LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.267	747	754	766	rBV	229273	435548	0.31%	0.205%
2	7.425	774	781	791	rBV	185360	330511	0.24%	0.155%
3	7.637	809	817	825	rBV	228143	414009	0.30%	0.195%
4	8.107	891	897	902	rBV	613047	1067714	0.77%	0.502%
5	8.160	902	906	913	rVB	212802	325163	0.23%	0.153%
6	8.829	1013	1020	1031	rBV2	249904	469975	0.34%	0.221%
7	9.288	1092	1098	1106	rBV2	230576	424845	0.30%	0.200%
8	10.016	1215	1222	1230	rBV2	217569	395749	0.28%	0.186%
9	10.574	1308	1317	1325	rBV	297184	599864	0.43%	0.282%
10	10.944	1372	1380	1388	rBV	934158	1735937	1.24%	0.816%
11	11.091	1397	1405	1413	rBV2	163571	342402	0.25%	0.161%
12	14.175	1922	1930	1935	rVV	641976	998610	0.72%	0.470%
13	14.222	1935	1938	1945	rVB	326510	489018	0.35%	0.230%
14	14.475	1976	1981	1998	rVB	658053	1285392	0.92%	0.604%
15	14.786	2021	2034	2041	rBV2	1474912	2554755	1.83%	1.201%
16	15.009	2061	2072	2084	rBV3	135851	380140	0.27%	0.179%
17	15.779	2197	2203	2209	rBV	1001257	1436064	1.03%	0.675%
18	15.908	2220	2225	2231	rBV2	197777	318970	0.23%	0.150%
19	17.547	2498	2504	2508	rBV	1965319	2967383	2.13%	1.395%
20	17.588	2508	2511	2516	rVB	943799	1296017	0.93%	0.609%
21	17.647	2516	2521	2525	rBV	977778	1373105	0.98%	0.646%
22	17.741	2531	2537	2541	rVB5	67195	143667	0.10%	0.068%
23	18.129	2600	2603	2612	rVB2	137782	237587	0.17%	0.112%
24	18.428	2649	2654	2658	rVV	560117	941779	0.68%	0.443%
25	18.475	2658	2662	2670	rVV2	548041	980721	0.70%	0.461%
26	18.557	2672	2676	2681	rVV3	86686	158084	0.11%	0.074%
27	18.616	2681	2686	2690	rVV3	466828	920846	0.66%	0.433%
28	18.657	2690	2693	2699	rVB	371664	550987	0.39%	0.259%
29	18.922	2734	2738	2742	rBV2	228628	340192	0.24%	0.160%
30	18.974	2743	2747	2756	rVB5	197698	382565	0.27%	0.180%
31	19.168	2773	2780	2783	rBV2	170374	295144	0.21%	0.139%
32	19.215	2785	2788	2792	rVV	296331	362644	0.26%	0.171%
33	19.256	2792	2795	2799	rVB2	164742	196824	0.14%	0.093%
34	19.339	2804	2809	2814	rBV	661555	1117580	0.80%	0.525%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	19.392	2814	2818	2822	rVV3	206314	392850	0.28%	0.185%
36	19.427	2822	2824	2828	rVB	212959	260875	0.19%	0.123%
37	19.486	2828	2834	2839	rBV5	289726	642507	0.46%	0.302%
38	19.603	2849	2854	2860	rVB	1977157	2892852	2.07%	1.360%
39	19.656	2861	2863	2866	rVV2	119111	151984	0.11%	0.071%
40	19.697	2867	2870	2874	rVB2	214402	330371	0.24%	0.155%
41	19.938	2906	2911	2913	rBV2	1275796	1867191	1.34%	0.878%
42	19.967	2913	2916	2923	rVB	2301461	3542590	2.54%	1.666%
43	20.038	2923	2928	2933	rVB	382463	563391	0.40%	0.265%
44	20.302	2963	2973	2979	rBV7	325637	1103722	0.79%	0.519%
45	20.455	2990	2999	3005	rVB	406815	1102895	0.79%	0.519%
46	20.561	3014	3017	3020	rVB	137784	155383	0.11%	0.073%
47	20.619	3024	3027	3031	rVB	495862	584792	0.42%	0.275%
48	20.760	3047	3051	3055	rBV	483083	696368	0.50%	0.327%
49	20.807	3055	3059	3067	rVB2	406177	739273	0.53%	0.348%
50	21.195	3120	3125	3129	rBV2	811577	1231378	0.88%	0.579%
51	21.242	3130	3133	3138	rVB	365328	541453	0.39%	0.255%
52	21.577	3186	3190	3196	rVB2	519059	999817	0.72%	0.470%
53	21.788	3209	3226	3229	rBV2	42455668	139494349	100.00%	65.590%
54	21.871	3233	3240	3245	rVV2	2199906	5341598	3.83%	2.512%
55	21.923	3245	3249	3256	rVB	999614	1799268	1.29%	0.846%
56	23.004	3427	3433	3438	rBV	2682250	4678138	3.35%	2.200%
57	24.191	3628	3635	3641	rBV4	784275	2453448	1.76%	1.154%
58	24.667	3708	3716	3724	rBV	2991160	7402126	5.31%	3.480%
59	25.119	3787	3793	3801	rVB	689003	1738984	1.25%	0.818%
60	25.284	3812	3821	3829	rBV2	970353	2849414	2.04%	1.340%
61	26.946	4096	4104	4124	rVB	721173	2848284	2.04%	1.339%

Sum of corrected areas: 212675092

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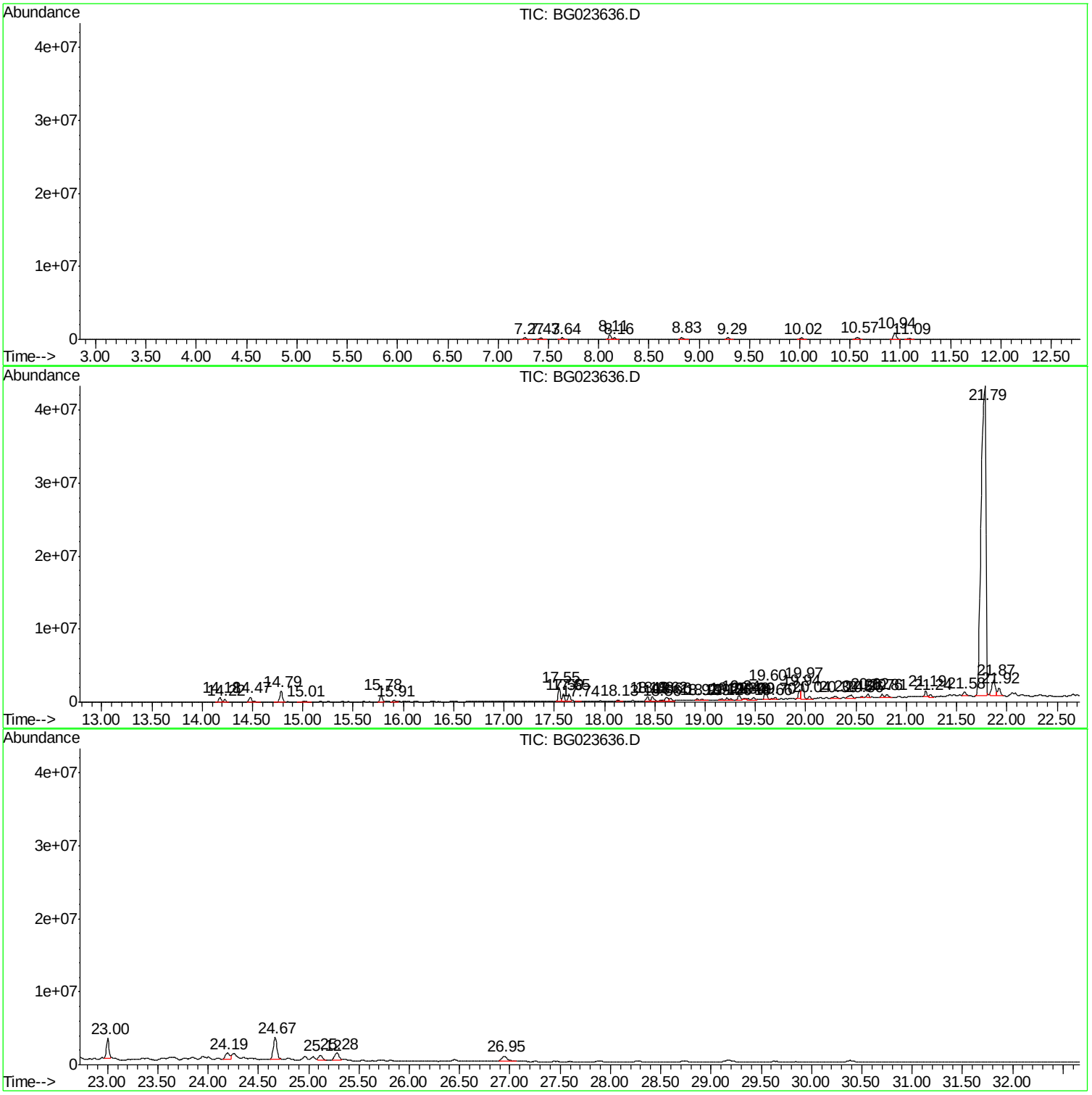
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
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Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

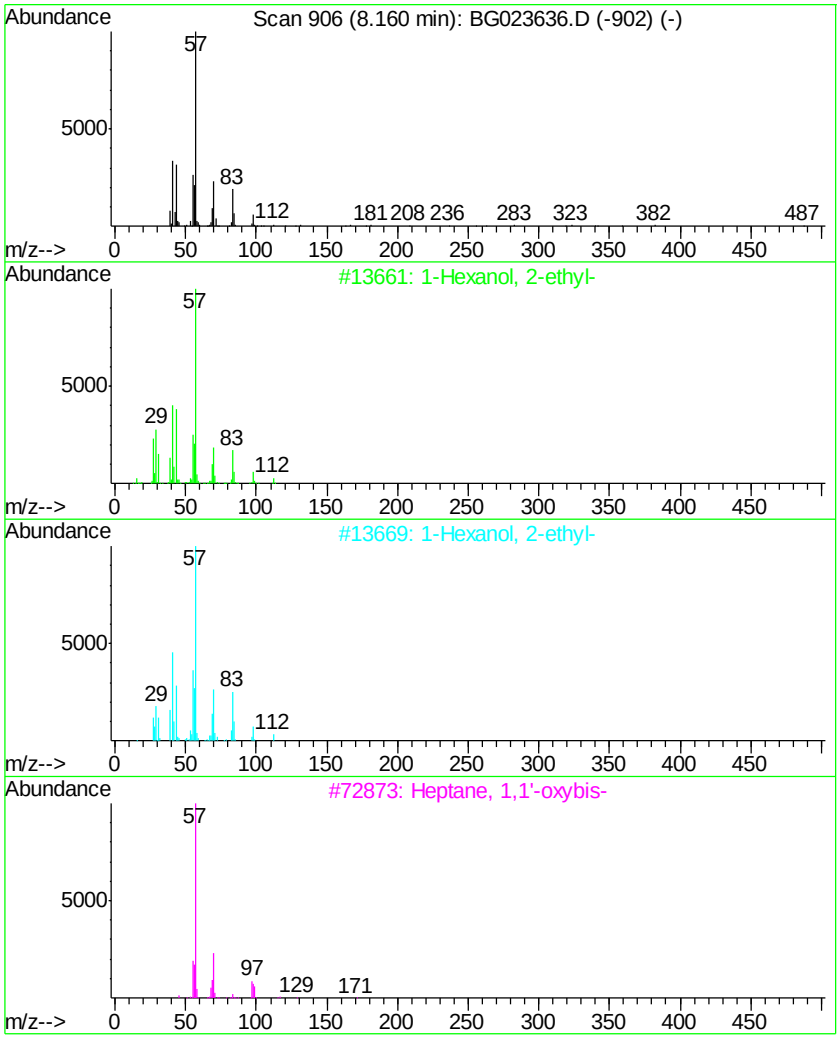
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

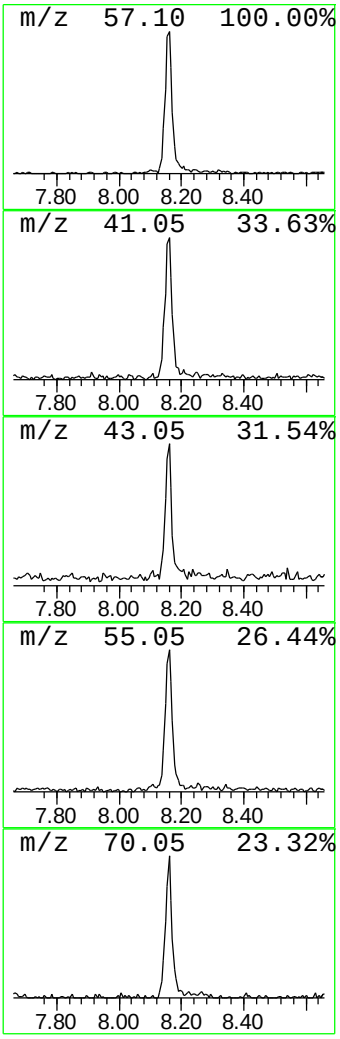
****

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	6.09 ng/ul	325163	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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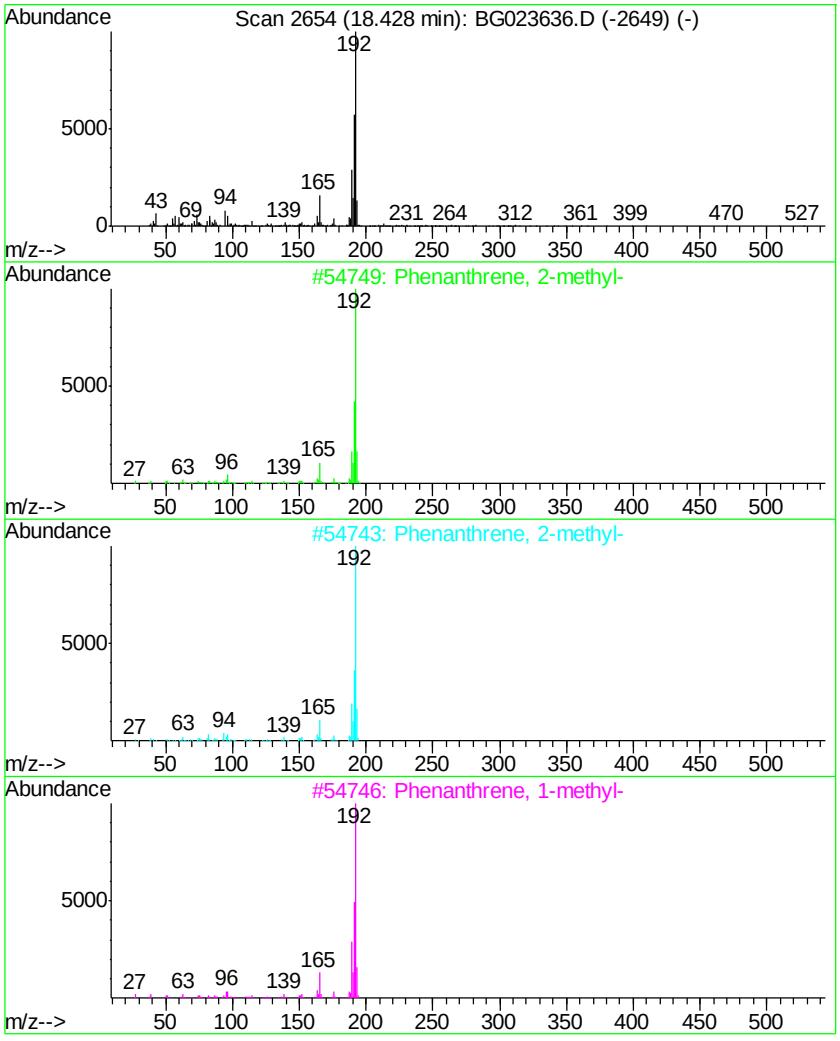
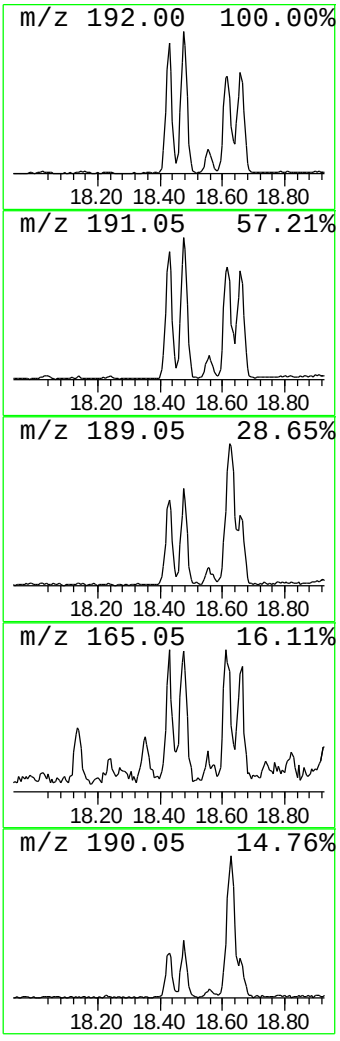
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	6.35 ng/ul	941779	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

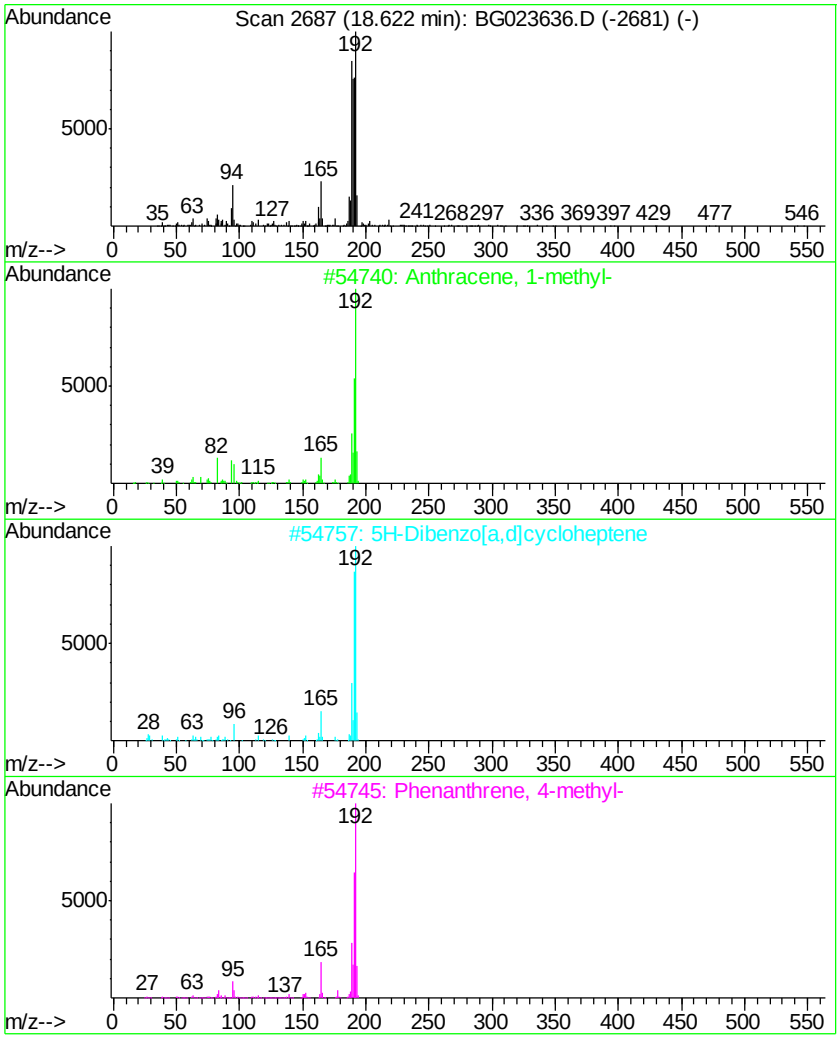
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

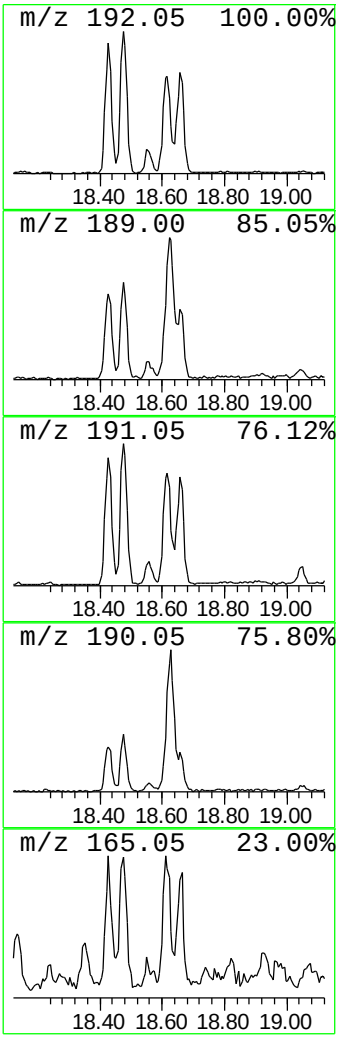
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	6.21 ng/ul	920846	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

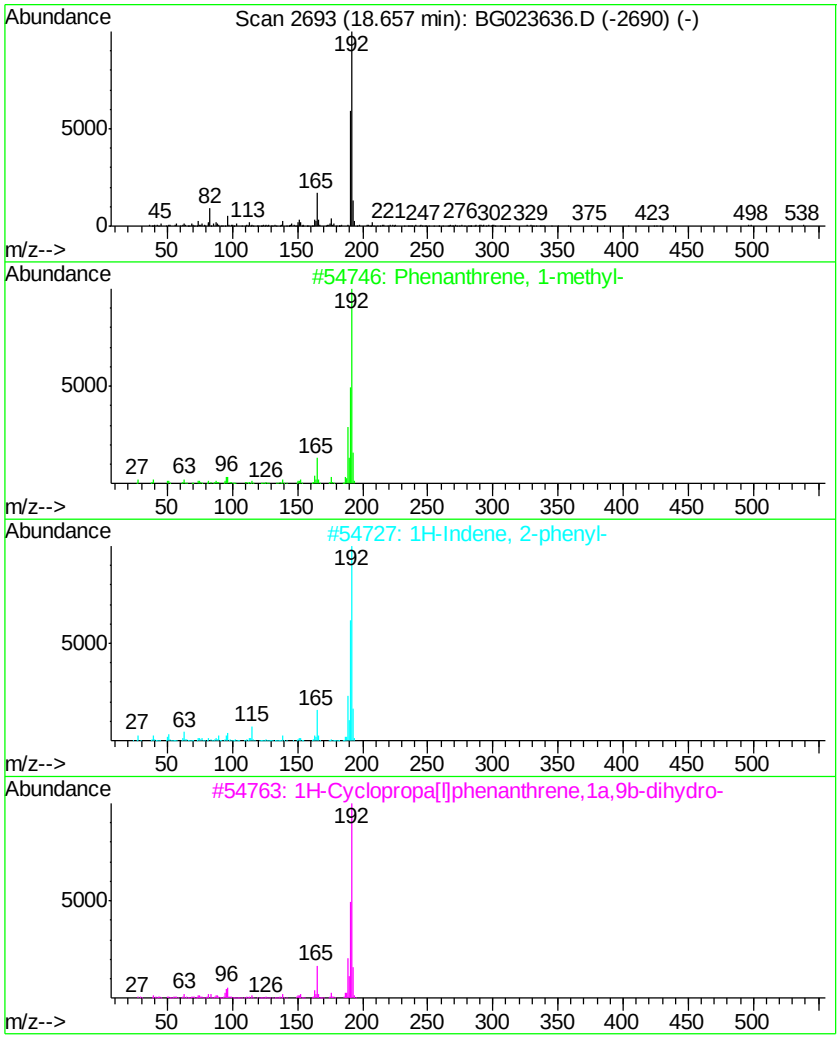
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

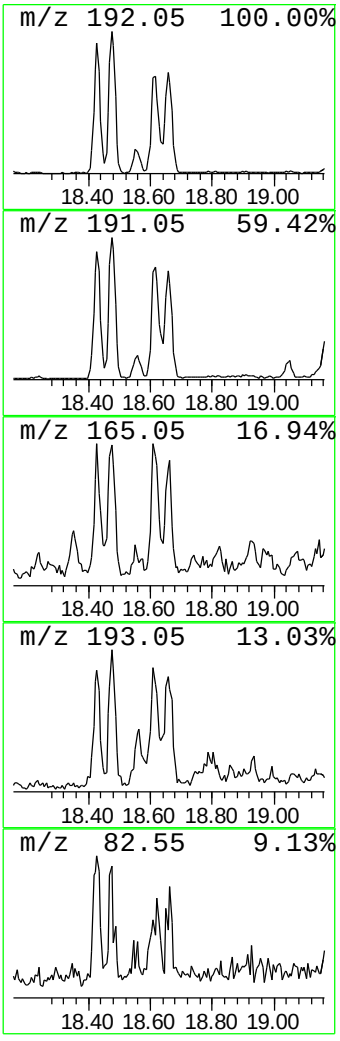
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.71 ng/ul	550987	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

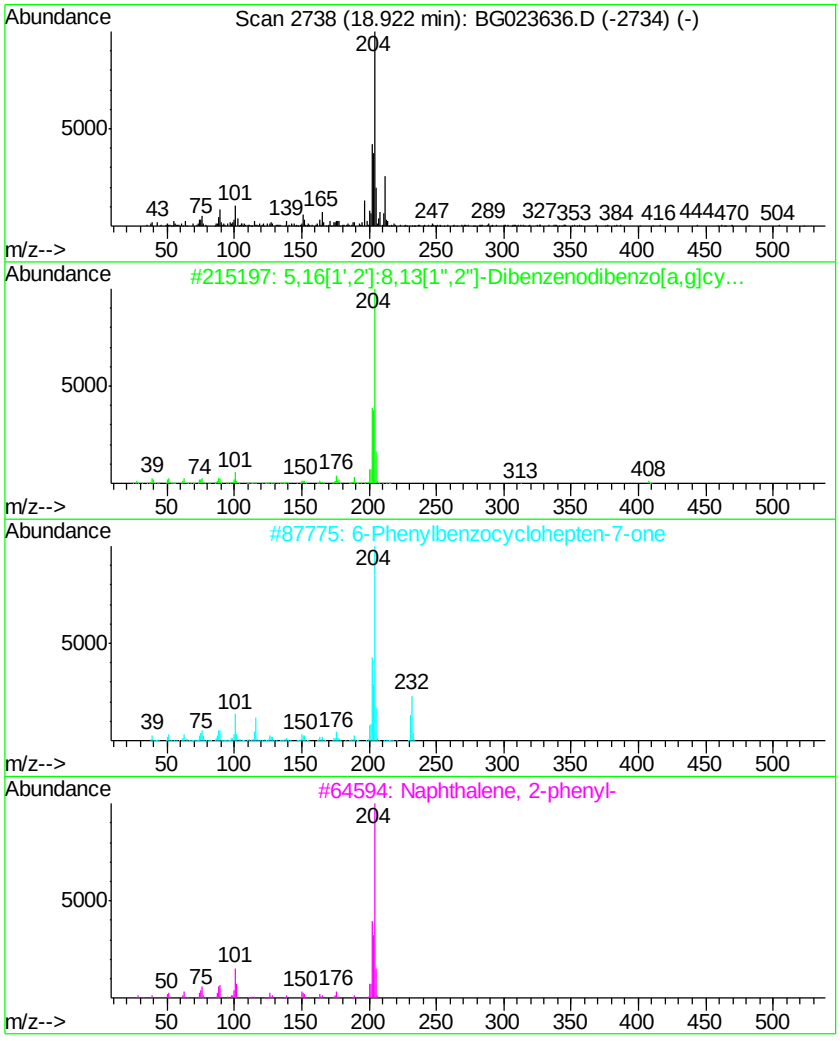
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

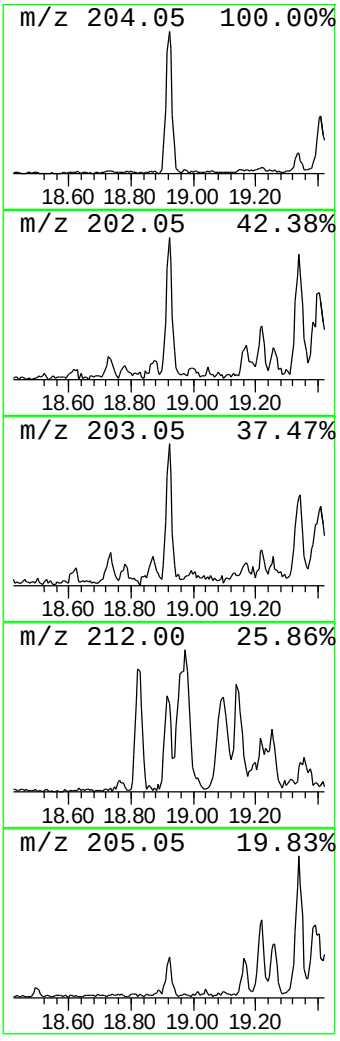
****

Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.29 ng/ul	340192	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

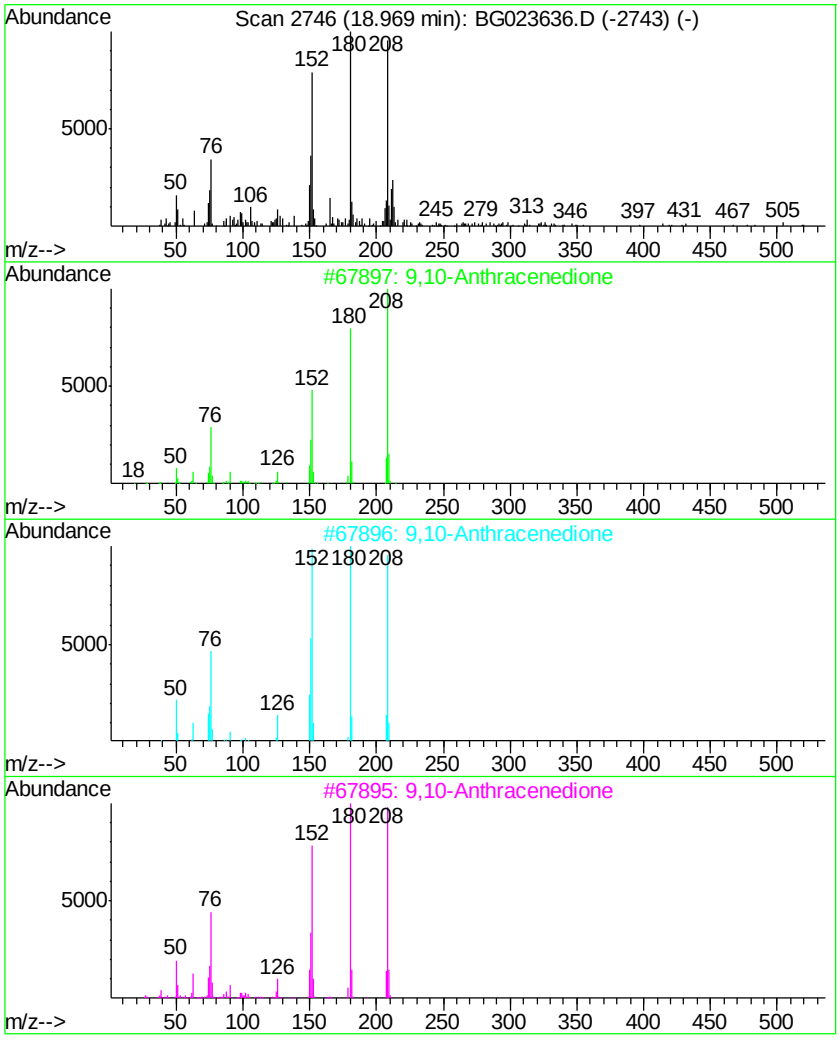
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

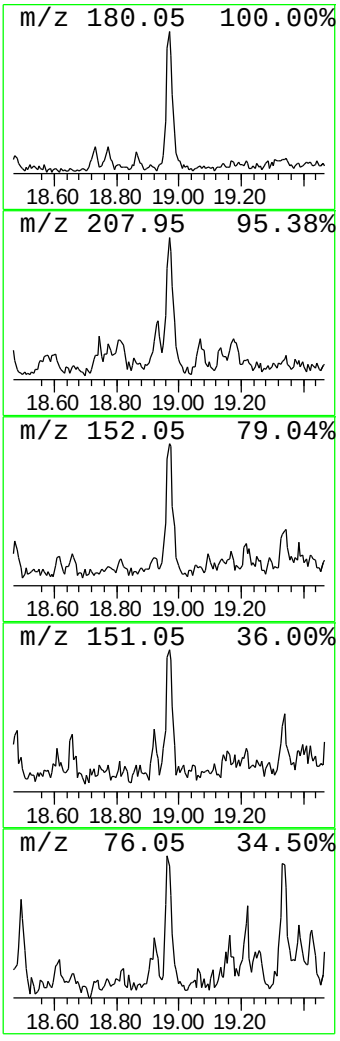
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.58 ng/ul	382565	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

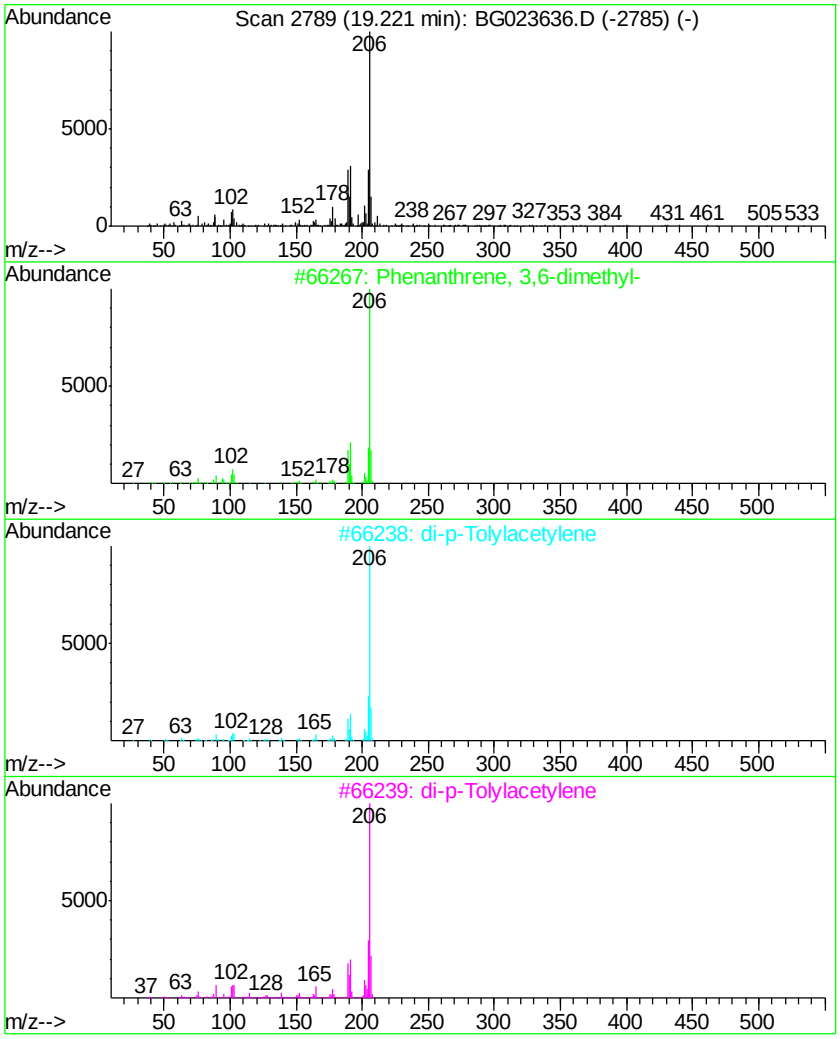
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

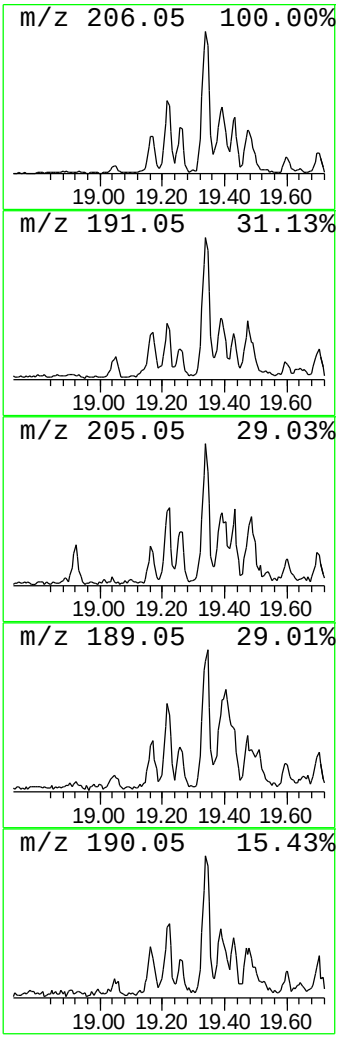
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.44 ng/ul	362644	Phenanthrene-d10	17.55

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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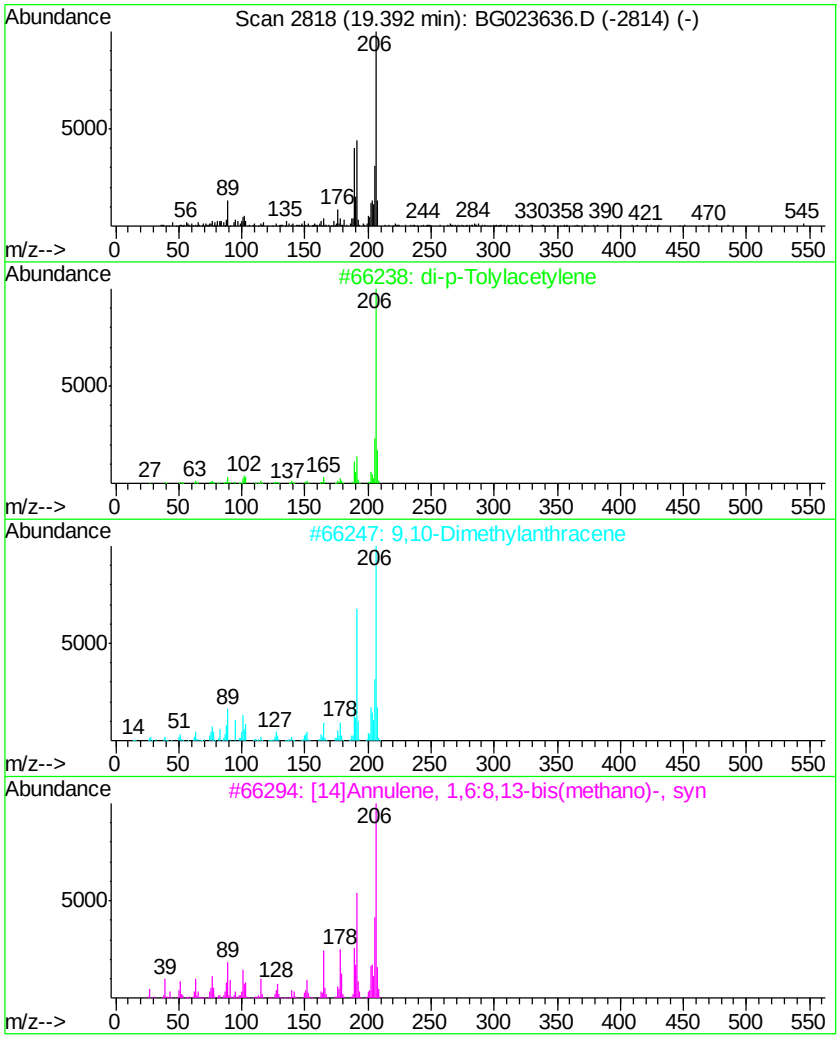
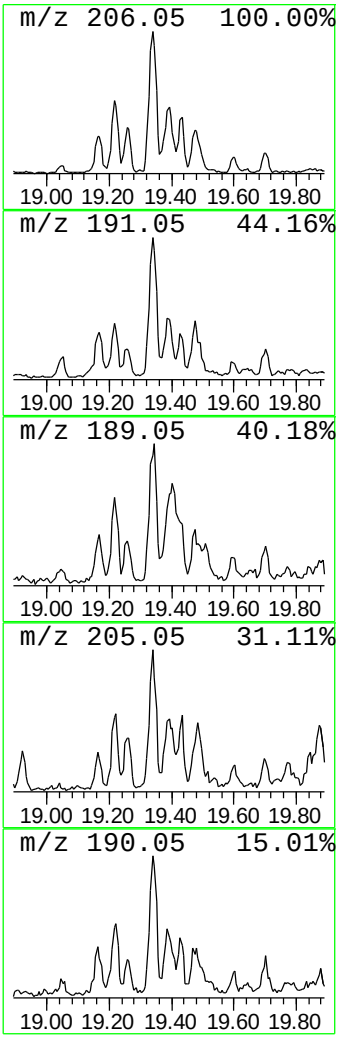
Peak Number 9 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.65 ng/ul	392850	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	76
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64





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Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

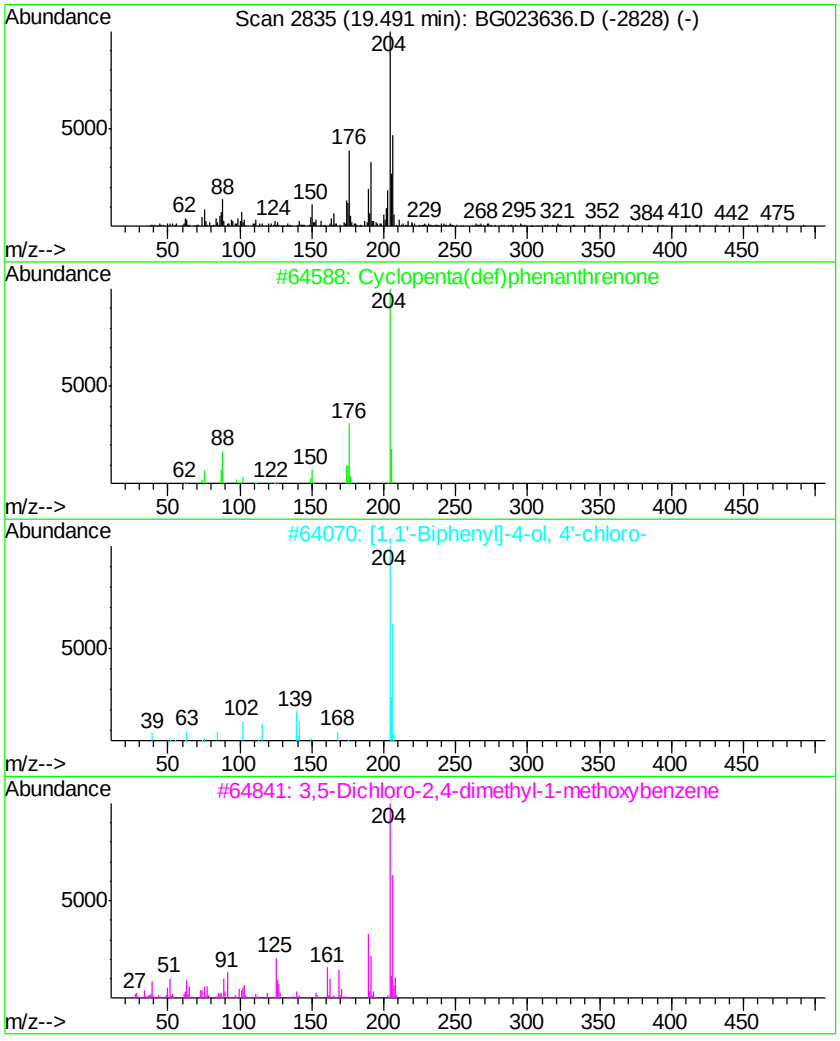
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

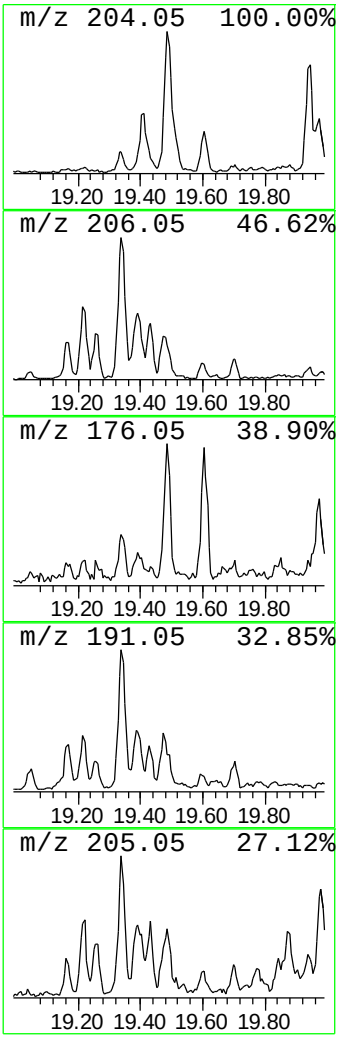
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	4.33 ng/ul	642507	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	47
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	42
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	41





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Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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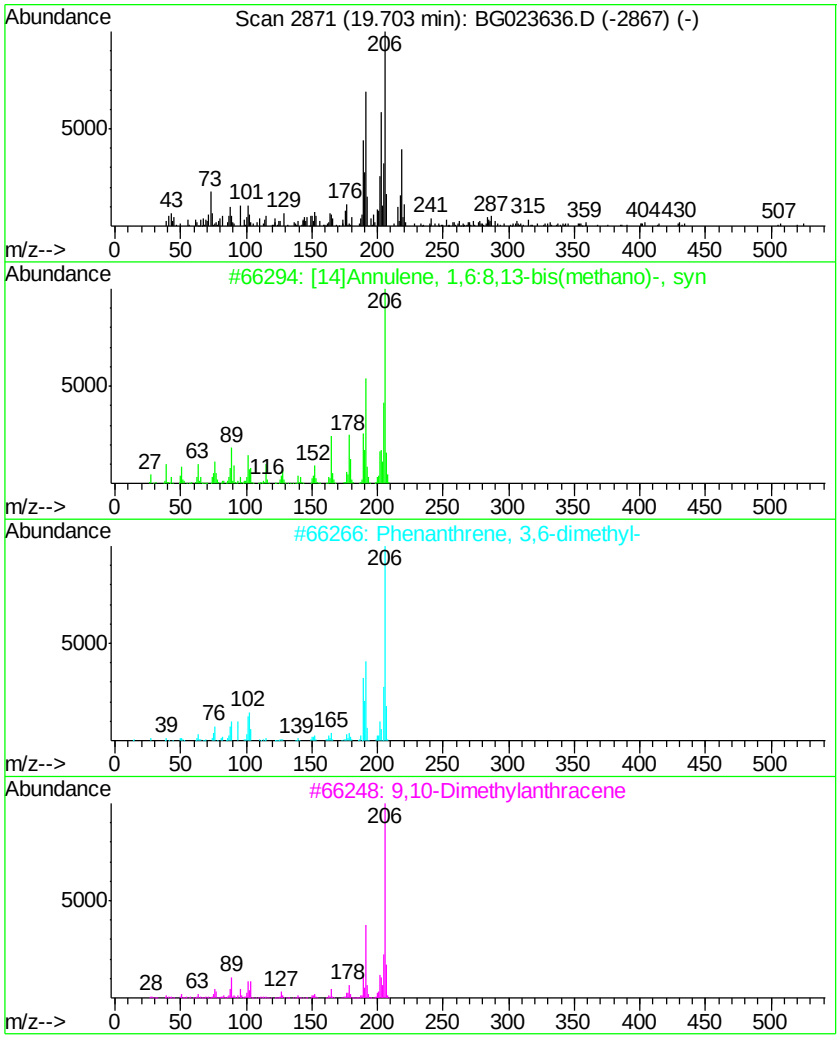
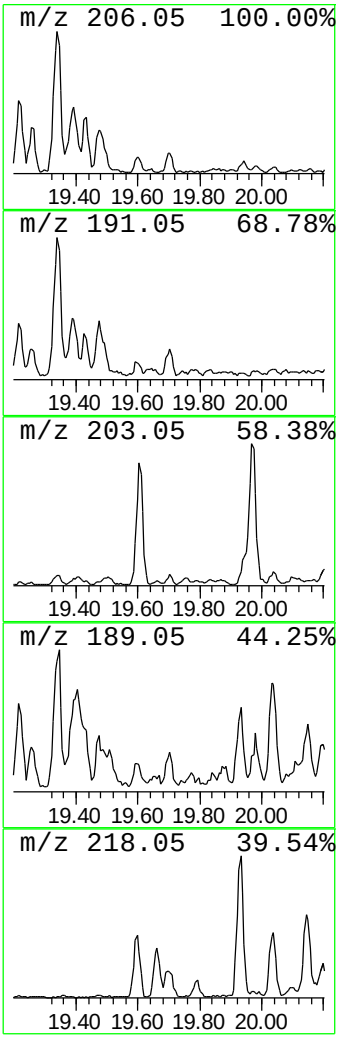
Peak Number 11 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.23 ng/ul	330371	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	78
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60





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Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

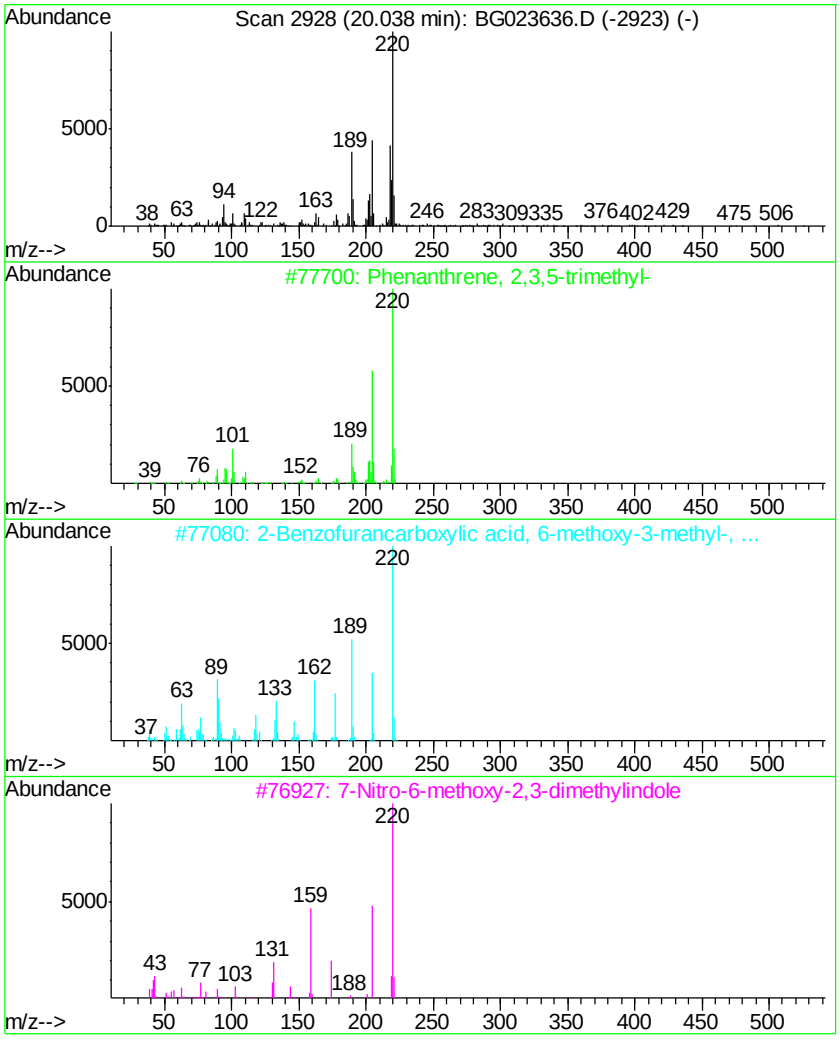
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

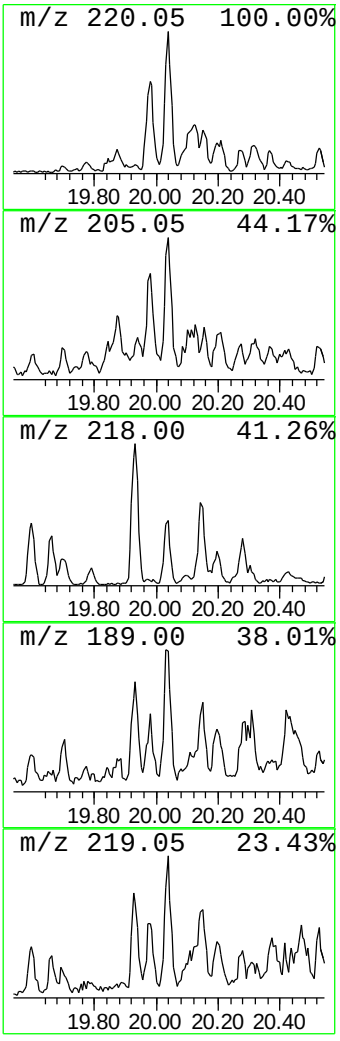
****

Peak Number 12 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.11 ng/ul	563391	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	53
2	2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	46
3	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	46
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	43
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	43





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Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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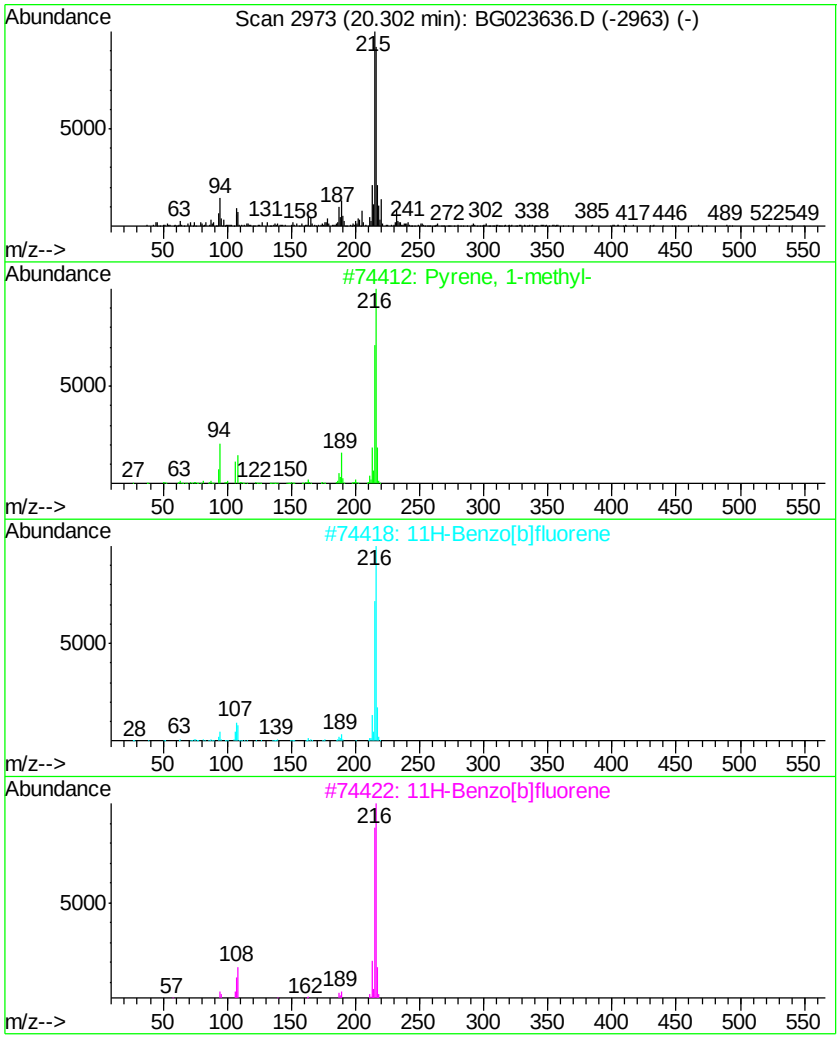
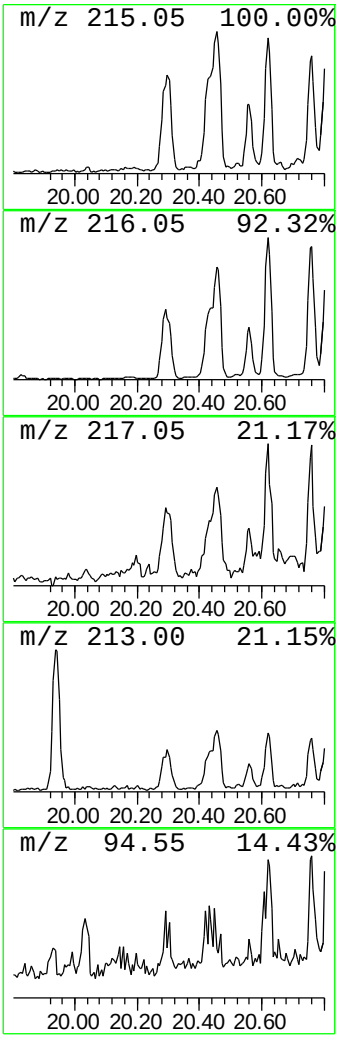
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	4.13 ng/ul	1103720	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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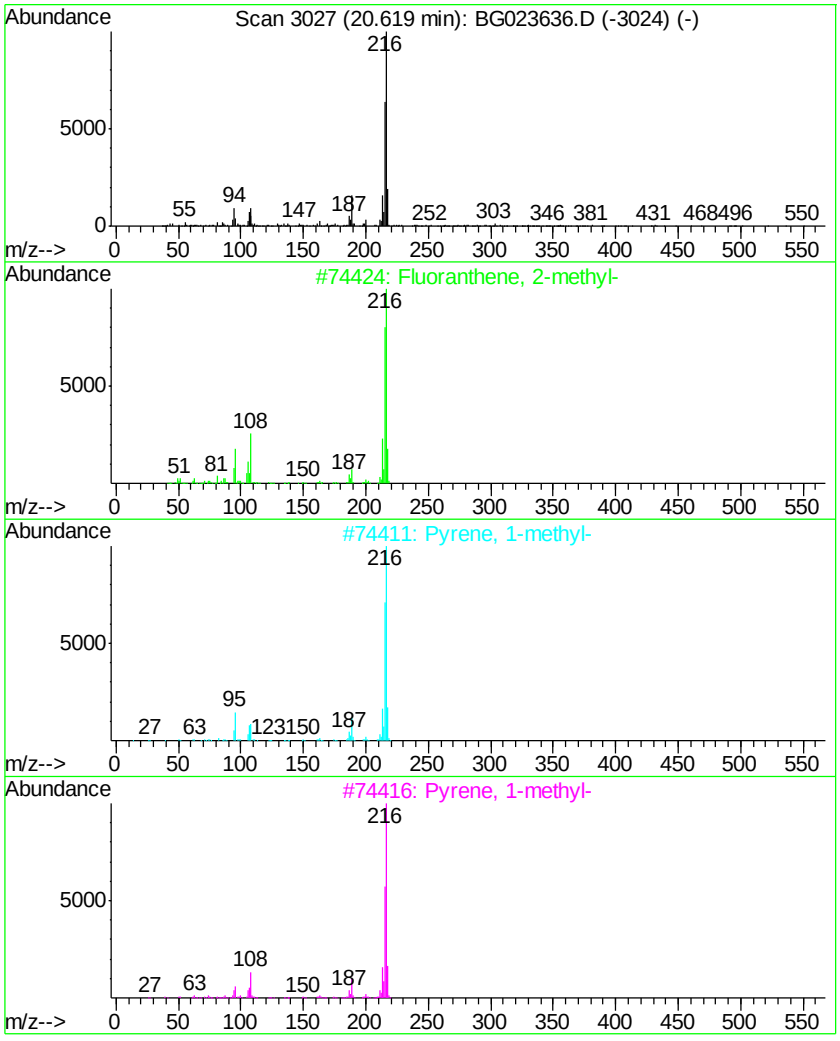
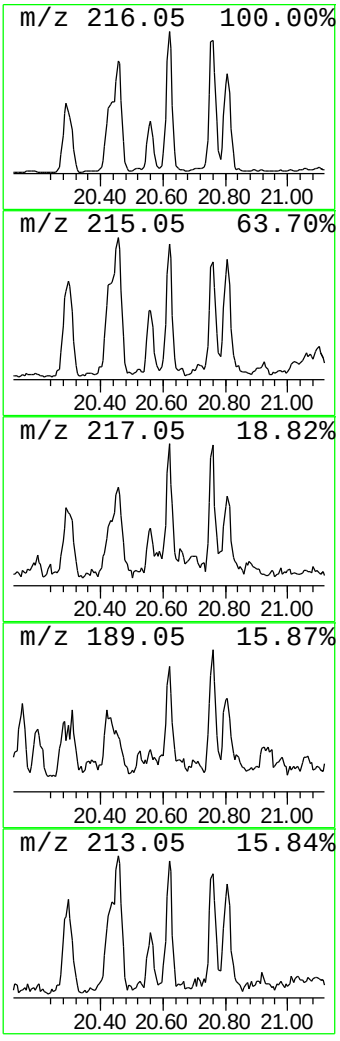
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.19 ng/ul	584792	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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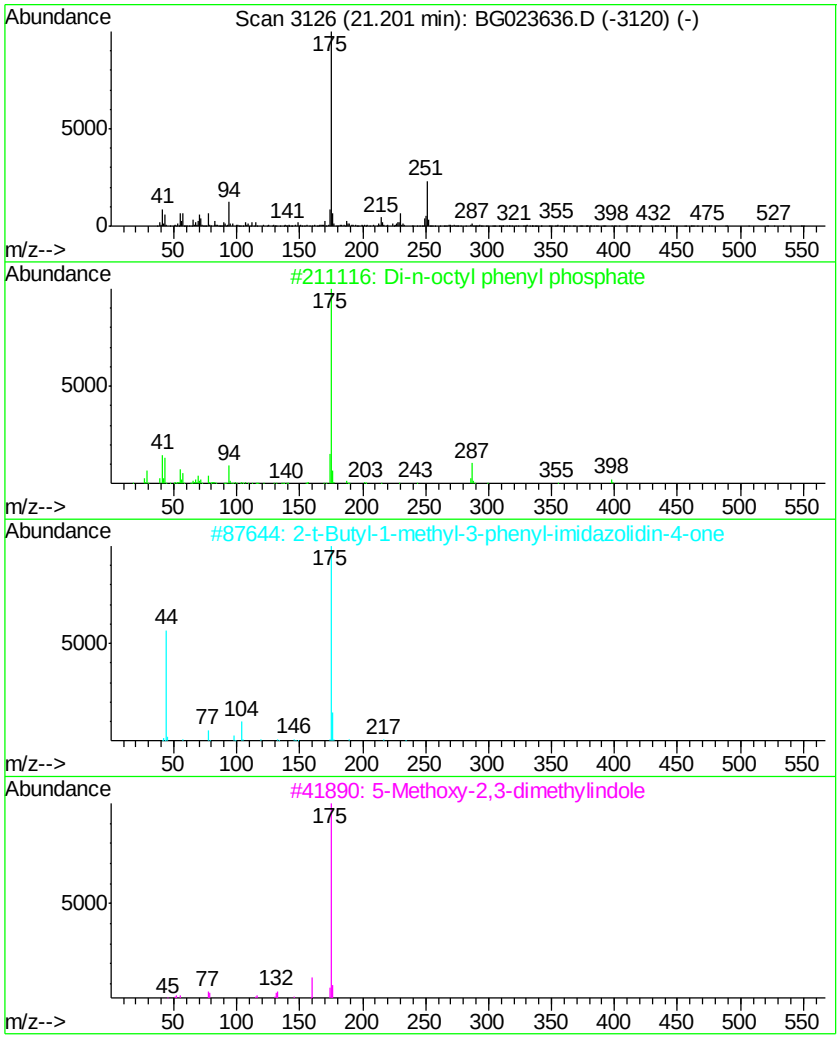
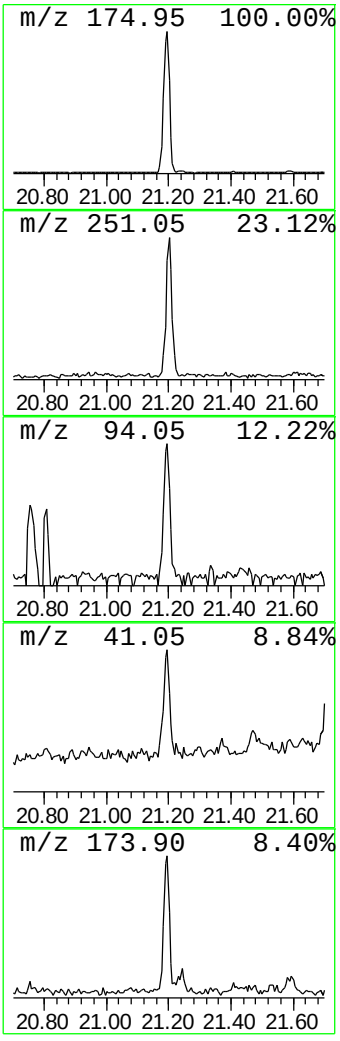
Peak Number 18 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	4.61 ng/ul	1231380	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-octyl phenyl phosphate	398	C22H39O4P	1000342-70-9	42
2	2-t-Butyl-1-methyl-3-phenyl-imid...	232	C14H20N2O	1000188-97-9	28
3	5-Methoxy-2,3-dimethylindole	175	C11H13NO	000828-94-4	9
4	5-Fluoro-4-chloro-2-dimethylamin...	175	C6H7ClFN3	1000070-49-0	9
5	Phosphoric acid, dibutyl phenyl ...	286	C14H23O4P	002528-36-1	9





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Operator : UM/SJ
Sample : H4360-19 2X
Misc :
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Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

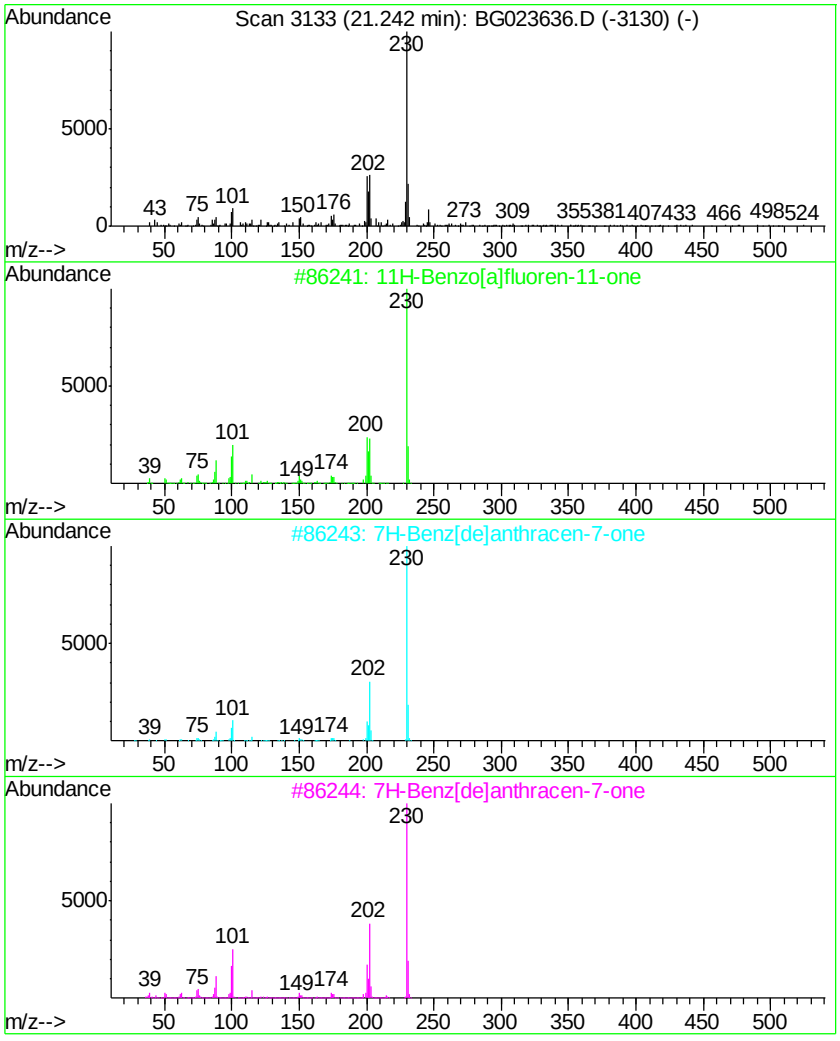
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

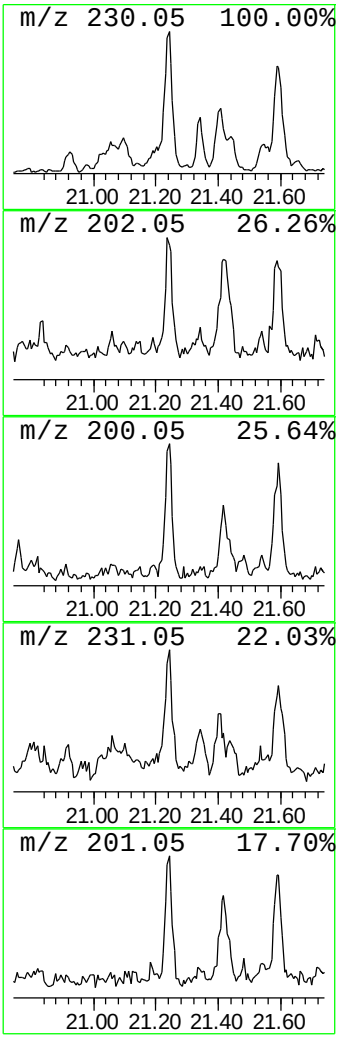
****

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	2.03 ng/ul	541453	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	58





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Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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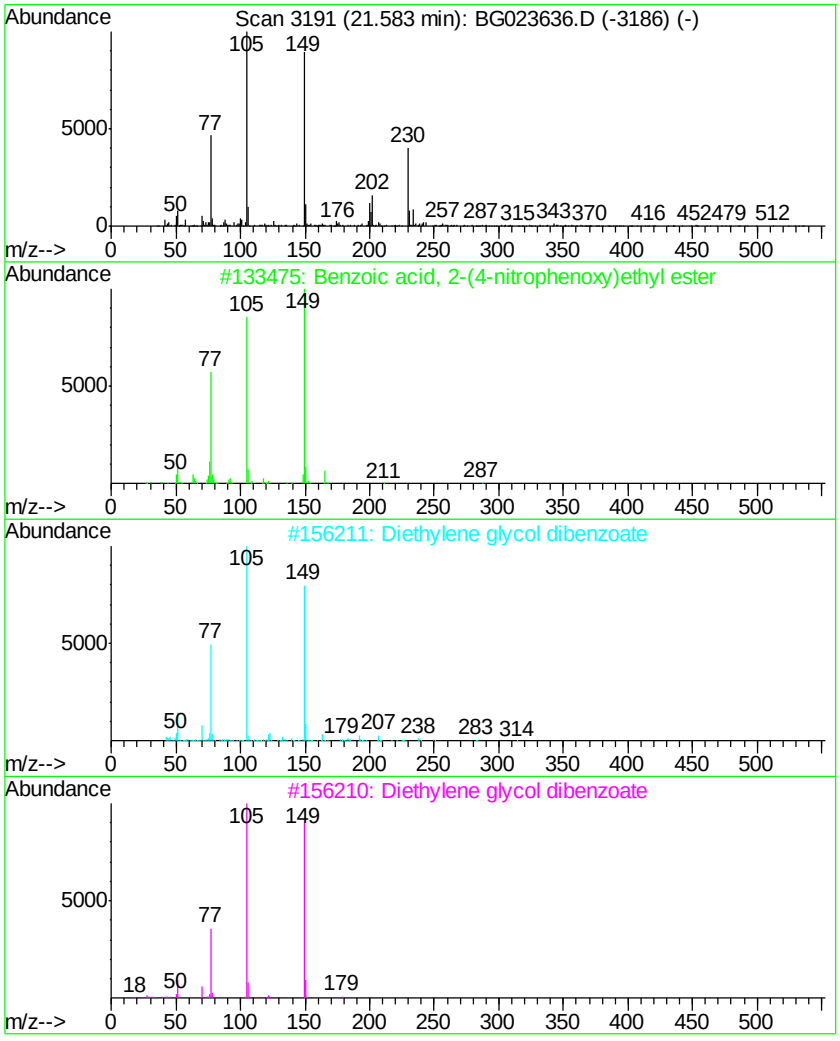
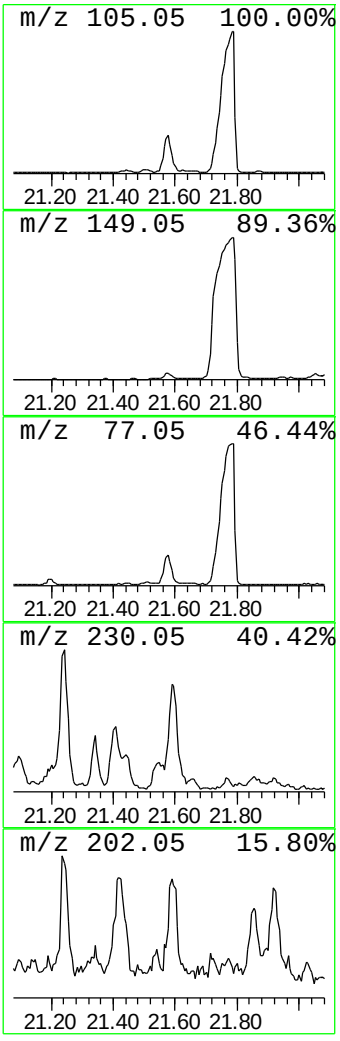
Peak Number 20 Benzoic acid, 2-(4-nitrophe... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	3.74 ng/ul	999817	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-(4-nitrophenoxy)...	287	C15H13NO5	1000368-92-7	64
2	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	53
3	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	53
4	Benzoic acid, 2-(2-chlorophenoxy...	276	C15H13ClO3	1000368-25-9	50
5	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	50





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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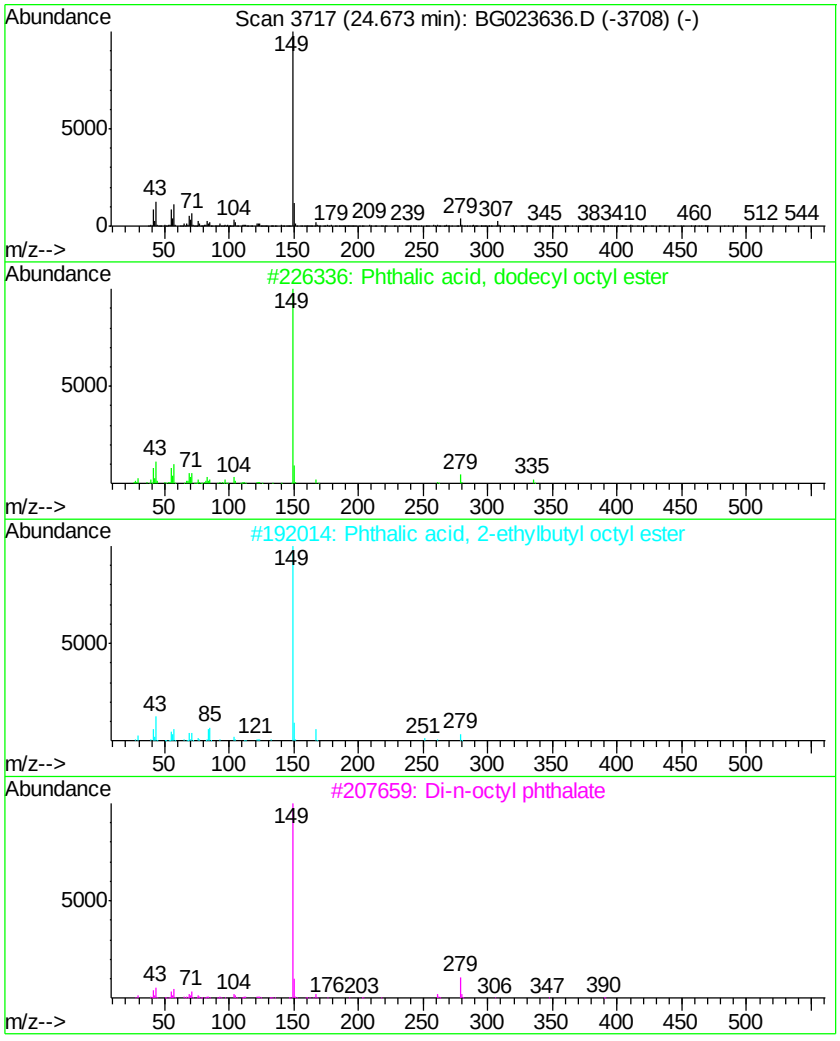
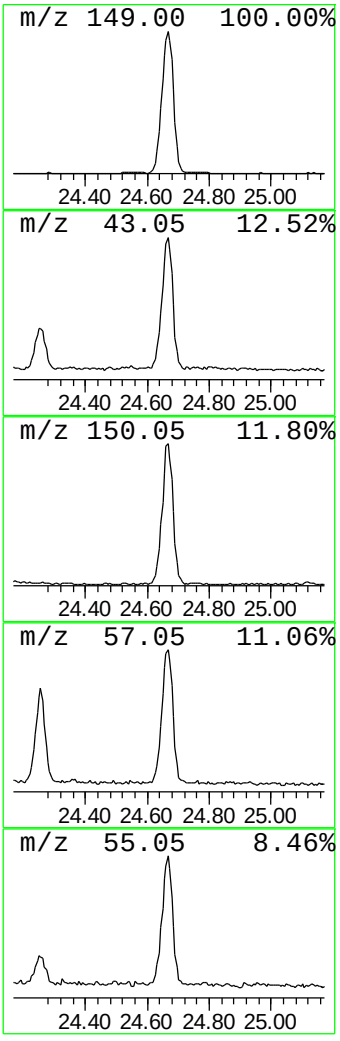
Peak Number 21 Phthalic acid, dodecyl octy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	51.96 ng/ul	7402130	Perylene-d12	25.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, dodecyl octyl ester	446	C28H46O4	1000308-91-7	87
2	Phthalic acid, 2-ethylbutyl octy...	362	C22H34O4	1000356-89-3	86
3	Di-n-octyl phthalate	390	C24H38O4	000117-84-0	86
4	Phthalic acid, 5-methylhex-2-yl ...	376	C23H36O4	1000371-08-6	86
5	1,2-Benzenedicarboxylic acid, is...	418	C26H42O4	001330-96-7	80





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Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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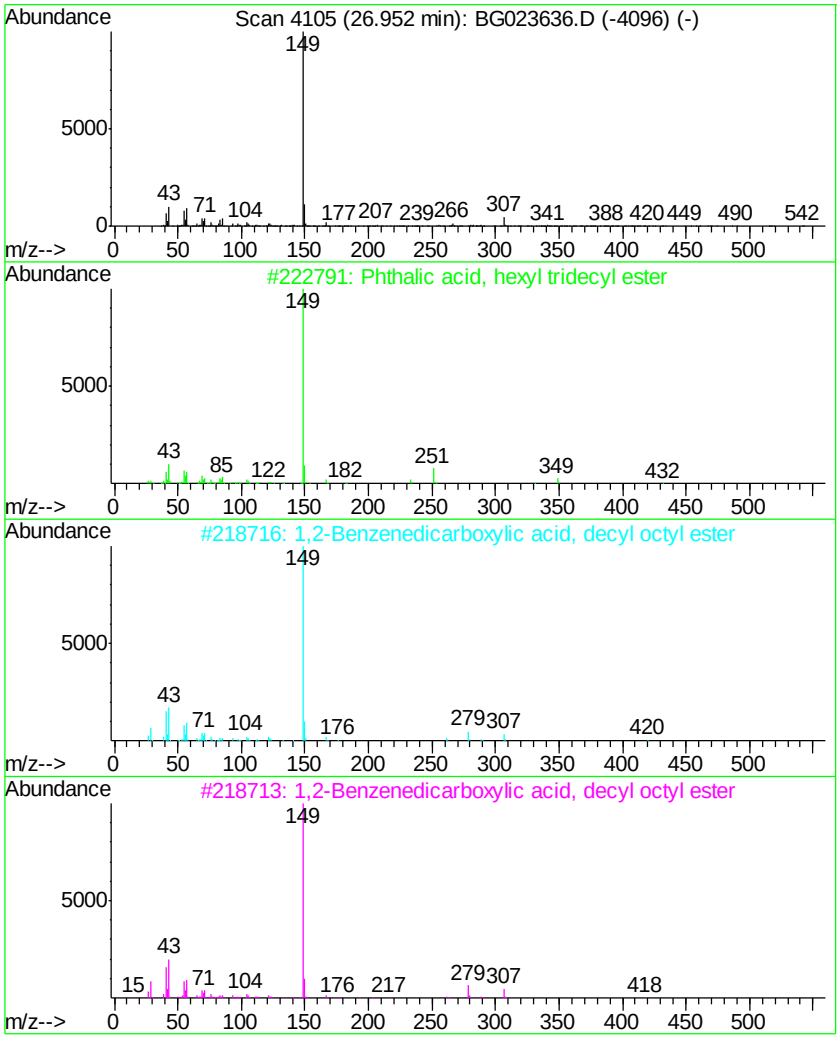
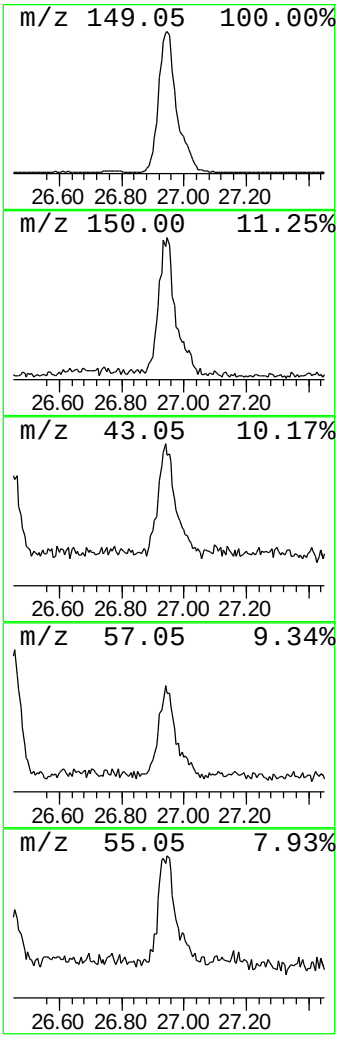
Peak Number 22 Phthalic acid, hexyl tridec... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.95	19.99 ng/ul	2848280	Perylene-d12	25.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hexyl tridecyl ester	432	C27H44O4	1000308-99-1	90
2	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	86
3	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	86
4	Phthalic acid, decyl nonyl ester	432	C27H44O4	1000308-89-8	86
5	Didodecyl phthalate	502	C32H54O4	002432-90-8	83





Tentatively Identified Compound (LSC) summary

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Data File : BG023636.D
Acq On : 12 Aug 2016 00:05
Operator : UM/SJ
Sample : H4360-19 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
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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
1-Hexanol, 2-ethyl-	8.16	6.1	ng/ul	325163	1	8.11	1067710	20.0
Phenanthrene, 2-m...	18.43	6.3	ng/ul	941779	4	17.55	2967380	20.0
Anthracene, 1-met...	18.62	6.2	ng/ul	920846	4	17.55	2967380	20.0
Phenanthrene, 1-m...	18.66	3.7	ng/ul	550987	4	17.55	2967380	20.0
5,16[1',2']:8,13[...	18.92	2.3	ng/ul	340192	4	17.55	2967380	20.0
9,10-Anthracenedione	18.97	2.6	ng/ul	382565	4	17.55	2967380	20.0
Phenanthrene, 3,6...	19.22	2.4	ng/ul	362644	4	17.55	2967380	20.0
di-p-Tolylacetylene	19.39	2.6	ng/ul	392850	4	17.55	2967380	20.0
Cyclopenta(def)ph...	19.49	4.3	ng/ul	642507	4	17.55	2967380	20.0
[14]Annulene, 1,6...	19.70	2.2	ng/ul	330371	4	17.55	2967380	20.0
Phenanthrene, 2,3...	20.04	2.1	ng/ul	563391	5	21.87	5341600	20.0
Pyrene, 1-methyl-	20.30	4.1	ng/ul	1103720	5	21.87	5341600	20.0
Fluoranthene, 2-m...	20.62	2.2	ng/ul	584792	5	21.87	5341600	20.0
unknown-01	21.20	4.6	ng/ul	1231380	5	21.87	5341600	20.0
11H-Benzo[a]fluor...	21.24	2.0	ng/ul	541453	5	21.87	5341600	20.0
Benzoic acid, 2-(...	21.58	3.7	ng/ul	999817	5	21.87	5341600	20.0
Phthalic acid, do...	24.67	52.0	ng/ul	7402130	6	25.28	2849410	20.0
Phthalic acid, he...	26.95	20.0	ng/ul	2848280	6	25.28	2849410	20.0