LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	3.802	25	36	55	rVB	326085	705186	0.20%	0.114%
2	4.560	156	165	186	rBV	2171969	3942066	1.11%	0.639%
3	5.083	246	254	265	rBV	2462674	4518466	1.27%	0.732%
4	5.987	400	408	426	rBV	722251	1617623	0.45%	0.262%
5	6.358	463	471	480	rVB	397448	770176	0.22%	0.125%
6	7.497	657	665	672	rVV3	167564	417180	0.12%	0.068%
7	8.244	781	792	803	rBV	3418500	6377188	1.79%	1.033%
8	8.385	803	816	824	rVV2	1043573	2261097	0.64%	0.366%
9	8.725	862	874	887	rBV	7552443	15840425	4.45%	2.566%
10	9.049	923	929	940	rBV	192939	375423	0.11%	0.061%
11	9.536	1003	1012	1021	rBV3	190899	489217	0.14%	0.079%
12	10.318	1126	1145	1172	rBV3	490959	2009454	0.56%	0.325%
13	10.858	1221	1237	1256	rBV5	78378	497420	0.14%	0.081%
14	11.258	1256	1305	1307	rBV8	28883909	355779716	100.00%	57.630%
15	11.346	1316	1320	1322	rBV	362808	463945	0.13%	0.075%
16	11.369	1322	1324	1340	rVB2	378563	664302	0.19%	0.108%
17	11.734	1353	1386	1393	rBV3	28188727	169308801	47.59%	27.425%
18	13.150	1616	1627	1629	rBV	1601577	2821633	0.79%	0.457%
19	13.191	1629	1634	1642	rVB	5497942	9382566	2.64%	1.520%
20	13.778	1721	1734	1748	rBV	2227726	3659564	1.03%	0.593%
21	14.348	1825	1831	1835	rBV	418735	650043	0.18%	0.105%
22	14.654	1875	1883	1894	rBV	445922	762429	0.21%	0.124%
23	14.959	1919	1935	1942	rBV2	405359	719081	0.20%	0.116%
24	15.946	2094	2103	2108	rBV	605645	1029446	0.29%	0.167%
25	17.709	2395	2403	2406	rBV	505590	833729	0.23%	0.135%
26	17.750	2406	2410	2415	rVV	459443	689250	0.19%	0.112%
27	17.803	2415	2419	2428	rVV	544399	894633	0.25%	0.145%
28	18.561	2543	2548	2555	rBV2	633465	1125438	0.32%	0.182%
29	19.119	2638	2643	2649	rVB	806262	1142090	0.32%	0.185%
30	19.360	2680	2684	2688	rBV2	255107	401527	0.11%	0.065%
31	19.477	2697	2704	2709	rBV2	532734	1131530	0.32%	0.183%
32	19.748	2745	2750	2755	rVB	700063	1122460	0.32%	0.182%
33	19.812	2756	2761	2769	rVV8	305372	650864	0.18%	0.105%
34	20.024	2793	2797	2802	rVB2	264342	452693	0.13%	0.073%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	20.083	2802	2807	2810	rBV2	820033	1456921	0.41%	0.236%
36	20.112	2810	2812	2818	rVV	849437	1104650	0.31%	0.179%
37	20.171	2818	2822	2828	rVV	450233	690403	0.19%	0.112%
38	20.506	2875	2879	2884	rBV3	235062	394412	0.11%	0.064%
39	20.559	2885	2888	2893	rVV2	314816	424781	0.12%	0.069%
40	20.970	2955	2958	2965	rVB	305074	477059	0.13%	0.077%
41	21.269	3004	3009	3016	rVB	554897	1016667	0.29%	0.165%
42	21.604	3060	3066	3077	rVB3	589748	1220272	0.34%	0.198%
43	22.045	3134	3141	3146	rBV	484442	915311	0.26%	0.148%
44	22.174	3157	3163	3171	rVB3	427938	972430	0.27%	0.158%
45	22.709	3248	3254	3260	rBV4	257350	505498	0.14%	0.082%
46	22.838	3271	3276	3285	rVB4	207789	444013	0.12%	0.072%
47	23.602	3398	3406	3416	rVB2	487234	1070172	0.30%	0.173%
48	23.743	3420	3430	3442	rVB2	1089061	3077798	0.87%	0.499%
49	23.978	3460	3470	3486	rVB	823632	2292120	0.64%	0.371%
50	24.160	3490	3501	3524	rVB2	747856	2294292	0.64%	0.372%
51	24.454	3544	3551	3555	rBV3	160720	411130	0.12%	0.067%
52	24.513	3557	3561	3583	rVB3	290144	884720	0.25%	0.143%
53	25.224	3674	3682	3691	rBV4	276218	856854	0.24%	0.139%
54	25.324	3691	3699	3707	rVV	279597	769331	0.22%	0.125%
55	25.564	3734	3740	3755	rVB2	307736	918918	0.26%	0.149%
56	27.586	4073	4084	4097	rVB4	285554	1142853	0.32%	0.185%
57	28.649	4258	4265	4281	rVB7	122282	503203	0.14%	0.082%

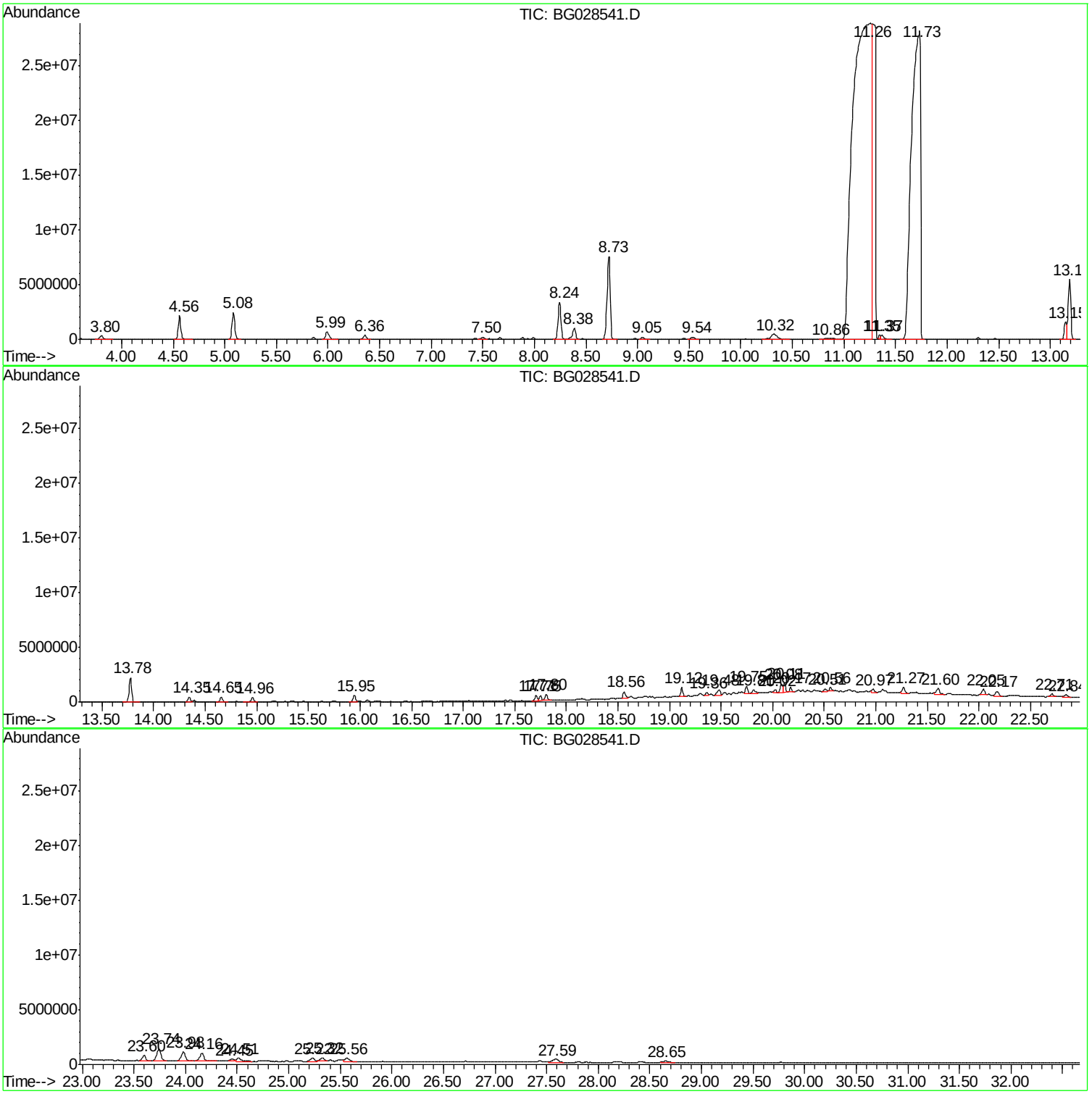
Sum of corrected areas: 617350469

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

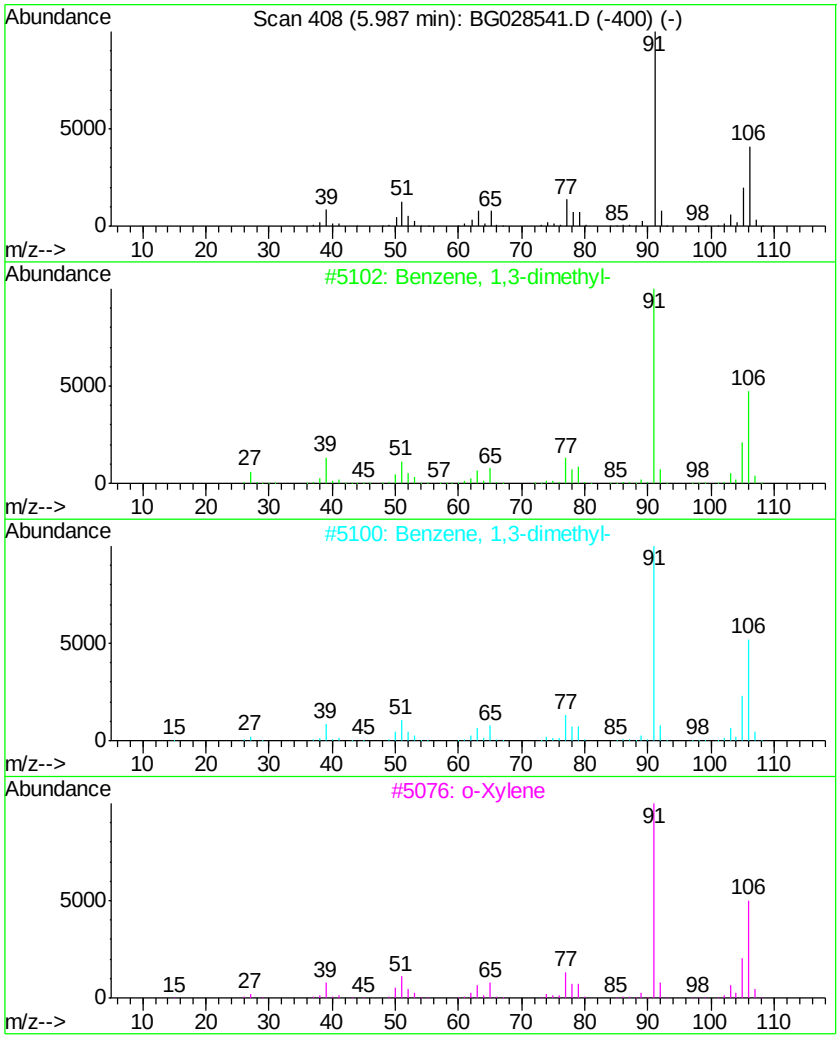
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

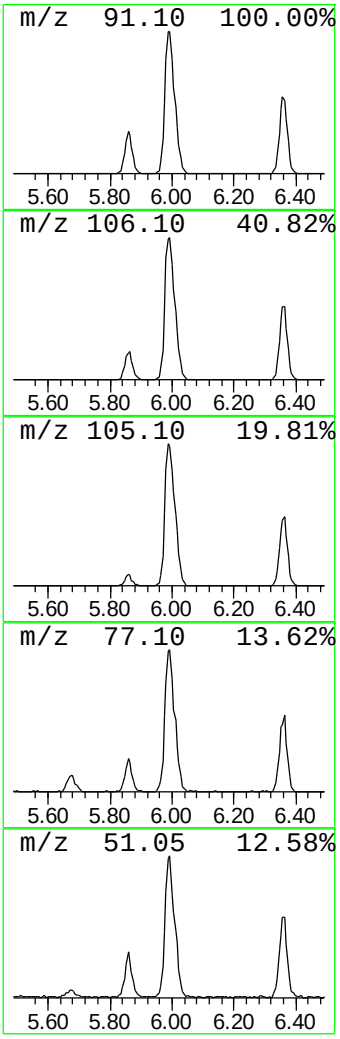
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	14.31 ng/ul	1617620	1,4-Dichlorobenzene-d4	8.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	p-Xylene	106	C8H10	000106-42-3	97
5	o-Xylene	106	C8H10	000095-47-6	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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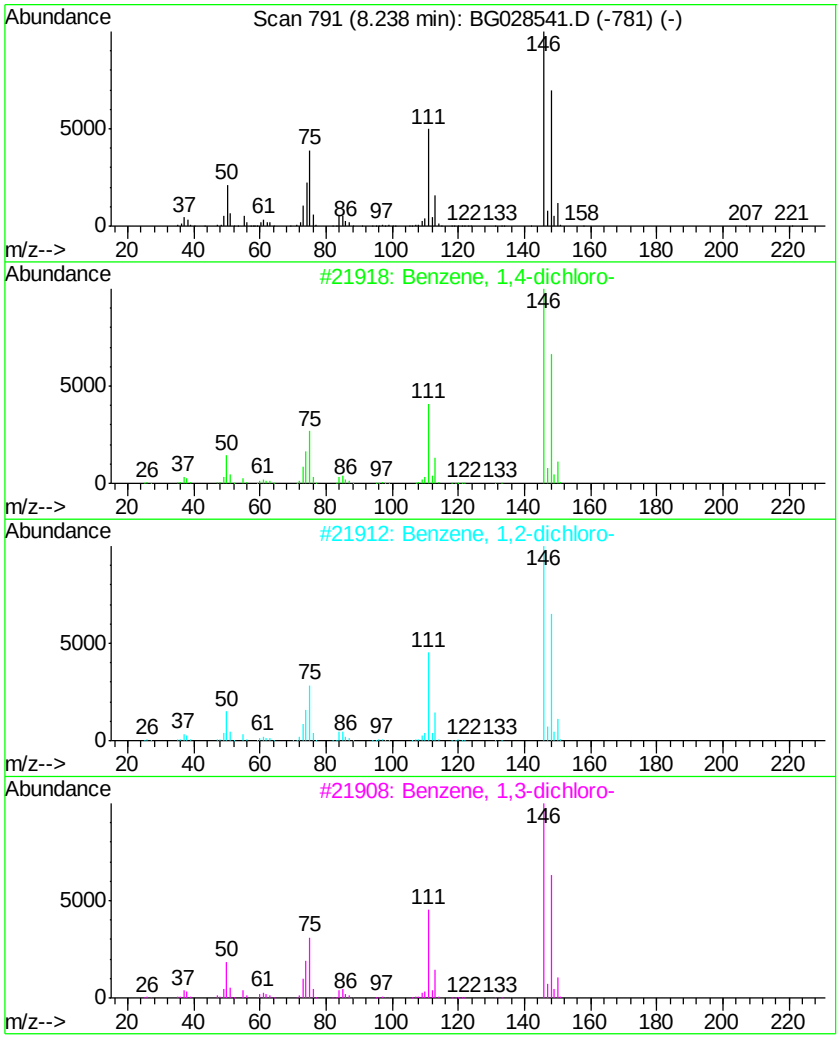
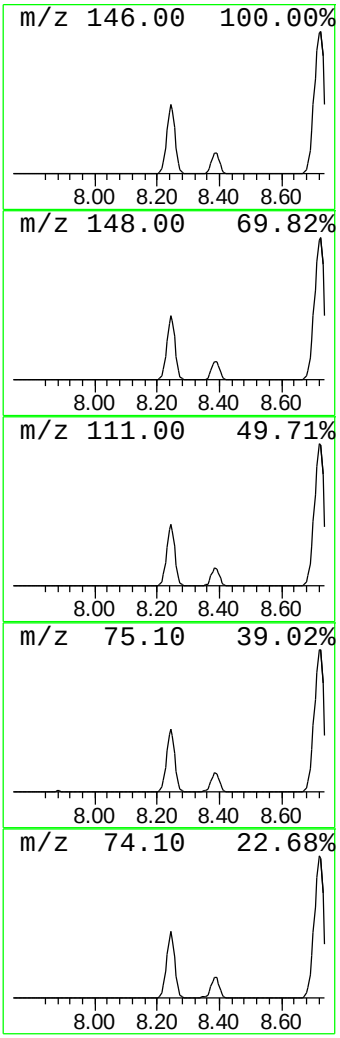
Peak Number 5 Benzene, 1,4-dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	56.41 ng/ul	6377190	1,4-Dichlorobenzene-d4	8.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	98
2	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	98
3	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	98
4	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	97
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

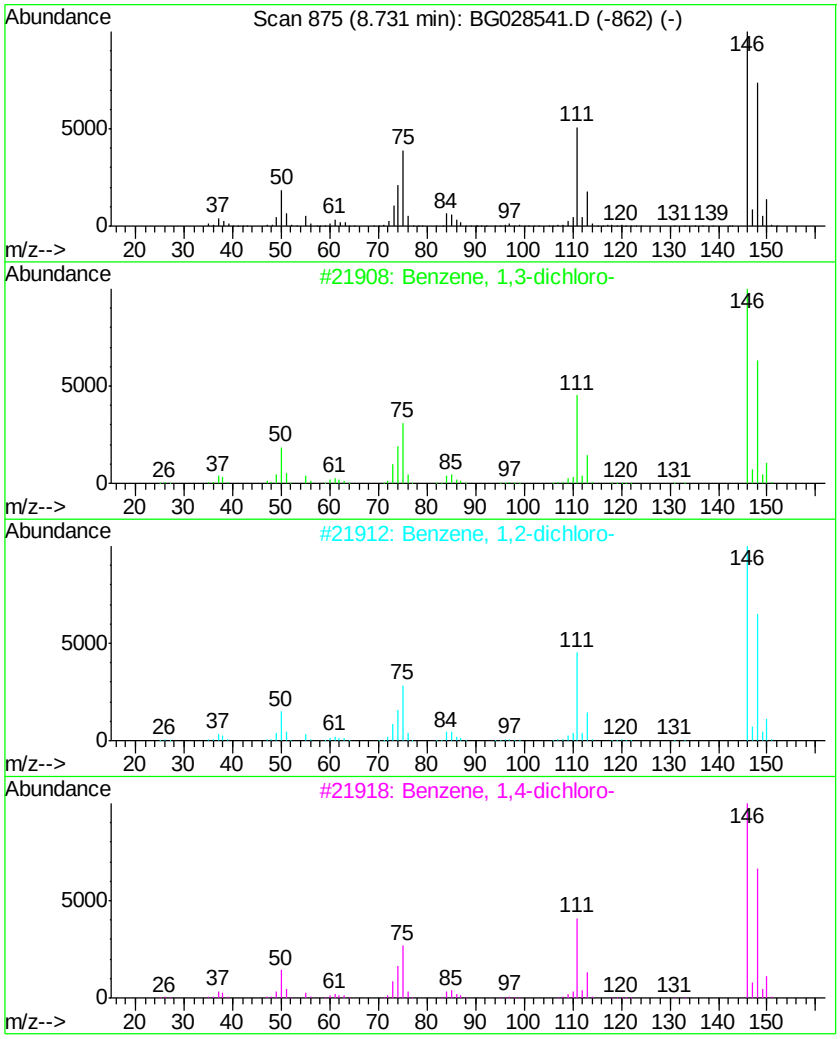
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

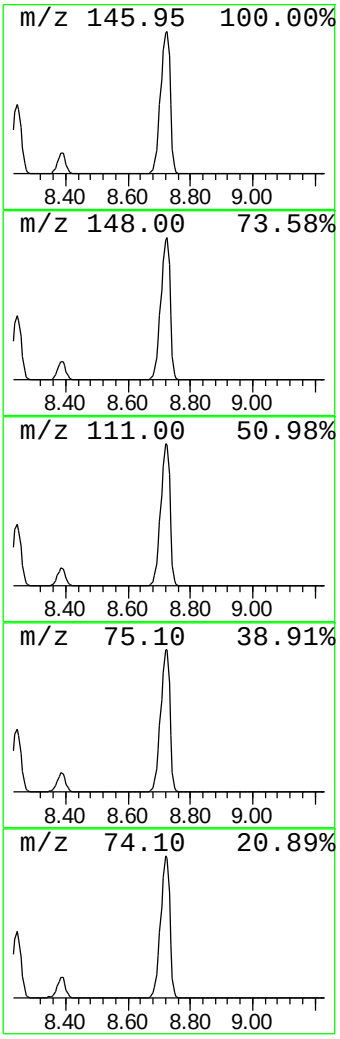
****

Peak Number 6 Benzene, 1,3-dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	140.11 ng/ul	15840400	1,4-Dichlorobenzene-d4	8.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	98
2	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	98
3	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	97
4	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	97
5	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

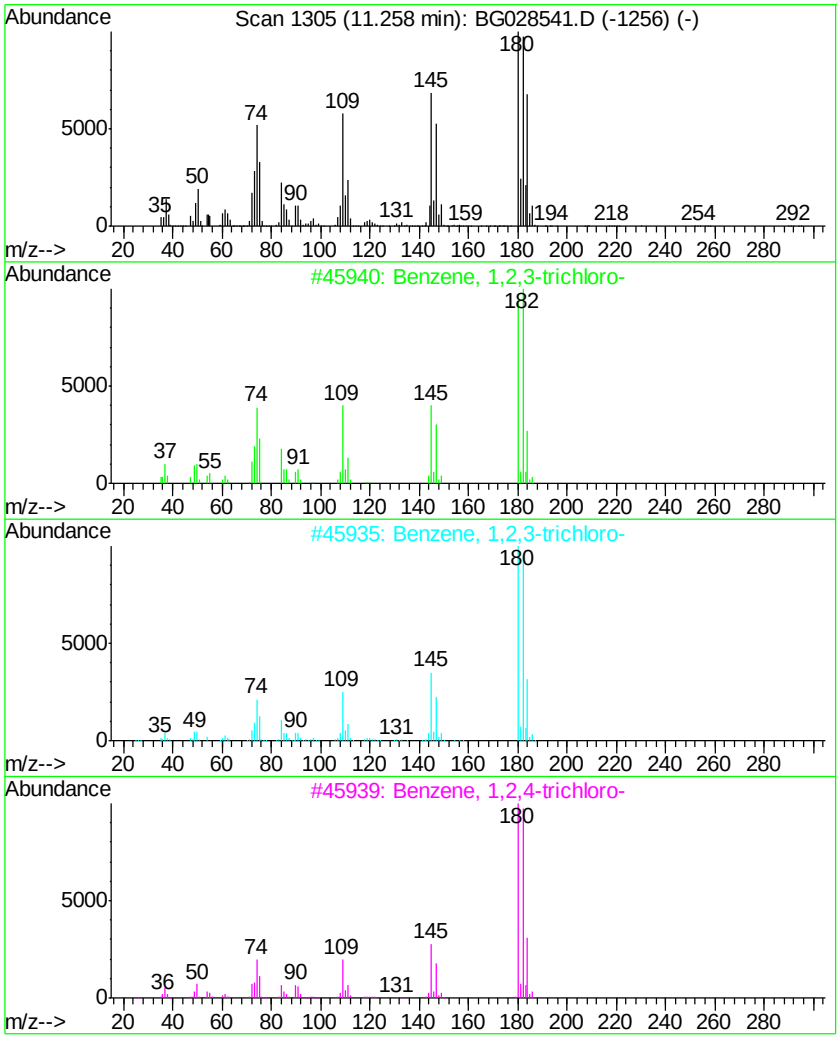
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

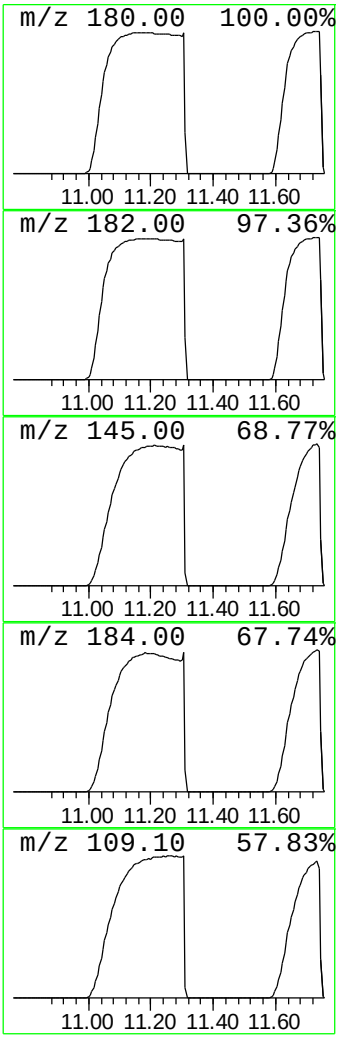
****

Peak Number 7 Benzene, 1,2,3-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	15337.20 ng/ul	355780000	Naphthalene-d8	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	96
2	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	94
3	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	89
4	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	89
5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
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Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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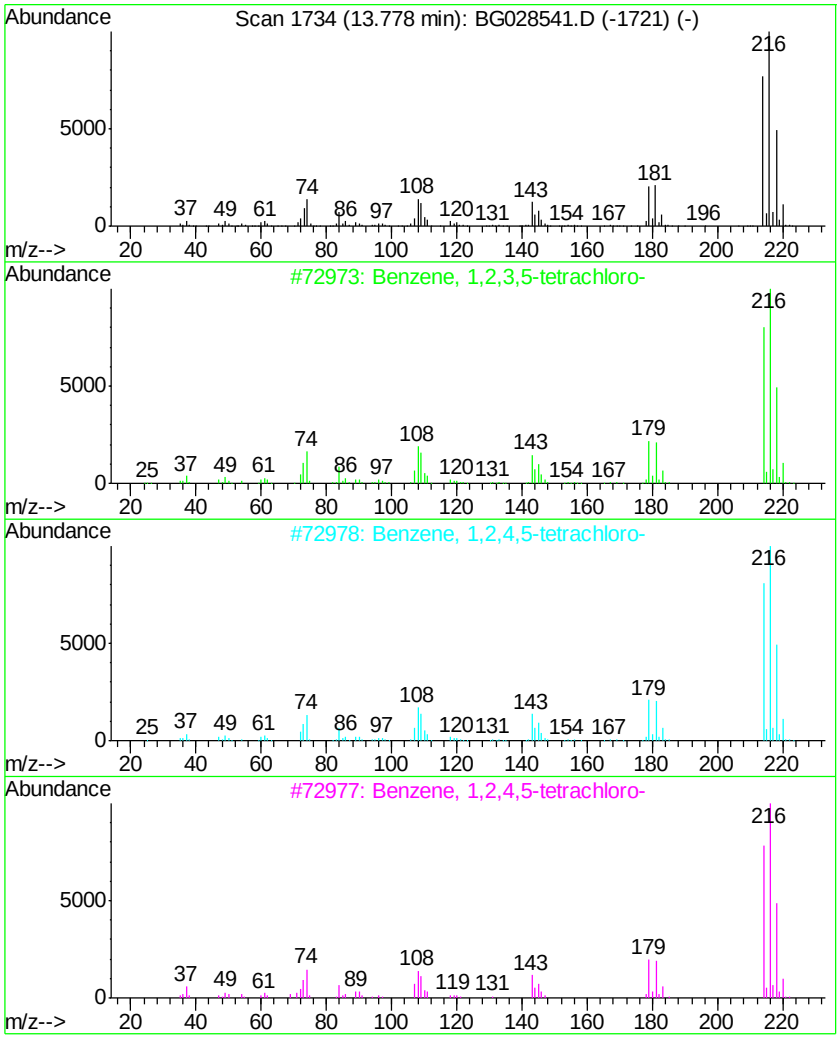
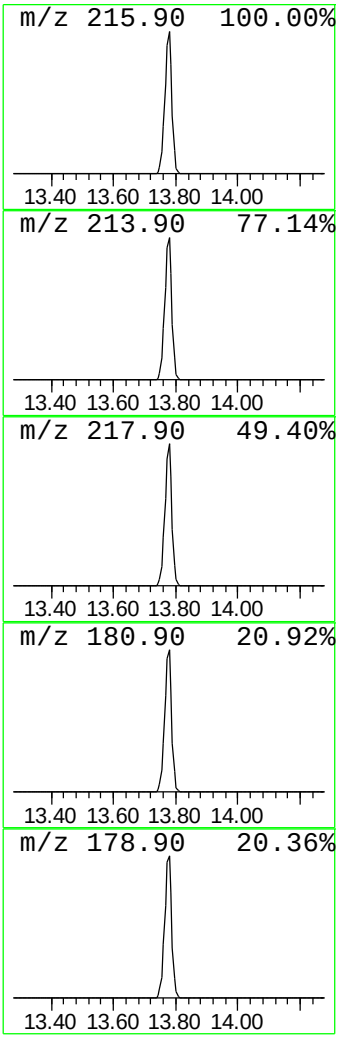
Peak Number 9 Benzene, 1,2,3,5-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	101.78 ng/ul	3659560	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	99
2	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	99
3	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	99
4	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	98
5	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	98





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Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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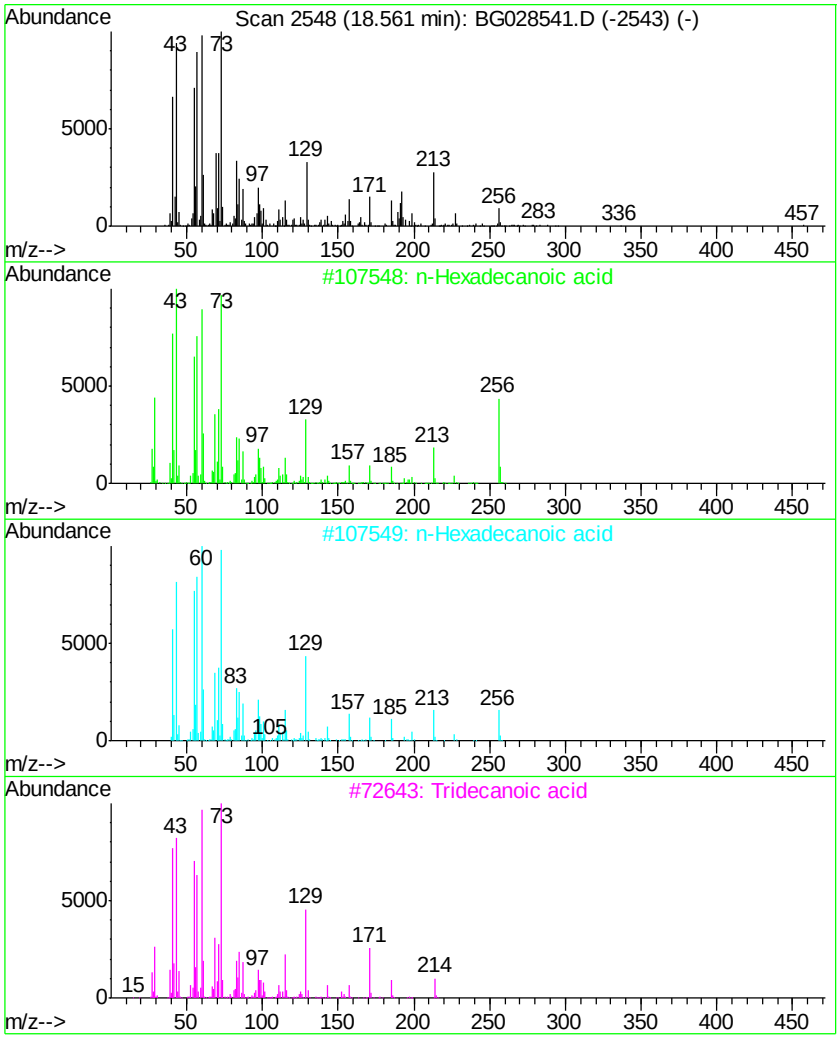
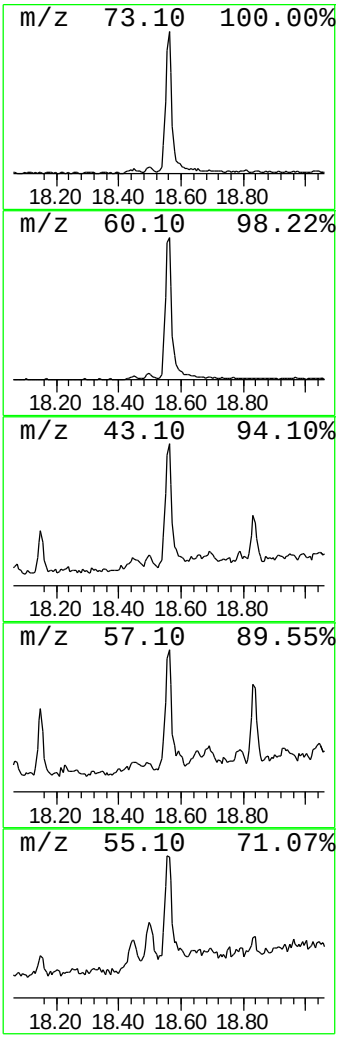
Peak Number 10 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	27.00 ng/ul	1125440	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5	Octadecanoic acid	284	C18H36O2	000057-11-4	81





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Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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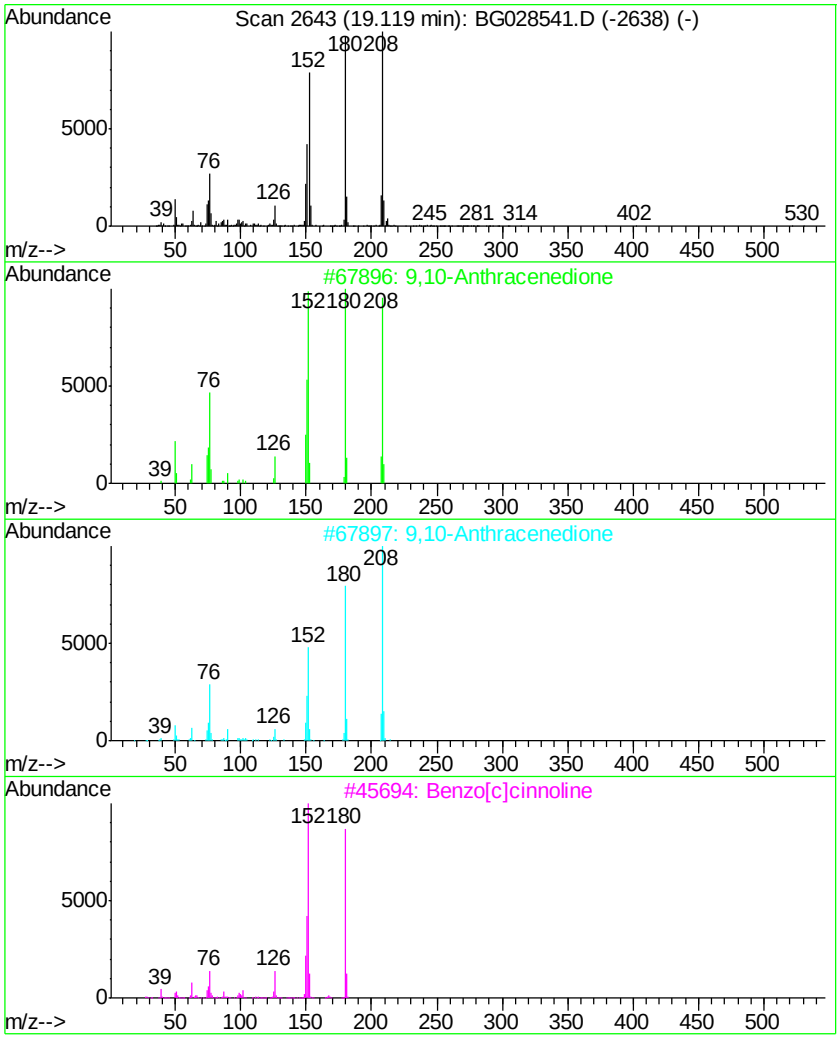
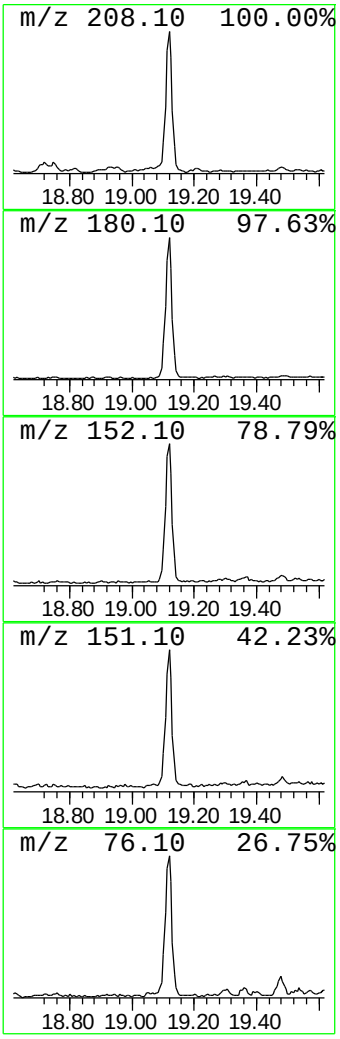
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	27.40 ng/ul	1142090	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86





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Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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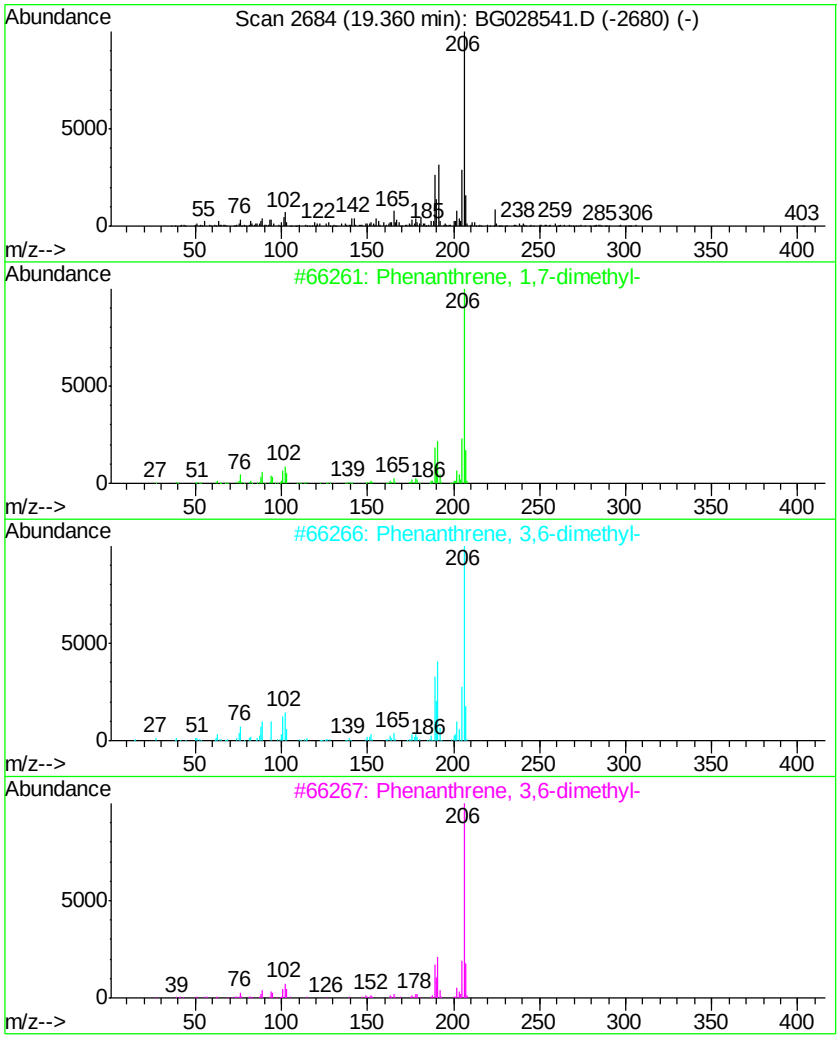
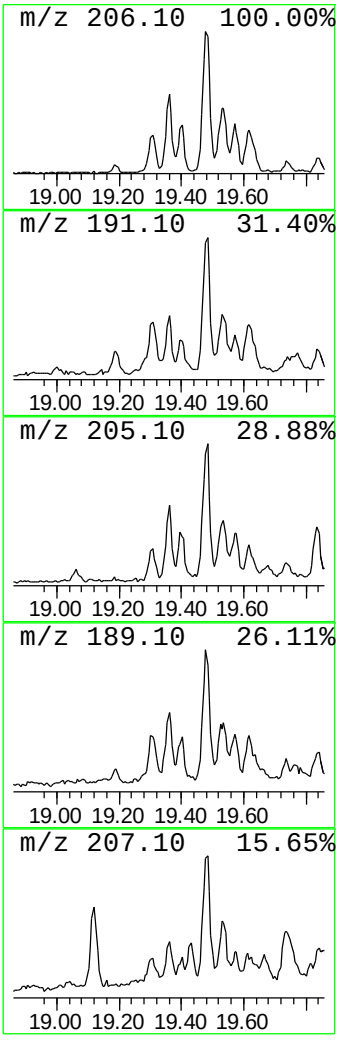
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	9.63 ng/ul	401527	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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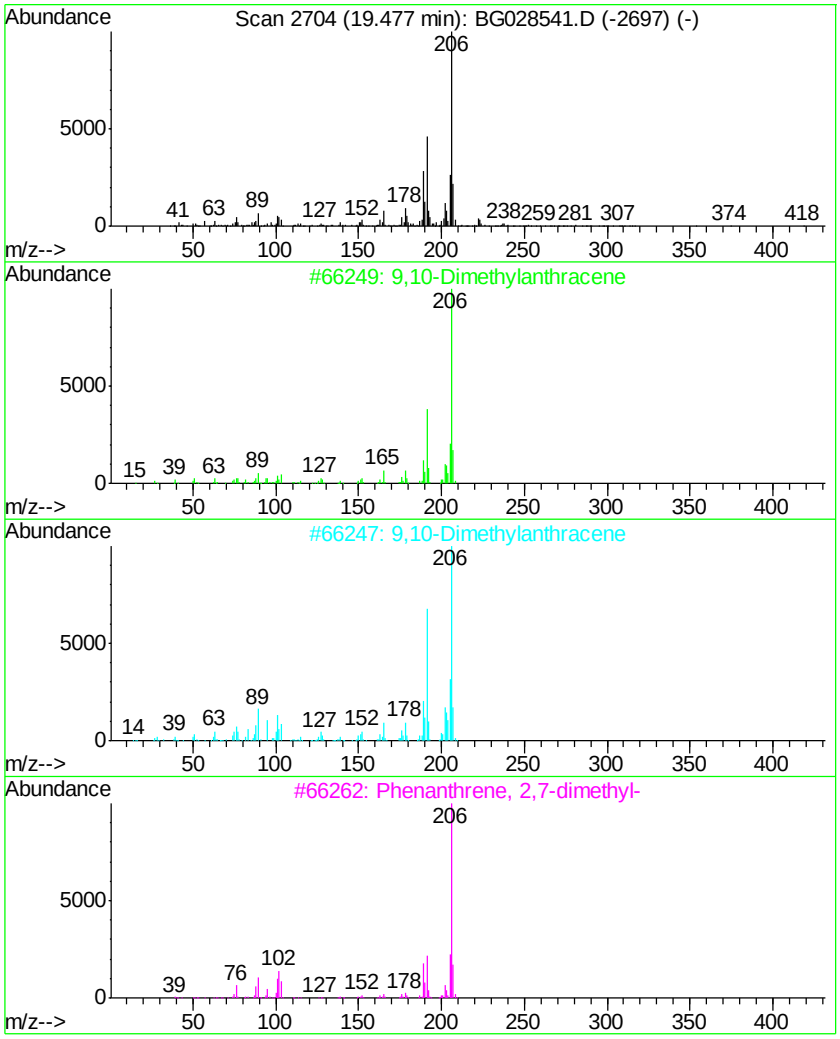
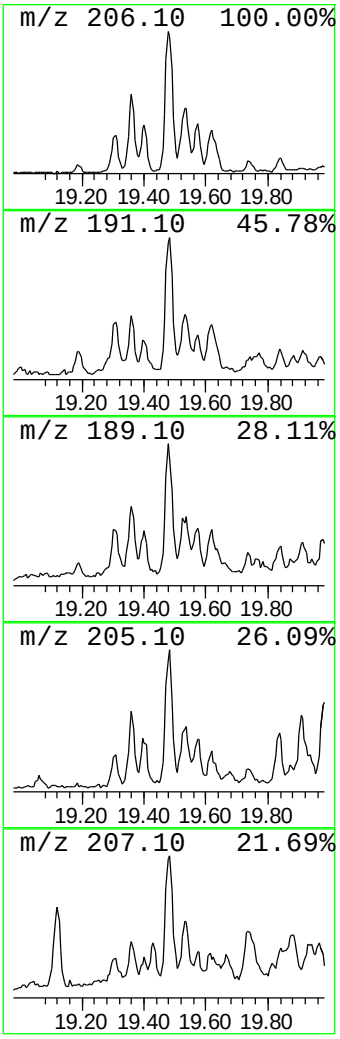
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	27.14 ng/ul	1131530	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Library Search Compound Report

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Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 14 Octadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	15.61 ng/ul	650864	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Octadecanoic acid	284	C18H36O2	000057-11-4	96
3	Octadecanoic acid	284	C18H36O2	000057-11-4	78
4	Octadecanoic acid	284	C18H36O2	000057-11-4	78
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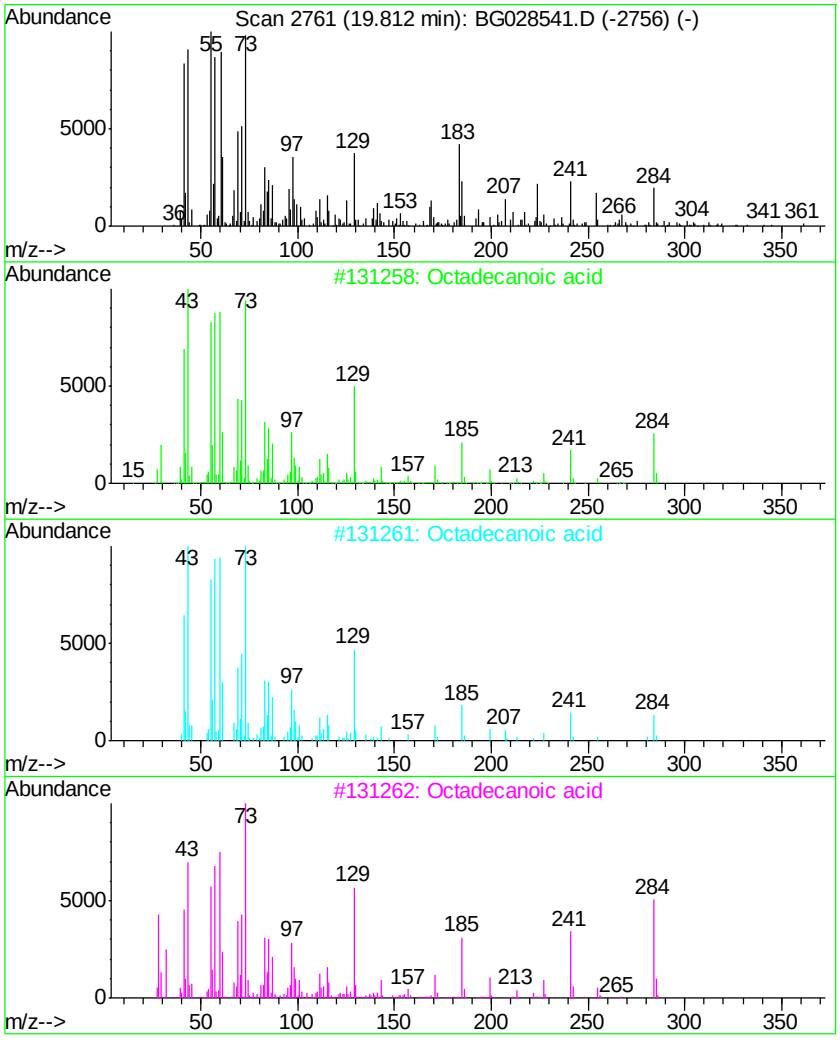

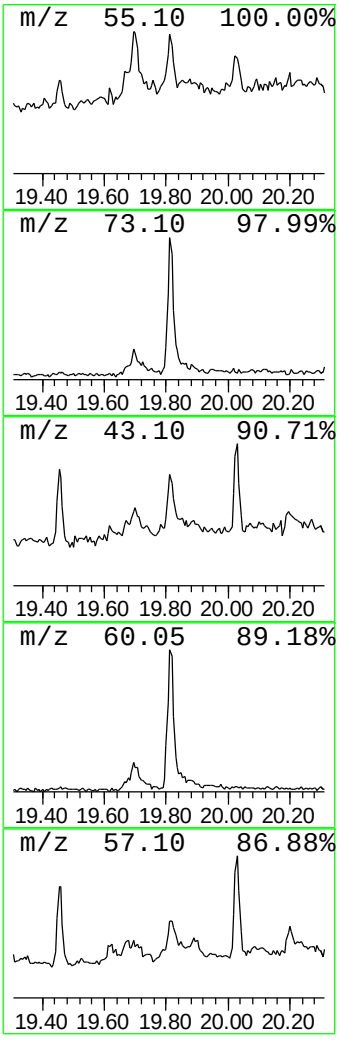

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Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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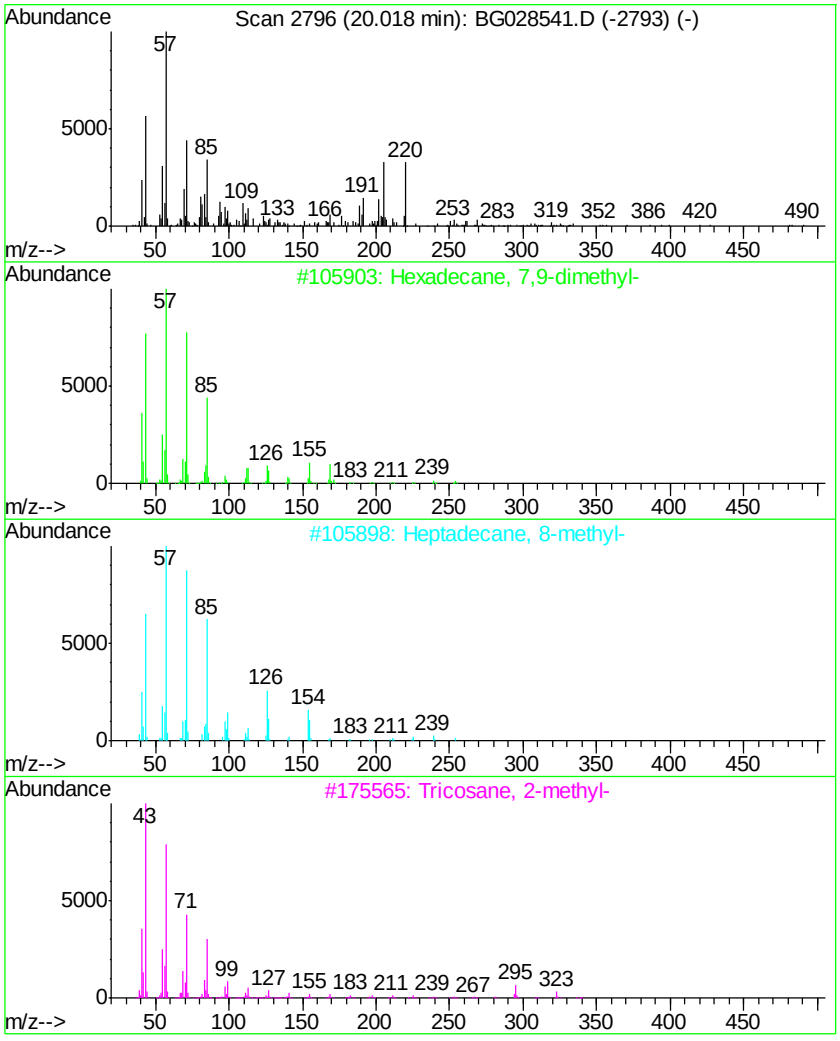
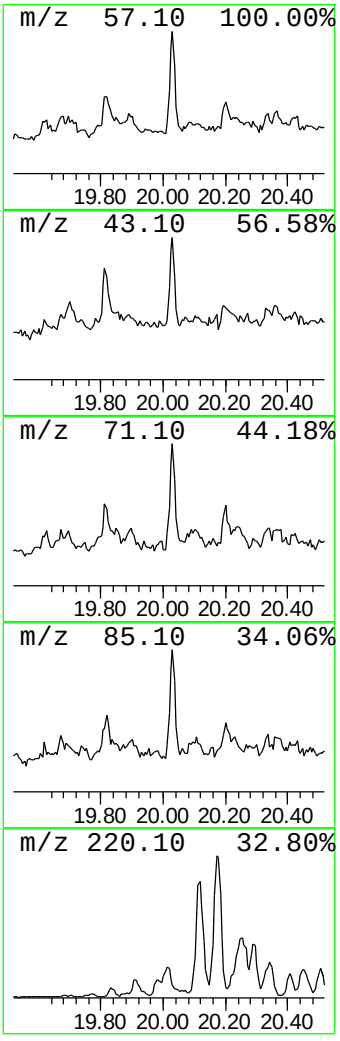
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	9.89 ng/ul	452693	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	64
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	64
4	Octacosane	394	C28H58	000630-02-4	62
5	Eicosane	282	C20H42	000112-95-8	58





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Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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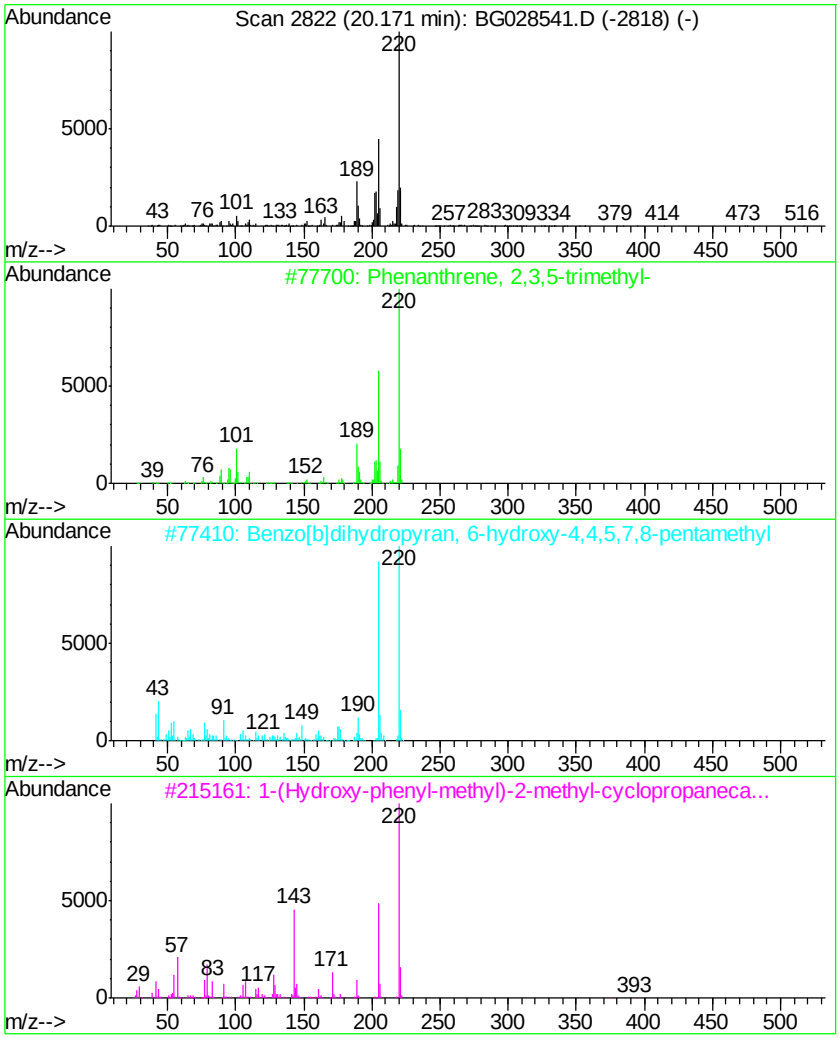
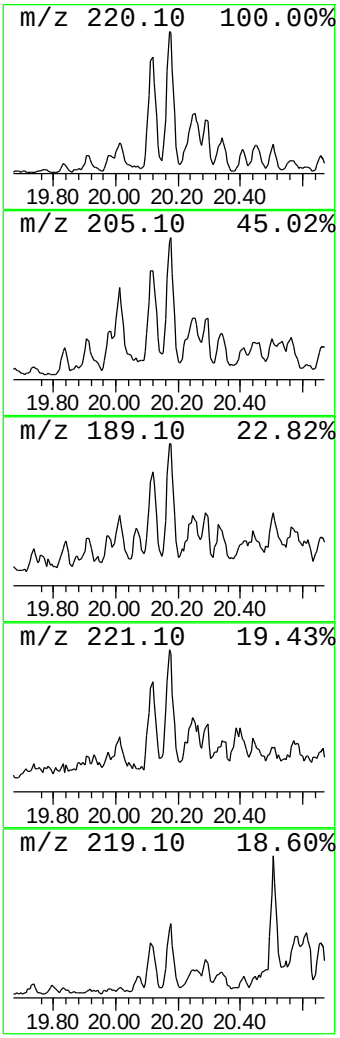
Peak Number 16 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	15.09 ng/ul	690403	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
3	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53
4	Propan-2-one, 1,1,1-trifluoro-3-...	331	C15H16F3NO4	1000310-90-3	53
5	Cinnoline, 6-methyl-4-phenyl-	220	C15H12N2	021039-72-5	47





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Acq On : 29 Aug 2017 19:23
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Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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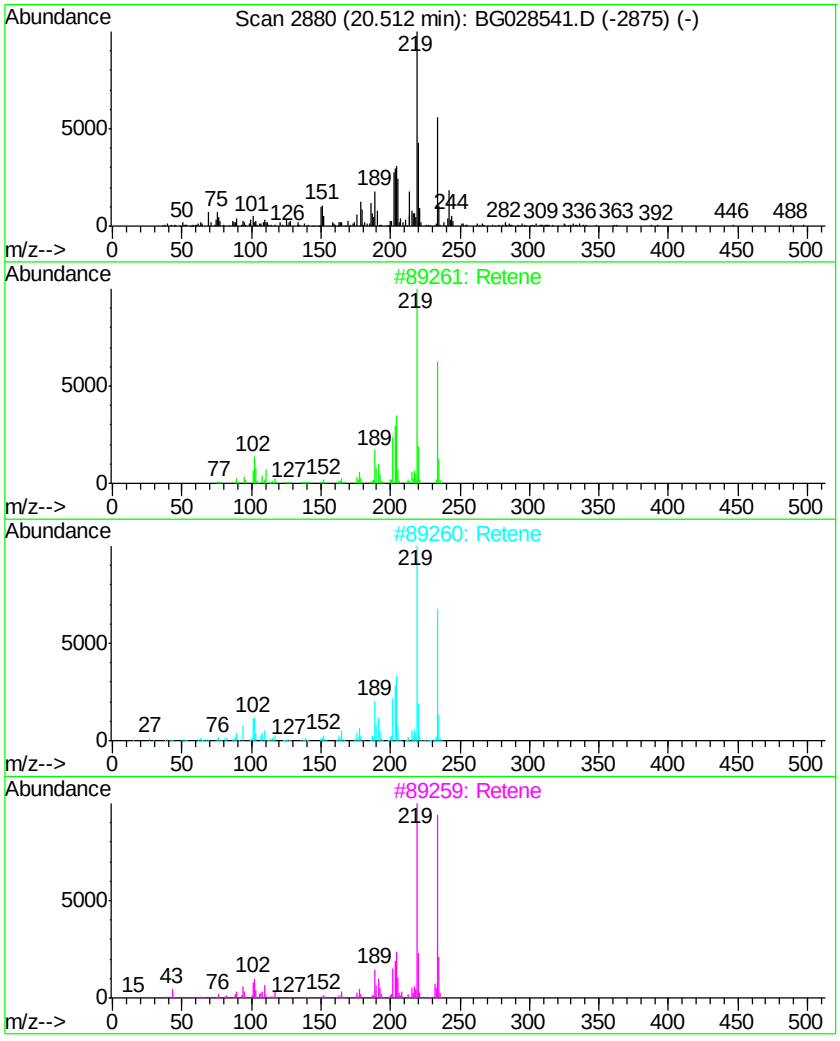
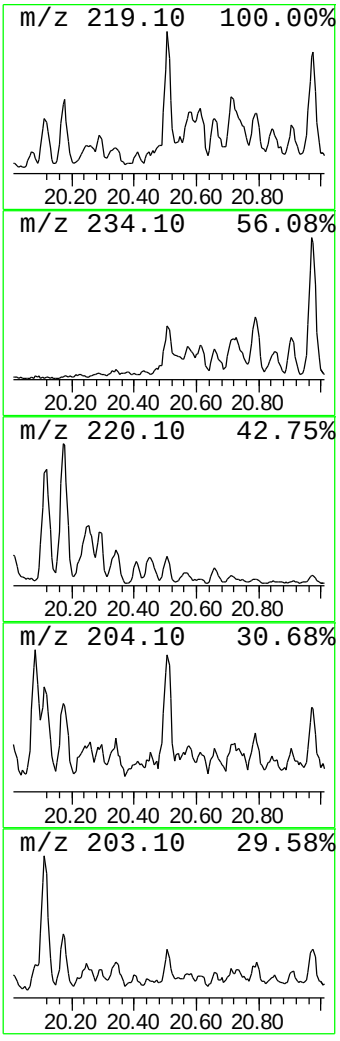
Peak Number 17 Retene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	8.62 ng/ul	394412	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	90
2	Retene	234	C18H18	000483-65-8	89
3	Retene	234	C18H18	000483-65-8	76
4	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	76
5	2-[[1-(4-Methylphenyl)ethylidene...	234	C16H14N2	1000326-46-0	43





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Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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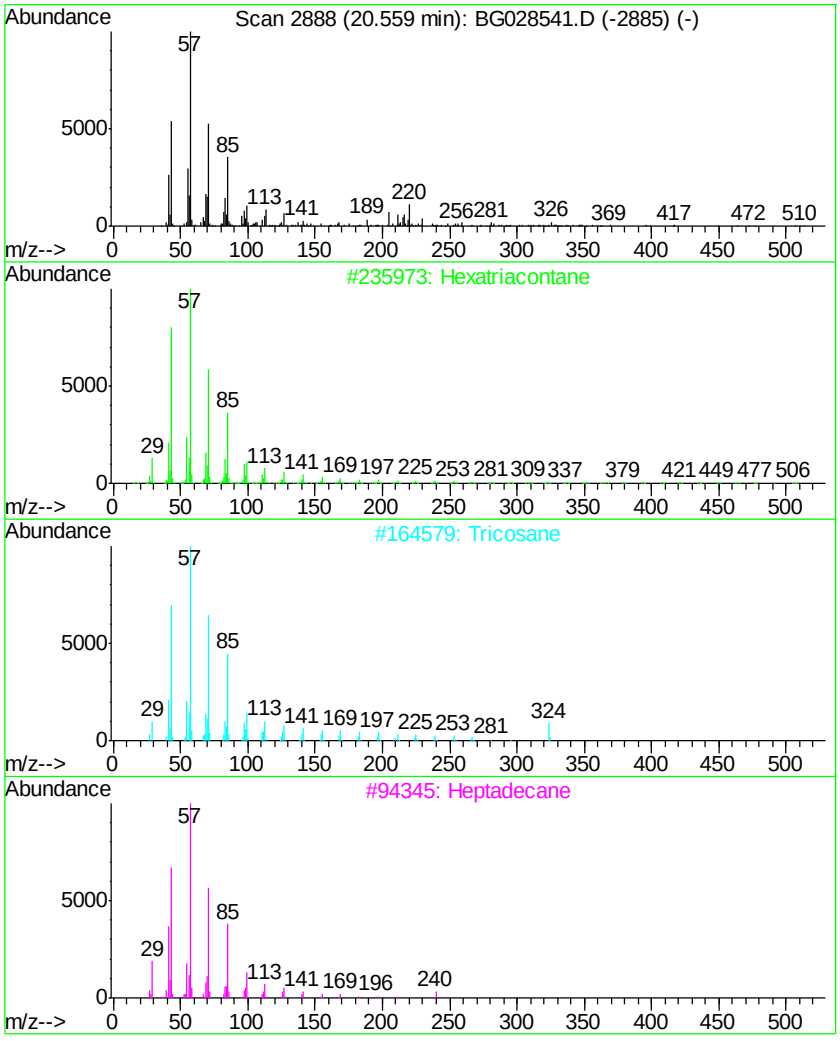
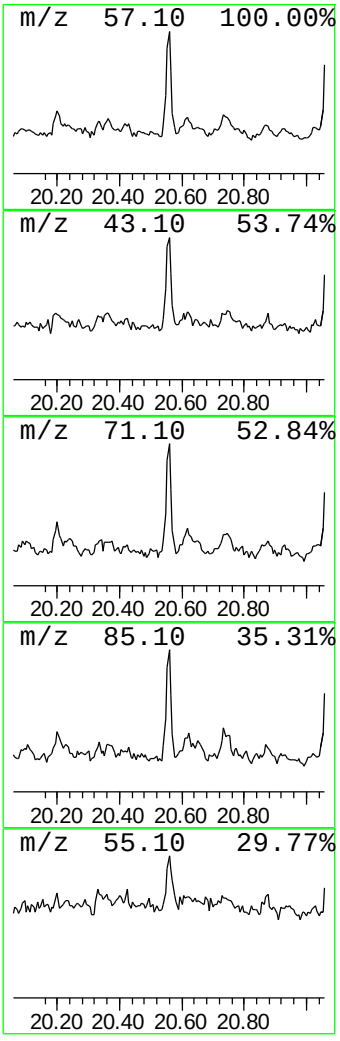
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	9.28 ng/ul	424781	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	96
2	Tricosane	324	C23H48	000638-67-5	76
3	Heptadecane	240	C17H36	000629-78-7	76
4	Tetracosane	338	C24H50	000646-31-1	76
5	Heptadecane	240	C17H36	000629-78-7	64





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Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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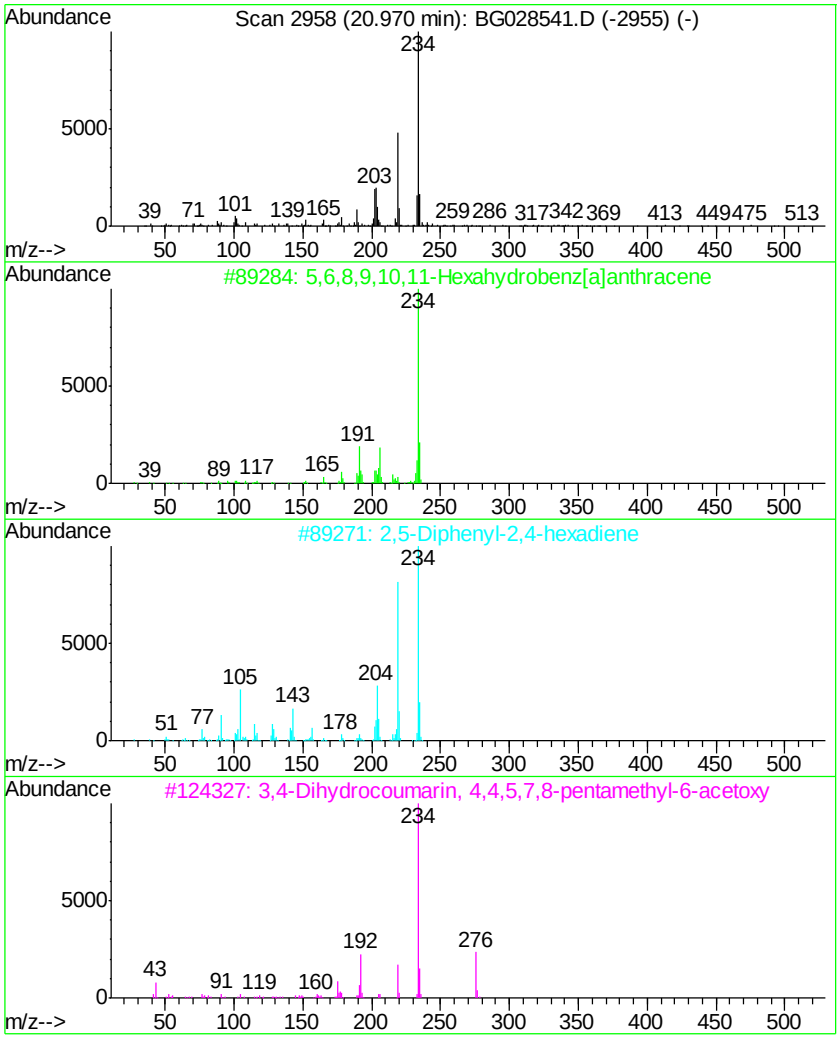
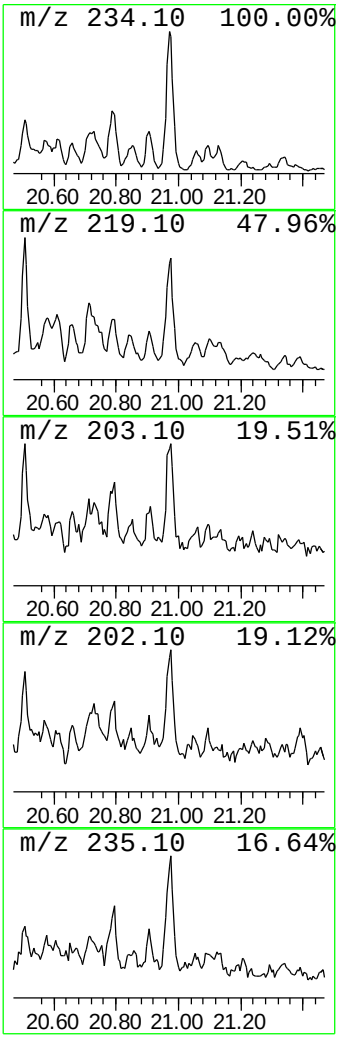
Peak Number 19 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	10.42 ng/ul	477059	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6,8,9,10,11-Hexahydrobenz[a]an...	234	C18H18	067064-61-3	43
2	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	43
3	3,4-Dihydrocoumarin, 4,4,5,7,8-p...	276	C16H20O4	1000128-47-0	38
4	Acetamide, 2-(1-methyl-2-phenyl-...	320	C20H20N2O2	1000316-09-0	38
5	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	38





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Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

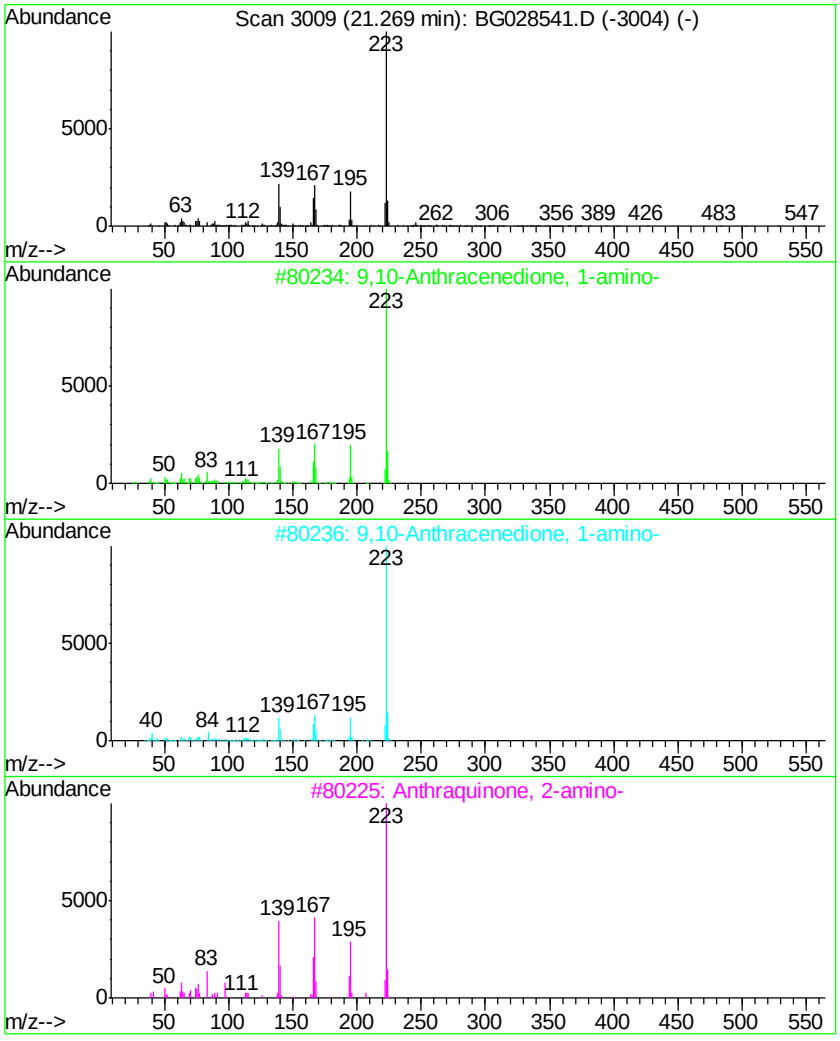
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

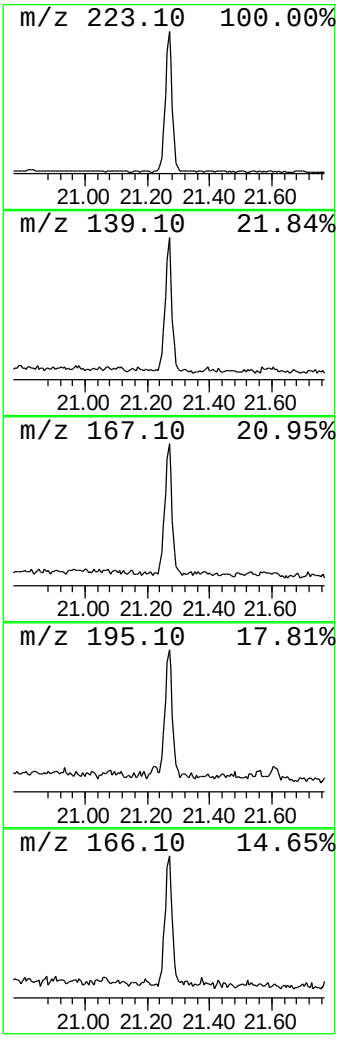
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 9,10-Anthracenedione, 1-amino- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	22.21 ng/ul	1016670	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	98
2	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	95
3	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	94
4	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	93
5	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	90





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Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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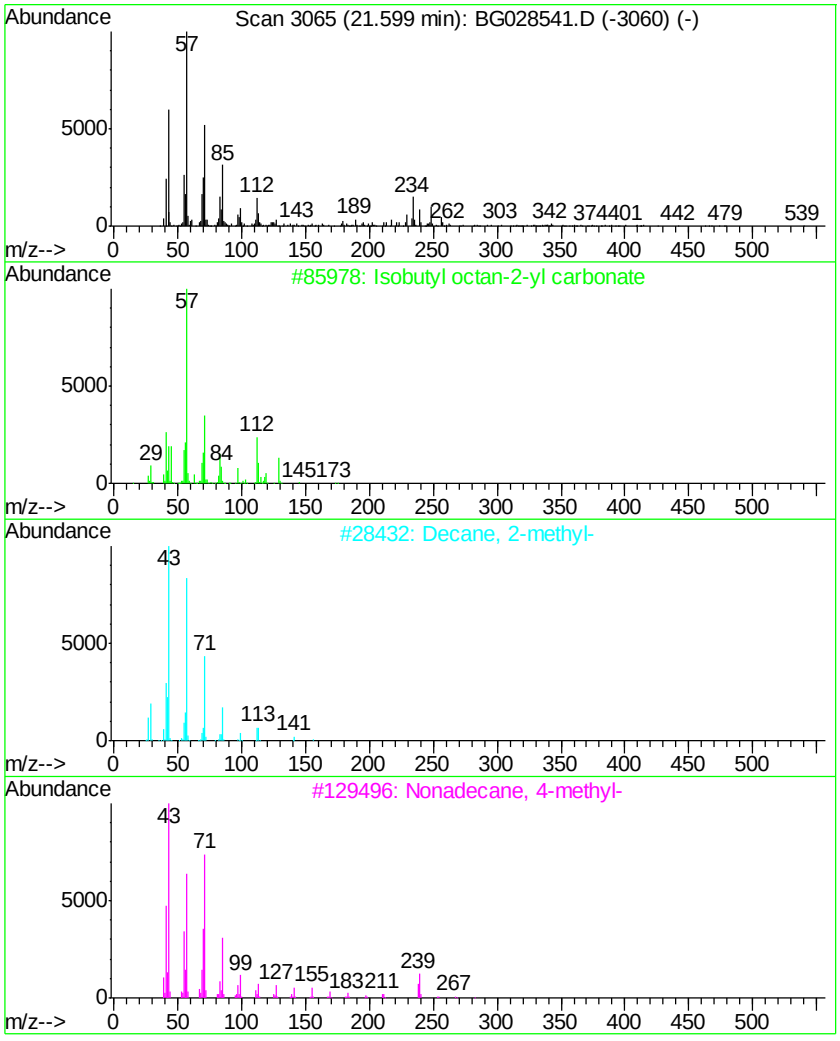
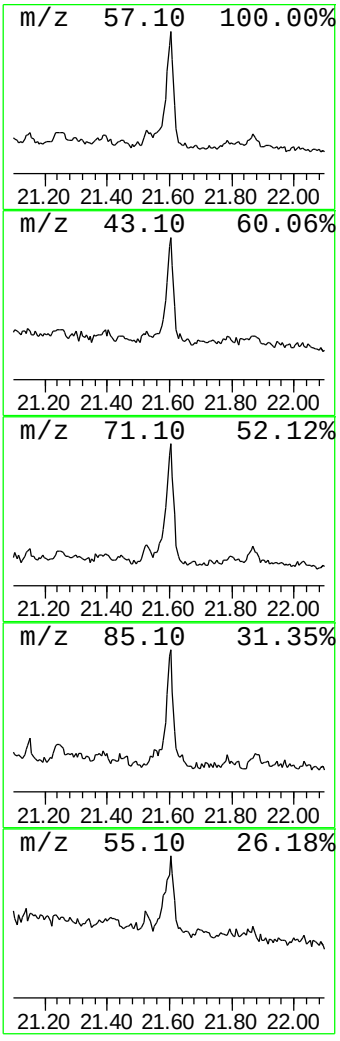
Peak Number 21 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	26.66 ng/ul	1220270	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl octan-2-yl carbonate	230	C13H26O3	1000372-74-7	49
2	Decane, 2-methyl-	156	C11H24	006975-98-0	46
3	Nonadecane, 4-methyl-	282	C20H42	025117-27-5	46
4	Heptadecane	240	C17H36	000629-78-7	45
5	Docosane, 2,21-dimethyl-	338	C24H50	077536-31-3	45





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Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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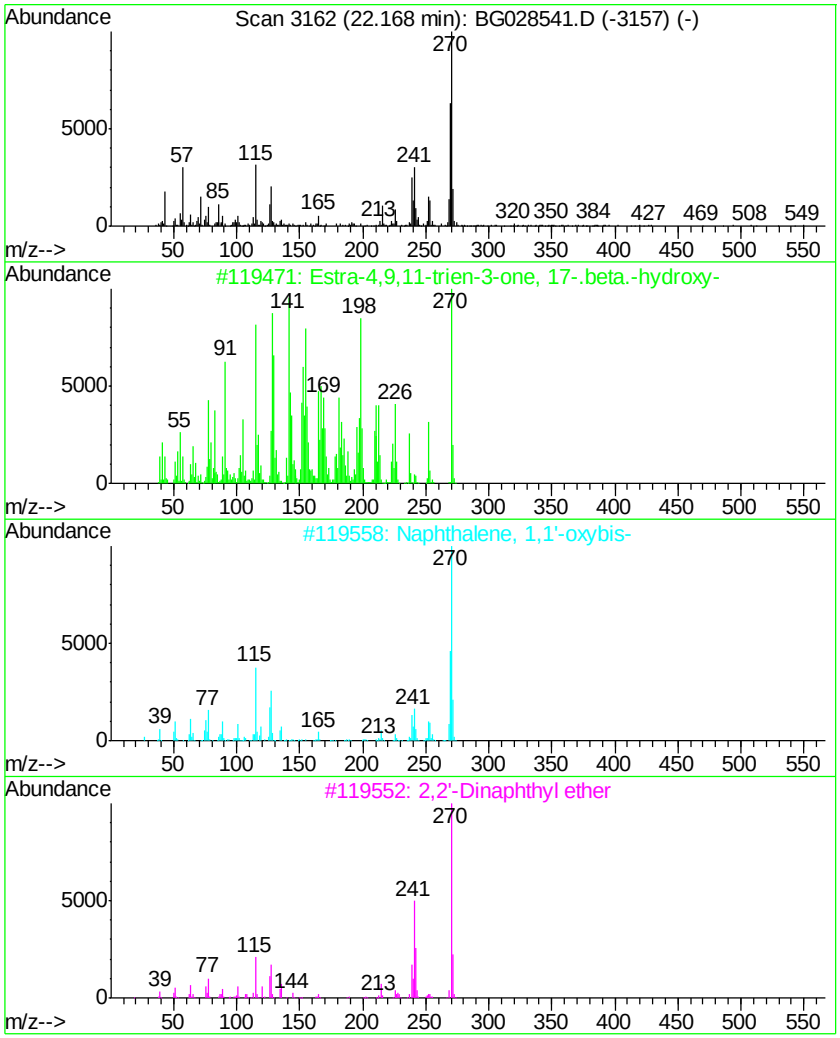
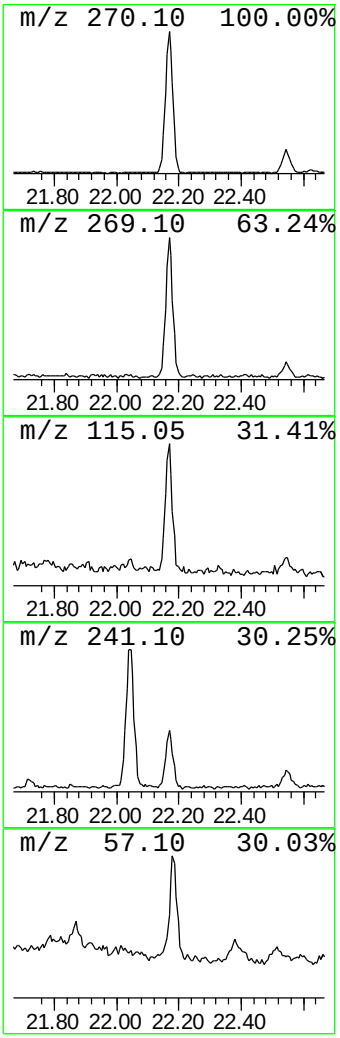
Peak Number 22 Estra-4,9,11-trien-3-one, 1... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	21.25 ng/ul	972430	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estra-4,9,11-trien-3-one, 17-.be...	270	C18H22O2	010161-33-8	92
2	Naphthalene, 1,1'-oxybis-	270	C20H14O	000607-52-3	81
3	2,2'-Dinaphthyl ether	270	C20H14O	000613-80-9	78
4	2,2'-Dinaphthyl ether	270	C20H14O	000613-80-9	70
5	Naphthalene, 1-(2-naphthalenyloxy)-	270	C20H14O	000611-49-4	64





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Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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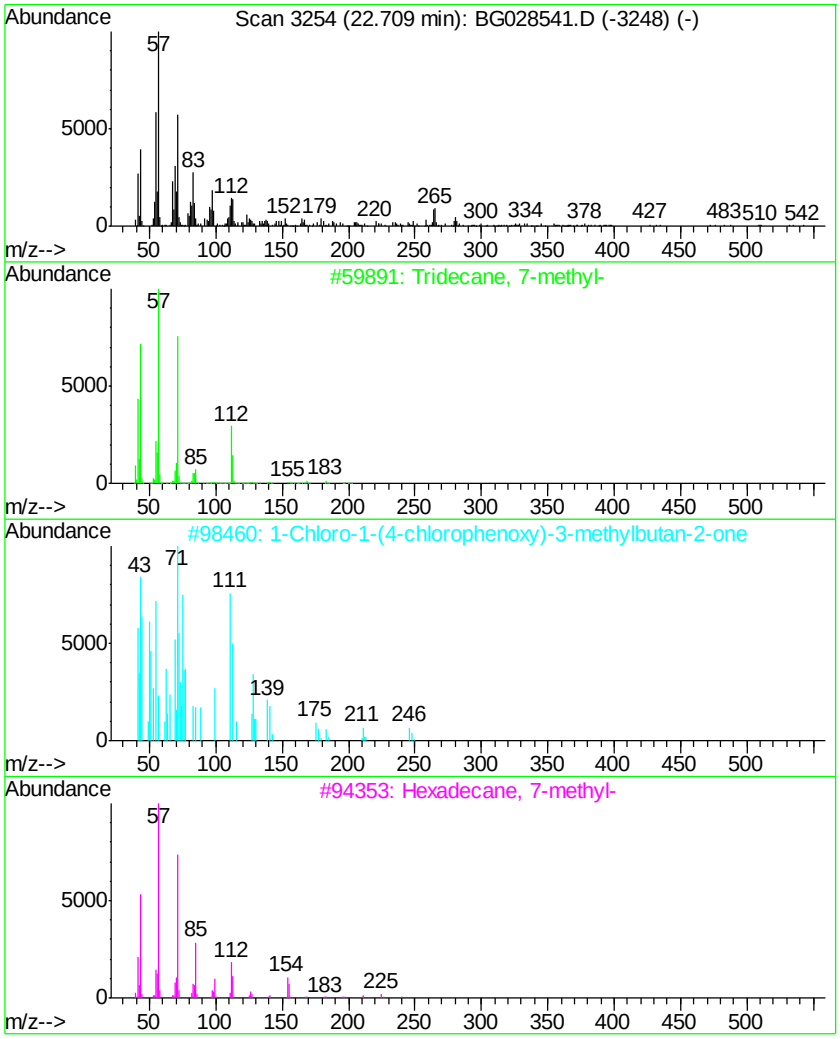
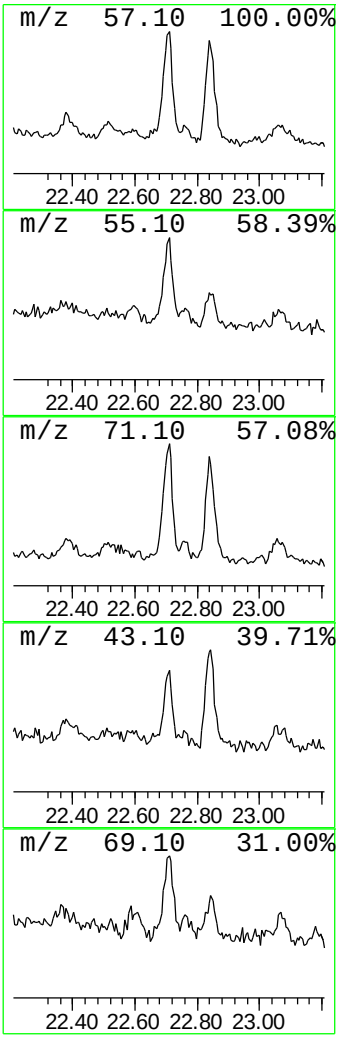
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	11.05 ng/ul	505498	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	49
2	1-Chloro-1-(4-chlorophenoxy)-3-m...	246	C11H12Cl2O2	1000103-07-9	49
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	49
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	47
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47





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Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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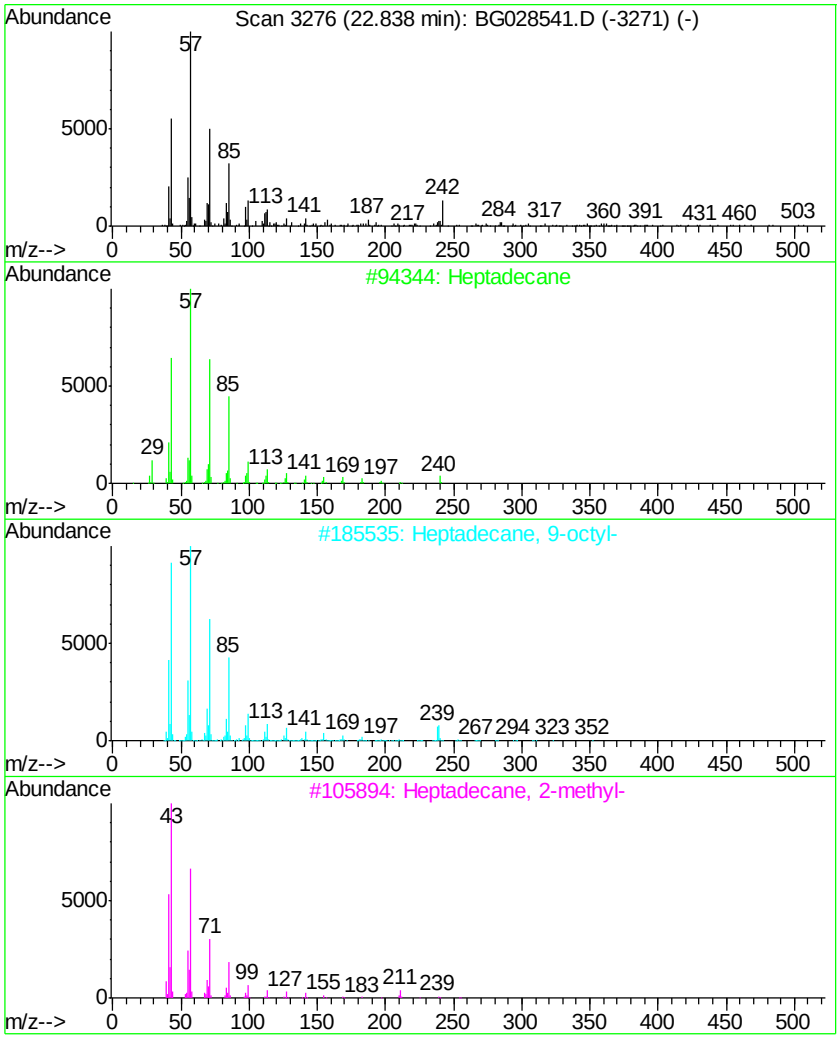
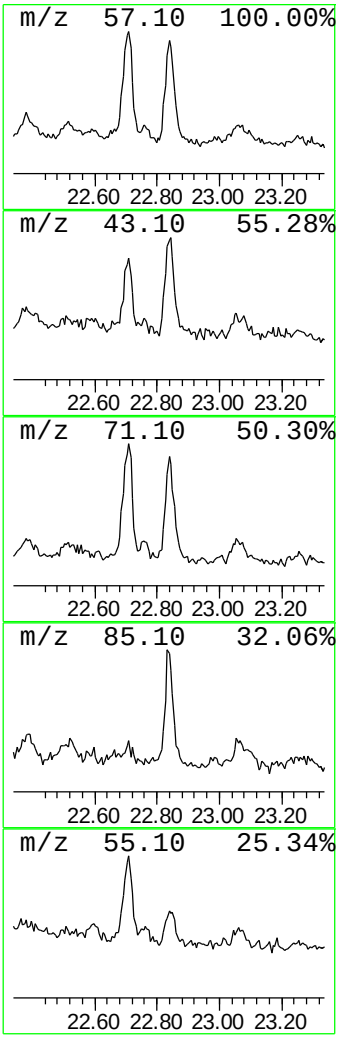
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	9.70 ng/ul	444013	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	92
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	76
4	Heneicosane	296	C21H44	000629-94-7	74
5	Hexatriacontane	507	C36H74	000630-06-8	74





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Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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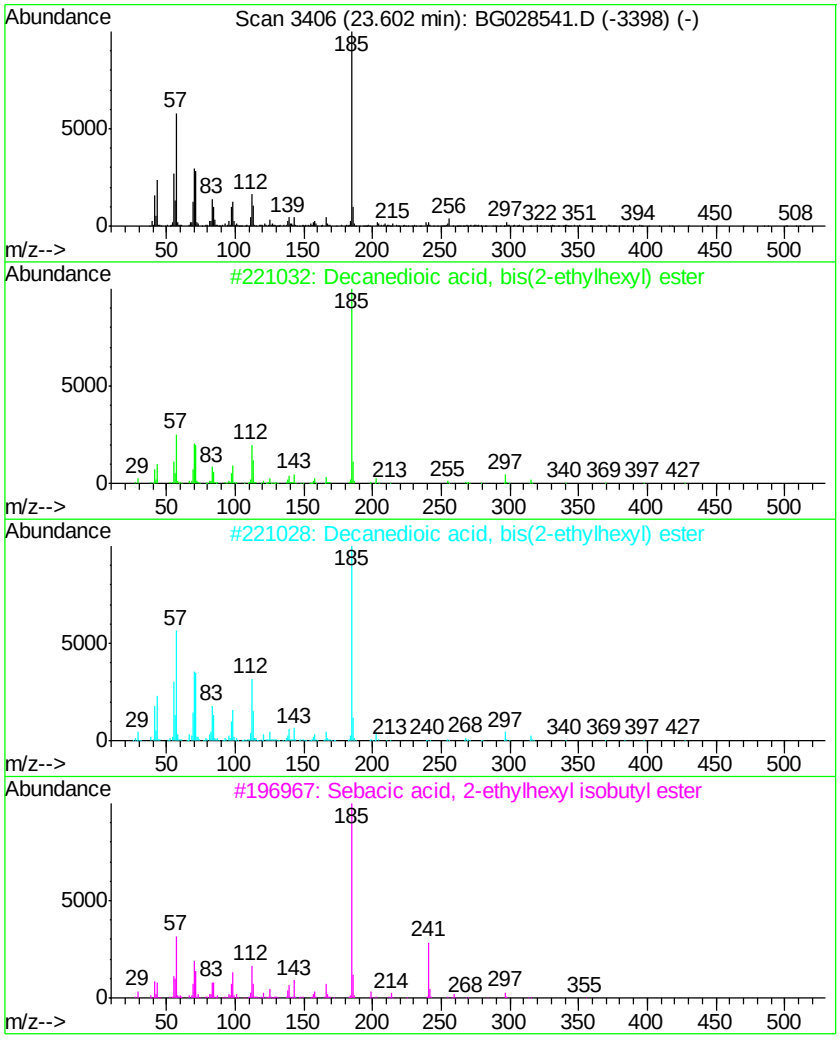
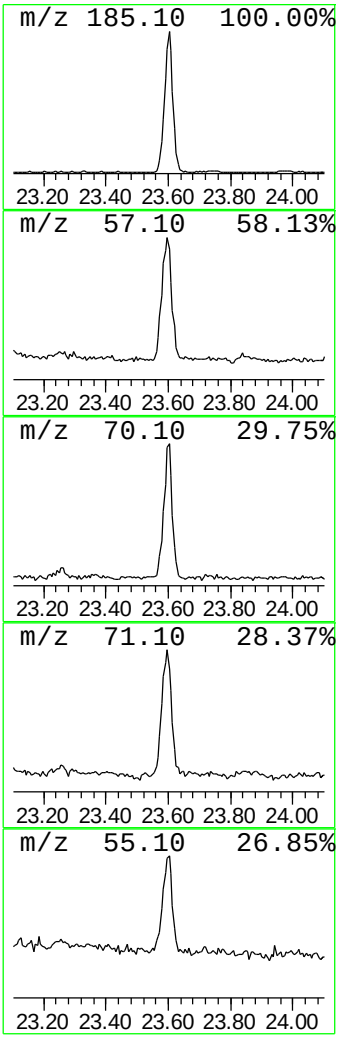
Peak Number 25 Decanedioic acid, bis(2-eth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	23.38 ng/ul	1070170	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhex...	426	C26H50O4	000122-62-3	83
2	Decanedioic acid, bis(2-ethylhex...	426	C26H50O4	000122-62-3	53
3	Sebacic acid, 2-ethylhexyl isobu...	370	C22H42O4	1000354-19-8	50
4	Sebacic acid, di(2-octyl) ester	426	C26H50O4	1000354-18-0	50
5	Sebacic acid, di(2-methylpent-3-...	370	C22H42O4	1000355-46-4	43





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Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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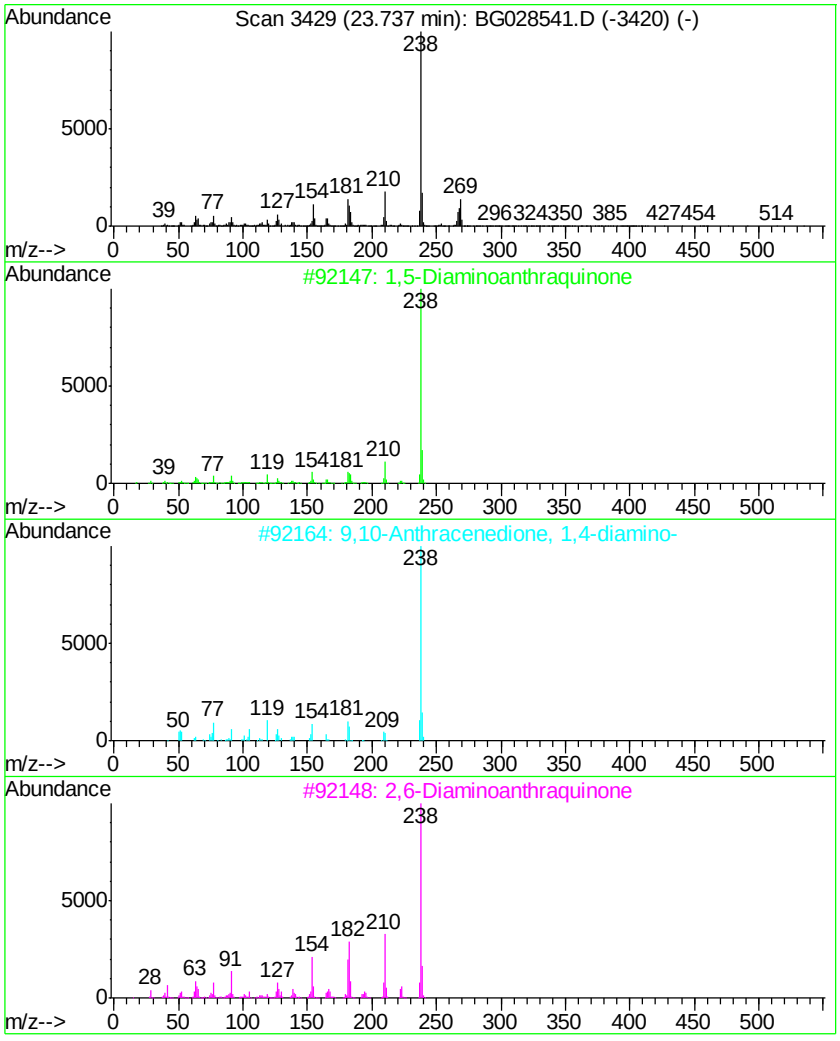
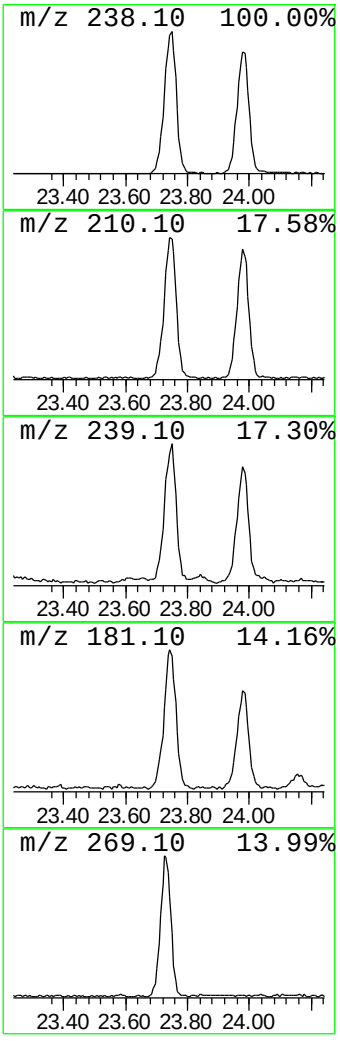
Peak Number 26 1,5-Diaminoanthraquinone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.74	67.25 ng/ul	3077800	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Diaminoanthraquinone	238	C14H10N2O2	000129-44-2	96
2	9,10-Anthracenedione, 1,4-diamino-	238	C14H10N2O2	000128-95-0	90
3	2,6-Diaminoanthraquinone	238	C14H10N2O2	000131-14-6	87
4	2,6-Diaminoanthraquinone	238	C14H10N2O2	000131-14-6	81
5	9,10-Anthracenedione, 1,4-diamino-	238	C14H10N2O2	000128-95-0	81





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Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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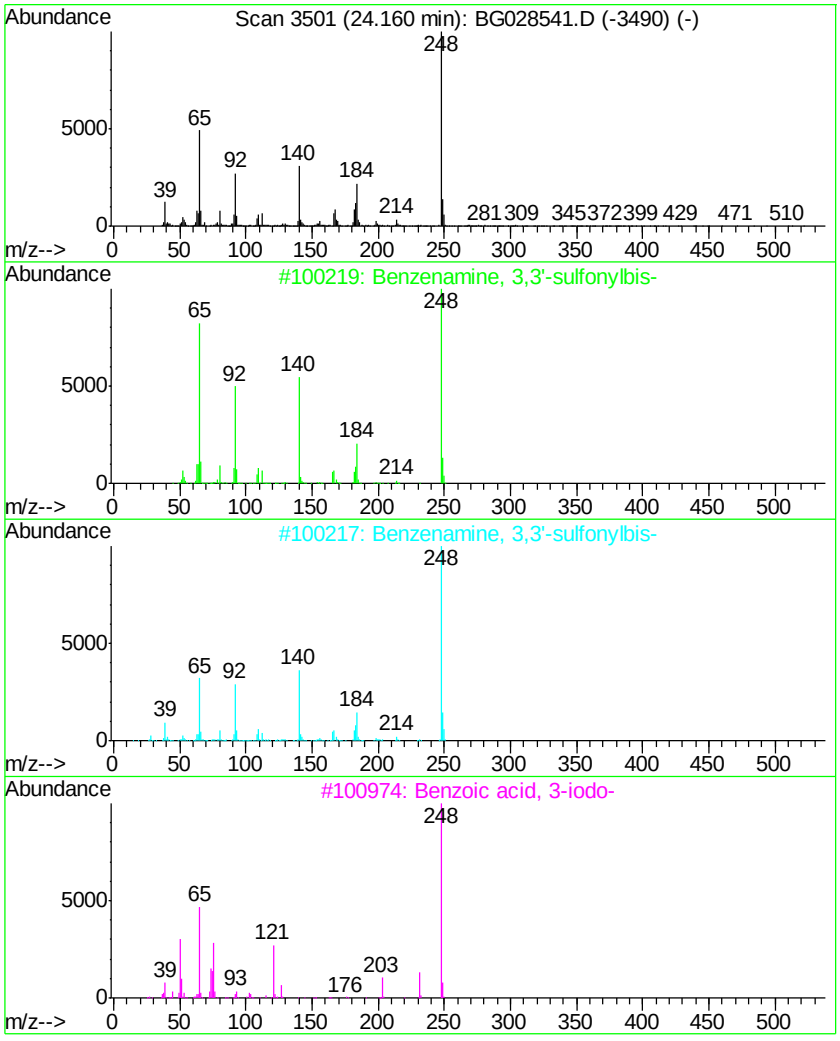
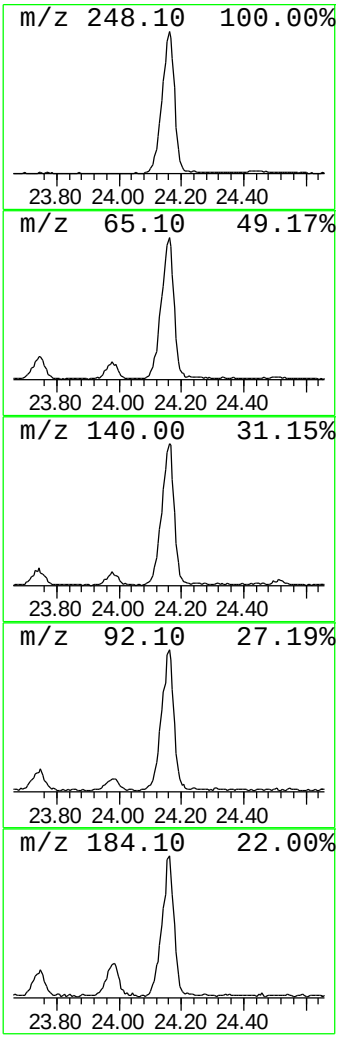
Peak Number 28 Benzenamine, 3,3'-sulfonylbis- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.16	49.93 ng/ul	2294290	Perylene-d12	25.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3,3'-sulfonylbis-	248	C12H12N2O2S	000599-61-1	97
2	Benzenamine, 3,3'-sulfonylbis-	248	C12H12N2O2S	000599-61-1	96
3	Benzoic acid, 3-iodo-	248	C7H5IO2	000618-51-9	38
4	3,4'-Diaminodiphenylsulfone	248	C12H12N2O2S	034262-32-3	35
5	2,3'-Diaminodiphenylsulfone	248	C12H12N2O2S	034262-29-8	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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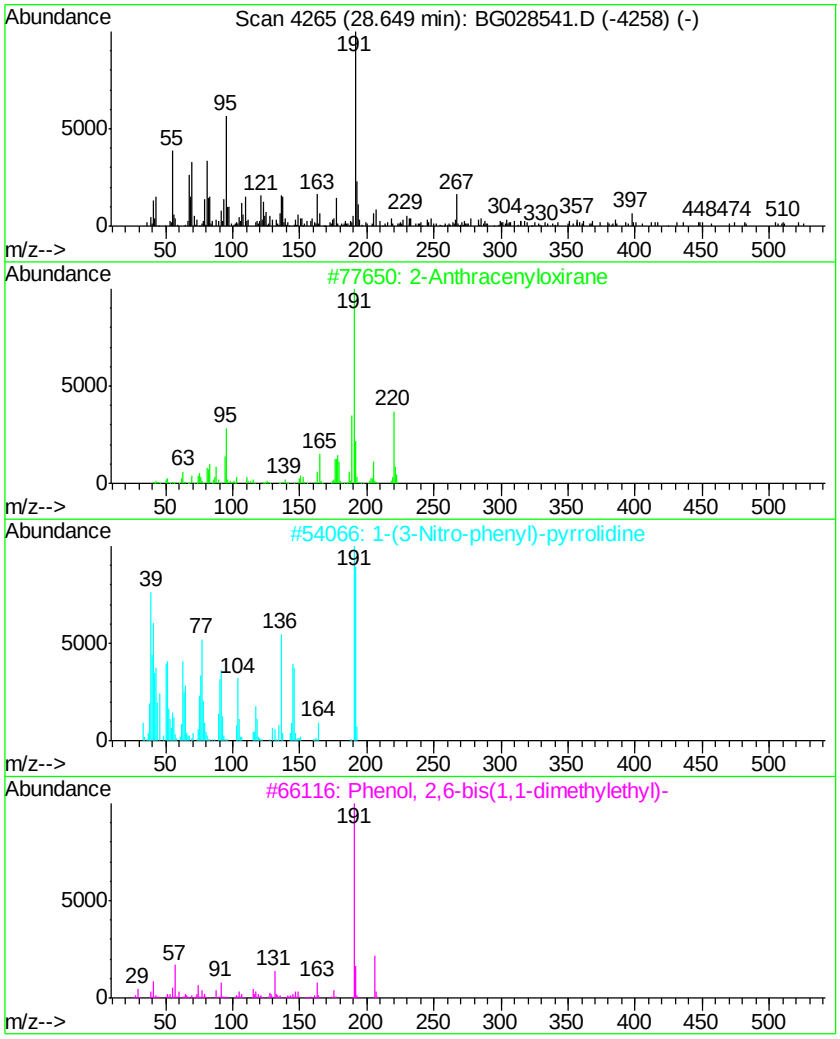
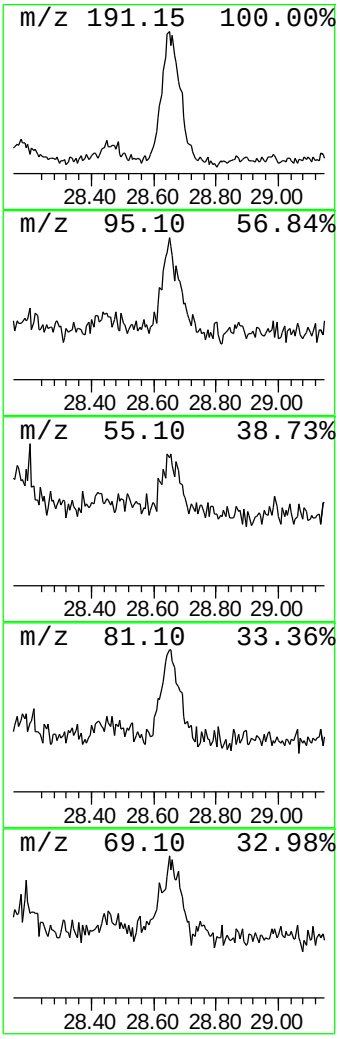
Peak Number 31 2-Anthracenyloxirane Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.65	10.95 ng/ul	503203	Perylene-d12	25.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Anthracenyloxirane	220	C16H12O	052643-86-4	72
2	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	47
3	Phenol, 2,6-bis(1,1-dimethylethyl)-	206	C14H22O	000128-39-2	47
4	1,2,3,4-Tetrahydropyrimidin-2,4-...	416	C21H28N4O5	1000127-97-3	46
5	Terephthalic acid, 1-cyclopentyl...	304	C18H24O4	1000323-83-5	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 5-POST1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
Benzene, 1,3-dime...	5.99	14.3	ng/ul	1617620	1	8.35	2261100	20.0
Benzene, 1,4-dich...	8.24	56.4	ng/ul	6377190	1	8.35	2261100	20.0
Benzene, 1,3-dich...	8.73	140.1	ng/ul	15840400	1	8.35	2261100	20.0
Benzene, 1,2,3-tr...	11.26	15337.2	ng/ul	355780000	2	11.35	463945	20.0
Benzene, 1,2,3,5-...	13.78	101.8	ng/ul	3659560	3	14.96	719081	20.0
n-Hexadecanoic acid	18.56	27.0	ng/ul	1125440	4	17.71	833729	20.0
9,10-Anthracenedione	19.12	27.4	ng/ul	1142090	4	17.71	833729	20.0
Phenanthrene, 1,7...	19.36	9.6	ng/ul	401527	4	17.71	833729	20.0
9,10-Dimethylanth...	19.48	27.1	ng/ul	1131530	4	17.71	833729	20.0
Octadecanoic acid	19.81	15.6	ng/ul	650864	4	17.71	833729	20.0
(DEL) Alkane: Str...	20.02	9.9	ng/ul	452693	5	22.05	915311	20.0
Phenanthrene, 2,3...	20.17	15.1	ng/ul	690403	5	22.05	915311	20.0
Retene	20.51	8.6	ng/ul	394412	5	22.05	915311	20.0
(DEL) Alkane: Str...	20.56	9.3	ng/ul	424781	5	22.05	915311	20.0
unknown-01	20.97	10.4	ng/ul	477059	5	22.05	915311	20.0
9,10-Anthracenedi...	21.27	22.2	ng/ul	1016670	5	22.05	915311	20.0
unknown-02	21.60	26.7	ng/ul	1220270	5	22.05	915311	20.0
Estra-4,9,11-trie...	22.17	21.3	ng/ul	972430	5	22.05	915311	20.0
(DEL) Alkane: Str...	22.71	11.1	ng/ul	505498	5	22.05	915311	20.0
(DEL) Alkane: Str...	22.84	9.7	ng/ul	444013	5	22.05	915311	20.0
Decanedioic acid,...	23.60	23.4	ng/ul	1070170	5	22.05	915311	20.0
1,5-Diaminoanthra...	23.74	67.3	ng/ul	3077800	5	22.05	915311	20.0
Benzenamine, 3,3'...	24.16	49.9	ng/ul	2294290	6	25.56	918918	20.0
2-Anthracenyloxirane	28.65	10.9	ng/ul	503203	6	25.56	918918	20.0