LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

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\SOM02.2-EPA-BM112916.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	6.881	724	730	747	rBV2	404288	872656	5.13%	1.215%
2	7.040	751	757	770	rBV	366401	590931	3.47%	0.823%
3	7.234	783	790	801	rBV	474467	778278	4.57%	1.084%
4	7.698	862	869	879	rBV	643342	1089248	6.40%	1.517%
5	8.404	983	989	1008	rBV	446175	841457	4.94%	1.172%
6	8.857	1059	1066	1076	rBV	411019	751344	4.41%	1.046%
7	9.569	1181	1187	1197	rBV	325610	602286	3.54%	0.839%
8	10.110	1273	1279	1297	rBV	401745	860220	5.05%	1.198%
9	10.469	1331	1340	1355	rBV	870092	1499883	8.81%	2.088%
10	10.633	1361	1368	1387	rBV	180325	448272	2.63%	0.624%
11	13.751	1891	1898	1902	rBV	859165	1256912	7.38%	1.750%
12	13.798	1902	1906	1913	rVB	155313	255624	1.50%	0.356%
13	14.021	1938	1944	1962	rBV2	976378	1774816	10.42%	2.471%
14	14.333	1991	1997	2004	rVB	1207475	1733747	10.18%	2.414%
15	14.586	2034	2040	2059	rBV2	110686	360723	2.12%	0.502%
16	15.333	2161	2167	2173	rBV	1256759	1877024	11.02%	2.614%
17	15.480	2187	2192	2201	rBV	229036	439305	2.58%	0.612%
18	16.045	2282	2288	2290	rBV2	116683	190687	1.12%	0.266%
19	17.086	2459	2465	2469	rBV	1329570	1917678	11.26%	2.670%
20	17.127	2469	2472	2476	rVV	258076	351150	2.06%	0.489%
21	17.186	2476	2482	2492	rVV	1246603	1969597	11.57%	2.743%
22	17.962	2609	2614	2619	rBV2	192139	385228	2.26%	0.536%
23	18.009	2619	2622	2628	rVV	259231	352657	2.07%	0.491%
24	18.098	2632	2637	2641	rVV3	95936	186496	1.10%	0.260%
25	18.151	2641	2646	2651	rVV3	279963	565187	3.32%	0.787%
26	18.192	2651	2653	2662	rVB	176884	257146	1.51%	0.358%
27	18.762	2746	2750	2753	rVV	199014	246126	1.45%	0.343%
28	18.804	2753	2757	2761	rVB	140033	184948	1.09%	0.258%
29	18.880	2765	2770	2775	rBV	439465	732157	4.30%	1.019%
30	18.939	2775	2780	2784	rVV4	207668	462953	2.72%	0.645%
31	18.974	2784	2786	2790	rVB	148717	177793	1.04%	0.248%
32	19.021	2790	2794	2808	rVB4	139578	450952	2.65%	0.628%
33	19.151	2811	2816	2821	rVB	943058	1251467	7.35%	1.743%
34	19.486	2867	2873	2875	rBV	1711714	2416549	14.19%	3.365%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

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\SOM02.2-EPA-BM112916.M
Title : SVOA CALIBRATION

35	19.515	2875	2878	2886	rVB	1166353	1800049	10.57%	2.506%
36	19.592	2886	2891	2896	rVB	286191	403585	2.37%	0.562%
37	19.680	2897	2906	2908	rBV5	108125	271364	1.59%	0.378%
38	19.751	2915	2918	2925	rVB2	121667	191461	1.12%	0.267%
39	19.839	2928	2933	2943	rBV5	180109	514512	3.02%	0.716%
40	20.009	2952	2962	2969	rVB	356005	878079	5.16%	1.223%
41	20.109	2976	2979	2984	rBV2	196487	256280	1.51%	0.357%
42	20.168	2985	2989	2994	rVB	315835	440066	2.58%	0.613%
43	20.309	3009	3013	3017	rBV	309351	409442	2.40%	0.570%
44	20.356	3017	3021	3024	rVV	257038	321094	1.89%	0.447%
45	20.586	3056	3060	3066	rBV2	301465	475057	2.79%	0.661%
46	20.762	3087	3090	3096	rVB3	205269	360937	2.12%	0.503%
47	20.868	3102	3108	3112	rBV2	680300	976454	5.73%	1.360%
48	20.927	3112	3118	3122	rVV4	509163	878216	5.16%	1.223%
49	21.227	3165	3169	3172	rBV	513349	619295	3.64%	0.862%
50	21.280	3172	3178	3182	rVV2	2172201	3904342	22.93%	5.437%
51	21.315	3182	3184	3193	rVB	818381	1036991	6.09%	1.444%
52	21.833	3269	3272	3277	rVB2	292607	400030	2.35%	0.557%
53	21.880	3277	3280	3286	rVB	274281	379367	2.23%	0.528%
54	22.027	3302	3305	3309	rBV2	229269	322153	1.89%	0.449%
55	22.850	3441	3445	3456	rVB	550873	1539626	9.04%	2.144%
56	23.321	3521	3525	3529	rBV	371169	634127	3.72%	0.883%
57	23.374	3529	3534	3539	rVV2	1248693	2352720	13.82%	3.276%
58	23.421	3539	3542	3549	rVB	663992	1025265	6.02%	1.428%
59	23.515	3552	3558	3564	rBV	1292732	2428042	14.26%	3.381%
60	27.421	4210	4222	4242	rVB2	5072680	17027268	100.00%	23.709%
61	27.756	4270	4279	4298	rVB10	836974	3839517	22.55%	5.346%

Sum of corrected areas: 71816836

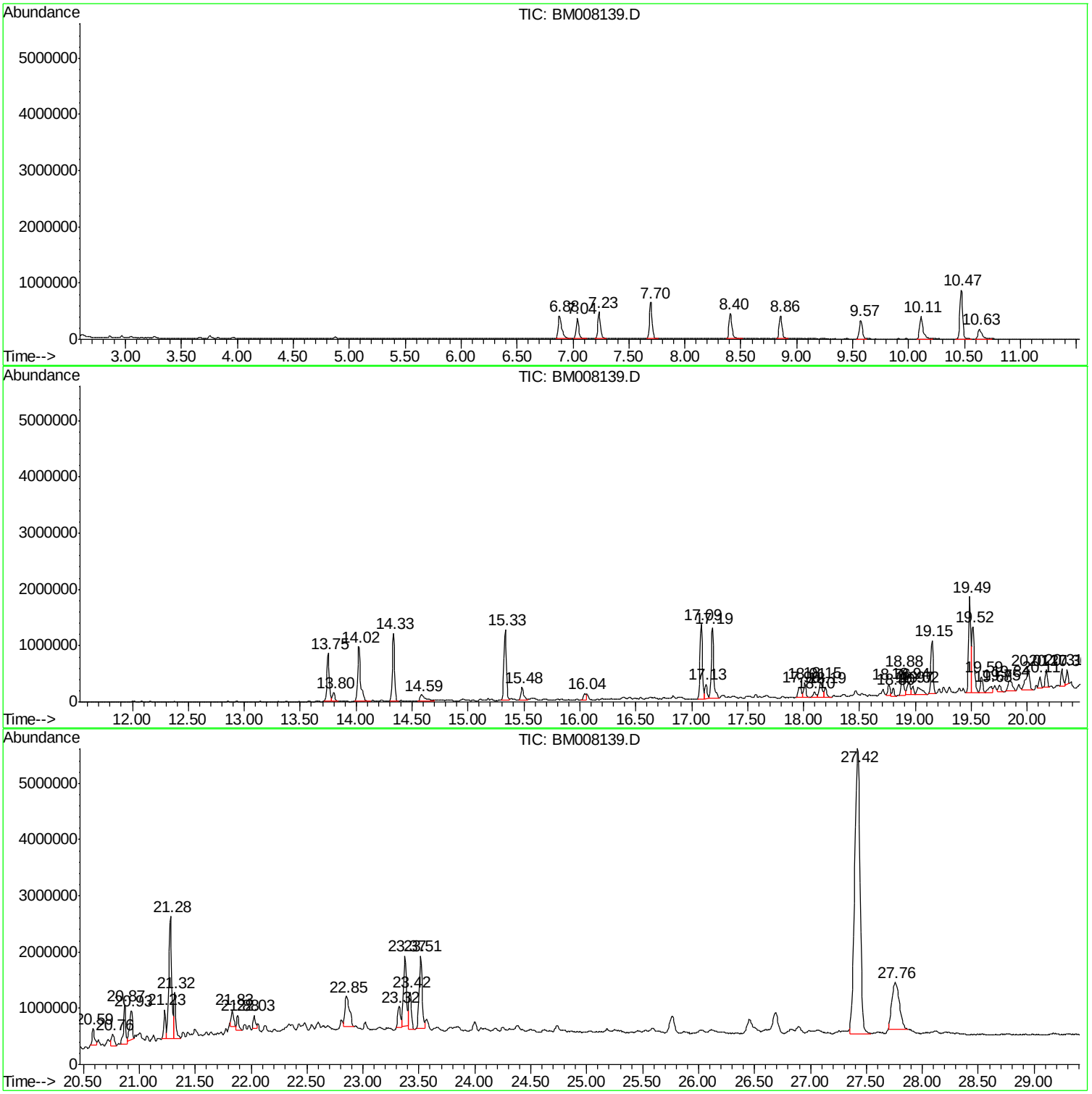
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.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\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

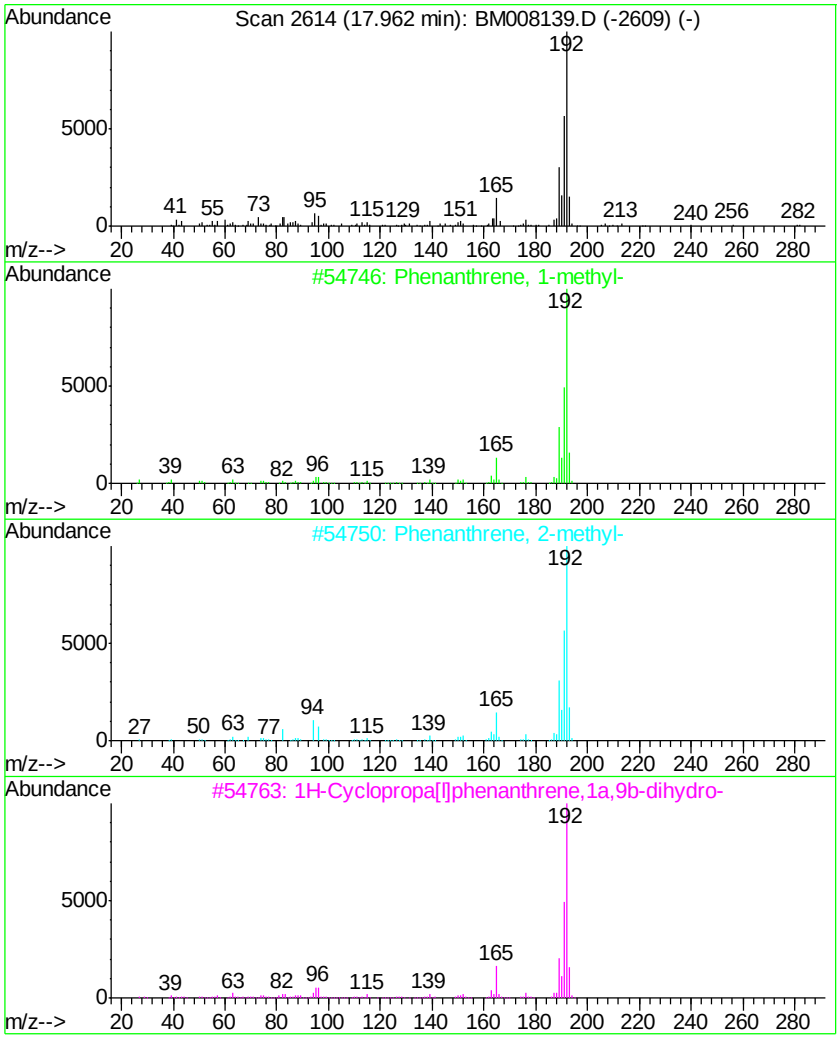
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

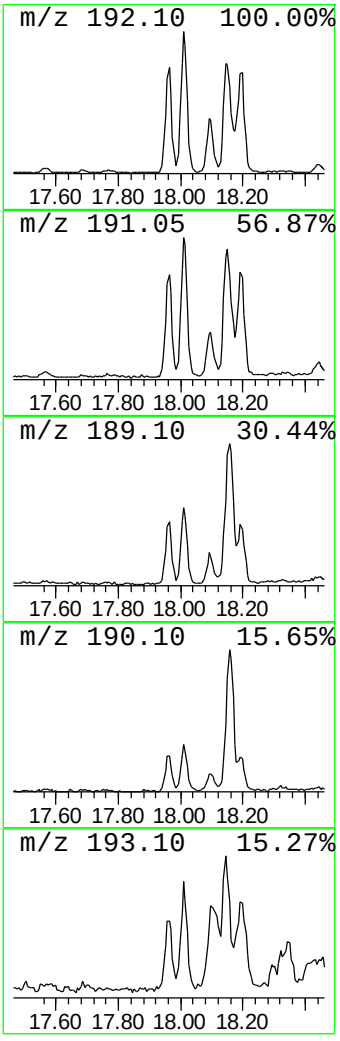
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	4.02 ng/ul	385228	Phenanthrene-d10	17.09

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	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

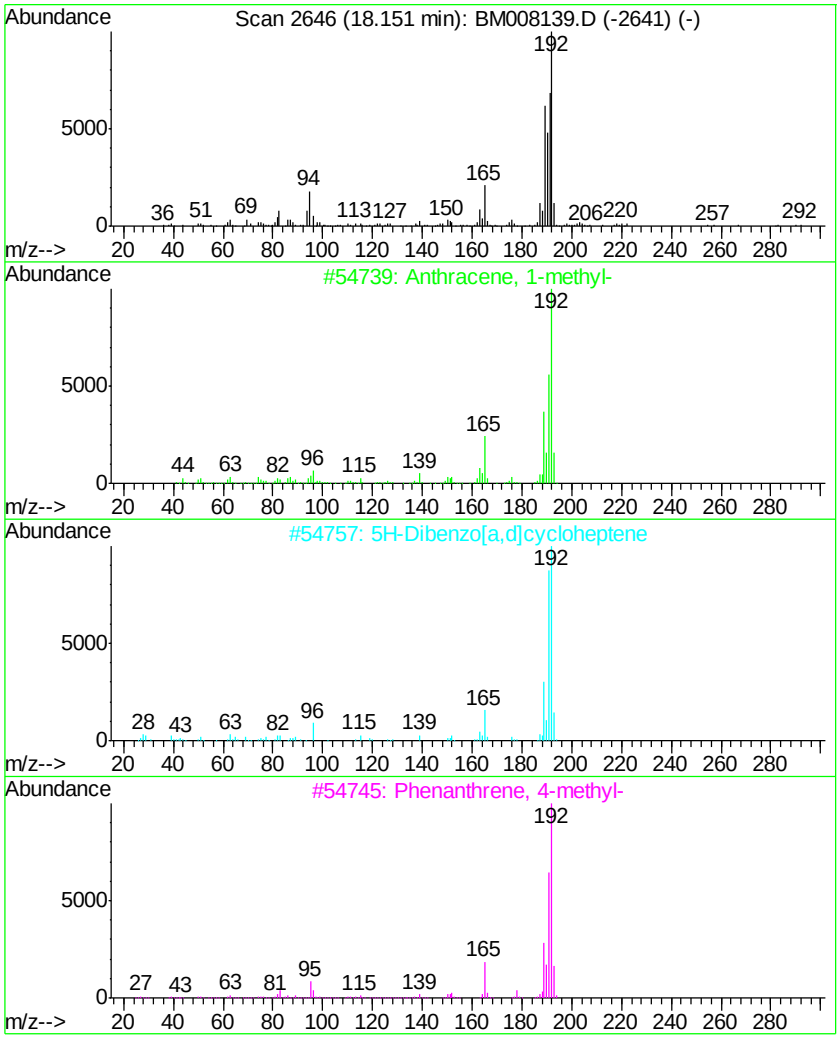
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

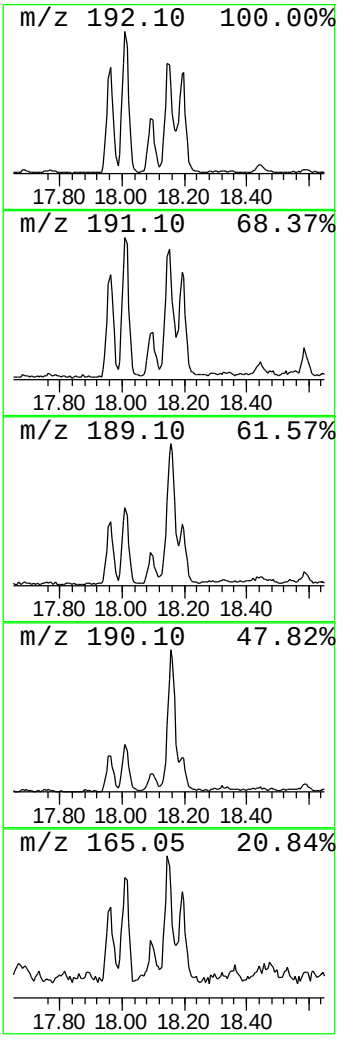
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	5.89 ng/ul	565187	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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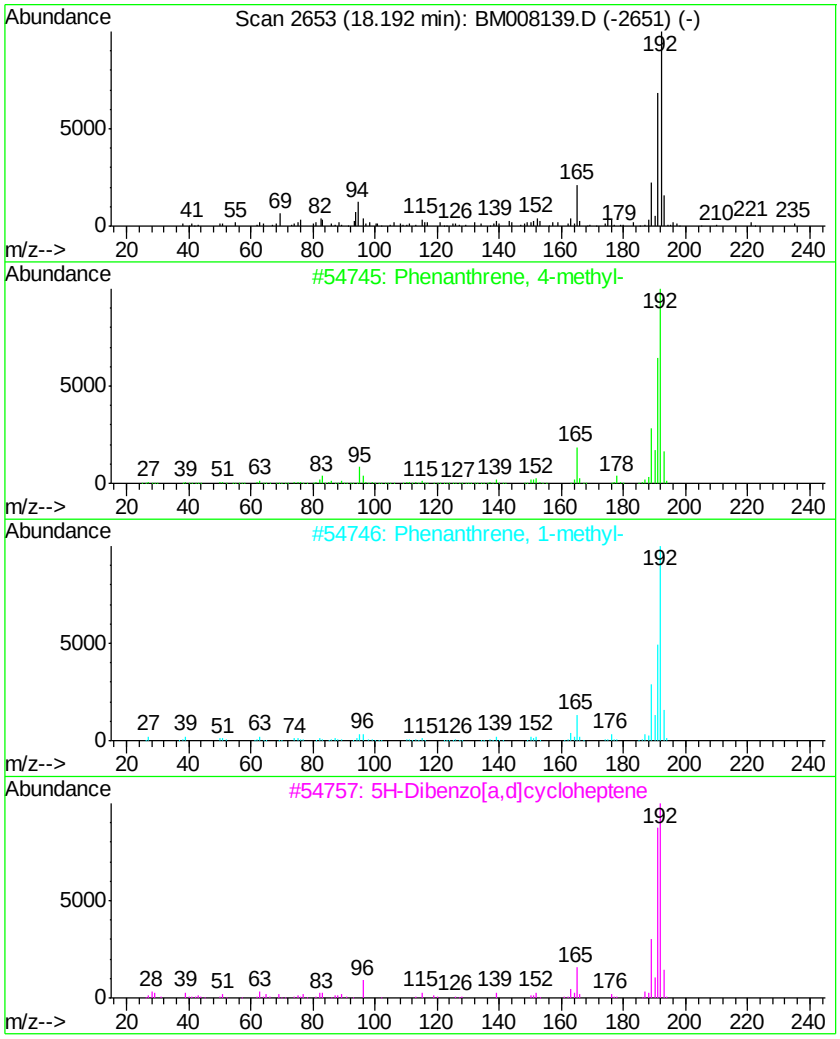
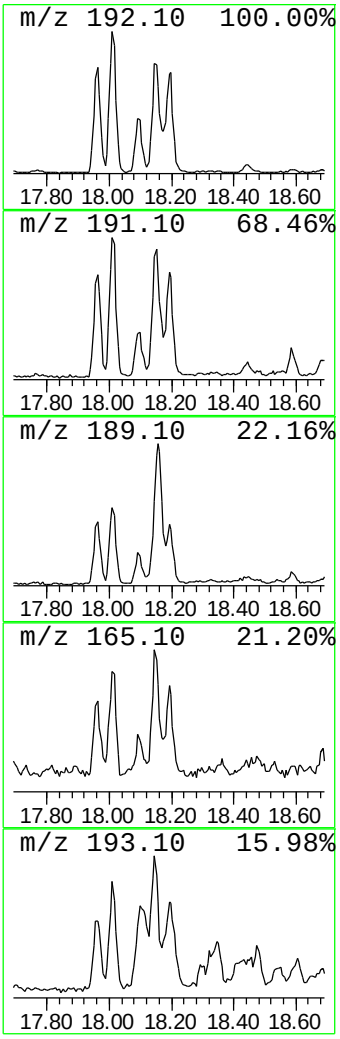
Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.68 ng/ul	257146	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	68
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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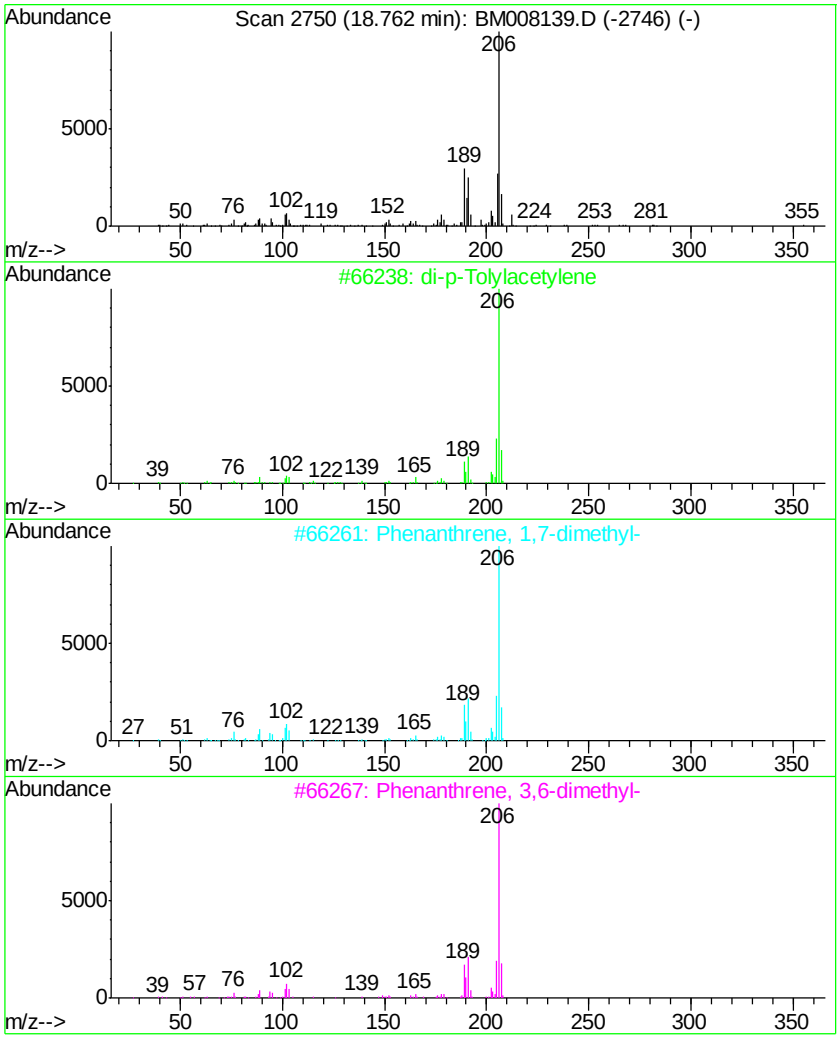
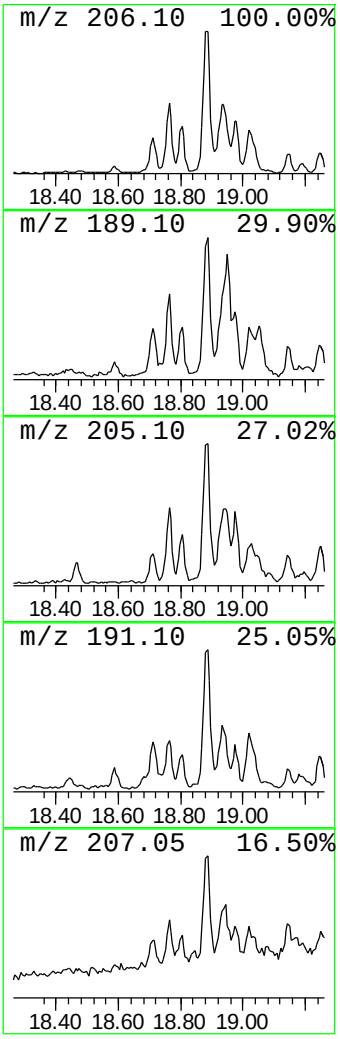
Peak Number 5 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.57 ng/ul	246126	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

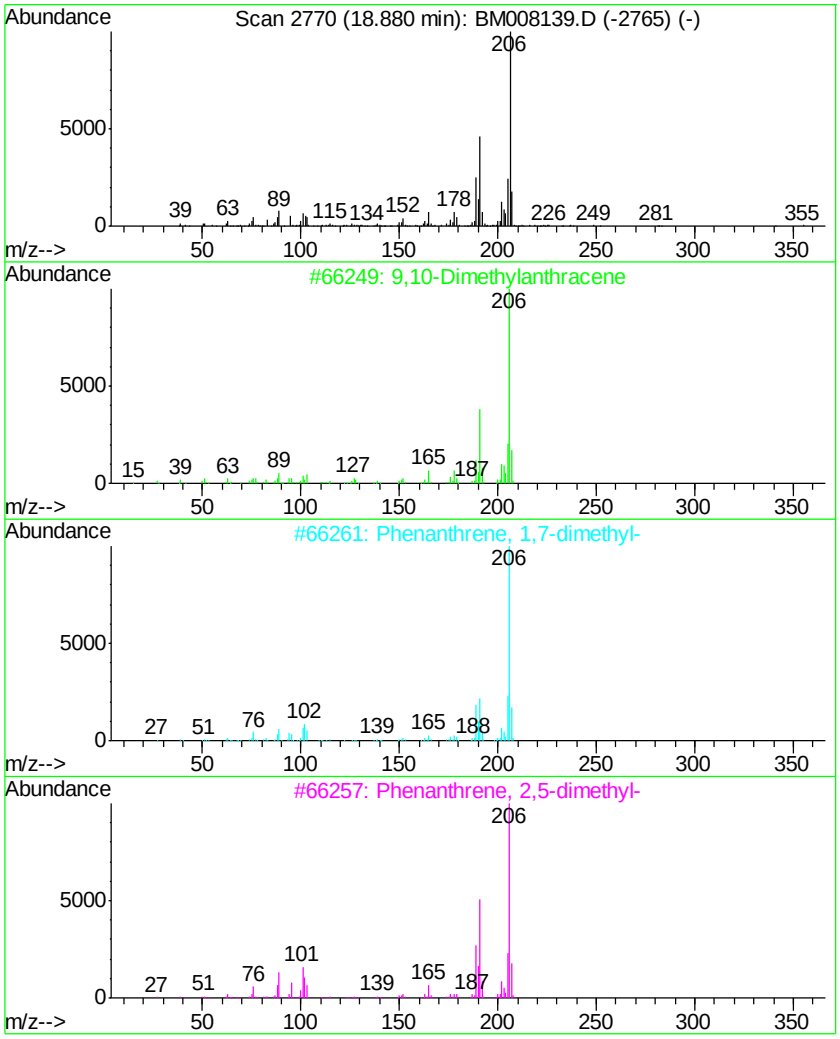
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

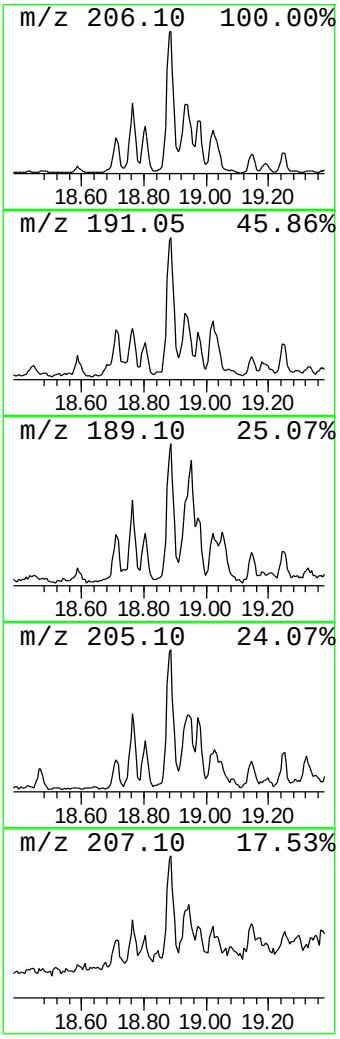
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	7.64 ng/ul	732157	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

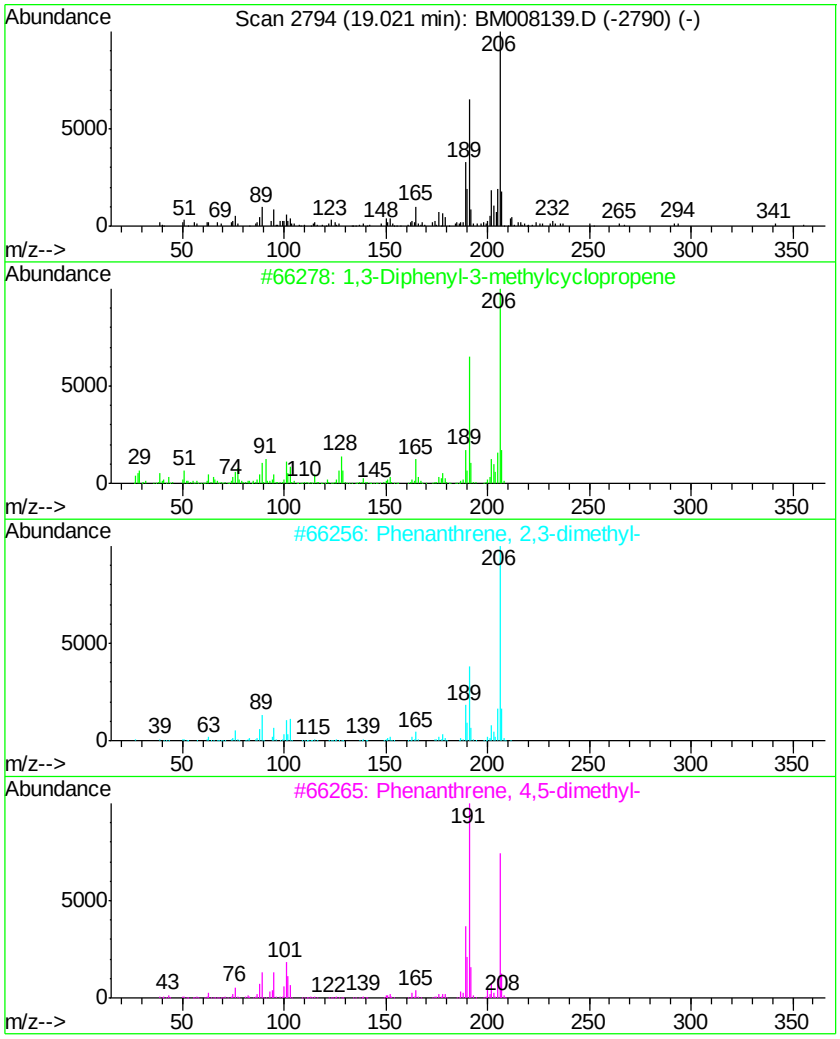
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

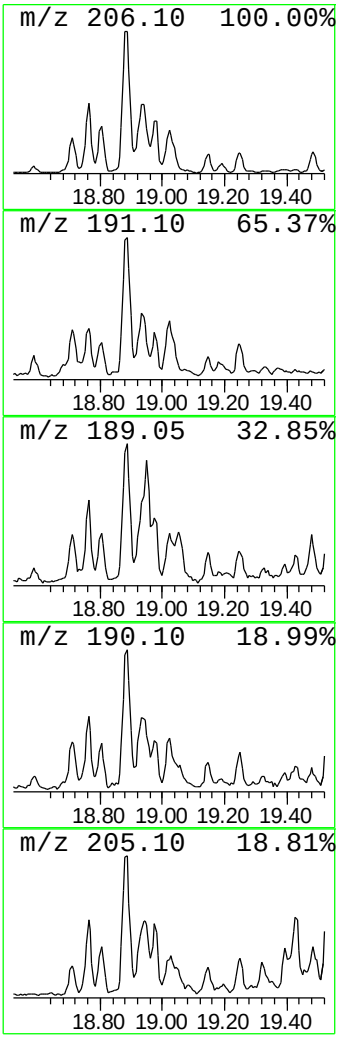
****

Peak Number 8 1,3-Diphenyl-3-methylcyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	4.70 ng/ul	450952	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

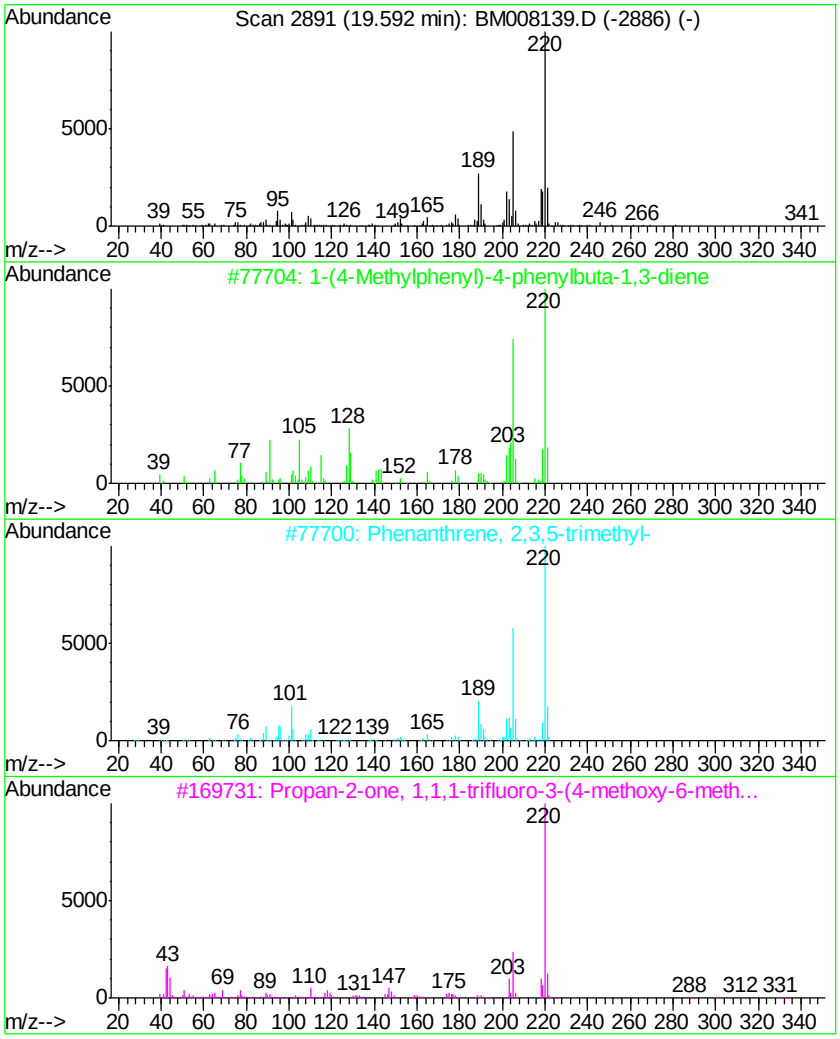
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

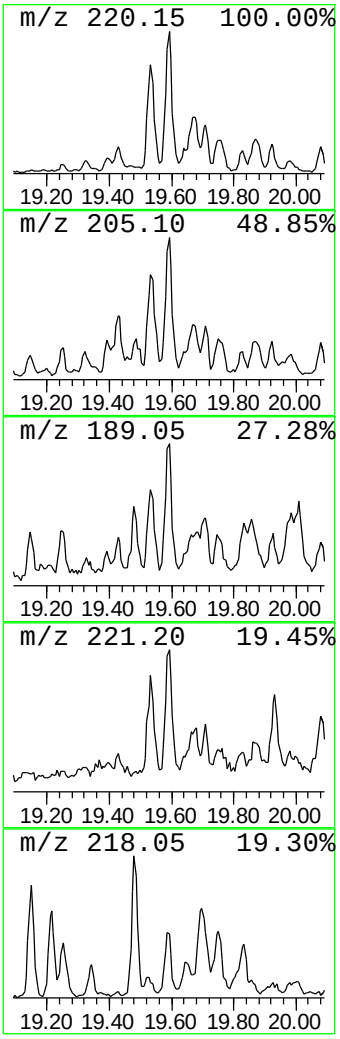
****

Peak Number 9 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	2.07 ng/ul	403585	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	74
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	59
3	Propan-2-one, 1,1,1-trifluoro-3-...	331	C15H16F3NO4	1000310-90-3	53
4	6,7,8,9-Tetrahydro-5-methylisoth...	220	C11H12N2OS	339156-87-5	50
5	2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

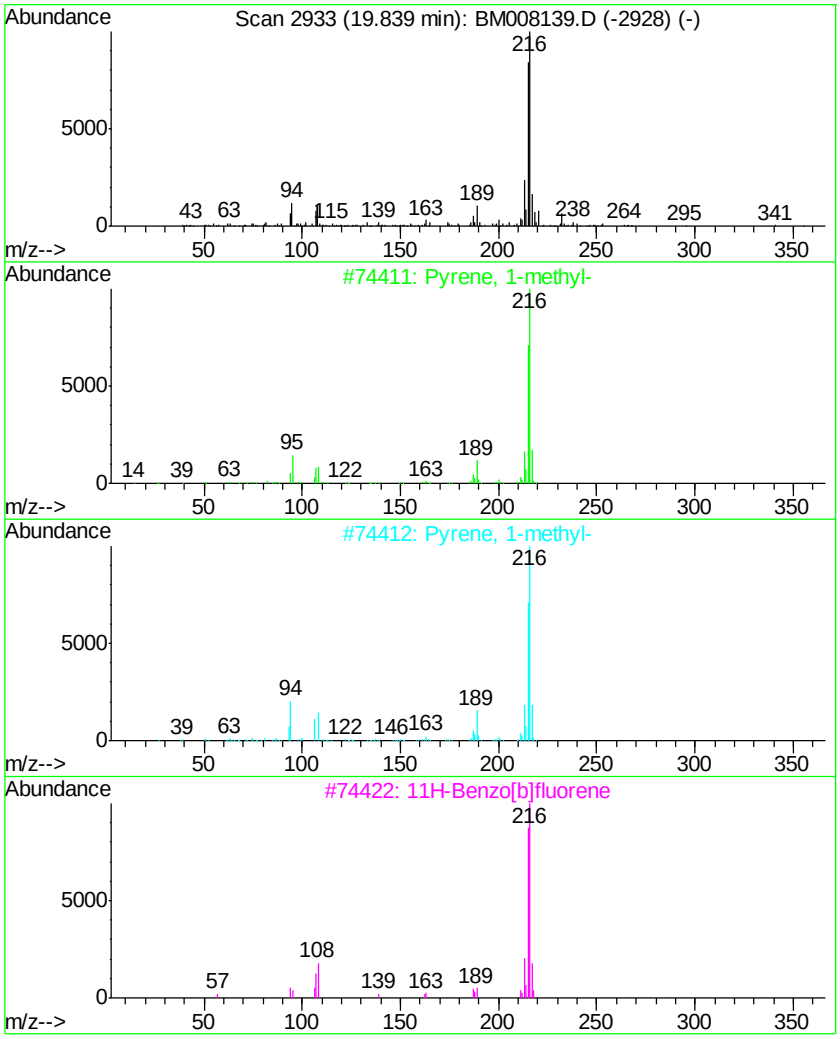
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

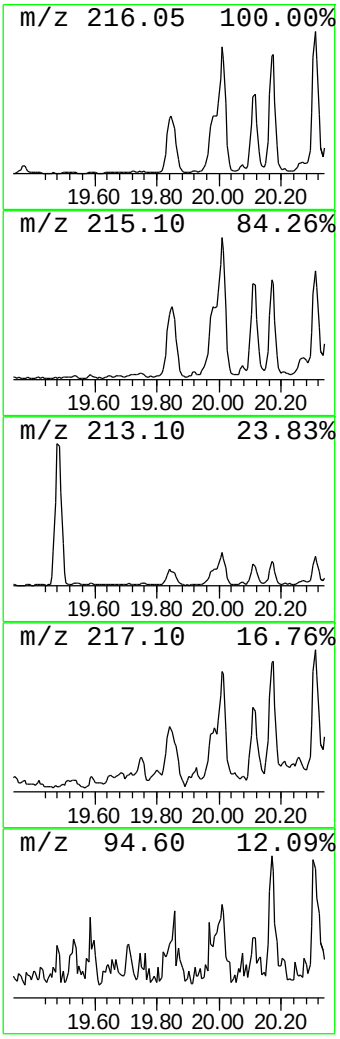
****

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.64 ng/ul	514512	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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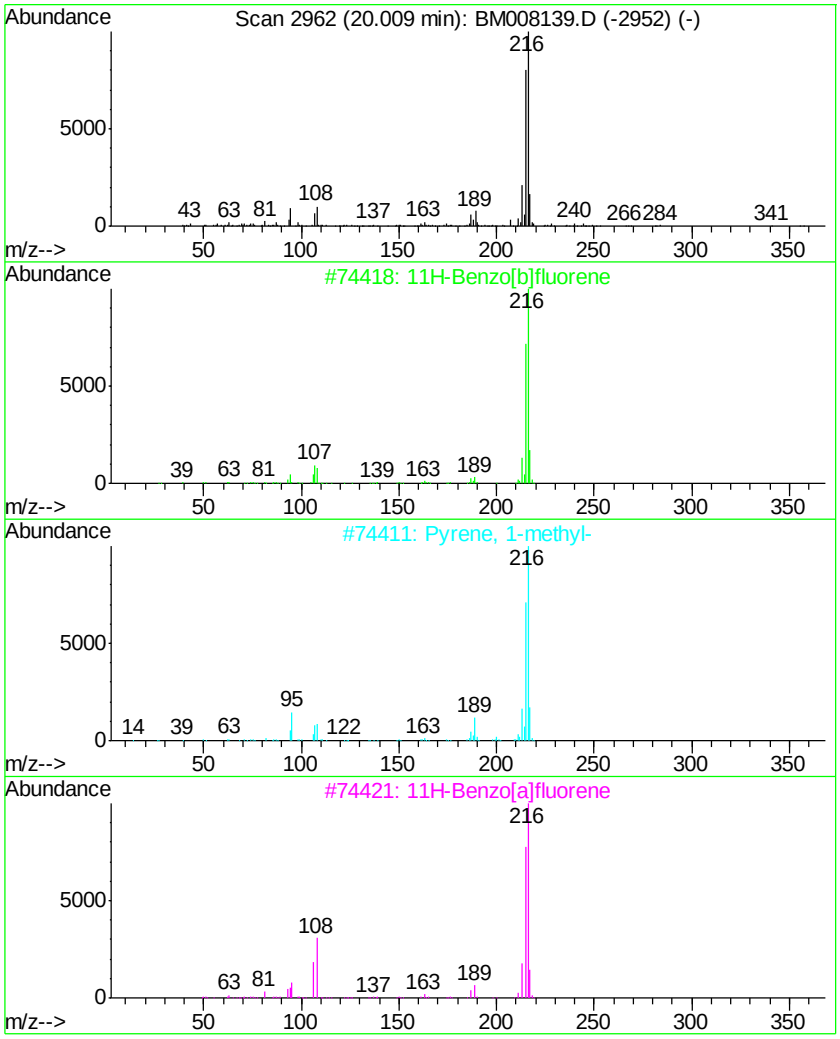
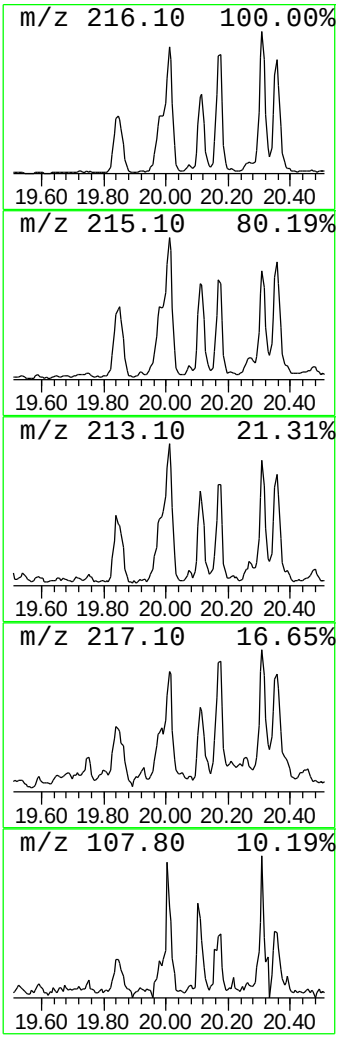
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	4.50 ng/ul	878079	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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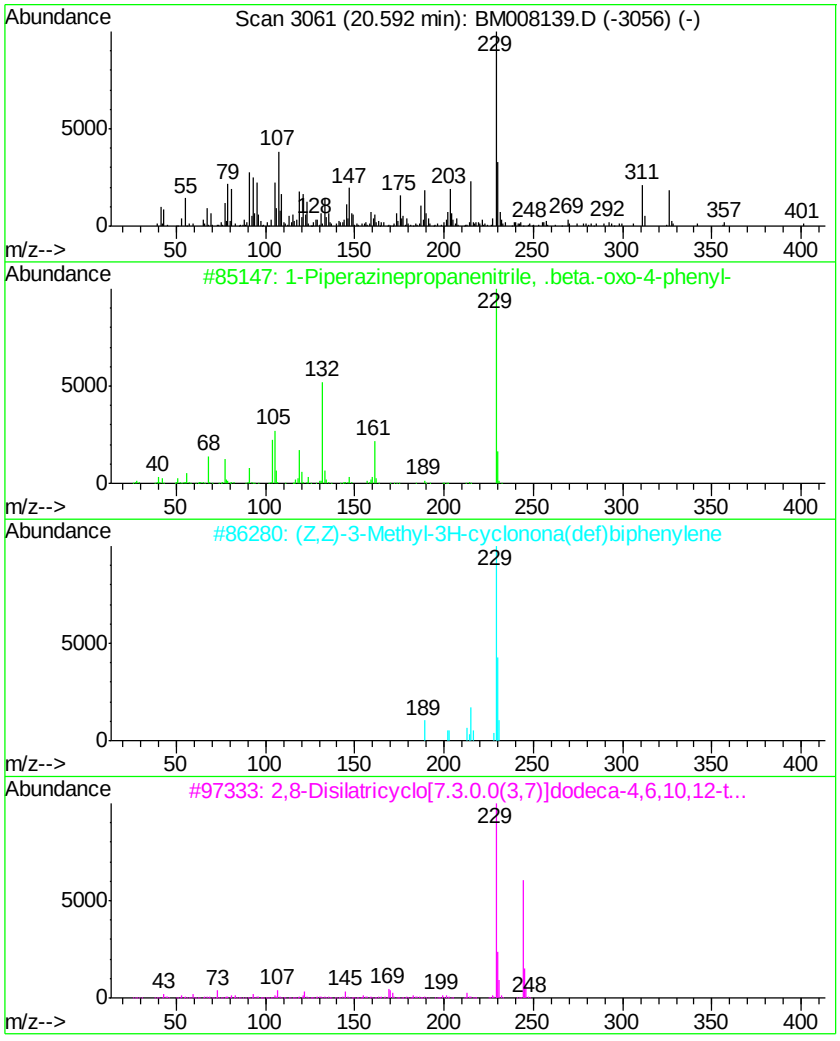
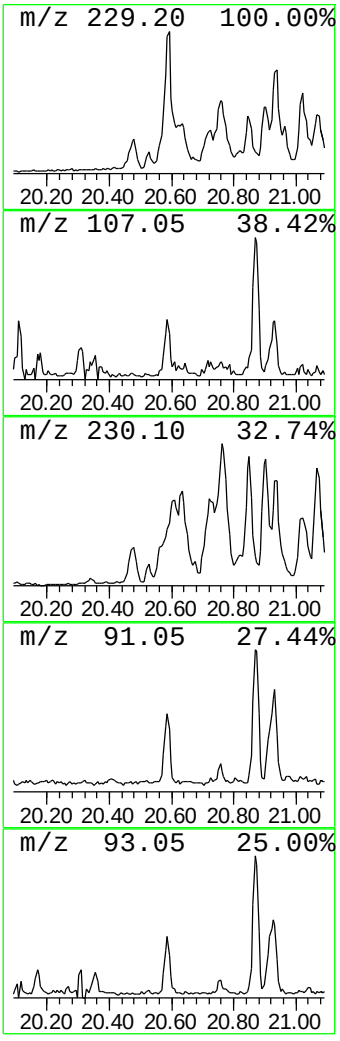
Peak Number 14 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.43 ng/ul	475057	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Piperazinepropanenitrile, .bet...	229	C13H15N3O	014761-40-1	30
2	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	27
3	2,8-Disilatricyclo[7.3.0.0(3,7)]...	244	C14H20Si2	1000163-56-4	22
4	2,6-Luitioine 4-[p-tolylthiol-	229	C14H15NS	1000252-20-5	22
5	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	22





Library Search Compound Report

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Sample : H5730-05
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

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Quant Title : SVOA CALIBRATION

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

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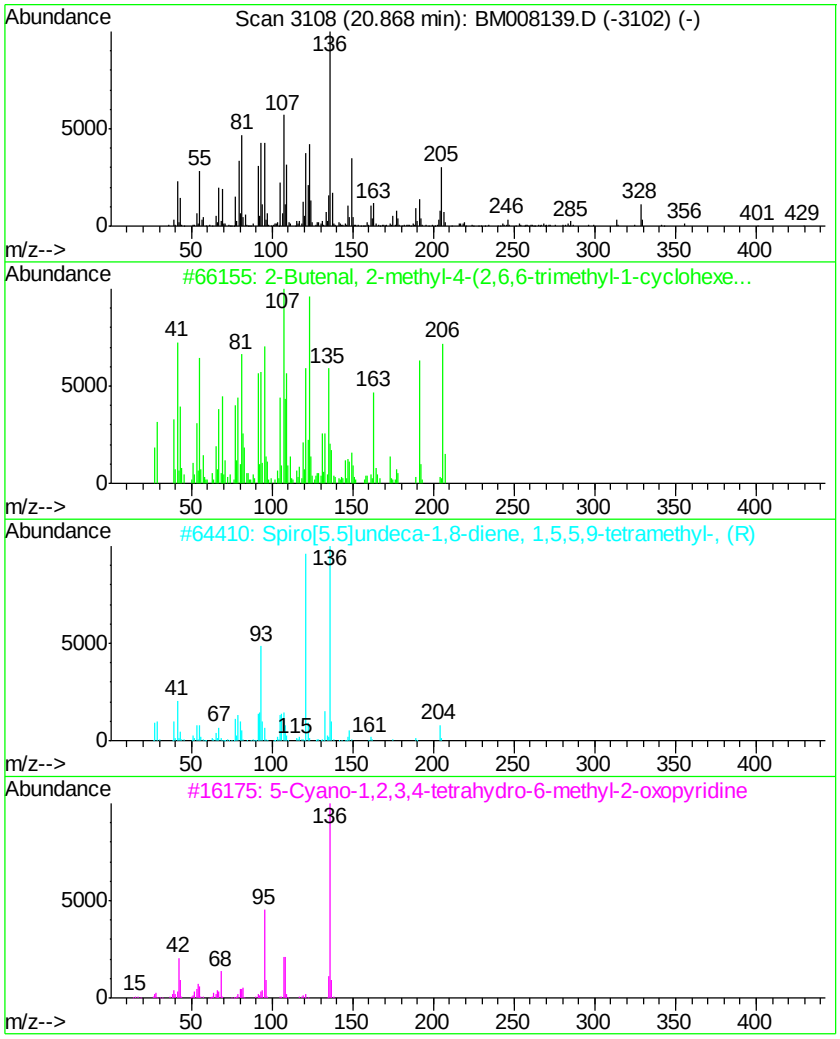
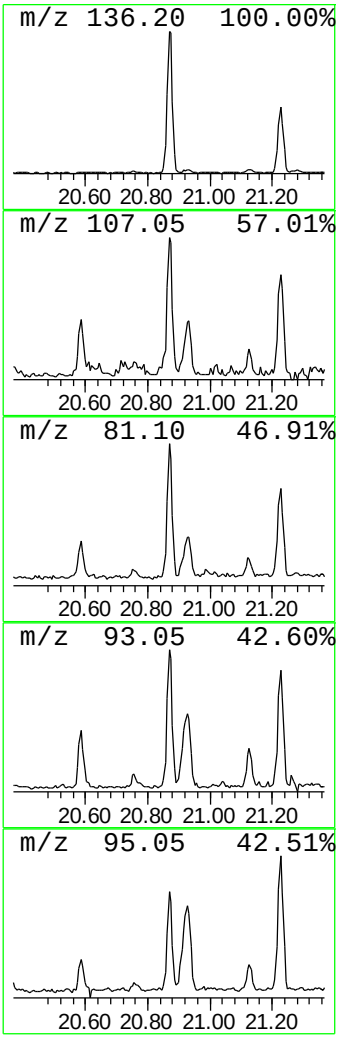
Peak Number 15 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	5.00 ng/ul	976454	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	43
2	Spiro[5.5]undeca-1,8-diene, 1,5,...	204	C15H24	019912-83-5	30
3	5-Cyano-1,2,3,4-tetrahydro-6-met...	136	C7H8N2O	027036-90-4	27
4	Benzenemethanol, 3,5-dimethyl-	136	C9H12O	027129-87-9	25
5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	18





Library Search Compound Report

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Sample : H5730-05
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

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Quant Title : SVOA CALIBRATION

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

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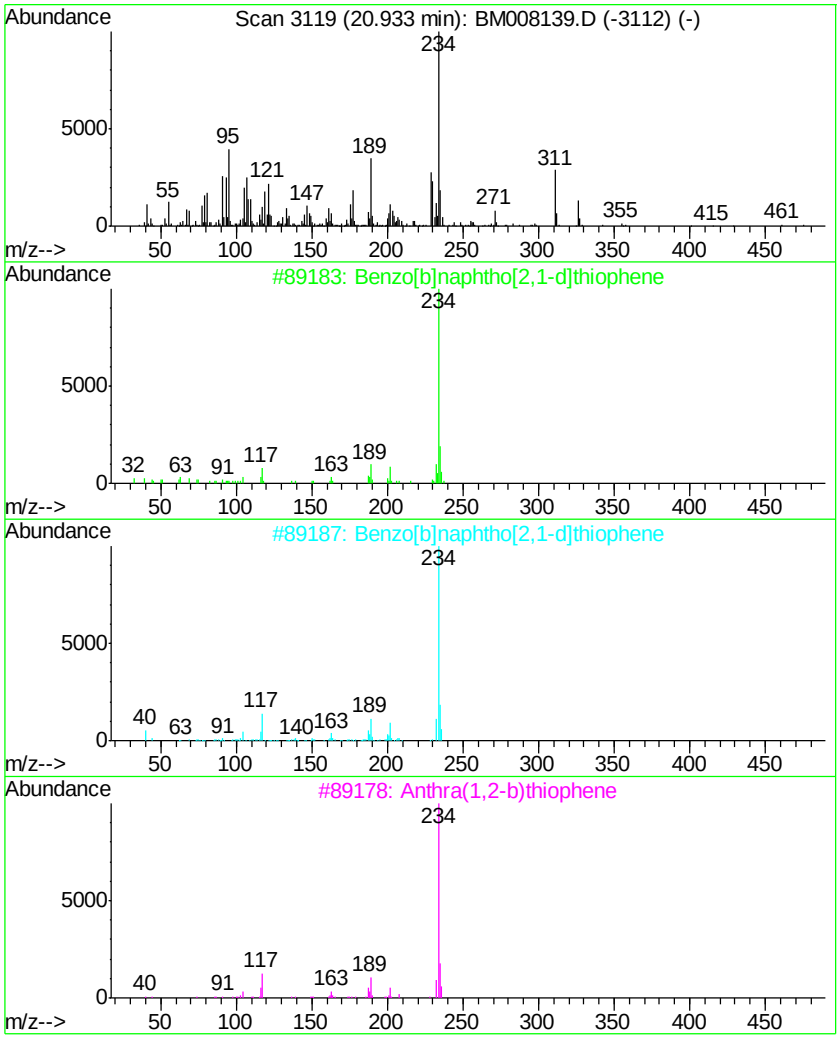
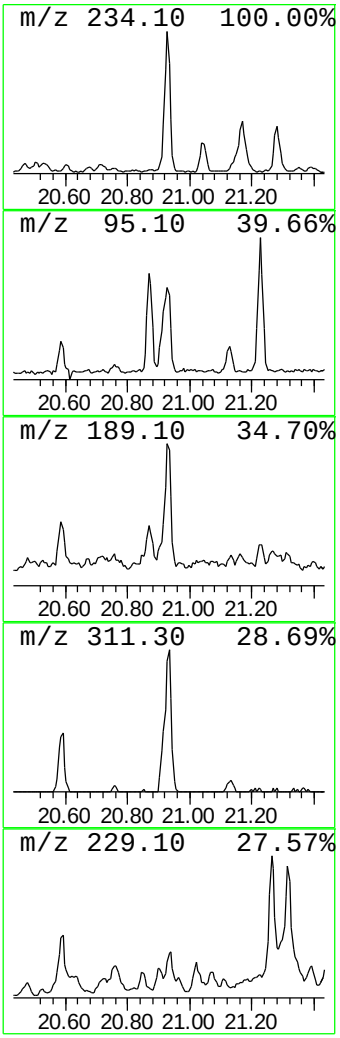
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	4.50 ng/ul	878216	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	78
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	60
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58





Library Search Compound Report

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Data File : BM008139.D
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Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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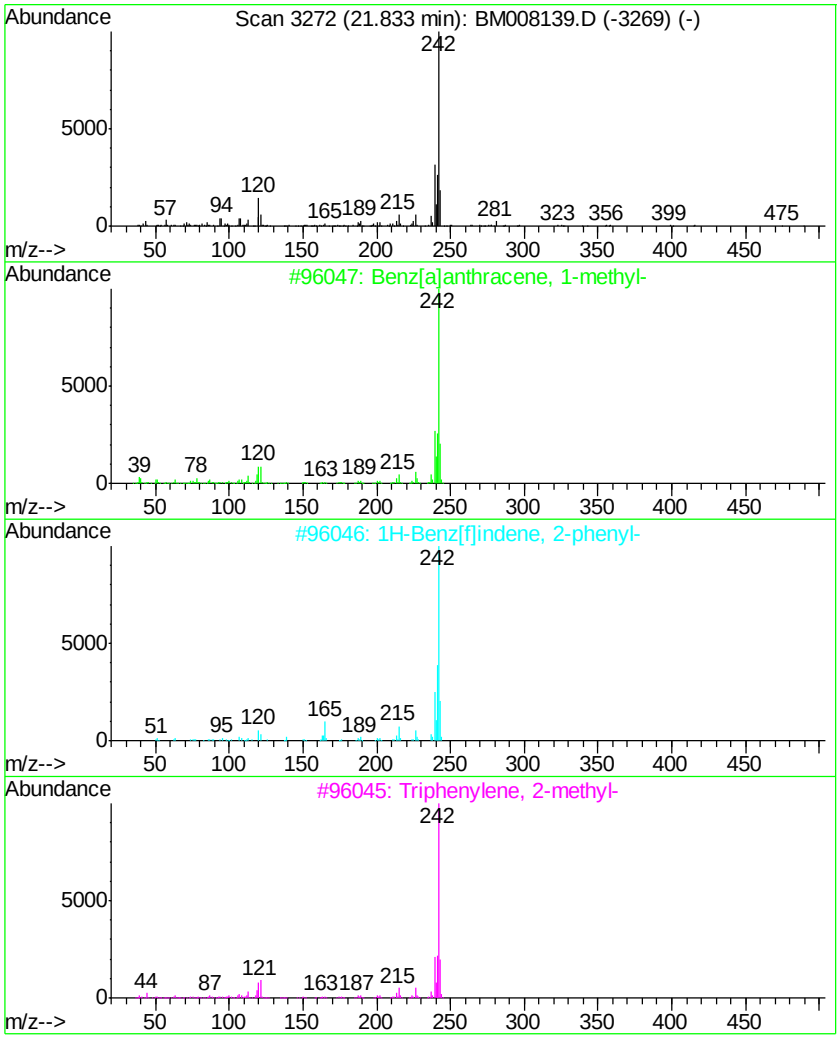
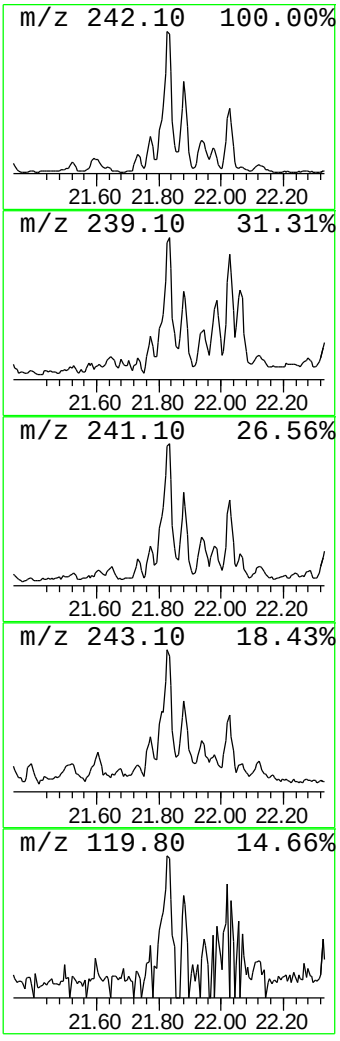
Peak Number 17 Benz[a]anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.05 ng/ul	400030	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	9H-Tribenzo[a,c,e]cycloheptene	242	C19H14	000213-10-5	92
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91





Library Search Compound Report

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Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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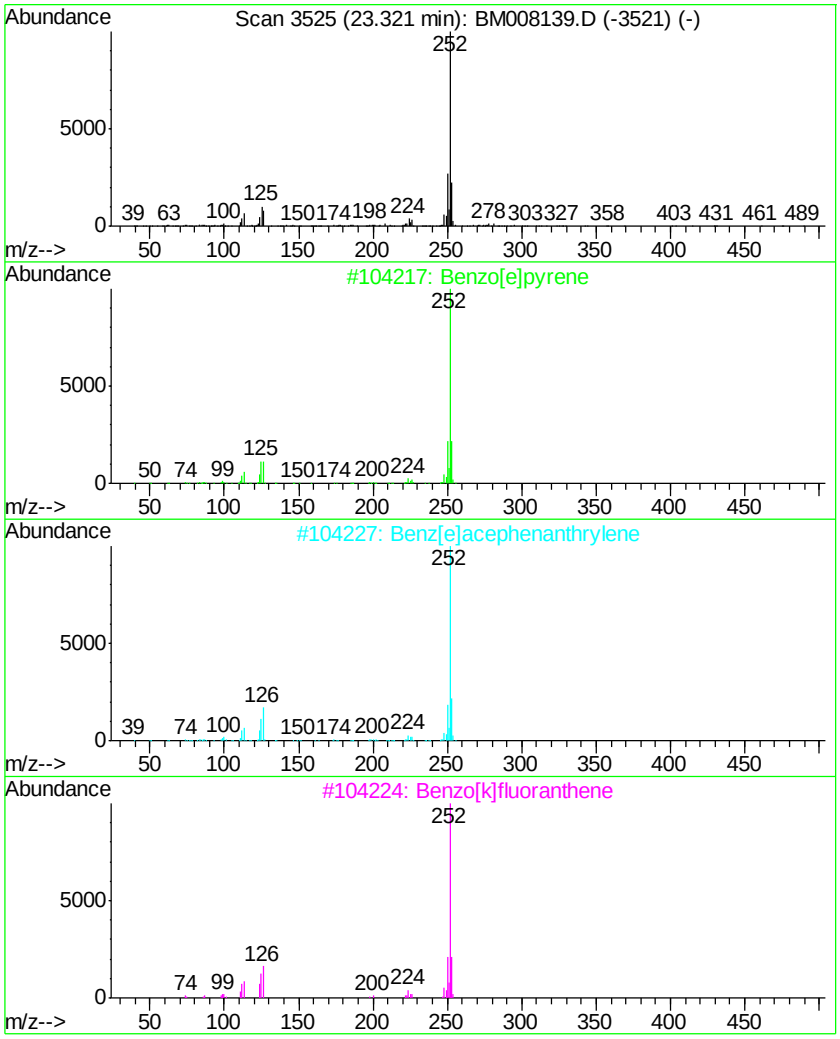
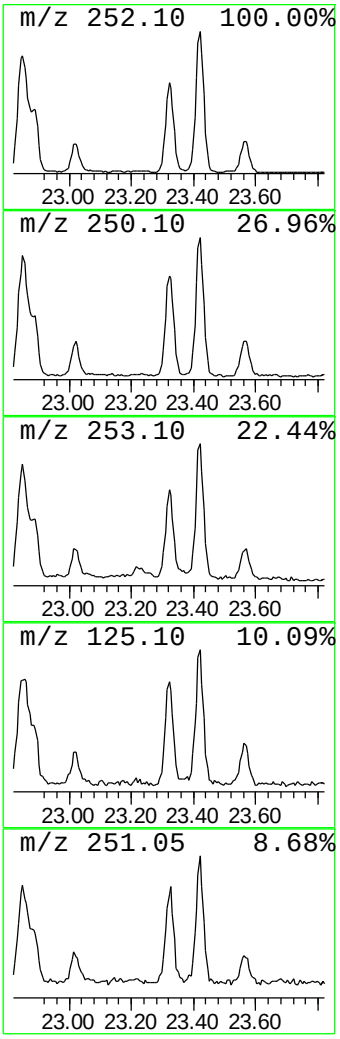
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	5.22 ng/ul	634127	Perylene-d12	23.52

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	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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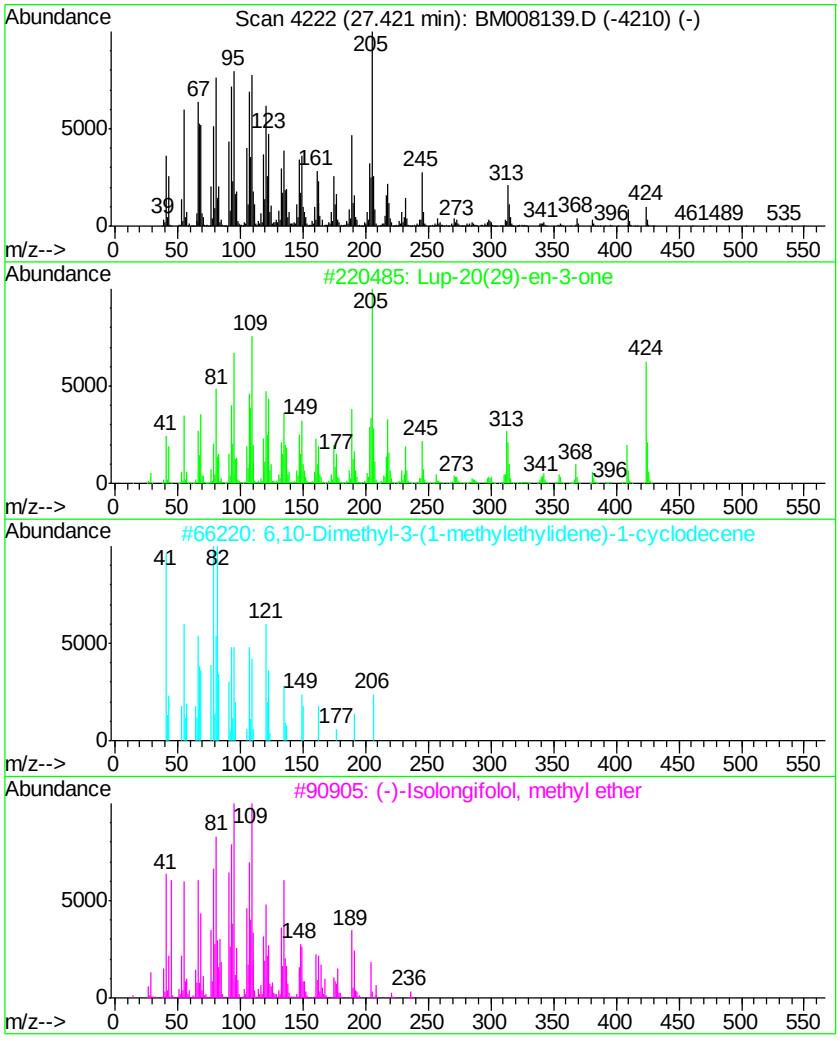
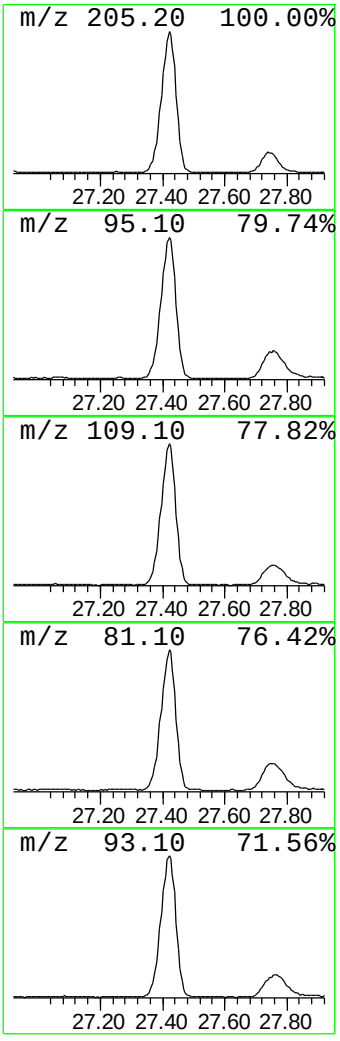
Peak Number 19 Lup-20(29)-en-3-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.42	140.26 ng/ul	17027300	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	93
2	6,10-Dimethyl-3-(1-methylethylid...	206	C15H26	069239-71-0	83
3	(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	47
4	Guaia-9,11-diene	204	C15H24	1000374-19-8	44
5	1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	075023-40-4	41





Library Search Compound Report

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Sample : H5730-05
Misc :
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Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION

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

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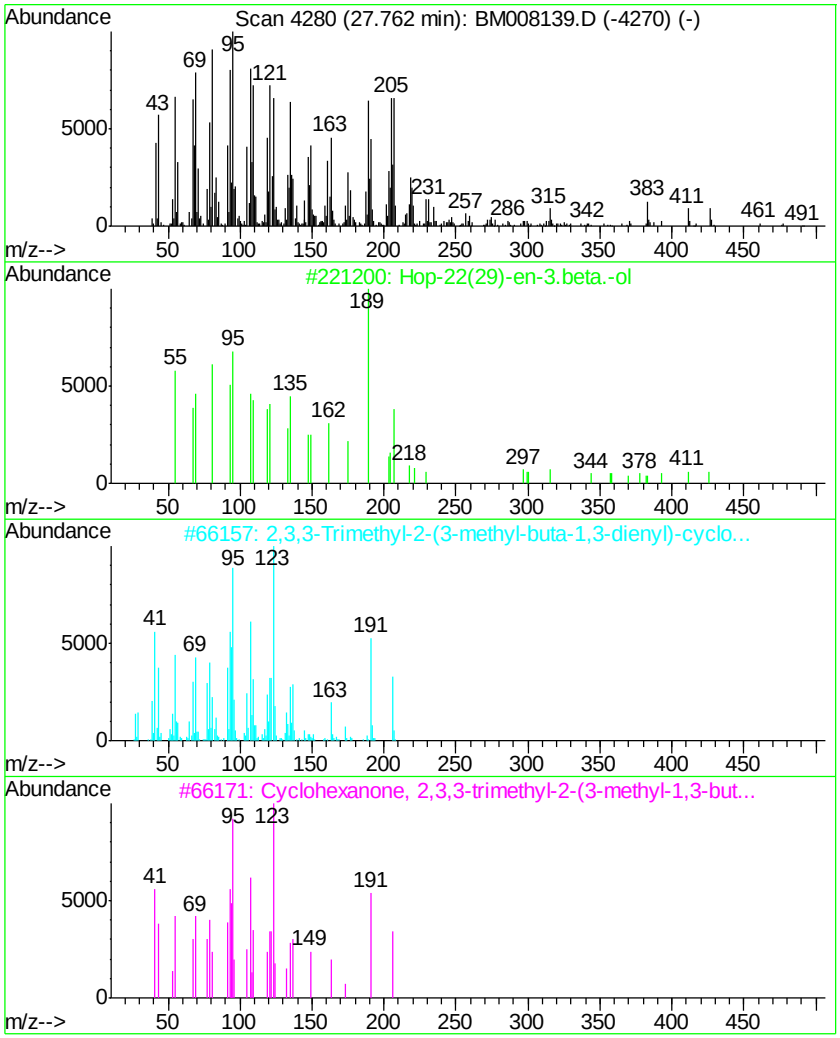
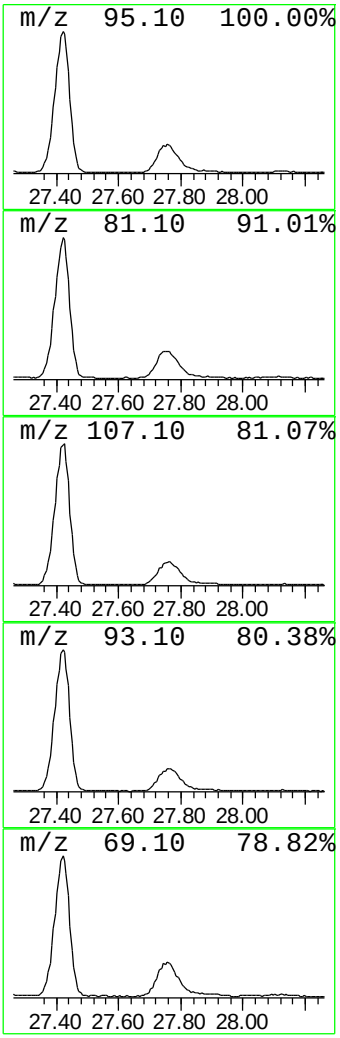
Peak Number 20 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.76	31.63 ng/ul	3839520	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	46
2	2,3,3-Trimethyl-2-(3-methyl-buta...	206	C14H22O	1000193-60-6	46
3	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	45
4	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	42
5	1-[3,3-Dimethyl-2-(3-methyl-buta...	222	C14H22O2	1000189-12-6	38





Tentatively Identified Compound (LSC) summary

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Data File : BM008139.D
Acq On : 01 Dec 2016 16:06
Operator : UM/SJ
Sample : H5730-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4WG8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.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...	17.96	4.0	ng/ul	385228	4	17.09	1917680	20.0
Anthracene, 1-met...	18.15	5.9	ng/ul	565187	4	17.09	1917680	20.0
Phenanthrene, 4-m...	18.19	2.7	ng/ul	257146	4	17.09	1917680	20.0
di-p-Tolylacetylene	18.76	2.6	ng/ul	246126	4	17.09	1917680	20.0
9,10-Dimethylanth...	18.88	7.6	ng/ul	732157	4	17.09	1917680	20.0
1,3-Diphenyl-3-me...	19.02	4.7	ng/ul	450952	4	17.09	1917680	20.0
1-(4-Methylphenyl...	19.59	2.1	ng/ul	403585	5	21.28	3904340	20.0
Pyrene, 1-methyl-	19.84	2.6	ng/ul	514512	5	21.28	3904340	20.0
11H-Benzo[b]fluorene	20.01	4.5	ng/ul	878079	5	21.28	3904340	20.0
unknown-01	20.59	2.4	ng/ul	475057	5	21.28	3904340	20.0
unknown-02	20.87	5.0	ng/ul	976454	5	21.28	3904340	20.0
Benzo[b]naphtho[2...	20.93	4.5	ng/ul	878216	5	21.28	3904340	20.0
Benz[a]anthracene...	21.83	2.0	ng/ul	400030	5	21.28	3904340	20.0
Benzo[e]pyrene	23.32	5.2	ng/ul	634127	6	23.52	2428040	20.0
Lup-20(29)-en-3-one	27.42	140.3	ng/ul	17027300	6	23.52	2428040	20.0
unknown-03	27.76	31.6	ng/ul	3839520	6	23.52	2428040	20.0