LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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-BG121415.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	3.116	40	47	56	rBV	46792	98640	2.18%	0.512%
2	3.193	56	60	67	rVB	28314	45100	1.00%	0.234%
3	5.713	482	489	497	rVB2	4350	9079	0.20%	0.047%
4	7.241	743	749	756	rBV2	22126	37274	0.82%	0.194%
5	7.411	772	778	784	rBV	62458	100321	2.22%	0.521%
6	7.617	807	813	821	rVB	67456	114670	2.53%	0.595%
7	7.734	828	833	839	rVB	8513	13174	0.29%	0.068%
8	8.093	887	894	900	rBV	60106	99219	2.19%	0.515%
9	8.463	950	957	963	rBB4	8327	15872	0.35%	0.082%
10	8.633	980	986	995	rBB	35726	57925	1.28%	0.301%
11	8.792	1007	1013	1022	rVB	62902	103770	2.29%	0.539%
12	9.256	1086	1092	1101	rVB	77760	141369	3.12%	0.734%
13	9.985	1208	1216	1223	rBB	71136	122250	2.70%	0.635%
14	10.149	1239	1244	1251	rBB2	5281	8444	0.19%	0.044%
15	10.302	1264	1270	1282	rBV3	15738	31644	0.70%	0.164%
16	10.414	1282	1289	1297	rVB2	9632	20658	0.46%	0.107%
17	10.525	1300	1308	1316	rBB2	111944	197712	4.37%	1.027%
18	10.913	1367	1374	1376	rBV	76833	130481	2.88%	0.678%
19	10.978	1376	1385	1396	rVV	2268838	4527792	100.00%	23.513%
20	11.083	1396	1403	1411	rVB	151429	259532	5.73%	1.348%
21	11.741	1509	1515	1522	rBB2	4908	8964	0.20%	0.047%
22	11.818	1523	1528	1535	rBB2	5532	9338	0.21%	0.048%
23	12.006	1553	1560	1564	rBV	4965	8110	0.18%	0.042%
24	12.088	1570	1574	1580	rVB4	4454	7801	0.17%	0.041%
25	12.458	1631	1637	1645	rVB2	9129	16217	0.36%	0.084%
26	12.558	1646	1654	1661	rBV	582210	979174	21.63%	5.085%
27	12.676	1668	1674	1681	rBV	11287	18468	0.41%	0.096%
28	12.775	1681	1691	1701	rVB	260617	437210	9.66%	2.270%
29	13.557	1818	1824	1831	rBV	114882	172001	3.80%	0.893%
30	13.757	1852	1858	1868	rVB3	19058	40139	0.89%	0.208%
31	13.892	1872	1881	1882	rBV3	22817	40270	0.89%	0.209%
32	14.045	1901	1907	1912	rBV2	46545	81074	1.79%	0.421%
33	14.121	1912	1920	1926	rVB	214152	348175	7.69%	1.808%
34	14.280	1940	1947	1951	rBV	18476	29625	0.65%	0.154%

LSC Area Percent Report

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Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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-BG121415.M
Title : SVOA CALIBRATION

35	14.315	1951	1953	1957	rVB2	7470	7865	0.17%	0.041%
36	14.421	1964	1971	1984	rBB2	228700	426551	9.42%	2.215%
37	14.691	2012	2017	2018	rBV	21808	24744	0.55%	0.128%
38	14.726	2018	2023	2028	rVV2	145931	238745	5.27%	1.240%
39	14.791	2028	2034	2040	rVV	641660	1004958	22.20%	5.219%
40	14.849	2040	2044	2050	rVV	78589	119010	2.63%	0.618%
41	14.908	2050	2054	2065	rVV4	24537	43470	0.96%	0.226%
42	15.032	2070	2075	2080	rVV2	11931	18019	0.40%	0.094%
43	15.120	2084	2090	2098	rVV2	350869	567784	12.54%	2.949%
44	15.331	2119	2126	2132	rVB4	4740	7651	0.17%	0.040%
45	15.643	2175	2179	2182	rVV3	9830	13539	0.30%	0.070%
46	15.713	2185	2191	2196	rVV	312025	475939	10.51%	2.472%
47	15.772	2196	2201	2206	rVV	460350	690176	15.24%	3.584%
48	15.825	2206	2210	2214	rVV	91791	135808	3.00%	0.705%
49	15.860	2214	2216	2218	rVV3	11471	14584	0.32%	0.076%
50	15.889	2218	2221	2224	rVV	22682	35378	0.78%	0.184%
51	15.931	2224	2228	2233	rVV2	32226	55065	1.22%	0.286%
52	15.978	2233	2236	2239	rVV3	7664	11898	0.26%	0.062%
53	16.019	2239	2243	2246	rVV	13004	18984	0.42%	0.099%
54	16.060	2246	2250	2255	rVV	27287	39756	0.88%	0.206%
55	16.201	2257	2274	2283	rVV4	34584	79205	1.75%	0.411%
56	16.430	2308	2313	2319	rBV2	57222	87649	1.94%	0.455%
57	16.559	2330	2335	2340	rBV2	16753	24705	0.55%	0.128%
58	16.771	2360	2371	2375	rBV4	18145	46110	1.02%	0.239%
59	16.818	2375	2379	2384	rBV3	8772	12953	0.29%	0.067%
60	16.918	2389	2396	2403	rVB3	10220	16366	0.36%	0.085%
61	17.082	2420	2424	2426	rVV2	12241	16085	0.36%	0.084%
62	17.117	2426	2430	2438	rVB	52028	82231	1.82%	0.427%
63	17.288	2453	2459	2464	rVB	73698	104327	2.30%	0.542%
64	17.470	2483	2490	2493	rBV	205580	322441	7.12%	1.674%
65	17.517	2493	2498	2502	rVB	1005804	1498536	33.10%	7.782%
66	17.570	2502	2507	2511	rBV	331362	460119	10.16%	2.389%
67	17.658	2518	2522	2527	rVB	7953	11608	0.26%	0.060%
68	17.869	2552	2558	2565	rVB	199813	293668	6.49%	1.525%
69	17.987	2569	2578	2581	rBV5	9488	15967	0.35%	0.083%
70	18.122	2595	2601	2606	rBV3	43183	56996	1.26%	0.296%
71	18.340	2634	2638	2642	rVV	30866	45444	1.00%	0.236%

LSC Area Percent Report

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Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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-BG121415.M
Title : SVOA CALIBRATION

72	18.387	2642	2646	2656	rVV4	64930	108646	2.40%	0.564%
73	18.463	2656	2659	2666	rVV5	7045	12902	0.28%	0.067%
74	18.539	2666	2672	2682	rVV3	86032	160161	3.54%	0.832%
75	18.639	2682	2689	2692	rVV2	18086	29325	0.65%	0.152%
76	18.680	2692	2696	2700	rVV	29263	39853	0.88%	0.207%
77	18.774	2708	2712	2717	rVV3	22450	34725	0.77%	0.180%
78	18.833	2717	2722	2725	rVV2	18881	25811	0.57%	0.134%
79	18.880	2725	2730	2734	rVV	46576	69341	1.53%	0.360%
80	19.244	2785	2792	2796	rBV7	4429	12948	0.29%	0.067%
81	19.356	2800	2811	2815	rBV9	4698	13842	0.31%	0.072%
82	19.391	2815	2817	2822	rVB3	7954	10306	0.23%	0.054%
83	19.515	2830	2838	2844	rVB	330262	461049	10.18%	2.394%
84	19.708	2865	2871	2874	rBV3	10305	15876	0.35%	0.082%
85	19.761	2874	2880	2887	rVV3	11813	23307	0.51%	0.121%
86	19.849	2887	2895	2898	rVV	515412	777813	17.18%	4.039%
87	19.879	2898	2900	2907	rVV	197232	228710	5.05%	1.188%
88	19.932	2907	2909	2914	rVB3	9270	12058	0.27%	0.063%
89	20.055	2924	2930	2938	rVB2	5177	11408	0.25%	0.059%
90	20.208	2949	2956	2959	rBV3	4421	8954	0.20%	0.046%
91	20.249	2959	2963	2968	rVB	42221	56947	1.26%	0.296%
92	20.367	2979	2983	2988	rVB	15236	20003	0.44%	0.104%
93	20.466	2993	3000	3005	rBV2	17601	26216	0.58%	0.136%
94	21.312	3139	3144	3149	rBV6	5750	10476	0.23%	0.054%
95	21.359	3149	3152	3156	rVB3	12381	16149	0.36%	0.084%
96	21.741	3208	3217	3223	rBV	294541	517908	11.44%	2.690%
97	21.788	3223	3225	3235	rVB2	8343	12711	0.28%	0.066%
98	22.159	3283	3288	3294	rVB	14308	24657	0.54%	0.128%
99	24.791	3722	3736	3750	rBV	228359	636369	14.05%	3.305%
100	25.014	3762	3774	3786	rBV2	149362	422224	9.33%	2.193%

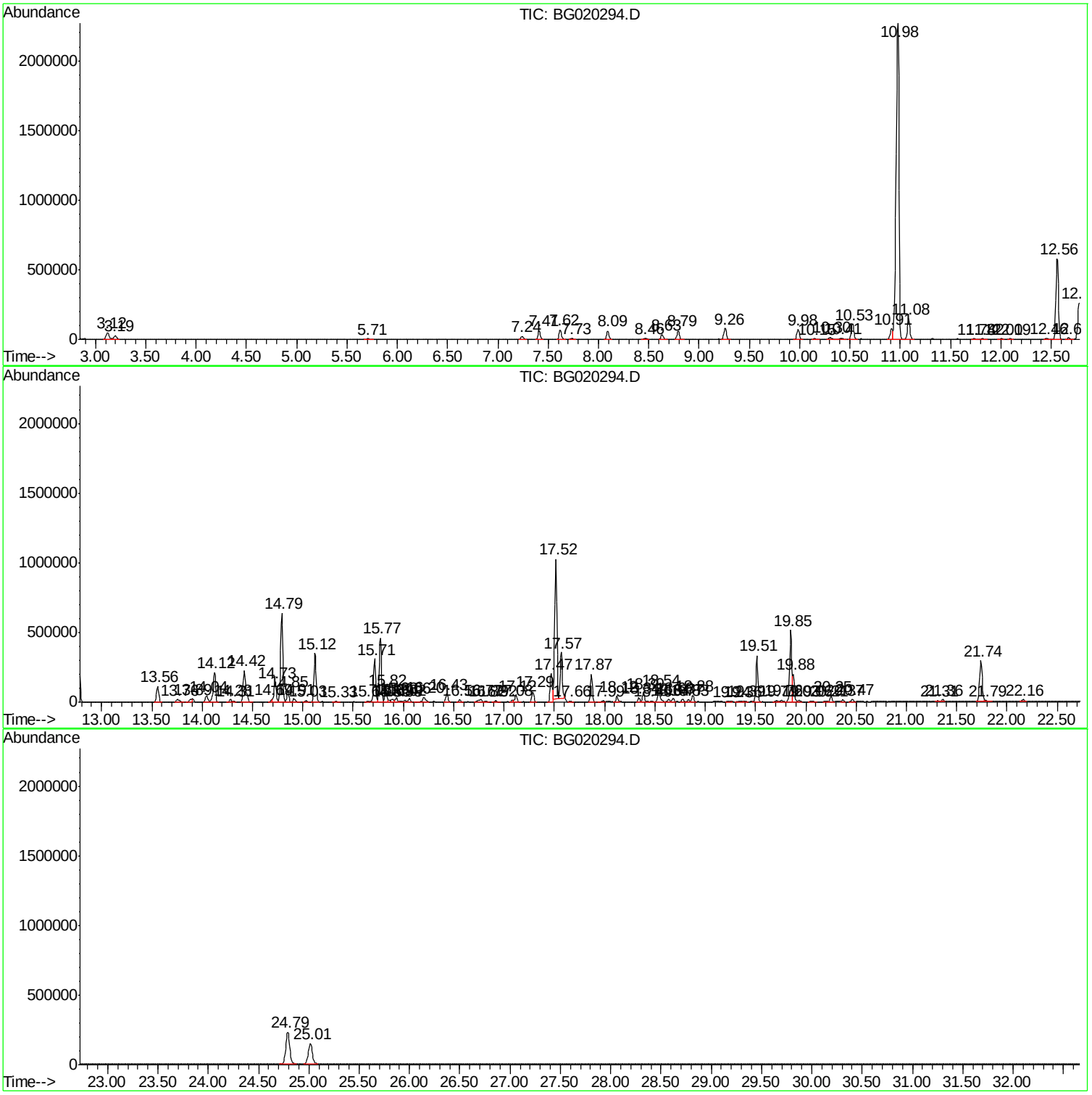
Sum of corrected areas: 19256521

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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\BG121915\
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

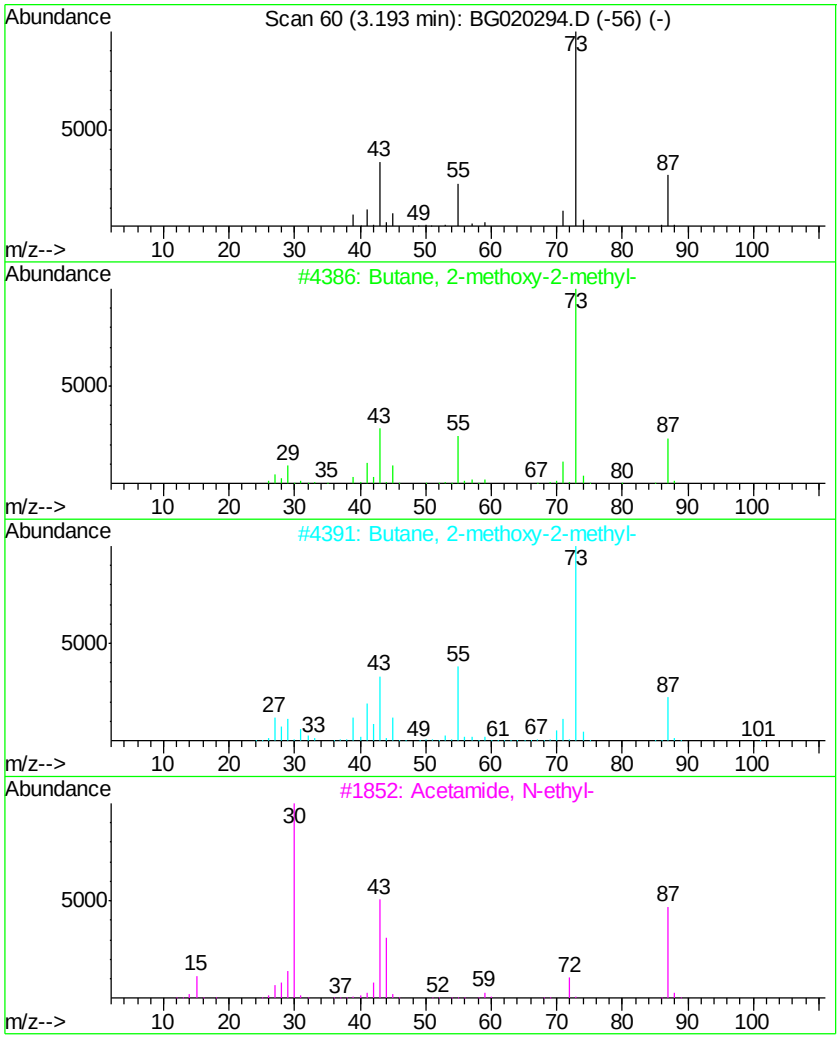
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

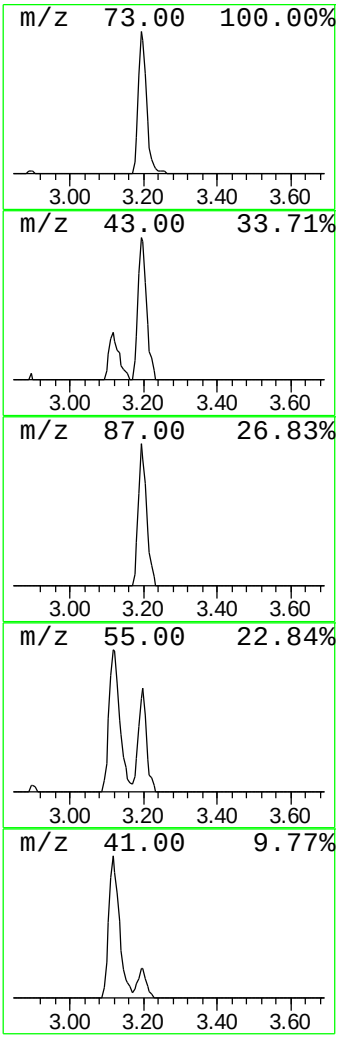
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	9.09 ng/ul	45100	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	36
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

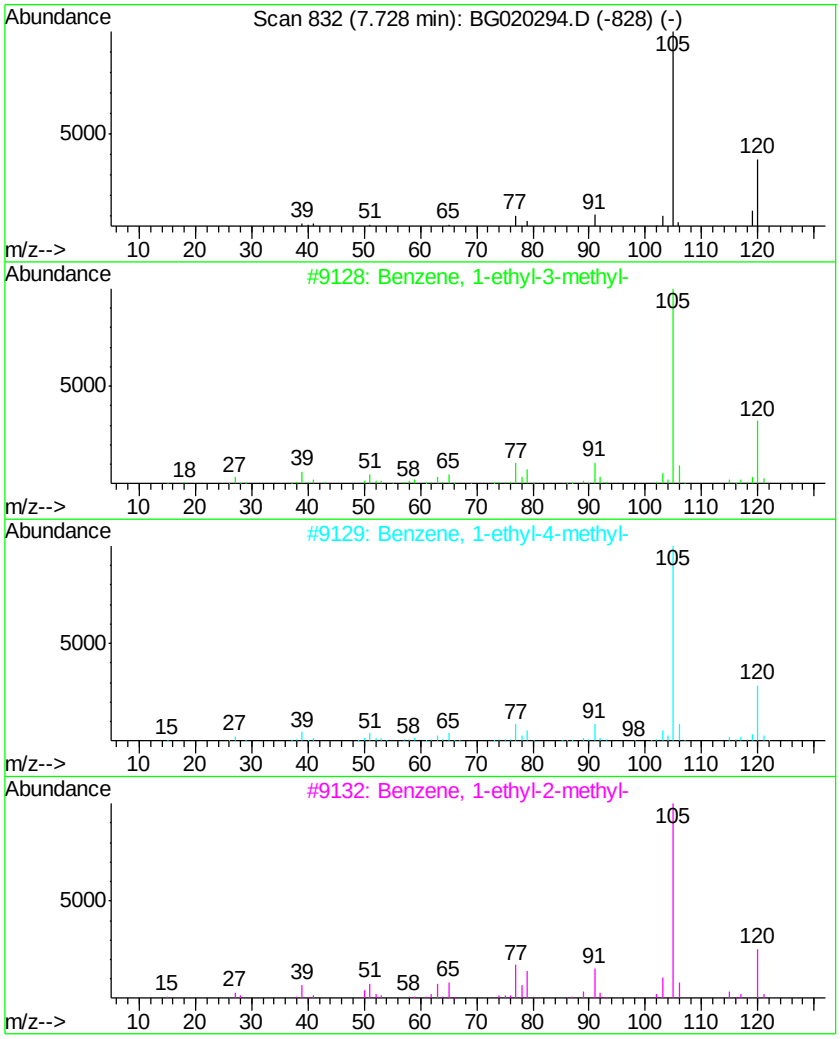
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

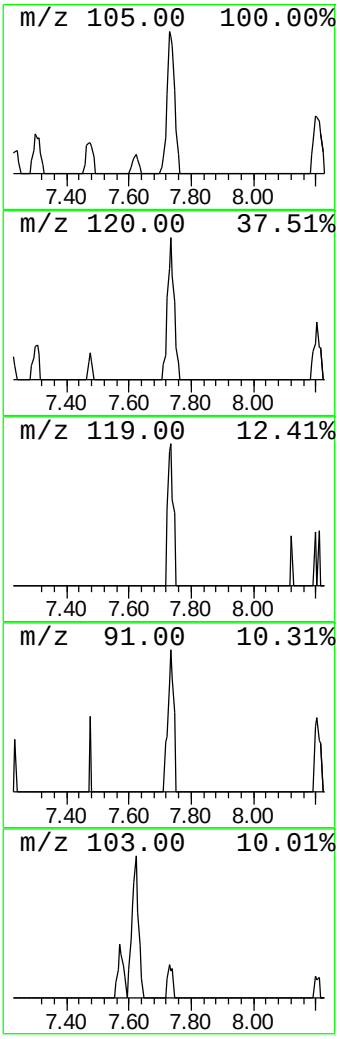
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	2.66 ng/ul	13174	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020294.D
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Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

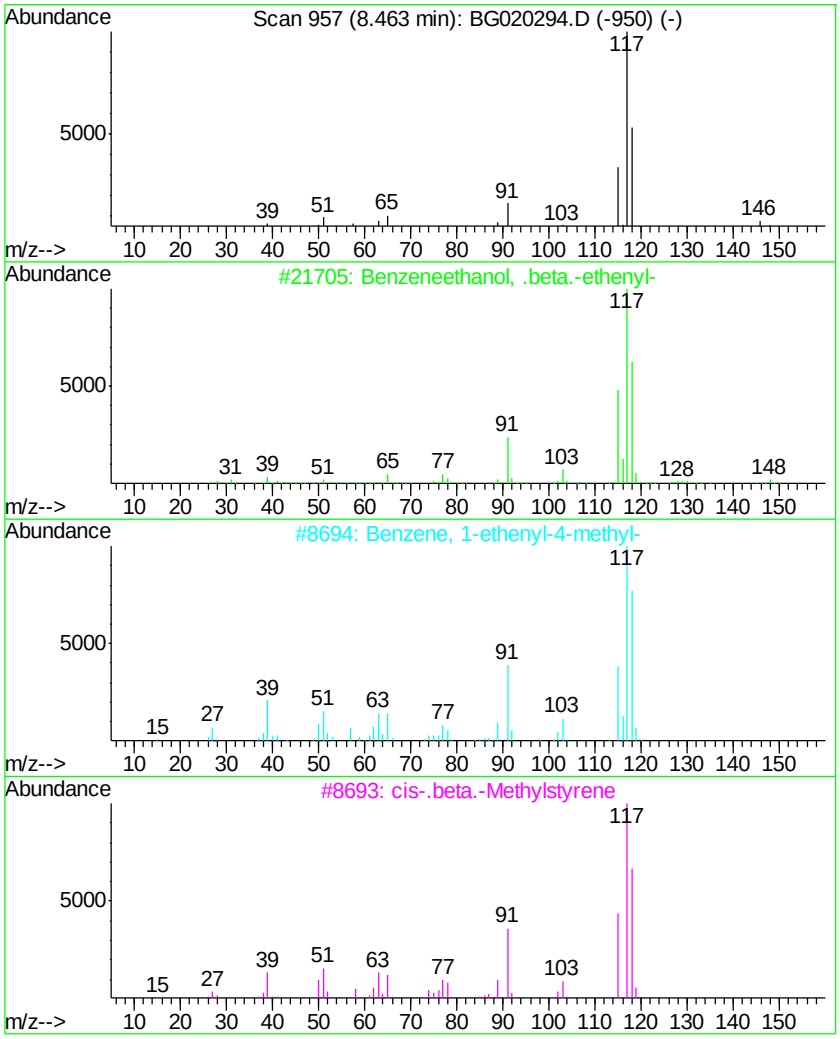
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

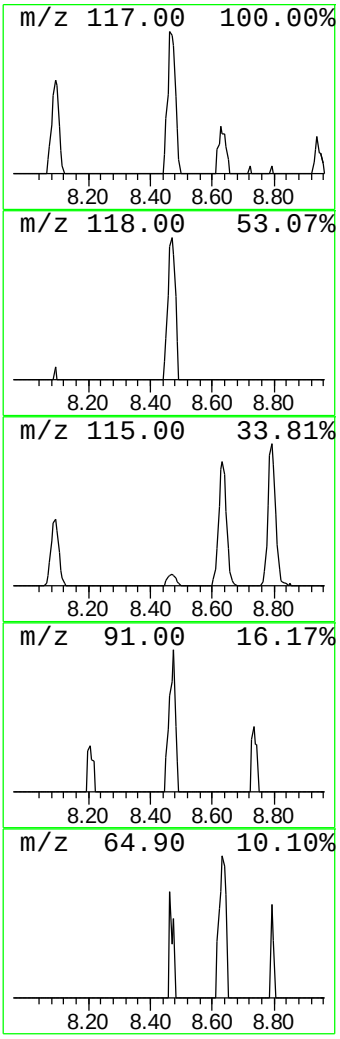
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzeneethanol, .beta.-ethe... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	3.20 ng/ul	15872	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
3	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

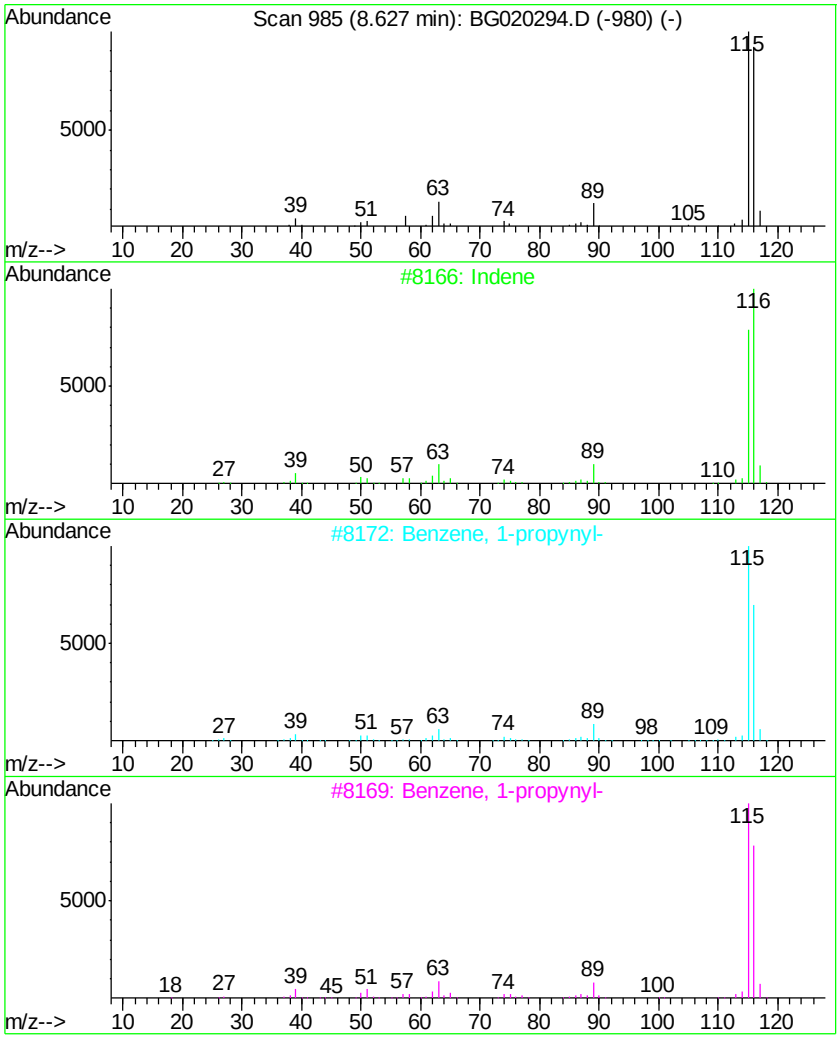
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

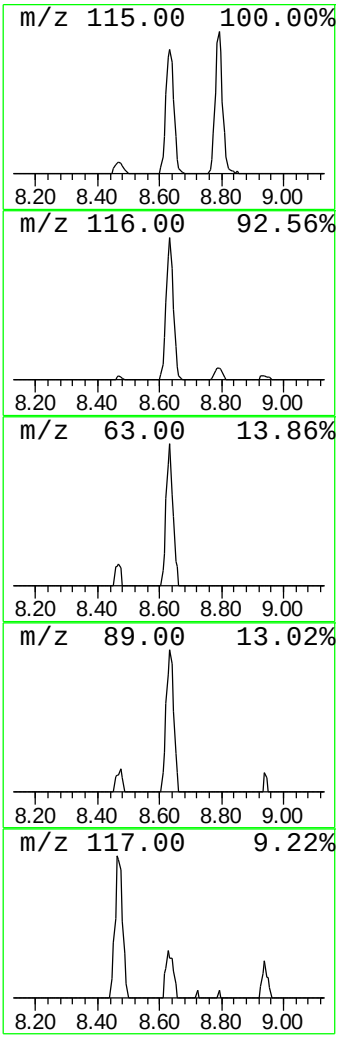
****

Peak Number 5 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	11.68 ng/ul	57925	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Indene	116	C9H8	000095-13-6	90





Library Search Compound Report

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Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

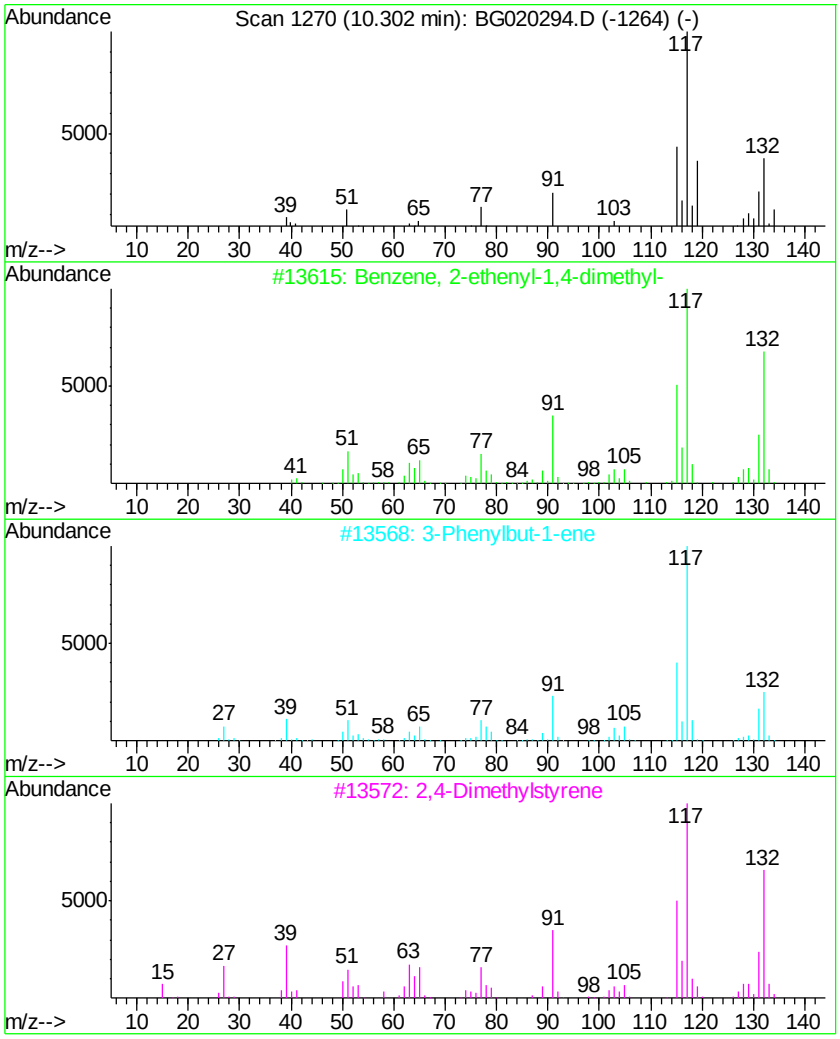
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

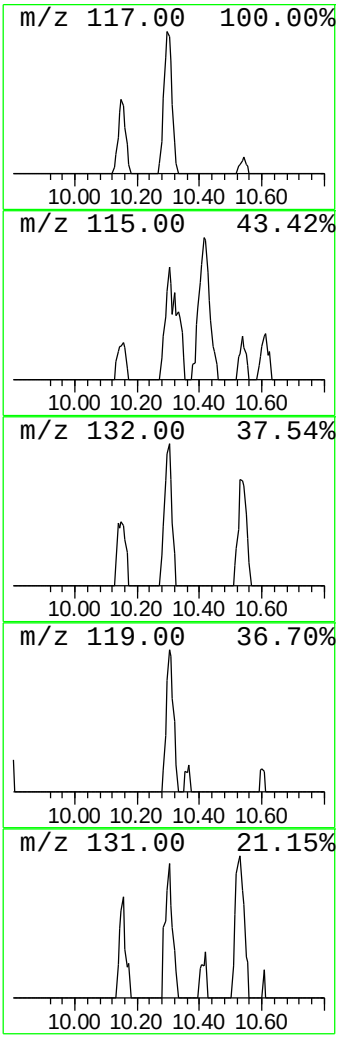
****

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	4.85 ng/ul	31644	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	81
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	81
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020294.D
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Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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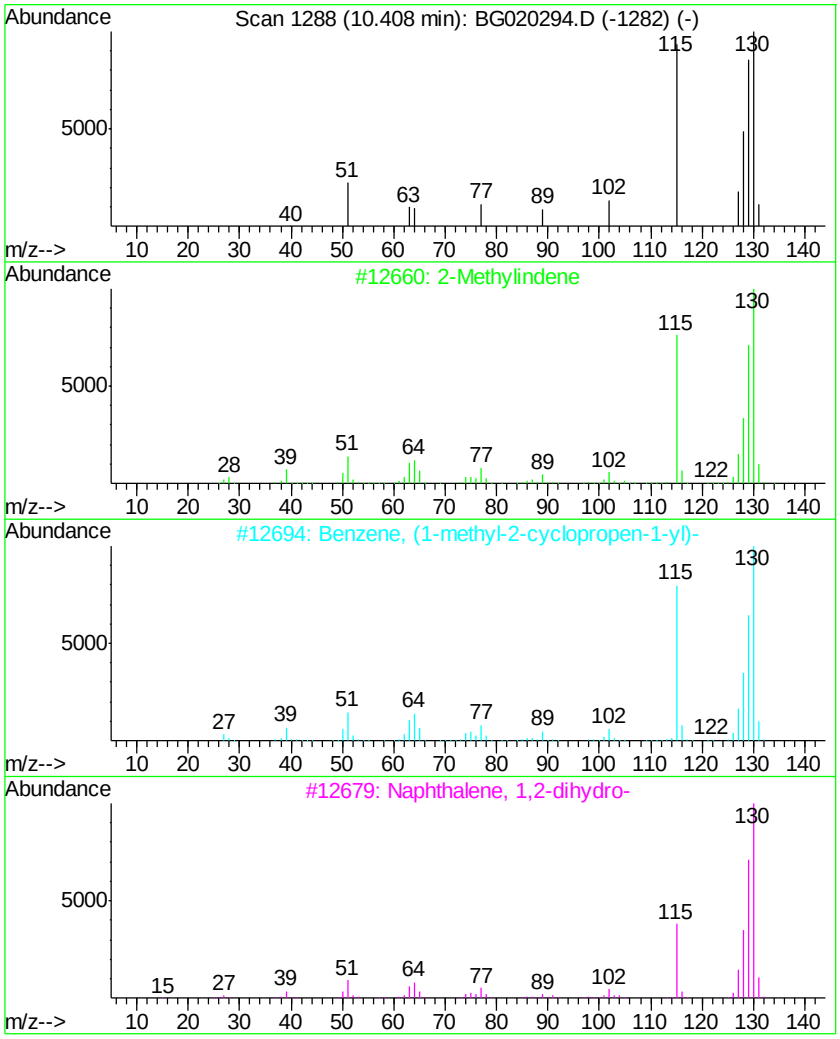
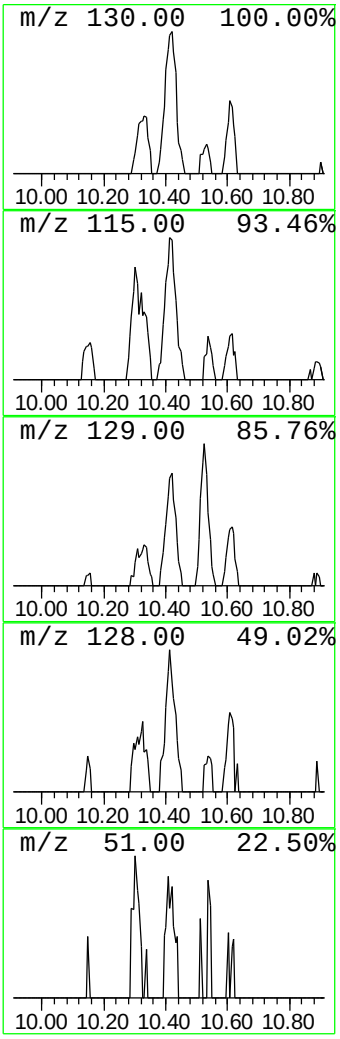
Peak Number 7 2-Methylindene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	3.17 ng/ul	20658	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	87
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	87
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	87
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	87
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	87





Library Search Compound Report

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Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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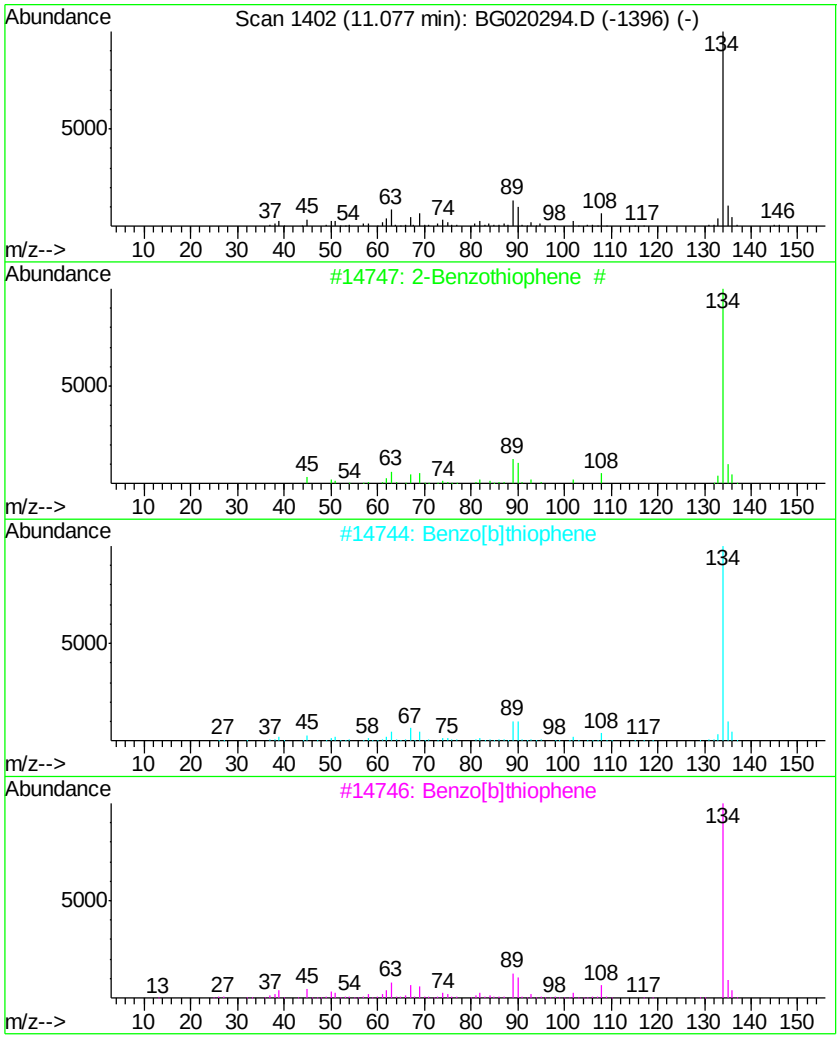
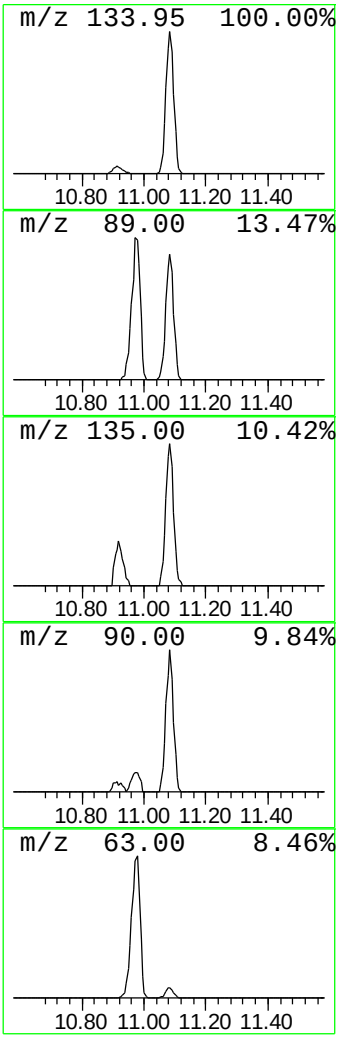
Peak Number 8 2-Benzothiophene # Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	39.78 ng/ul	259532	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94





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Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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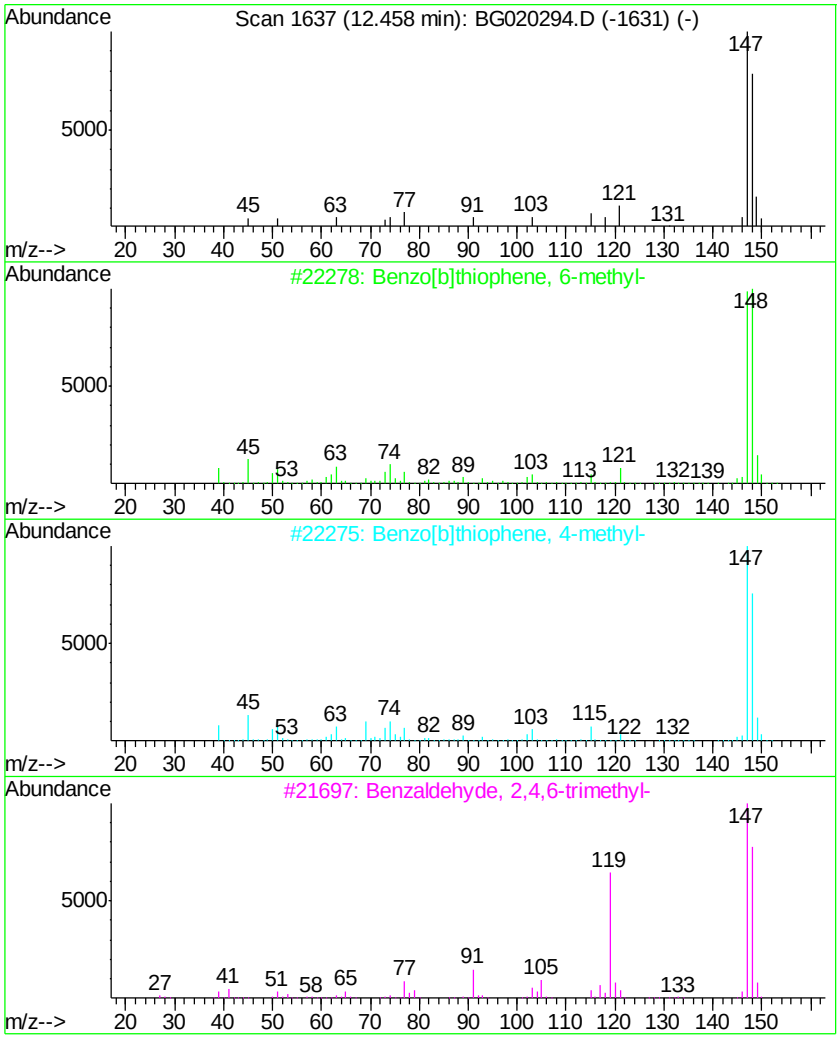
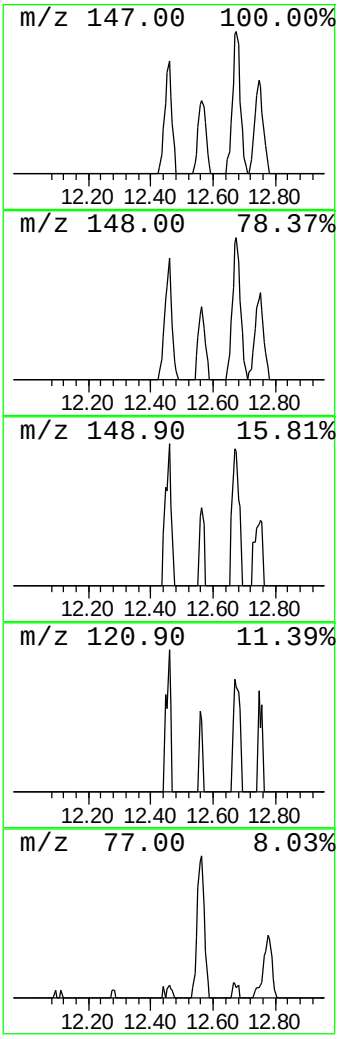
Peak Number 9 Benzo[b]thiophene, 6-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.49 ng/ul	16217	Naphthalene-d8	10.91

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	86
3	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	80
4	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	80
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	80





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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 Naphthalene, 1-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.36 ng/ul	40139	Acenaphthene-d10	14.73

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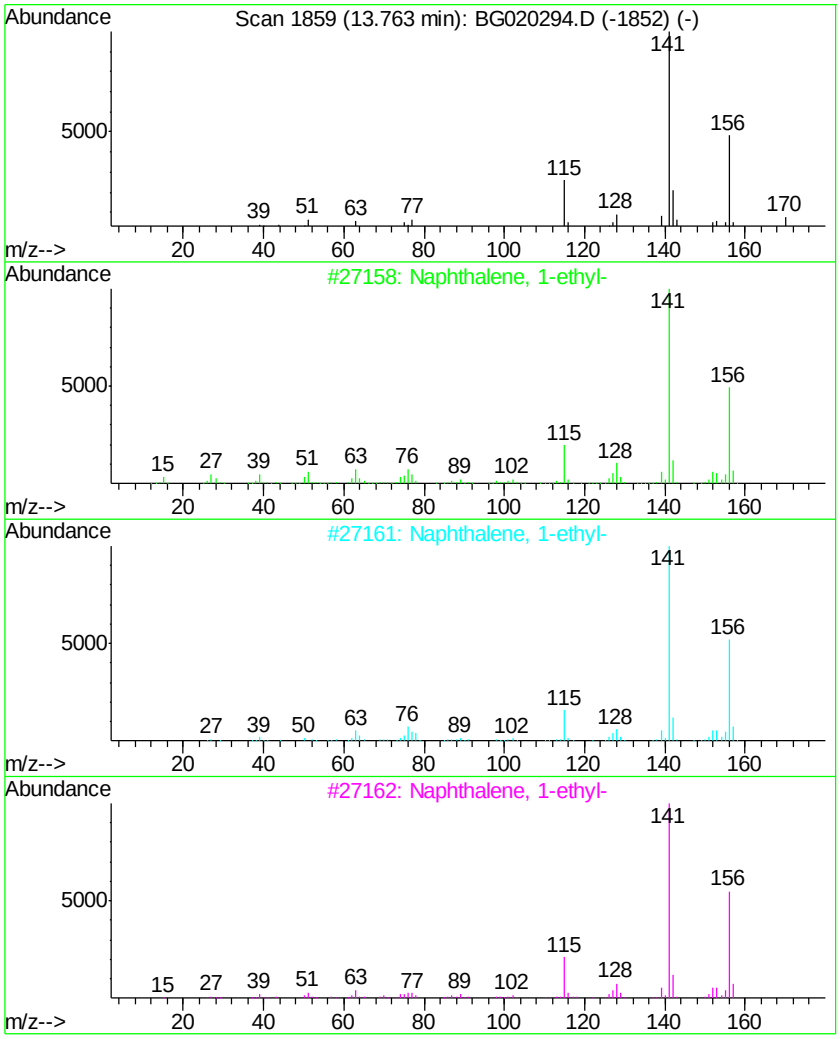

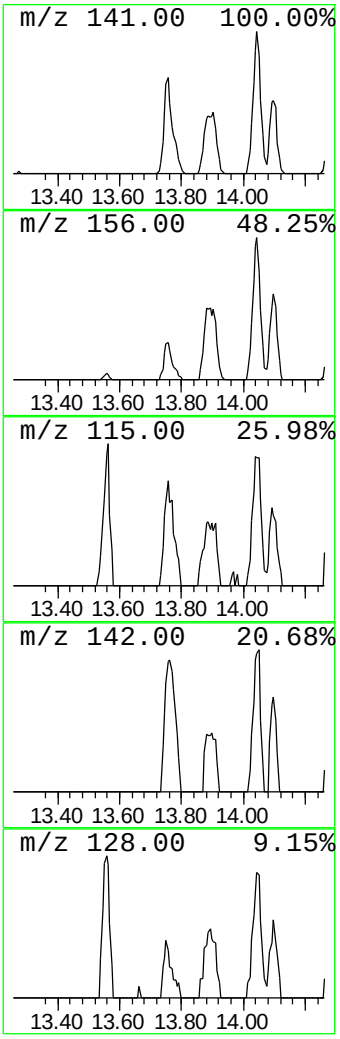

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Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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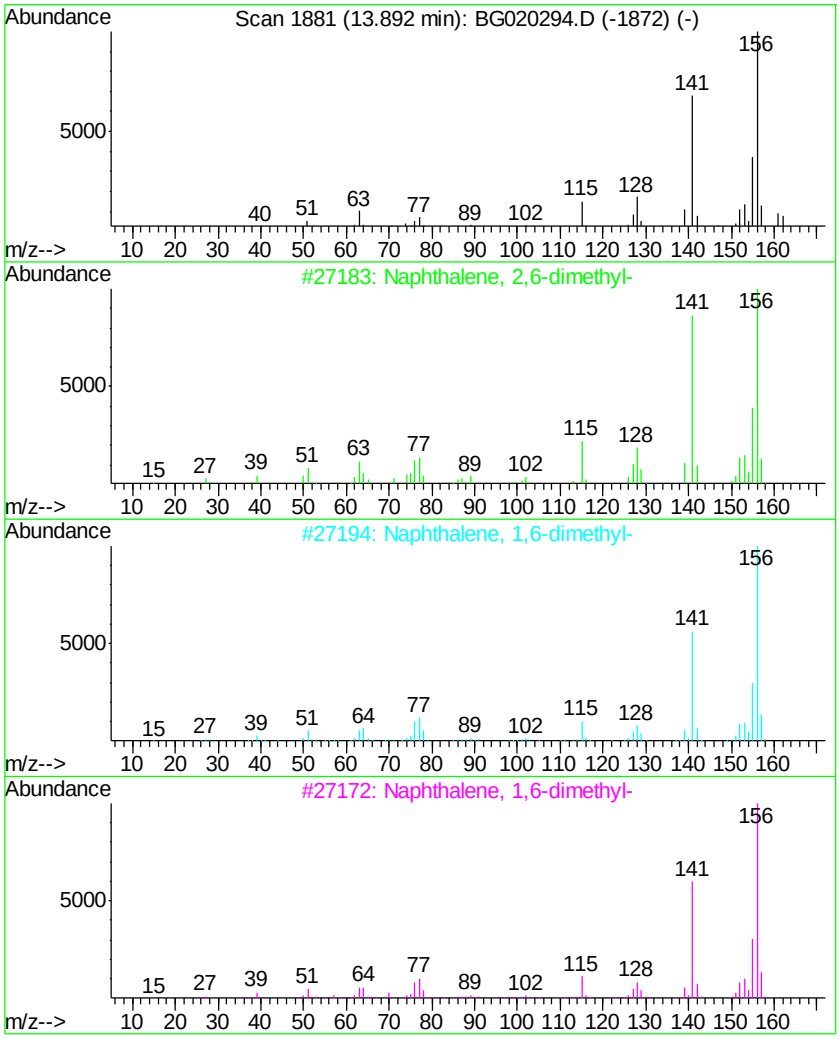
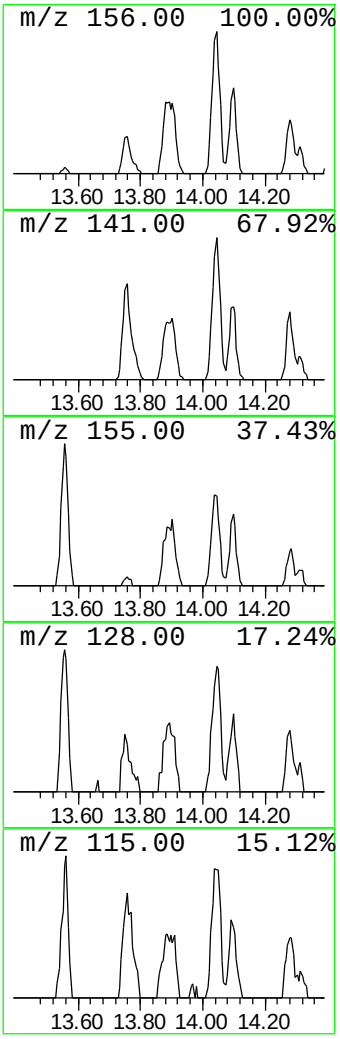
Peak Number 12 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.37 ng/ul	40270	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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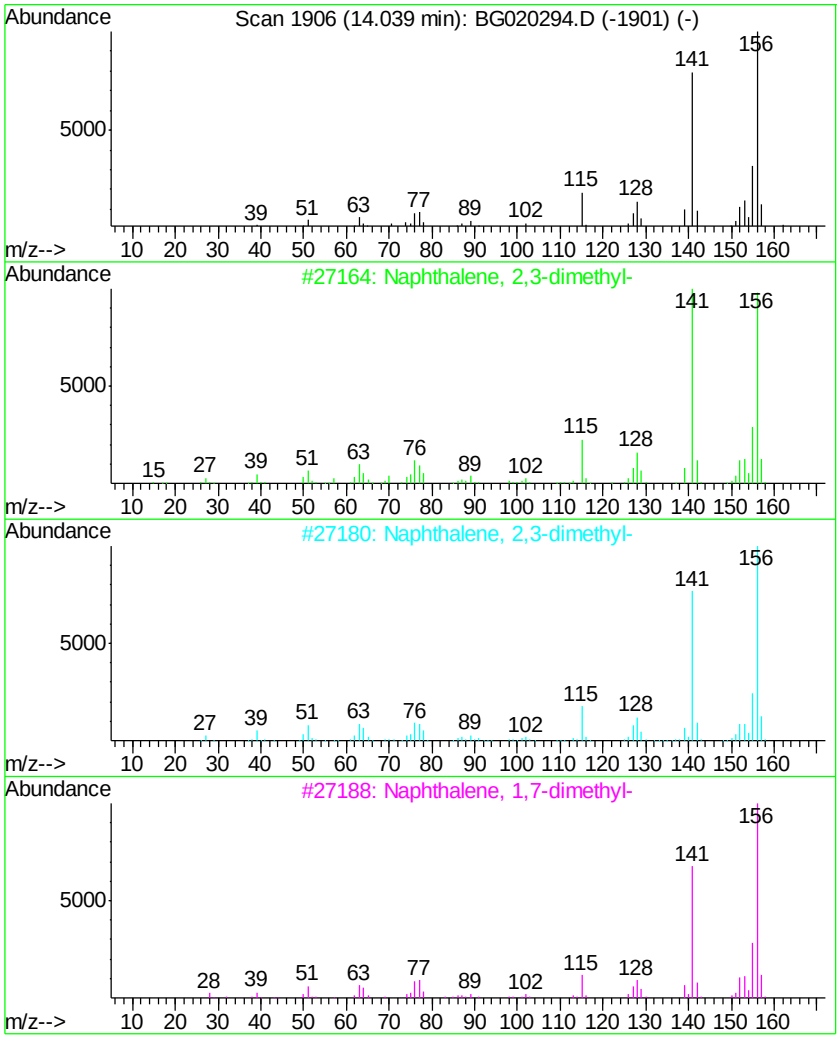
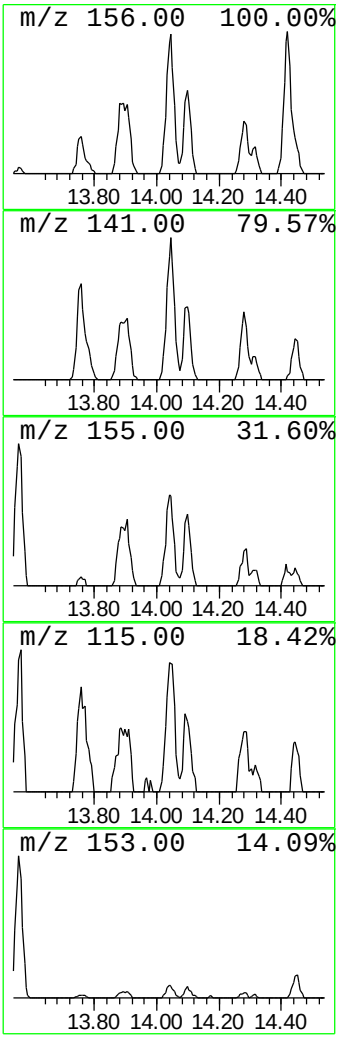
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	6.79 ng/ul	81074	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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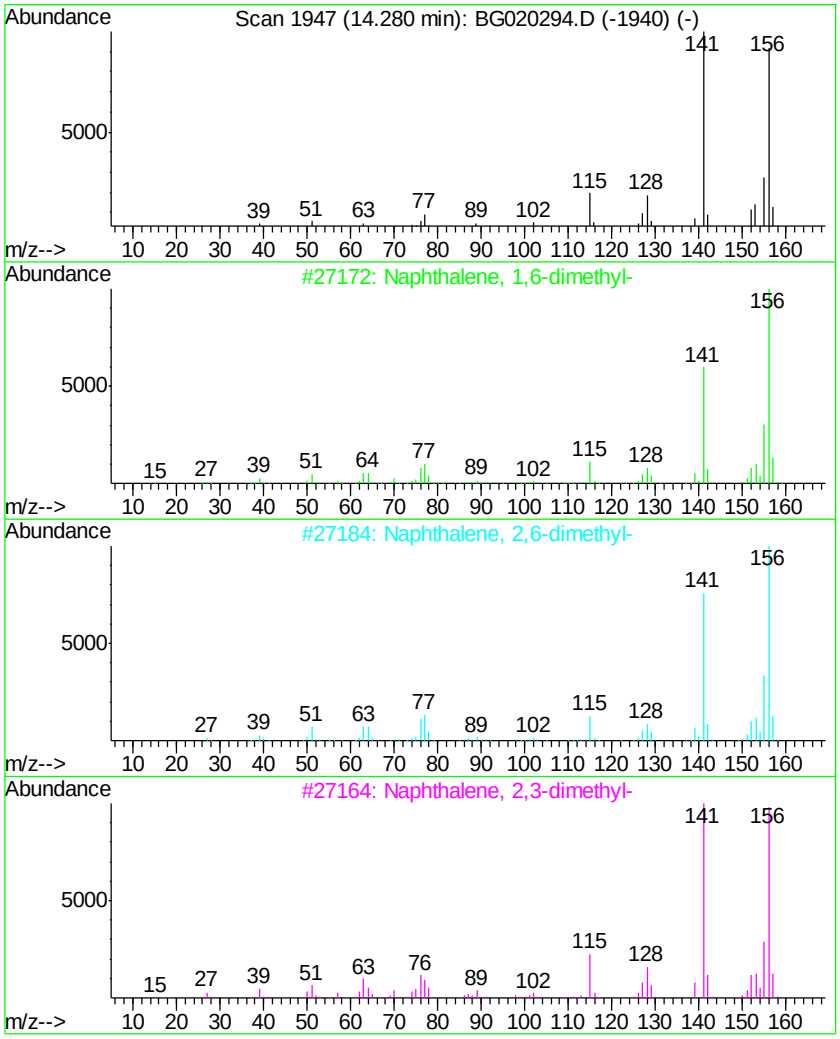
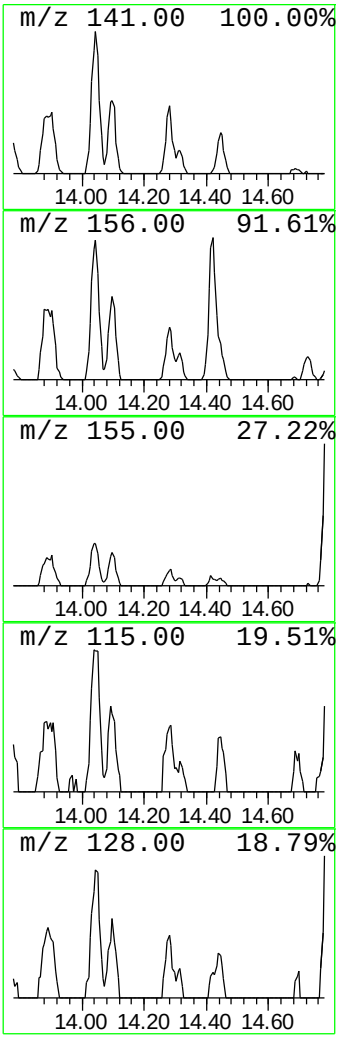
Peak Number 14 Naphthalene, 1,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.48 ng/ul	29625	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91





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Misc :
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Instrument : BNA_G
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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 2-Naphthalenecarbonitrile Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	9.97 ng/ul	119010	Acenaphthene-d10	14.73

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	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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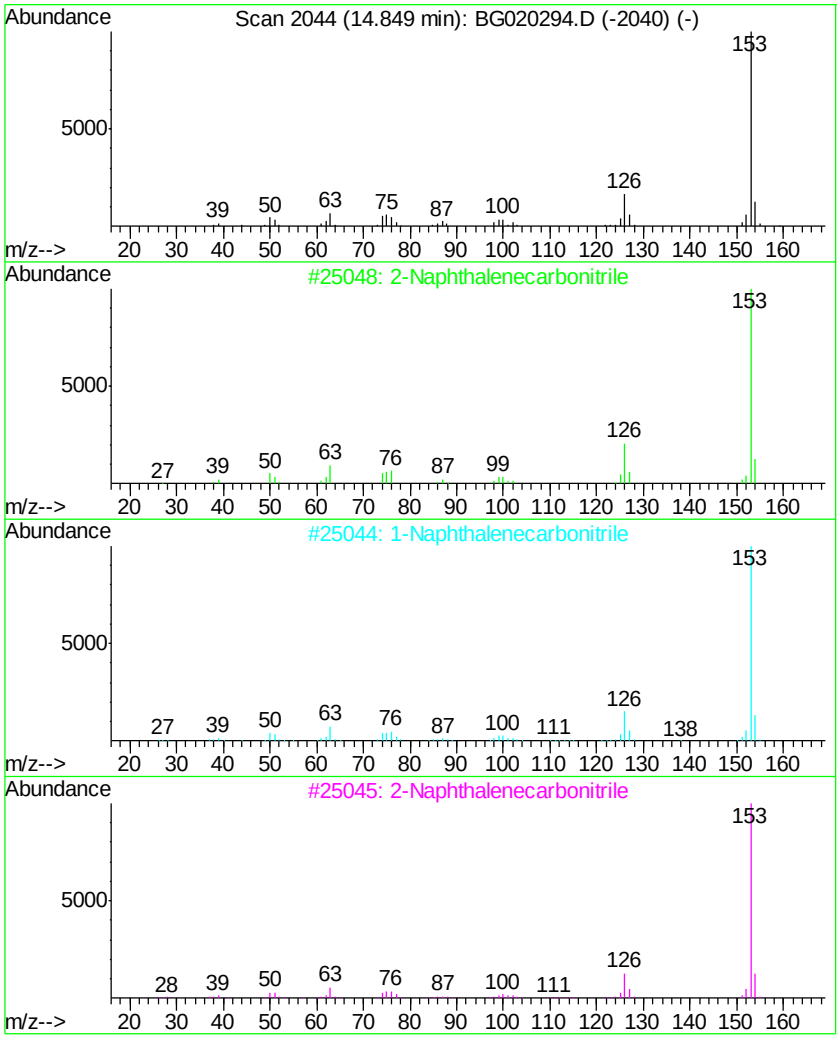

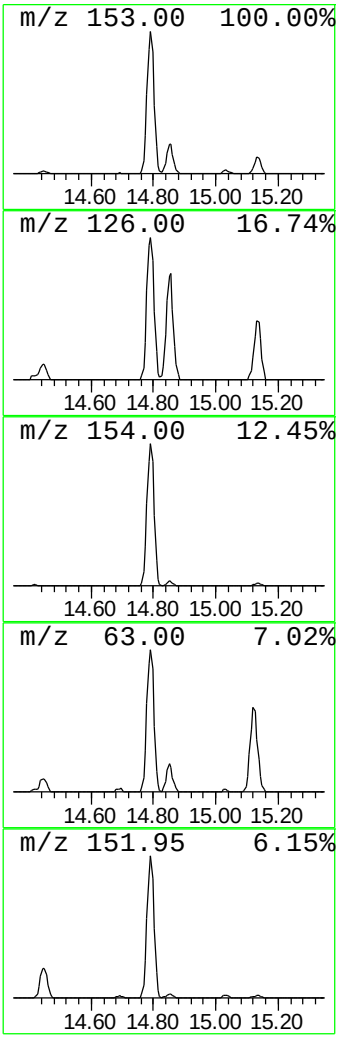

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Quant Title : SVOA CALIBRATION

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

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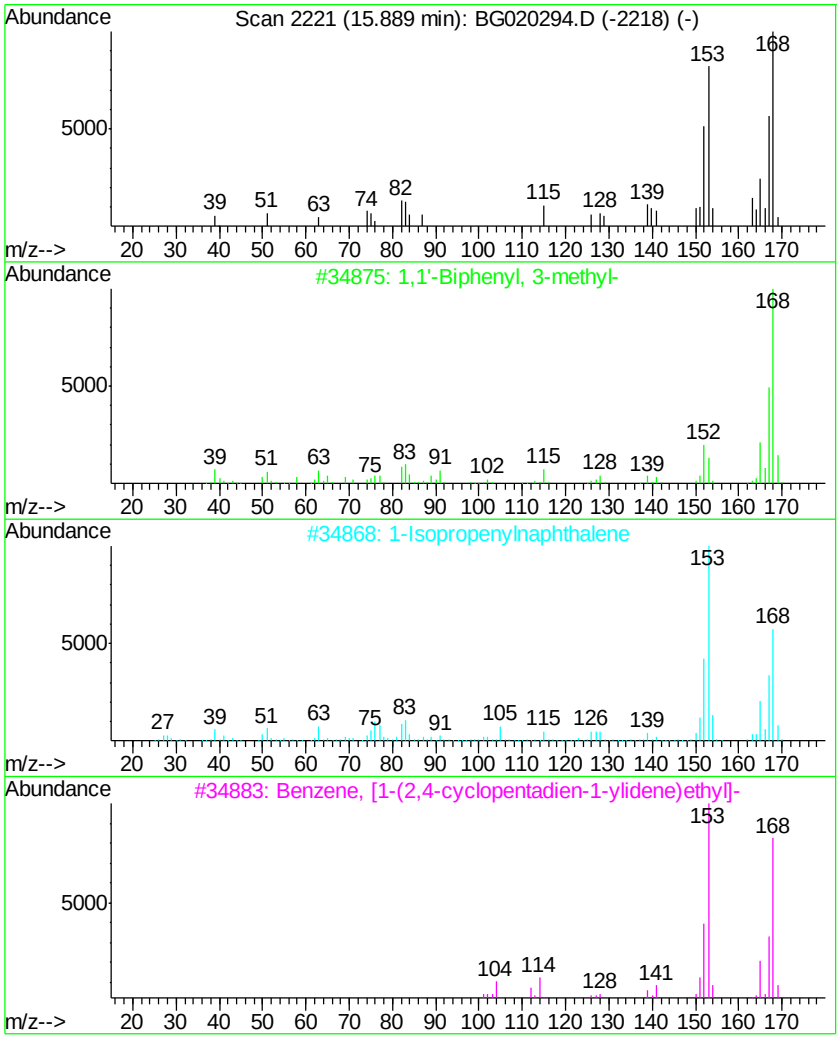
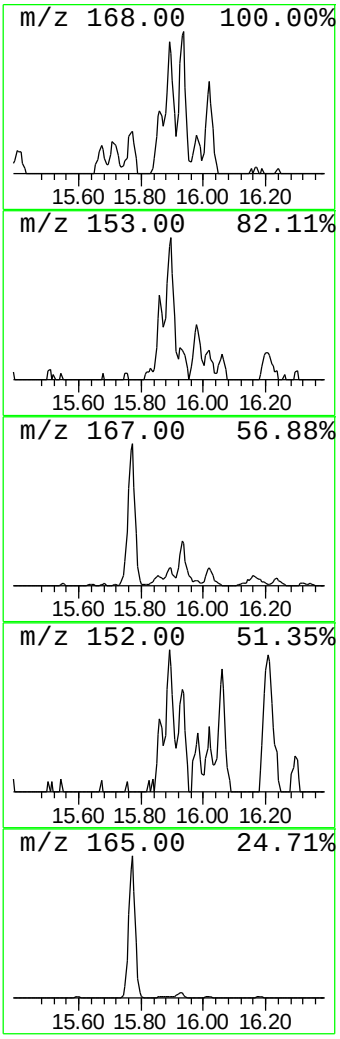
Peak Number 16 1,1'-Biphenyl, 3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.96 ng/ul	35378	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	59
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	53
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47





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Quant Title : SVOA CALIBRATION

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

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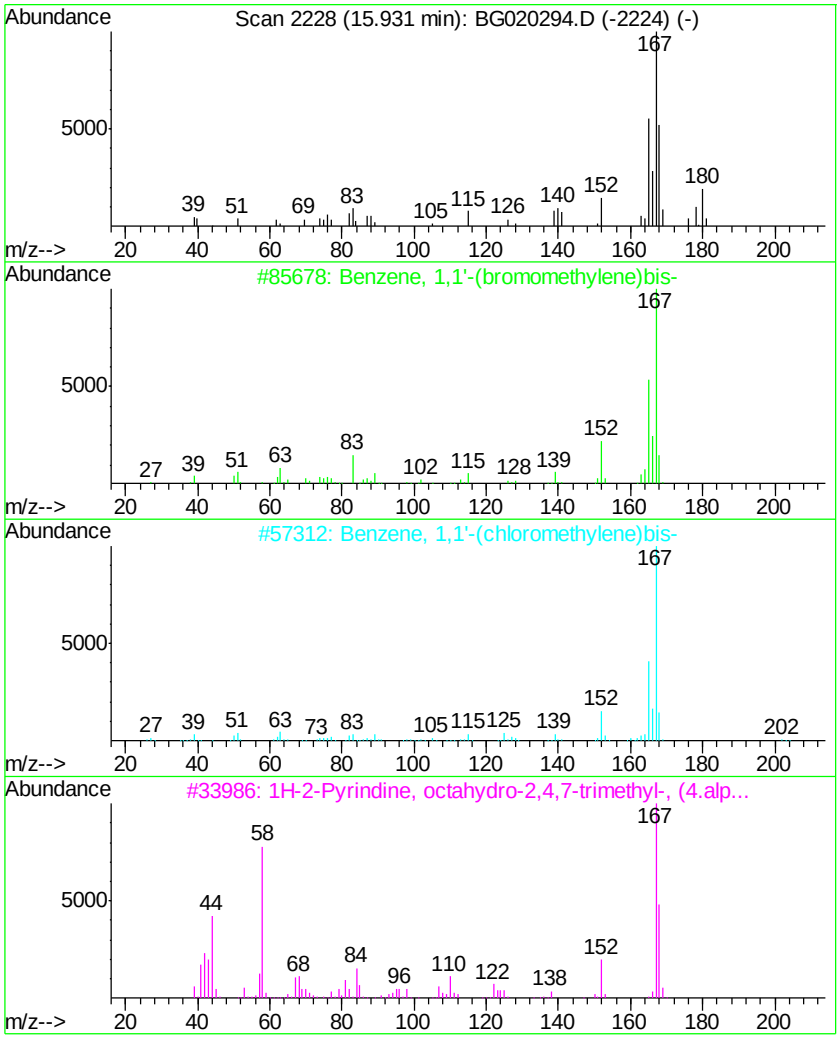
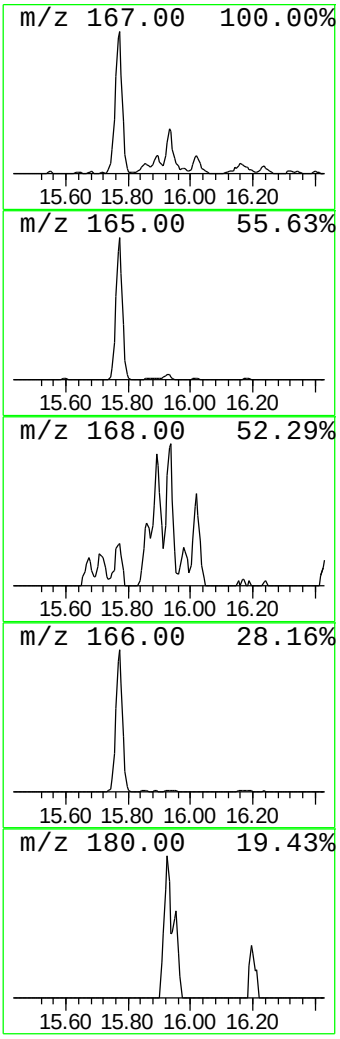
Peak Number 17 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	4.61 ng/ul	55065	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47
2	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	47
3	1H-2-Pyrindine, octahydro-2,4,7-...	167	C11H21N	024282-31-3	43
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	43
5	Benzene, 1,1',1''-(1-ethanyl-2-y...	258	C20H18	001520-42-9	35





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Quant Title : SVOA CALIBRATION

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

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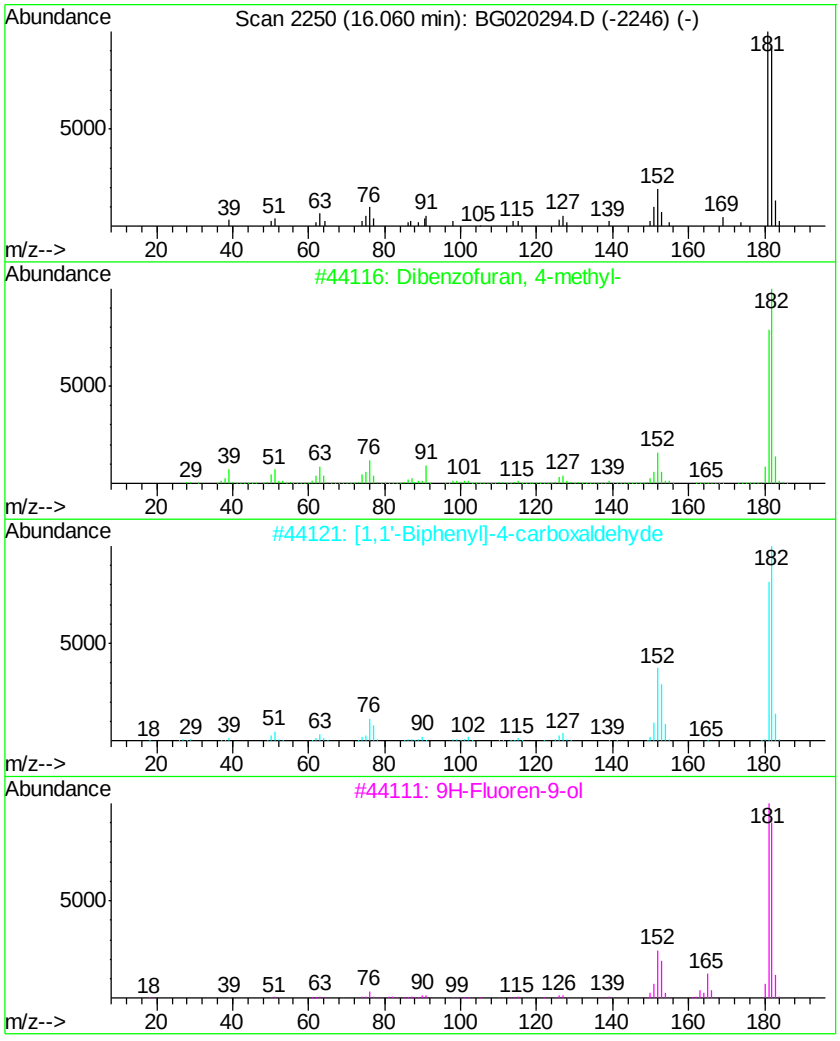
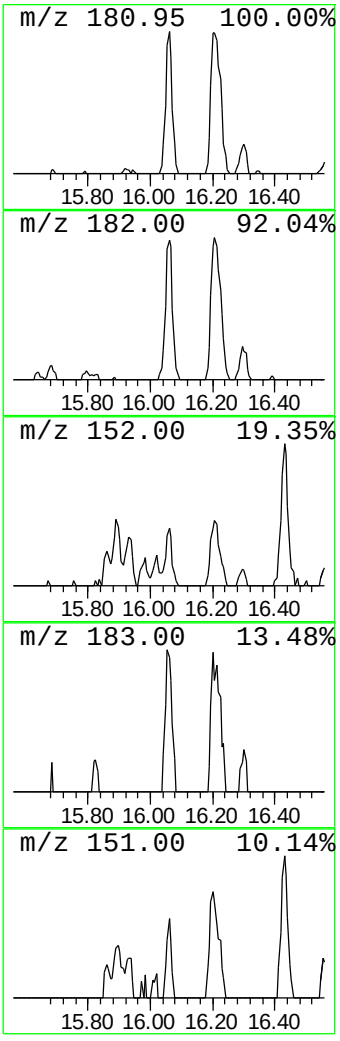
Peak Number 18 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	3.33 ng/ul	39756	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Quant Title : SVOA CALIBRATION

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

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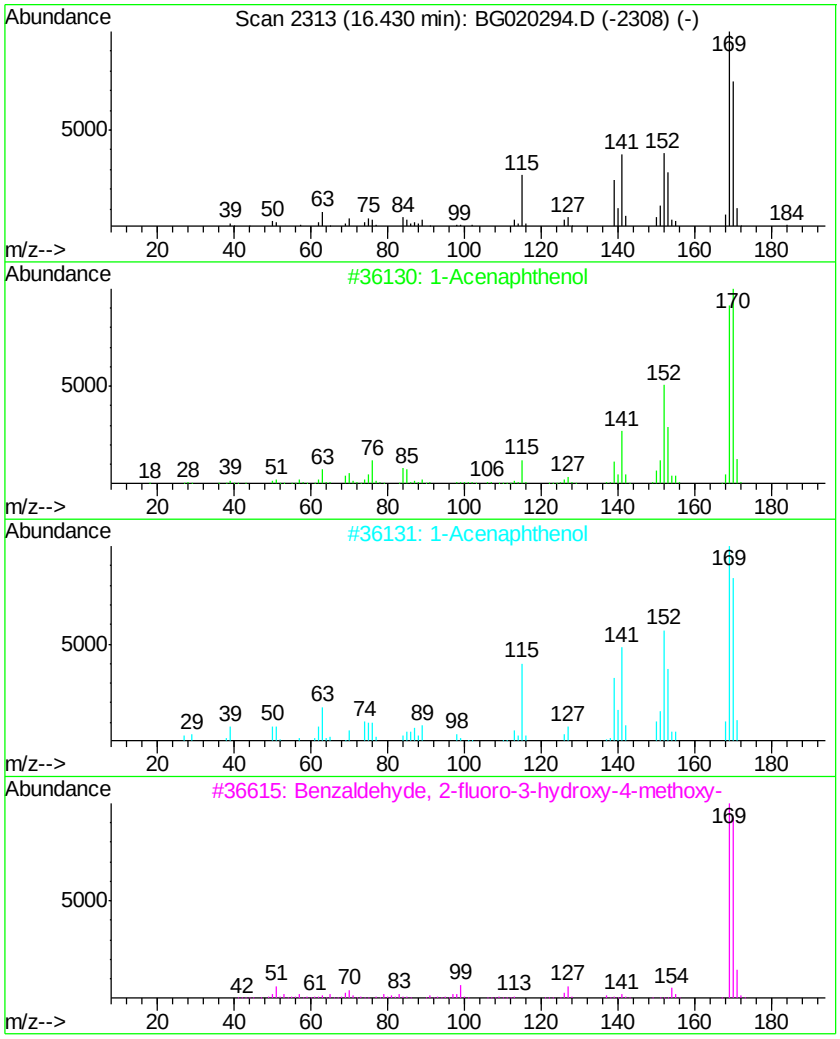
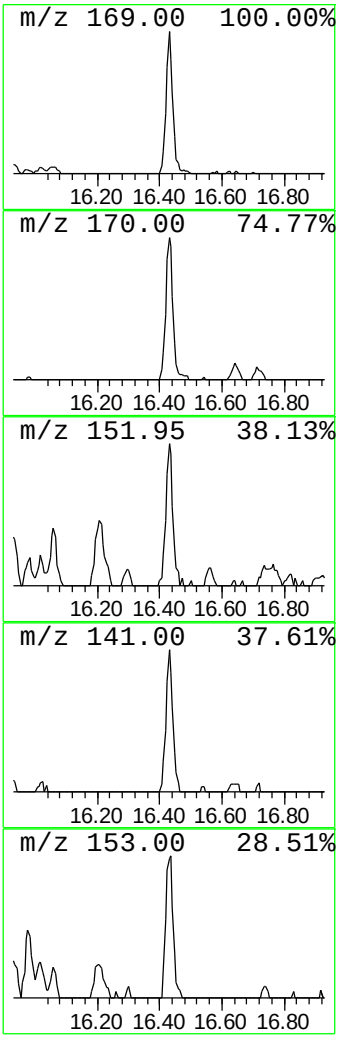
Peak Number 20 1-Acenaphthenol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	5.44 ng/ul	87649	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	91
2	1-Acenaphthenol	170	C12H10O	006306-07-6	90
3	Benzaldehyde, 2-fluoro-3-hydroxy...	170	C8H7FO3	079418-73-8	49
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	46
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	46





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Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

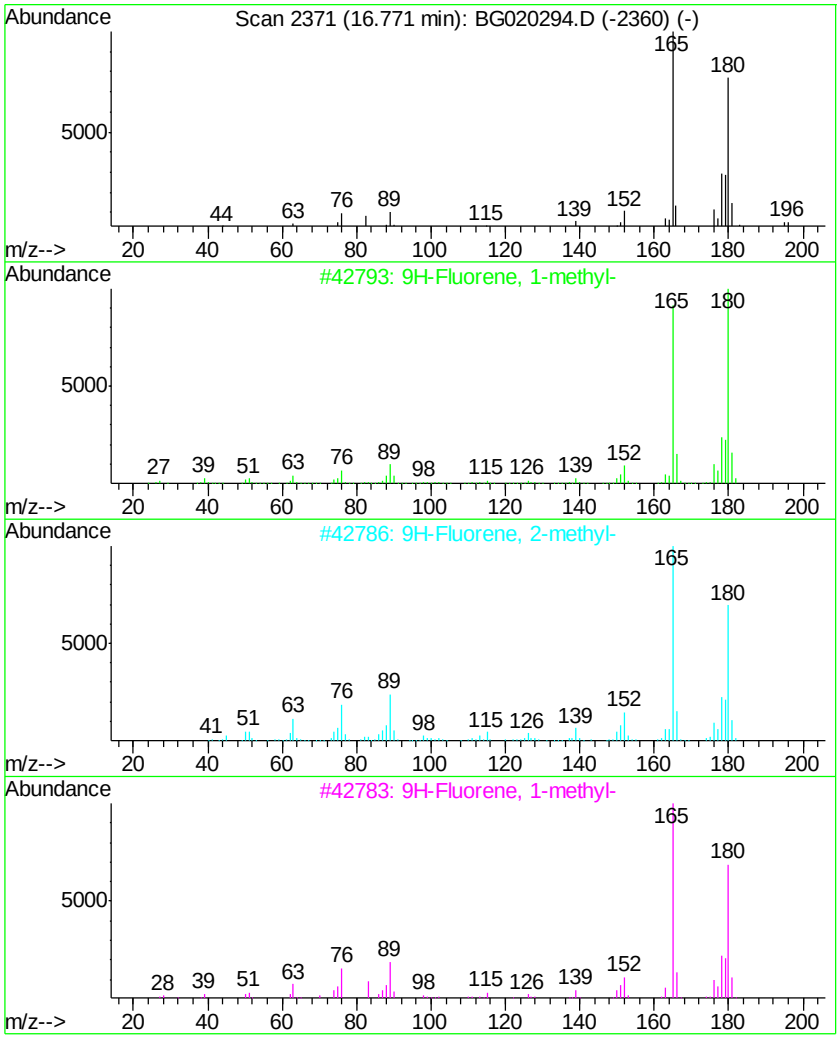
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

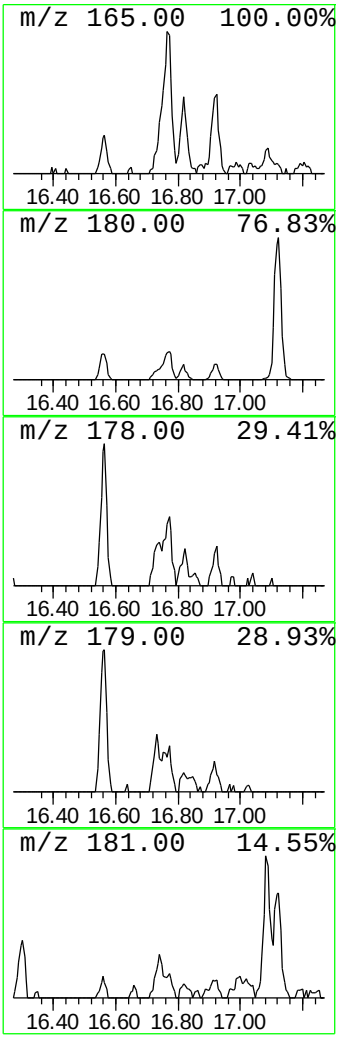
****

Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.86 ng/ul	46110	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





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Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

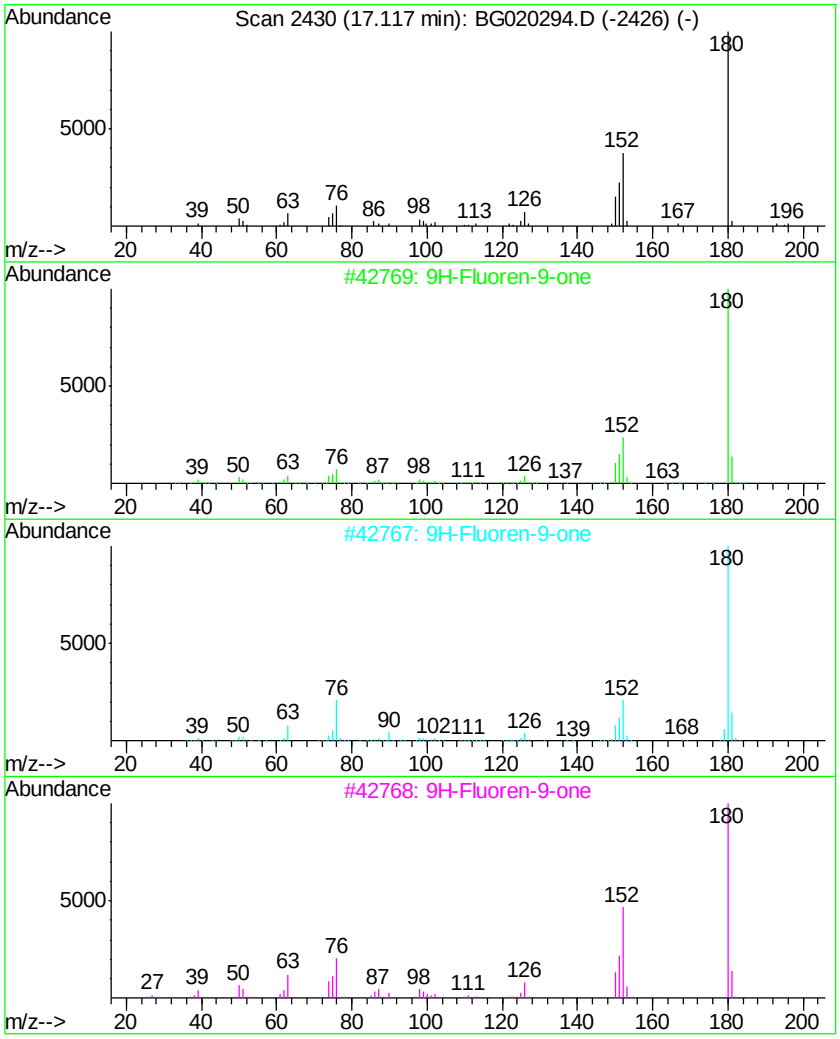
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

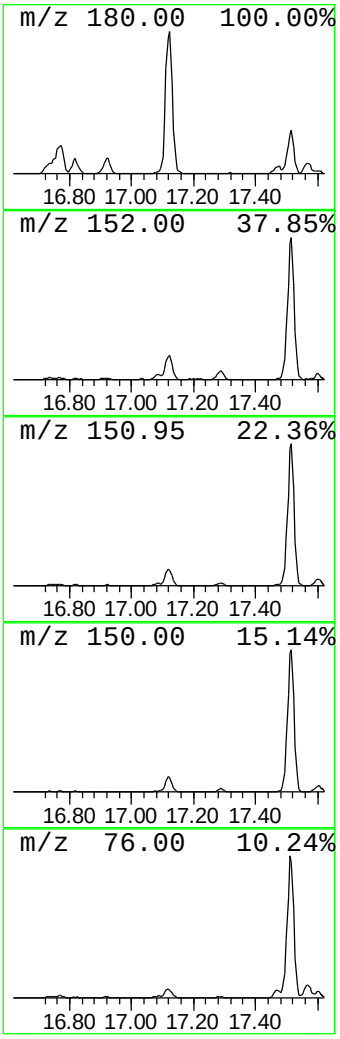
****

Peak Number 22 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	5.10 ng/ul	82231	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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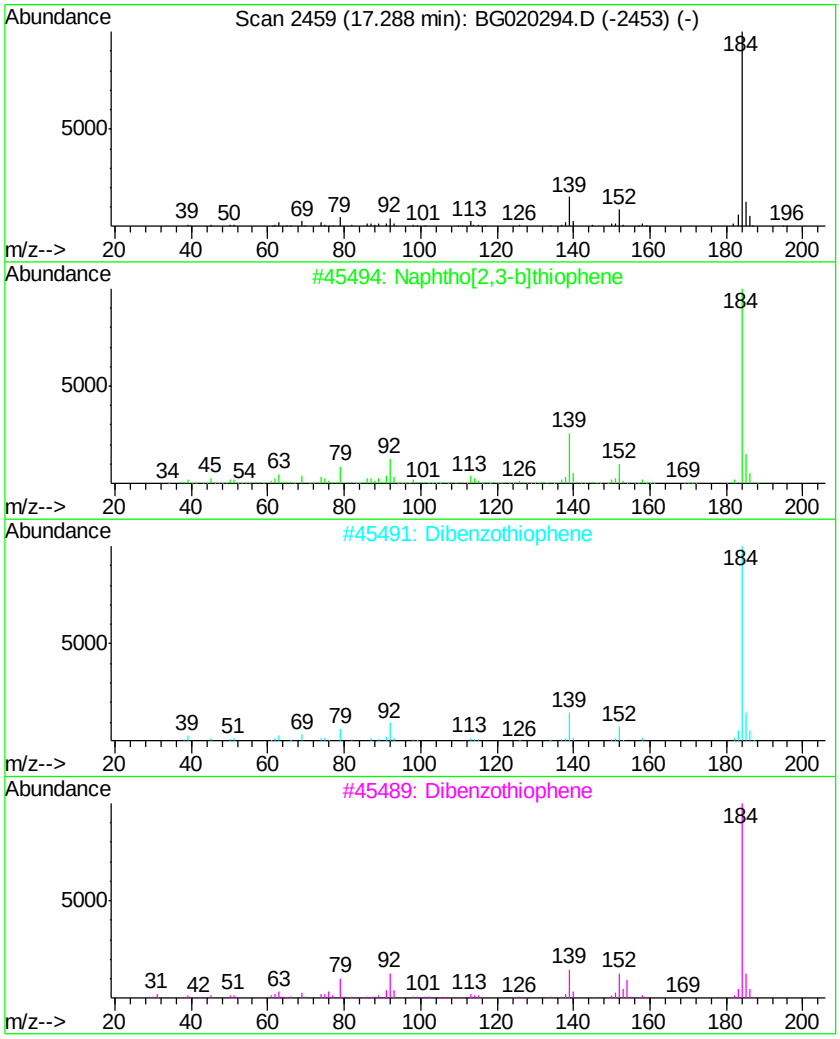
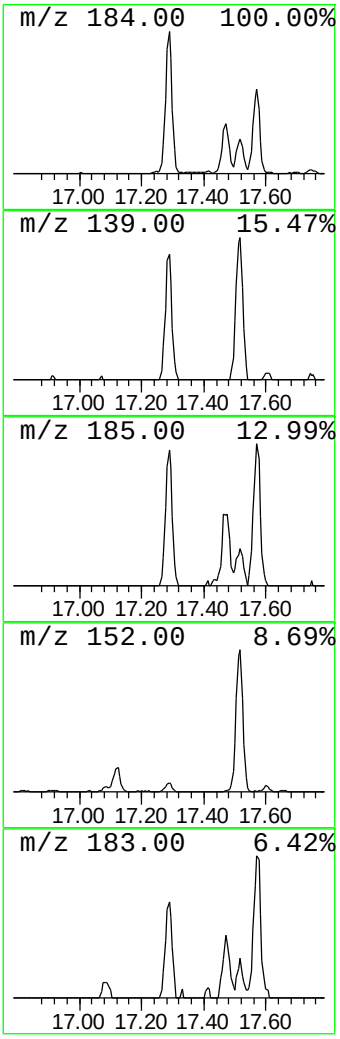
Peak Number 23 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	6.47 ng/ul	104327	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Library Search Compound Report

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Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
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Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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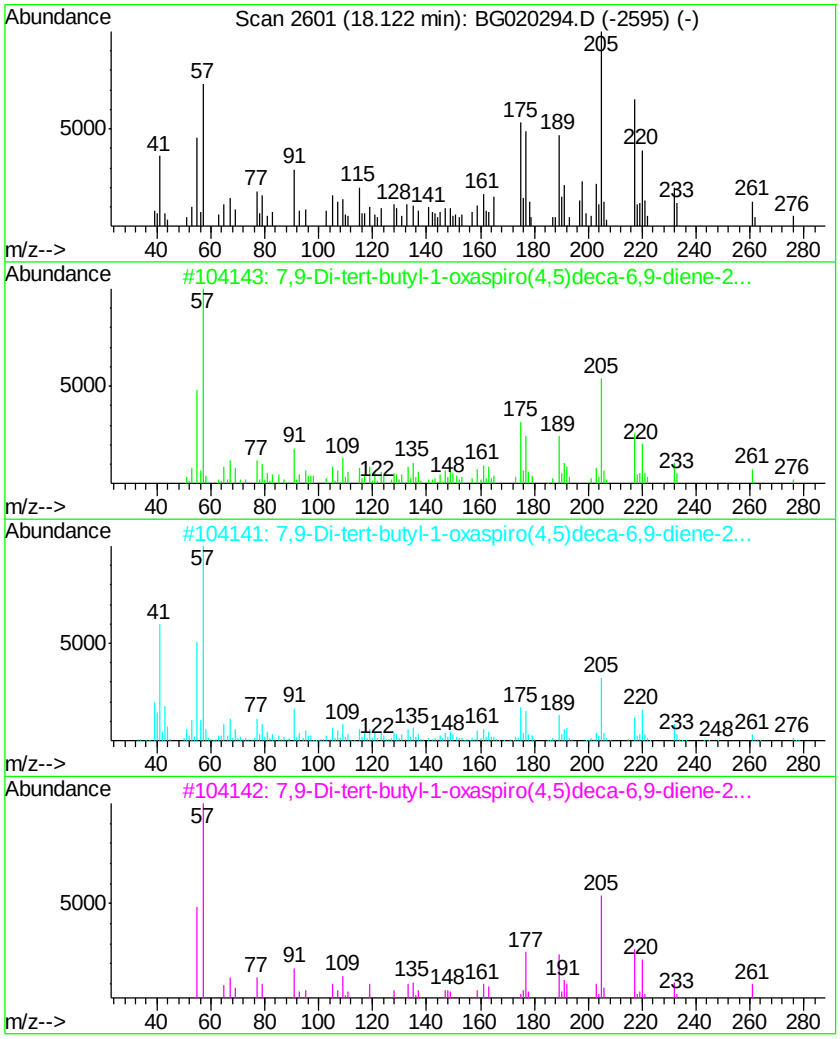
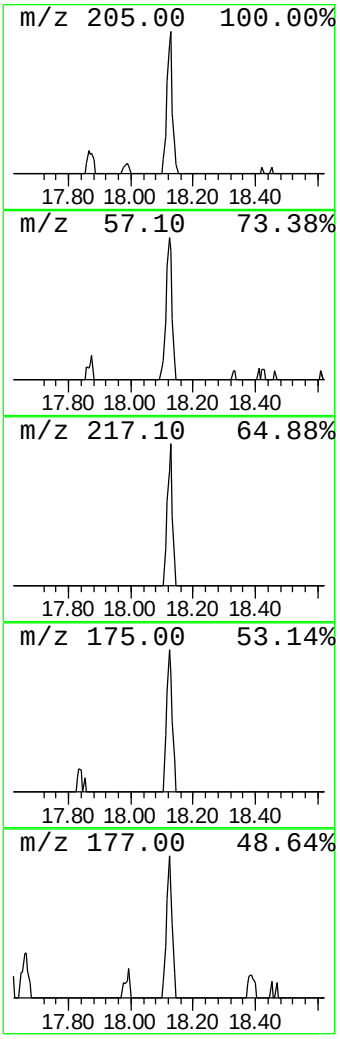
Peak Number 24 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.54 ng/ul	56996	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	96
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	96
3	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	72
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	56
5	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	51





Library Search Compound Report

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Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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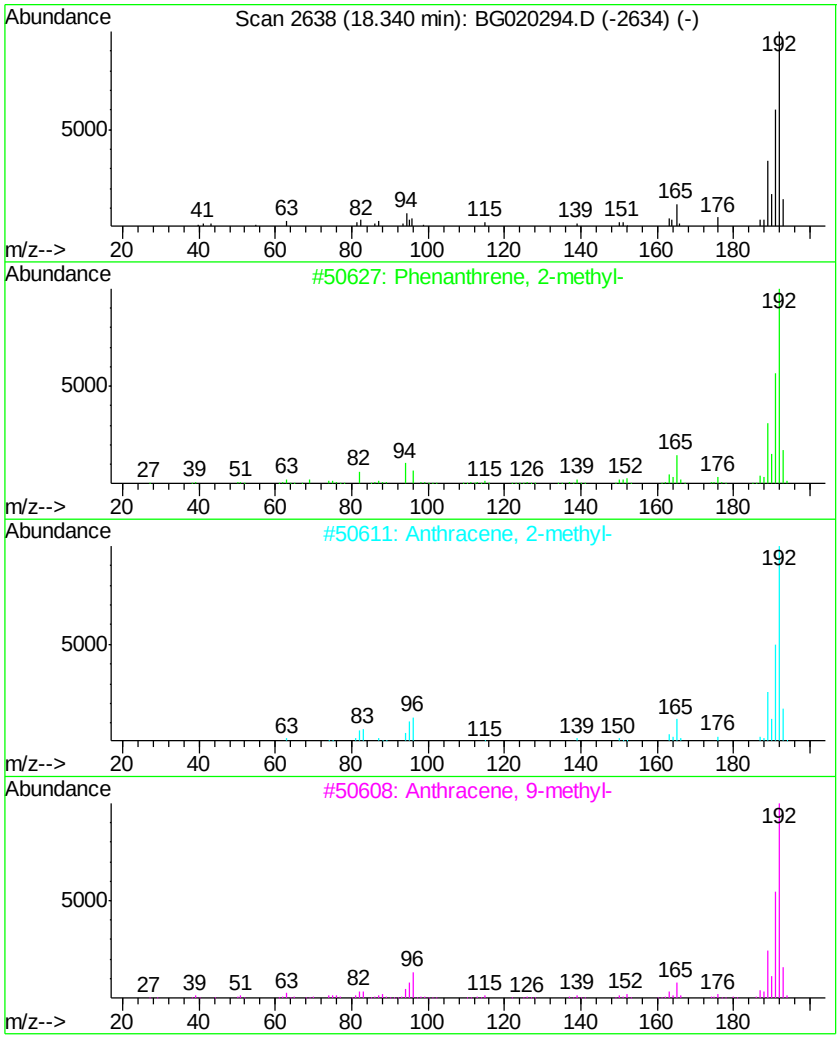
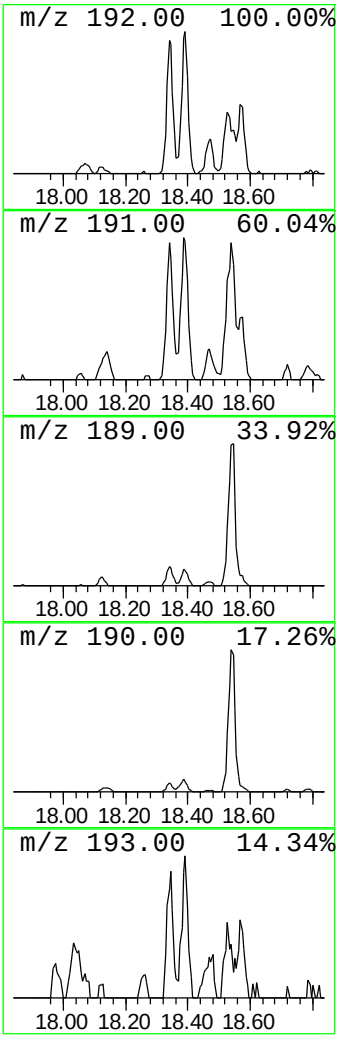
Peak Number 25 Phenanthrene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.82 ng/ul	45444	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

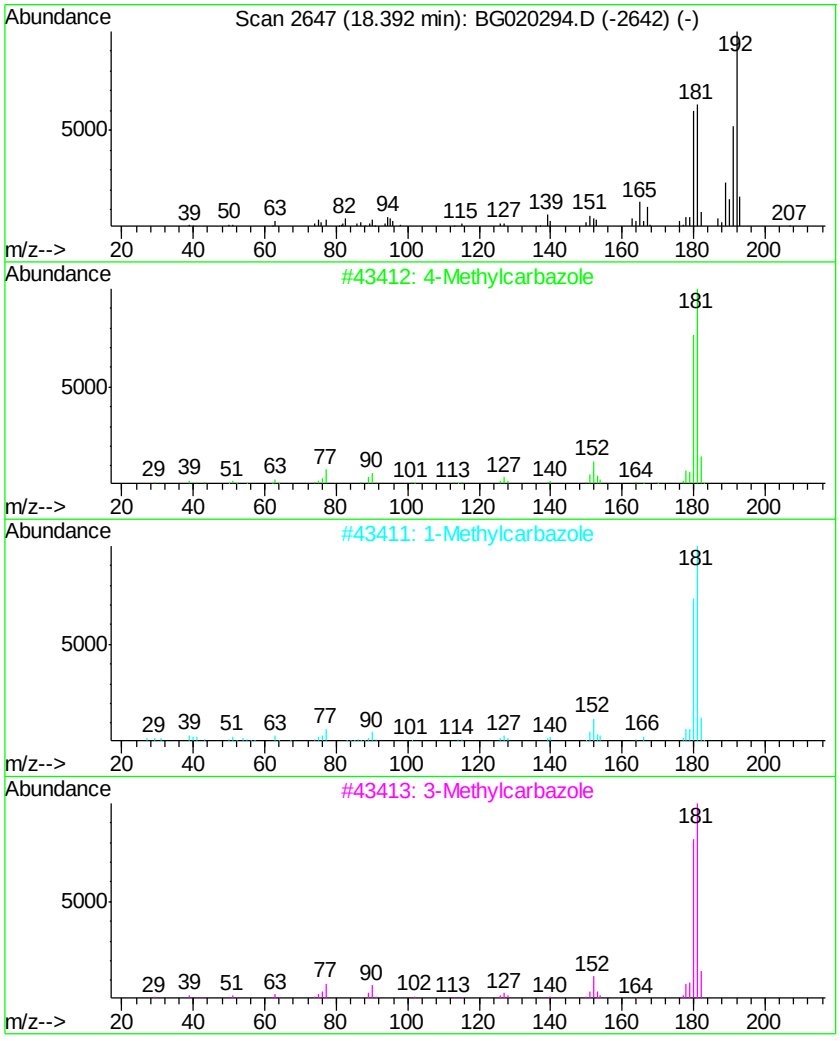
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

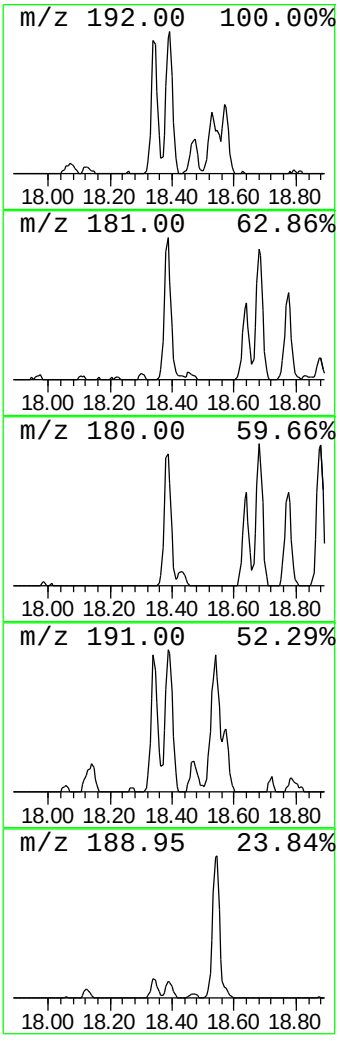
****

Peak Number 26 4-Methylcarbazole Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	6.74 ng/ul	108646	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	94
2	1-Methylcarbazole	181	C13H11N	006510-65-2	89
3	3-Methylcarbazole	181	C13H11N	004630-20-0	86
4	Methylcarbazole	181	C13H11N	027323-29-1	84
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	83





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Acq On : 19 Dec 2015 3:33
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Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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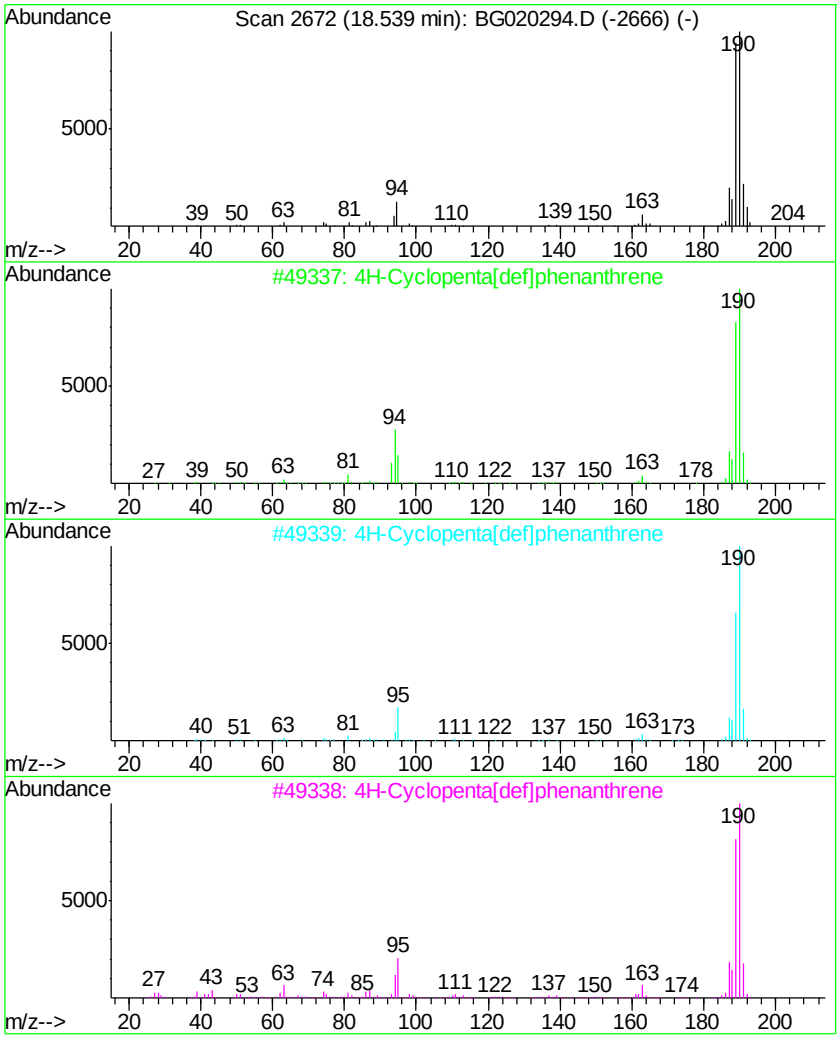
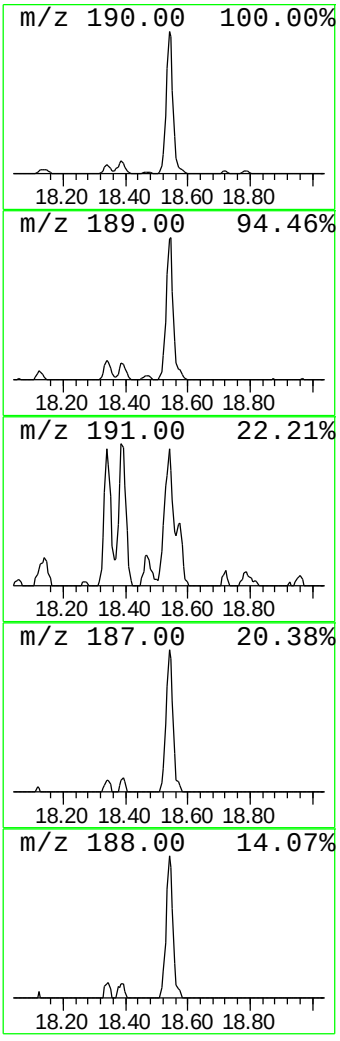
Peak Number 27 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	9.93 ng/ul	160161	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





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Sample : G4768-14
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Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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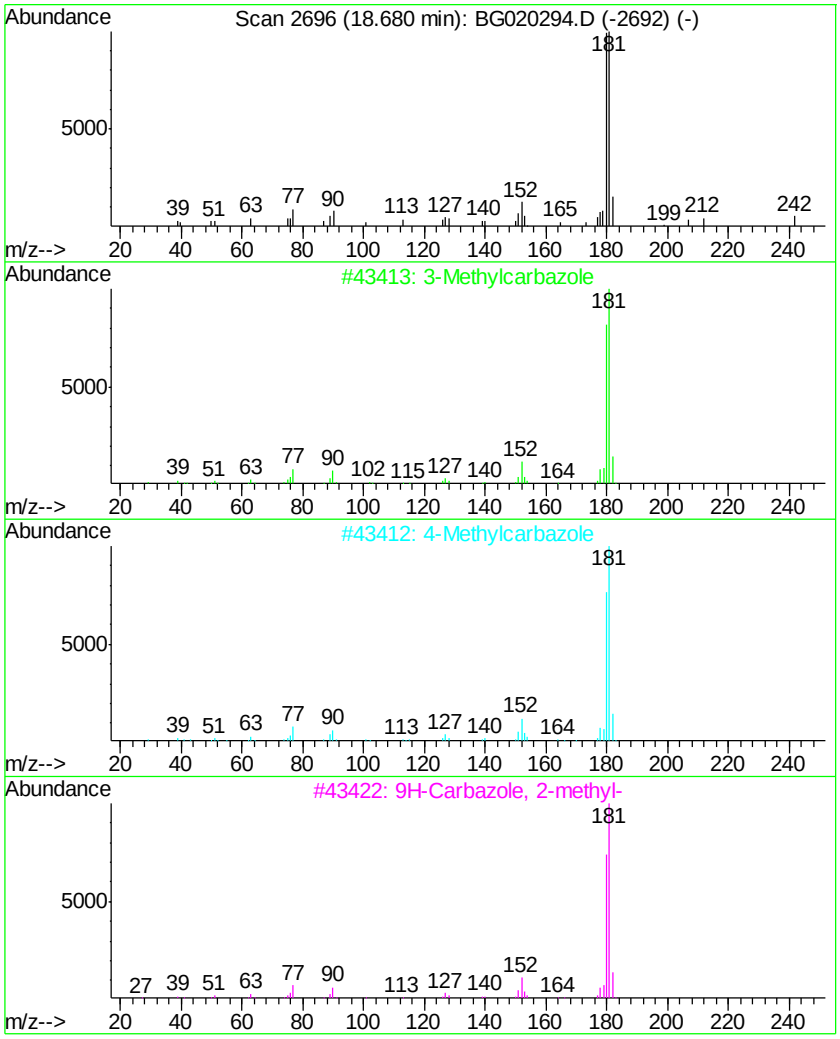
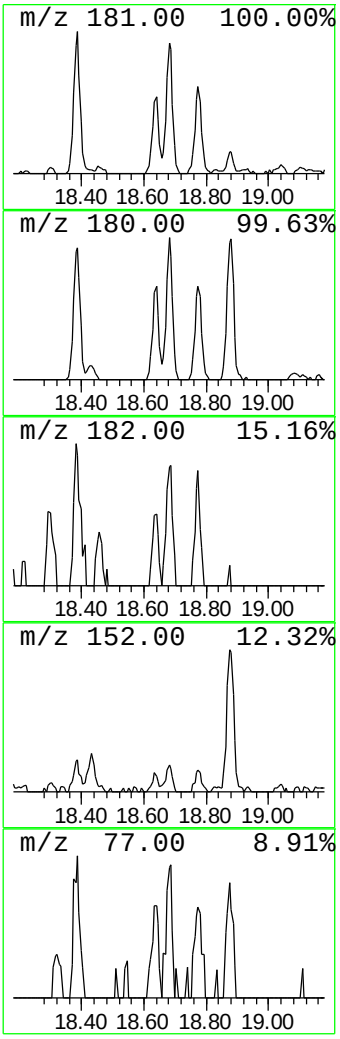
Peak Number 28 3-Methylcarbazole Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.47 ng/ul	39853	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	97
2	4-Methylcarbazole	181	C13H11N	003770-48-7	97
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	95
4	1-Methylcarbazole	181	C13H11N	006510-65-2	94
5	3-Methylcarbazole	181	C13H11N	004630-20-0	93





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Acq On : 19 Dec 2015 3:33
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Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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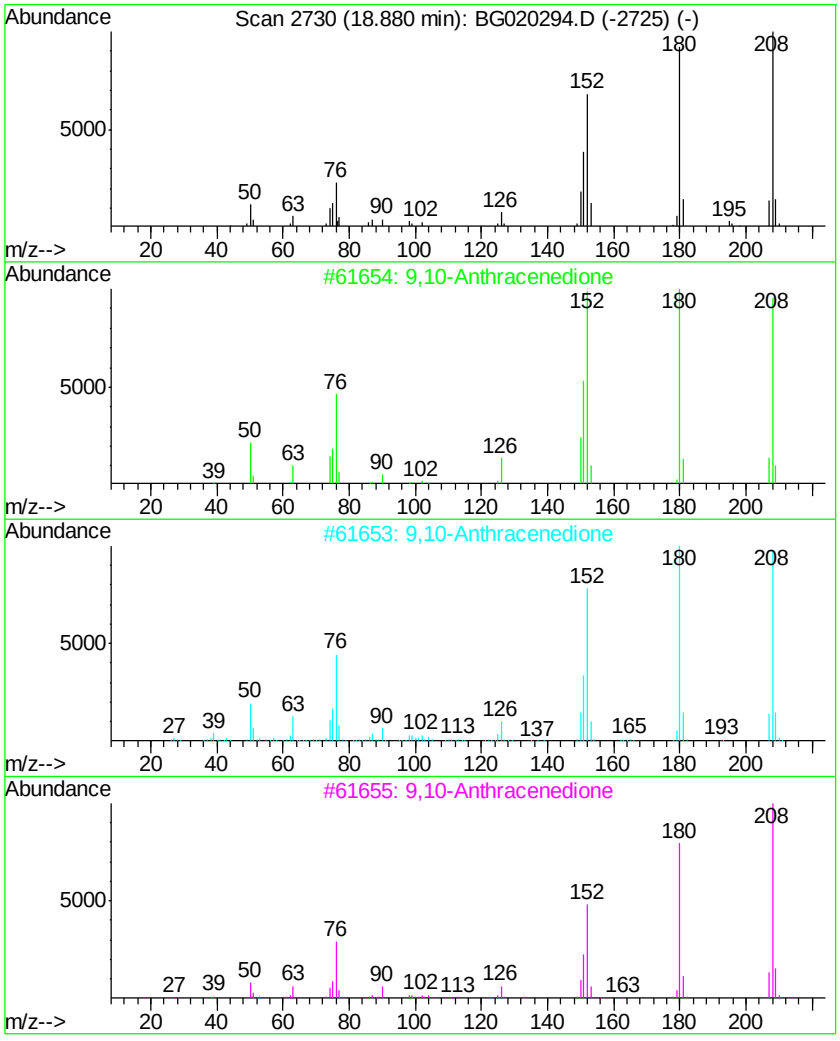
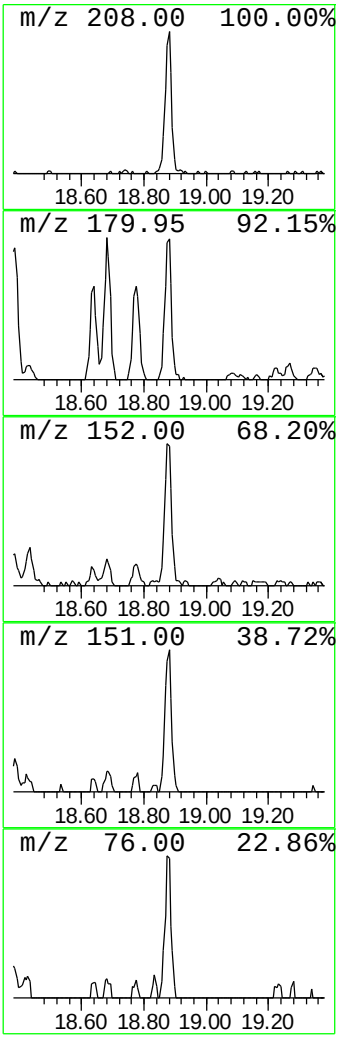
Peak Number 30 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	4.30 ng/ul	69341	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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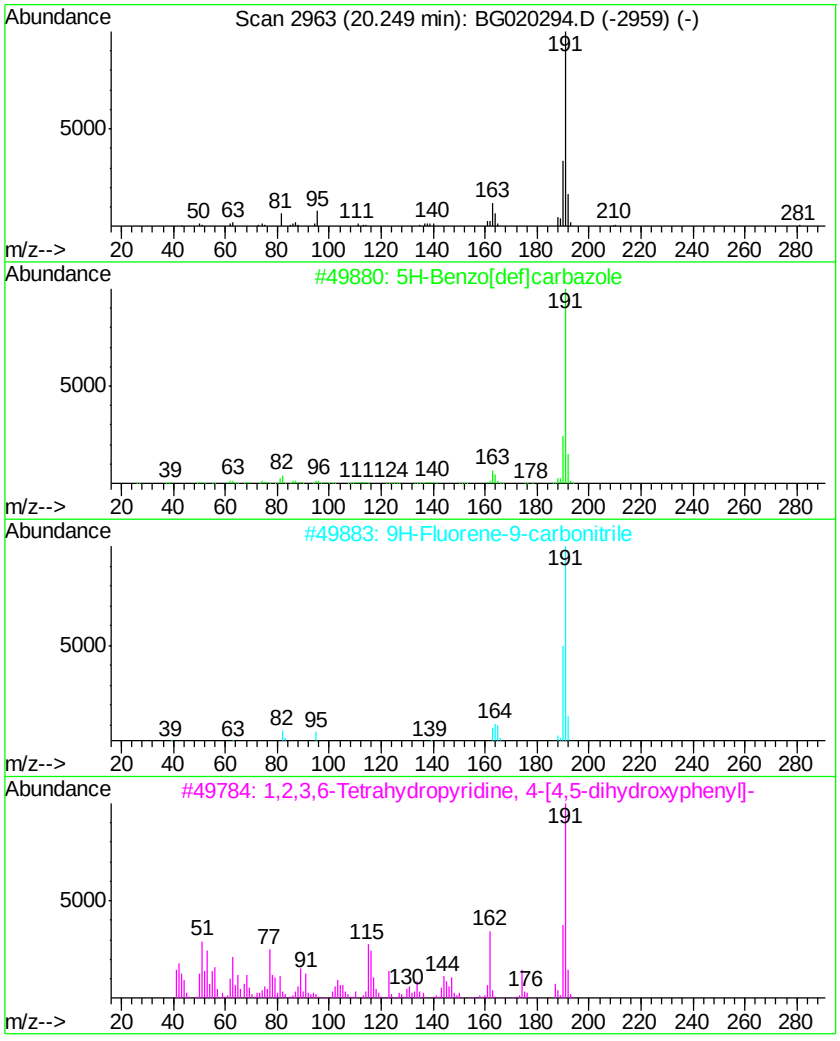
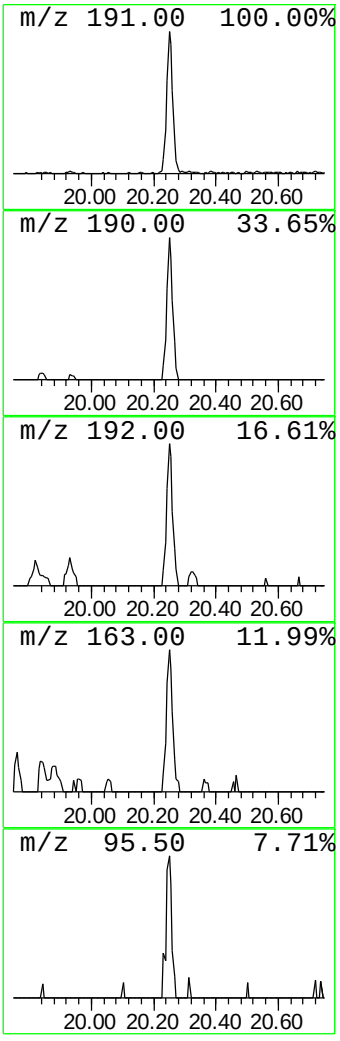
Peak Number 31 5H-Benzo[def]carbazole Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.20 ng/ul	56947	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzo[def]carbazole	191	C14H9N	000203-65-6	91
2	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	64
3	1,2,3,6-Tetrahydropyridine, 4-[4...	191	C11H13NO2	090684-17-6	64
4	1,2,3,6-Tetrahydropyridine, 4-[4...	191	C11H13NO2	090684-17-6	64
5	9-(Chloromethyl)anthracene	226	C15H11Cl	024463-19-2	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020294.D
Acq On : 19 Dec 2015 3:33
Operator : UM/SJ
Sample : G4768-14
Misc :
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Instrument : BNA_G
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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
Butane, 2-methoxy...	3.19	9.1	ng/ul	45100	1	8.09	99219	20.0
Benzene, 1-ethyl-...	7.73	2.7	ng/ul	13174	1	8.09	99219	20.0
Benzeneethanol, ...	8.46	3.2	ng/ul	15872	1	8.09	99219	20.0
Indene	8.63	11.7	ng/ul	57925	1	8.09	99219	20.0
Benzene, 2-etheny...	10.30	4.8	ng/ul	31644	2	10.91	130481	20.0
2-Methylindene	10.41	3.2	ng/ul	20658	2	10.91	130481	20.0
2-Benzothiophene #	11.08	39.8	ng/ul	259532	2	10.91	130481	20.0
Benzo[b]thiophene...	12.46	2.5	ng/ul	16217	2	10.91	130481	20.0
Naphthalene, 1-et...	13.76	3.4	ng/ul	40139	3	14.73	238745	20.0
Naphthalene, 2,6-...	13.89	3.4	ng/ul	40270	3	14.73	238745	20.0
Naphthalene, 2,3-...	14.04	6.8	ng/ul	81074	3	14.73	238745	20.0
Naphthalene, 1,6-...	14.28	2.5	ng/ul	29625	3	14.73	238745	20.0
2-Naphthalenecarb...	14.85	10.0	ng/ul	119010	3	14.73	238745	20.0
1,1'-Biphenyl, 3-...	15.89	3.0	ng/ul	35378	3	14.73	238745	20.0
unknown-01	15.93	4.6	ng/ul	55065	3	14.73	238745	20.0
Dibenzofuran, 4-m...	16.06	3.3	ng/ul	39756	3	14.73	238745	20.0
1-Acenaphthenol	16.43	5.4	ng/ul	87649	4	17.47	322441	20.0
9H-Fluorene, 1-me...	16.77	2.9	ng/ul	46110	4	17.47	322441	20.0
9H-Fluoren-9-one	17.12	5.1	ng/ul	82231	4	17.47	322441	20.0
Naphtho[2,3-b]thi...	17.29	6.5	ng/ul	104327	4	17.47	322441	20.0
7,9-Di-tert-butyl...	18.12	3.5	ng/ul	56996	4	17.47	322441	20.0
Phenanthrene, 2-m...	18.34	2.8	ng/ul	45444	4	17.47	322441	20.0
4-Methylcarbazole	18.39	6.7	ng/ul	108646	4	17.47	322441	20.0
4H-Cyclopenta[def...	18.54	9.9	ng/ul	160161	4	17.47	322441	20.0
3-Methylcarbazole	18.68	2.5	ng/ul	39853	4	17.47	322441	20.0
9,10-Anthracenedione	18.88	4.3	ng/ul	69341	4	17.47	322441	20.0
5H-Benzo[def]carb...	20.25	2.2	ng/ul	56947	5	21.74	517908	20.0