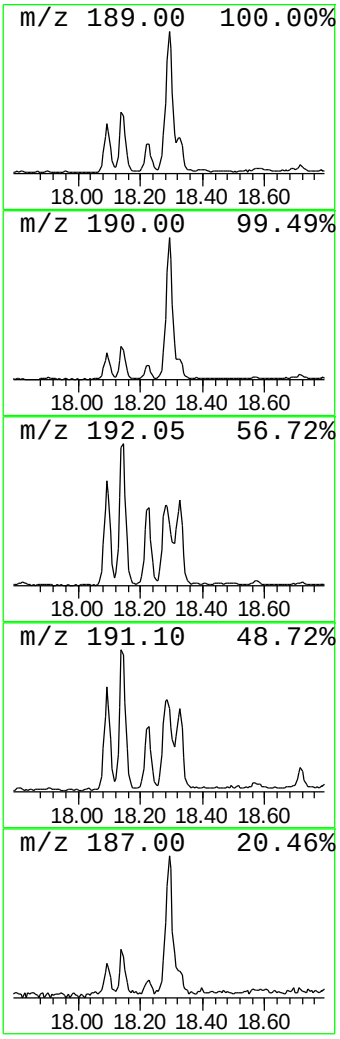
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.37 ng/ul	659990	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
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Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-100317

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

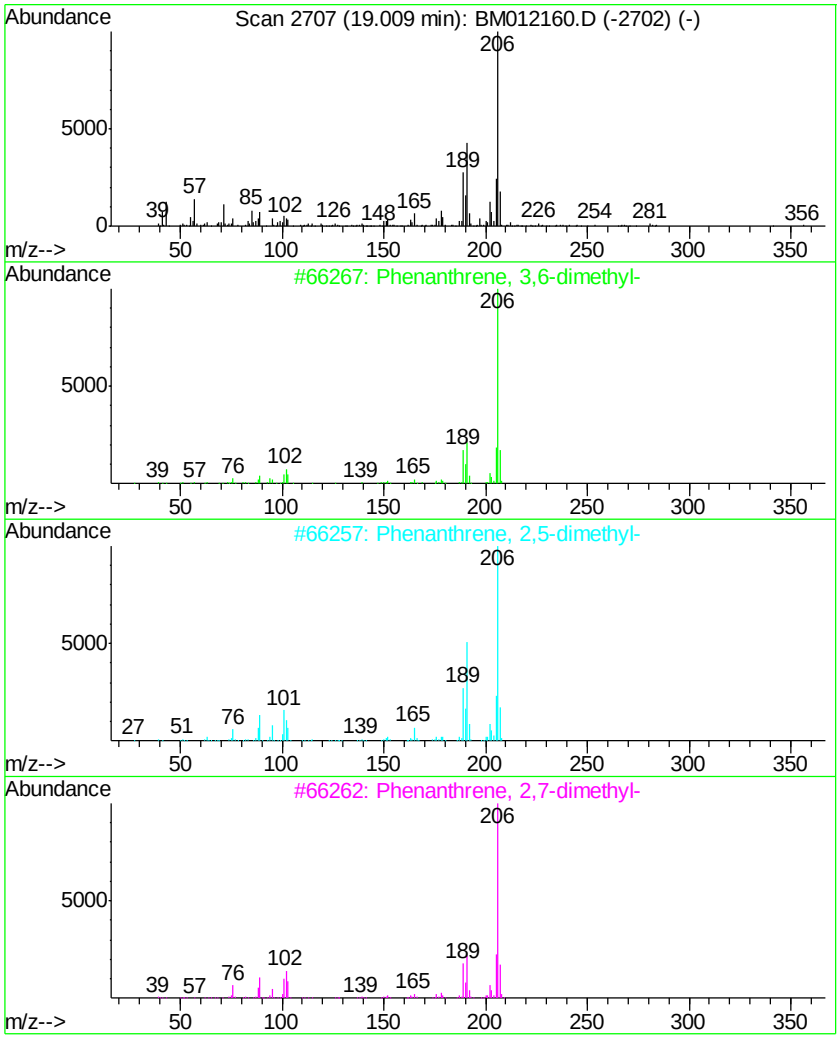
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

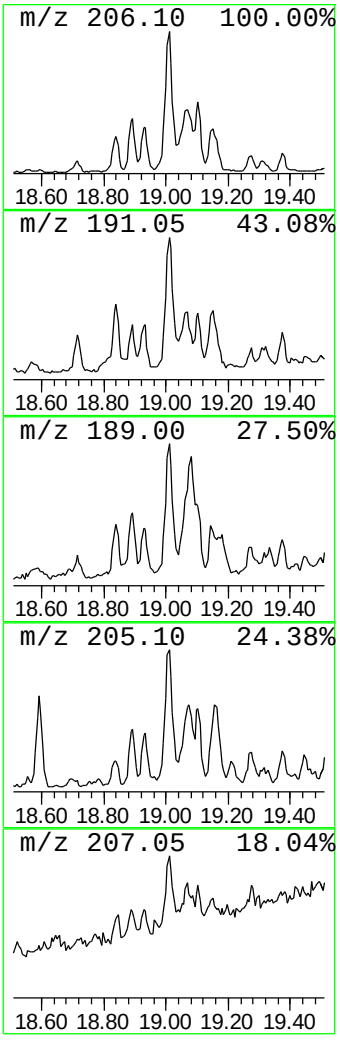
****

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.66 ng/ul	520883	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Instrument : BNA_M
ClientSampleId : B-57(1-2)-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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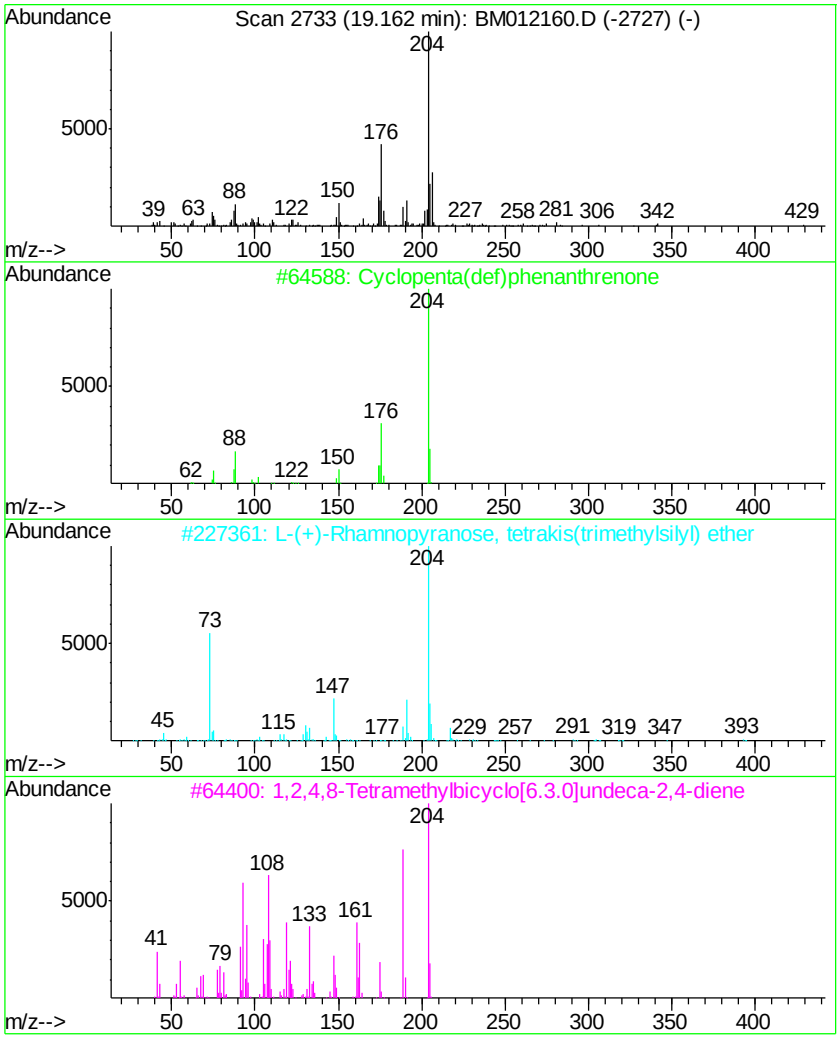
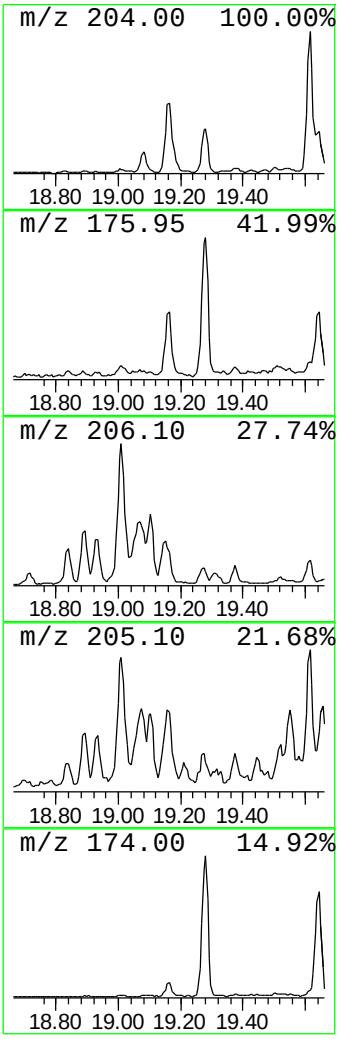
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	2.03 ng/ul	397713	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
5	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-100317

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

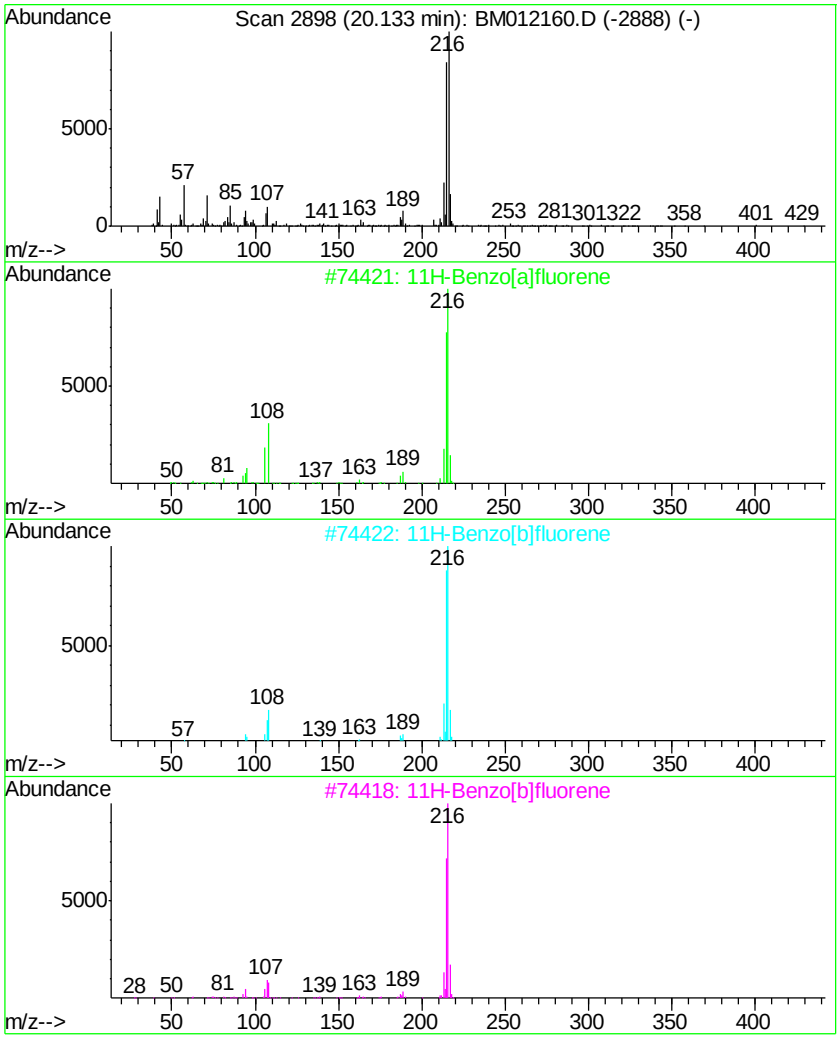
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

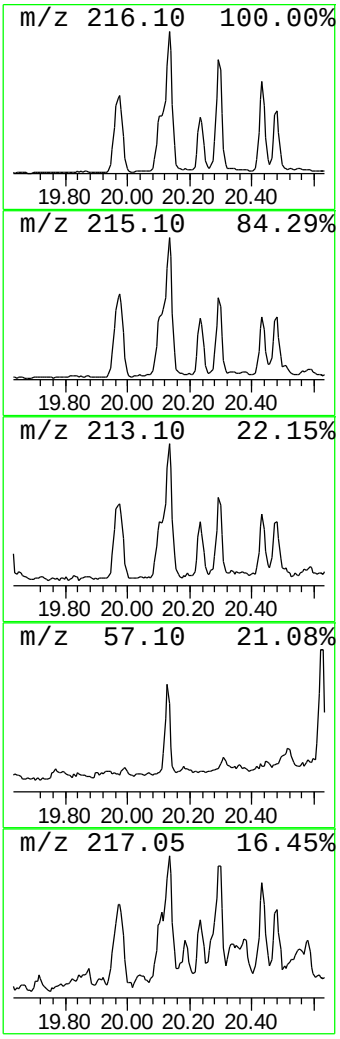
****

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	3.53 ng/ul	1270410	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
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Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-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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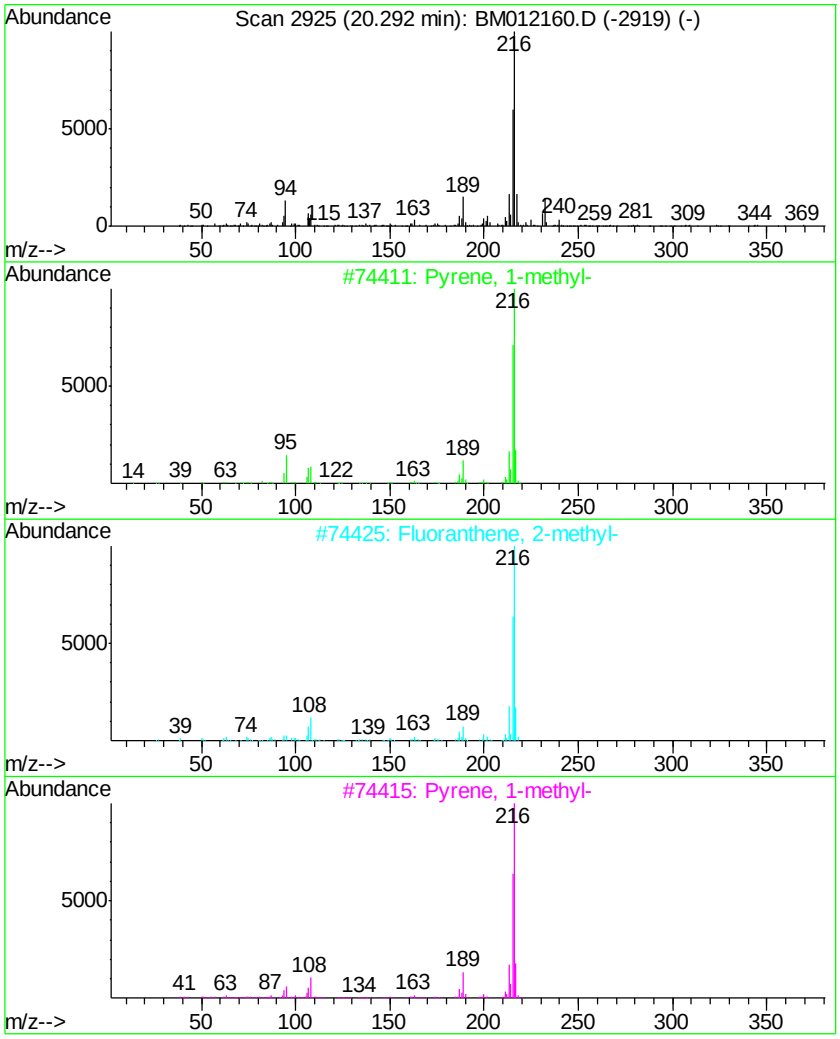
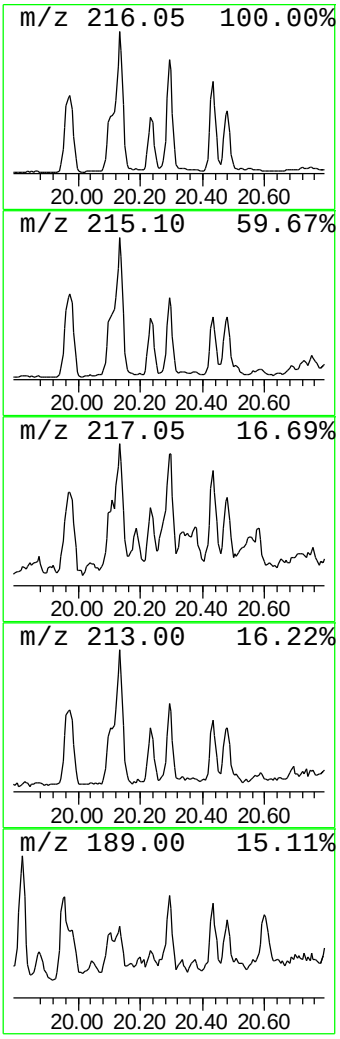
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	2.06 ng/ul	740381	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-100317

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

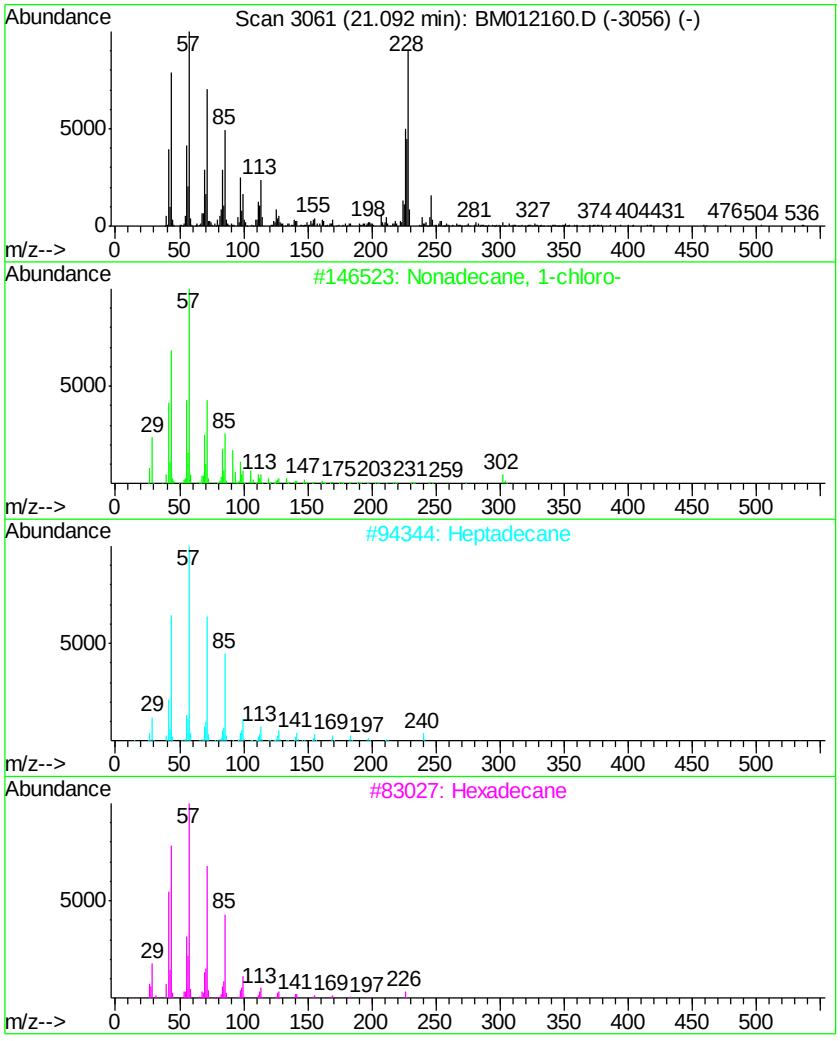
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

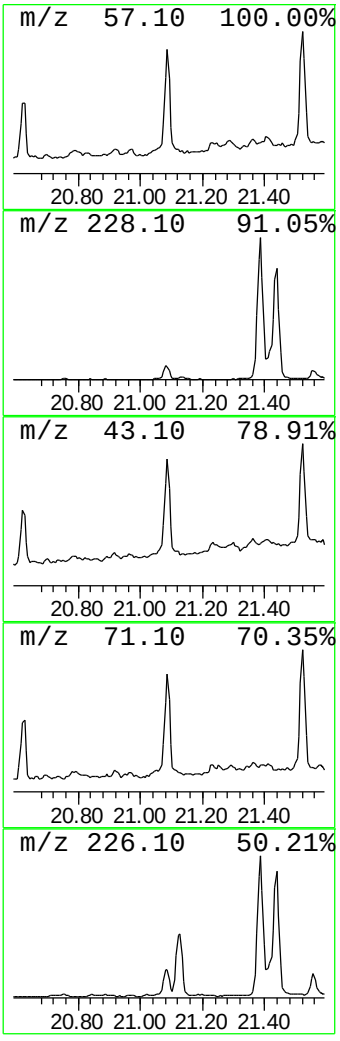
****

Peak Number 10 Nonadecane, 1-chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.83 ng/ul	1018370	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	92
2	Heptadecane	240	C17H36	000629-78-7	60
3	Hexadecane	226	C16H34	000544-76-3	60
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-100317

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

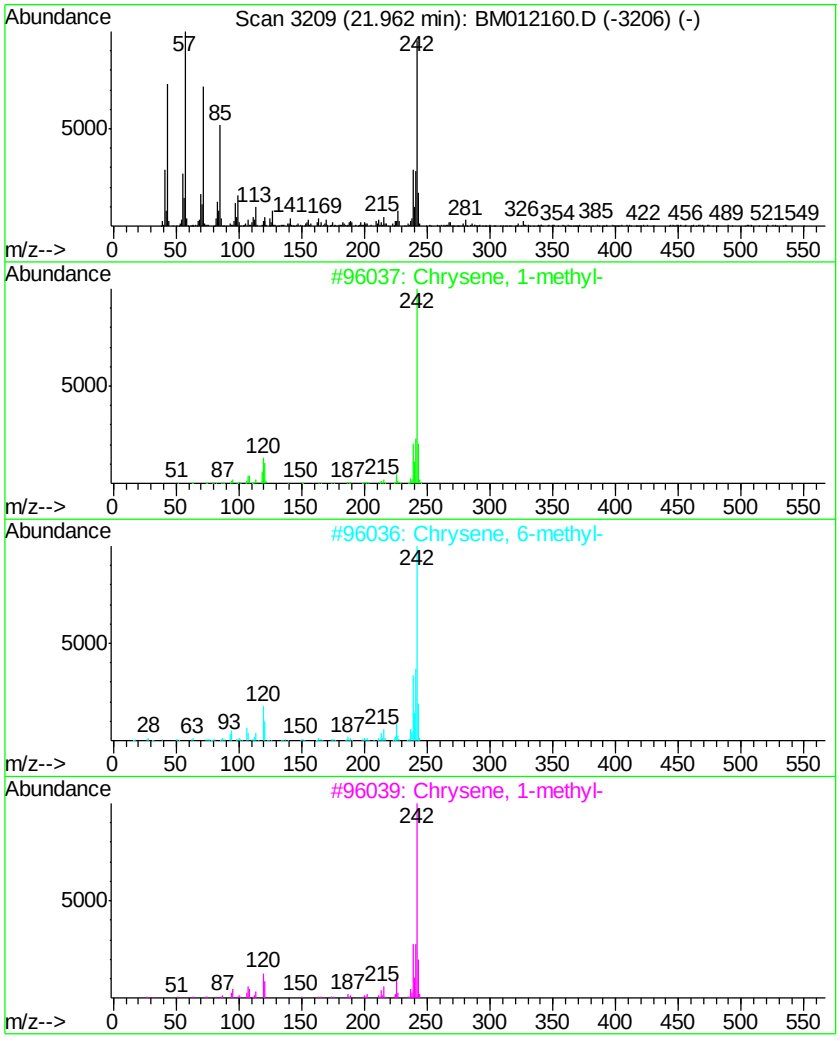
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

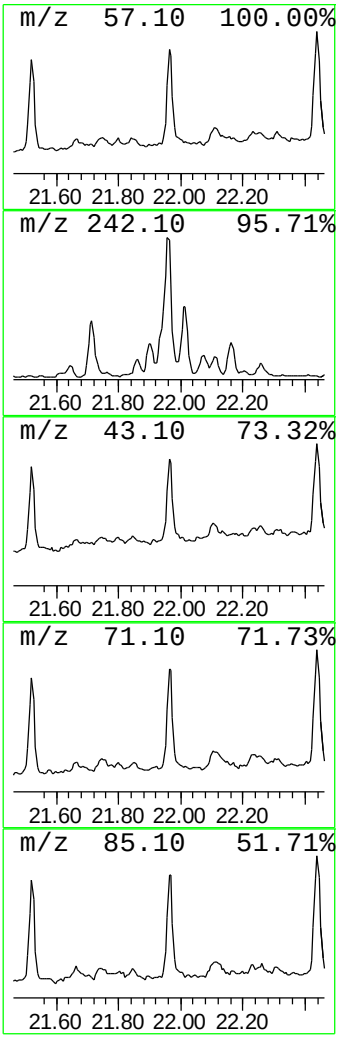
****

Peak Number 11 Chrysene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	2.70 ng/ul	971383	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	68
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	62
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	50
4	2-Methylchrysene	242	C19H14	003351-32-4	50
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012160.D
Acq On : 14 Oct 2017 06:51
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-57(1-2)-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
Phenanthrene, 1-m...	18.09	4.0	ng/ul	778717	4	17.22	3915820	20.0
Benzaldehyde, 3,5...	18.29	3.4	ng/ul	659990	4	17.22	3915820	20.0
Phenanthrene, 3,6...	19.01	2.7	ng/ul	520883	4	17.22	3915820	20.0
Cyclopenta(def)ph...	19.16	2.0	ng/ul	397713	4	17.22	3915820	20.0
11H-Benzo[a]fluorene	20.13	3.5	ng/ul	1270410	5	21.40	7188080	20.0
Pyrene, 1-methyl-	20.29	2.1	ng/ul	740381	5	21.40	7188080	20.0
Nonadecane, 1-chl...	21.09	2.8	ng/ul	1018370	5	21.40	7188080	20.0
Chrysene, 1-methyl-	21.96	2.7	ng/ul	971383	5	21.40	7188080	20.0