LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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	4.010	151	157	165	rBV	78917	127054	1.20%	0.100%
2	7.004	659	666	680	rBV2	718912	1403918	13.21%	1.109%
3	7.175	688	695	707	rBV	567755	954306	8.98%	0.754%
4	7.375	716	729	740	rBV	808465	1366509	12.86%	1.080%
5	7.846	801	809	824	rVB	1001044	1681857	15.83%	1.329%
6	8.551	920	929	934	rBV	951248	1641539	15.45%	1.297%
7	8.604	934	938	948	rVB	254758	476682	4.49%	0.377%
8	9.010	1000	1007	1020	rBV	753264	1302834	12.26%	1.029%
9	9.728	1123	1129	1138	rBV	625618	1116806	10.51%	0.882%
10	10.269	1207	1221	1240	rBV	985407	1839949	17.32%	1.454%
11	10.645	1277	1285	1291	rBV	1469373	2481860	23.36%	1.961%
12	10.787	1302	1309	1332	rBV	604174	1243282	11.70%	0.982%
13	13.898	1829	1838	1842	rBV	2025206	2810574	26.45%	2.221%
14	13.945	1842	1846	1853	rVB	543129	786755	7.41%	0.622%
15	14.186	1880	1887	1899	rBV	2199107	3452852	32.50%	2.728%
16	14.492	1928	1939	1946	rBV2	2312190	3556397	33.48%	2.810%
17	14.557	1946	1950	1956	rVB	112630	192828	1.82%	0.152%
18	14.692	1968	1973	1986	rBV	351152	786396	7.40%	0.621%
19	14.898	2004	2008	2015	rVB5	50057	123414	1.16%	0.098%
20	15.486	2102	2108	2113	rBV	2926056	4291016	40.39%	3.390%
21	15.539	2113	2117	2124	rVB2	121143	196890	1.85%	0.156%
22	15.610	2124	2129	2135	rBV	481293	739242	6.96%	0.584%
23	16.539	2281	2287	2292	rBV4	79570	183358	1.73%	0.145%
24	16.592	2292	2296	2300	rBV3	75398	123123	1.16%	0.097%
25	17.233	2400	2405	2409	rBV2	2929695	4344731	40.90%	3.433%
26	17.274	2409	2412	2417	rVB	913909	1231182	11.59%	0.973%
27	17.333	2417	2422	2427	rBV	3366805	4689431	44.14%	3.705%
28	17.421	2433	2437	2443	rBV3	95264	202957	1.91%	0.160%
29	17.910	2517	2520	2524	rVB	111133	135175	1.27%	0.107%
30	18.110	2550	2554	2559	rBV2	790212	1152462	10.85%	0.911%
31	18.157	2559	2562	2568	rVB	473654	645441	6.08%	0.510%
32	18.239	2572	2576	2581	rVV2	406715	668108	6.29%	0.528%
33	18.304	2582	2587	2591	rVV2	781690	1553454	14.62%	1.227%
34	18.345	2591	2594	2600	rVB2	591748	815815	7.68%	0.645%

LSC Area Percent Report

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Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

35	18.515	2618	2623	2628	rBV2	810371	1159421	10.91%	0.916%
36	18.574	2630	2633	2636	rVV2	339891	451827	4.25%	0.357%
37	18.610	2636	2639	2643	rVB	268853	347683	3.27%	0.275%
38	18.698	2651	2654	2658	rBV	313381	391961	3.69%	0.310%
39	18.851	2677	2680	2686	rVB3	400056	569161	5.36%	0.450%
40	18.904	2687	2689	2693	rBV	155683	178348	1.68%	0.141%
41	19.027	2705	2710	2715	rBV	734244	1240952	11.68%	0.981%
42	19.168	2730	2734	2735	rBV	233575	301055	2.83%	0.238%
43	19.292	2750	2755	2760	rBV	4572723	5967113	56.17%	4.715%
44	19.345	2760	2764	2768	rVB5	351383	494262	4.65%	0.391%
45	19.392	2768	2772	2776	rBV	876075	1099732	10.35%	0.869%
46	19.627	2807	2812	2815	rBV2	5231226	8112823	76.36%	6.410%
47	19.657	2815	2817	2825	rVV	4454092	5671243	53.38%	4.481%
48	19.727	2826	2829	2835	rVB2	495695	768110	7.23%	0.607%
49	19.809	2840	2843	2846	rBV2	285224	383310	3.61%	0.303%
50	20.062	2884	2886	2890	rVB2	361029	361717	3.40%	0.286%
51	20.151	2897	2901	2905	rVB	1248770	1703286	16.03%	1.346%
52	20.251	2913	2918	2921	rBV	1348623	2219185	20.89%	1.753%
53	20.727	2996	2999	3003	rBV3	370273	558247	5.25%	0.441%
54	21.056	3052	3055	3059	rBV2	964442	1503041	14.15%	1.188%
55	21.098	3059	3062	3066	rVB3	1135795	1619953	15.25%	1.280%
56	21.315	3095	3099	3103	rBV2	1443003	1644232	15.48%	1.299%
57	21.409	3109	3115	3119	rBV2	5528222	10624019	100.00%	8.394%
58	21.451	3119	3122	3131	rVB	3472442	4453298	41.92%	3.519%
59	21.568	3139	3142	3148	rVB	696118	837027	7.88%	0.661%
60	22.986	3379	3383	3386	rBV	1239163	1804926	16.99%	1.426%
61	23.033	3386	3391	3403	rVB	2927736	7880485	74.18%	6.227%
62	23.527	3471	3475	3479	rBV	1159025	2074519	19.53%	1.639%
63	23.586	3480	3485	3489	rVV2	2846790	5412883	50.95%	4.277%
64	23.633	3489	3493	3500	rVB	2135136	3787137	35.65%	2.992%
65	23.733	3504	3510	3515	rBV	2457732	4620977	43.50%	3.651%

Sum of corrected areas: 126560130

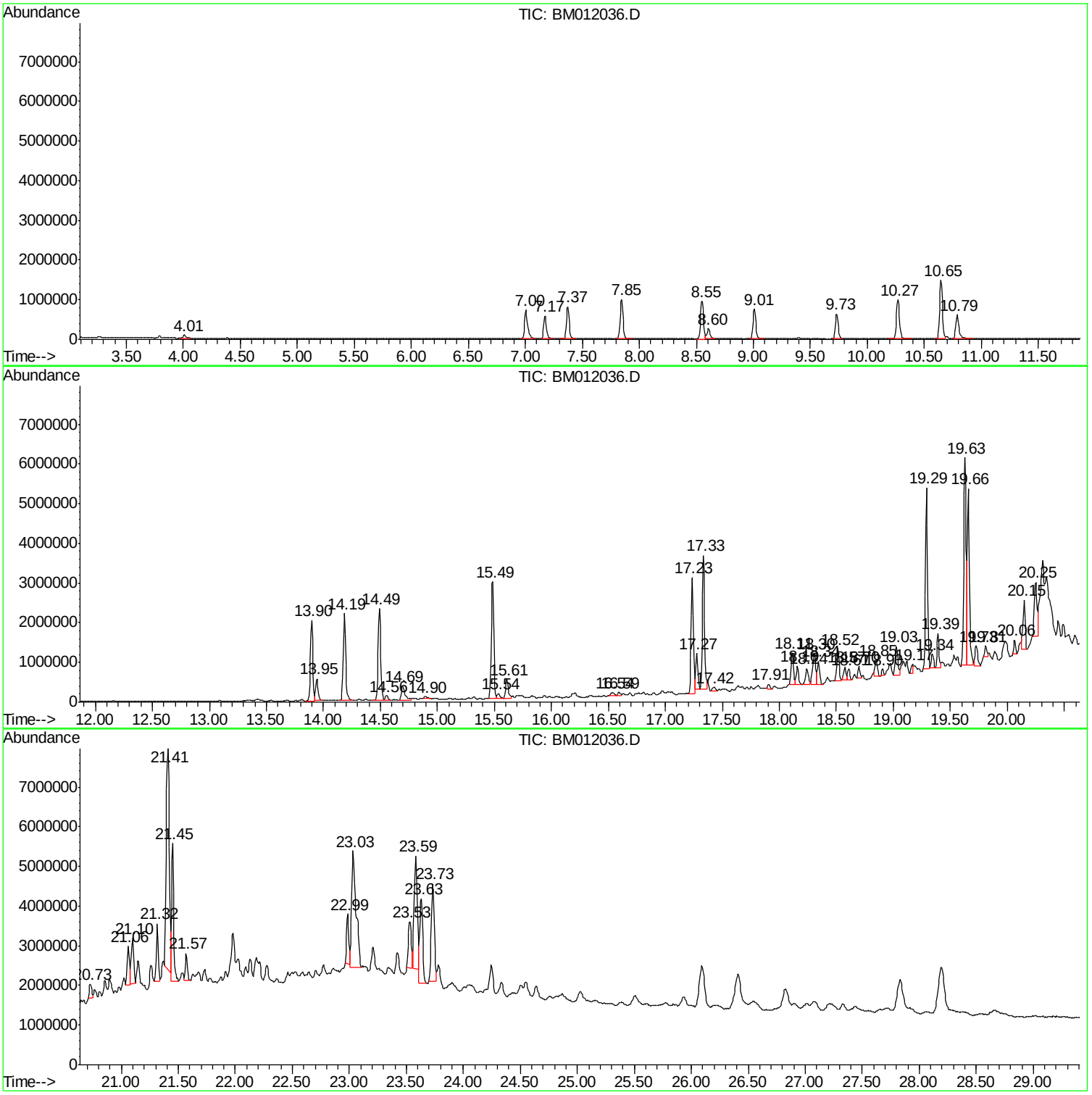
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
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Instrument : BNA_M
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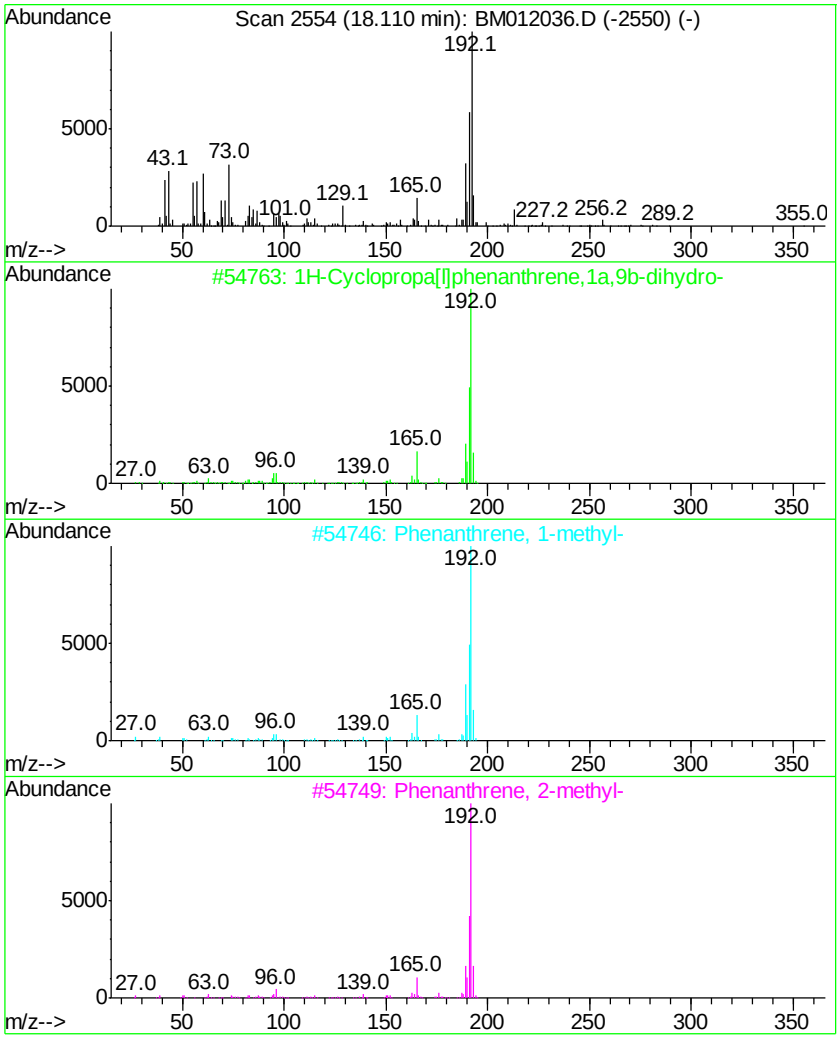
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

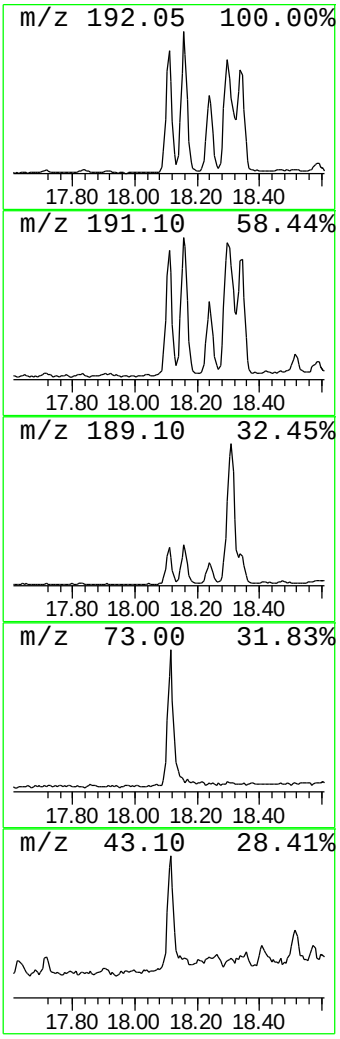
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	5.31 ng/ul	1152460	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

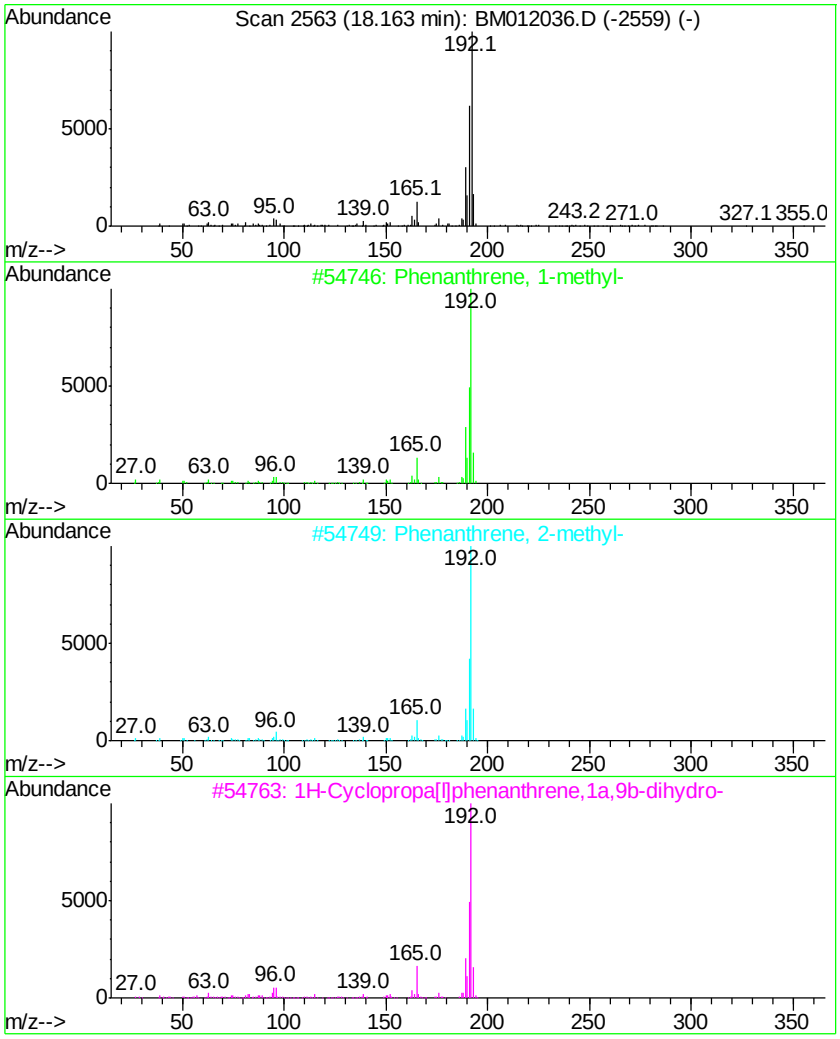
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

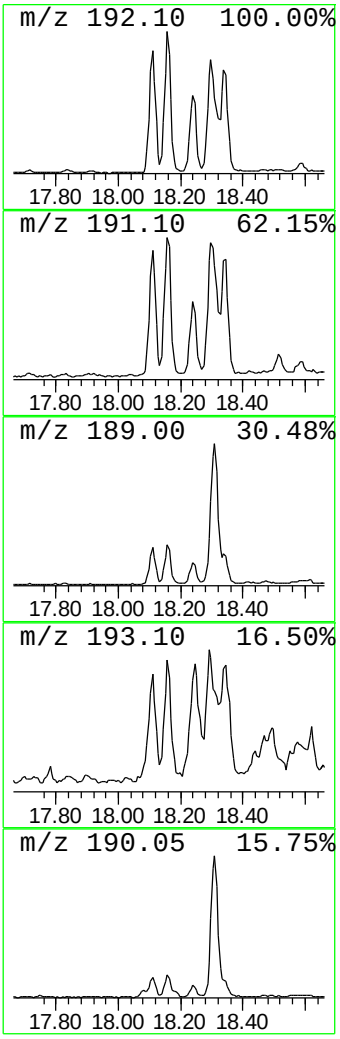
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.97 ng/ul	645441	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

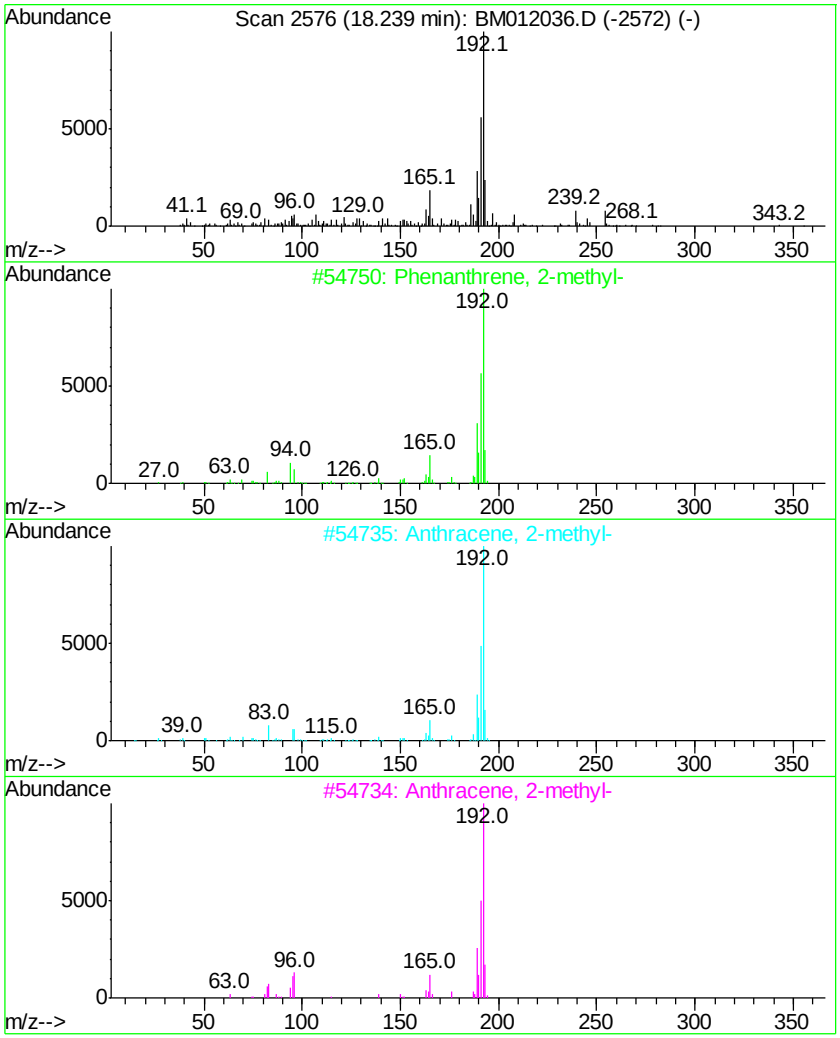
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

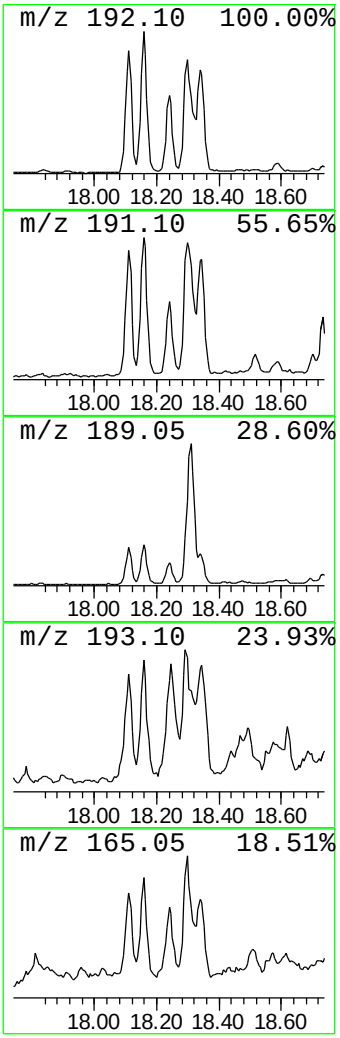
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.08 ng/ul	668108	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

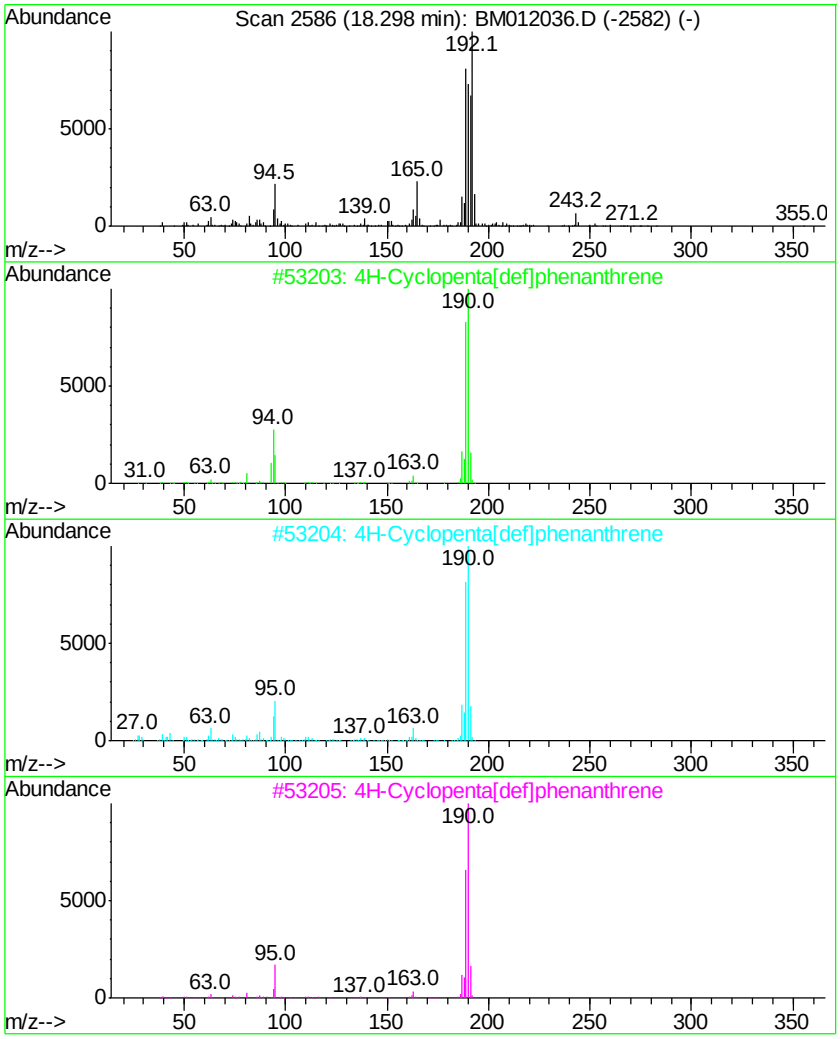
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

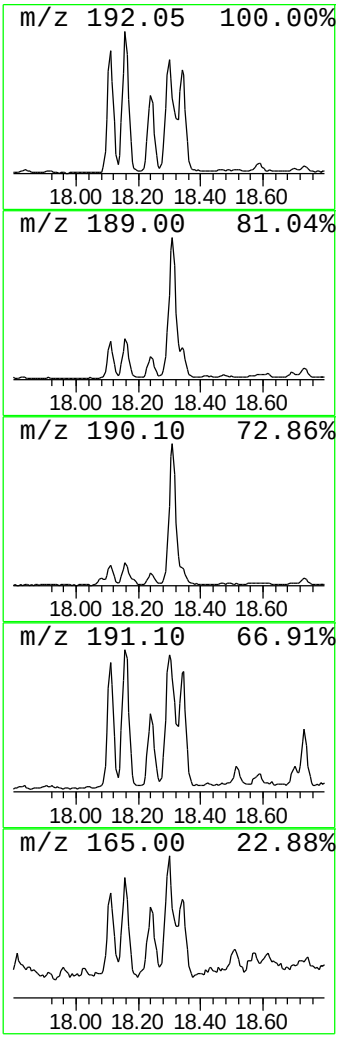
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	7.15 ng/ul	1553450	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

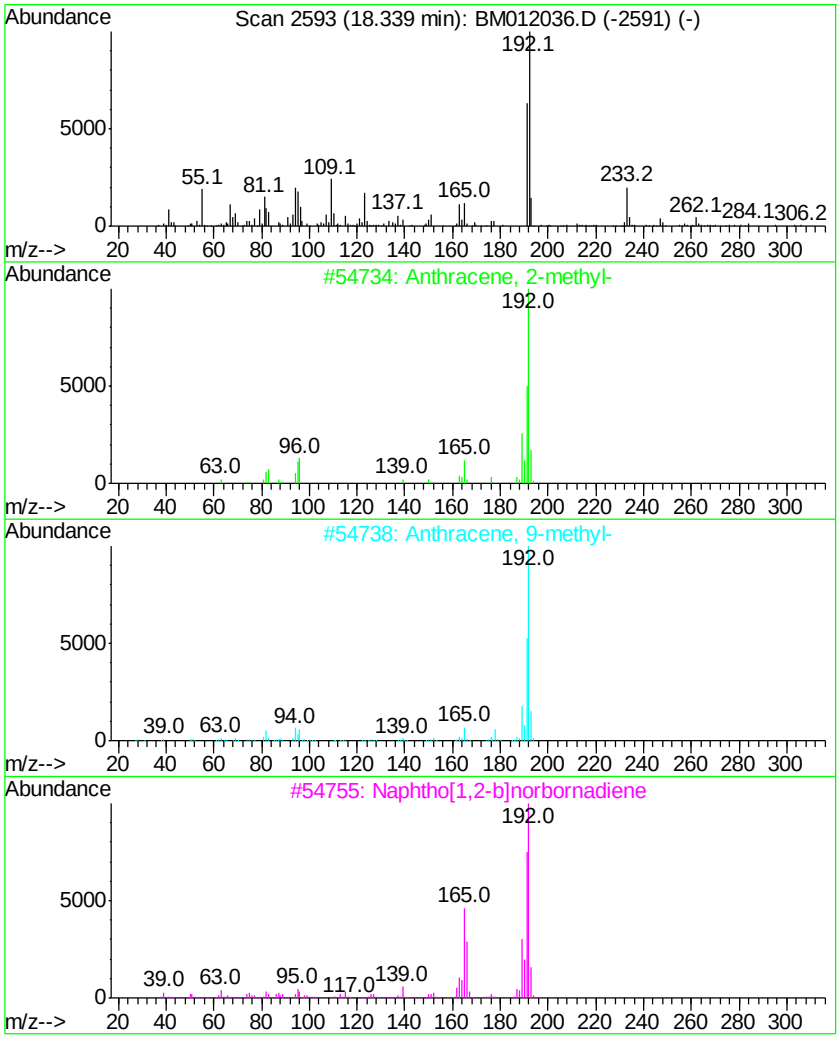
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

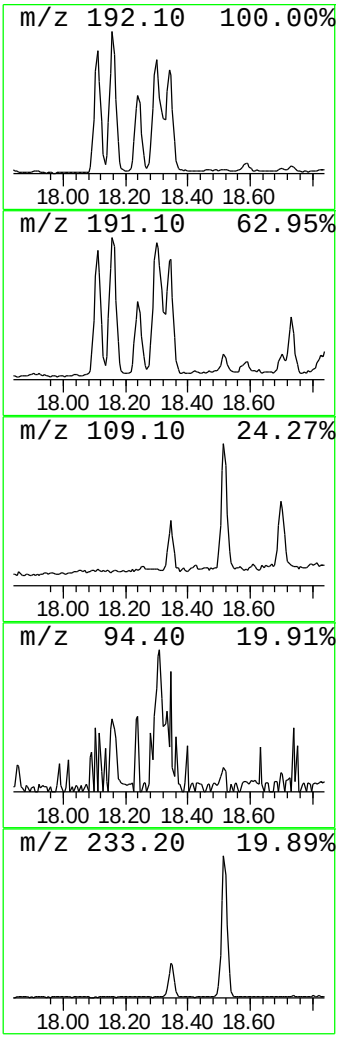
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.76 ng/ul	815815	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	55
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	53
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	49





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Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

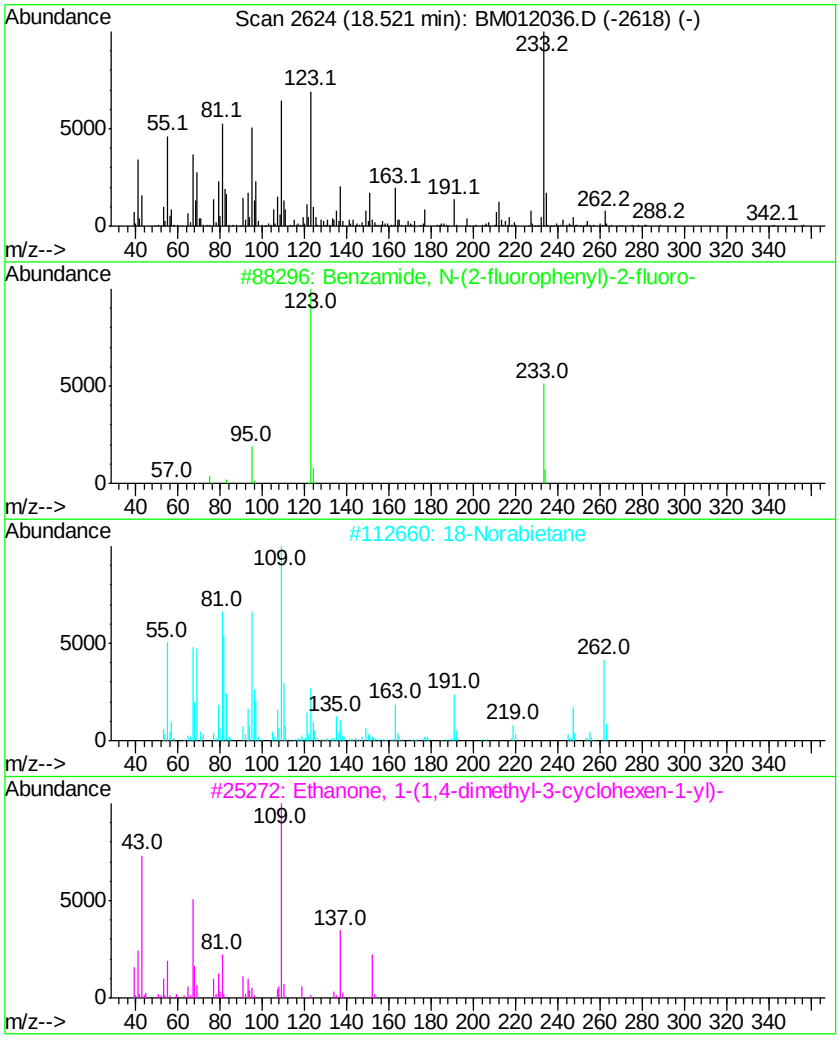
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 6 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.34 ng/ul	1159420	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	43
2	18-Norabietane	262	C19H34	1000293-16-6	25
3	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	20
4	3,3-Dimethyl-hepta-4,5-dien-2-one	138	C9H14O	1000190-54-1	14
5	3-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19FO2	1000279-04-9	14



m/z 233.15 100.00%
m/z 123.10 69.23%
m/z 109.05 64.60%
m/z 81.10 52.90%
m/z 95.10 50.66%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

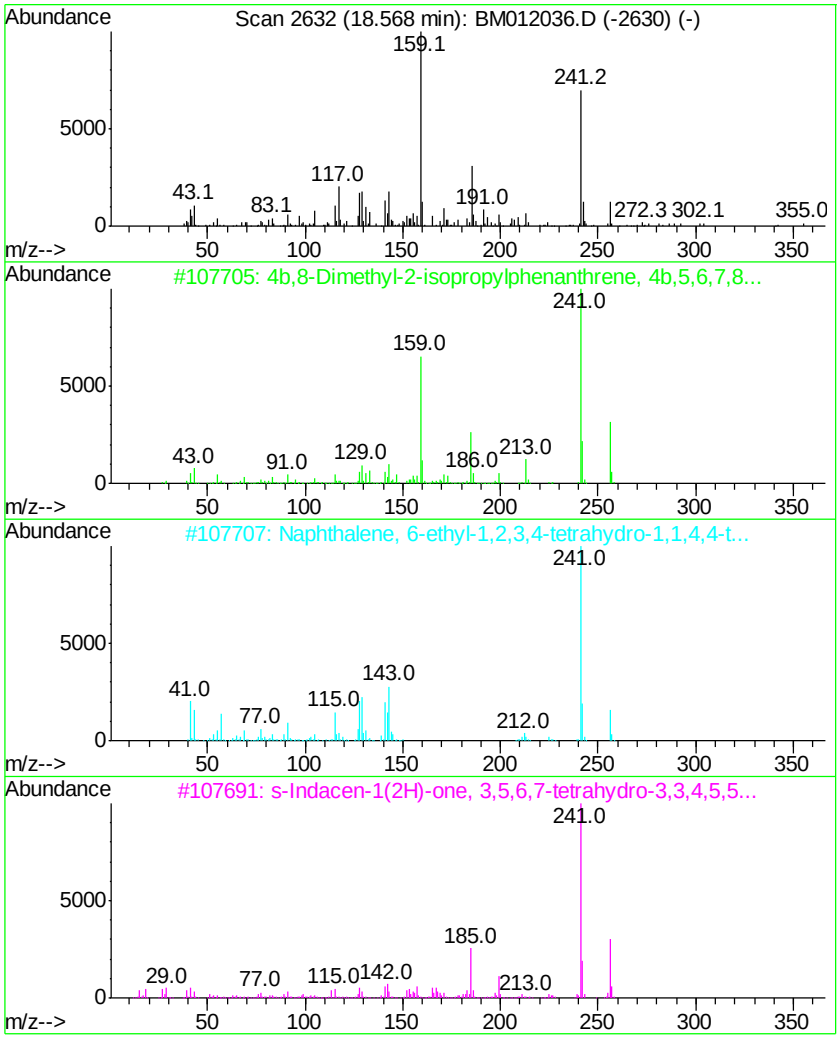
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

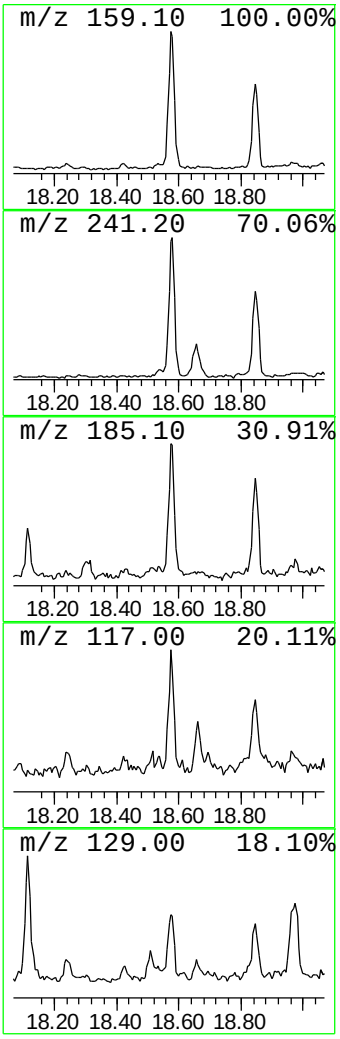
****

Peak Number 7 4b,8-Dimethyl-2-isopropylph... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.08 ng/ul	451827	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	86
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	51
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	43
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	41
5	Sebacic acid, butyl 4-heptyl ester	356	C21H40O4	1000355-38-4	35





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012036.D
Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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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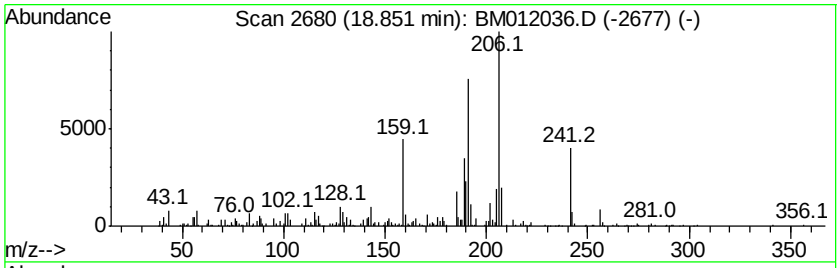
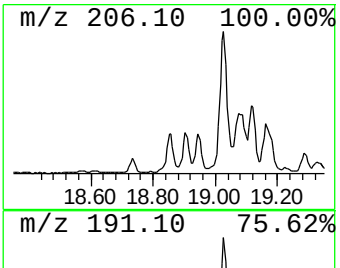
Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.62 ng/ul	569161	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	64
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	60
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	60





Library Search Compound Report

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Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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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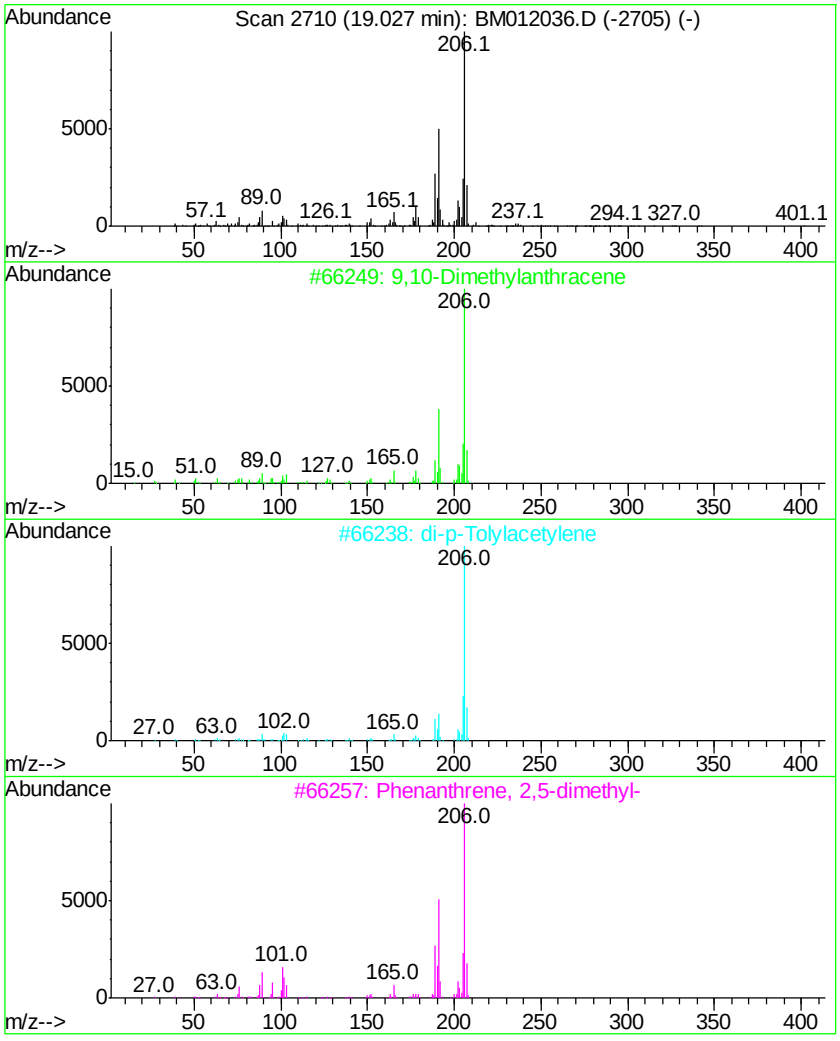
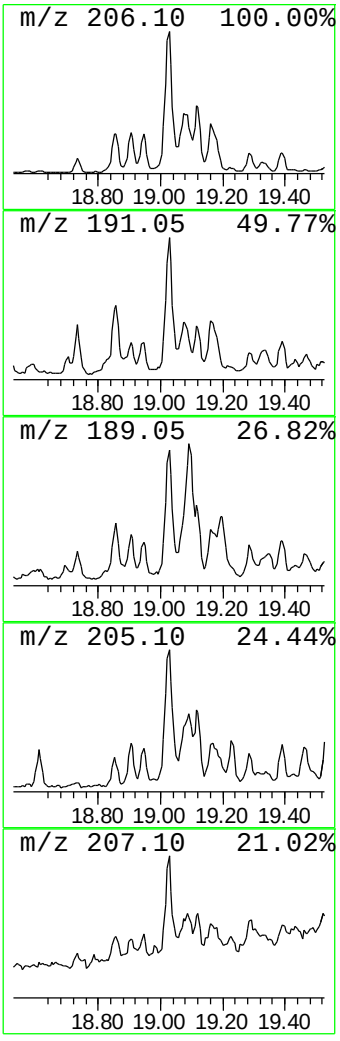
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	5.71 ng/ul	1240950	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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ClientSampleId : B-54(7-8)-092817

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Quant Title : SVOA CALIBRATION

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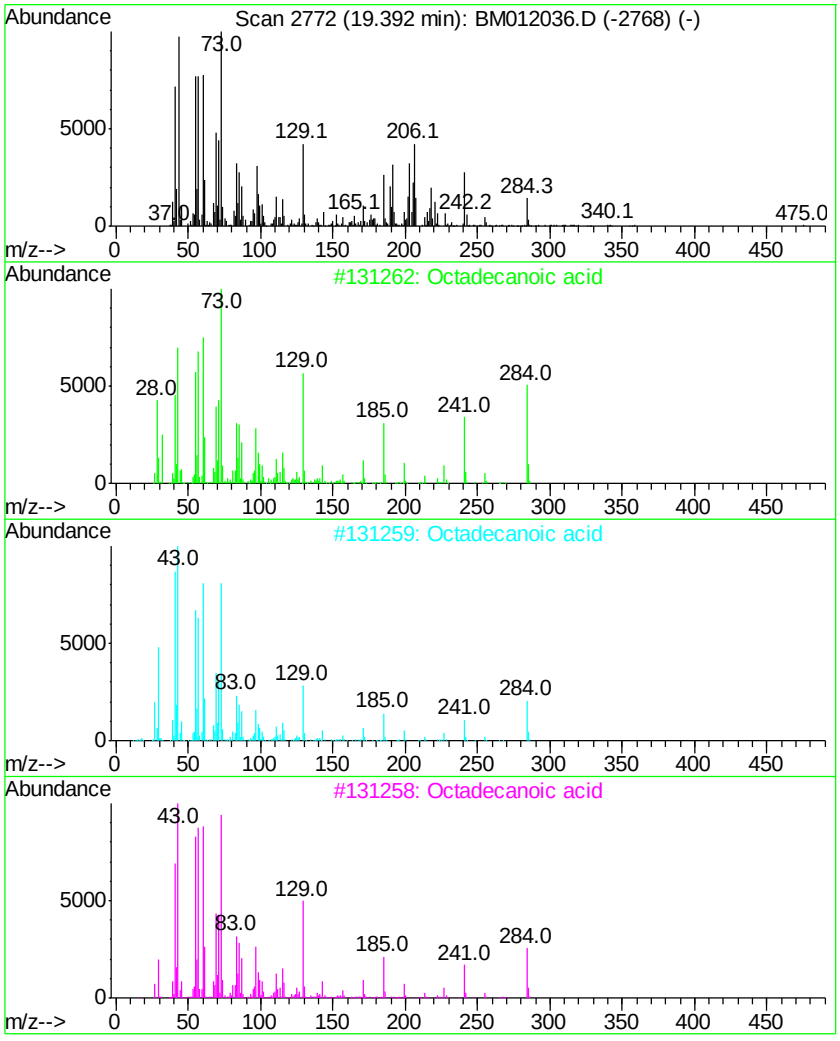
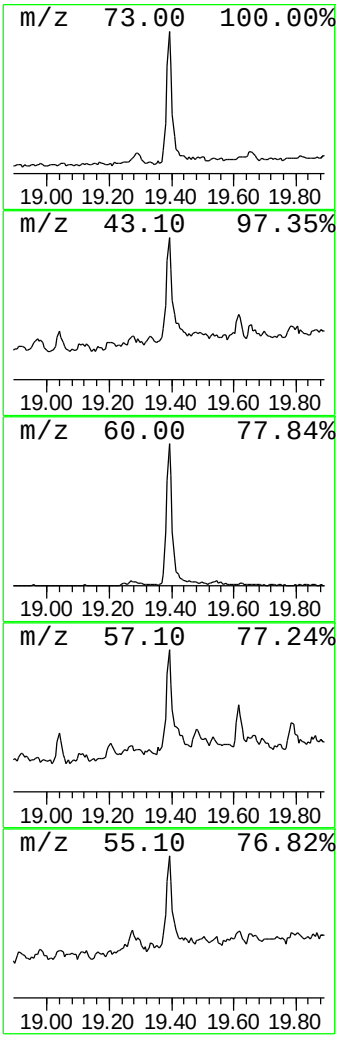
Peak Number 10 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.07 ng/ul	1099730	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid	284	C18H36O2	000057-11-4	96
3	Octadecanoic acid	284	C18H36O2	000057-11-4	95
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	59





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Quant Title : SVOA CALIBRATION

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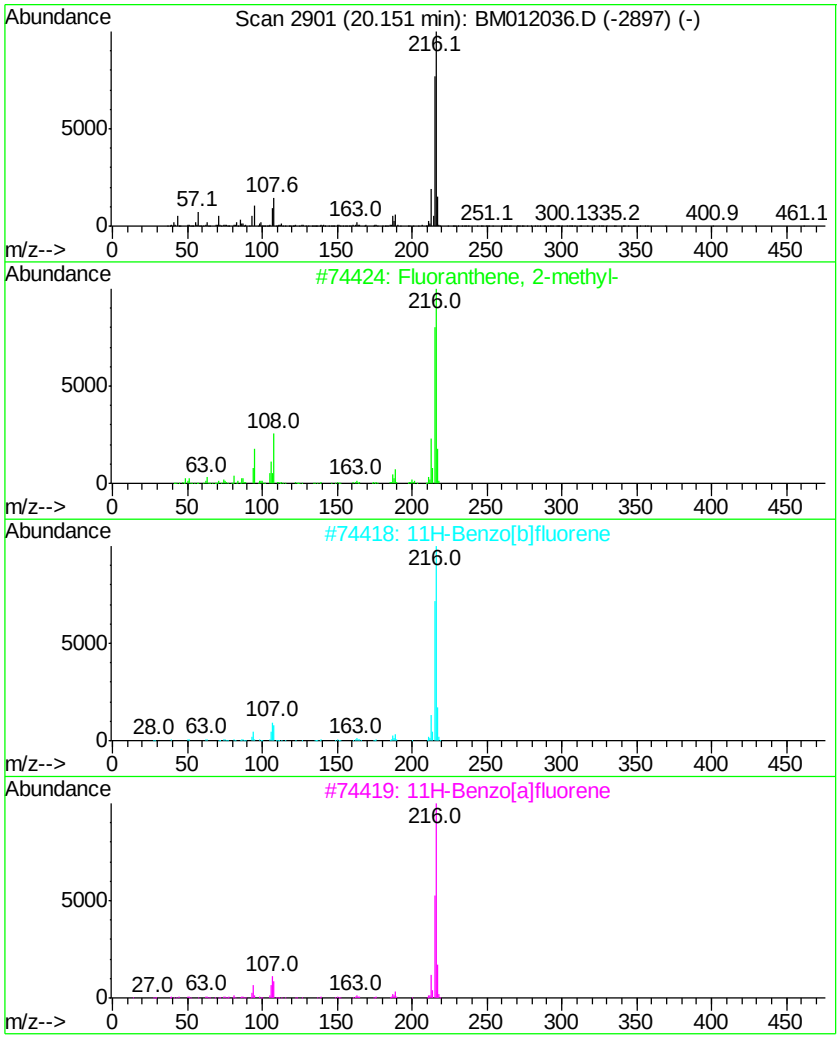
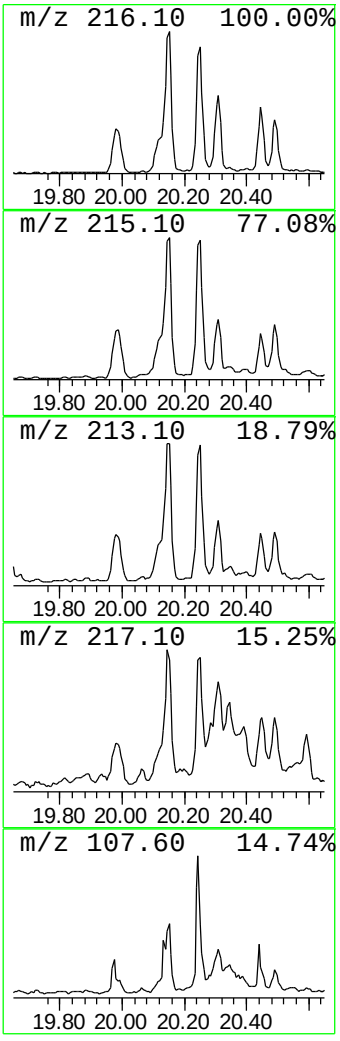
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	3.21 ng/ul	1703290	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

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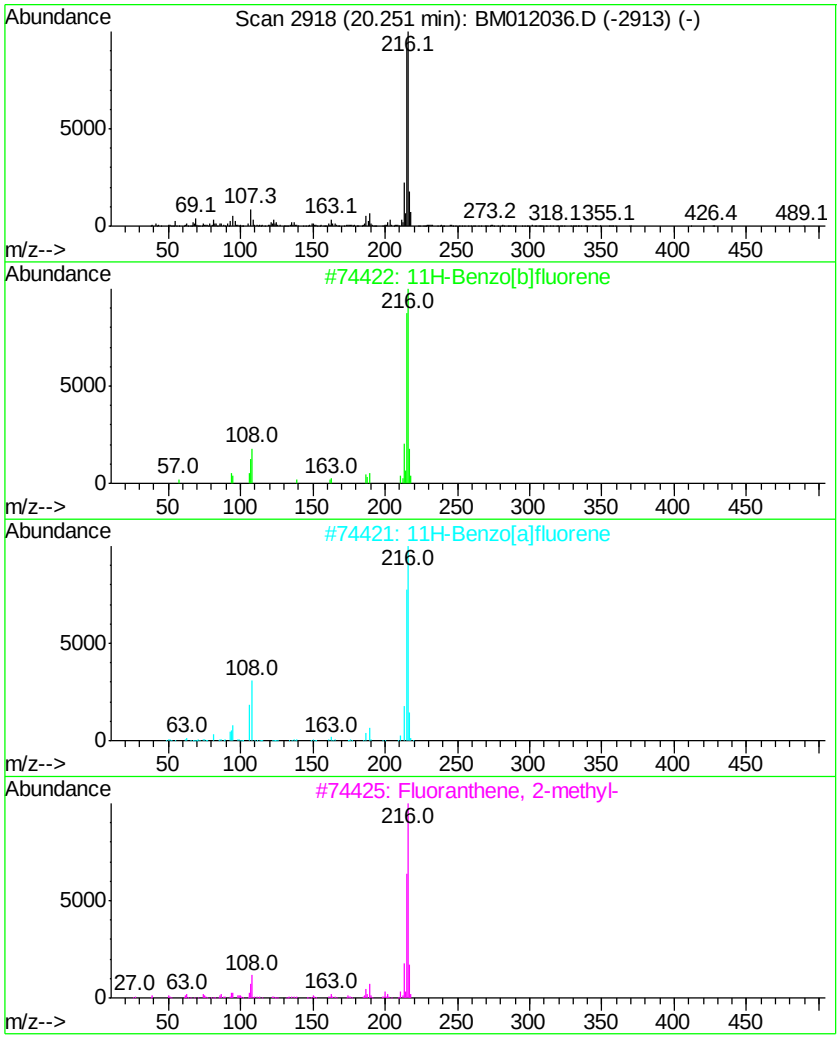
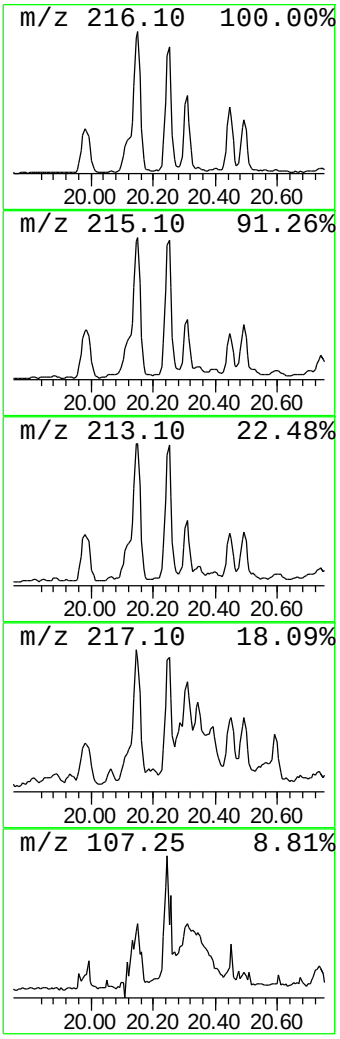
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	4.18 ng/ul	2219190	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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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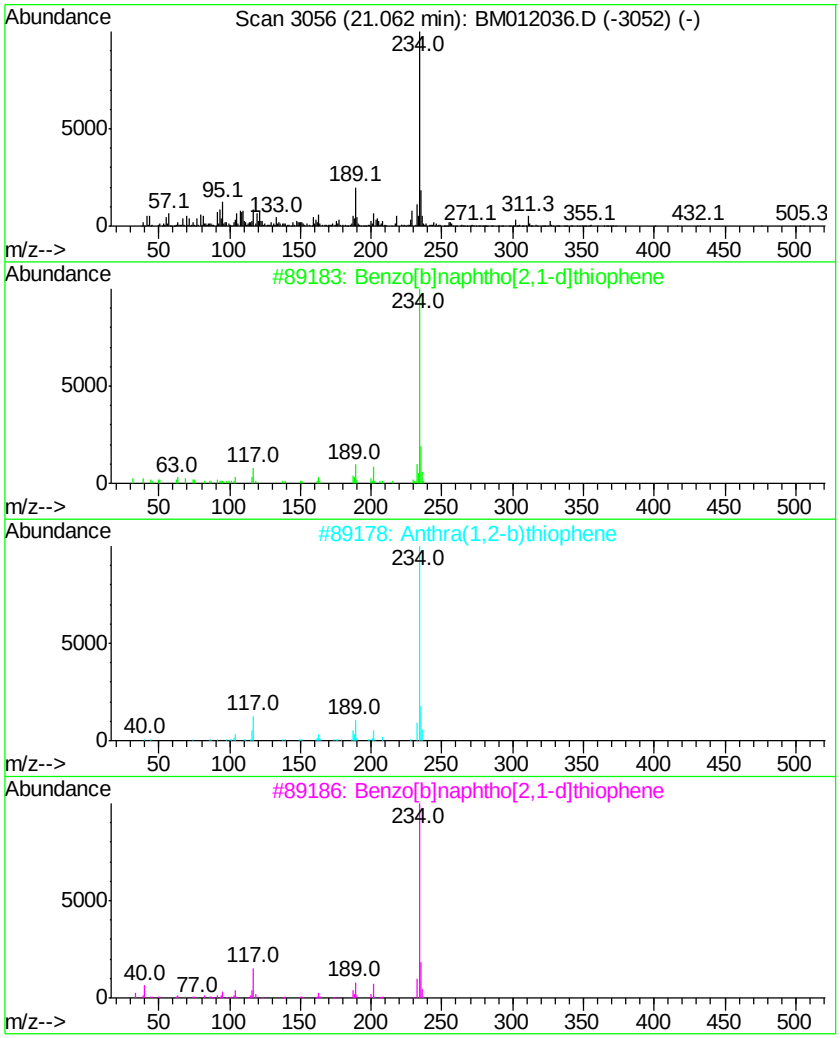
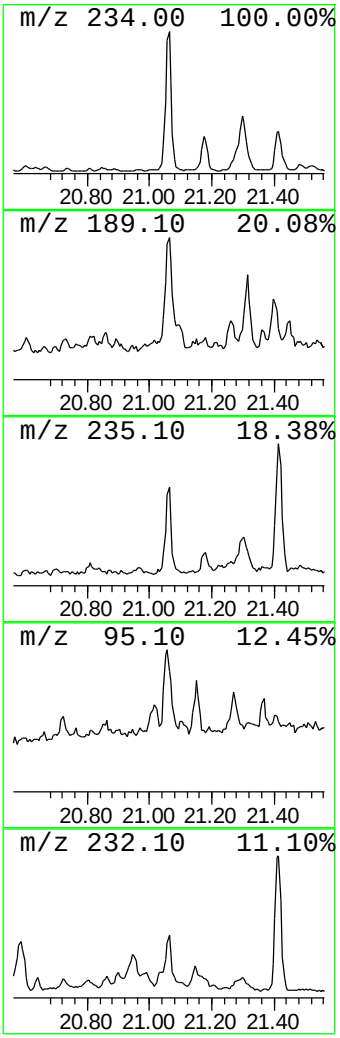
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.83 ng/ul	1503040	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	68





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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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

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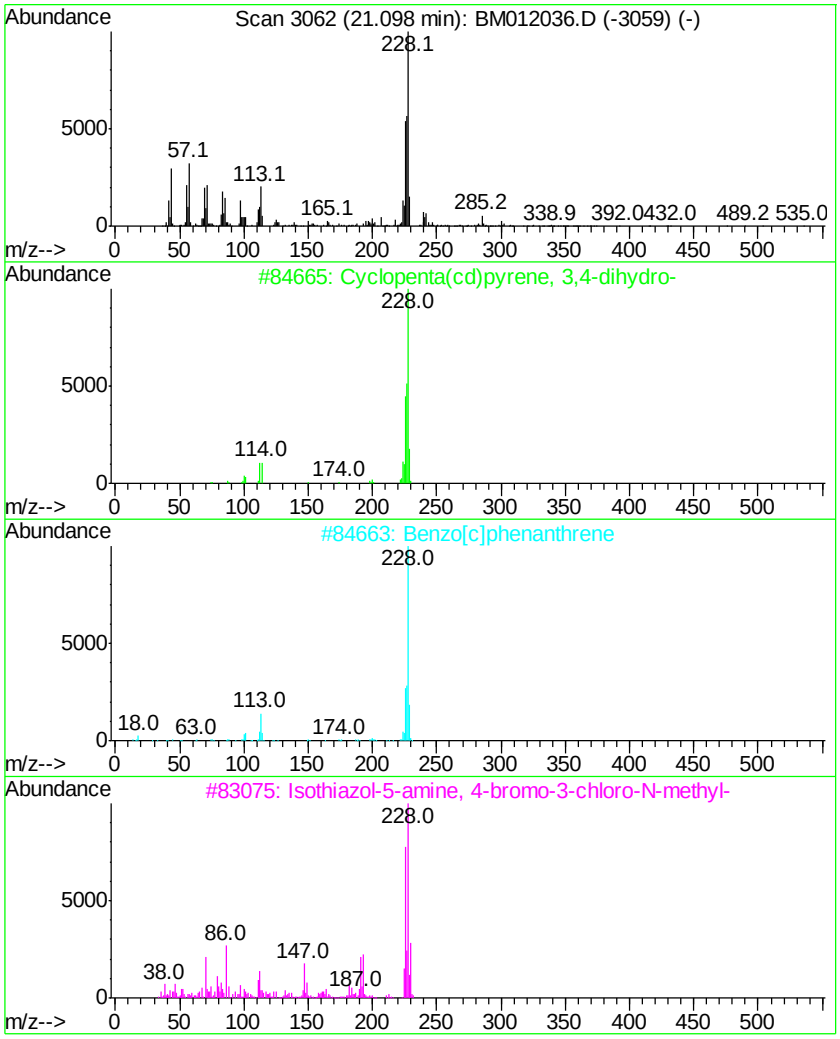
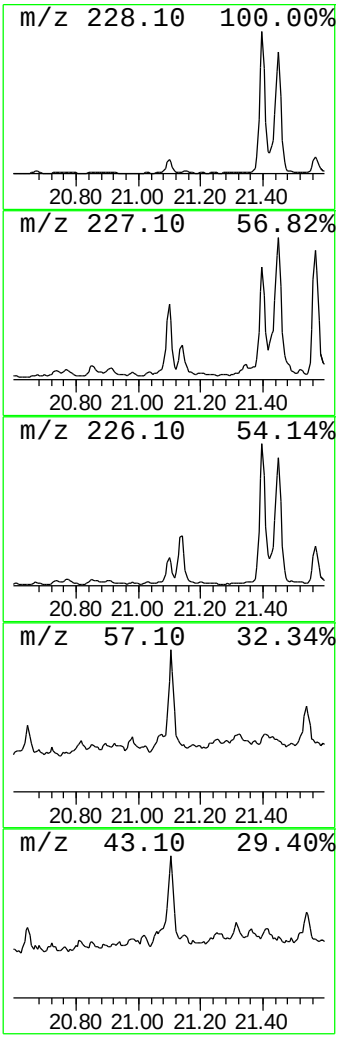
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	3.05 ng/ul	1619950	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
5	Triphenylene	228	C18H12	000217-59-4	46





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Instrument : BNA_M
ClientSampleId : B-54(7-8)-092817

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Quant Title : SVOA CALIBRATION

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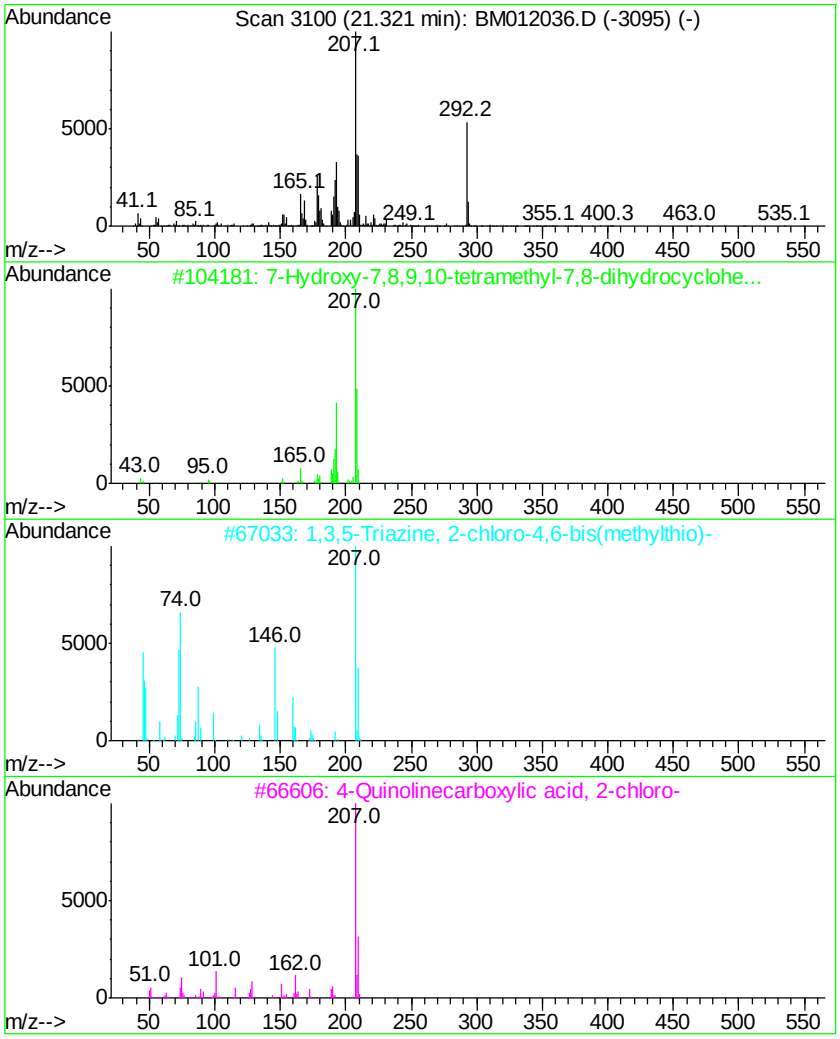
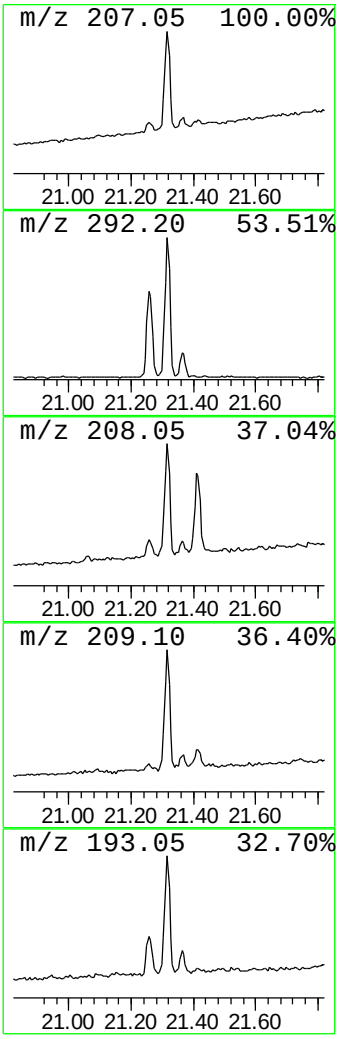
Peak Number 15 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	3.10 ng/ul	1644230	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hydroxy-7,8,9,10-tetramethyl-7...	252	C18H20O	1000110-34-9	43
2	1,3,5-Triazine, 2-chloro-4,6-bis...	207	C5H6ClN3S2	004407-40-3	35
3	4-Quinolinecarboxylic acid, 2-ch...	207	C10H6ClNO2	005467-57-2	35
4	2-Butenenitrile, 2-chloro-3-(4-m...	207	C11H10ClNO	1000305-66-7	32
5	Quinoline, 2-chloro-6-methoxy-4-...	207	C11H10ClNO	006340-55-2	32





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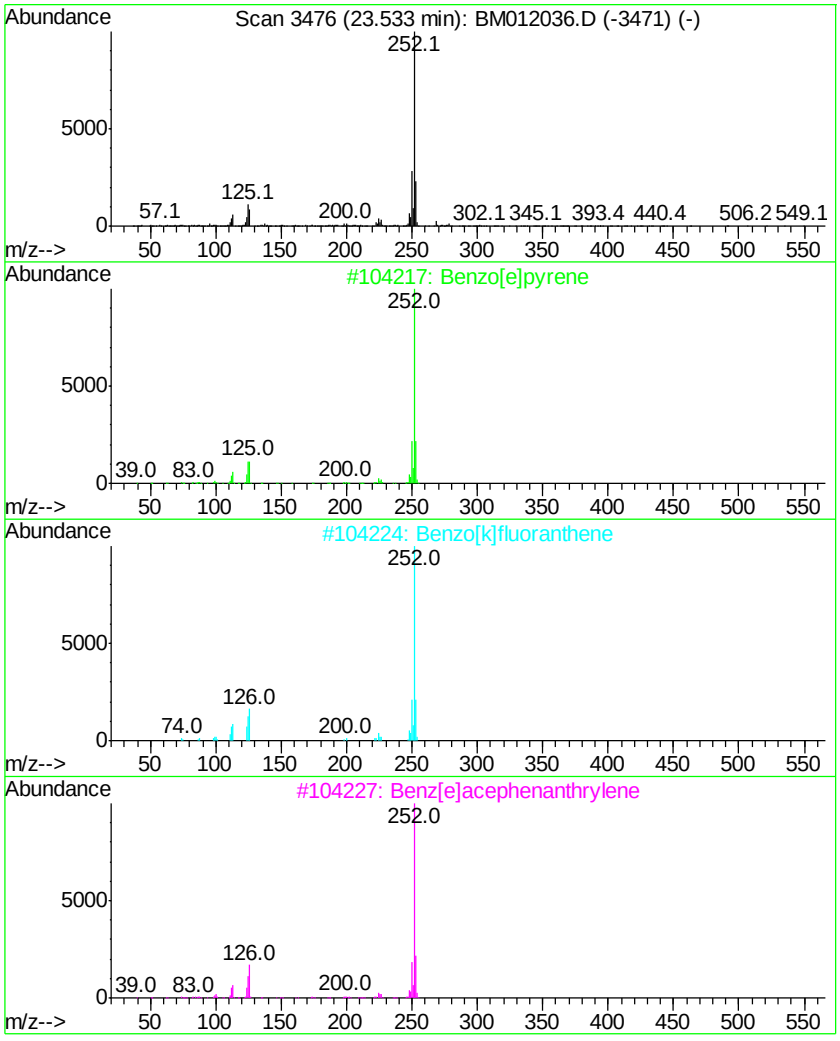
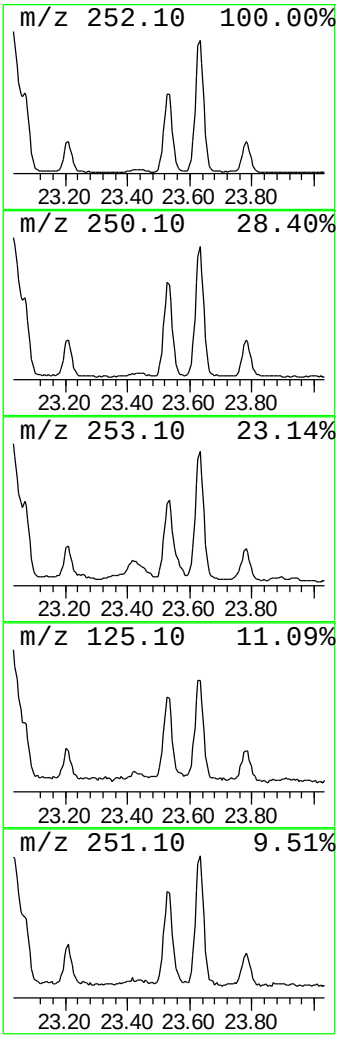
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	8.98 ng/ul	2074520	Perylene-d12	23.73

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

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Acq On : 10 Oct 2017 05:17
Operator : SJ/JU
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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
1H-Cyclopropa[l]p...	18.11	5.3	ng/ul	1152460	4	17.23	4344730	20.0
Phenanthrene, 1-m...	18.16	3.0	ng/ul	645441	4	17.23	4344730	20.0
Phenanthrene, 2-m...	18.24	3.1	ng/ul	668108	4	17.23	4344730	20.0
4H-Cyclopenta[def...	18.30	7.2	ng/ul	1553450	4	17.23	4344730	20.0
Anthracene, 2-met...	18.34	3.8	ng/ul	815815	4	17.23	4344730	20.0
unknown-01	18.52	5.3	ng/ul	1159420	4	17.23	4344730	20.0
4b,8-Dimethyl-2-i...	18.57	2.1	ng/ul	451827	4	17.23	4344730	20.0
Phenanthrene, 2,3...	18.85	2.6	ng/ul	569161	4	17.23	4344730	20.0
9,10-Dimethylanth...	19.03	5.7	ng/ul	1240950	4	17.23	4344730	20.0
Octadecanoic acid	19.39	2.1	ng/ul	1099730	5	21.42	10624000	20.0
Fluoranthene, 2-m...	20.15	3.2	ng/ul	1703290	5	21.42	10624000	20.0
11H-Benzo[b]fluorene	20.25	4.2	ng/ul	2219190	5	21.42	10624000	20.0
Benzo[b]naphtho[2...	21.06	2.8	ng/ul	1503040	5	21.42	10624000	20.0
Cyclopenta(cd)pyr...	21.10	3.0	ng/ul	1619950	5	21.42	10624000	20.0
unknown-02	21.32	3.1	ng/ul	1644230	5	21.42	10624000	20.0
Benzo[e]pyrene	23.53	9.0	ng/ul	2074520	6	23.73	4620980	20.0