LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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-BG102815.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	3.126	43	49	58	rBV2	40008	77291	4.21%	0.356%
2	3.208	58	63	74	rVB	101759	157832	8.60%	0.727%
3	7.327	759	764	770	rVB3	14525	23244	1.27%	0.107%
4	7.492	786	792	799	rBV	61701	100188	5.46%	0.462%
5	7.703	821	828	834	rBV3	59691	101433	5.52%	0.468%
6	8.179	902	909	917	rVB	131009	220737	12.02%	1.017%
7	8.555	968	973	979	rBV2	29636	48016	2.62%	0.221%
8	8.878	1022	1028	1034	rBV2	48235	82721	4.51%	0.381%
9	9.348	1102	1108	1119	rVB3	89958	208205	11.34%	0.960%
10	9.548	1134	1142	1148	rVB3	26771	44431	2.42%	0.205%
11	9.671	1156	1163	1169	rBV4	15097	30967	1.69%	0.143%
12	9.736	1169	1174	1179	rVB2	14440	20283	1.10%	0.093%
13	10.077	1226	1232	1241	rVB2	83653	146573	7.98%	0.676%
14	10.241	1255	1260	1267	rBV3	10428	18699	1.02%	0.086%
15	10.400	1280	1287	1295	rBV3	22246	40338	2.20%	0.186%
16	10.617	1317	1324	1333	rBV	109133	197514	10.76%	0.910%
17	11.005	1384	1390	1396	rVV	185978	349770	19.05%	1.612%
18	11.058	1396	1399	1404	rVV3	41801	66697	3.63%	0.307%
19	11.181	1412	1420	1427	rVV	311192	577887	31.47%	2.664%
20	11.240	1427	1430	1437	rVV3	11738	20413	1.11%	0.094%
21	11.416	1455	1460	1467	rVB5	9956	19445	1.06%	0.090%
22	11.910	1539	1544	1551	rBV3	11310	19199	1.05%	0.088%
23	12.110	1571	1578	1587	rBV2	82004	147918	8.06%	0.682%
24	12.550	1647	1653	1663	rVB2	39600	66989	3.65%	0.309%
25	12.868	1698	1707	1715	rVB2	108453	204725	11.15%	0.944%
26	13.649	1832	1840	1849	rBV	539952	831253	45.27%	3.831%
27	13.866	1873	1877	1883	rVB3	27325	47001	2.56%	0.217%
28	13.984	1895	1897	1904	rVB6	14338	23695	1.29%	0.109%
29	14.054	1904	1909	1914	rVB3	12514	17049	0.93%	0.079%
30	14.131	1915	1922	1929	rBV	106068	191651	10.44%	0.883%
31	14.207	1929	1935	1940	rVB	272611	402691	21.93%	1.856%
32	14.366	1957	1962	1966	rVV	63742	113884	6.20%	0.525%
33	14.401	1966	1968	1974	rVB2	33823	38878	2.12%	0.179%
34	14.507	1979	1986	1996	rVB	260367	510624	27.81%	2.354%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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-BG102815.M
Title : SVOA CALIBRATION

35	14.777	2026	2032	2033	rBV3	28194	40156	2.19%	0.185%
36	14.812	2033	2038	2043	rVV2	356948	557657	30.37%	2.570%
37	14.877	2043	2049	2055	rVV	980121	1507110	82.09%	6.947%
38	14.936	2055	2059	2065	rVB3	18476	23764	1.29%	0.110%
39	14.995	2065	2069	2074	rBV3	22849	42775	2.33%	0.197%
40	15.118	2081	2090	2099	rBV	56908	115264	6.28%	0.531%
41	15.206	2099	2105	2112	rVB	1213439	1836022	100.00%	8.463%
42	15.412	2132	2140	2147	rBV3	31819	62959	3.43%	0.290%
43	15.506	2152	2156	2163	rVV4	32561	60284	3.28%	0.278%
44	15.582	2163	2169	2172	rVV5	15836	33978	1.85%	0.157%
45	15.623	2173	2176	2181	rVV4	15569	23353	1.27%	0.108%
46	15.758	2194	2199	2201	rVV3	27330	46495	2.53%	0.214%
47	15.799	2201	2206	2210	rVV	353908	548484	29.87%	2.528%
48	15.852	2210	2215	2220	rVV2	211421	335869	18.29%	1.548%
49	15.905	2220	2224	2228	rVV	138461	201850	10.99%	0.930%
50	15.941	2228	2230	2232	rVV2	22180	27934	1.52%	0.129%
51	15.976	2233	2236	2239	rVV4	41882	65646	3.58%	0.303%
52	16.011	2239	2242	2247	rVV5	47226	81067	4.42%	0.374%
53	16.064	2247	2251	2254	rVV4	24361	44991	2.45%	0.207%
54	16.099	2254	2257	2260	rVV2	45881	67930	3.70%	0.313%
55	16.140	2260	2264	2272	rVV	140099	223549	12.18%	1.030%
56	16.246	2278	2282	2284	rVV2	21933	32472	1.77%	0.150%
57	16.287	2284	2289	2298	rVV2	146603	325586	17.73%	1.501%
58	16.381	2298	2305	2311	rVB2	28433	50578	2.75%	0.233%
59	16.528	2317	2330	2336	rBV	259524	420869	22.92%	1.940%
60	16.798	2372	2376	2377	rBV2	26891	28983	1.58%	0.134%
61	17.004	2405	2411	2414	rBV3	21746	33879	1.85%	0.156%
62	17.080	2420	2424	2427	rVB4	11176	15989	0.87%	0.074%
63	17.145	2433	2435	2440	rBV5	9444	15273	0.83%	0.070%
64	17.198	2440	2444	2450	rVB	40741	69612	3.79%	0.321%
65	17.280	2452	2458	2459	rBV5	14091	24034	1.31%	0.111%
66	17.368	2465	2473	2478	rVV	123958	199970	10.89%	0.922%
67	17.415	2478	2481	2485	rVB5	18455	26101	1.42%	0.120%
68	17.497	2490	2495	2498	rBV5	21337	39349	2.14%	0.181%
69	17.550	2498	2504	2508	rBV	512544	807589	43.99%	3.722%
70	17.592	2508	2511	2516	rVB	476454	641110	34.92%	2.955%
71	17.650	2516	2521	2525	rBV	399500	592015	32.24%	2.729%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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-BG102815.M
Title : SVOA CALIBRATION

72	17.744	2532	2537	2545	rVB2	24553	42279	2.30%	0.195%
73	17.950	2566	2572	2578	rVV	853672	1301734	70.90%	6.000%
74	18.003	2578	2581	2584	rVV2	23597	34177	1.86%	0.158%
75	18.044	2584	2588	2593	rVV4	30545	52125	2.84%	0.240%
76	18.103	2594	2598	2605	rVV4	21101	42892	2.34%	0.198%
77	18.173	2608	2610	2614	rVB5	22131	27602	1.50%	0.127%
78	18.338	2634	2638	2643	rBV3	21671	36894	2.01%	0.170%
79	18.420	2648	2652	2656	rVV2	44857	63354	3.45%	0.292%
80	18.467	2656	2660	2666	rVB2	107501	149731	8.16%	0.690%
81	18.620	2680	2686	2690	rBV2	65849	109600	5.97%	0.505%
82	18.714	2698	2702	2706	rBV	22669	36899	2.01%	0.170%
83	18.761	2706	2710	2714	rVB	50963	64773	3.53%	0.299%
84	18.849	2720	2725	2731	rVV3	58646	89188	4.86%	0.411%
85	18.913	2731	2736	2739	rVV5	22245	30933	1.68%	0.143%
86	18.949	2739	2742	2746	rVB5	20937	27079	1.47%	0.125%
87	19.413	2817	2821	2823	rBV4	15609	23310	1.27%	0.107%
88	19.466	2827	2830	2835	rVB3	36004	50247	2.74%	0.232%
89	19.589	2846	2851	2856	rVB	167842	237016	12.91%	1.092%
90	19.677	2858	2866	2873	rVB5	39205	74832	4.08%	0.345%
91	19.924	2902	2908	2919	rVB2	549856	912064	49.68%	4.204%
92	20.312	2968	2974	2980	rBV2	133661	261298	14.23%	1.204%
93	20.382	2981	2986	2992	rVB	273756	398513	21.71%	1.837%
94	20.664	3031	3034	3038	rVB4	18497	21928	1.19%	0.101%
95	20.993	3086	3090	3093	rBV	50889	74758	4.07%	0.345%
96	21.035	3093	3097	3106	rVB3	90569	171770	9.36%	0.792%
97	21.828	3225	3232	3239	rBV	612145	1064245	57.96%	4.905%
98	22.468	3336	3341	3348	rVB	53243	104194	5.67%	0.480%
99	24.948	3754	3763	3773	rVB	275835	765084	41.67%	3.526%
100	25.177	3793	3802	3818	rVB3	336735	988550	53.84%	4.556%

Sum of corrected areas: 21695856

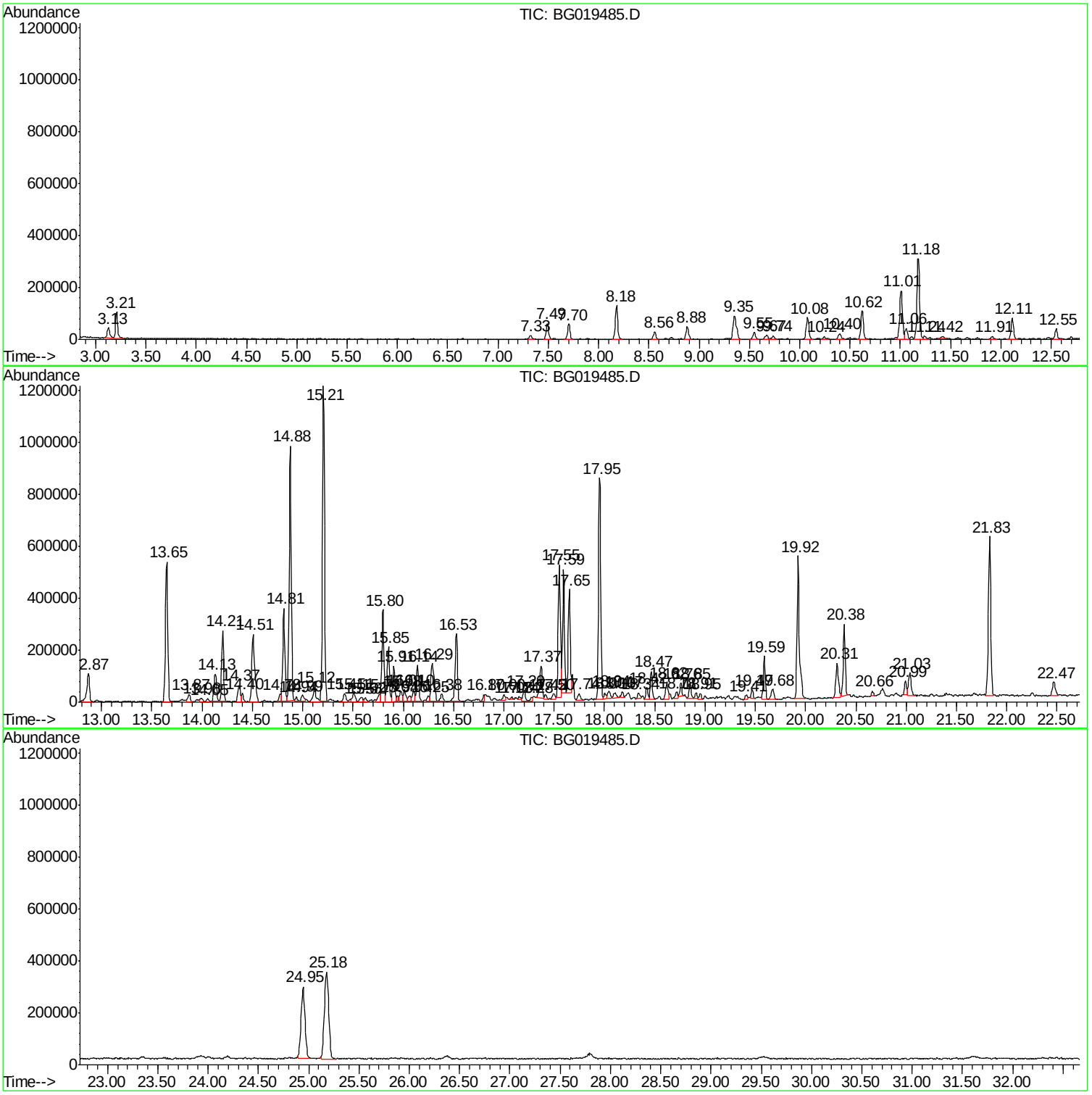
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

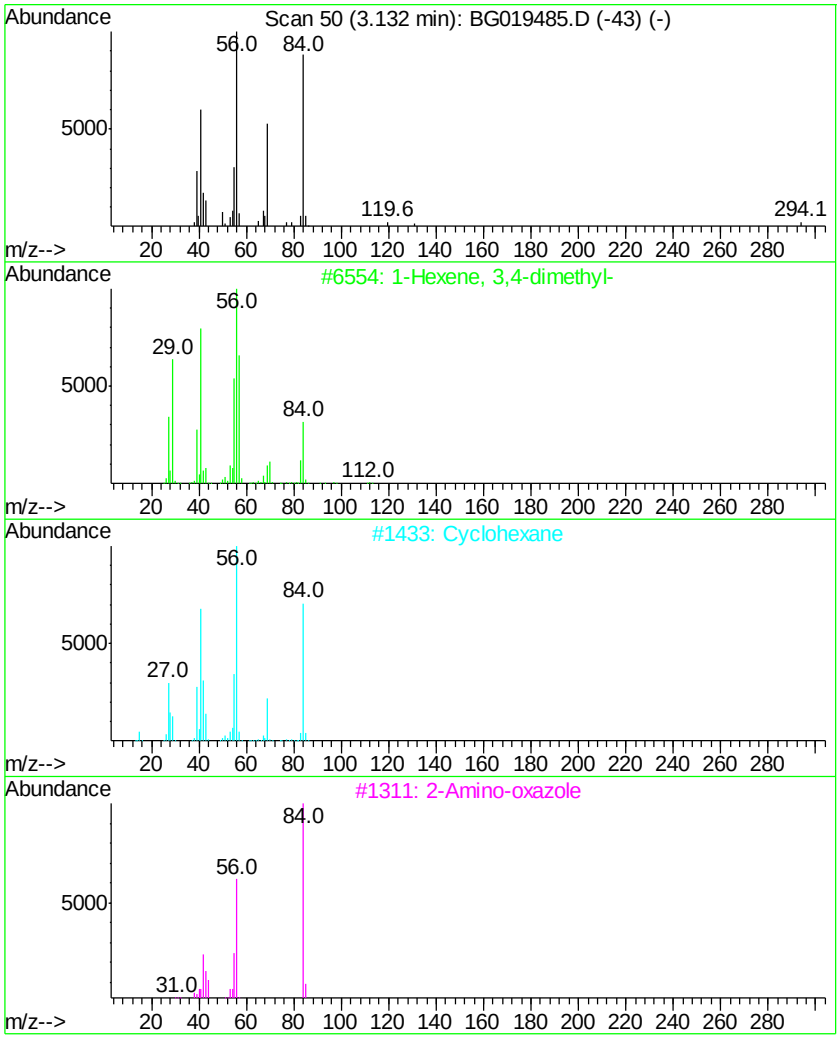
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

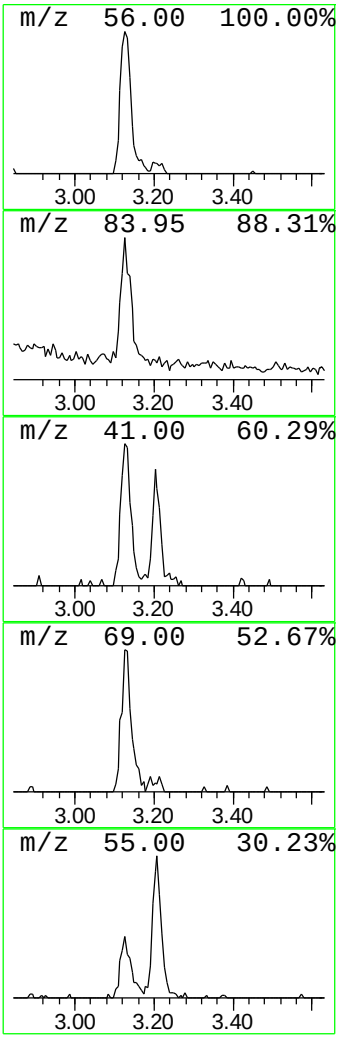
****

Peak Number 1 (DEL) Alkane: Cyclic3.13 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	7.00 ng/ul	77291	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	78
2	Cyclohexane	84	C6H12	000110-82-7	78
3	2-Amino-oxazole	84	C3H4N2O	004570-45-0	64
4	Cyclohexane	84	C6H12	000110-82-7	64
5	Pyridine-D5-	84	C5D5N	007291-22-7	56





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

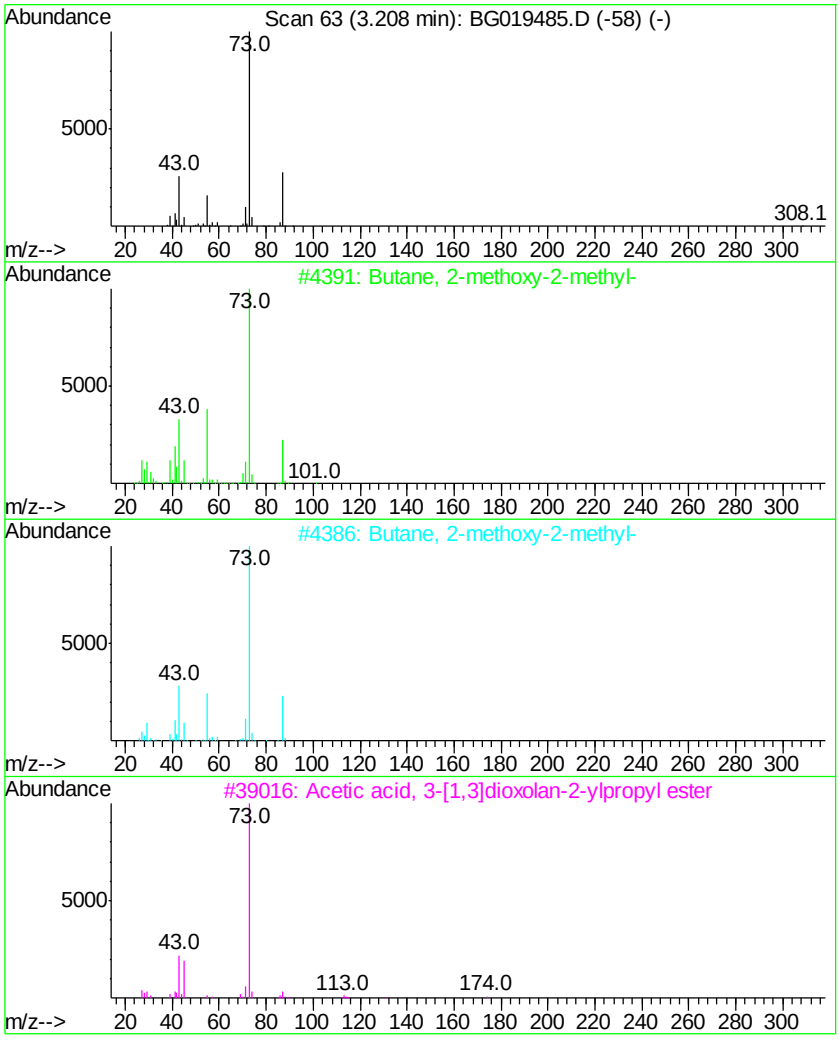
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

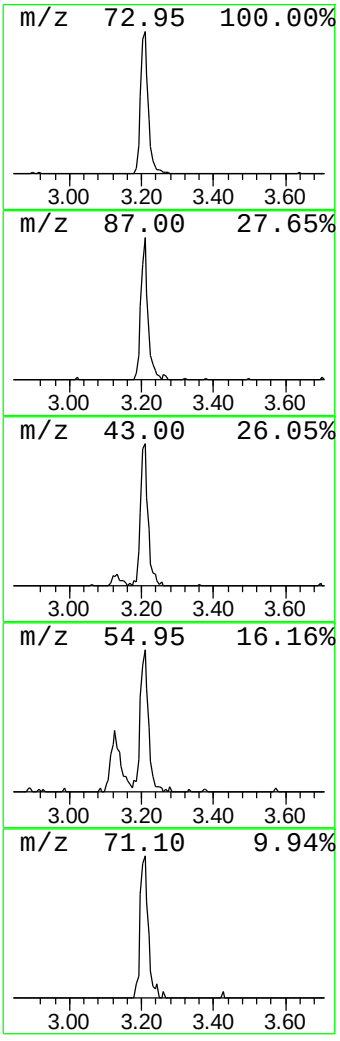
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	14.30 ng/ul	157832	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

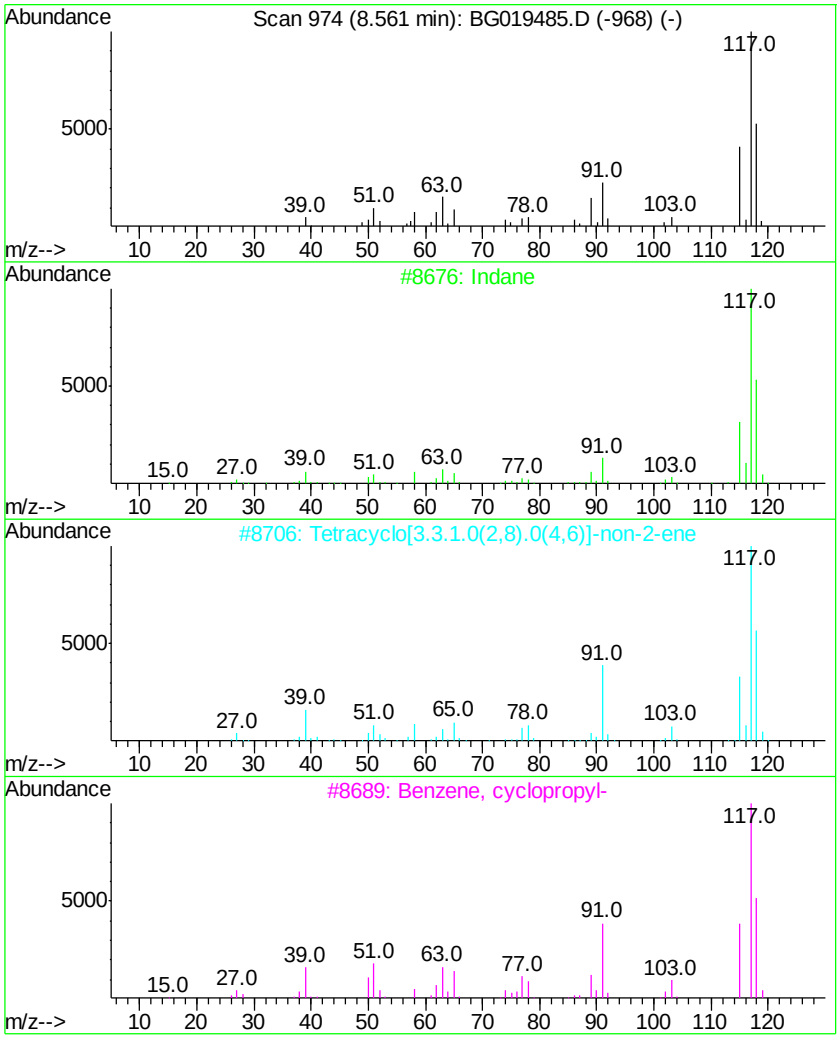
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

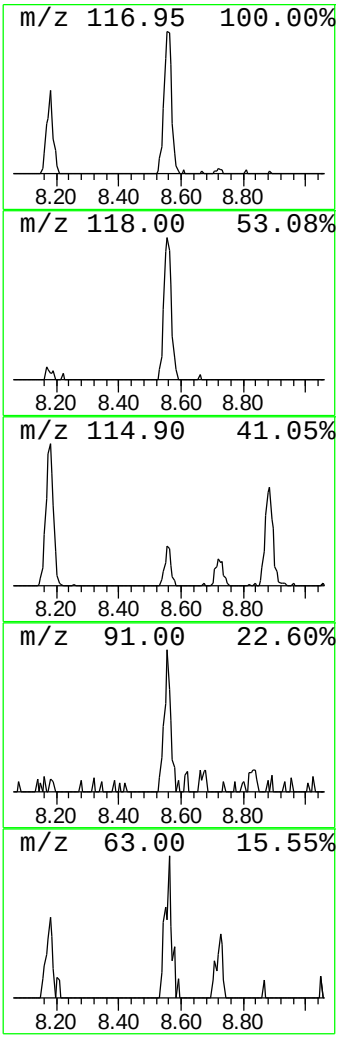
****

Peak Number 3 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	4.35 ng/ul	48016	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

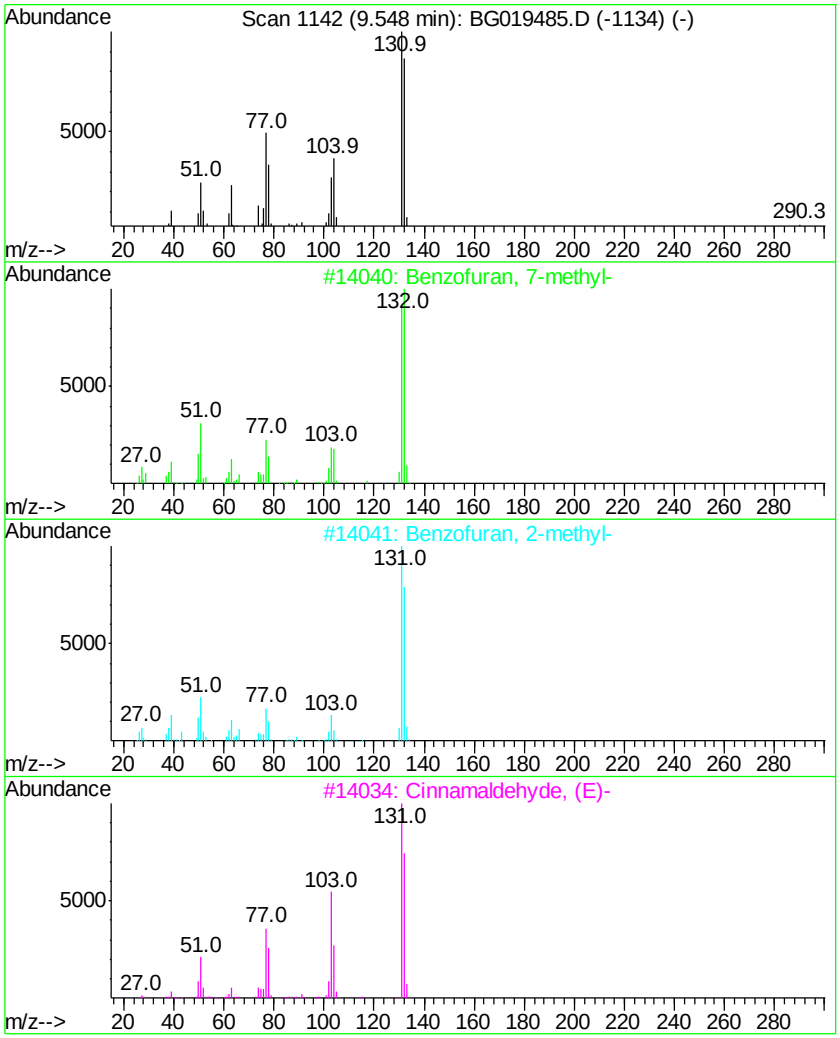
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

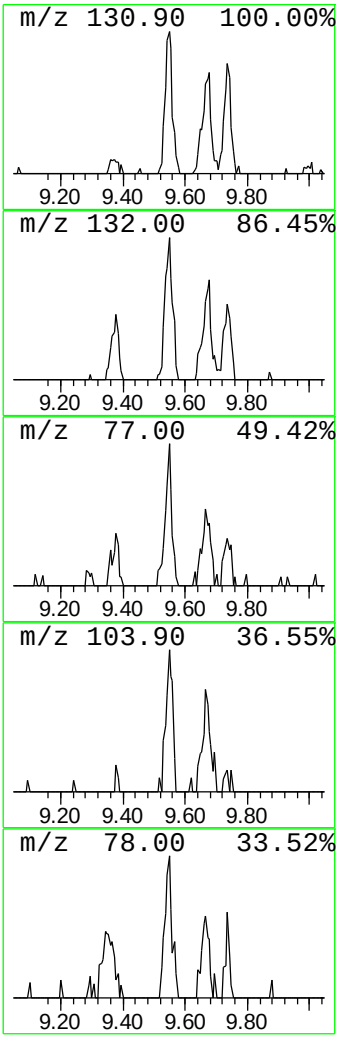
****

Peak Number 4 Benzofuran, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	4.03 ng/ul	44431	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	76
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	72
5	Benzenemethanol, .alpha.-ethynyl-	132	C9H8O	004187-87-5	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

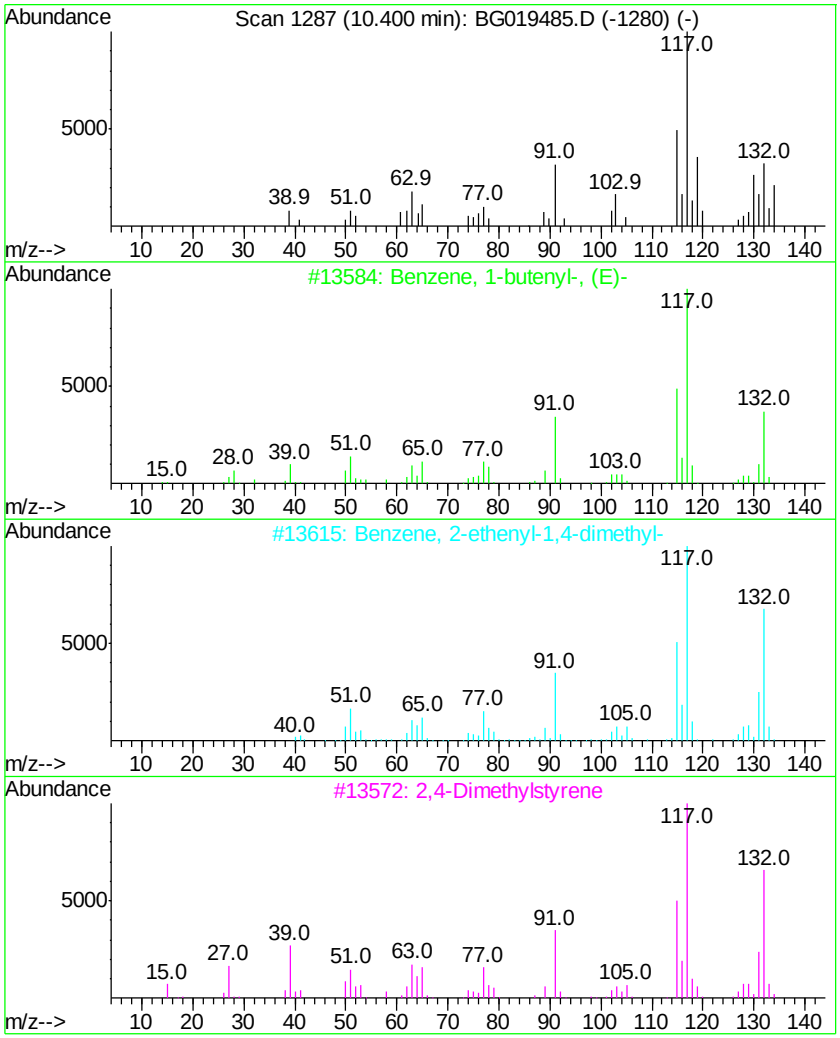
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

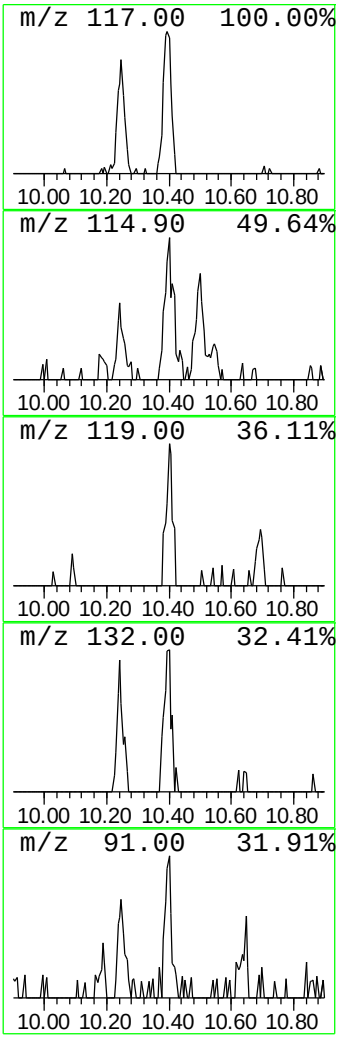
****

Peak Number 5 Benzene, 1-butenyl-, (E)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	2.31 ng/ul	40338	Naphthalene-d8	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	70
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	62





Library Search Compound Report

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Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

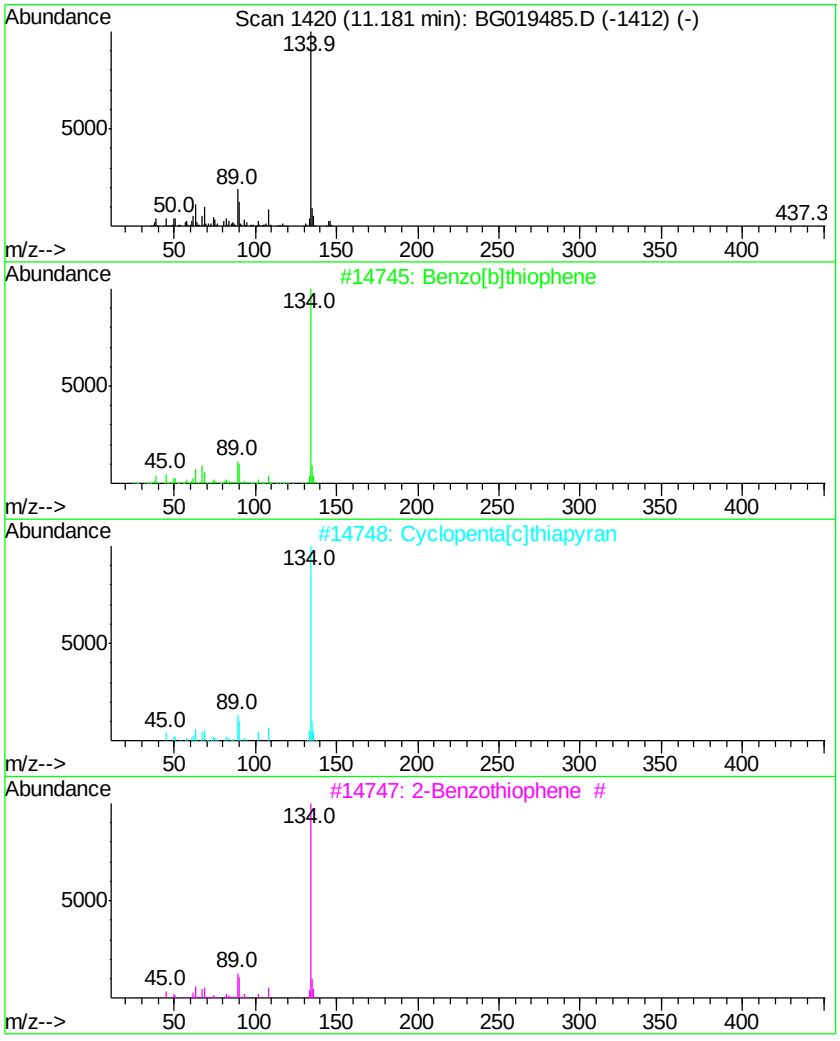
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

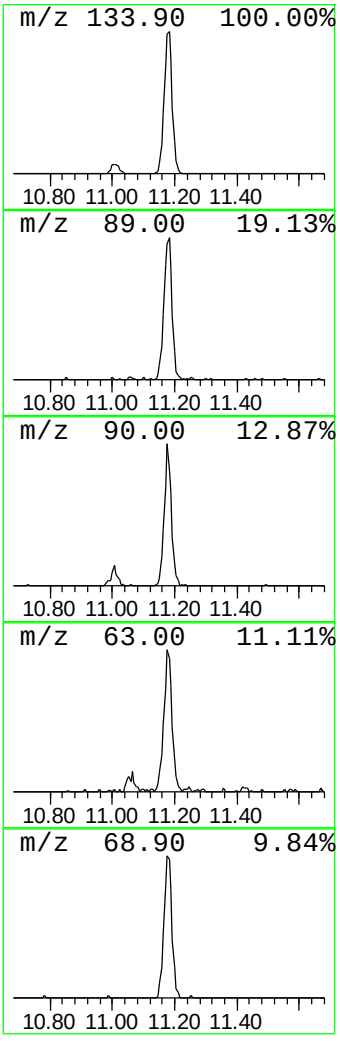
****

Peak Number 6 Benzo[b]thiophene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	33.04 ng/ul	577887	Naphthalene-d8	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
3	2-Benzothiophene #	134	C8H6S	000270-82-6	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

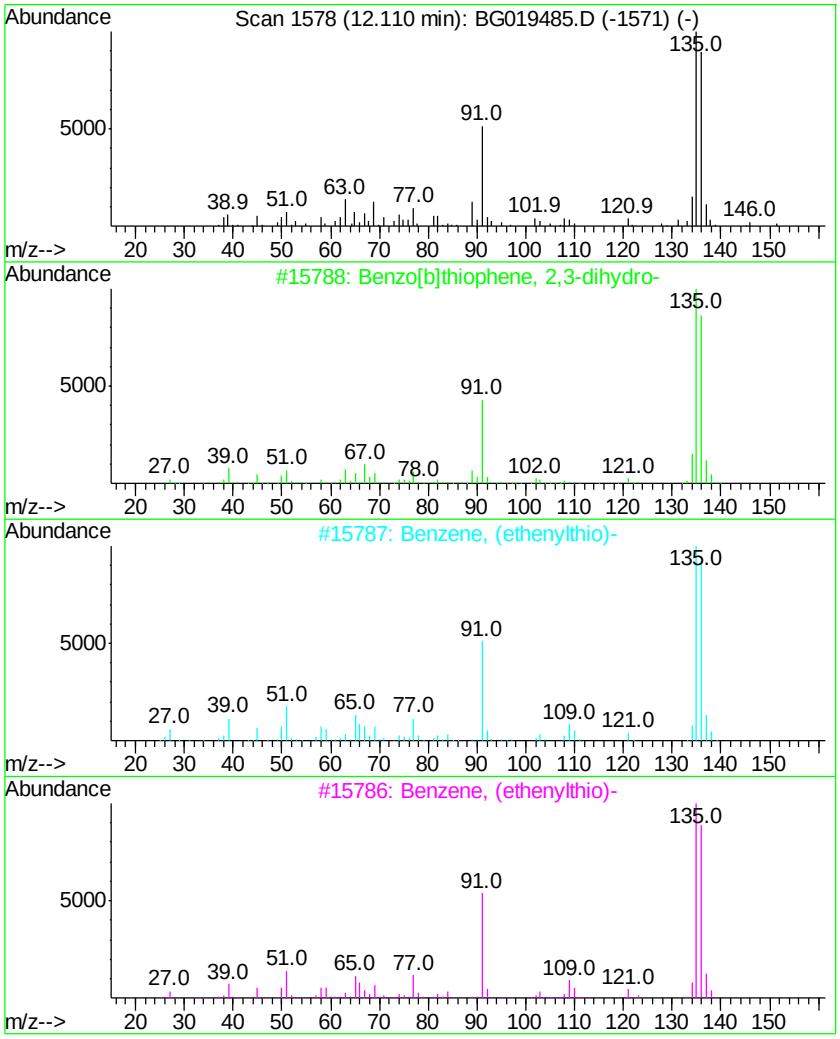
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

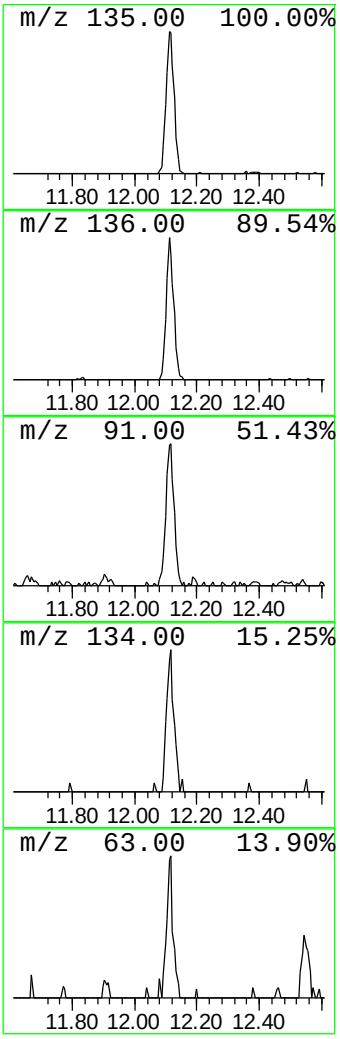
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.46 ng/ul	147918	Naphthalene-d8	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	94
2	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
4	4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	72
5	Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	72





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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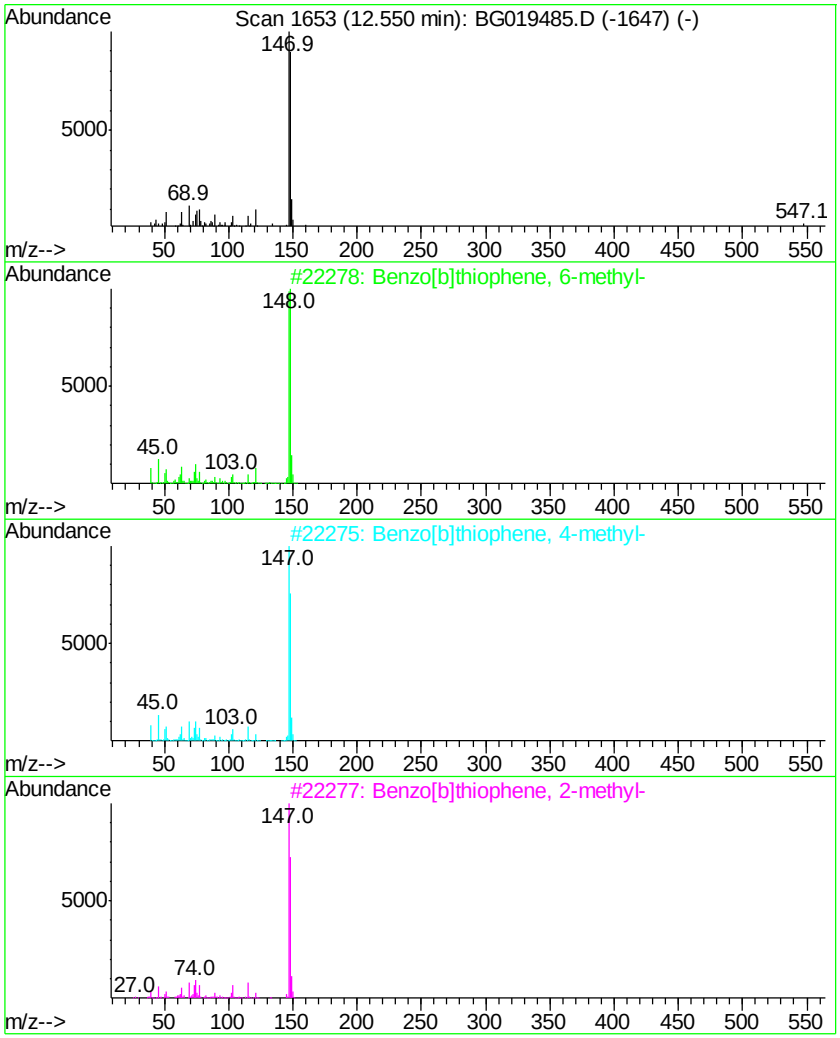
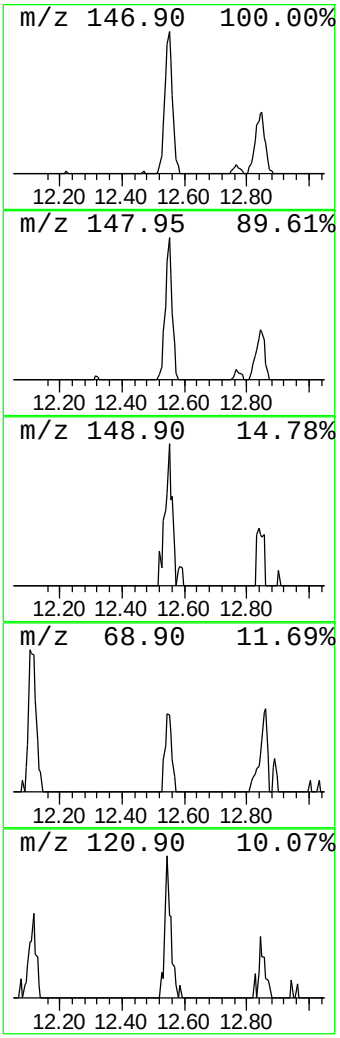
Peak Number 8 Benzo[b]thiophene, 6-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.83 ng/ul	66989	Naphthalene-d8	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	86
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86





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Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

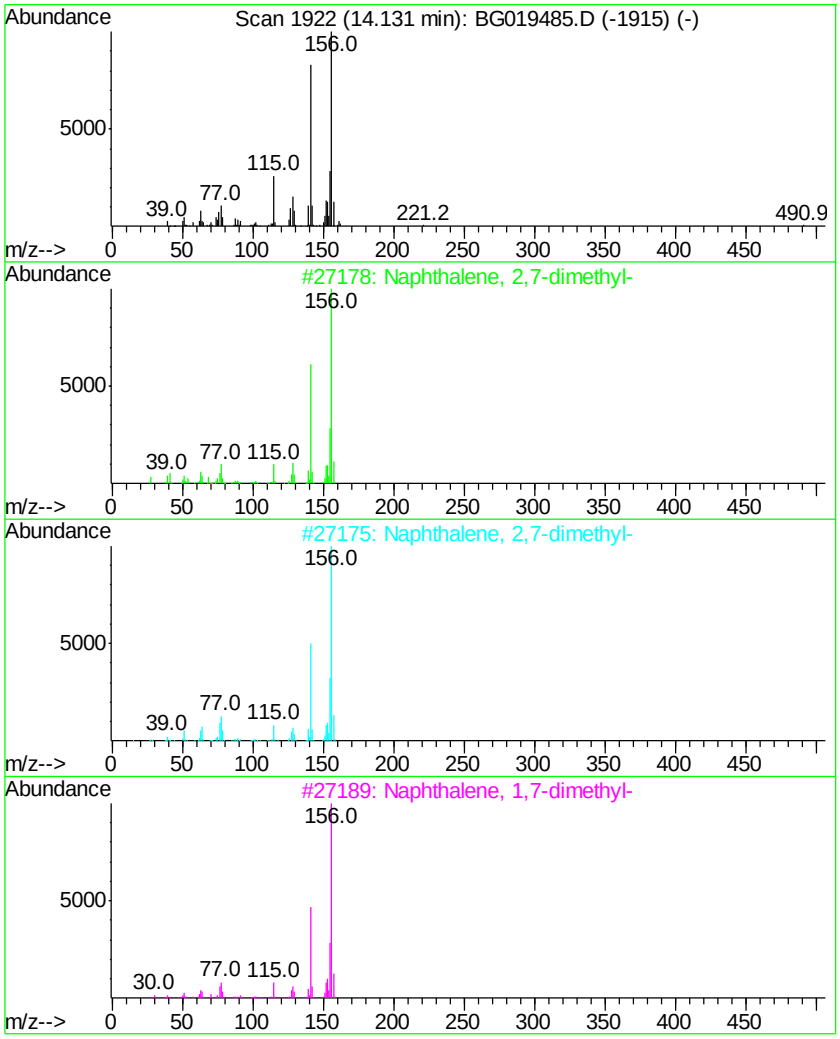
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

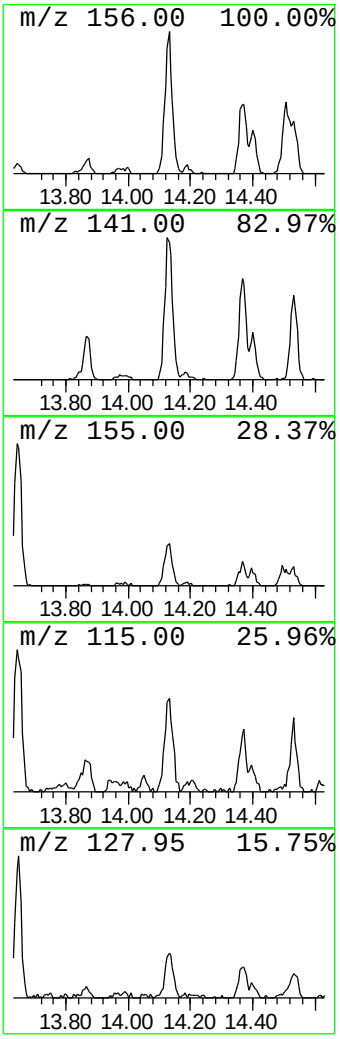
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.87 ng/ul	191651	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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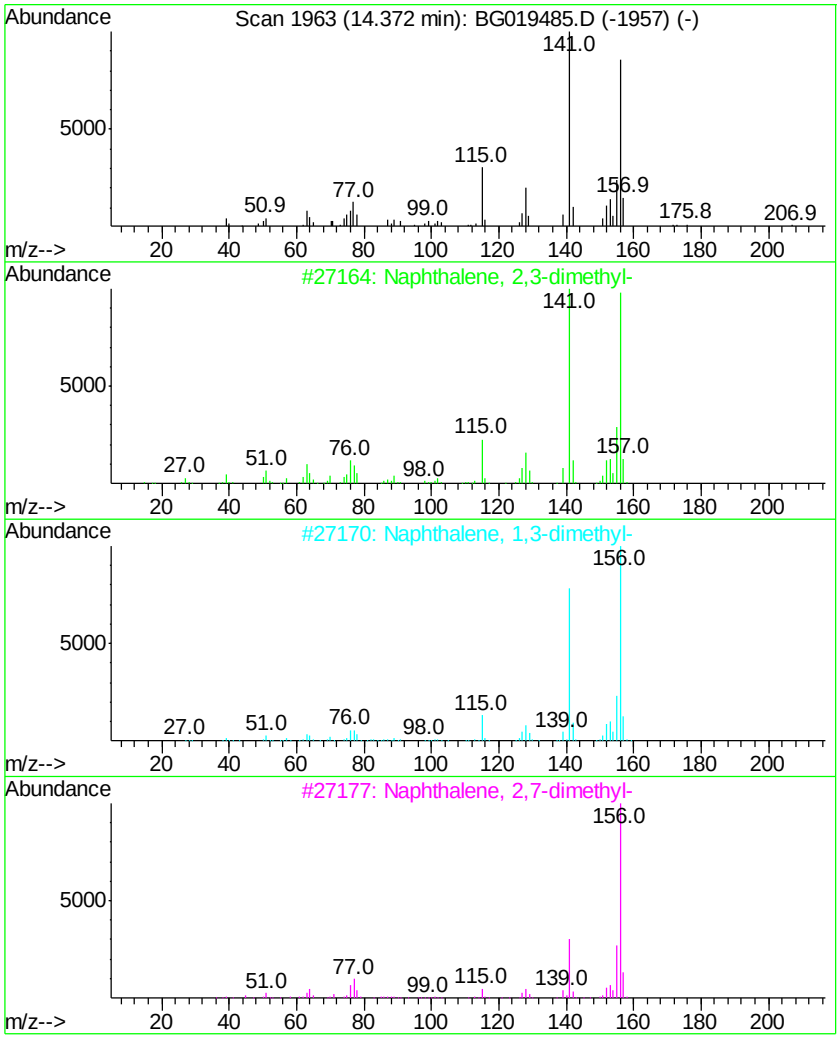
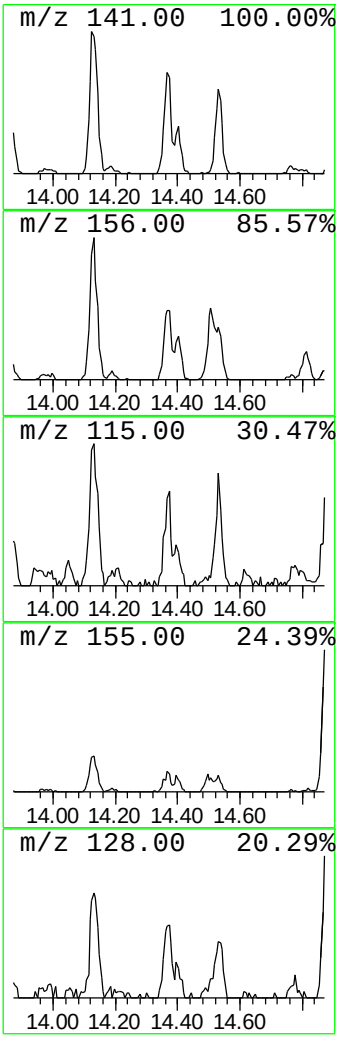
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	4.08 ng/ul	113884	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87





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Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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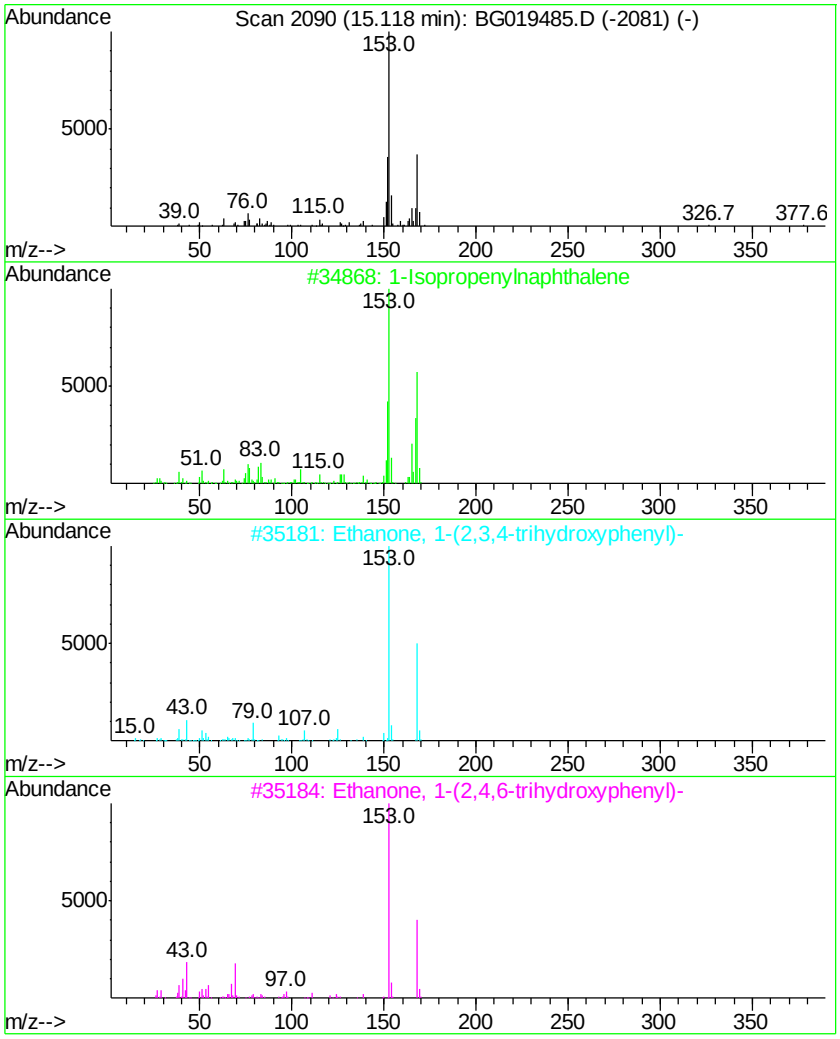
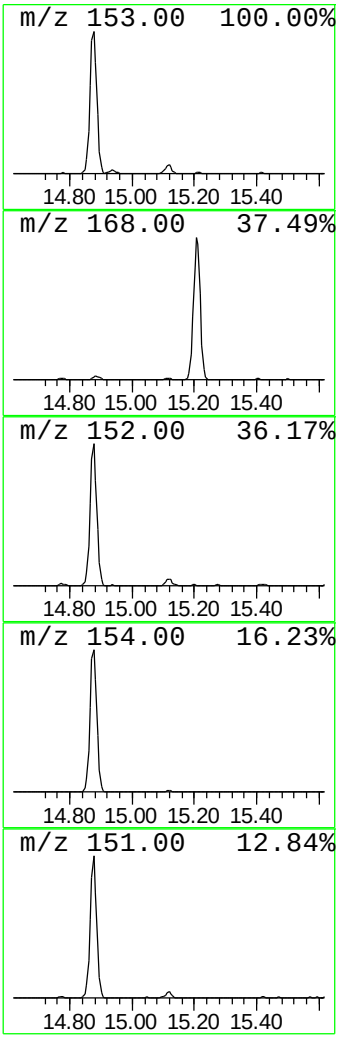
Peak Number 11 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	4.13 ng/ul	115264	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	52
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50





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Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

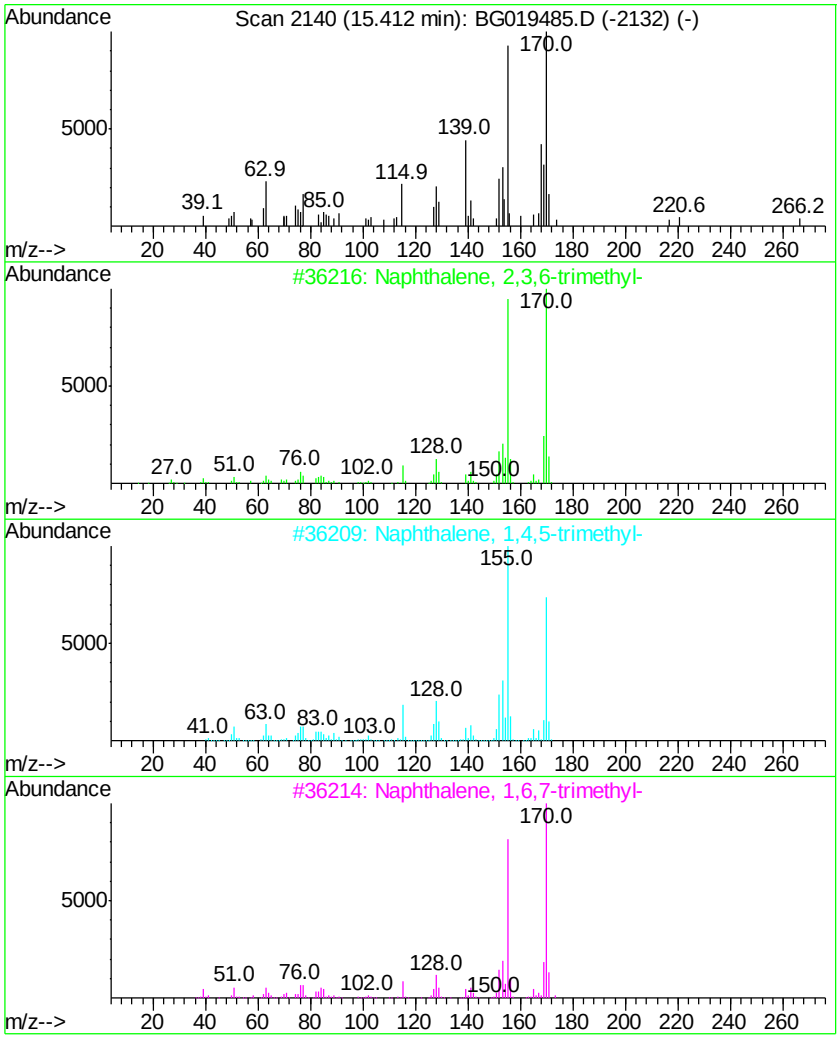
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

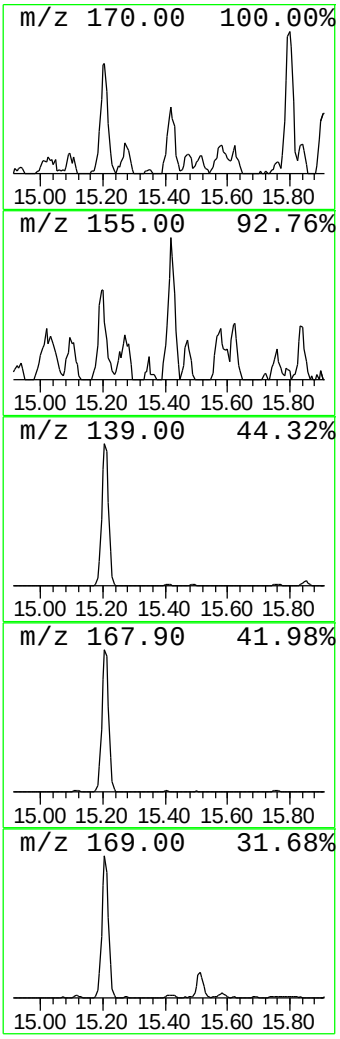
****

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	2.26 ng/ul	62959	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	60
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	60





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

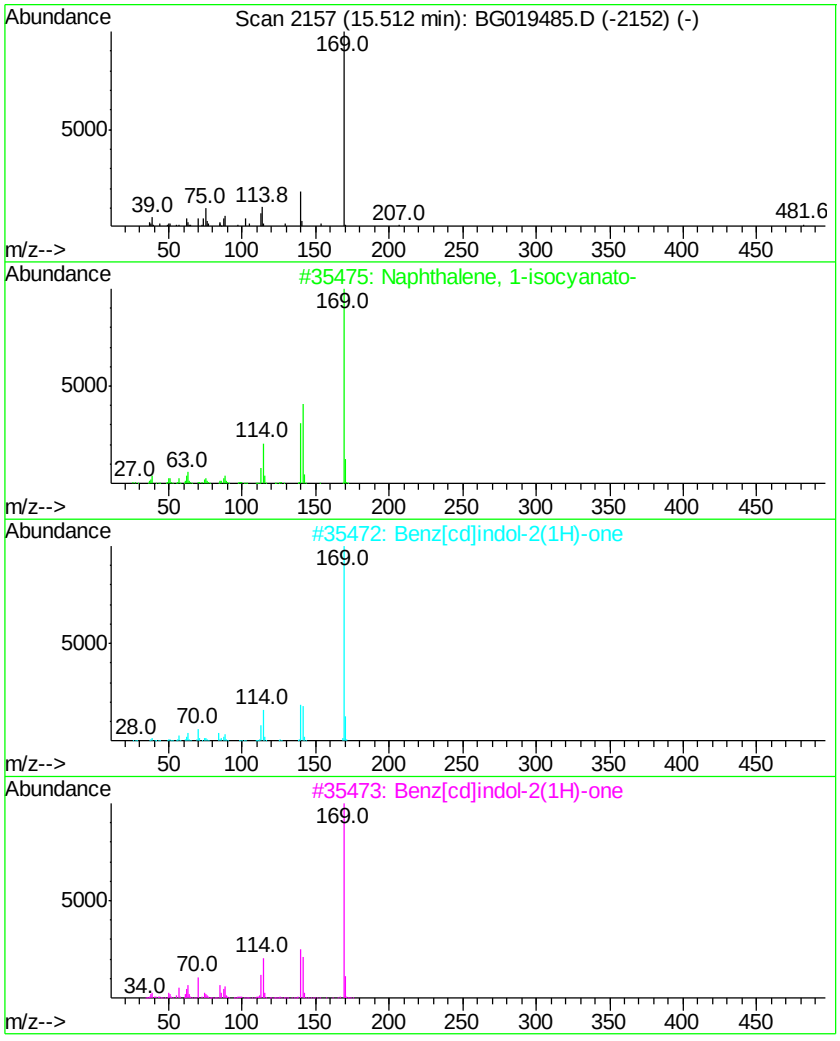
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

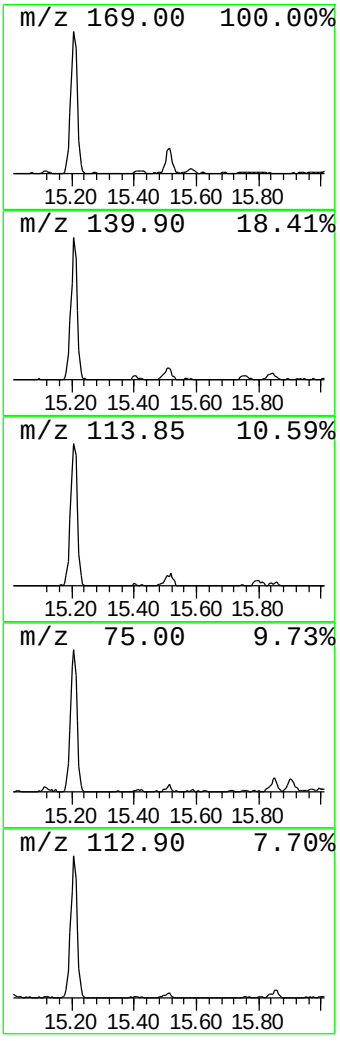
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 1-isocyanato- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	2.16 ng/ul	60284	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-isocyanato-	169	C11H7NO	000086-84-0	86
2	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	80
3	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	78
4	Indole-1-carboxamide, 2,3-dihydr...	316	C19H12N2O3	1000263-96-7	64
5	1,3-Dioxane-4,6-dione, 2,2-dimet...	271	C15H13NO4	083260-82-6	56





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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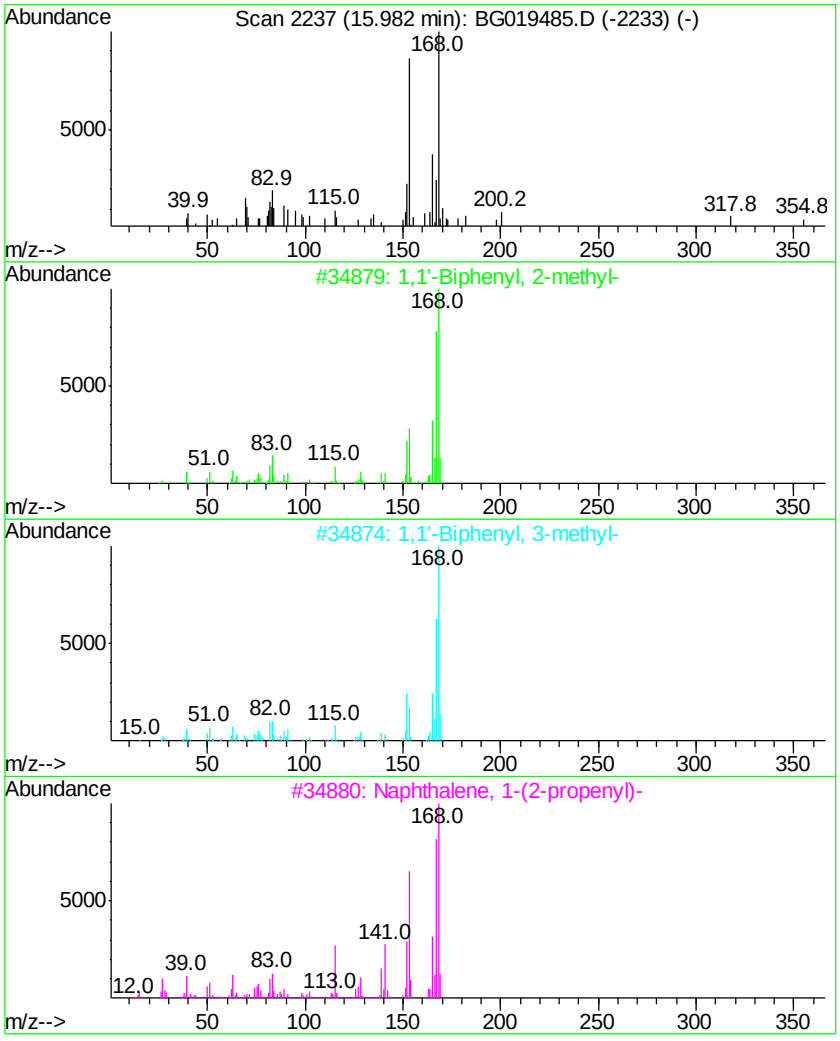
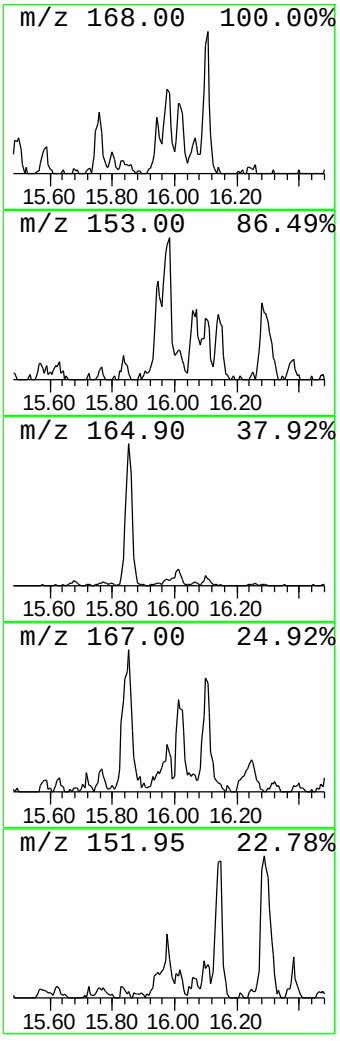
Peak Number 14 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	2.35 ng/ul	65646	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	46
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	46
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38
4	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	35
5	Methiocarb	225	C11H15NO2S	002032-65-7	35





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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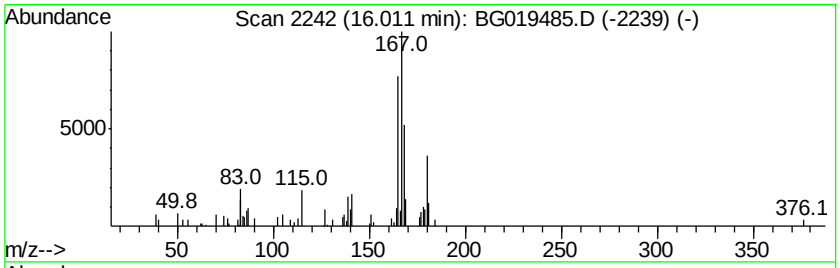
Quant Title : SVOA CALIBRATION

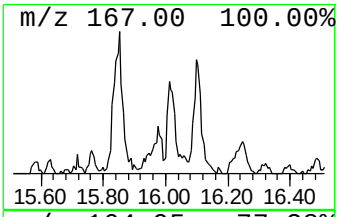
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

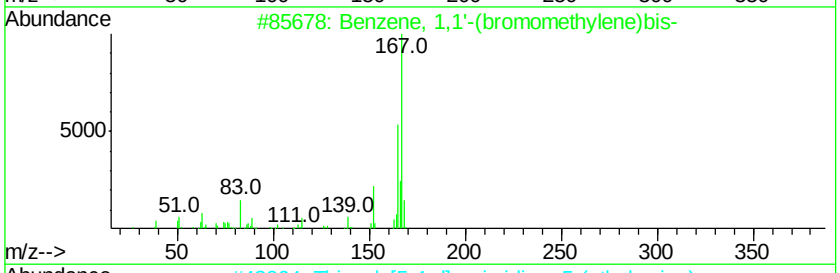
****
Peak Number 15 Benzene, 1,1'-(bromomethyle... Concentration Rank 19

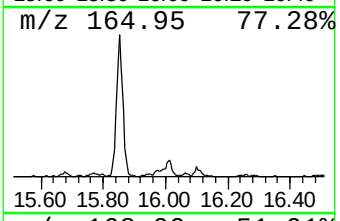
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.91 ng/ul	81067	Acenaphthene-d10	14.81

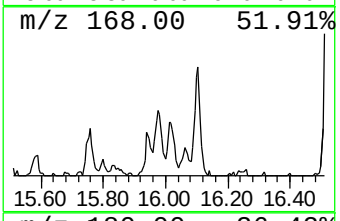
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	50
2	Thiazolo[5,4-d]pyrimidine, 5-(et...	180	C7H8N4S	019835-21-3	30
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	27
4	5-tert-Butyl-2-methylbenzenethiol	180	C11H16S	007340-90-1	27
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	27

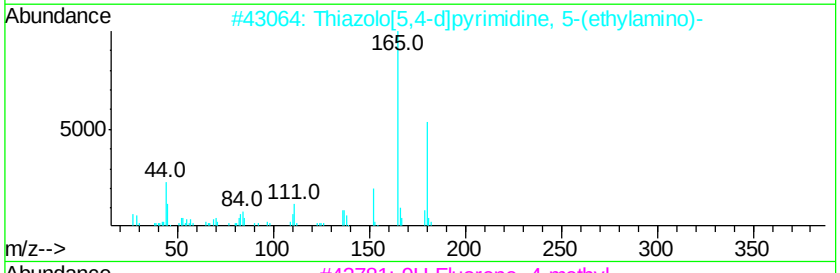


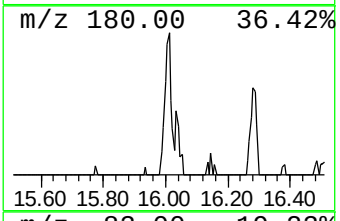


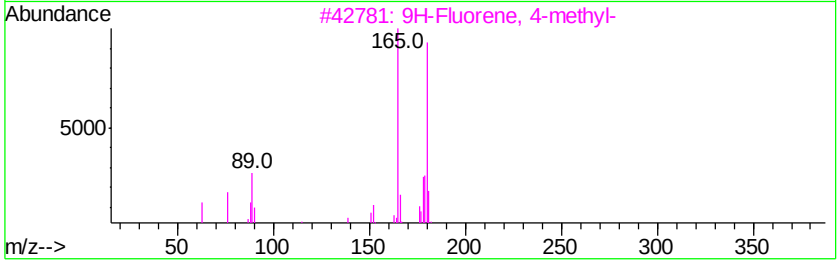


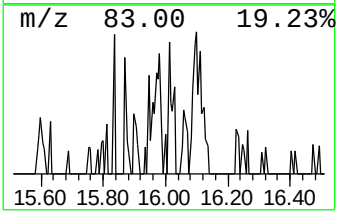












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Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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Quant Title : SVOA CALIBRATION

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

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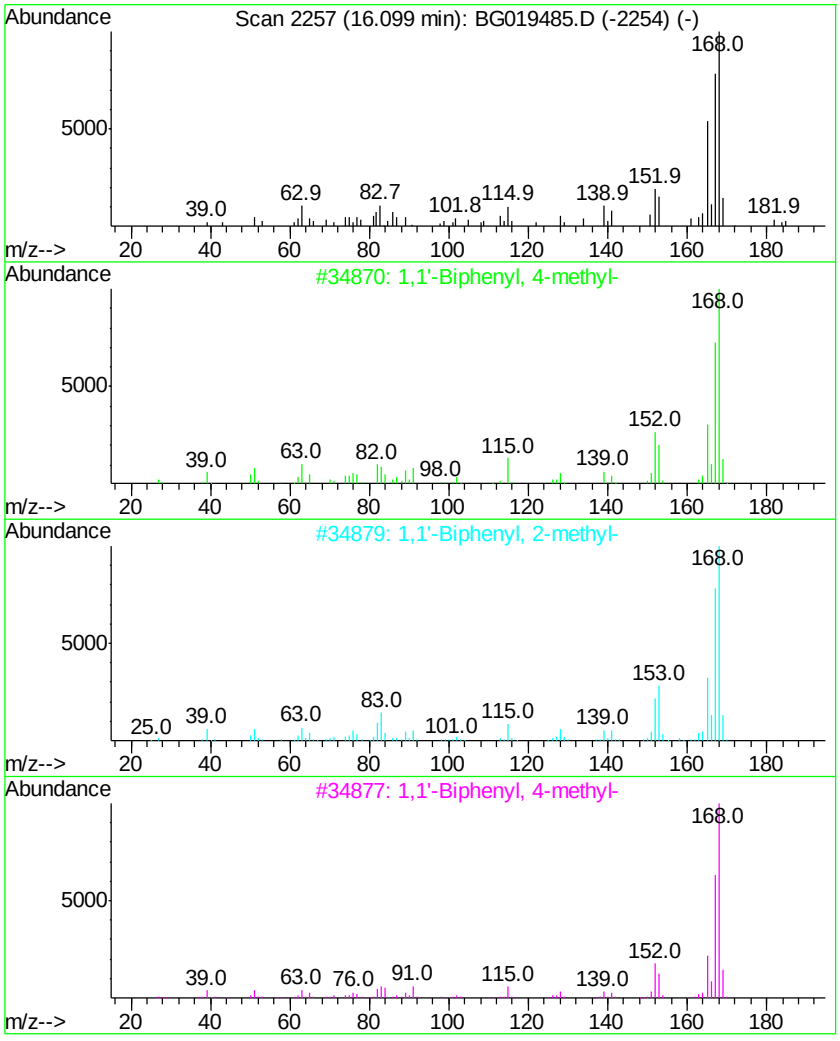
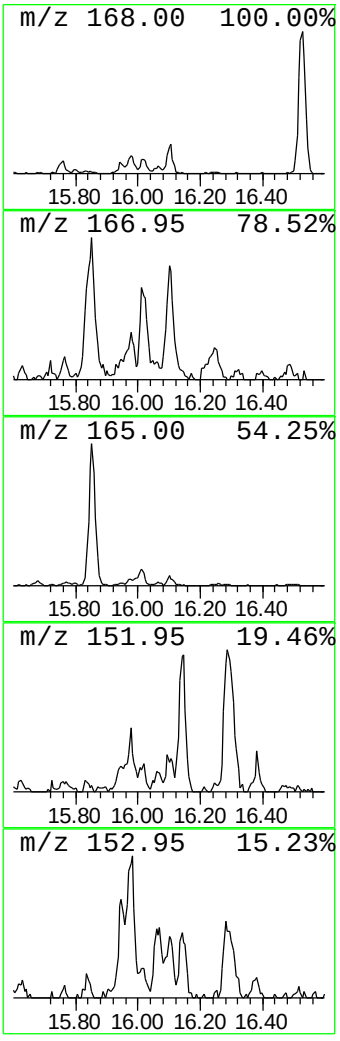
Peak Number 16 1,1'-Biphenyl, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.44 ng/ul	67930	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	92
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
5	Diphenylmethane	168	C13H12	000101-81-5	81





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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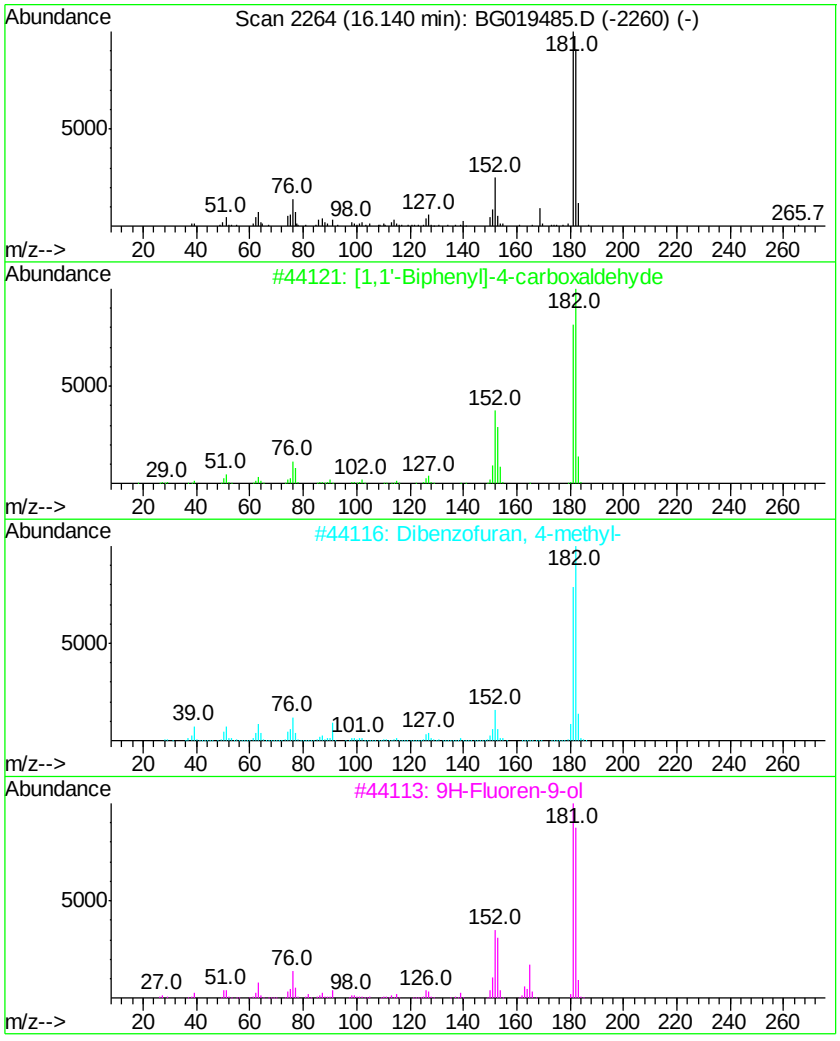
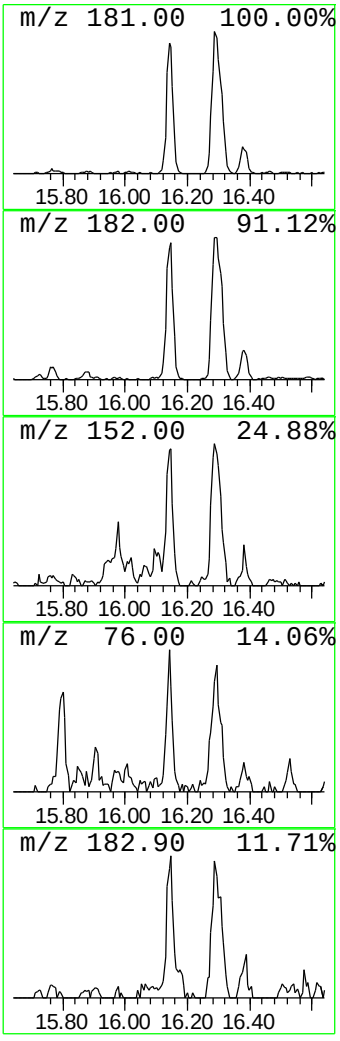
Peak Number 17 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	8.02 ng/ul	223549	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





Library Search Compound Report

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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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Quant Title : SVOA CALIBRATION

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

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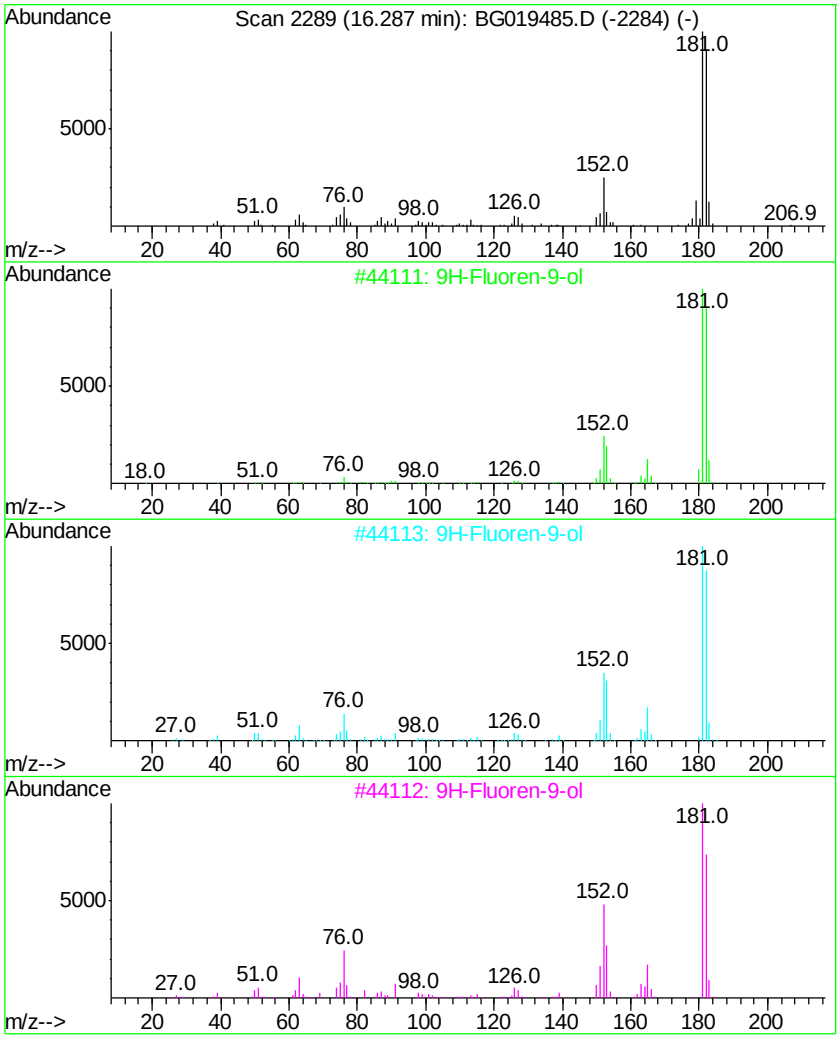
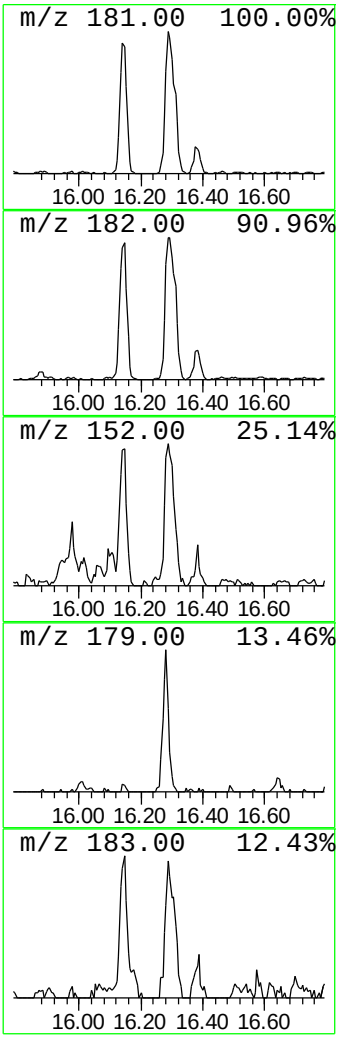
Peak Number 18 9H-Fluoren-9-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	8.06 ng/ul	325586	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	62





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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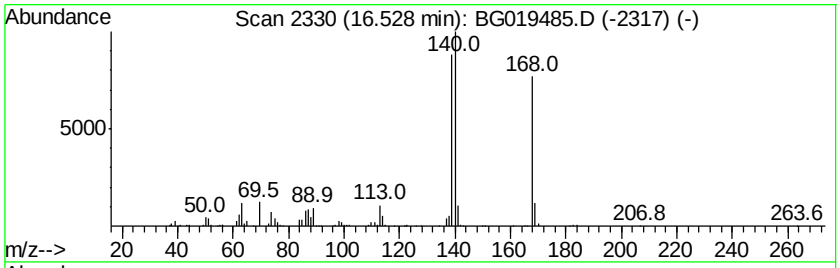
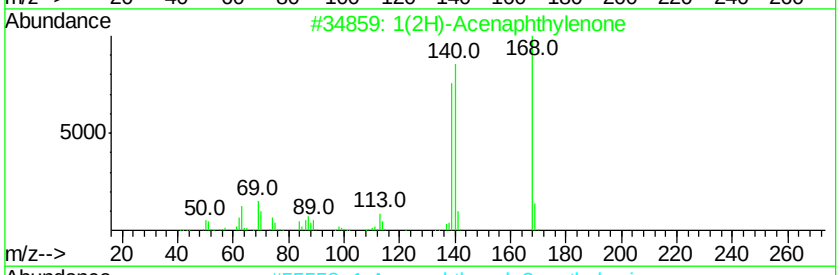
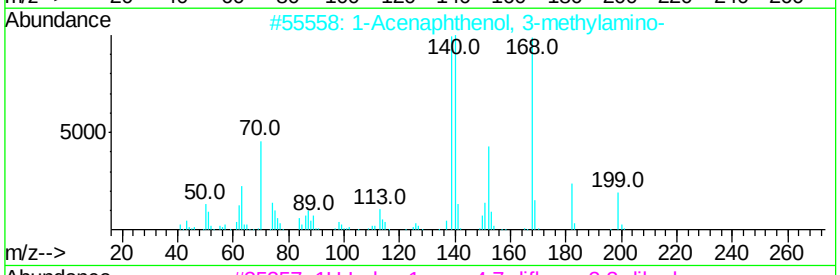
Peak Number 19 1(2H)-Acenaphthylenone Concentration Rank 3

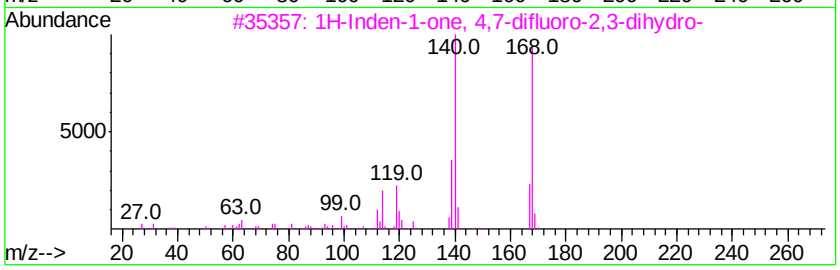
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	10.42 ng/ul	420869	Phenanthrene-d10	17.55

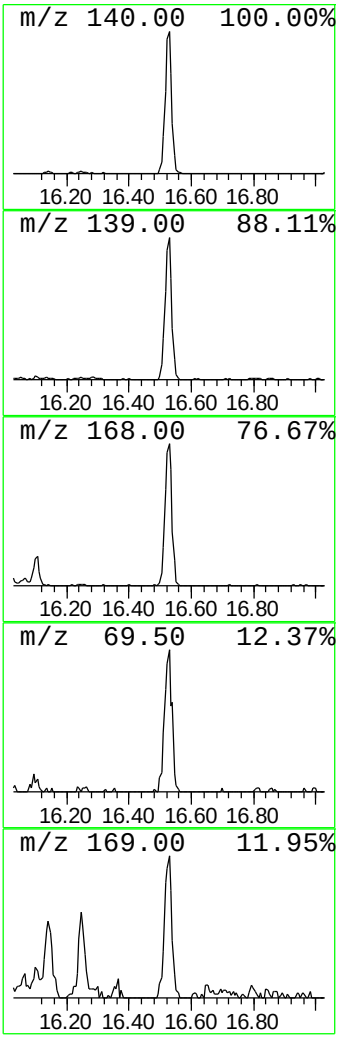
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	92
2	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	83
3	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	53
4	Cyclobuta[del]naphthalene	140	C11H8	024973-91-9	50
5	Dibenzofuran	168	C12H8O	000132-64-9	49











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Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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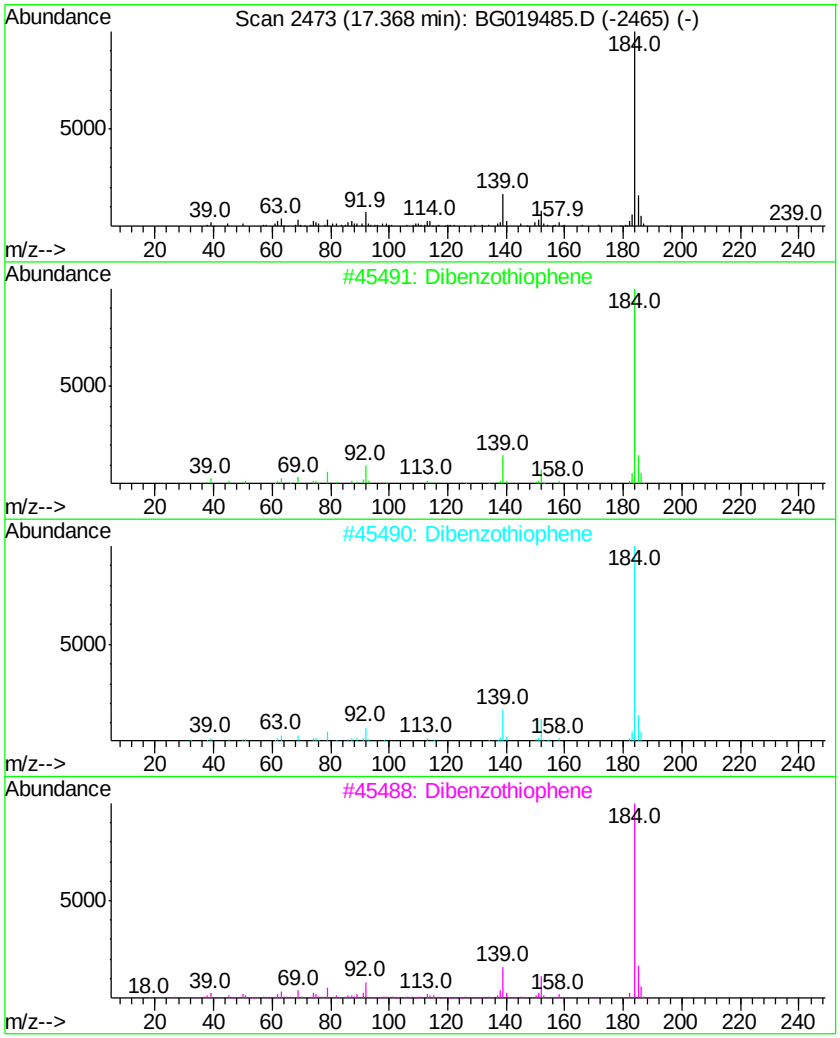
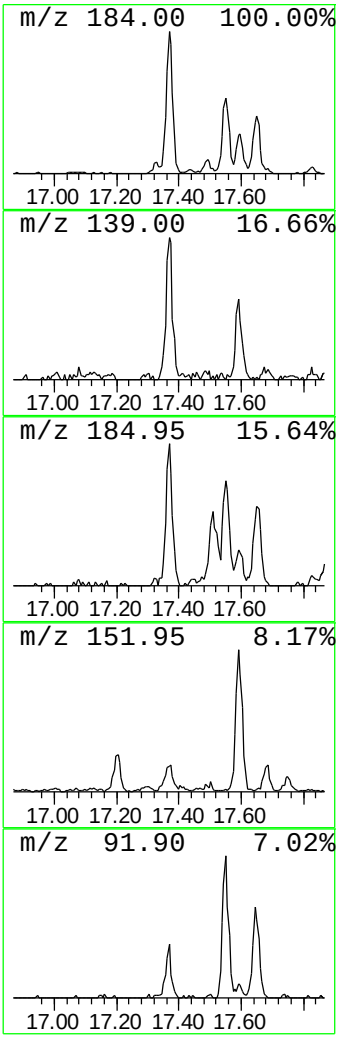
Peak Number 20 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	4.95 ng/ul	199970	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





Library Search Compound Report

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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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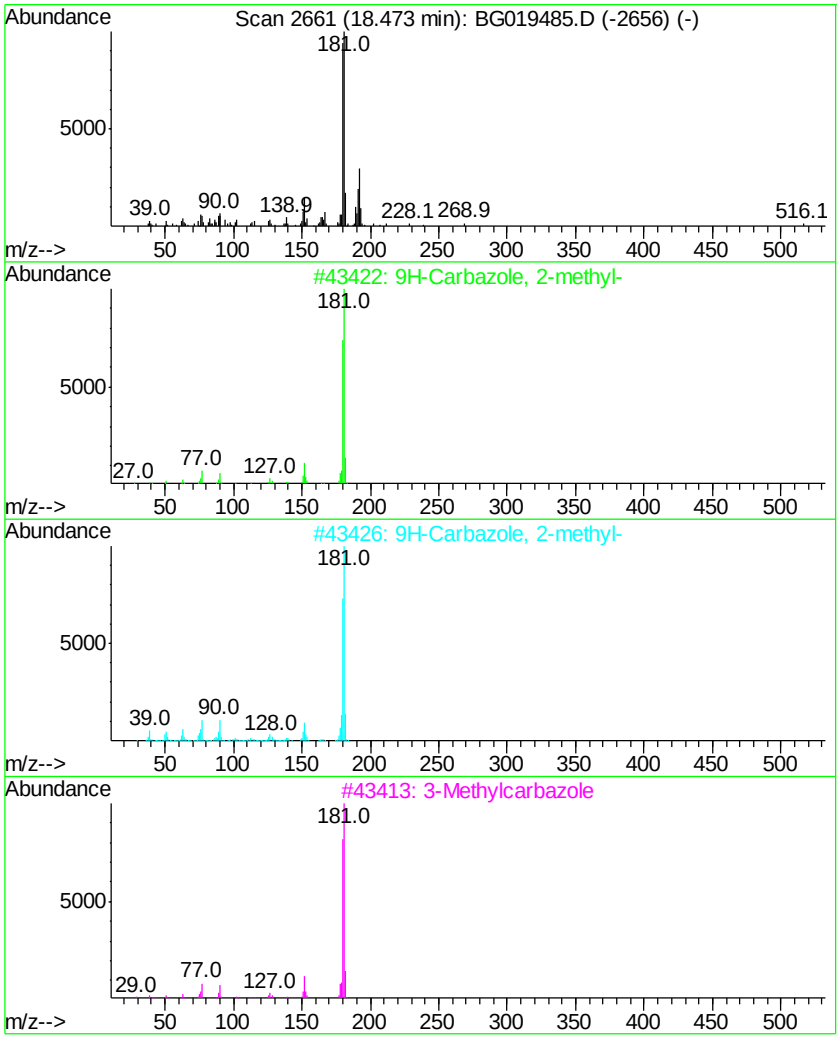
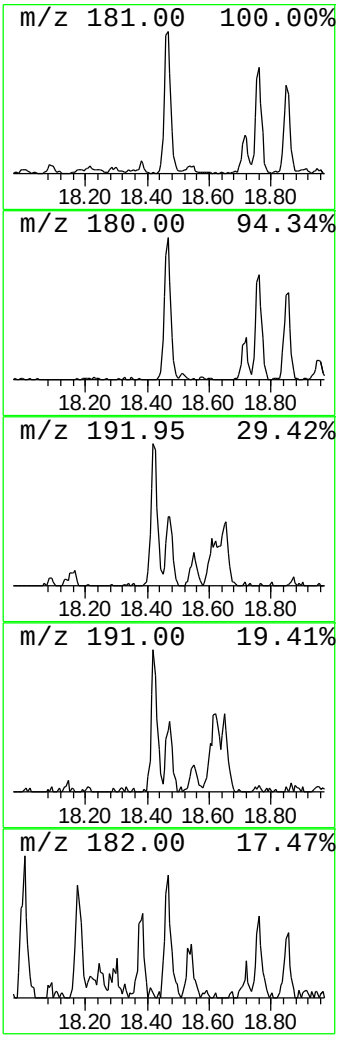
Peak Number 21 9H-Carbazole, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.71 ng/ul	149731	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90
3	3-Methylcarbazole	181	C13H11N	004630-20-0	90
4	1-Methylcarbazole	181	C13H11N	006510-65-2	89
5	Methylcarbazole	181	C13H11N	027323-29-1	89





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Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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Quant Title : SVOA CALIBRATION

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

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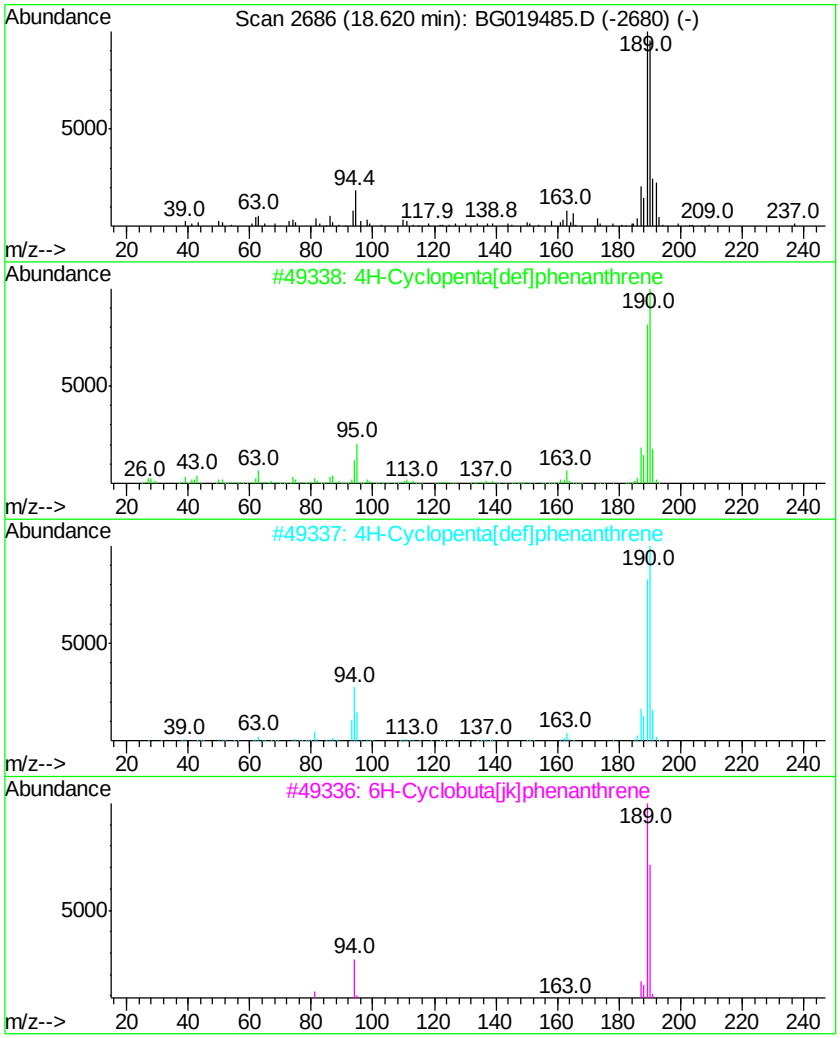
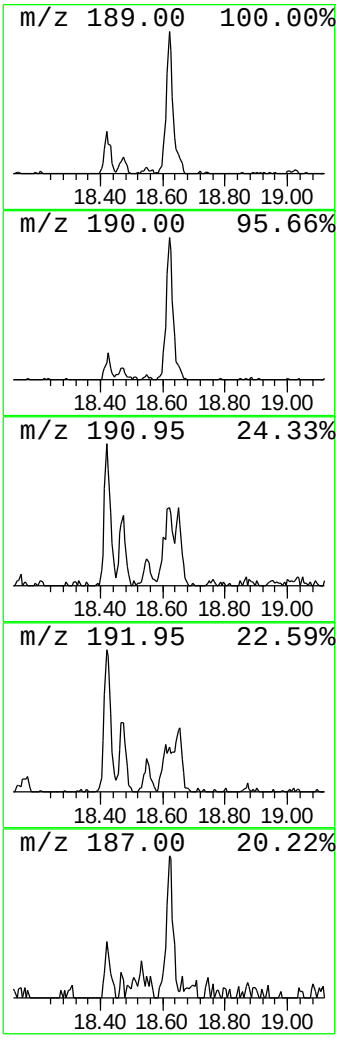
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.71 ng/ul	109600	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

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Quant Title : SVOA CALIBRATION

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

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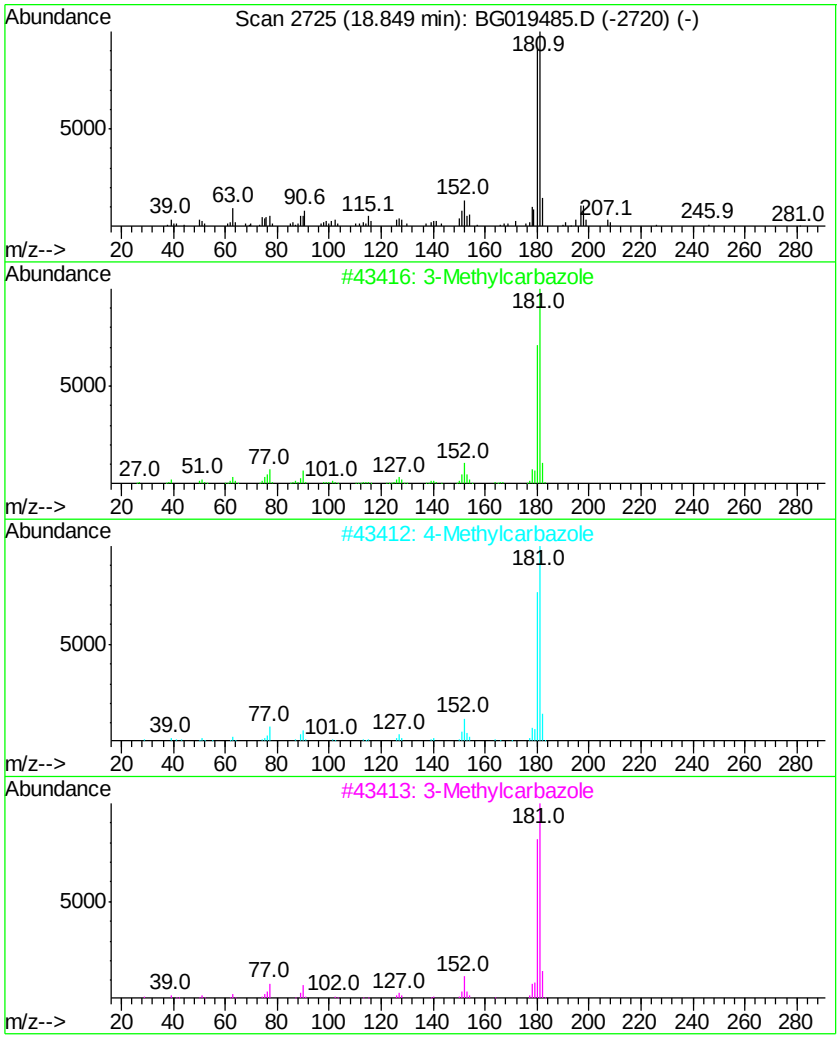
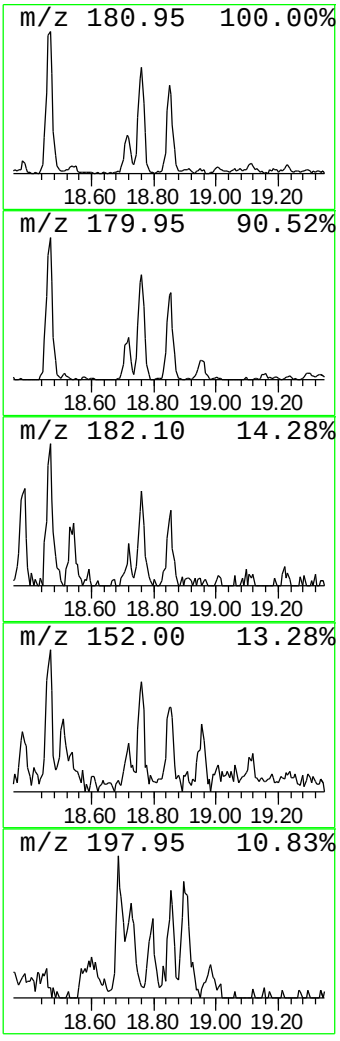
Peak Number 23 3-Methylcarbazole Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.21 ng/ul	89188	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	96
2	4-Methylcarbazole	181	C13H11N	003770-48-7	96
3	3-Methylcarbazole	181	C13H11N	004630-20-0	96
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	94
5	Methylcarbazole	181	C13H11N	027323-29-1	93





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Acq On : 5 Nov 2015 10:20
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Sample : G4245-06DL 2X
Misc :
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Instrument : BNA_G
ClientSampleId : BCY33DL

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Quant Title : SVOA CALIBRATION

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

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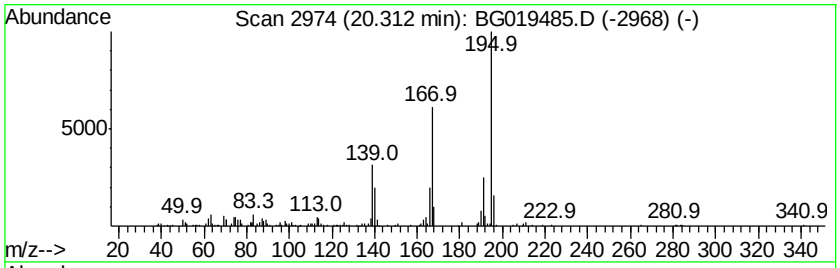
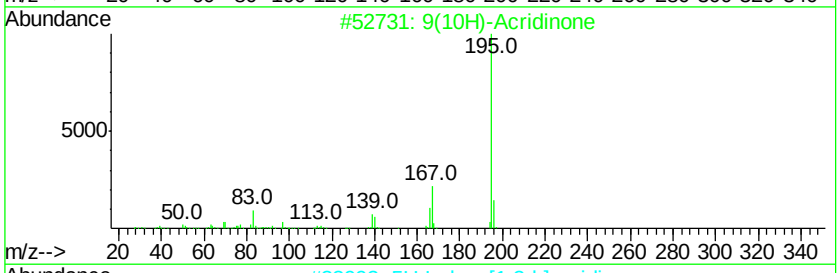
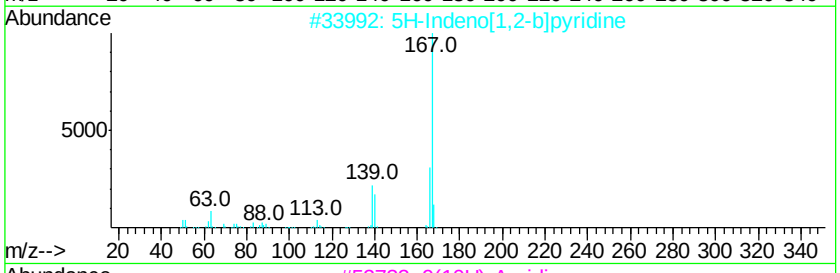
Peak Number 24 9(10H)-Acridinone Concentration Rank 11

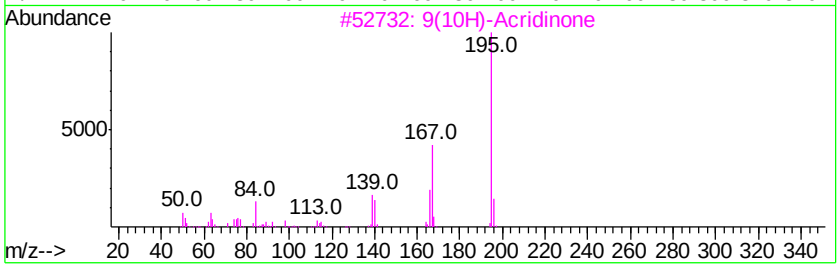
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	4.91 ng/ul	261298	Chrysene-d12	21.83

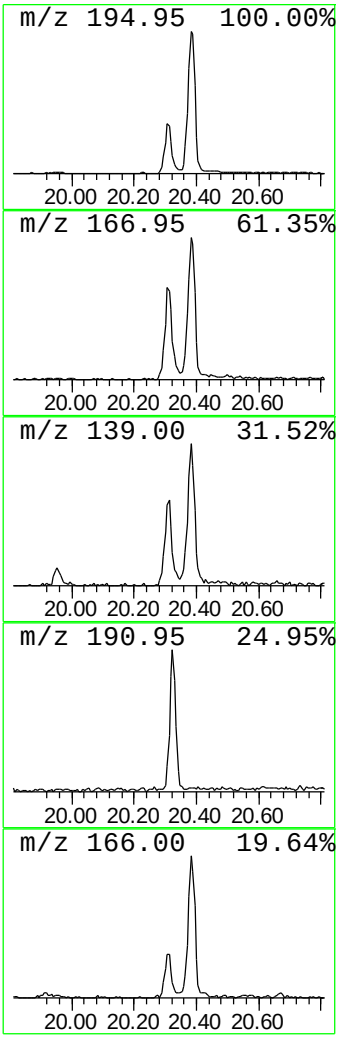
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(10H)-Acridinone	195	C13H9NO	000578-95-0	90
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	89
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	87
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	81
5	7-methyl-4-azafluorenone	195	C13H9NO	064292-02-0	81











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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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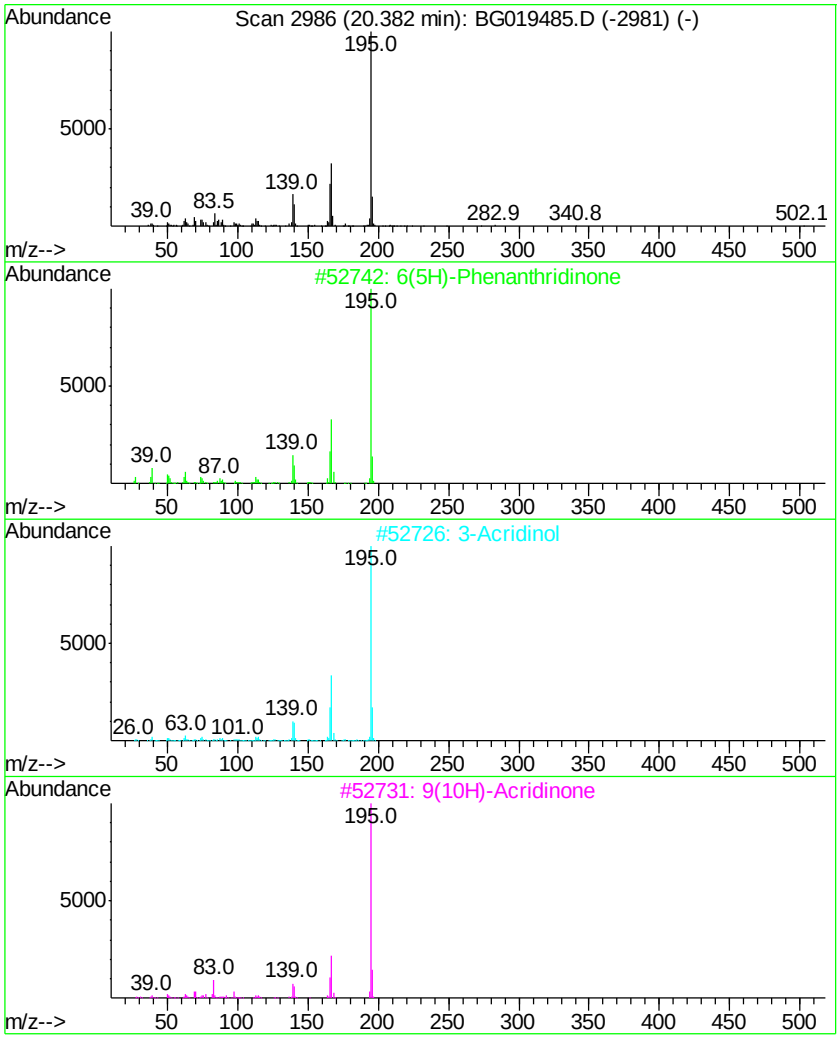
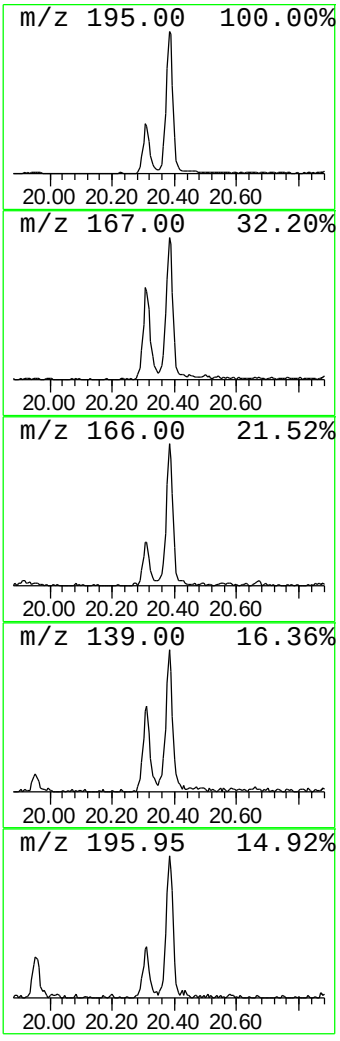
Peak Number 25 6(5H)-Phenanthridinone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	7.49 ng/ul	398513	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	96
2	3-Acridinol	195	C13H9NO	007132-70-9	96
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94





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Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
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Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

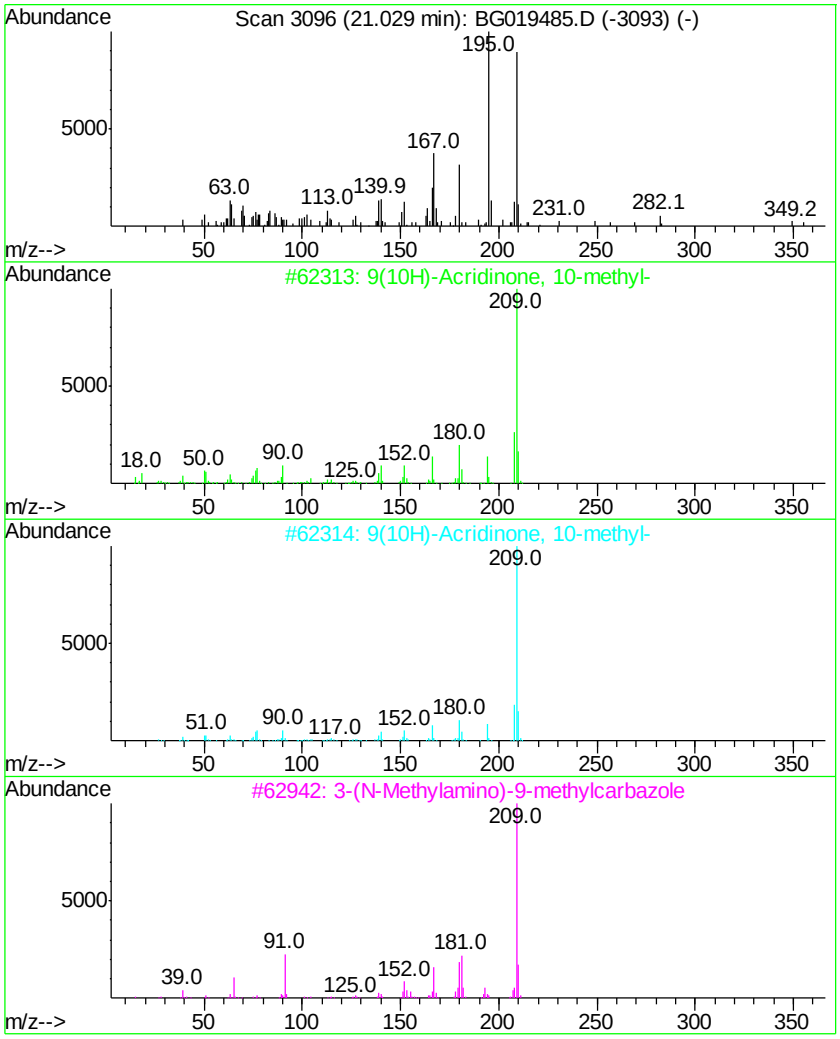
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

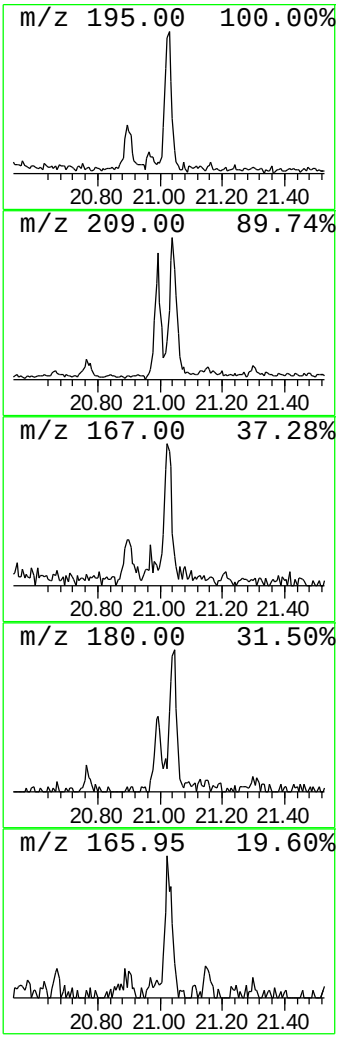
****

Peak Number 26 9(10H)-Acridinone, 10-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	3.23 ng/ul	171770	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(10H)-Acridinone, 10-methyl-	209	C14H11NO	000719-54-0	76
2	9(10H)-Acridinone, 10-methyl-	209	C14H11NO	000719-54-0	64
3	3-(N-Methylamino)-9-methylcarbazole	210	C14H14N2	005416-98-8	58
4	Indeno[2,1-c]pyridine, 1,4,6-tri...	209	C15H15N	062736-77-0	58
5	p-Menth-1-en-3-one, semicarbazone	209	C11H19N3O	004713-41-1	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110515\
Data File : BG019485.D
Acq On : 5 Nov 2015 10:20
Operator : UM/NP
Sample : G4245-06DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY33DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
(DEL) Alkane: Cyc...	3.13	7.0	ng/ul	77291	1	8.18	220737	20.0
Butane, 2-methoxy...	3.21	14.3	ng/ul	157832	1	8.18	220737	20.0
Indane	8.56	4.3	ng/ul	48016	1	8.18	220737	20.0
Benzofuran, 7-met...	9.55	4.0	ng/ul	44431	1	8.18	220737	20.0
Benzene, 1-buteny...	10.40	2.3	ng/ul	40338	2	11.01	349770	20.0
Benzo[b]thiophene	11.18	33.0	ng/ul	577887	2	11.01	349770	20.0
Benzo[b]thiophene...	12.11	8.5	ng/ul	147918	2	11.01	349770	20.0
Benzo[b]thiophene...	12.55	3.8	ng/ul	66989	2	11.01	349770	20.0
Naphthalene, 2,7-...	14.13	6.9	ng/ul	191651	3	14.81	557657	20.0
Naphthalene, 2,3-...	14.37	4.1	ng/ul	113884	3	14.81	557657	20.0
1-Isopropenylnaph...	15.12	4.1	ng/ul	115264	3	14.81	557657	20.0
Naphthalene, 2,3,...	15.41	2.3	ng/ul	62959	3	14.81	557657	20.0
Naphthalene, 1-is...	15.51	2.2	ng/ul	60284	3	14.81	557657	20.0
unknown-01	15.98	2.4	ng/ul	65646	3	14.81	557657	20.0
Benzene, 1,1'-(br...	16.01	2.9	ng/ul	81067	3	14.81	557657	20.0
1,1'-Biphenyl, 4-...	16.10	2.4	ng/ul	67930	3	14.81	557657	20.0
[1,1'-Biphenyl]-4...	16.14	8.0	ng/ul	223549	3	14.81	557657	20.0
9H-Fluoren-9-ol	16.29	8.1	ng/ul	325586	4	17.55	807589	20.0
1(2H)-Acenaphthyl...	16.53	10.4	ng/ul	420869	4	17.55	807589	20.0
Dibenzothiophene	17.37	5.0	ng/ul	199970	4	17.55	807589	20.0
9H-Carbazole, 2-m...	18.47	3.7	ng/ul	149731	4	17.55	807589	20.0
4H-Cyclopenta[def...	18.62	2.7	ng/ul	109600	4	17.55	807589	20.0
3-Methylcarbazole	18.85	2.2	ng/ul	89188	4	17.55	807589	20.0
9(10H)-Acridinone	20.31	4.9	ng/ul	261298	5	21.83	1064250	20.0
6(5H)-Phenanthrid...	20.38	7.5	ng/ul	398513	5	21.83	1064250	20.0
9(10H)-Acridinone...	21.03	3.2	ng/ul	171770	5	21.83	1064250	20.0