LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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-BG073115.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.979	382	390	393	rBV	15872	23478	0.22%	0.073%
2	5.108	407	412	420	rVB2	13712	28782	0.27%	0.089%
3	5.478	471	475	479	rVB4	13217	19073	0.18%	0.059%
4	6.448	634	640	645	rVB4	8541	16101	0.15%	0.050%
5	6.548	652	657	662	rVB3	11634	16238	0.15%	0.050%
6	6.607	662	667	671	rVV2	14383	20698	0.19%	0.064%
7	6.671	672	678	686	rVB	94161	161393	1.49%	0.500%
8	6.800	695	700	705	rBV	62561	93644	0.86%	0.290%
9	7.000	727	734	740	rVB	99919	153881	1.42%	0.477%
10	7.100	745	751	757	rVB5	19085	36086	0.33%	0.112%
11	7.458	802	812	821	rBV	161048	261013	2.41%	0.809%
12	7.946	890	895	900	rBV5	7556	12935	0.12%	0.040%
13	8.005	900	905	910	rVV5	8689	19126	0.18%	0.059%
14	8.099	917	921	925	rBV3	11425	16102	0.15%	0.050%
15	8.199	931	938	945	rBV	109529	174265	1.61%	0.540%
16	8.281	945	952	957	rVB8	13641	29997	0.28%	0.093%
17	8.563	994	1000	1004	rVB3	11679	18807	0.17%	0.058%
18	8.616	1004	1009	1016	rVB	99472	156315	1.44%	0.485%
19	8.686	1016	1021	1025	rBV5	10928	16464	0.15%	0.051%
20	8.804	1035	1041	1045	rBV7	6020	13466	0.12%	0.042%
21	8.939	1058	1064	1073	rVB2	30947	51893	0.48%	0.161%
22	9.027	1076	1079	1085	rBV5	6046	11982	0.11%	0.037%
23	9.092	1085	1090	1095	rVV6	8206	14935	0.14%	0.046%
24	9.145	1095	1099	1106	rVB3	12359	20163	0.19%	0.063%
25	9.339	1123	1132	1138	rBV	101665	172155	1.59%	0.534%
26	9.644	1181	1184	1190	rVV6	10674	21655	0.20%	0.067%
27	9.715	1193	1196	1202	rVB5	7714	15275	0.14%	0.047%
28	9.891	1220	1226	1233	rVB	137964	222311	2.05%	0.689%
29	10.114	1260	1264	1269	rBV4	20456	29726	0.27%	0.092%
30	10.243	1279	1286	1291	rBV	240240	404778	3.74%	1.255%
31	10.290	1291	1294	1303	rVB2	35810	62200	0.57%	0.193%
32	10.396	1307	1312	1320	rVB2	26554	55907	0.52%	0.173%
33	10.637	1345	1353	1360	rBV9	13663	36073	0.33%	0.112%
34	11.166	1438	1443	1449	rVB9	10211	18316	0.17%	0.057%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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-BG073115.M
Title : SVOA CALIBRATION

35	11.283	1458	1463	1466	rBV4	14954	25280	0.23%	0.078%
36	11.624	1516	1521	1525	rBV5	10586	17643	0.16%	0.055%
37	11.689	1529	1532	1536	rBV4	7395	11487	0.11%	0.036%
38	11.924	1565	1572	1579	rVB	40166	80504	0.74%	0.250%
39	11.994	1579	1584	1587	rBV7	8061	12300	0.11%	0.038%
40	12.059	1592	1595	1599	rBV6	7709	12473	0.12%	0.039%
41	12.153	1606	1611	1615	rBV	21656	31893	0.29%	0.099%
42	12.611	1686	1689	1693	rBV4	7230	12603	0.12%	0.039%
43	12.676	1695	1700	1701	rVV5	13935	21001	0.19%	0.065%
44	12.705	1701	1705	1714	rVB3	78354	138149	1.28%	0.428%
45	12.905	1733	1739	1743	rBV6	22988	41748	0.39%	0.129%
46	12.964	1746	1749	1756	rVB5	38647	61619	0.57%	0.191%
47	13.058	1761	1765	1768	rBV6	13263	24267	0.22%	0.075%
48	13.451	1829	1832	1837	rBV5	21581	36924	0.34%	0.115%
49	13.557	1845	1850	1854	rBV	247025	336022	3.10%	1.042%
50	13.604	1854	1858	1861	rBV	96893	117101	1.08%	0.363%
51	13.833	1892	1897	1901	rBV	200550	276797	2.56%	0.858%
52	13.963	1916	1919	1923	rVB3	45475	59090	0.55%	0.183%
53	14.051	1929	1934	1937	rBV7	22446	43220	0.40%	0.134%
54	14.145	1945	1950	1956	rVB2	311414	473066	4.37%	1.467%
55	14.209	1958	1961	1970	rVB3	43791	76470	0.71%	0.237%
56	14.409	1990	1995	2000	rVB	60359	90554	0.84%	0.281%
57	14.550	2012	2019	2025	rBV2	32066	82296	0.76%	0.255%
58	14.674	2038	2040	2042	rBV3	13943	16454	0.15%	0.051%
59	14.932	2080	2084	2090	rBV9	41844	73394	0.68%	0.228%
60	15.020	2095	2099	2103	rBV7	30925	49662	0.46%	0.154%
61	15.149	2116	2121	2126	rVB	247573	353982	3.27%	1.098%
62	16.424	2334	2338	2342	rVB4	95020	142094	1.31%	0.441%
63	16.677	2378	2381	2384	rVB2	91785	101268	0.93%	0.314%
64	16.783	2396	2399	2403	rVV2	134120	157831	1.46%	0.489%
65	16.818	2403	2405	2410	rVB5	52123	57358	0.53%	0.178%
66	16.906	2415	2420	2424	rBV	267403	398387	3.68%	1.235%
67	16.947	2424	2427	2432	rVB	179703	230964	2.13%	0.716%
68	17.006	2433	2437	2440	rBV	152739	190854	1.76%	0.592%
69	17.082	2446	2450	2458	rVB7	89184	160426	1.48%	0.497%
70	17.517	2518	2524	2529	rVB2	258733	480124	4.43%	1.489%
71	17.981	2599	2603	2608	rVB	455177	581122	5.36%	1.802%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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-BG073115.M
Title : SVOA CALIBRATION

72	18.046	2610	2614	2617	rVB	171367	205272	1.89%	0.637%
73	18.087	2618	2621	2624	rVB2	90949	109480	1.01%	0.340%
74	18.269	2649	2652	2656	rBV2	228819	303545	2.80%	0.941%
75	18.451	2680	2683	2686	rVB	109119	122754	1.13%	0.381%
76	18.845	2742	2750	2759	rBV3	533667	1347399	12.44%	4.178%
77	18.986	2770	2774	2779	rBV	450380	551113	5.09%	1.709%
78	19.045	2780	2784	2794	rVV	1243492	1562859	14.43%	4.847%
79	19.133	2794	2799	2803	rBV	827824	1119102	10.33%	3.470%
80	19.198	2807	2810	2814	rBV	305348	342374	3.16%	1.062%
81	19.321	2828	2831	2834	rBV2	322046	461017	4.26%	1.430%
82	19.356	2834	2837	2839	rVB	321558	383224	3.54%	1.188%
83	19.474	2854	2857	2861	rVB2	315715	347685	3.21%	1.078%
84	19.580	2872	2875	2882	rVB	804137	993406	9.17%	3.081%
85	19.844	2917	2920	2925	rVB2	569068	710822	6.56%	2.204%
86	19.903	2926	2930	2934	rBV	690187	831478	7.68%	2.578%
87	20.126	2965	2968	2973	rBV3	615949	855085	7.89%	2.652%
88	20.261	2989	2991	2997	rVB2	342195	404951	3.74%	1.256%
89	20.443	3020	3022	3031	rVB5	637540	921173	8.50%	2.857%
90	21.054	3121	3126	3132	rBV	8874888	10832314	100.00%	33.592%
91	21.959	3278	3280	3287	rVB	2106067	2339975	21.60%	7.256%

Sum of corrected areas: 32246688

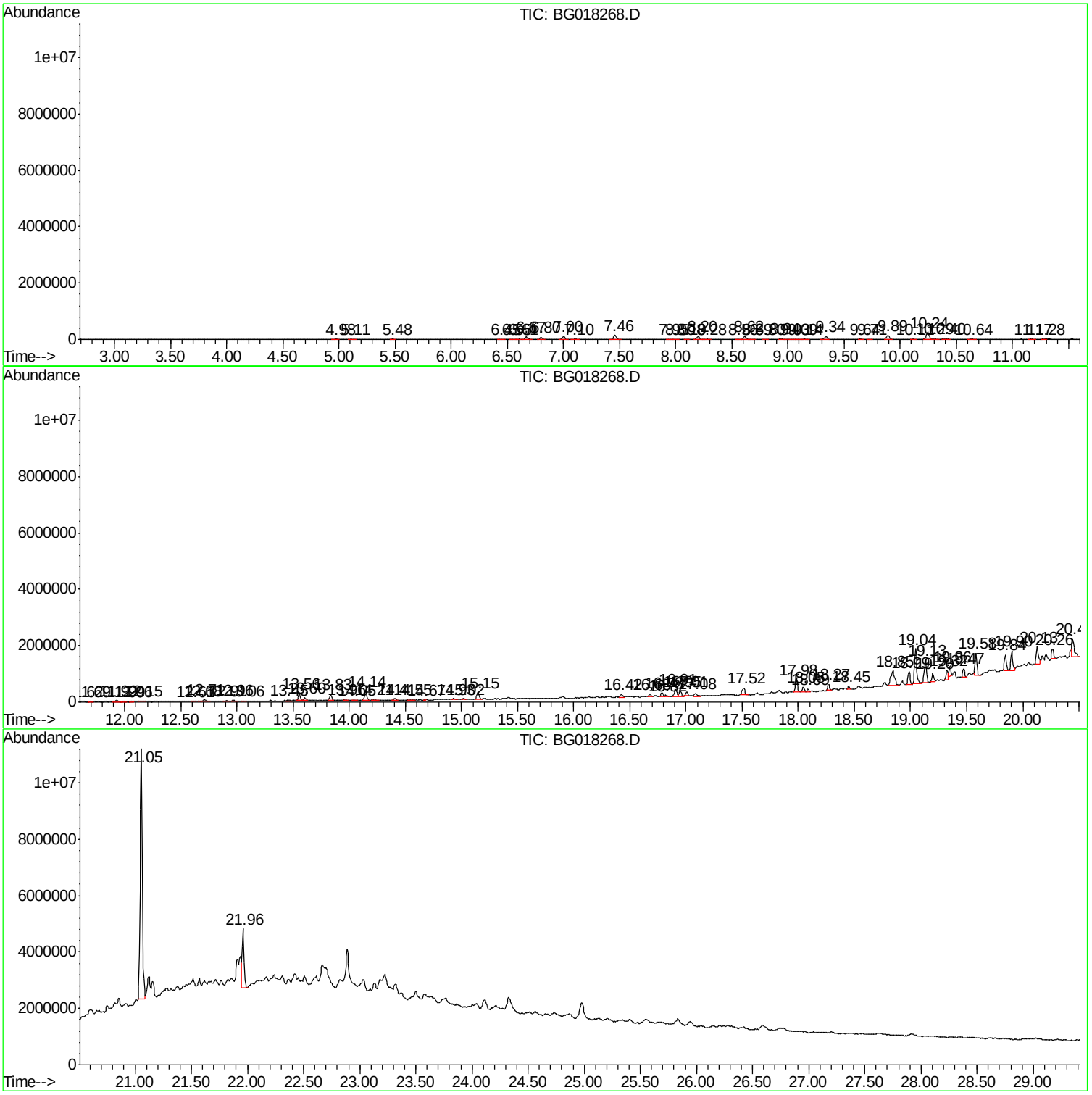
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

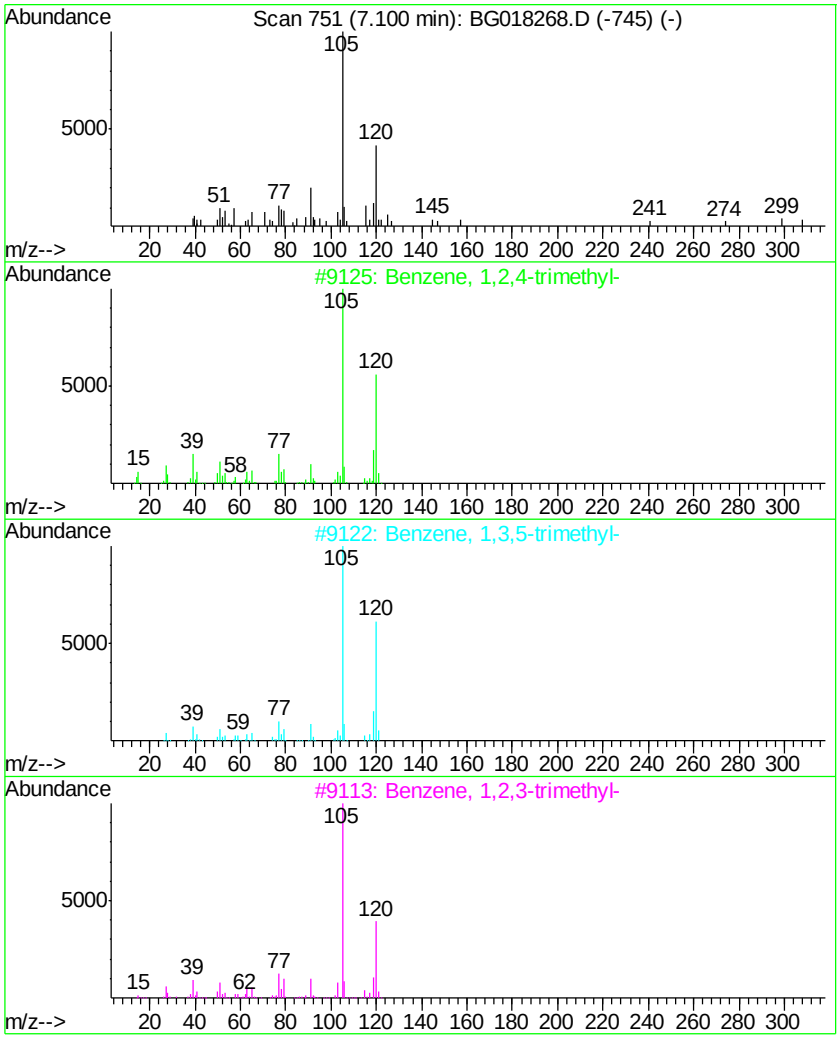
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

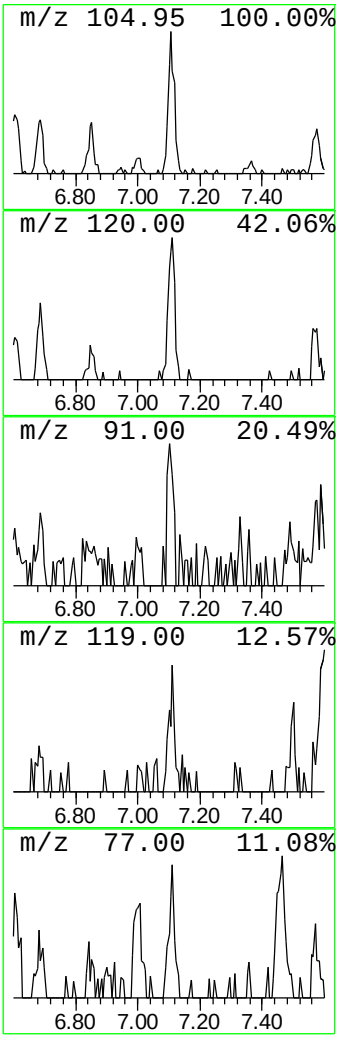
****

Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	2.77 ng/ul	36086	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	76
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

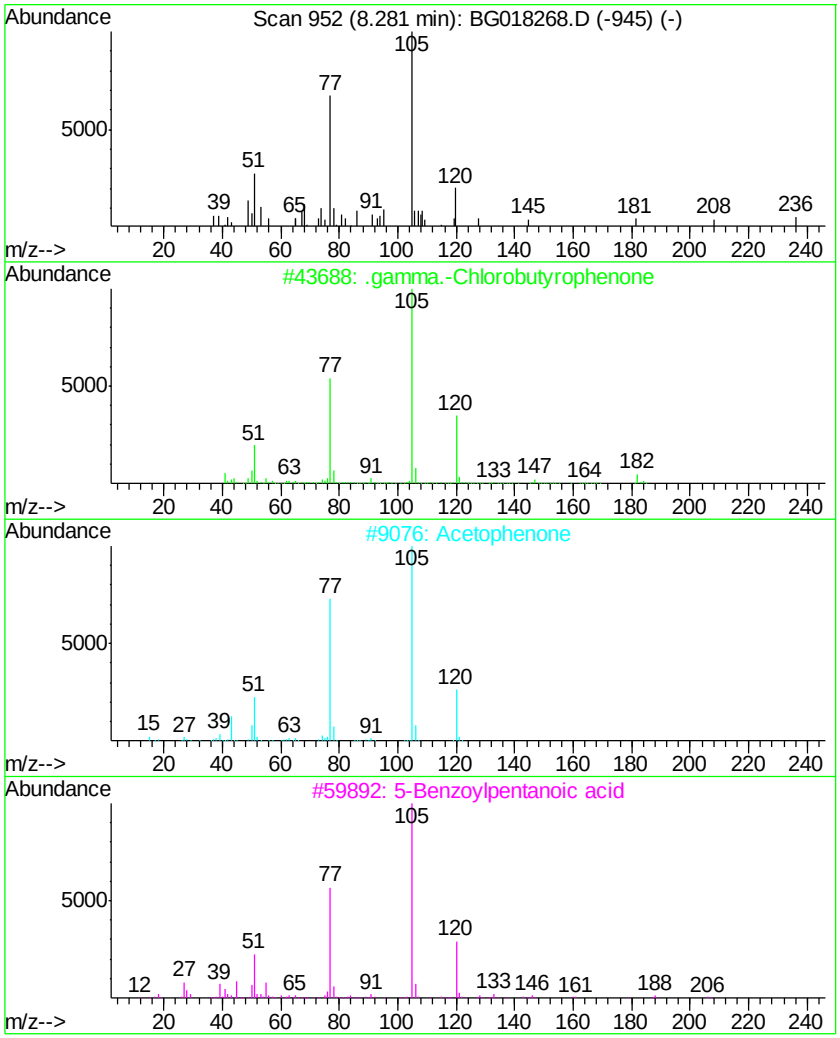
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

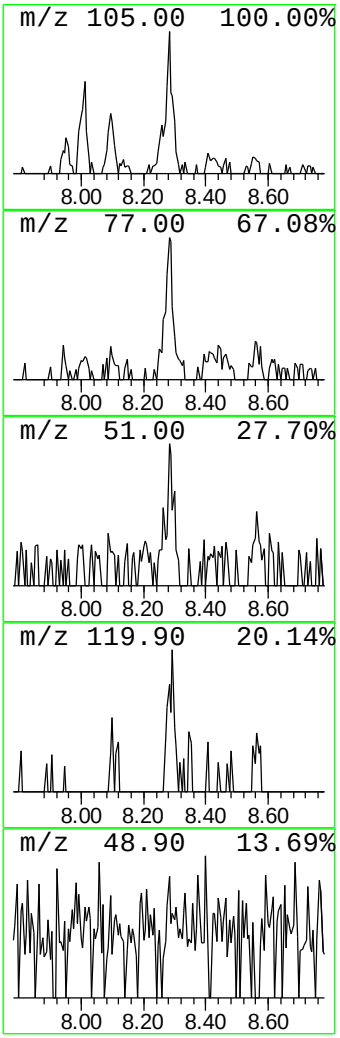
****

Peak Number 3 .gamma.-Chlorobutyrophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	2.30 ng/ul	29997	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Chlorobutyrophenone	182	C10H11ClO	000939-52-6	53
2	Acetophenone	120	C8H8O	000098-86-2	50
3	5-Benzoylpentanoic acid	206	C12H14O3	097547-93-8	50
4	1-Butanone, 3-methyl-1-phenyl-	162	C11H14O	000582-62-7	50
5	8-Benzoyloctanoic acid	248	C15H20O3	016269-05-9	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

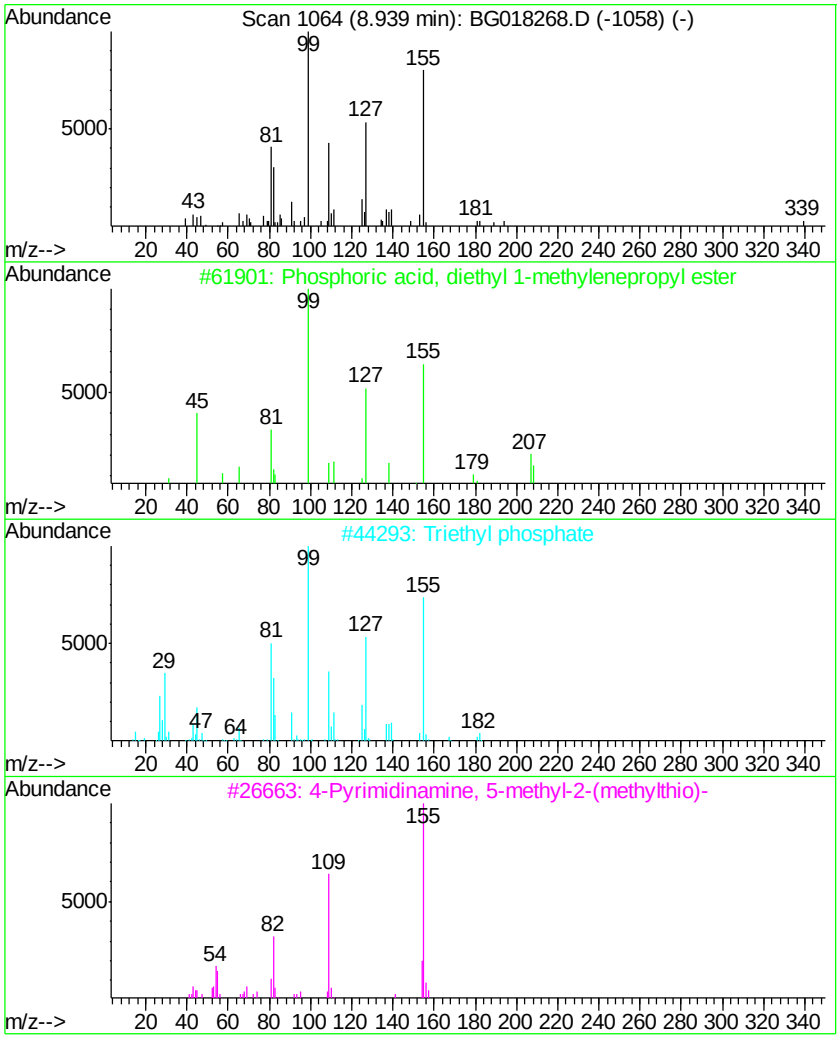
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

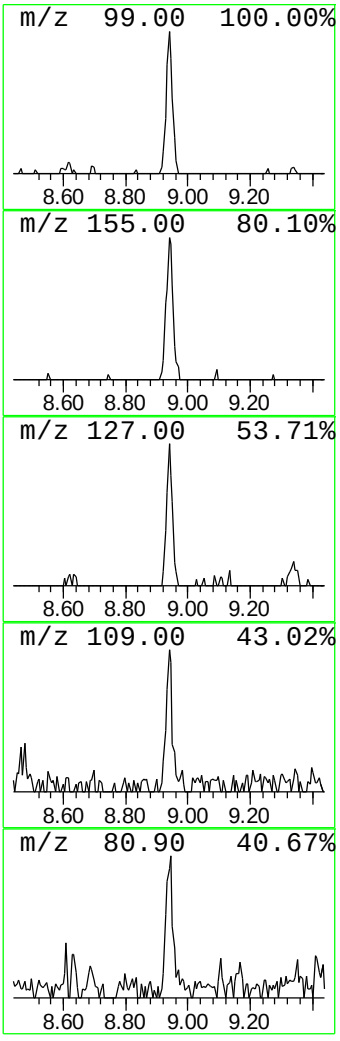
****

Peak Number 4 Phosphoric acid, diethyl 1-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	2.56 ng/ul	51893	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, diethyl 1-methy...	208	C8H17O4P	050522-98-0	50
2	Triethyl phosphate	182	C6H15O4P	000078-40-0	46
3	4-Pyrimidinamine, 5-methyl-2-(me...	155	C6H9N3S	054308-64-4	43
4	Triethyl phosphate	182	C6H15O4P	000078-40-0	38
5	Triethyl phosphate	182	C6H15O4P	000078-40-0	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

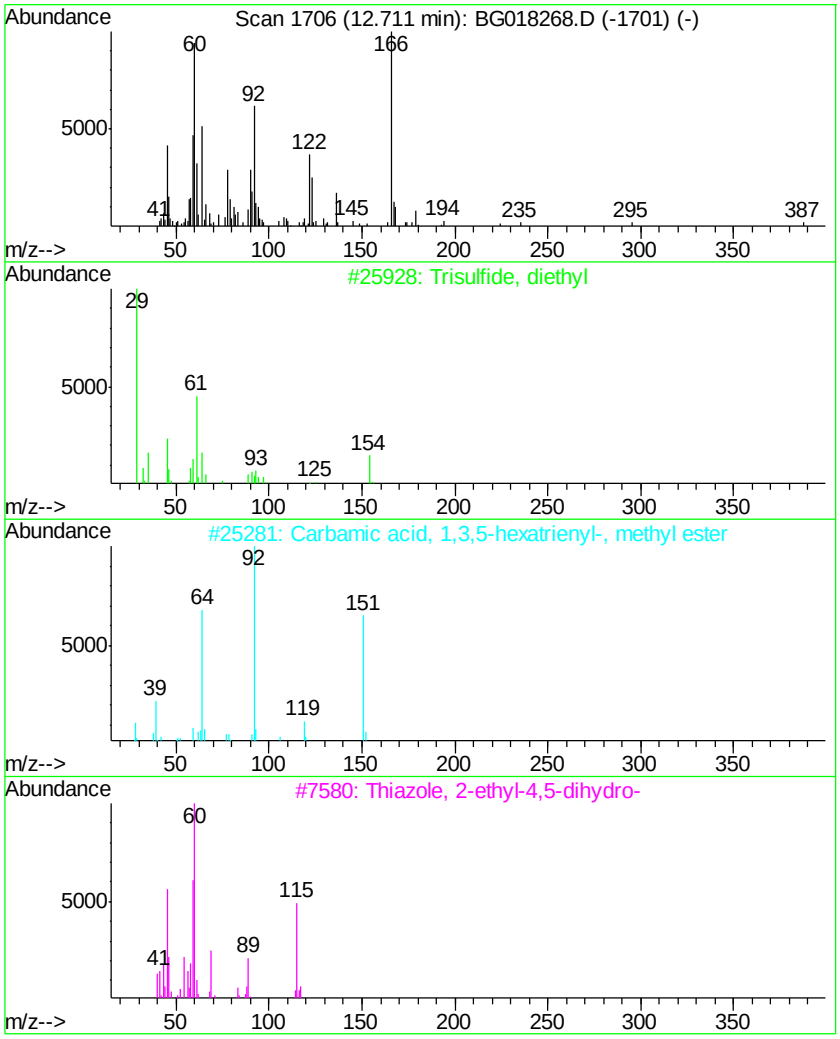
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

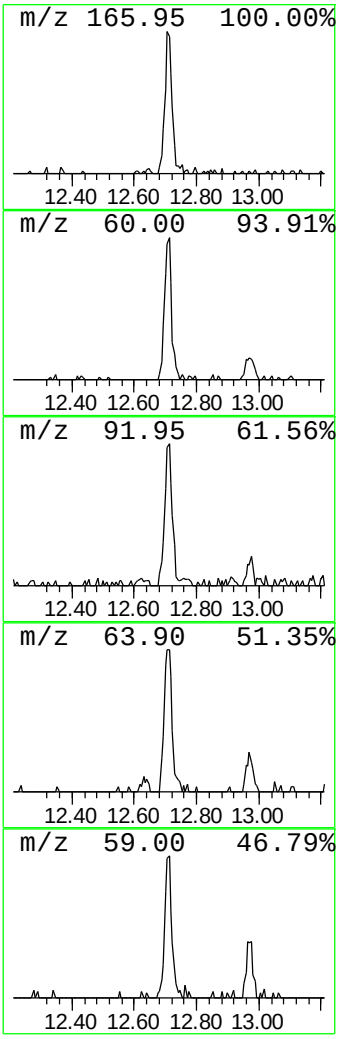
****

Peak Number 5 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	5.84 ng/ul	138149	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisulfide, diethyl	154	C4H10S3	003600-24-6	25
2	Carbamic acid, 1,3,5-hexatrienyl...	153	C8H11NO2	056701-03-2	12
3	Thiazole, 2-ethyl-4,5-dihydro-	115	C5H9NS	016982-46-0	11
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	10
5	3'-Nitroformanilide	166	C7H6N2O3	000102-38-5	10





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

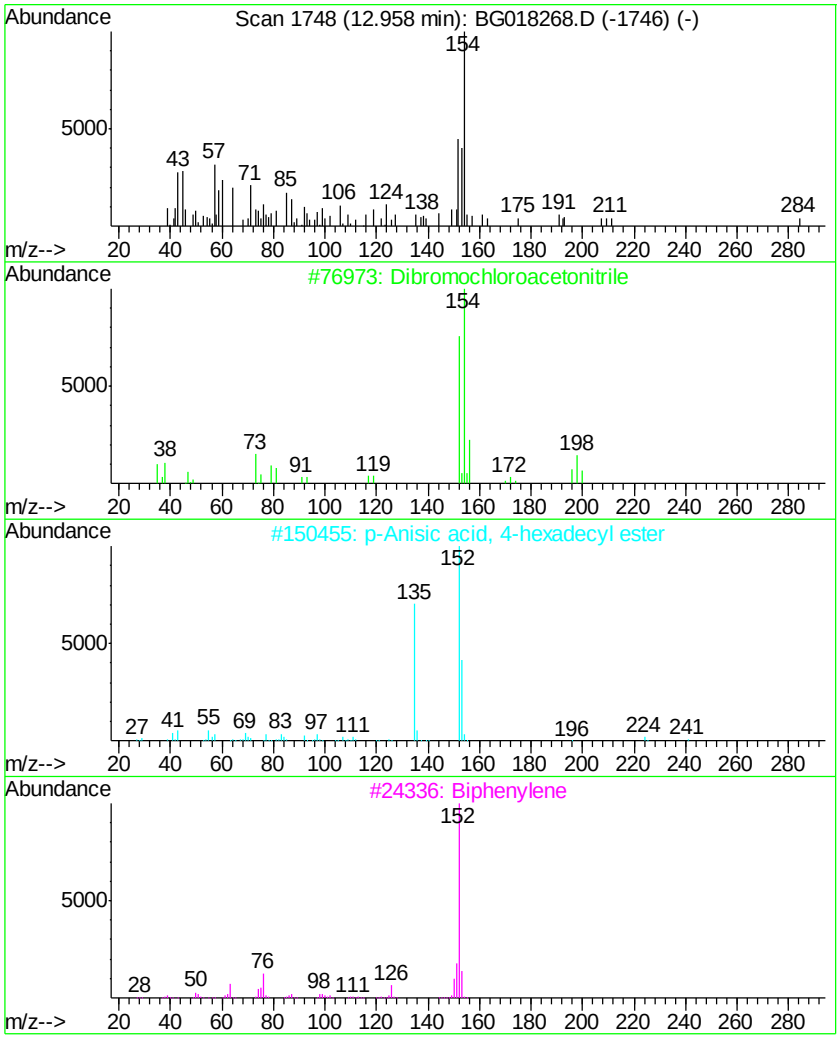
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

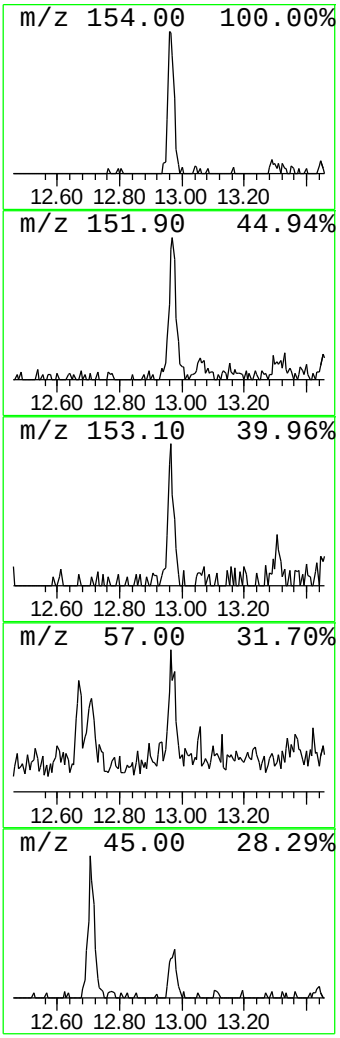
****

Peak Number 6 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.61 ng/ul	61619	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibromochloroacetonitrile	231	C2Br2ClN	144772-39-4	16
2	p-Anisic acid, 4-hexadecyl ester	376	C24H40O3	1000292-46-2	14
3	Biphenylene	152	C12H8	000259-79-0	14
4	N-(3-Cyano-4,5-dimethyl-2-thieny...	250	C11H10N2O3S	1000260-96-4	12
5	Biphenyl	154	C12H10	000092-52-4	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

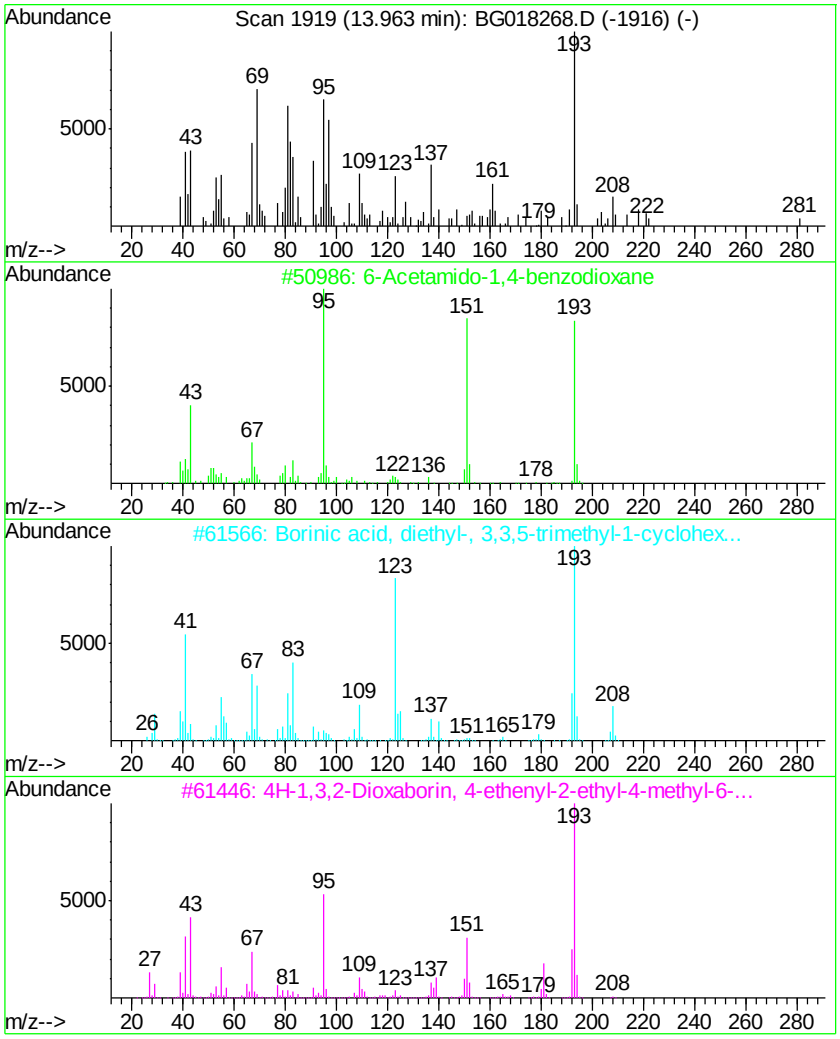
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

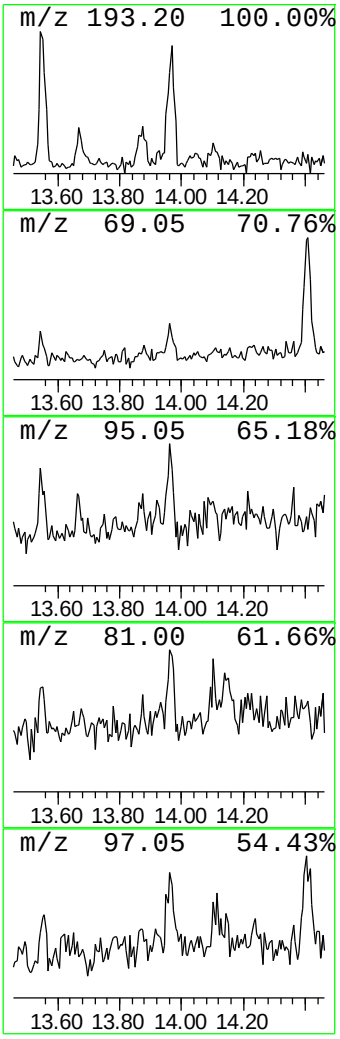
****

Peak Number 7 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	2.50 ng/ul	59090	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Acetamido-1,4-benzodioxane	193	C10H11NO3	063546-19-0	38
2	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	38
3	4H-1,3,2-Dioxaborin, 4-ethenyl-2...	208	C12H21BO2	074630-04-9	38
4	11,13-Dimethyl-12-tetradecen-1-o...	282	C18H34O2	1000130-81-0	30
5	Acridine, 9-methyl-	193	C14H11N	000611-64-3	22





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Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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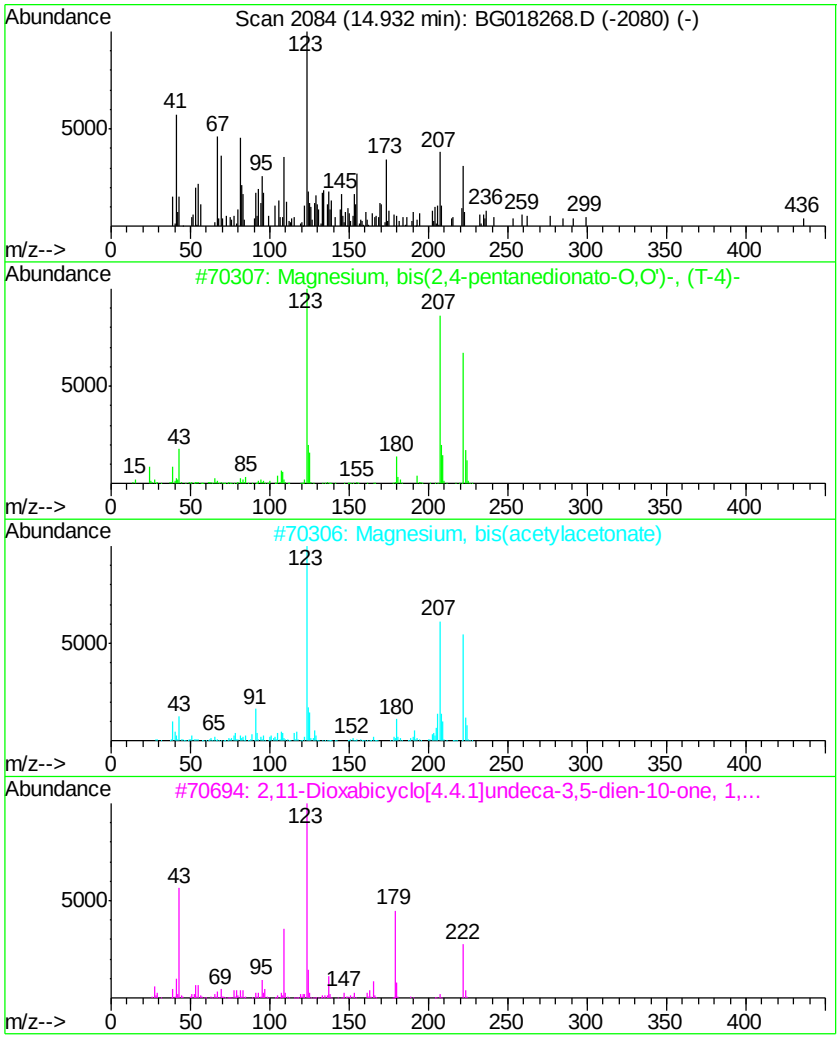
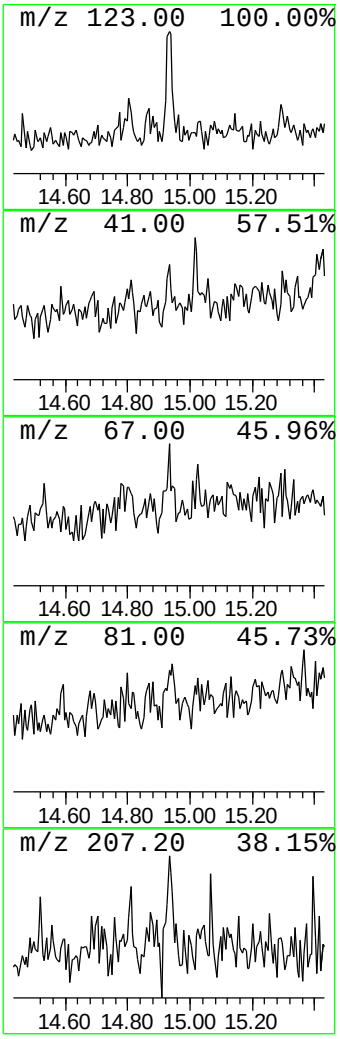
Peak Number 8 Magnesium, bis(2,4-pentaned... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.10 ng/ul	73394	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Magnesium, bis(2,4-pentanedionat...	222	C10H14MgO4	014024-56-7	60
2	Magnesium, bis(acetylacetonate)	222	C10H14MgO4	068488-07-3	49
3	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	43
4	Ethanone, 1-[3-[2-methyl-2-(5-me...	222	C13H18O3	080114-28-9	35
5	Bicyclo[4.1.0]heptane-7-carboxam...	232	C11H12N4O2	1000261-61-9	30





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Misc :
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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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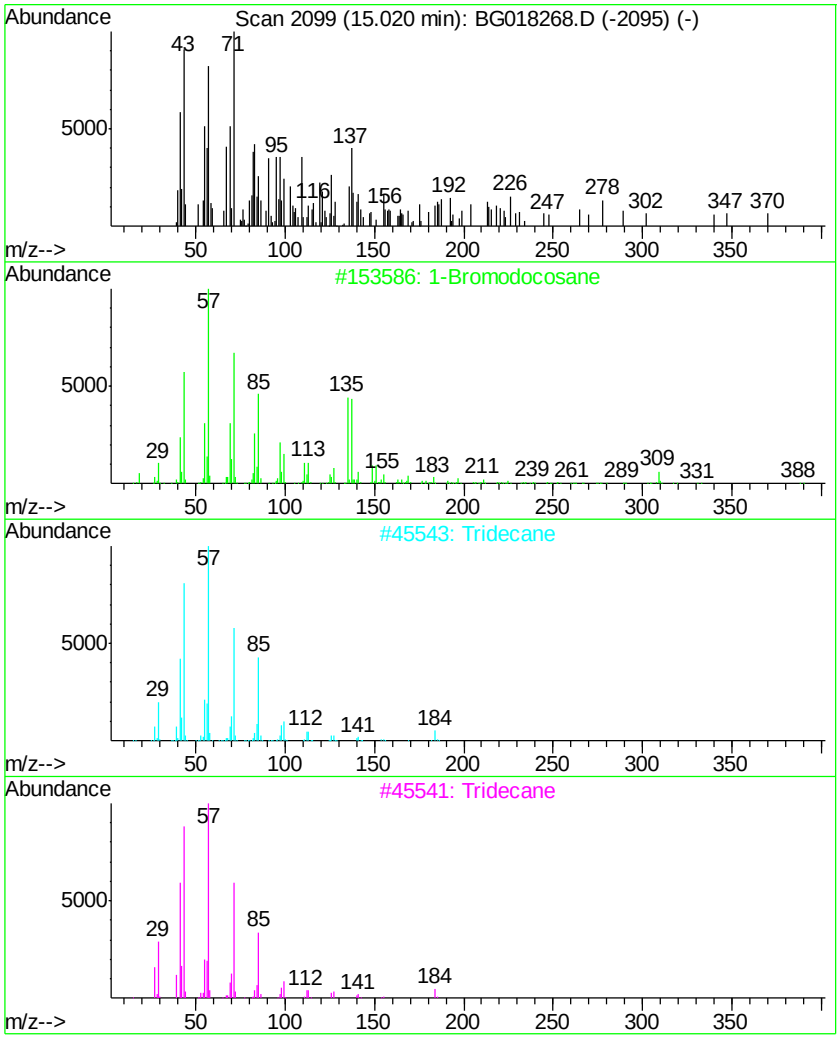
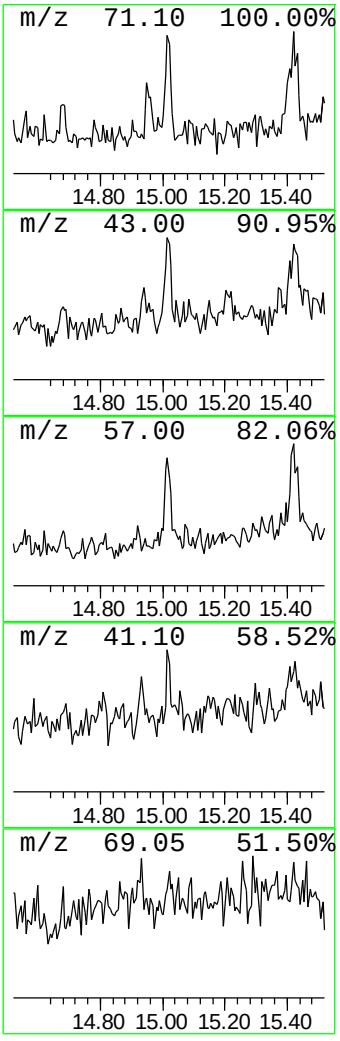
Peak Number 9 unknown-04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.10 ng/ul	49662	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromodocosane	388	C22H45Br	006938-66-5	43
2	Tridecane	184	C13H28	000629-50-5	30
3	Tridecane	184	C13H28	000629-50-5	27
4	sec-Butyl pentyl disulfide	192	C9H20S2	075203-64-4	27
5	Undeca-4,8-dione	184	C11H20O2	013505-35-6	27





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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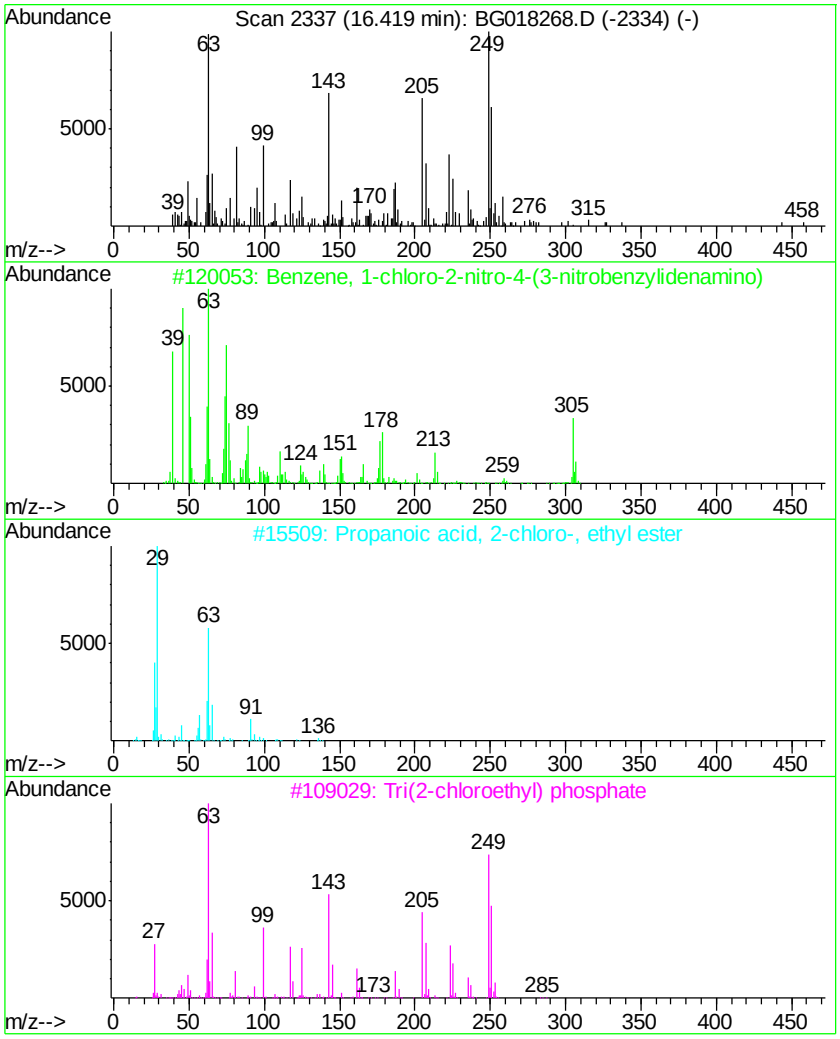
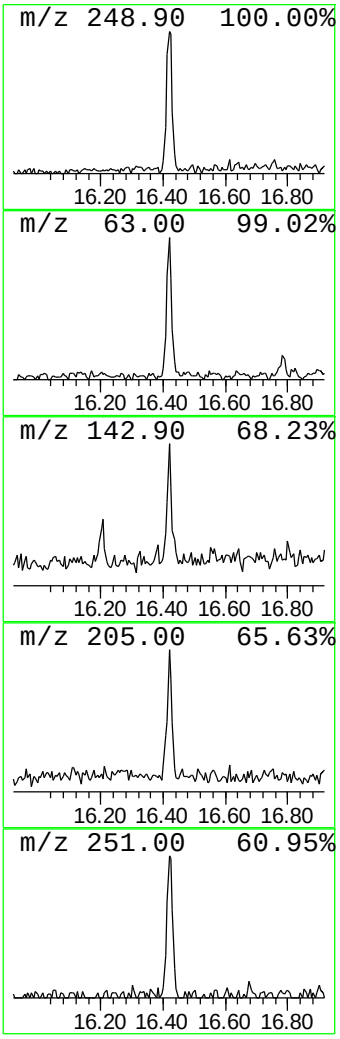
Peak Number 10 unknown-05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	7.13 ng/ul	142094	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-4-(3-n...	305	C13H8ClN3O4	306744-55-8	38
2	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	35
3	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	35
4	Benzene, 1-[(2-chloroethyl)sulfo...	249	C8H8ClNO4S	006461-63-8	33
5	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	25





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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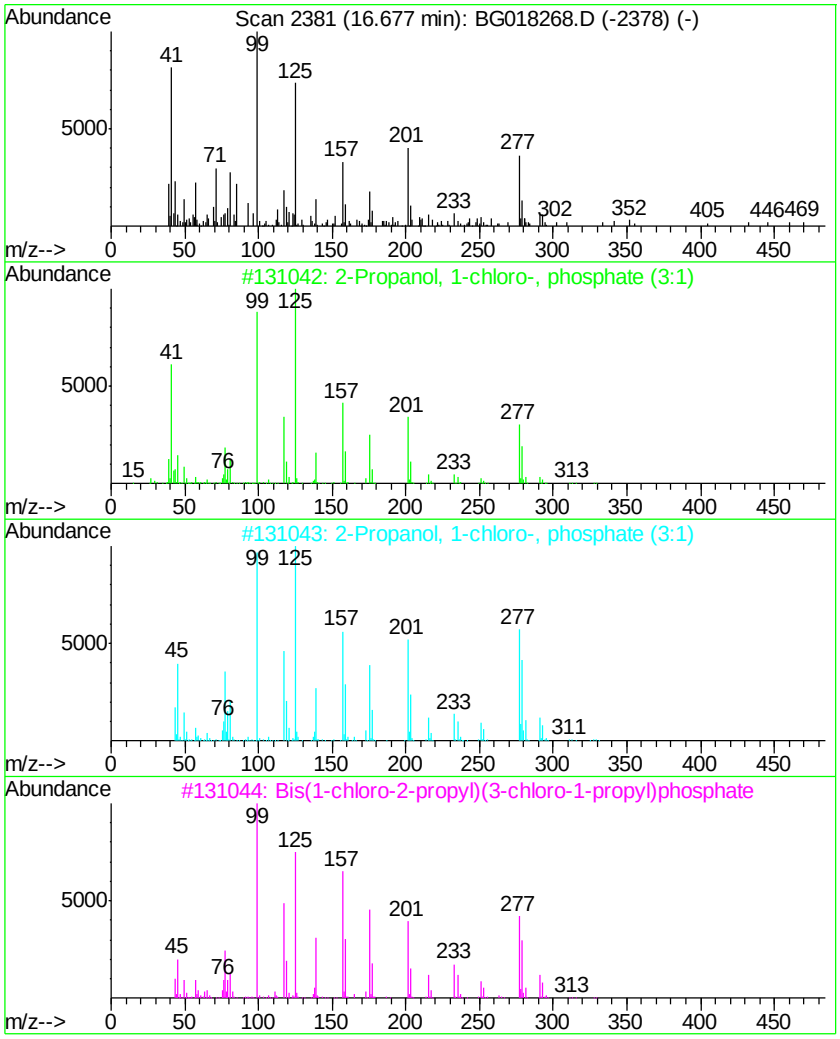
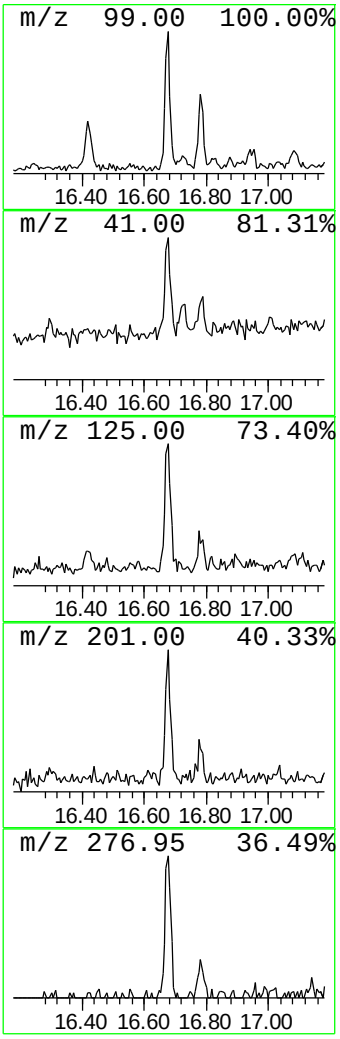
Peak Number 11 unknown-06 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	5.08 ng/ul	101268	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	49
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	38
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	20
4	Furan, 2,5-dihydro-2,5-dimethoxy-	130	C6H10O3	000332-77-4	10
5	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	10





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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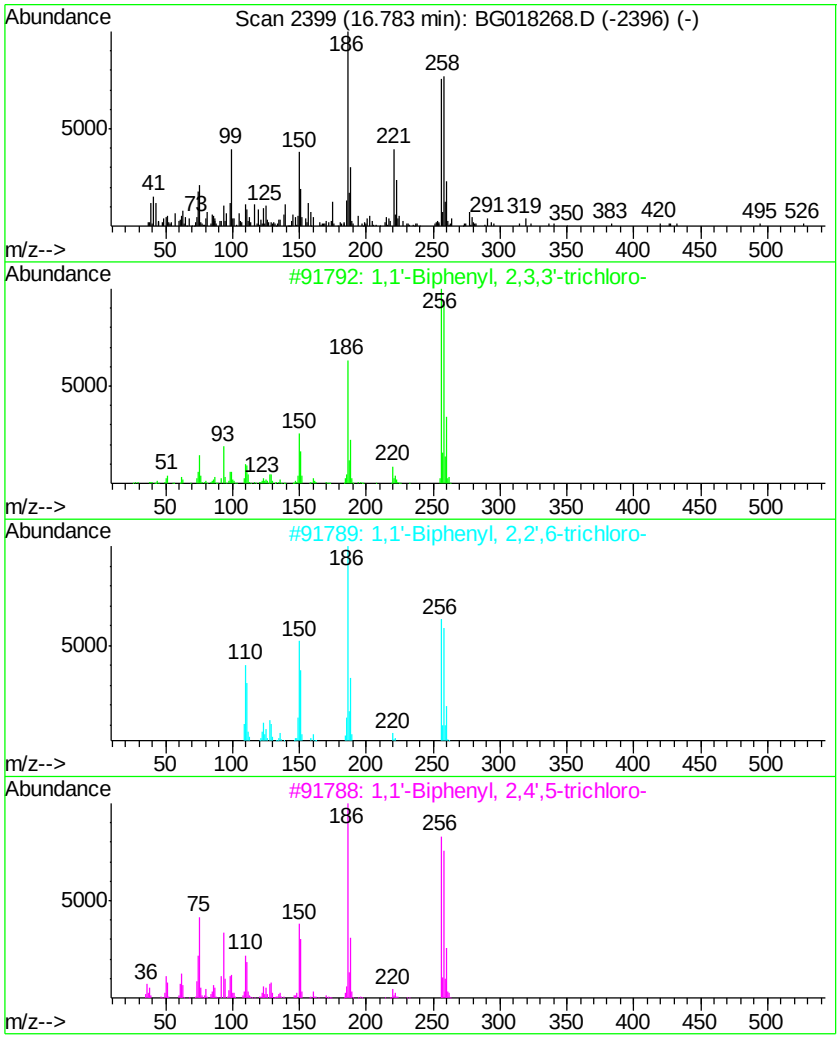
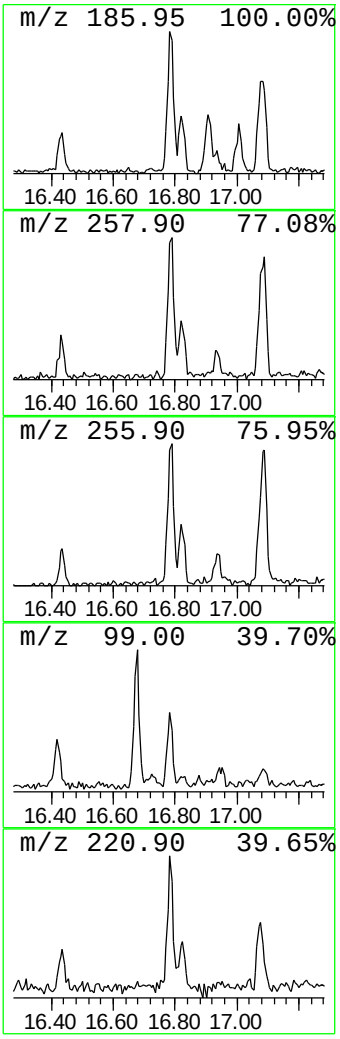
Peak Number 12 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	7.92 ng/ul	157831	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	93
2	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	90
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	89
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	89
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	89





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Sample : G3109-12
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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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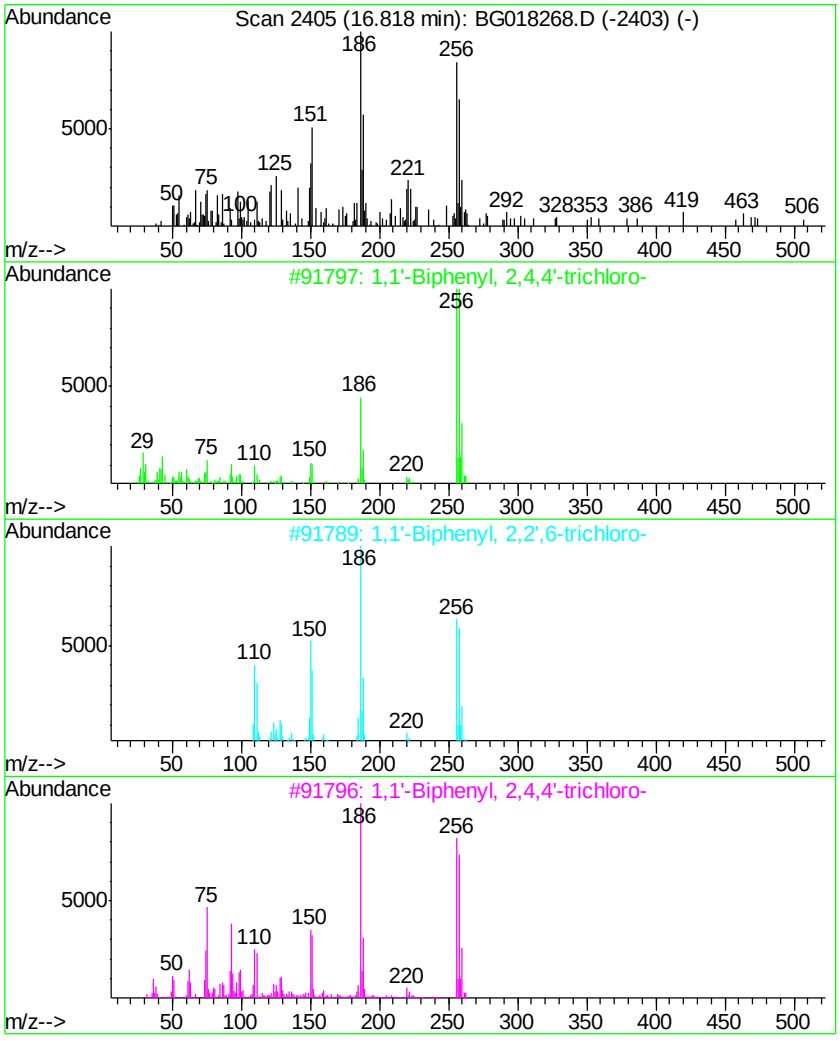
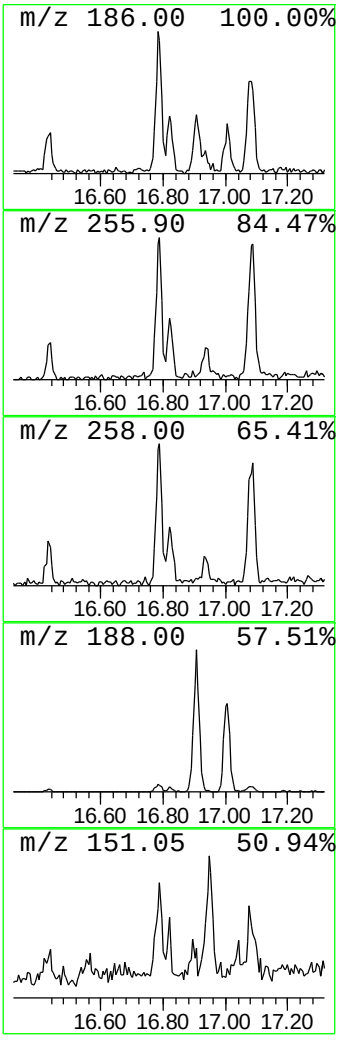
Peak Number 13 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.88 ng/ul	57358	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	87
2	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	83
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	81
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	81
5	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	81





Library Search Compound Report

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Sample : G3109-12
Misc :
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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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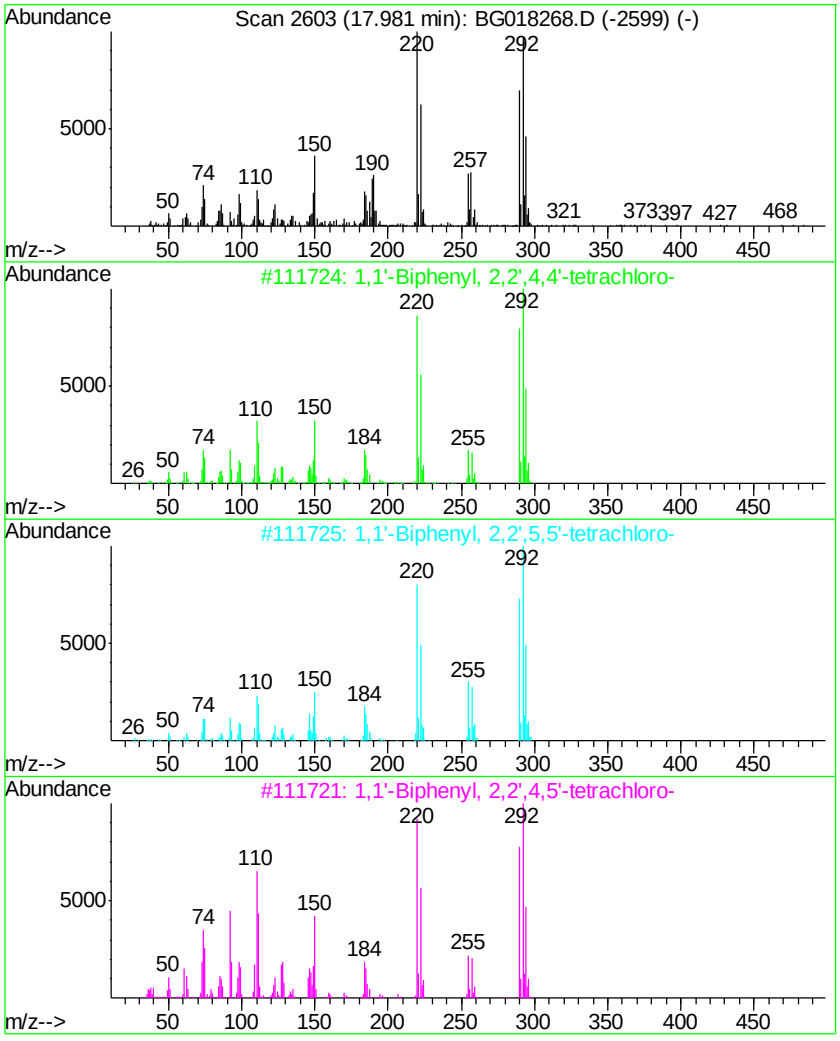
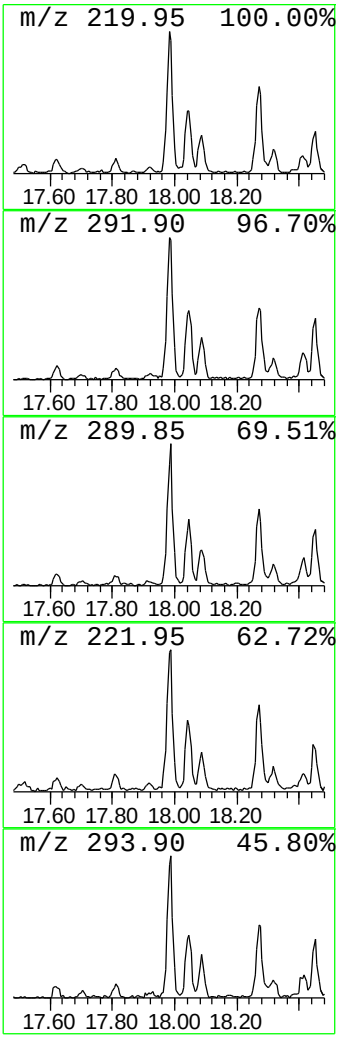
Peak Number 15 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	29.17 ng/ul	581122	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98





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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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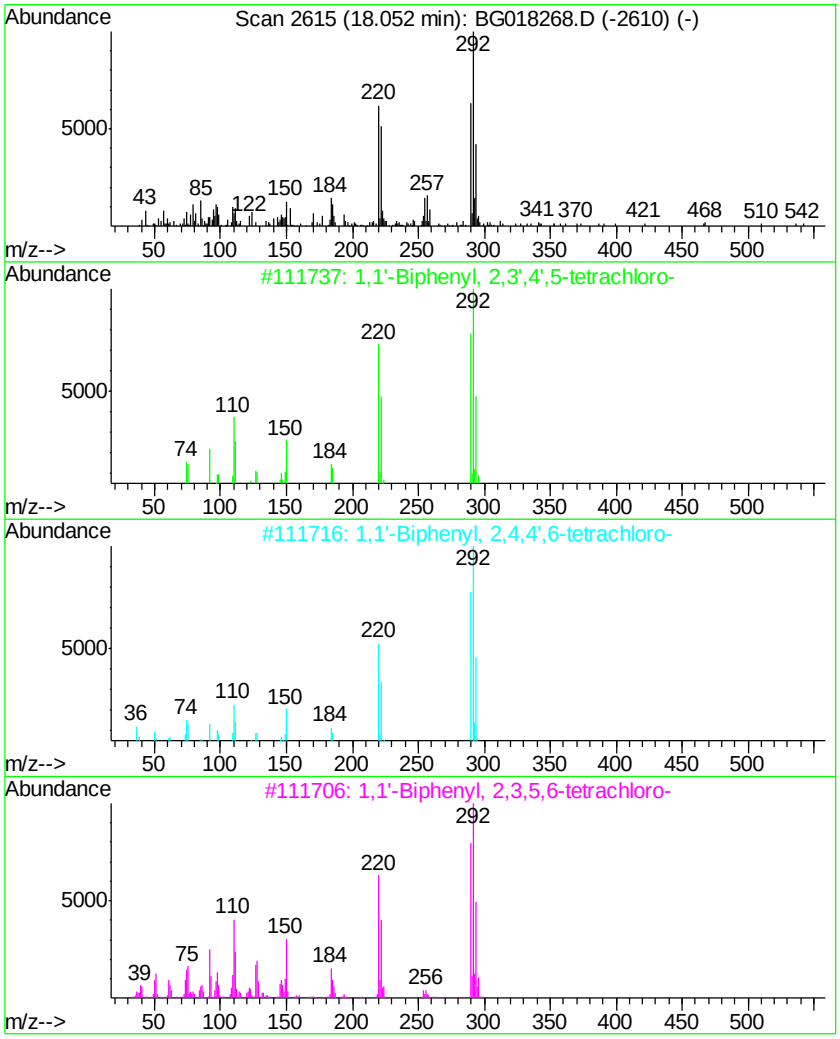
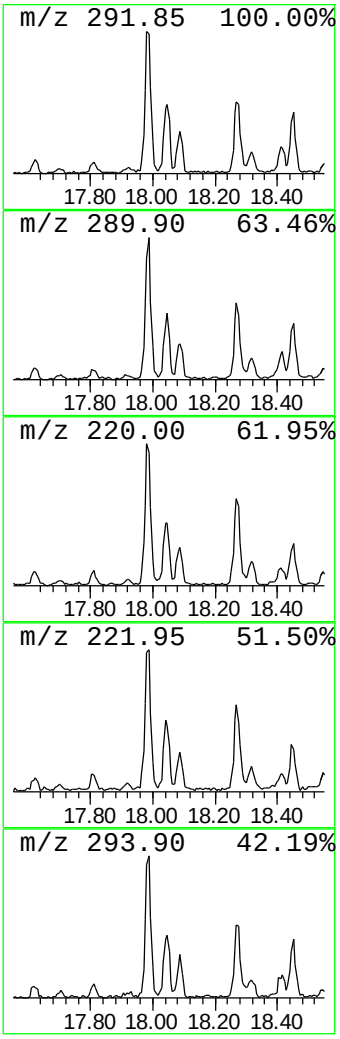
Peak Number 16 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	10.31 ng/ul	205272	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95
2	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	95
3	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	94
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	94
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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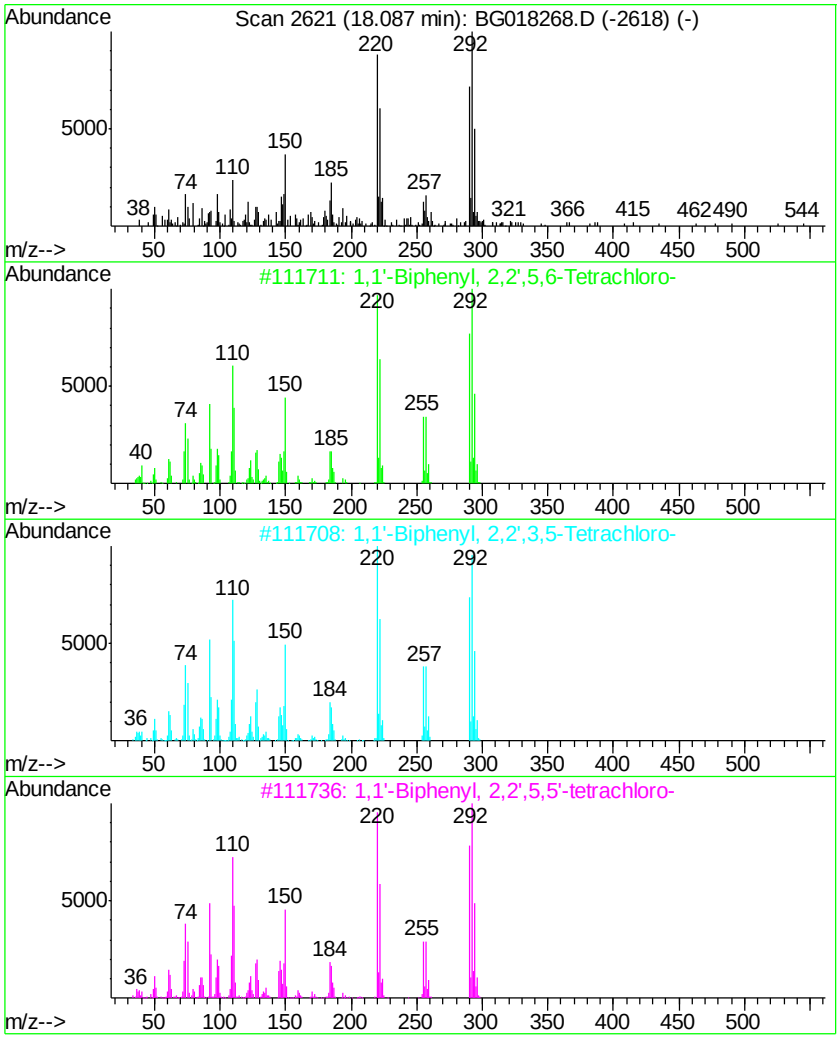
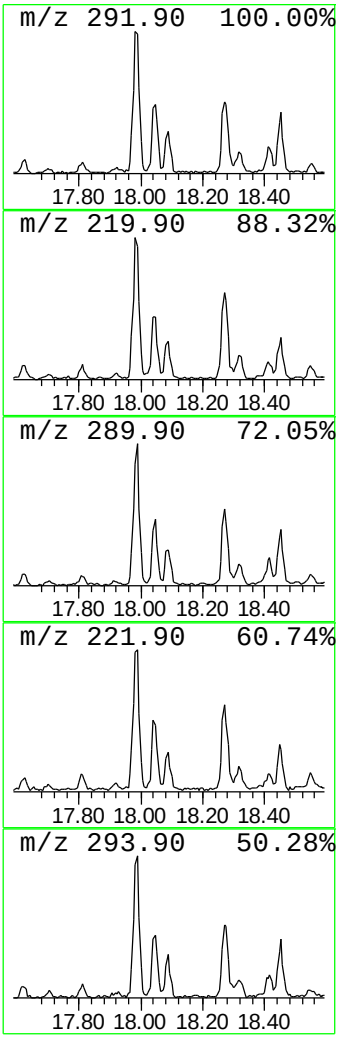
Peak Number 17 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.50 ng/ul	109480	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	94
2	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	94
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	94
4	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	93
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	93





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Quant Title : SVOA CALIBRATION

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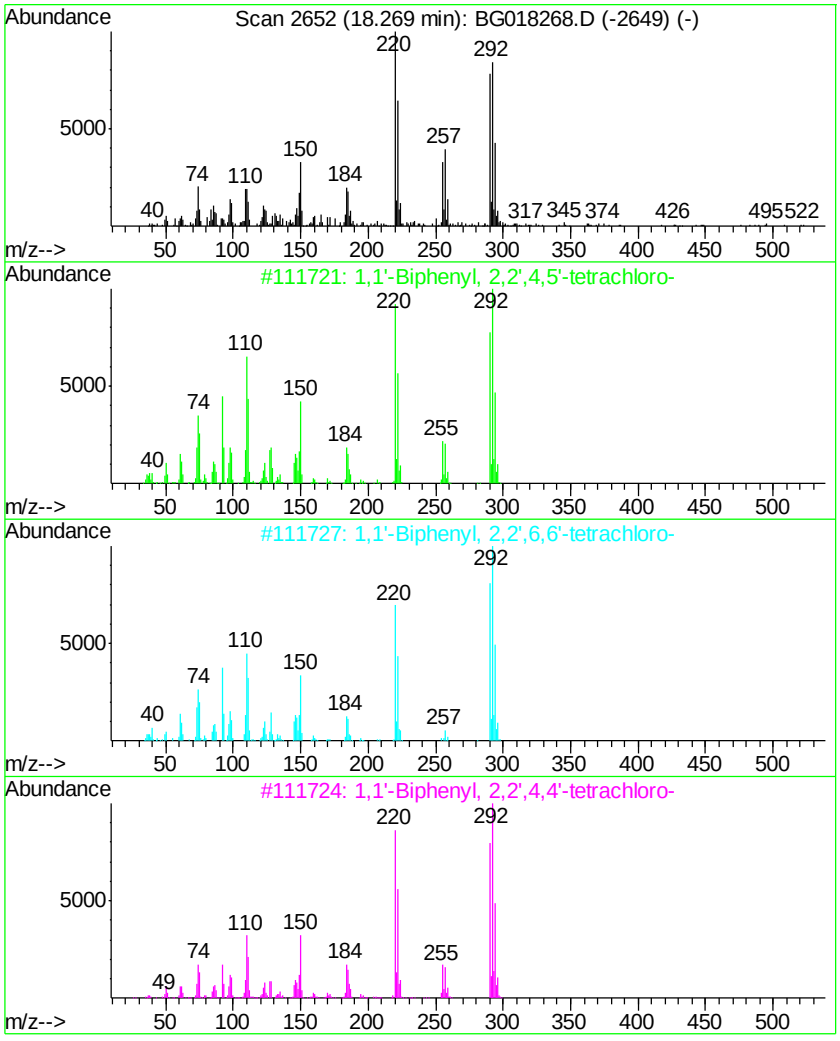
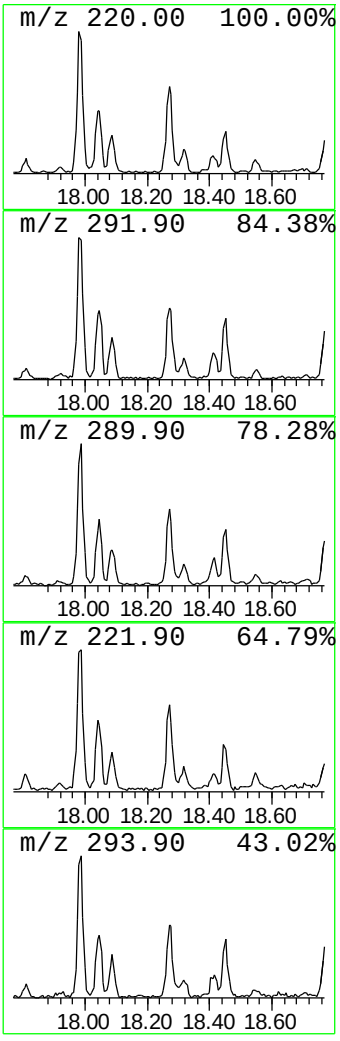
Peak Number 18 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	15.24 ng/ul	303545	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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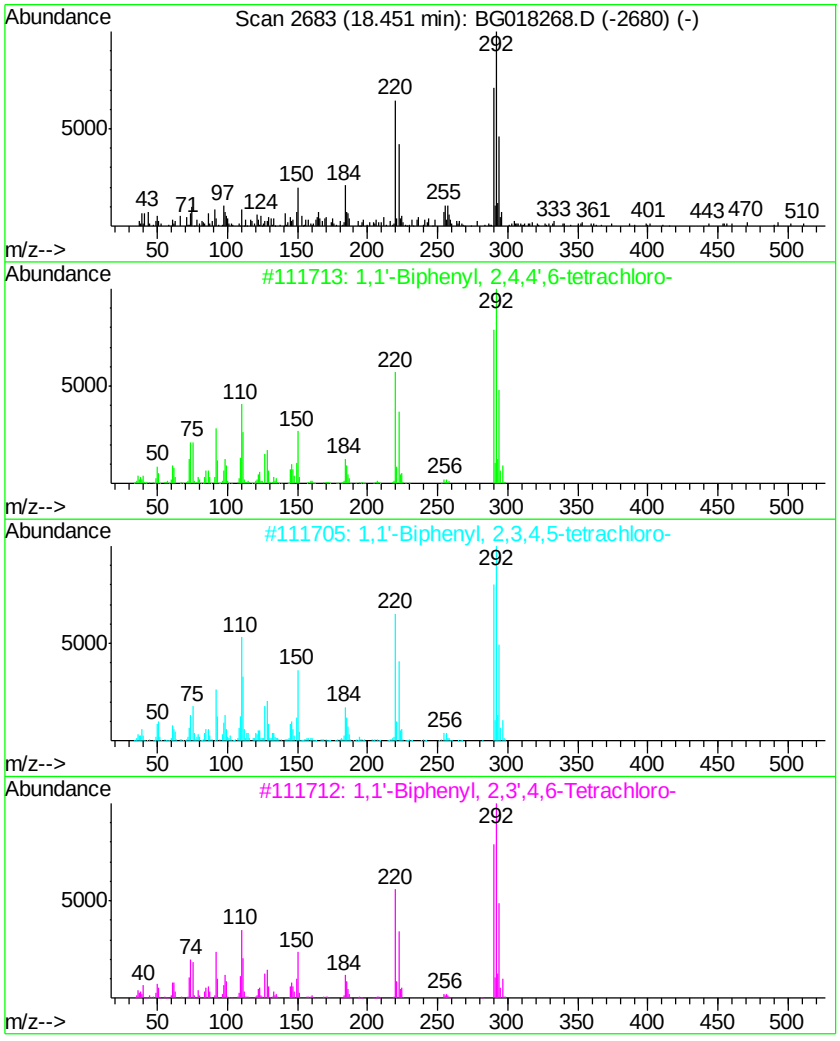
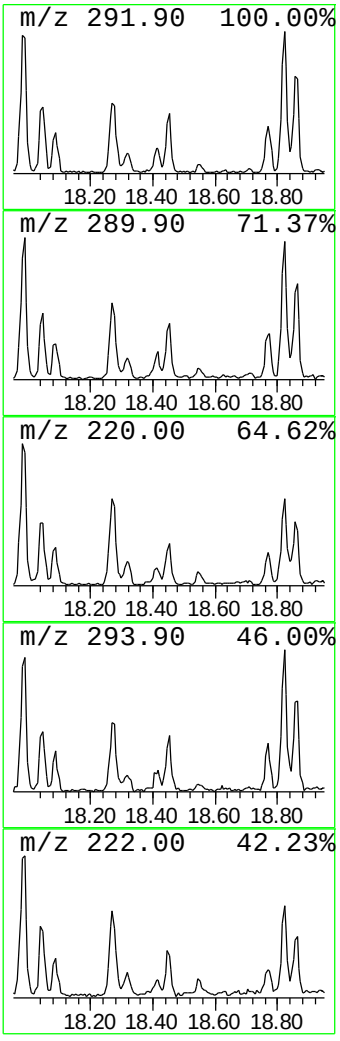
Peak Number 19 1,1'-Biphenyl, 2,4,4',6-tet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.16 ng/ul	122754	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	95
2	1,1'-Biphenyl, 2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	95
3	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	94
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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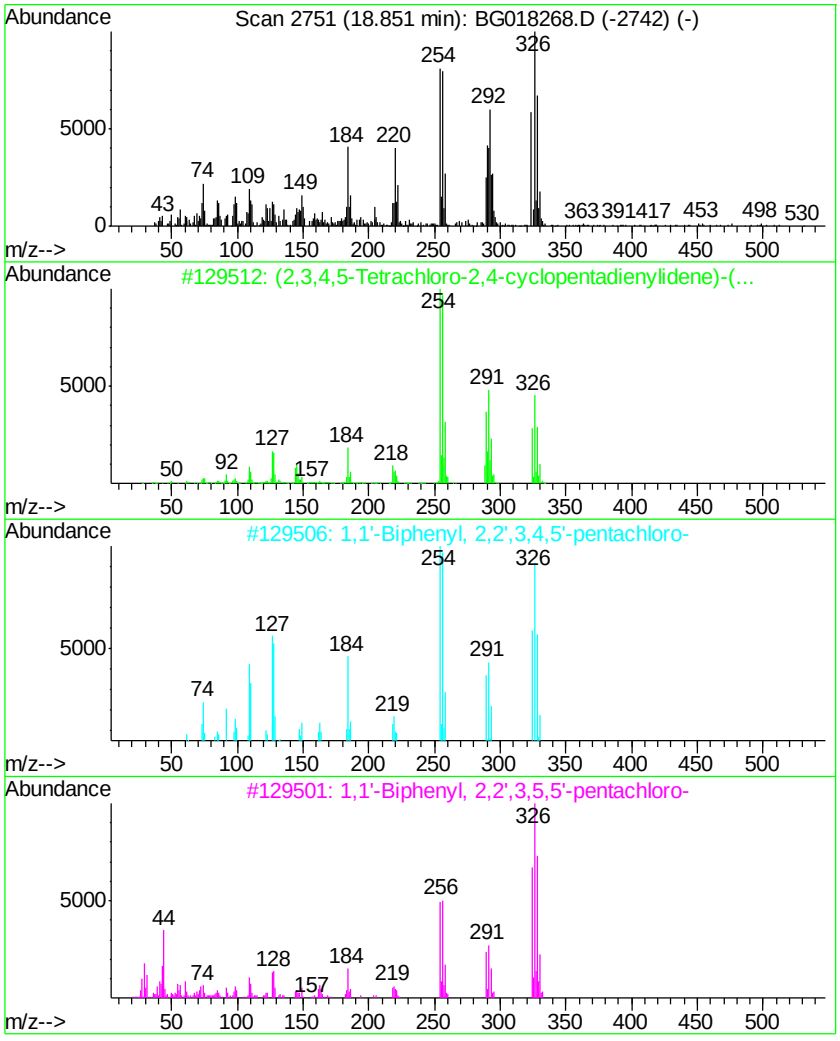
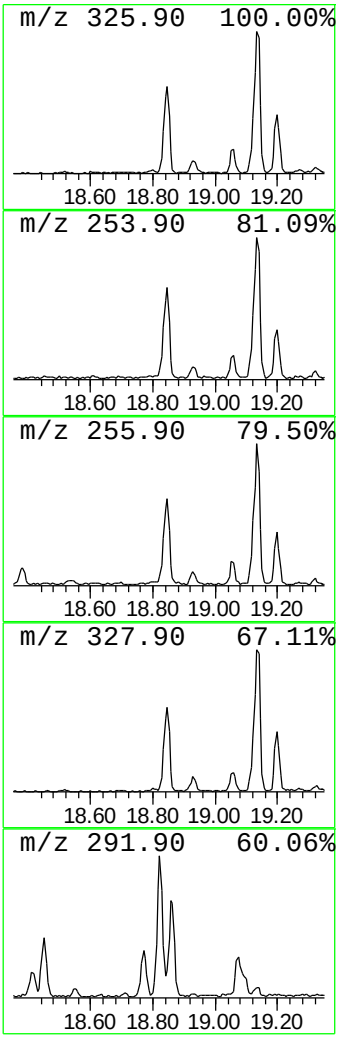
Peak Number 20 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	67.64 ng/ul	1347400	Phenanthrene-d10	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	97
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	96
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	95





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Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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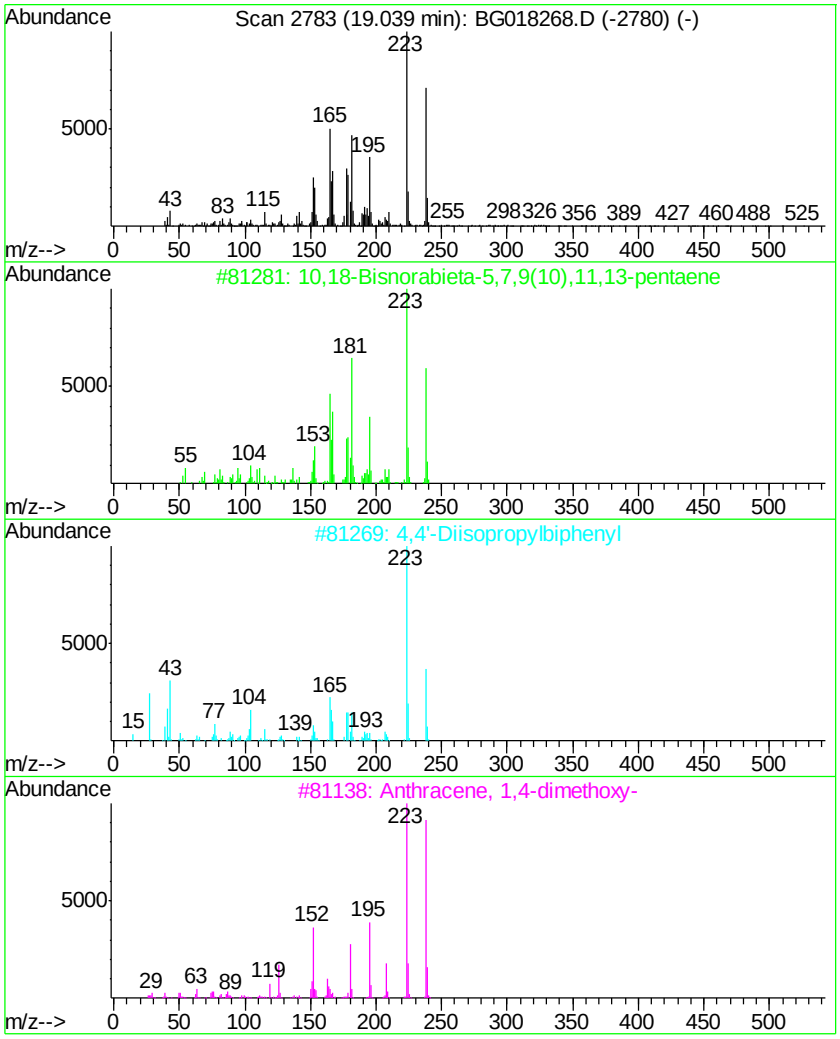
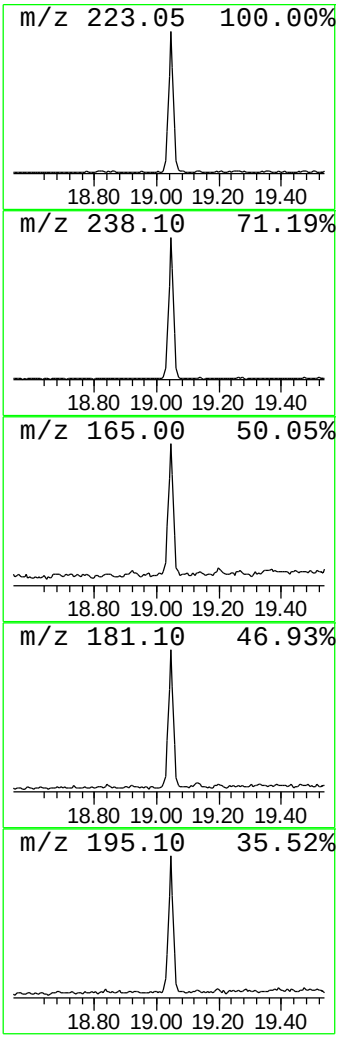
Peak Number 21 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.89 ng/ul	1562860	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	98
2	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
3	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	55
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
5	2-Isopropylxanthen-9-one	238	C16H14O2	069737-66-2	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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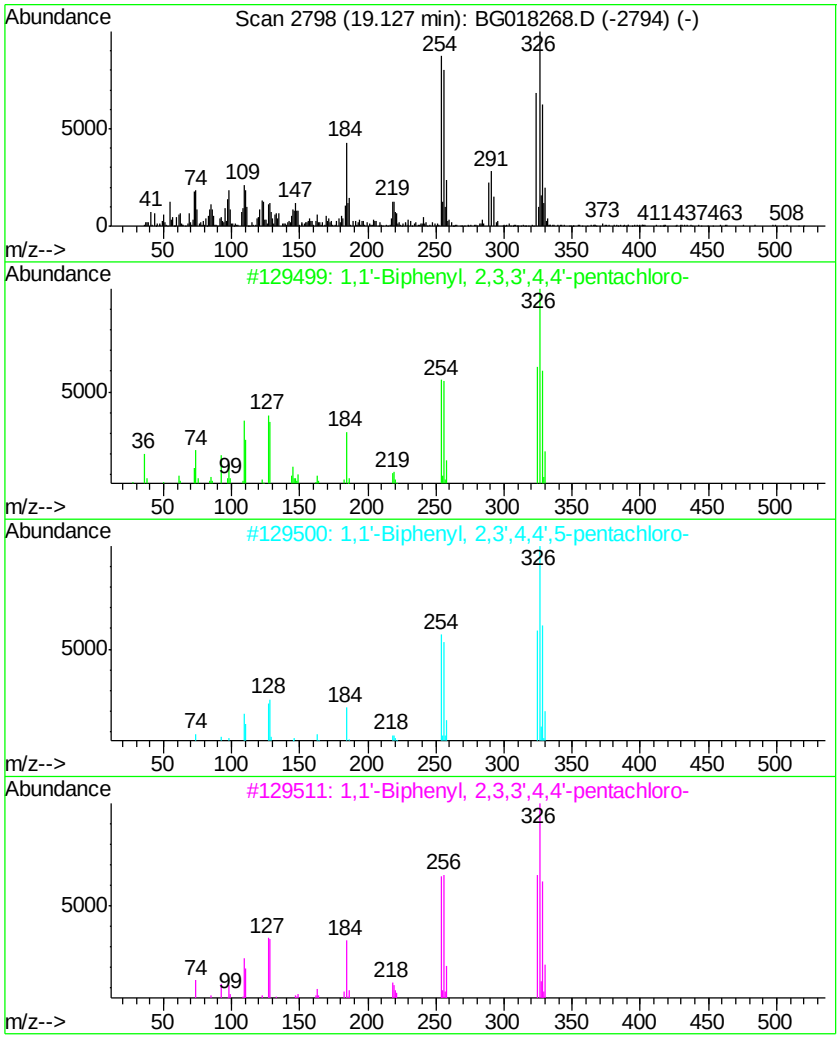
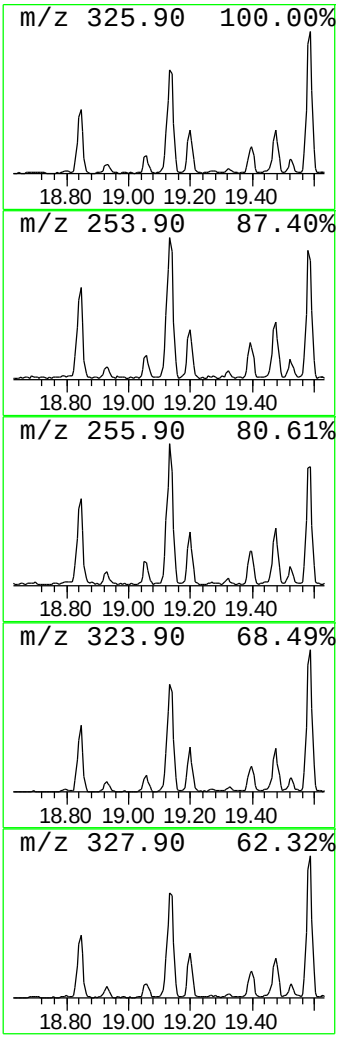
Peak Number 22 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.07 ng/ul	1119100	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	96
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
4	1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	95
5	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	94





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Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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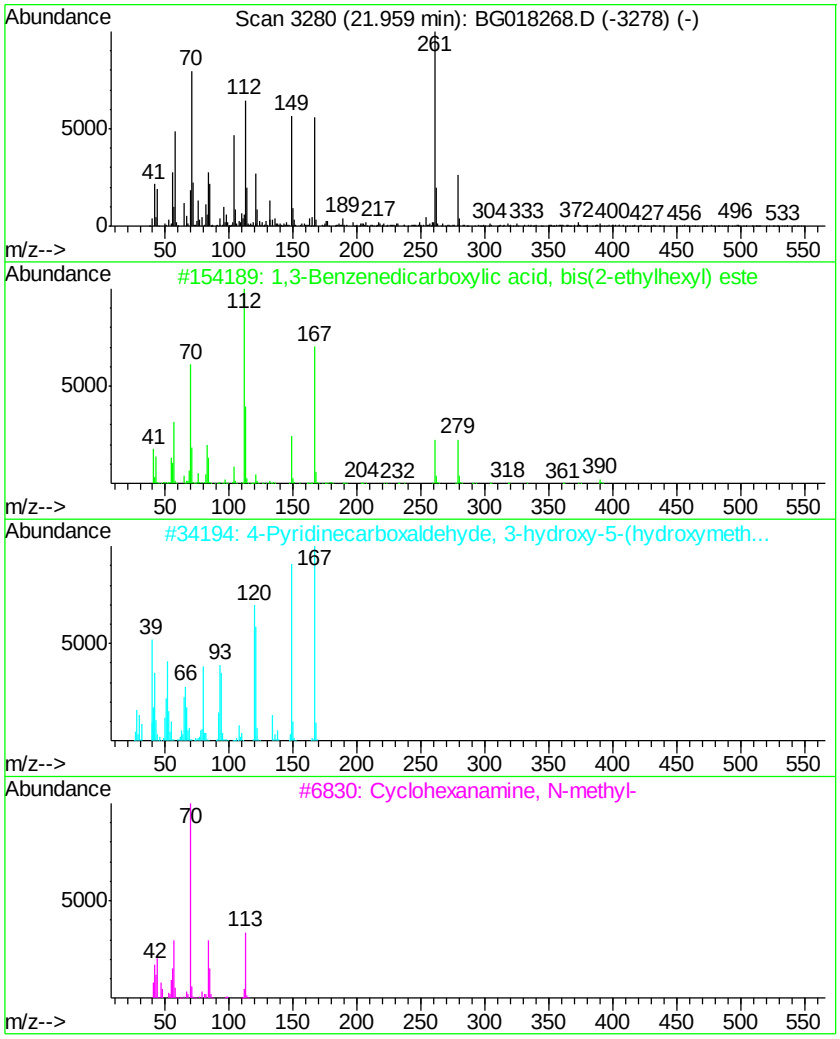
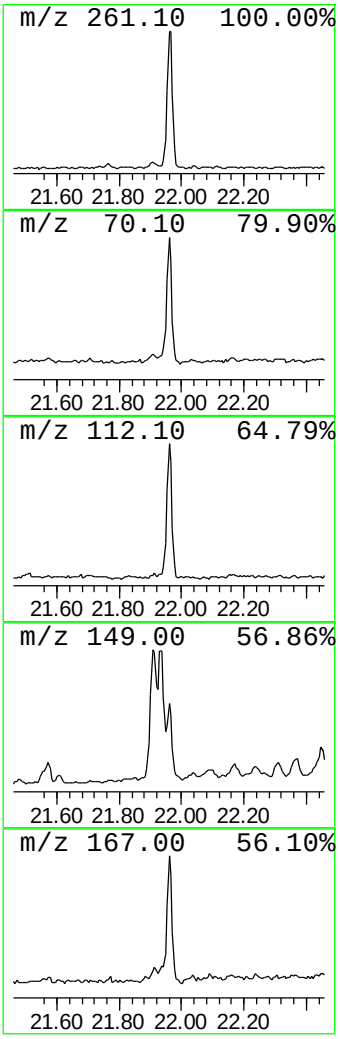
Peak Number 23 unknown-07 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	4.32 ng/ul	2339980	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	16
2	4-Pyridinecarboxaldehyde, 3-hydr...	167	C8H9NO3	000066-72-8	15
3	Cyclohexanamine, N-methyl-	113	C7H15N	000100-60-7	14
4	2-Undecene, 3-methyl-, (E)-	168	C12H24	074630-47-0	10
5	1H-Indole, 3-phenyl-2-(trifluoro...	261	C15H10F3N	163064-77-5	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
Acq On : 5 Aug 2015 00:45
Operator : UM/TP
Sample : G3109-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,2,4-tr...	7.10	2.8	ng/ul	36086	1	7.46	261013	20.0
.gamma.-Chlorobut...	8.28	2.3	ng/ul	29997	1	7.46	261013	20.0
Phosphoric acid, ...	8.94	2.6	ng/ul	51893	2	10.24	404778	20.0
unknown-01	12.71	5.8	ng/ul	138149	3	14.14	473066	20.0
unknown-02	12.96	2.6	ng/ul	61619	3	14.14	473066	20.0
unknown-03	13.96	2.5	ng/ul	59090	3	14.14	473066	20.0
Magnesium, bis(2,...	14.93	3.1	ng/ul	73394	3	14.14	473066	20.0
unknown-04	15.02	2.1	ng/ul	49662	3	14.14	473066	20.0
unknown-05	16.42	7.1	ng/ul	142094	4	16.91	398387	20.0
unknown-06	16.68	5.1	ng/ul	101268	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	16.78	7.9	ng/ul	157831	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	16.82	2.9	ng/ul	57358	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	17.98	29.2	ng/ul	581122	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	18.05	10.3	ng/ul	205272	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	18.09	5.5	ng/ul	109480	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	18.27	15.2	ng/ul	303545	4	16.91	398387	20.0
1,1'-Biphenyl, 2,...	18.45	6.2	ng/ul	122754	4	16.91	398387	20.0
(2,3,4,5-Tetrachl...	18.85	67.6	ng/ul	1347400	4	16.91	398387	20.0
10,18-Bisnorabiet...	19.04	2.9	ng/ul	1562860	5	21.12	10832300	20.0
1,1'-Biphenyl, 2,...	19.13	2.1	ng/ul	1119100	5	21.12	10832300	20.0
unknown-07	21.96	4.3	ng/ul	2339980	5	21.12	10832300	20.0