LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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	5.643	469	477	486	rBV	993840	1584424	1.86%	0.572%
2	5.778	493	500	502	rBV2	650758	1108107	1.30%	0.400%
3	6.154	553	564	575	rVB	856448	1549835	1.82%	0.559%
4	7.253	743	751	756	rBV	348728	569532	0.67%	0.206%
5	7.312	756	761	768	rVB2	331528	587145	0.69%	0.212%
6	7.388	768	774	783	rVB	649595	1066530	1.25%	0.385%
7	7.823	841	848	855	rBV	1538445	2554110	3.00%	0.922%
8	7.899	855	861	869	rVB	1307789	2254064	2.64%	0.814%
9	8.181	902	909	920	rBV2	182333	400918	0.47%	0.145%
10	8.293	920	928	936	rVV	453309	821096	0.96%	0.296%
11	8.569	966	975	982	rBV	5303663	9647188	11.32%	3.482%
12	8.733	995	1003	1011	rVB	4749098	8868698	10.41%	3.201%
13	9.292	1088	1098	1103	rBV2	258620	467373	0.55%	0.169%
14	9.374	1103	1112	1118	rVV3	466979	1111463	1.30%	0.401%
15	9.550	1133	1142	1149	rBV	542356	937509	1.10%	0.338%
16	9.679	1149	1164	1170	rBV	1170276	2715268	3.19%	0.980%
17	9.738	1170	1174	1181	rVV	311308	505259	0.59%	0.182%
18	10.085	1227	1233	1243	rVB	199380	402368	0.47%	0.145%
19	10.249	1255	1261	1268	rVB	533721	908502	1.07%	0.328%
20	10.402	1278	1287	1298	rBV3	1006656	2740994	3.22%	0.989%
21	10.502	1298	1304	1309	rVV	507465	1080896	1.27%	0.390%
22	10.637	1319	1327	1336	rVV2	288482	647809	0.76%	0.234%
23	11.154	1383	1415	1419	rBV	20322890	85231876	100.00%	30.765%
24	11.225	1419	1427	1436	rVV	4984138	8709793	10.22%	3.144%
25	11.424	1456	1461	1468	rVV	223125	455244	0.53%	0.164%
26	12.112	1574	1578	1587	rVV2	285958	589960	0.69%	0.213%
27	12.382	1619	1624	1631	rVB3	251519	444231	0.52%	0.160%
28	12.552	1648	1653	1662	rVB	380886	677698	0.80%	0.245%
29	12.658	1662	1671	1677	rBV	2440051	4067785	4.77%	1.468%
30	12.776	1684	1691	1696	rBV	256734	458638	0.54%	0.166%
31	12.887	1697	1710	1716	rVB	5644471	10779743	12.65%	3.891%
32	13.569	1814	1826	1831	rBV4	140467	405125	0.48%	0.146%
33	13.651	1832	1840	1848	rVB	2125879	3400788	3.99%	1.228%
34	13.845	1867	1873	1883	rVB	450967	928422	1.09%	0.335%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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	13.974	1884	1895	1896	rBV3	666381	1173496	1.38%	0.424%
36	14.133	1915	1922	1927	rVV	1114581	2080069	2.44%	0.751%
37	14.192	1927	1932	1933	rVV	633018	972147	1.14%	0.351%
38	14.209	1933	1935	1941	rVB	731734	948084	1.11%	0.342%
39	14.368	1956	1962	1965	rBV	462413	728892	0.86%	0.263%
40	14.509	1977	1986	1995	rVB4	721697	1978210	2.32%	0.714%
41	14.779	2028	2032	2034	rVV	371528	547047	0.64%	0.197%
42	14.809	2034	2037	2043	rVV2	456621	793629	0.93%	0.286%
43	14.891	2043	2051	2056	rVV	6096048	10364360	12.16%	3.741%
44	14.944	2056	2060	2063	rVV	496815	717868	0.84%	0.259%
45	14.991	2063	2068	2078	rVB	1388236	2385407	2.80%	0.861%
46	15.085	2078	2084	2094	rBV3	738171	1537534	1.80%	0.555%
47	15.214	2099	2106	2113	rBV	4317491	7220521	8.47%	2.606%
48	15.332	2113	2126	2132	rVB	595303	1732937	2.03%	0.626%
49	15.802	2201	2206	2210	rVV	831354	1297796	1.52%	0.468%
50	15.860	2210	2216	2221	rVB	3681657	5840745	6.85%	2.108%
51	15.913	2221	2225	2229	rBV2	324444	492338	0.58%	0.178%
52	15.984	2229	2237	2246	rVV3	1183186	3007477	3.53%	1.086%
53	16.066	2246	2251	2261	rVV6	482259	1385487	1.63%	0.500%
54	16.536	2325	2331	2341	rVB4	1171020	2237284	2.62%	0.808%
55	16.659	2341	2352	2357	rBV2	411539	988324	1.16%	0.357%
56	16.724	2358	2363	2368	rBV	555945	857540	1.01%	0.310%
57	16.806	2370	2377	2380	rBV	848877	1622983	1.90%	0.586%
58	16.900	2389	2393	2399	rVB	402328	712134	0.84%	0.257%
59	17.024	2406	2414	2417	rBV4	181867	468348	0.55%	0.169%
60	17.118	2425	2430	2439	rBV2	220115	438339	0.51%	0.158%
61	17.265	2449	2455	2460	rBV4	199017	403733	0.47%	0.146%
62	17.335	2461	2467	2470	rBV	723123	1095138	1.28%	0.395%
63	17.370	2470	2473	2479	rVB	366185	504569	0.59%	0.182%
64	17.464	2479	2489	2492	rBV3	1152952	2593377	3.04%	0.936%
65	17.552	2498	2504	2507	rBV2	531208	1020246	1.20%	0.368%
66	17.599	2507	2512	2517	rVV	4497340	7291218	8.55%	2.632%
67	17.652	2517	2521	2525	rVV2	1003890	1734332	2.03%	0.626%
68	17.688	2525	2527	2530	rVV	507015	557852	0.65%	0.201%
69	17.917	2561	2566	2569	rBV	748281	1214654	1.43%	0.438%
70	17.970	2569	2575	2580	rVV	4752714	8619408	10.11%	3.111%
71	18.046	2580	2588	2595	rVV3	1213432	3041737	3.57%	1.098%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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	18.111	2595	2599	2606	rVB	1683941	2605297	3.06%	0.940%
73	18.193	2606	2613	2618	rBV2	489756	1113569	1.31%	0.402%
74	18.240	2618	2621	2625	rVV3	346030	569837	0.67%	0.206%
75	18.299	2625	2631	2636	rVV4	335799	769008	0.90%	0.278%
76	18.387	2642	2646	2650	rVV2	851809	1408140	1.65%	0.508%
77	18.422	2650	2652	2656	rVV	266835	397724	0.47%	0.144%
78	18.475	2656	2661	2668	rVV2	1586820	2765600	3.24%	0.998%
79	18.545	2668	2673	2678	rVV	1168050	1669333	1.96%	0.603%
80	18.622	2678	2686	2691	rVV3	358066	786269	0.92%	0.284%
81	18.704	2692	2700	2701	rVV	628292	1194251	1.40%	0.431%
82	18.722	2701	2703	2708	rVV3	730503	1264944	1.48%	0.457%
83	18.804	2713	2717	2722	rVV5	418898	1027819	1.21%	0.371%
84	18.857	2722	2726	2731	rVV2	660682	1210649	1.42%	0.437%
85	18.910	2731	2735	2740	rVB	479844	677049	0.79%	0.244%
86	19.121	2767	2771	2778	rVV2	281857	520755	0.61%	0.188%
87	19.339	2803	2808	2814	rVB4	297963	519660	0.61%	0.188%
88	19.591	2845	2851	2857	rVV	442631	778790	0.91%	0.281%
89	19.926	2901	2908	2911	rVV2	1407735	2318712	2.72%	0.837%
90	19.956	2911	2913	2922	rVB2	601720	1017600	1.19%	0.367%
91	20.326	2971	2976	2979	rBV	321683	455586	0.53%	0.164%
92	20.384	2979	2986	2988	rVV	1196658	2041442	2.40%	0.737%
93	20.437	2988	2995	3001	rVB	2119090	4997993	5.86%	1.804%
94	20.931	3075	3079	3088	rVB	299124	551614	0.65%	0.199%
95	21.019	3088	3094	3099	rBV2	553629	1216785	1.43%	0.439%
96	21.072	3099	3103	3109	rVB	472597	761554	0.89%	0.275%
97	21.830	3225	3232	3238	rBV2	751885	1330872	1.56%	0.480%
98	22.488	3337	3344	3352	rBV	322790	644480	0.76%	0.233%
99	24.956	3752	3764	3774	rVB	675287	1970261	2.31%	0.711%
100	25.185	3791	3803	3816	rVB	405914	1176139	1.38%	0.425%

Sum of corrected areas: 277045383

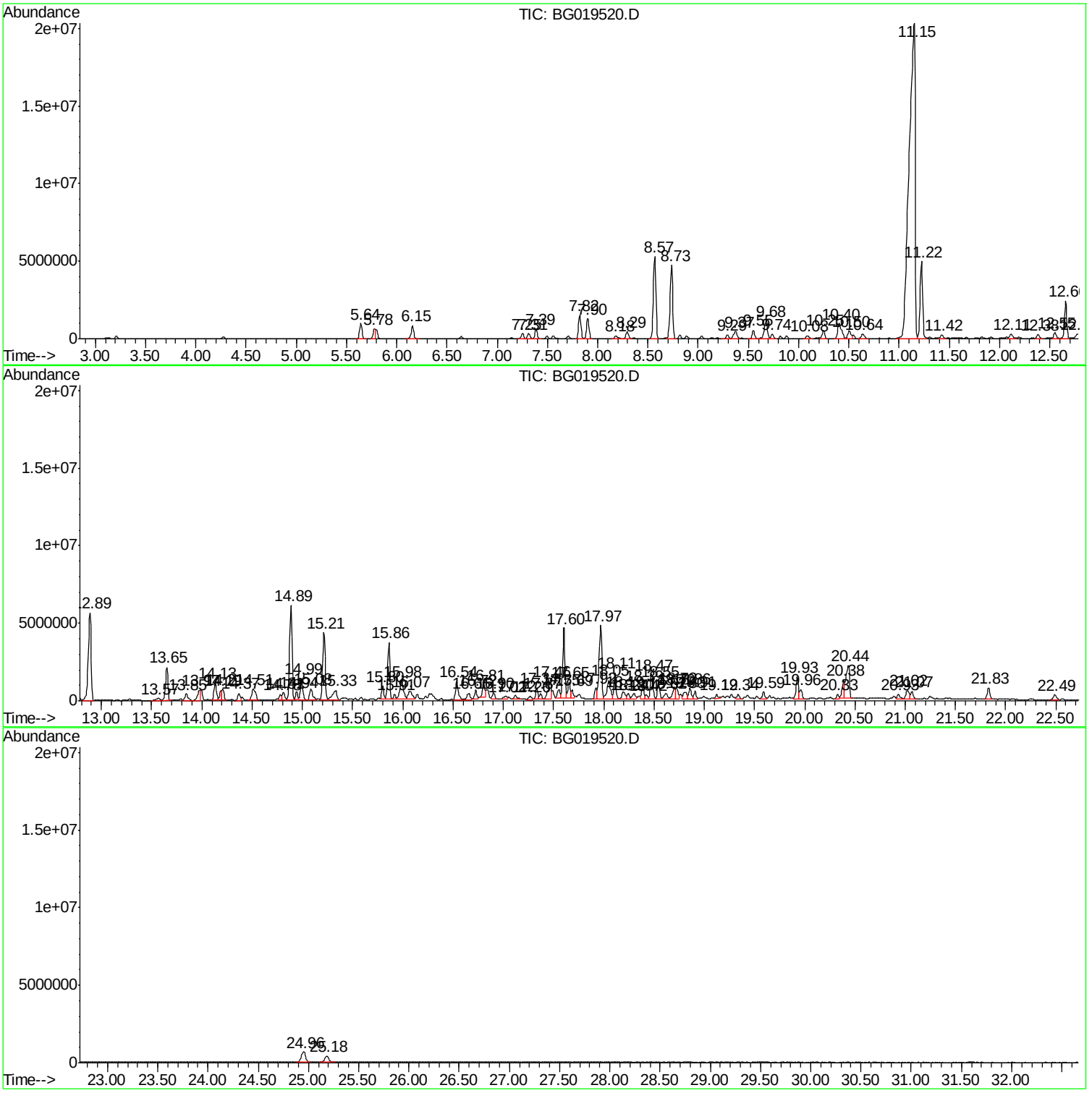
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

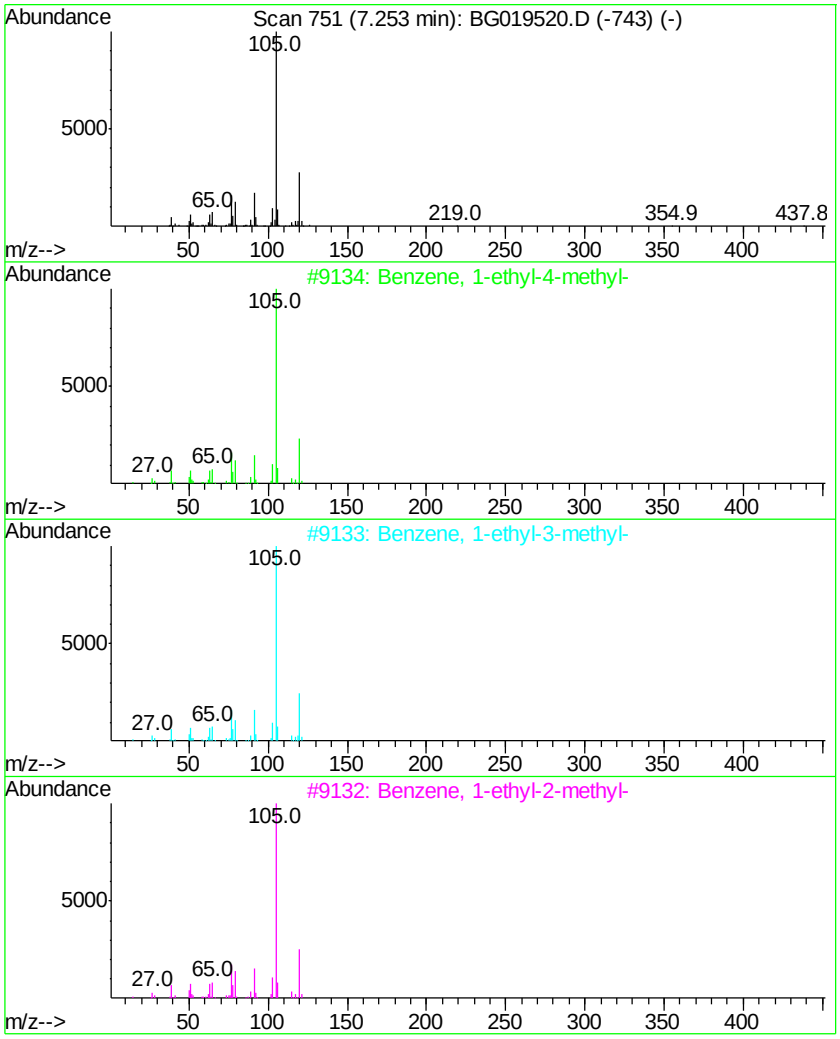
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

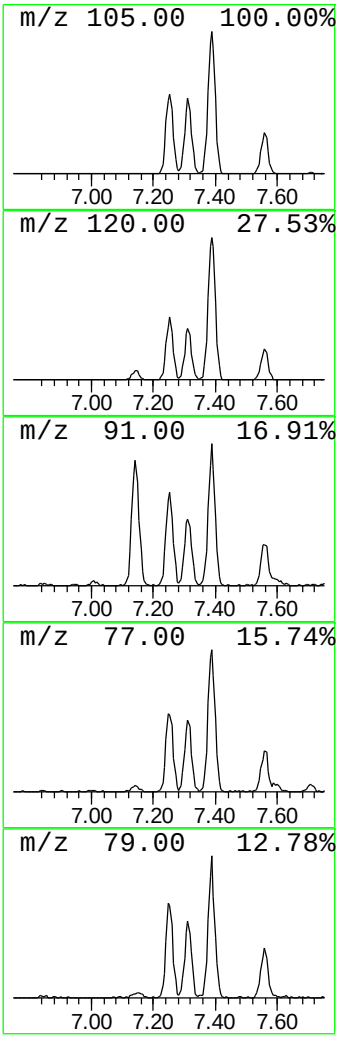
****

Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	28.41 ng/ul	569532	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	97
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

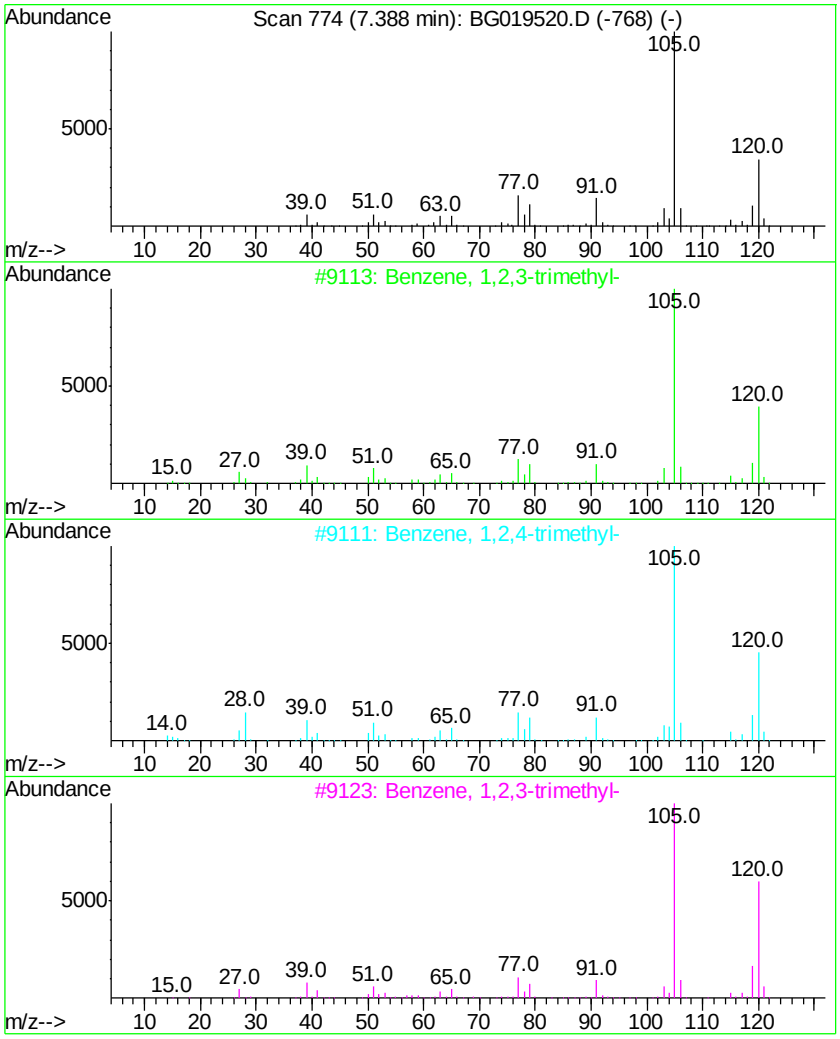
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

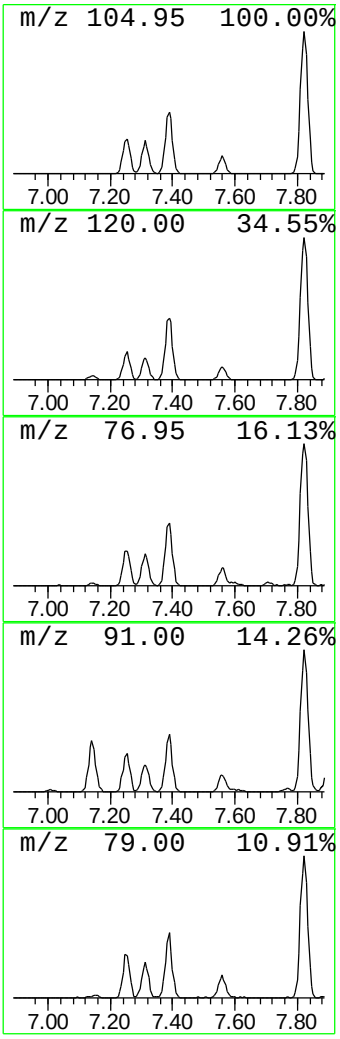
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	53.20 ng/ul	1066530	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

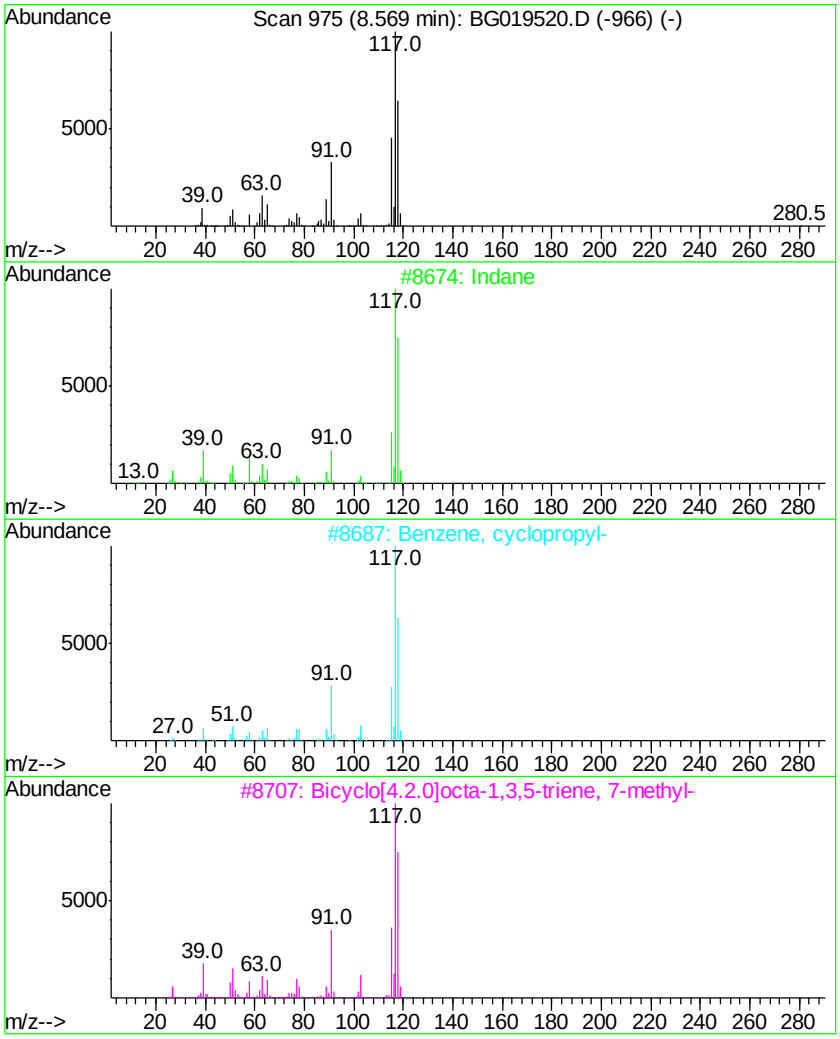
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

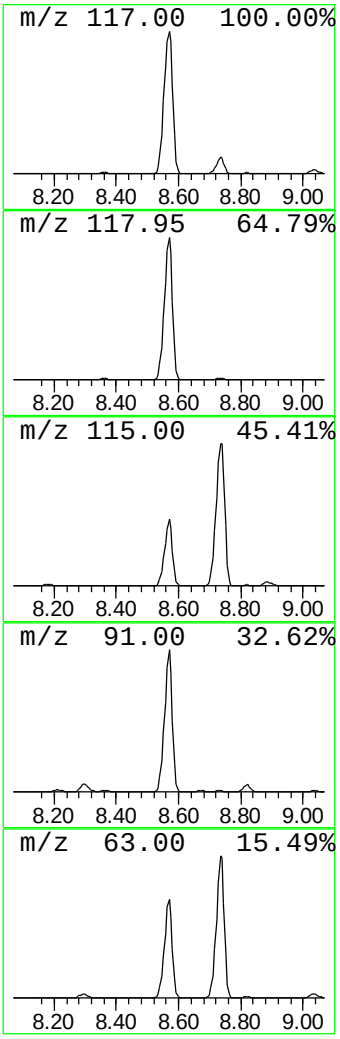
****

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	481.26 ng/ul	9647190	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	89
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	76
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

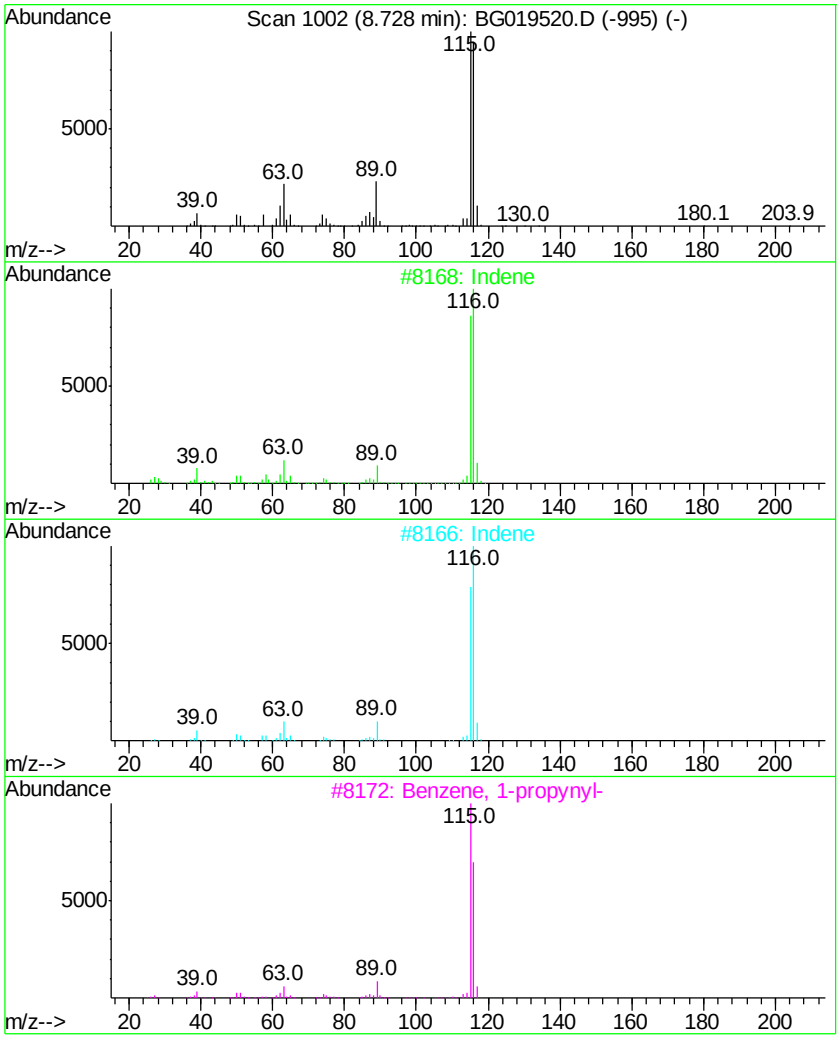
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

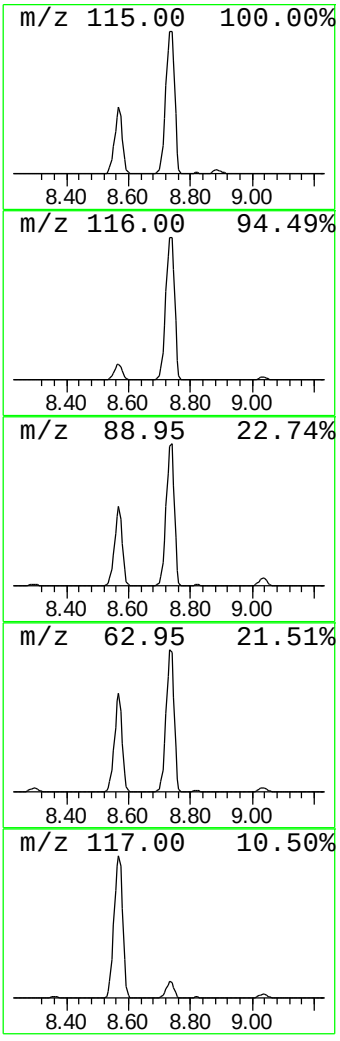
****

Peak Number 10 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	442.42 ng/ul	8868700	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	94
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

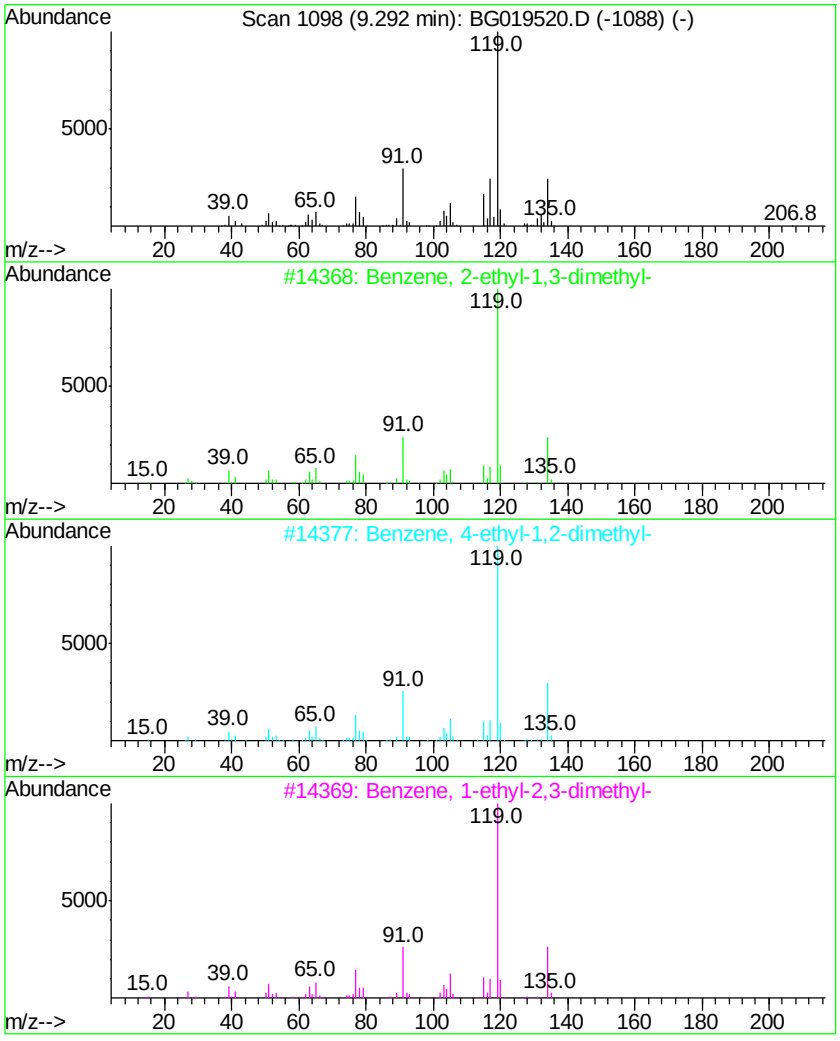
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

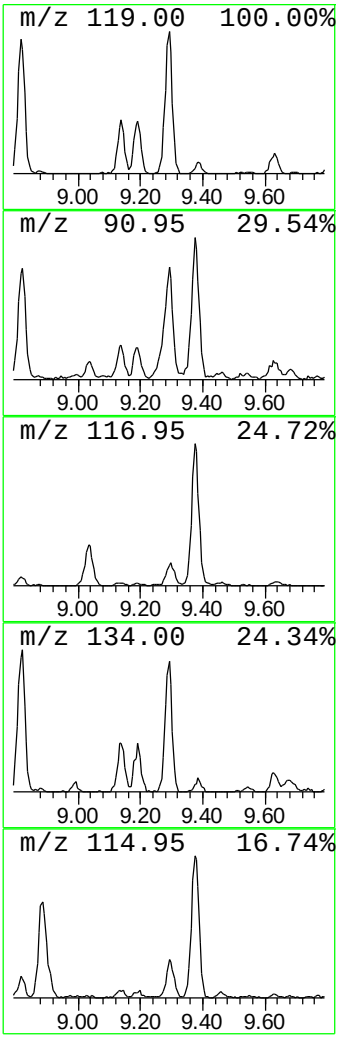
****

Peak Number 11 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	23.32 ng/ul	467373	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

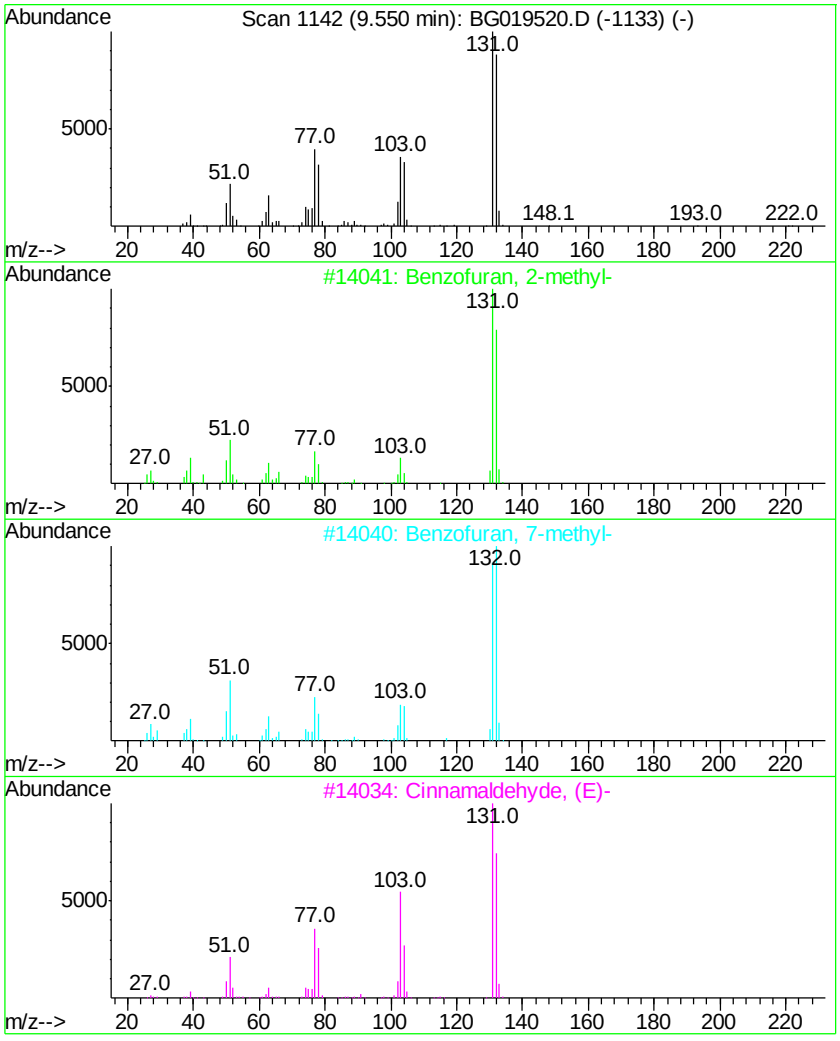
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

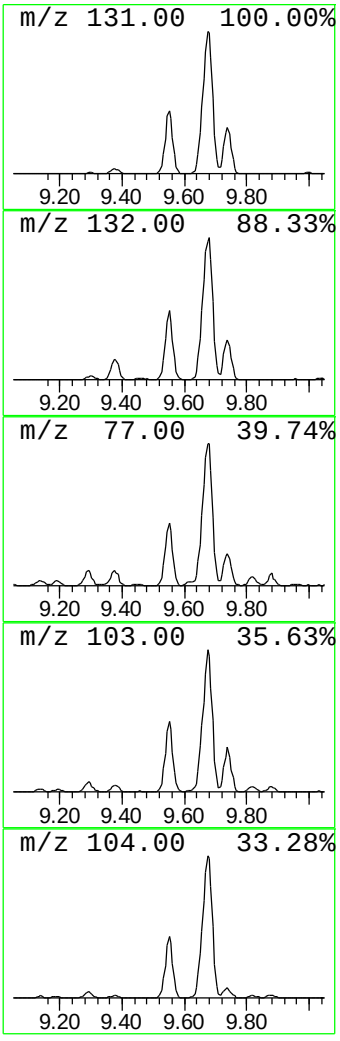
****

Peak Number 12 Benzofuran, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	46.77 ng/ul	937509	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87





Library Search Compound Report

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Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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

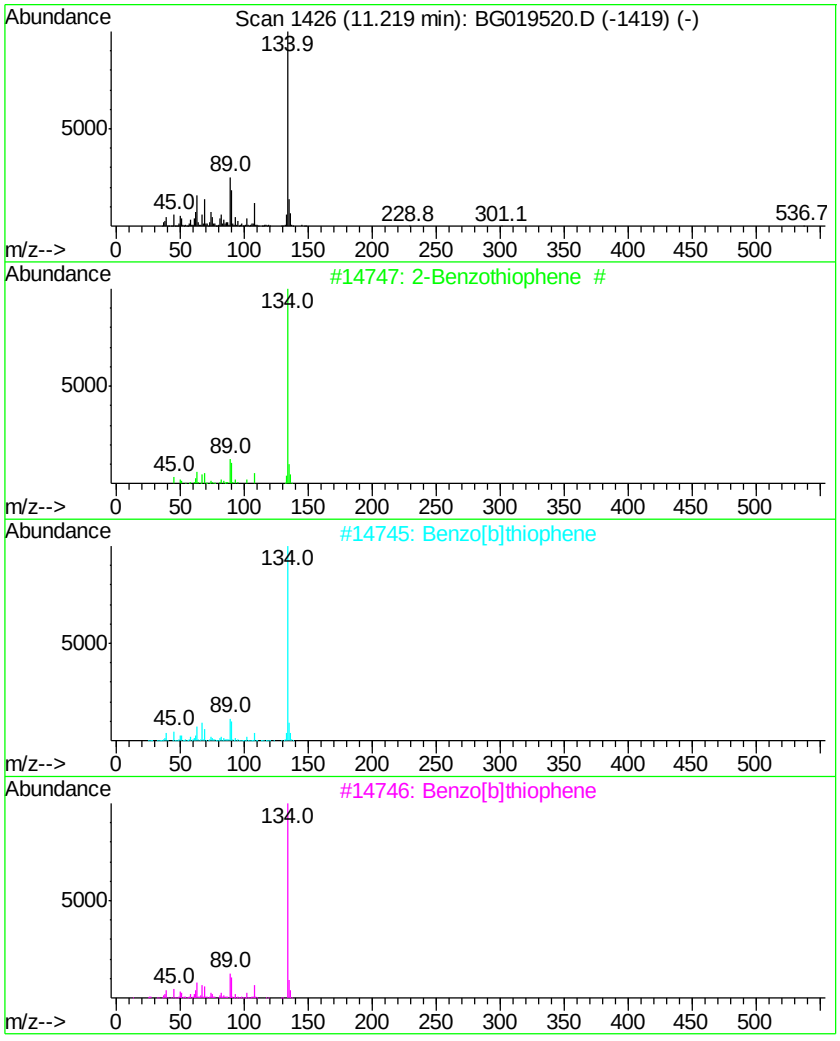
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

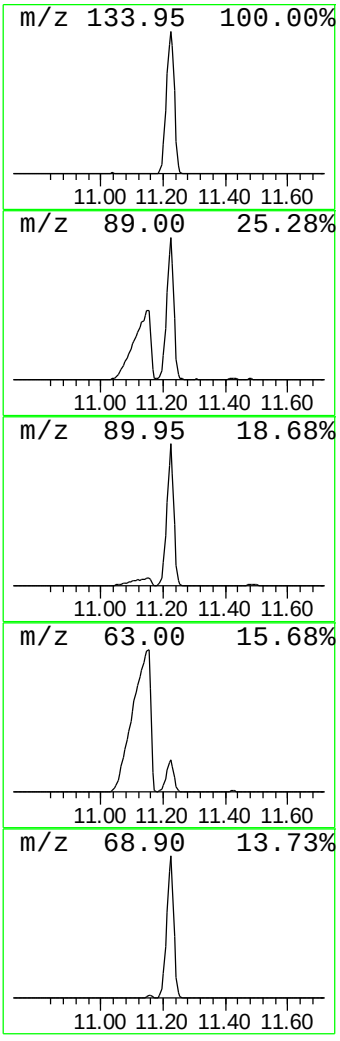
****

Peak Number 13 2-Benzothiophene # Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.04 ng/ul	8709790	Naphthalene-d8	11.06

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





Library Search Compound Report

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Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
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Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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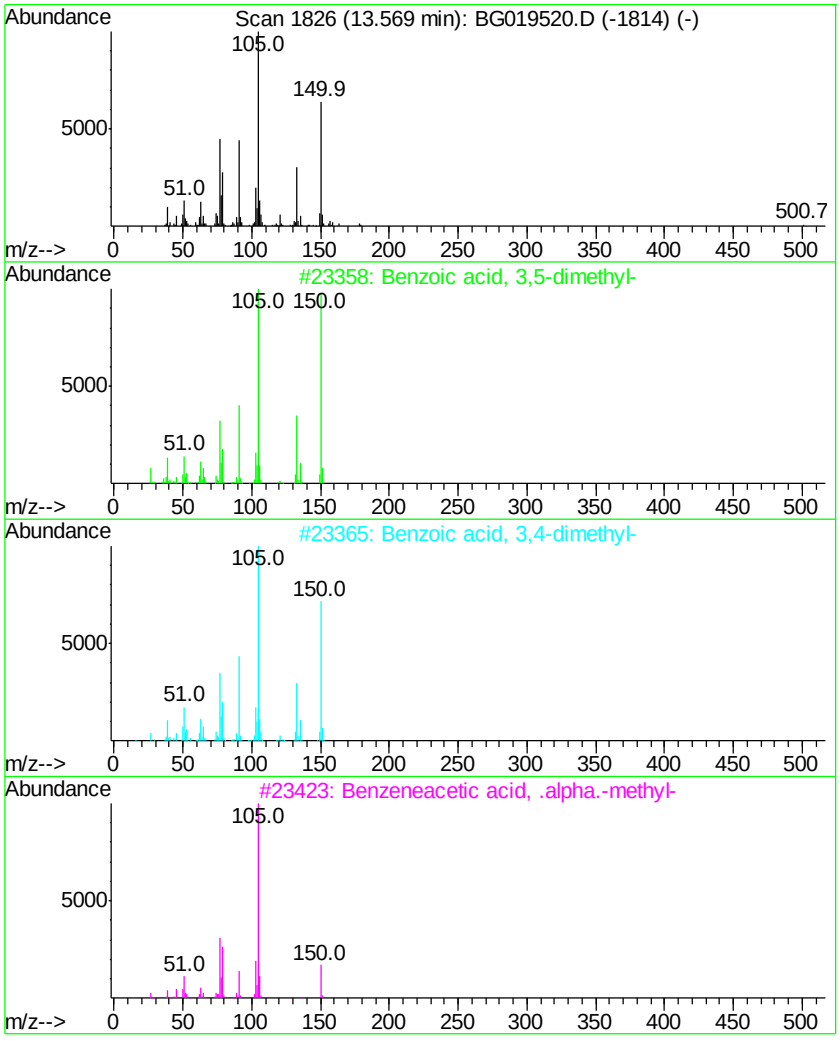
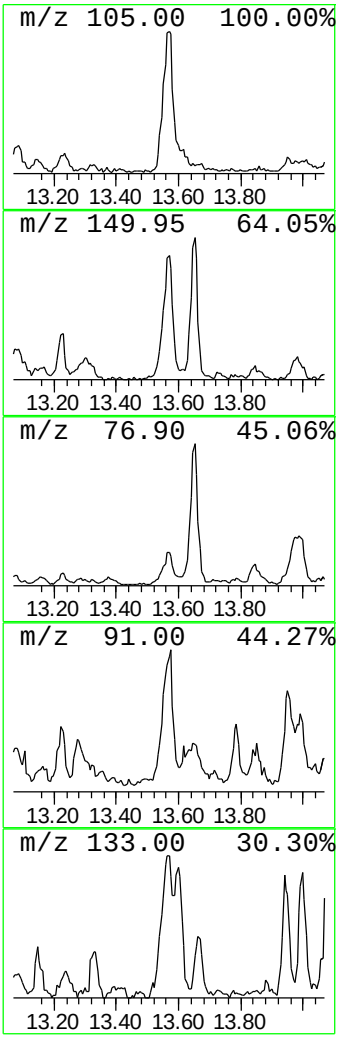
Peak Number 14 Benzoic acid, 3,5-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	10.21 ng/ul	405125	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	94
2	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	93
3	Benzeneacetic acid, .alpha.-methyl-	150	C9H10O2	000492-37-5	87
4	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	87
5	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	80





Library Search Compound Report

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Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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 15 Naphthalene, 1-ethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	23.40 ng/ul	928422	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
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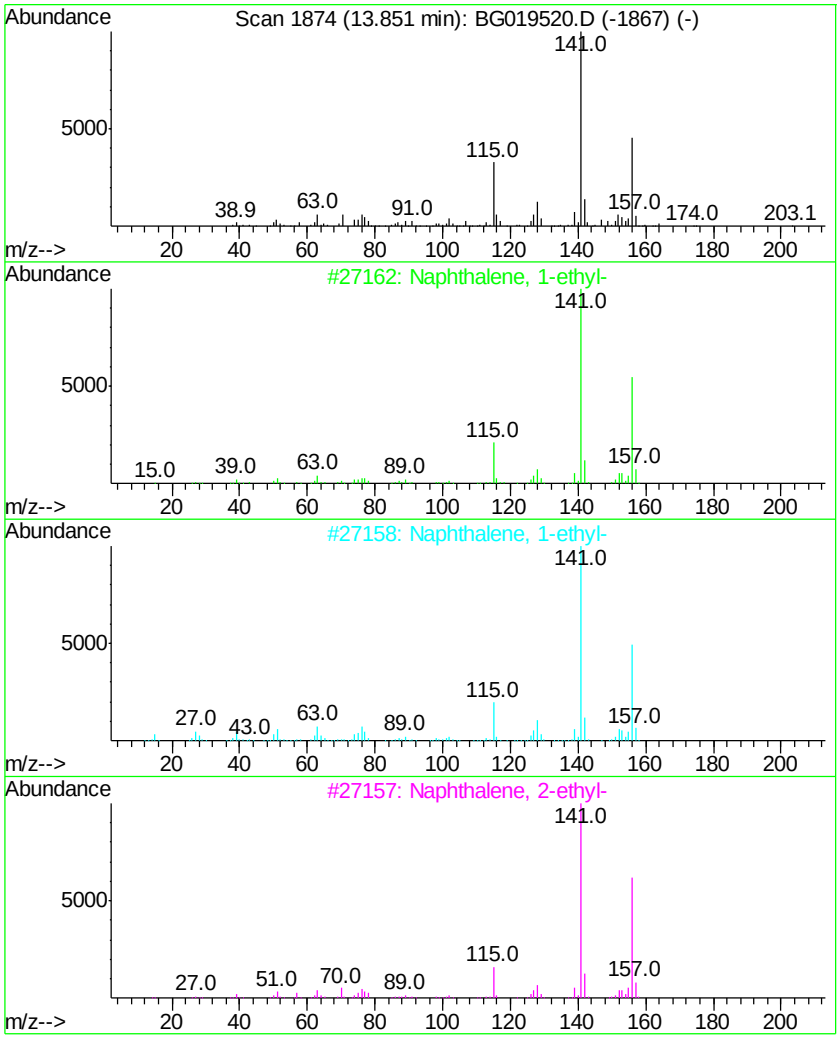

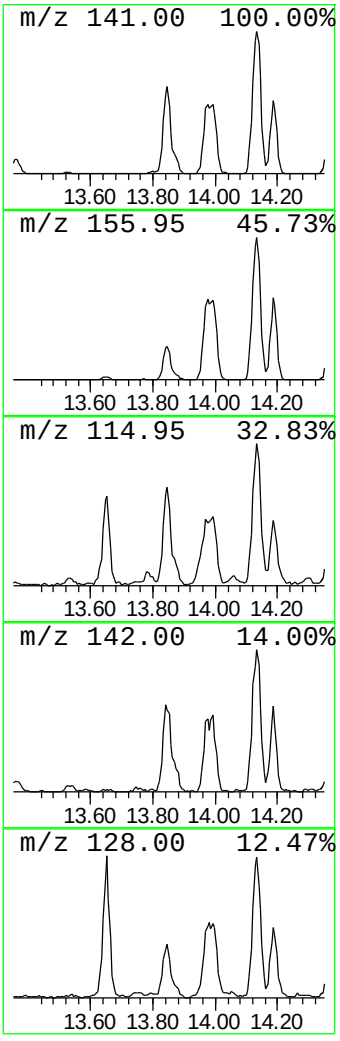

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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 16 Naphthalene, 2,6-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	29.57 ng/ul	1173500	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
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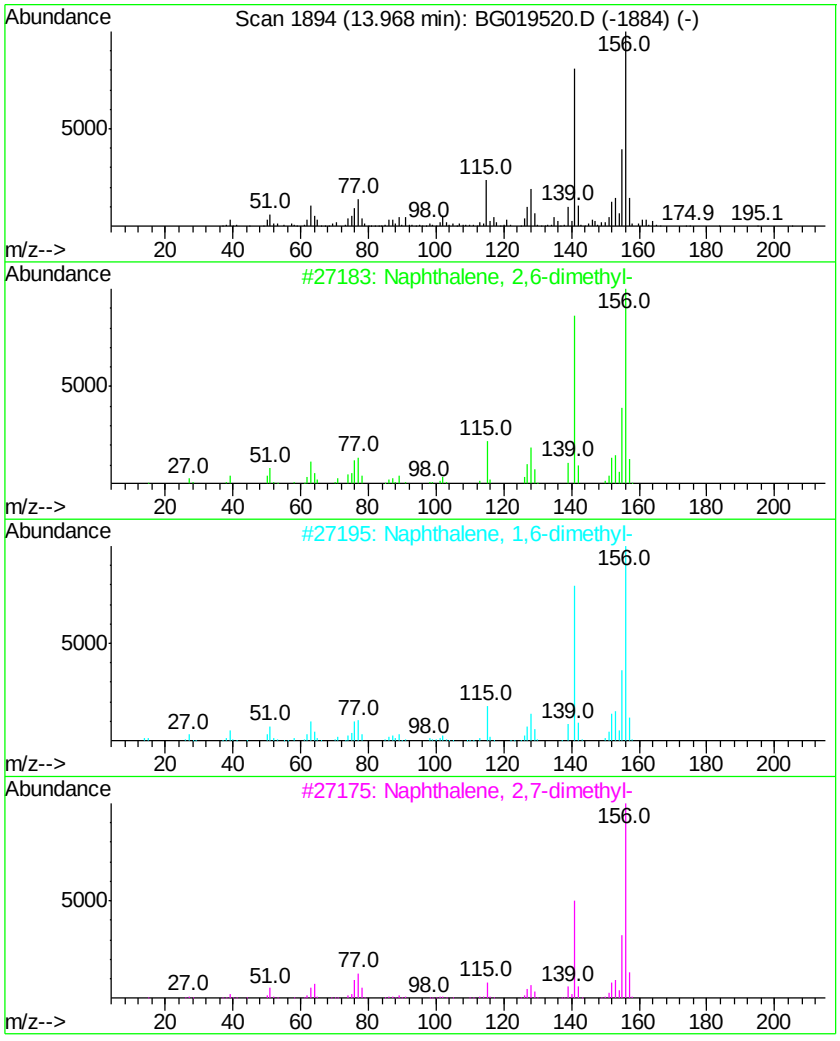

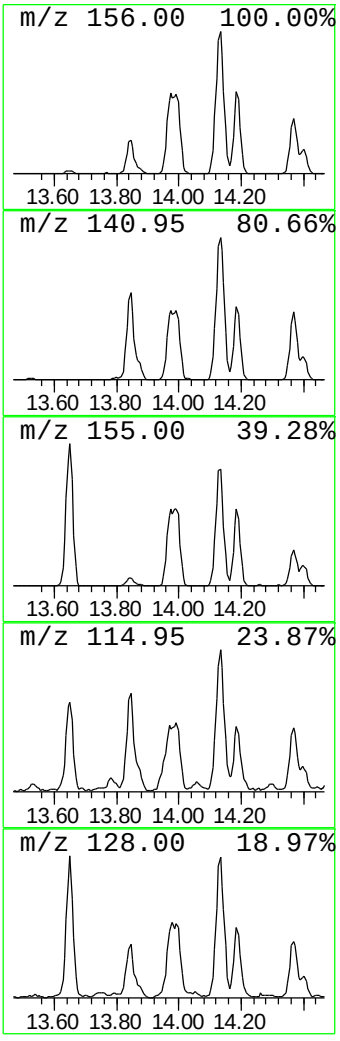

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Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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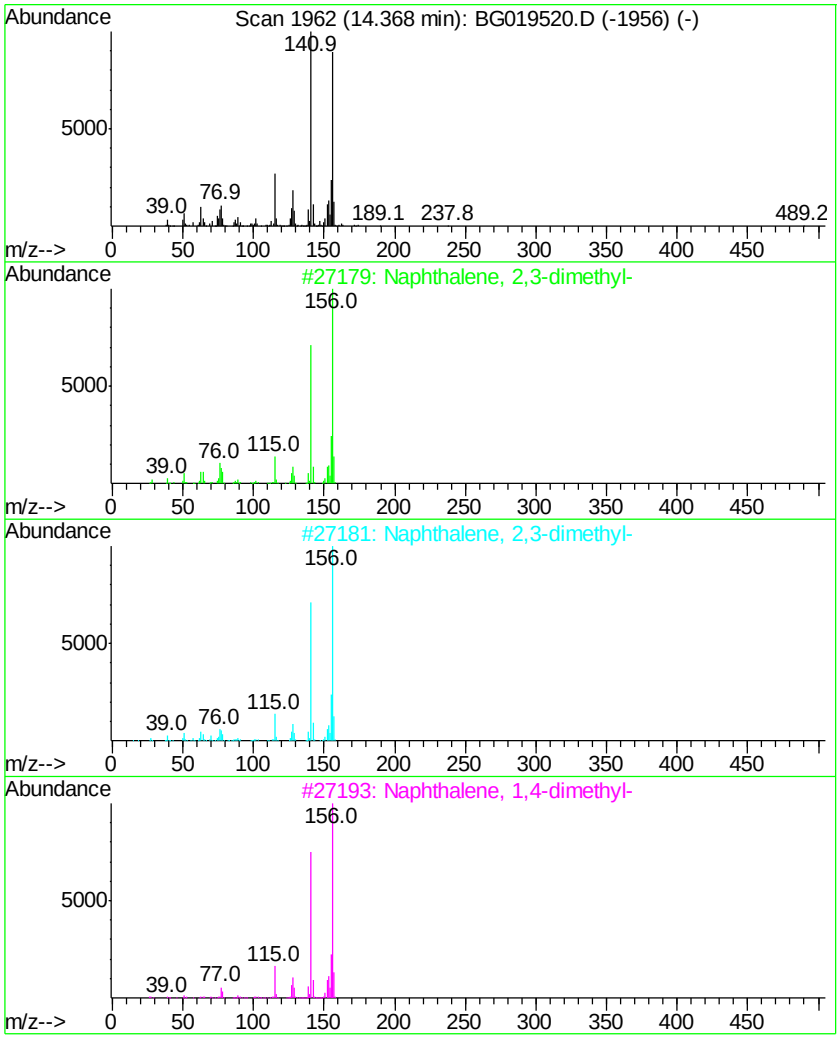
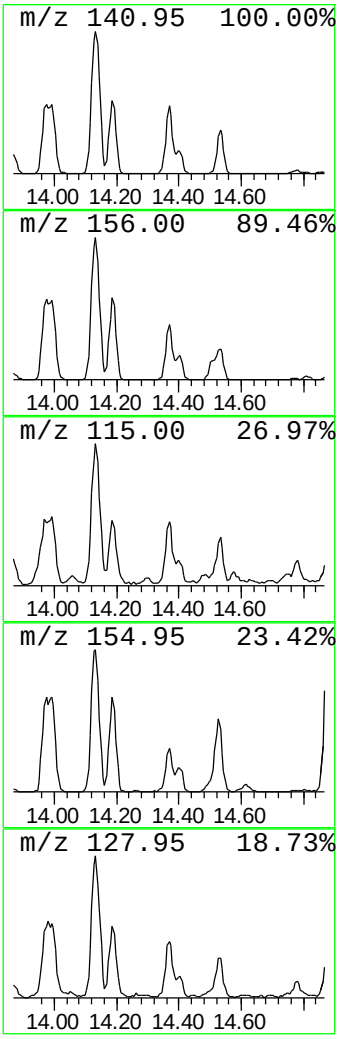
Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	18.37 ng/ul	728892	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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 2-Naphthalenecarbonitrile Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	18.09 ng/ul	717868	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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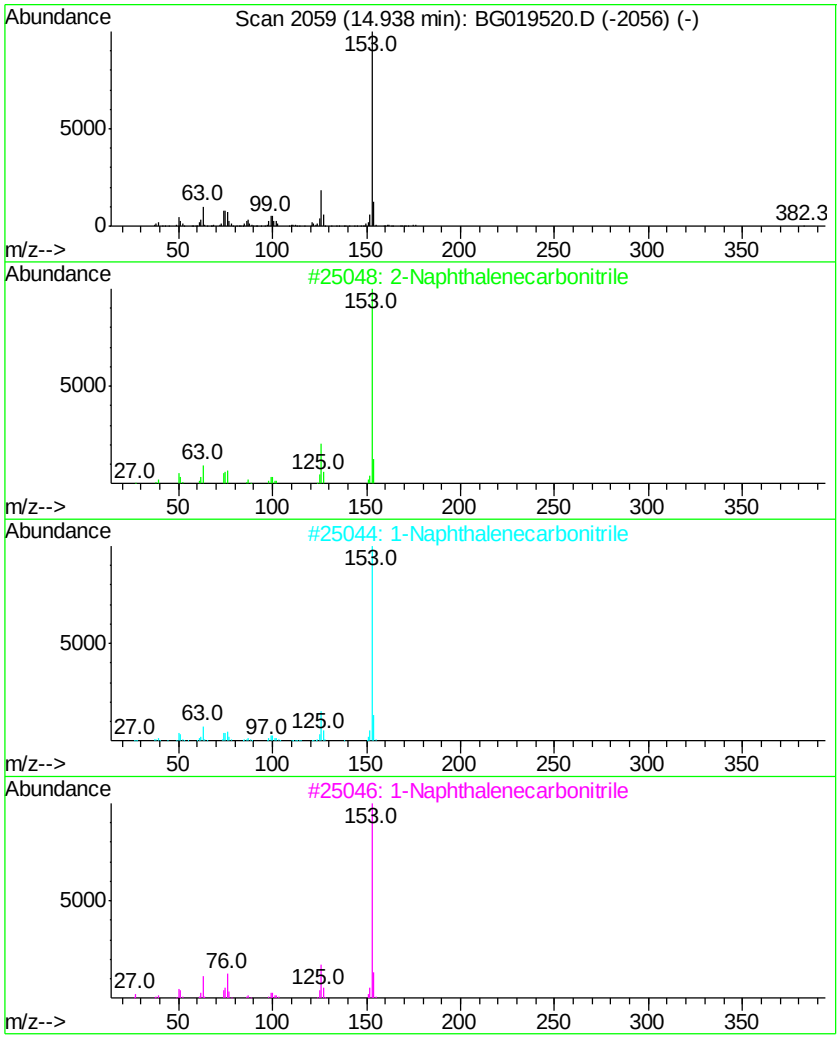

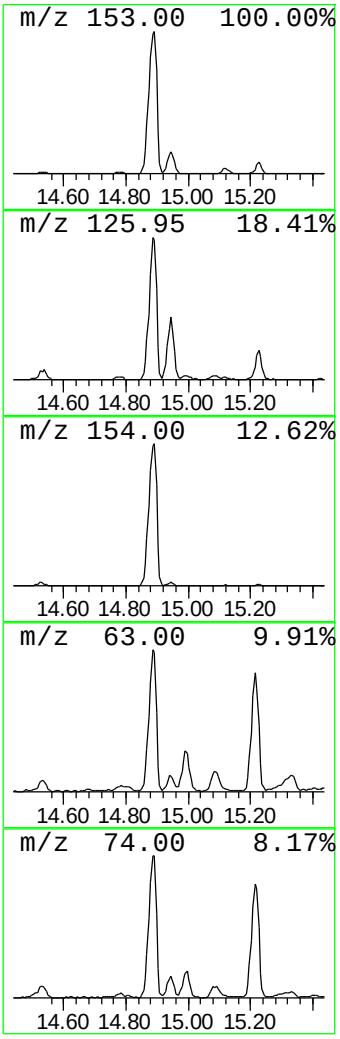

Library Search Compound Report

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Sample : G4245-18
Misc :
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Instrument : BNA_G
ClientSampleId : BCY53

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Quant Title : SVOA CALIBRATION

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

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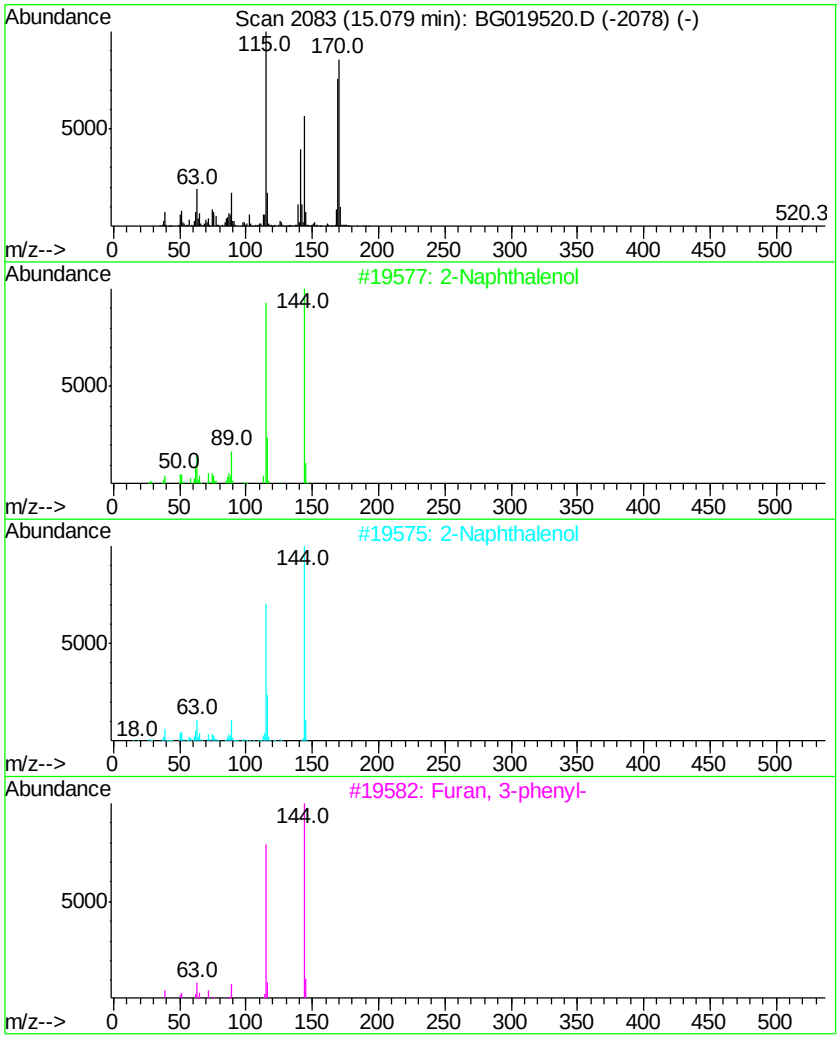
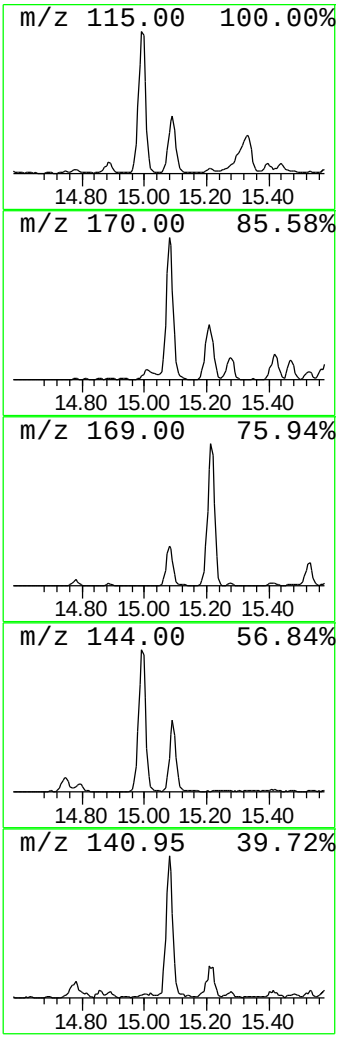
Peak Number 20 2-Naphthalenol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	38.75 ng/ul	1537530	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	96
2	2-Naphthalenol	144	C10H8O	000135-19-3	64
3	Furan, 3-phenyl-	144	C10H8O	013679-41-9	50
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	49
5	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	46





Library Search Compound Report

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Sample : G4245-18
Misc :
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Instrument : BNA_G
ClientSampleId : BCY53

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Quant Title : SVOA CALIBRATION

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

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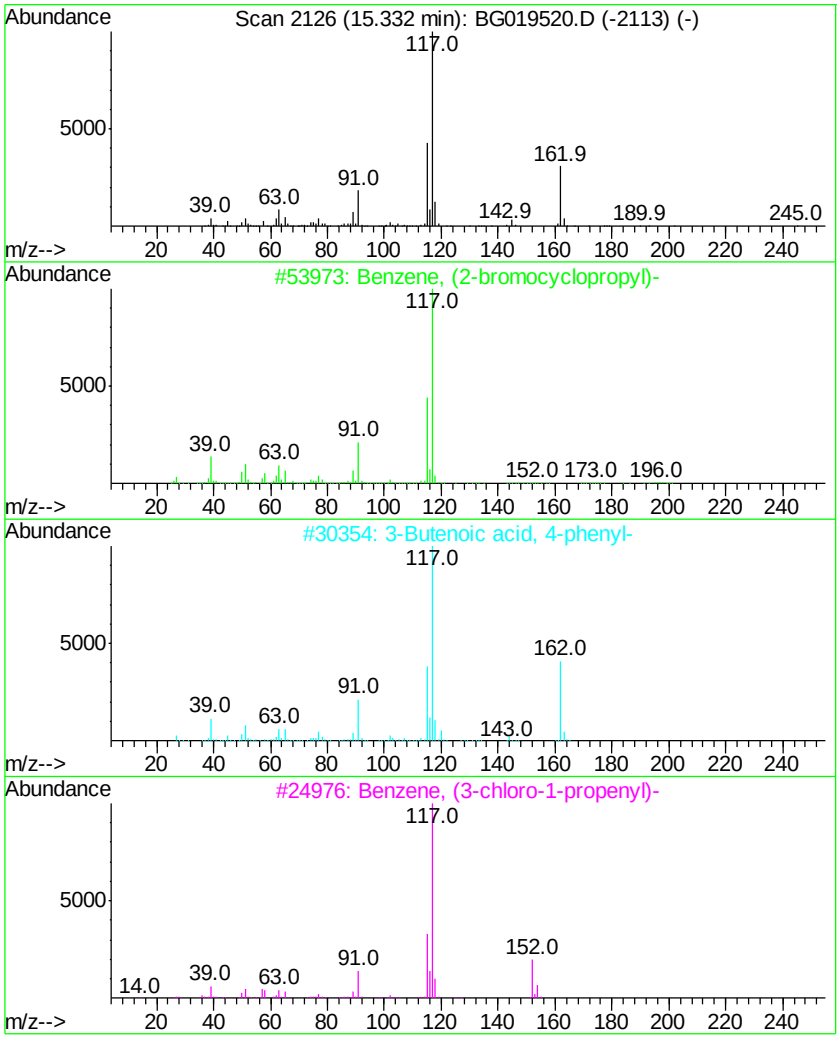
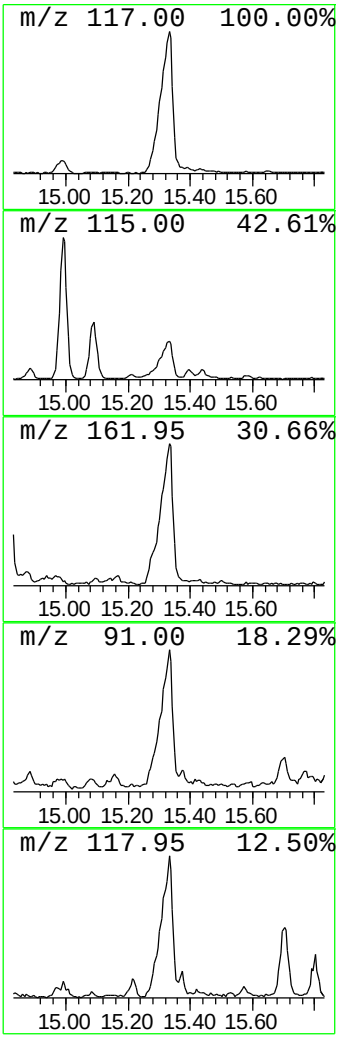
Peak Number 21 Benzene, (2-bromocyclopropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	43.67 ng/ul	1732940	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	72
2	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	72
3	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	64
4	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	58
5	Benzene, (chloromethyl)ethenyl-	152	C9H9Cl	030030-25-2	53





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Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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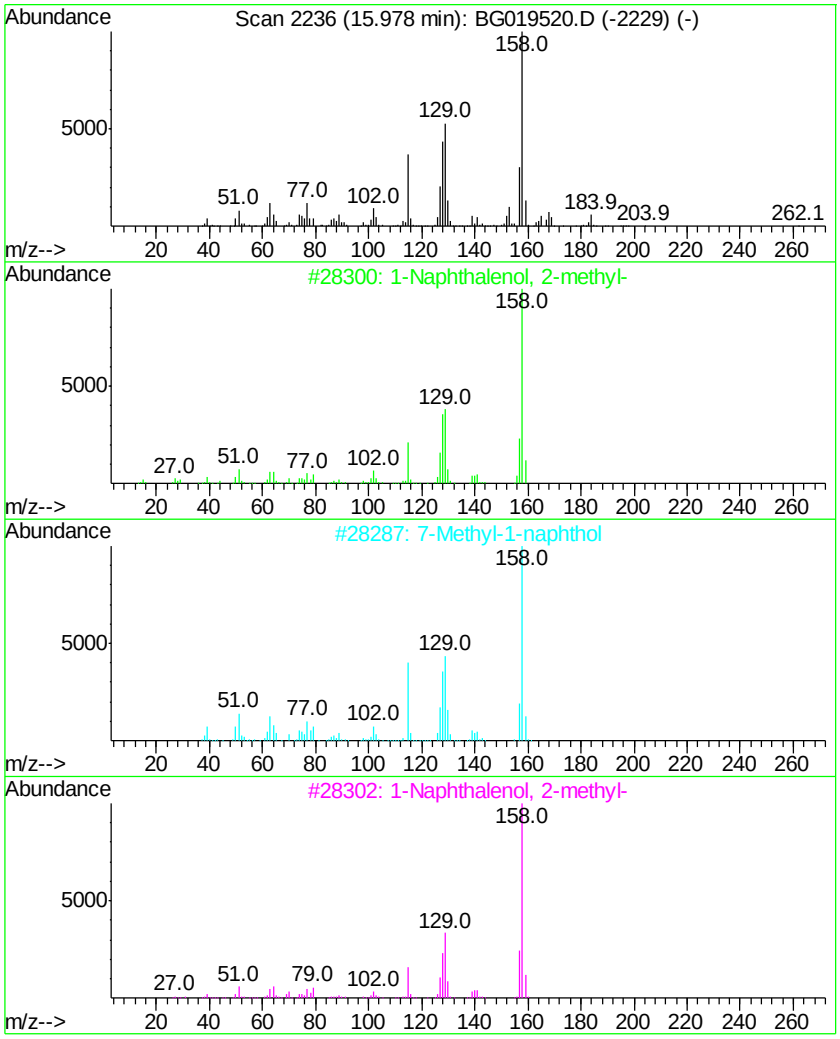
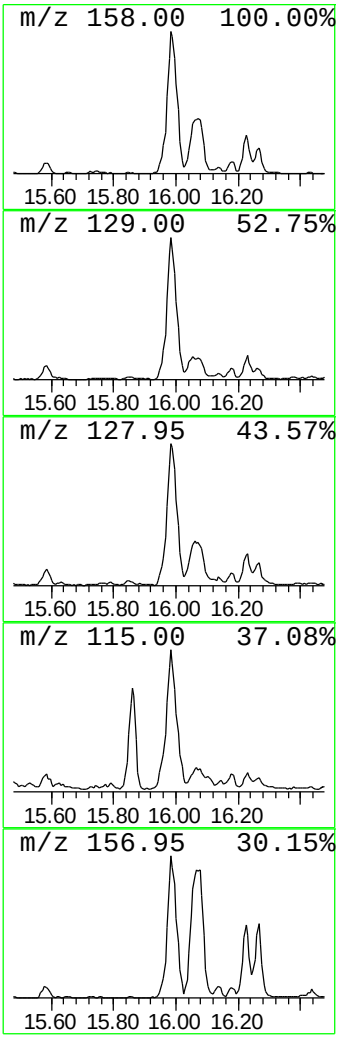
Peak Number 22 1-Naphthalenol, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	75.79 ng/ul	3007480	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	94
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	93
3	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	87
4	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	64
5	Phenol, 3-chloro-5-methoxy-	158	C7H7ClO2	065262-96-6	53





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Operator : UM/NP
Sample : G4245-18
Misc :
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Instrument : BNA_G
ClientSampleId : BCY53

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Quant Title : SVOA CALIBRATION

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

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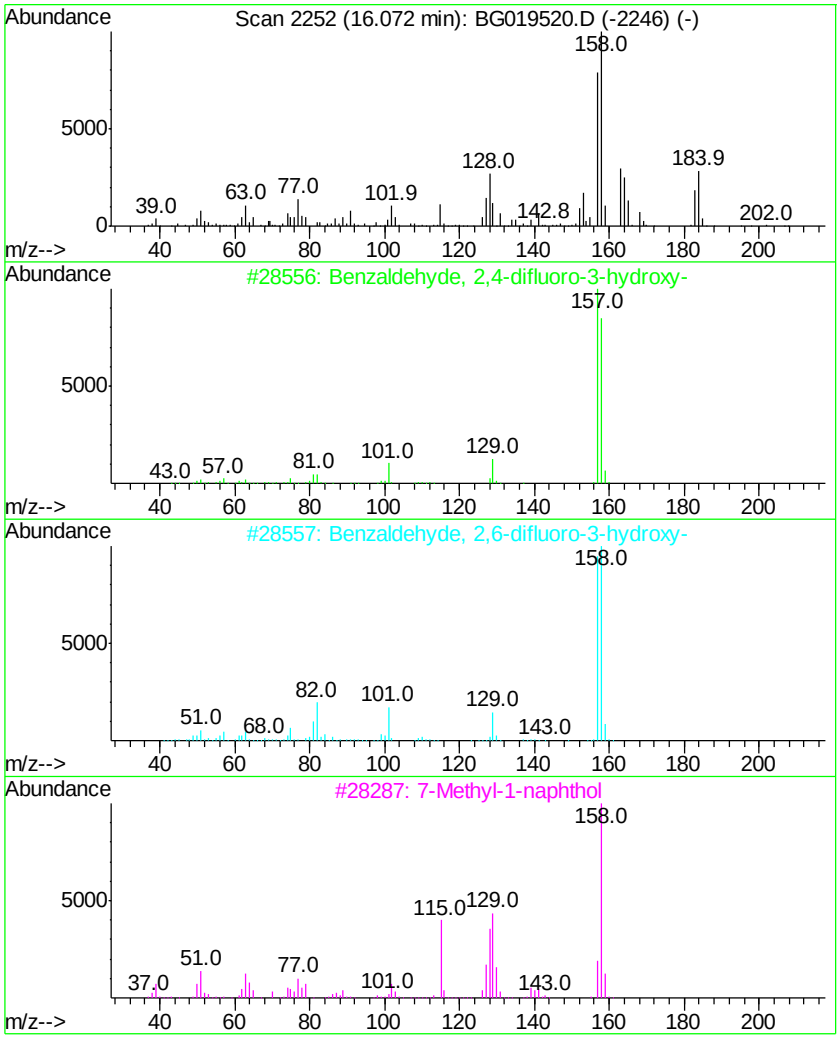
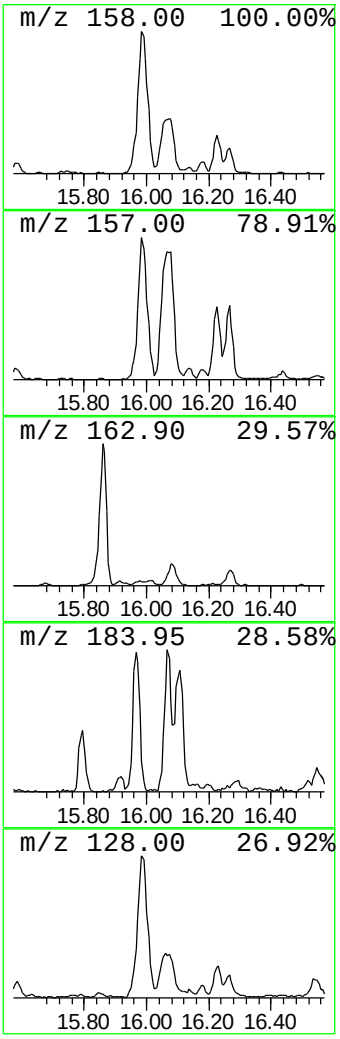
Peak Number 23 Benzaldehyde, 2,4-difluoro-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	34.92 ng/ul	1385490	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2,4-difluoro-3-hyd...	158	C7H4F2O2	192927-69-8	43
2	Benzaldehyde, 2,6-difluoro-3-hyd...	158	C7H4F2O2	152434-88-3	43
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	30
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	30
5	1H-Pyrazole, 3-methyl-5-phenyl-	158	C10H10N2	003347-62-4	27





Library Search Compound Report

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Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
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Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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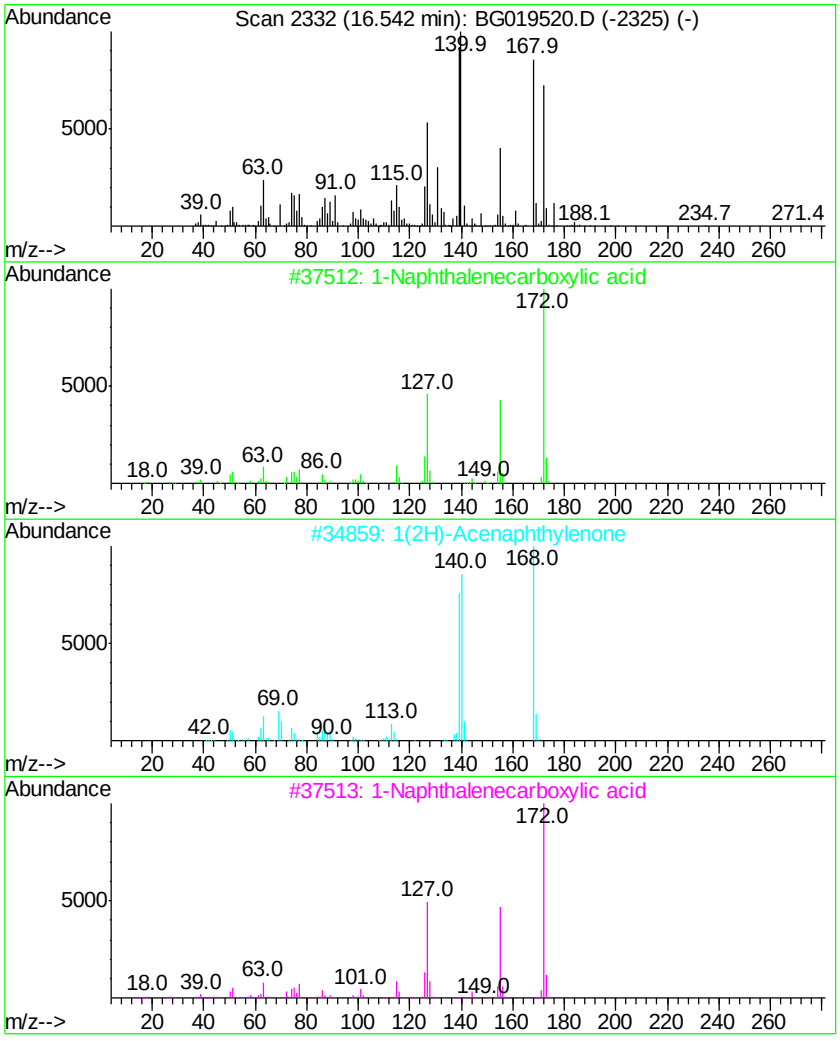
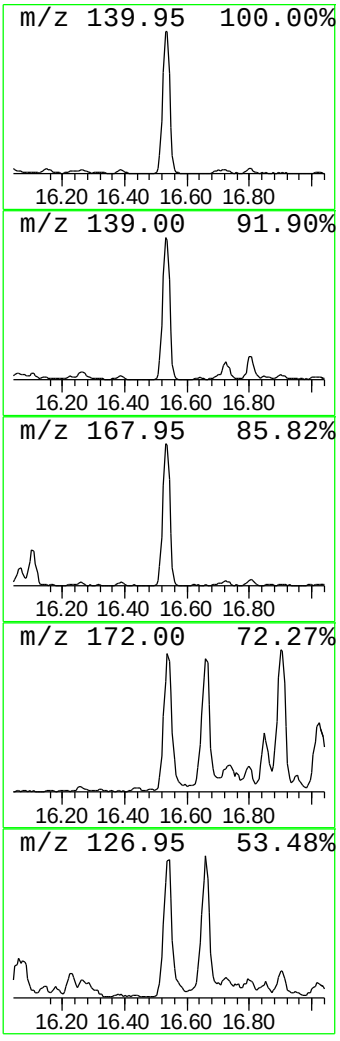
Peak Number 24 1-Naphthalenecarboxylic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	43.86 ng/ul	2237280	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	90
2	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	83
3	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	56
4	Dibenzofuran	168	C12H8O	000132-64-9	49
5	Dibenzofuran	168	C12H8O	000132-64-9	49





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Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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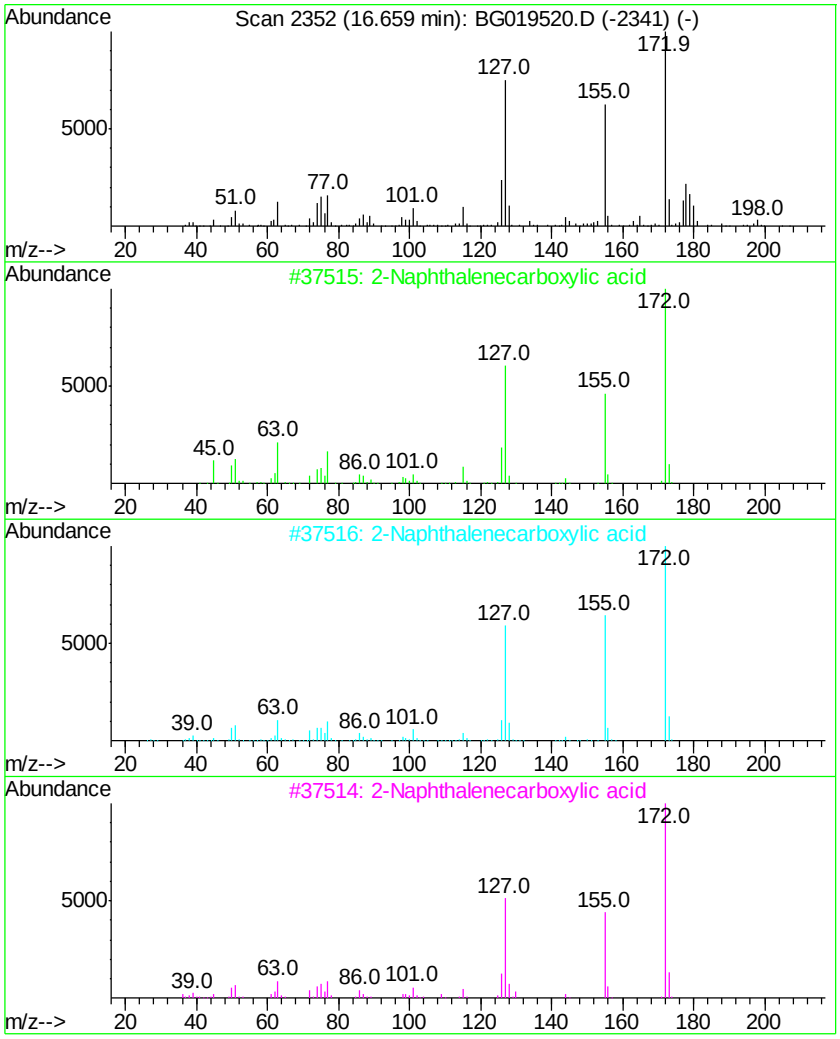
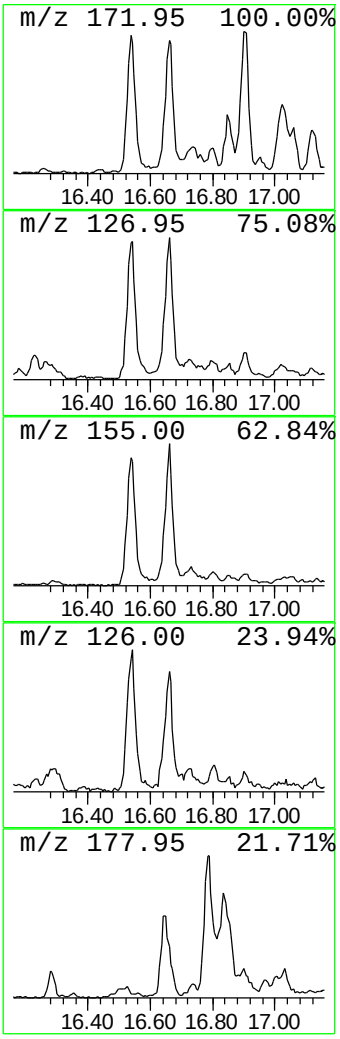
Peak Number 25 2-Naphthalenecarboxylic acid Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	19.37 ng/ul	988324	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	95
2	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	90
3	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	76
4	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	74
5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	68





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Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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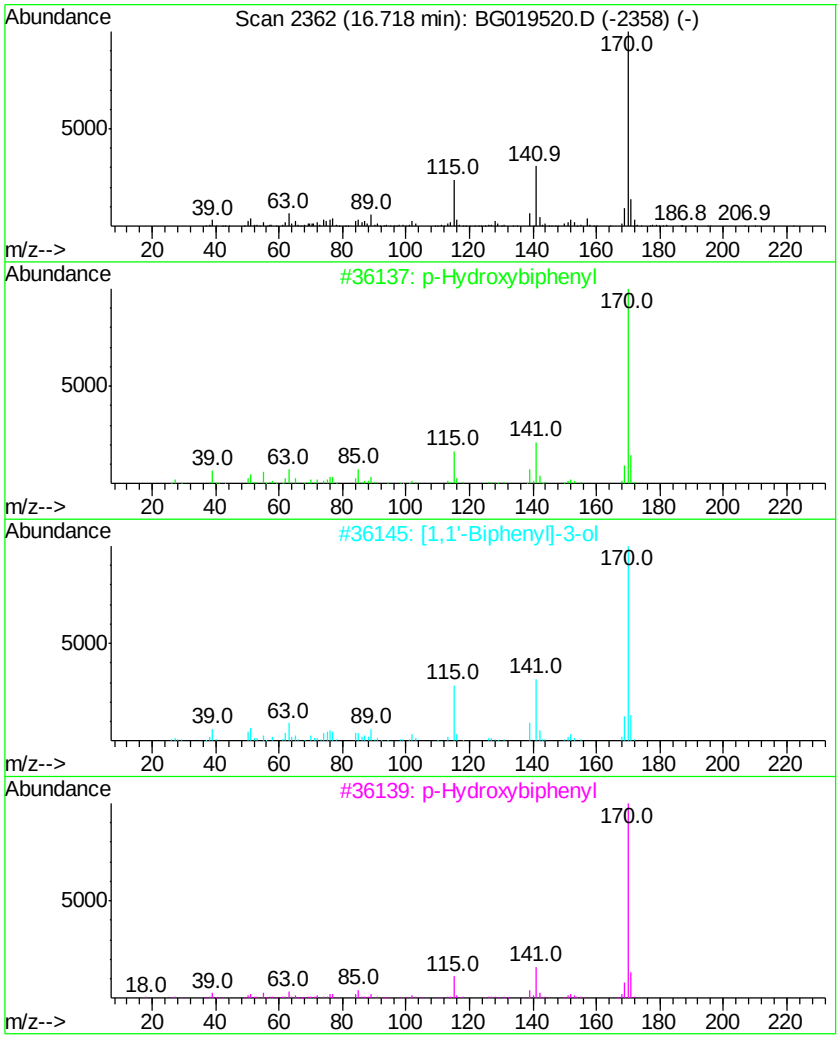
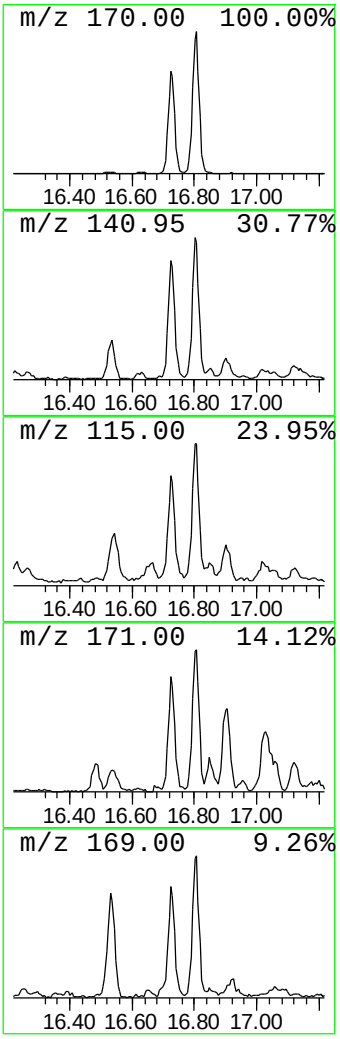
Peak Number 26 p-Hydroxybiphenyl Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	16.81 ng/ul	857540	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	91
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	80





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Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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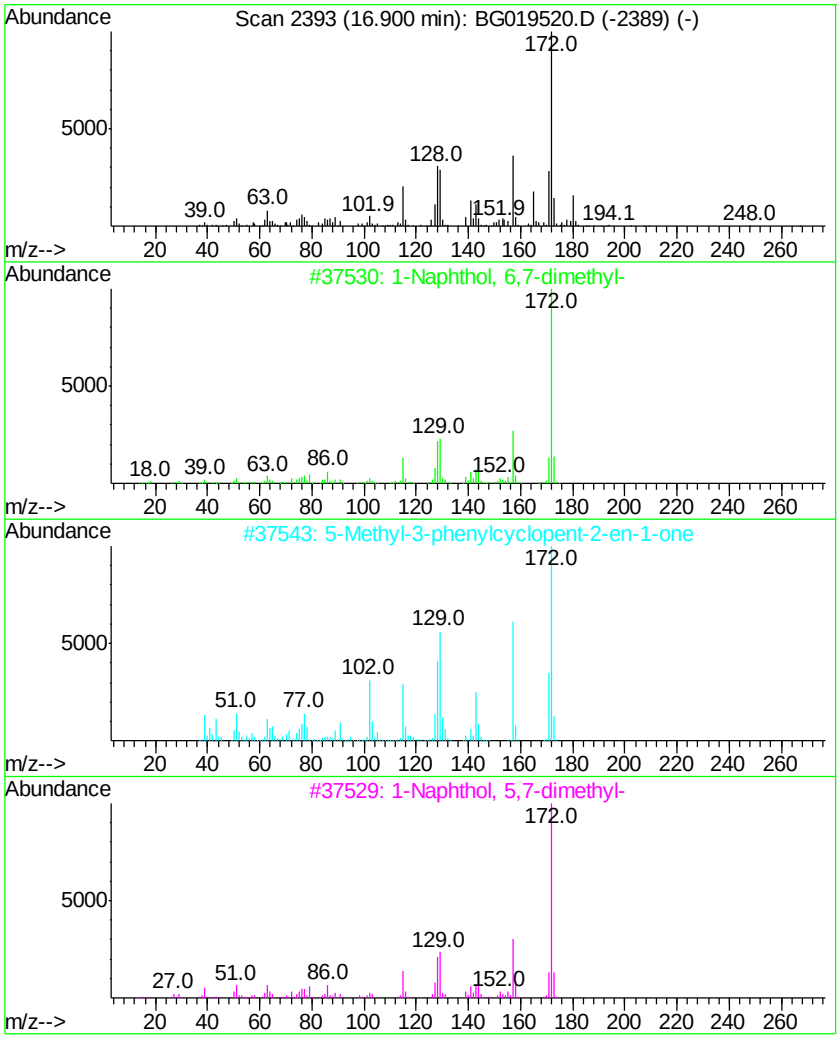
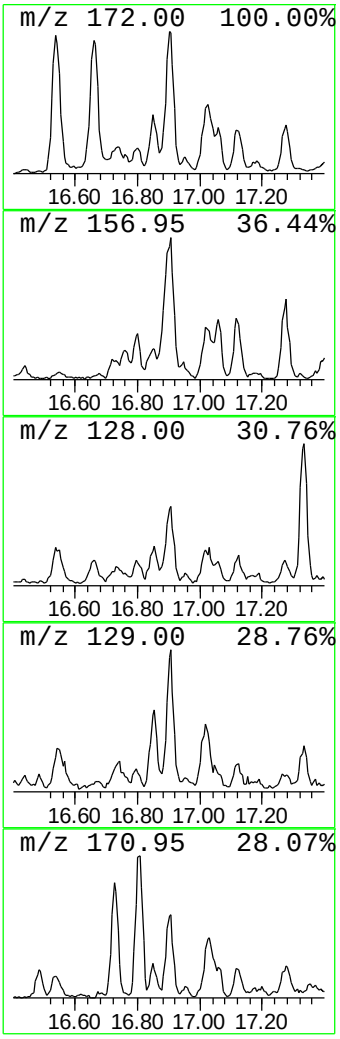
Peak Number 28 1-Naphthol, 6,7-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	13.96 ng/ul	712134	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	91
2	5-Methyl-3-phenylcyclopent-2-en-...	172	C12H12O	026131-82-8	91
3	1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	74
4	Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	58
5	Cinnoline, 4-ethyl-3-methyl-	172	C11H12N2	020873-32-9	47





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Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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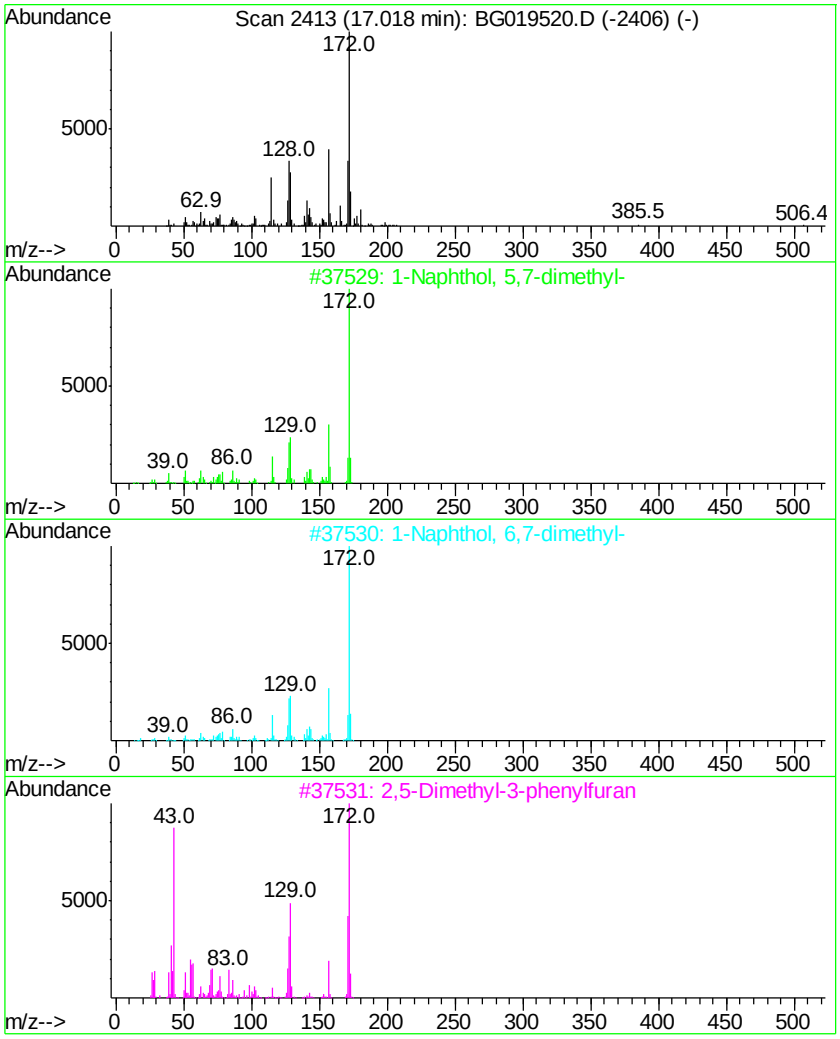
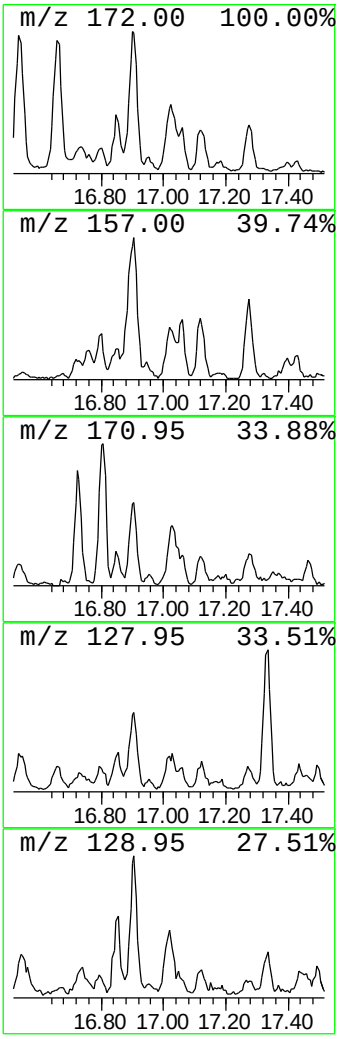
Peak Number 29 1-Naphthol, 5,7-dimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	9.18 ng/ul	468348	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	90
2	1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	90
3	2,5-Dimethyl-3-phenylfuran	172	C12H12O	019842-57-0	53
4	Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	52
5	Pyridine, 3-amino-2-chloro-4-met...	172	C7H9ClN2O	309275-53-4	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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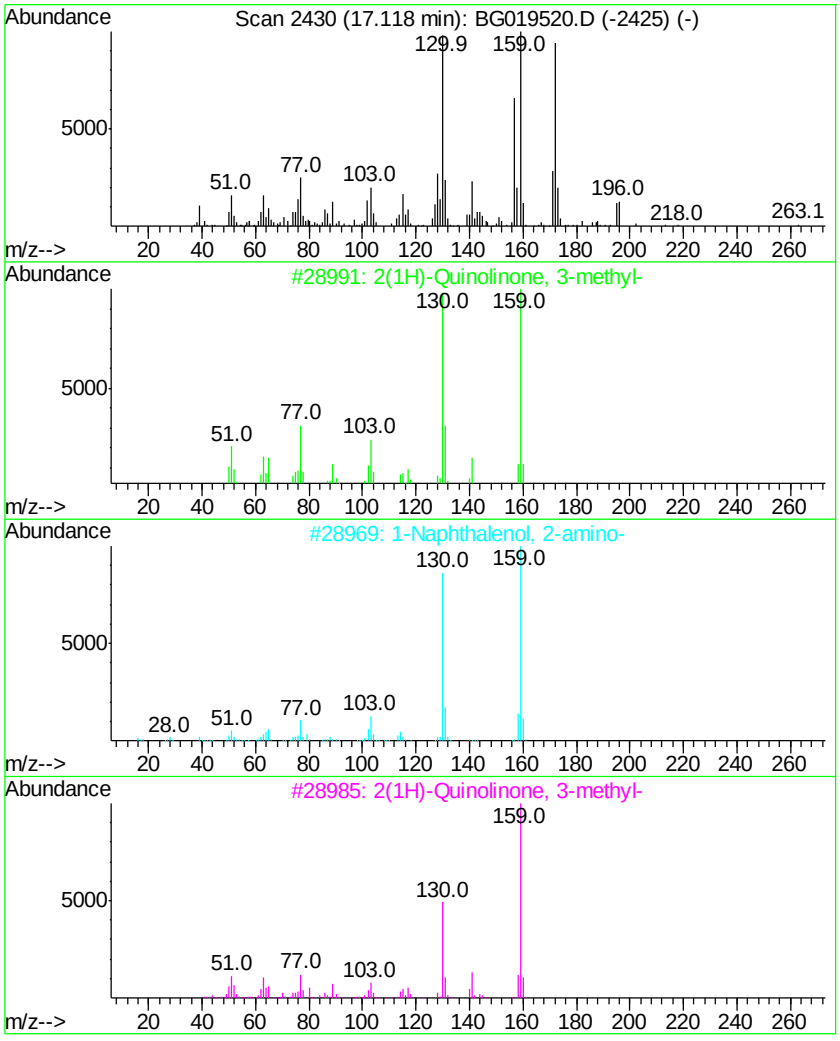
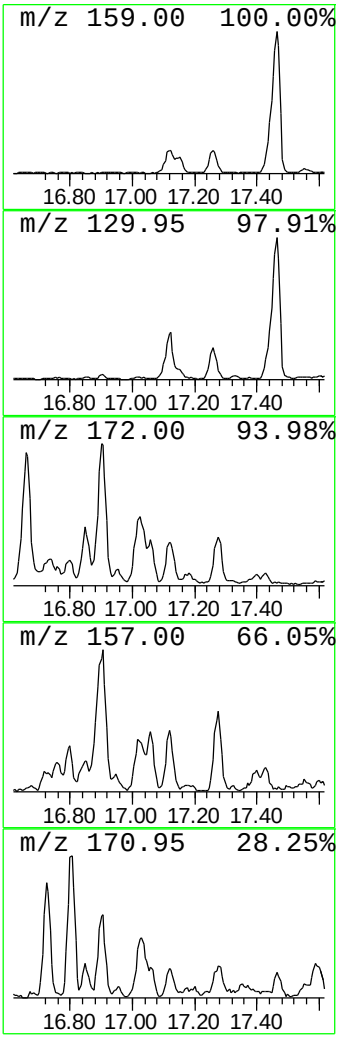
Peak Number 30 2(1H)-Quinolinone, 3-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	8.59 ng/ul	438339	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	95
2	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	86
3	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	50
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	46
5	1-Naphthalenol, 6-amino-	159	C10H9NO	023894-12-4	46





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Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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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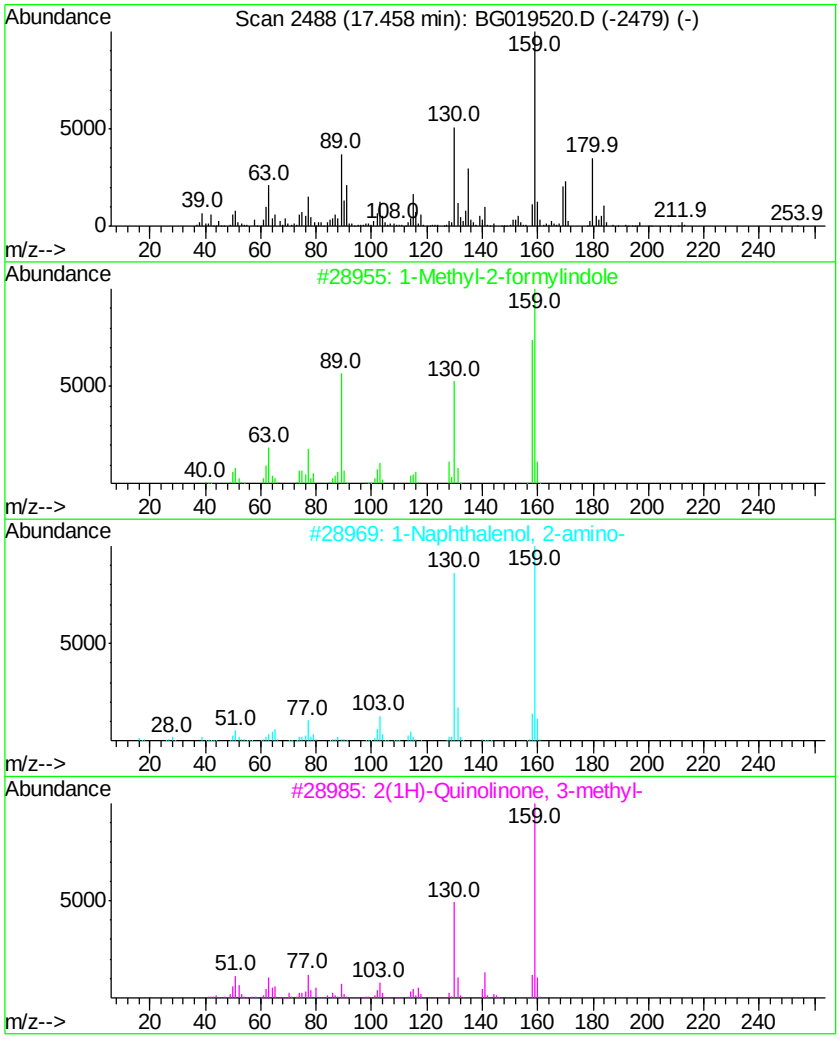
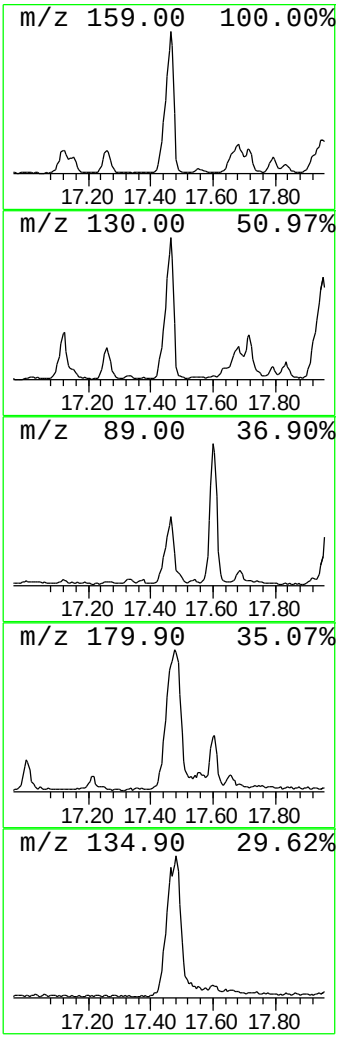
Peak Number 34 1-Methyl-2-formylindole Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	50.84 ng/ul	2593380	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-formylindole	159	C10H9NO	027421-51-8	53
2	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	52
3	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	50
4	8-Quinolinol, 2-methyl-	159	C10H9NO	000826-81-3	50
5	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	46





Tentatively Identified Compound (LSC) summary

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Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY53

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
Benzene, 1-ethyl-...	7.25	28.4	ng/ul	569532	1	8.18	400918	20.0
Benzene, 1,2,3-tr...	7.39	53.2	ng/ul	1066530	1	8.18	400918	20.0
Indane	8.57	481.3	ng/ul	9647190	1	8.18	400918	20.0
Indene	8.73	442.4	ng/ul	8868700	1	8.18	400918	20.0
Benzene, 2-ethyl-...	9.29	23.3	ng/ul	467373	1	8.18	400918	20.0
Benzofuran, 2-met...	9.55	46.8	ng/ul	937509	1	8.18	400918	20.0
2-Benzothiophene #	11.22	2.0	ng/ul	8709790	2	11.06	85231900	20.0
Benzoic acid, 3,5...	13.57	10.2	ng/ul	405125	3	14.81	793629	20.0
Naphthalene, 1-et...	13.85	23.4	ng/ul	928422	3	14.81	793629	20.0
Naphthalene, 2,6-...	13.97	29.6	ng/ul	1173500	3	14.81	793629	20.0
Naphthalene, 2,3-...	14.37	18.4	ng/ul	728892	3	14.81	793629	20.0
2-Naphthalenecarb...	14.94	18.1	ng/ul	717868	3	14.81	793629	20.0
2-Naphthalenol	15.08	38.8	ng/ul	1537530	3	14.81	793629	20.0
Benzene, (2-bromo...	15.33	43.7	ng/ul	1732940	3	14.81	793629	20.0
1-Naphthalenol, 2...	15.98	75.8	ng/ul	3007480	3	14.81	793629	20.0
Benzaldehyde, 2,4...	16.07	34.9	ng/ul	1385490	3	14.81	793629	20.0
1-Naphthalenecarb...	16.54	43.9	ng/ul	2237280	4	17.55	1020250	20.0
2-Naphthalenecarb...	16.66	19.4	ng/ul	988324	4	17.55	1020250	20.0
p-Hydroxybiphenyl	16.72	16.8	ng/ul	857540	4	17.55	1020250	20.0
1-Naphthol, 6,7-d...	16.90	14.0	ng/ul	712134	4	17.55	1020250	20.0
1-Naphthol, 5,7-d...	17.02	9.2	ng/ul	468348	4	17.55	1020250	20.0
2(1H)-Quinolinone...	17.12	8.6	ng/ul	438339	4	17.55	1020250	20.0
1-Methyl-2-formyl...	17.46	50.8	ng/ul	2593380	4	17.55	1020250	20.0