LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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-BG122415.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	3.098	39	44	53	rBV	37624	71664	0.31%	0.084%
2	5.560	454	463	472	rBV	77540	123189	0.53%	0.144%
3	5.690	479	485	495	rVB	40913	82780	0.35%	0.096%
4	6.066	541	549	557	rBB3	30011	64437	0.28%	0.075%
5	7.399	769	776	782	rBV	60962	103334	0.44%	0.120%
6	7.611	806	812	819	rVB	63096	106714	0.46%	0.124%
7	7.717	824	830	838	rBV3	60218	107966	0.46%	0.126%
8	8.075	884	891	899	rBV	156600	272146	1.17%	0.317%
9	8.451	948	955	964	rBV	260118	446886	1.92%	0.521%
10	8.621	976	984	995	rVB	790036	1359959	5.83%	1.585%
11	8.786	1006	1012	1023	rBV	52044	94152	0.40%	0.110%
12	9.250	1084	1091	1099	rBV2	86274	171532	0.74%	0.200%
13	9.562	1132	1144	1151	rBV	84324	193733	0.83%	0.226%
14	9.979	1208	1215	1224	rVB	70167	131985	0.57%	0.154%
15	10.290	1261	1268	1270	rBV2	78945	148720	0.64%	0.173%
16	10.390	1279	1285	1301	rVB	77242	230464	0.99%	0.269%
17	10.525	1301	1308	1316	rBV	139868	278135	1.19%	0.324%
18	11.019	1357	1392	1397	rBV	6357468	23333536	100.00%	27.200%
19	11.095	1397	1405	1412	rVV	959255	1566075	6.71%	1.826%
20	12.440	1629	1634	1643	rVB	75108	129411	0.55%	0.151%
21	12.564	1643	1655	1665	rBV	2645637	4828425	20.69%	5.629%
22	12.670	1665	1673	1679	rVV	90127	168496	0.72%	0.196%
23	12.775	1679	1691	1698	rVB	1661405	2905375	12.45%	3.387%
24	13.187	1754	1761	1768	rBV	42985	76408	0.33%	0.089%
25	13.551	1815	1823	1835	rBV	786120	1230271	5.27%	1.434%
26	13.745	1849	1856	1866	rVB2	143315	316767	1.36%	0.369%
27	13.886	1866	1880	1888	rBV3	168113	458800	1.97%	0.535%
28	14.033	1897	1905	1910	rVV	289664	533676	2.29%	0.622%
29	14.086	1910	1914	1916	rVV	190118	276484	1.18%	0.322%
30	14.115	1916	1919	1925	rVV	243664	382823	1.64%	0.446%
31	14.268	1939	1945	1949	rBV	115286	194208	0.83%	0.226%
32	14.409	1962	1969	1971	rBV	269779	437102	1.87%	0.510%
33	14.438	1971	1974	1982	rVB	403758	598220	2.56%	0.697%
34	14.714	2010	2021	2027	rBV3	385078	892460	3.82%	1.040%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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-BG122415.M
Title : SVOA CALIBRATION

35	14.797	2027	2035	2040	rVV	3556735	6521132	27.95%	7.602%
36	14.855	2040	2045	2051	rVV	870925	1435959	6.15%	1.674%
37	14.920	2051	2056	2063	rVV4	31366	72145	0.31%	0.084%
38	15.020	2069	2073	2078	rVV	75778	128948	0.55%	0.150%
39	15.126	2082	2091	2098	rVV2	2181851	4080598	17.49%	4.757%
40	15.319	2117	2124	2130	rBV3	34306	69506	0.30%	0.081%
41	15.707	2185	2190	2194	rVV2	340504	549654	2.36%	0.641%
42	15.772	2194	2201	2206	rVB	2389669	3888907	16.67%	4.533%
43	15.831	2206	2211	2216	rBV3	106917	227277	0.97%	0.265%
44	15.884	2216	2220	2223	rVV3	122756	206391	0.88%	0.241%
45	15.919	2223	2226	2231	rVV3	158592	257095	1.10%	0.300%
46	15.972	2231	2235	2238	rVV2	53775	87793	0.38%	0.102%
47	16.007	2238	2241	2244	rVV	77703	102758	0.44%	0.120%
48	16.048	2244	2248	2258	rVB	161752	247192	1.06%	0.288%
49	16.195	2258	2273	2282	rBV4	208378	511240	2.19%	0.596%
50	16.436	2303	2314	2321	rVB3	56910	107204	0.46%	0.125%
51	16.547	2325	2333	2339	rBV	154340	233615	1.00%	0.272%
52	16.606	2339	2343	2347	rBV	50306	82419	0.35%	0.096%
53	16.718	2356	2362	2366	rBV3	65414	152361	0.65%	0.178%
54	16.759	2366	2369	2373	rVV	95081	142901	0.61%	0.167%
55	16.806	2373	2377	2388	rVB2	41524	77247	0.33%	0.090%
56	16.906	2388	2394	2399	rBV	44206	66561	0.29%	0.078%
57	17.111	2418	2429	2436	rVB	112032	201186	0.86%	0.235%
58	17.276	2452	2457	2465	rVB	330470	513571	2.20%	0.599%
59	17.405	2475	2479	2482	rBV	39359	57959	0.25%	0.068%
60	17.464	2482	2489	2492	rBV	510654	949512	4.07%	1.107%
61	17.517	2492	2498	2502	rVB	3241860	5330852	22.85%	6.214%
62	17.564	2502	2506	2510	rBV	592185	811562	3.48%	0.946%
63	17.652	2516	2521	2532	rVB5	61702	135720	0.58%	0.158%
64	17.881	2546	2560	2565	rVV	2243289	4100514	17.57%	4.780%
65	17.952	2565	2572	2574	rVV3	87609	157028	0.67%	0.183%
66	17.975	2574	2576	2580	rVV2	107936	184335	0.79%	0.215%
67	18.016	2580	2583	2590	rVV	133209	217580	0.93%	0.254%
68	18.104	2590	2598	2603	rVV2	90930	229160	0.98%	0.267%
69	18.151	2603	2606	2611	rVV2	57472	95254	0.41%	0.111%
70	18.292	2626	2630	2633	rBV	89282	124965	0.54%	0.146%
71	18.328	2633	2636	2640	rVV	76325	103481	0.44%	0.121%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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-BG122415.M
Title : SVOA CALIBRATION

72	18.381	2640	2645	2651	rVV	538946	771243	3.31%	0.899%
73	18.451	2651	2657	2663	rVB4	87669	176095	0.75%	0.205%
74	18.533	2663	2671	2679	rBV2	283306	534820	2.29%	0.623%
75	18.633	2679	2688	2692	rBV2	187275	421273	1.81%	0.491%
76	18.674	2692	2695	2699	rVV	199856	286135	1.23%	0.334%
77	18.710	2699	2701	2705	rVB	52731	58540	0.25%	0.068%
78	18.768	2706	2711	2716	rVV2	218425	323680	1.39%	0.377%
79	18.821	2716	2720	2724	rVB2	113466	156227	0.67%	0.182%
80	18.874	2724	2729	2733	rBV	155997	234072	1.00%	0.273%
81	18.909	2733	2735	2746	rVB7	46371	81862	0.35%	0.095%
82	19.133	2769	2773	2779	rVB4	45486	84582	0.36%	0.099%
83	19.344	2805	2809	2813	rVV3	46934	91737	0.39%	0.107%
84	19.509	2830	2837	2842	rVB	622177	928165	3.98%	1.082%
85	19.603	2849	2853	2859	rVB	58733	79695	0.34%	0.093%
86	19.703	2865	2870	2876	rBV5	53308	126456	0.54%	0.147%
87	19.838	2887	2893	2896	rBV	547020	888624	3.81%	1.036%
88	19.867	2896	2898	2906	rVB2	433407	564143	2.42%	0.658%
89	20.061	2924	2931	2935	rBV4	37046	59897	0.26%	0.070%
90	20.243	2957	2962	2969	rBV	244207	326501	1.40%	0.381%
91	20.325	2969	2976	2986	rVB	235579	447837	1.92%	0.522%
92	20.455	2993	2998	3002	rBV2	36361	57621	0.25%	0.067%
93	20.942	3074	3081	3085	rBV	64921	114941	0.49%	0.134%
94	20.989	3085	3089	3094	rVB	70187	103568	0.44%	0.121%
95	21.359	3146	3152	3166	rVB2	352656	666000	2.85%	0.776%
96	21.735	3207	3216	3231	rVB	749662	1347168	5.77%	1.570%
97	22.147	3281	3286	3290	rBV	41365	68424	0.29%	0.080%
98	22.370	3317	3324	3330	rBV	62884	123211	0.53%	0.144%
99	24.767	3721	3732	3745	rBV	279367	758878	3.25%	0.885%
100	25.002	3760	3772	3787	rVB2	398939	1125617	4.82%	1.312%

Sum of corrected areas: 85784927

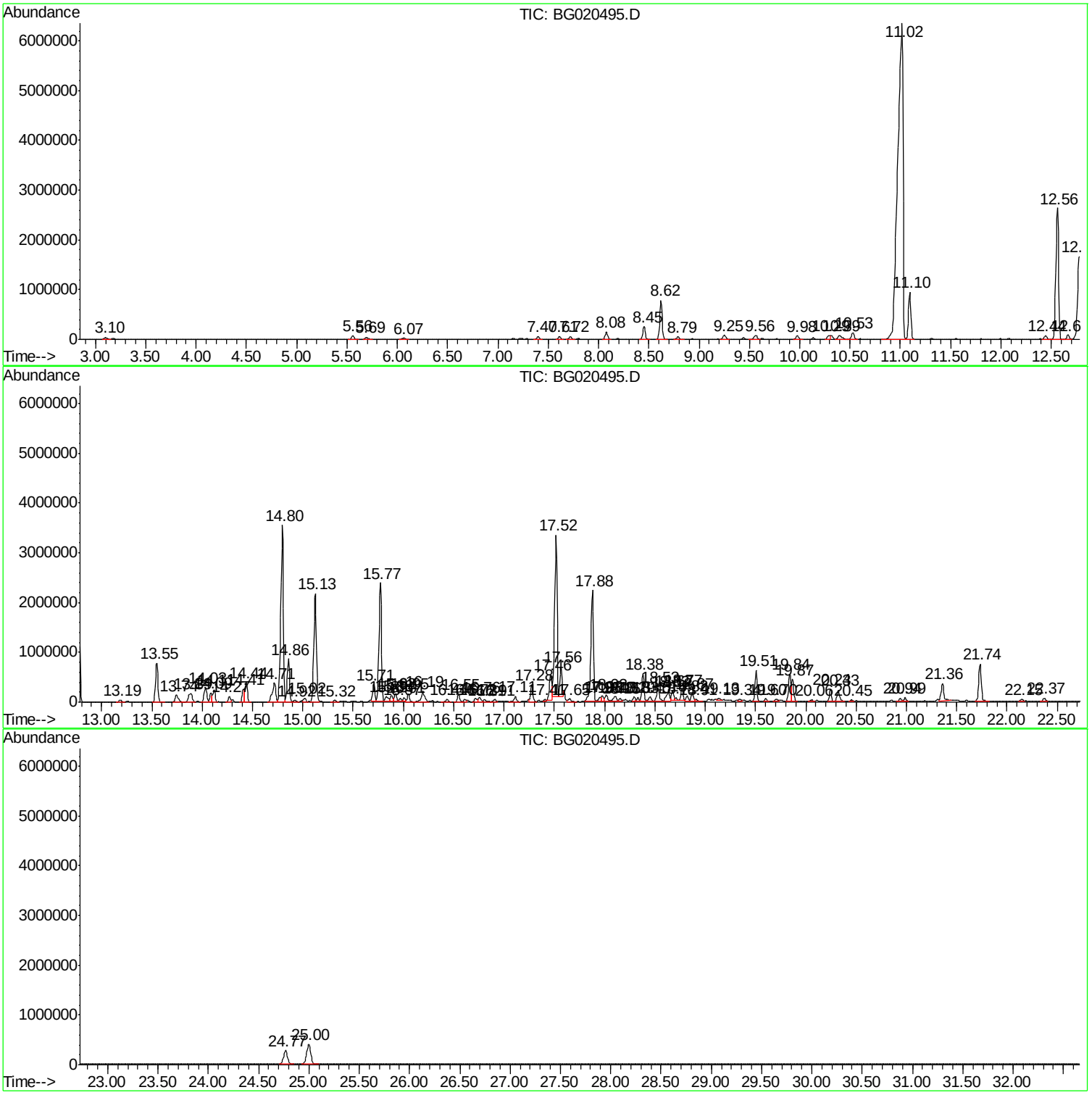
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

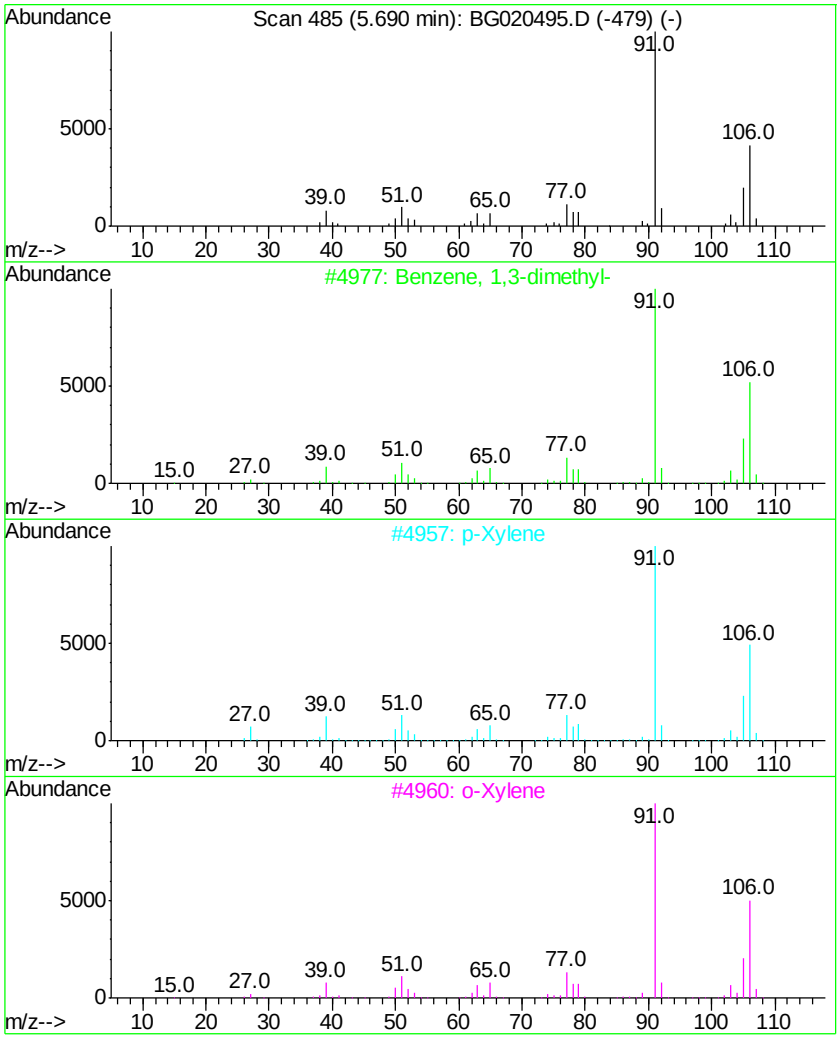
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

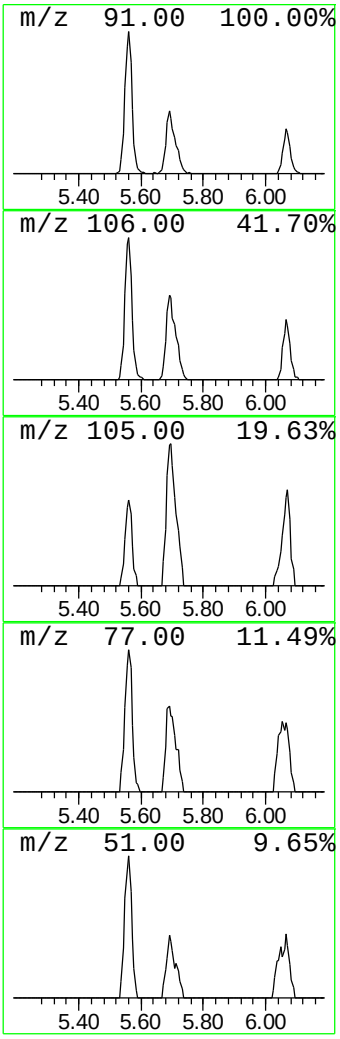
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	6.08 ng/ul	82780	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	p-Xylene	106	C8H10	000106-42-3	94
5	p-Xylene	106	C8H10	000106-42-3	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

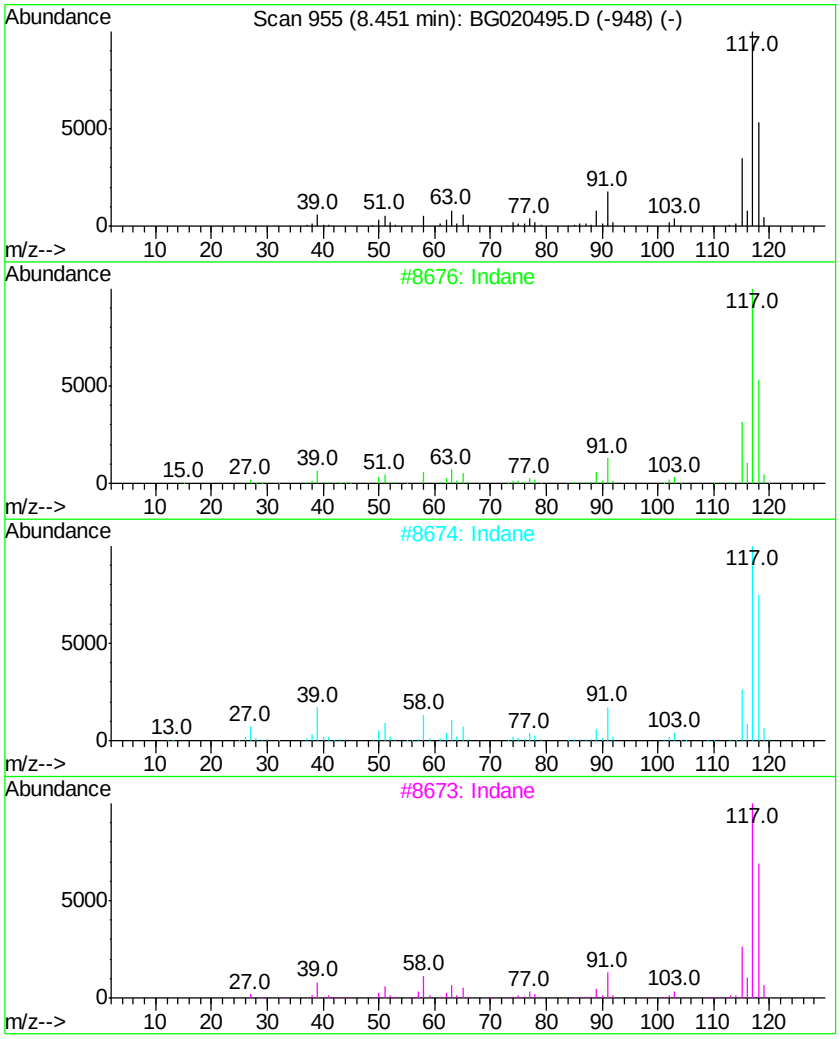
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

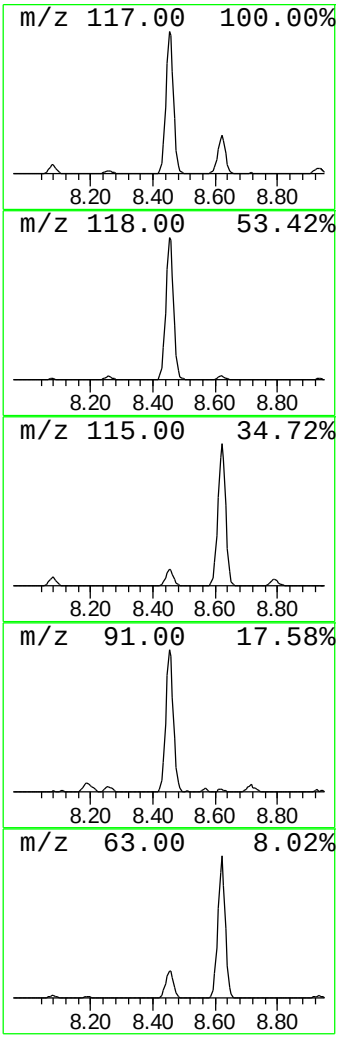
****

Peak Number 6 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	32.84 ng/ul	446886	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Deltacyclene	118	C9H10	007785-10-6	81
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

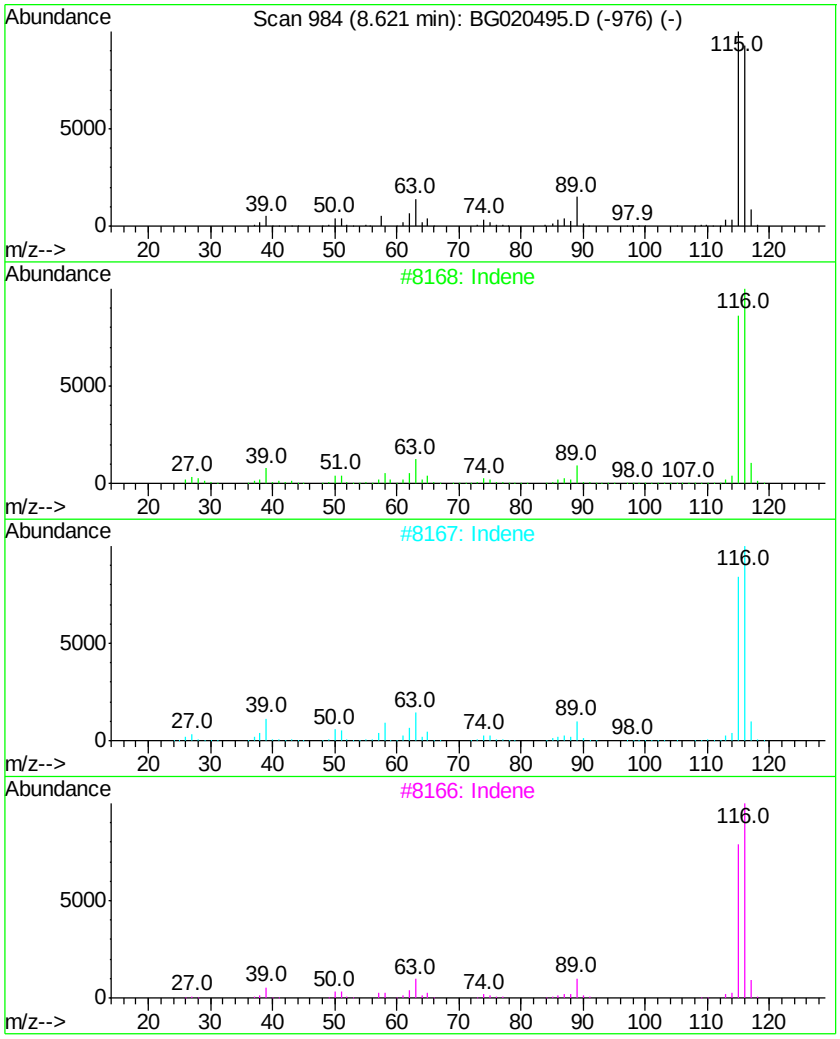
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

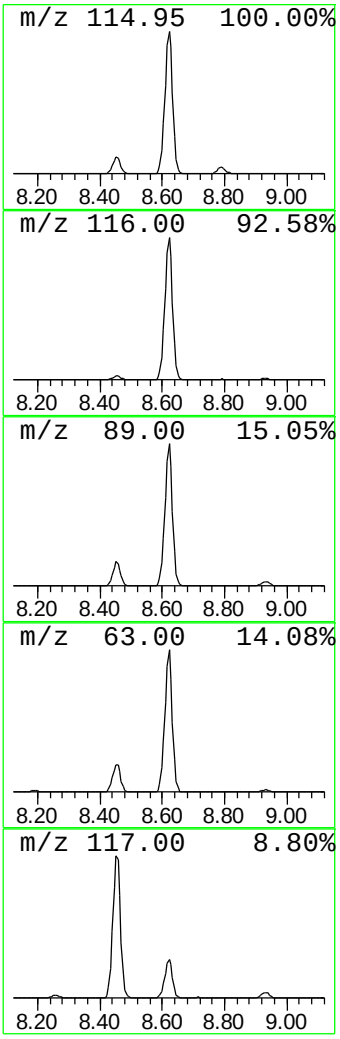
****

Peak Number 7 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	99.94 ng/ul	1359960	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

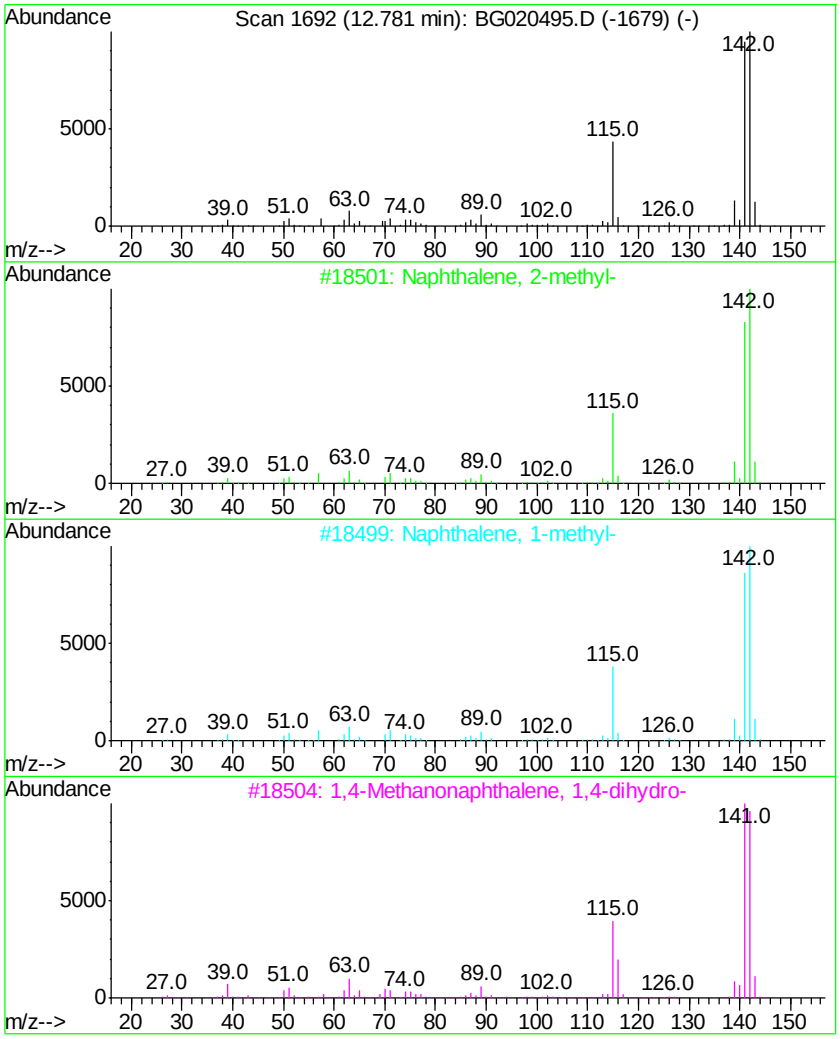
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

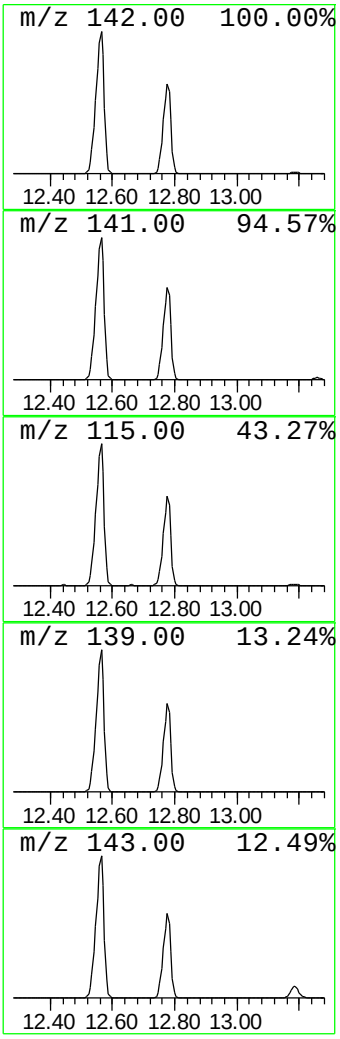
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.49 ng/ul	2905380	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

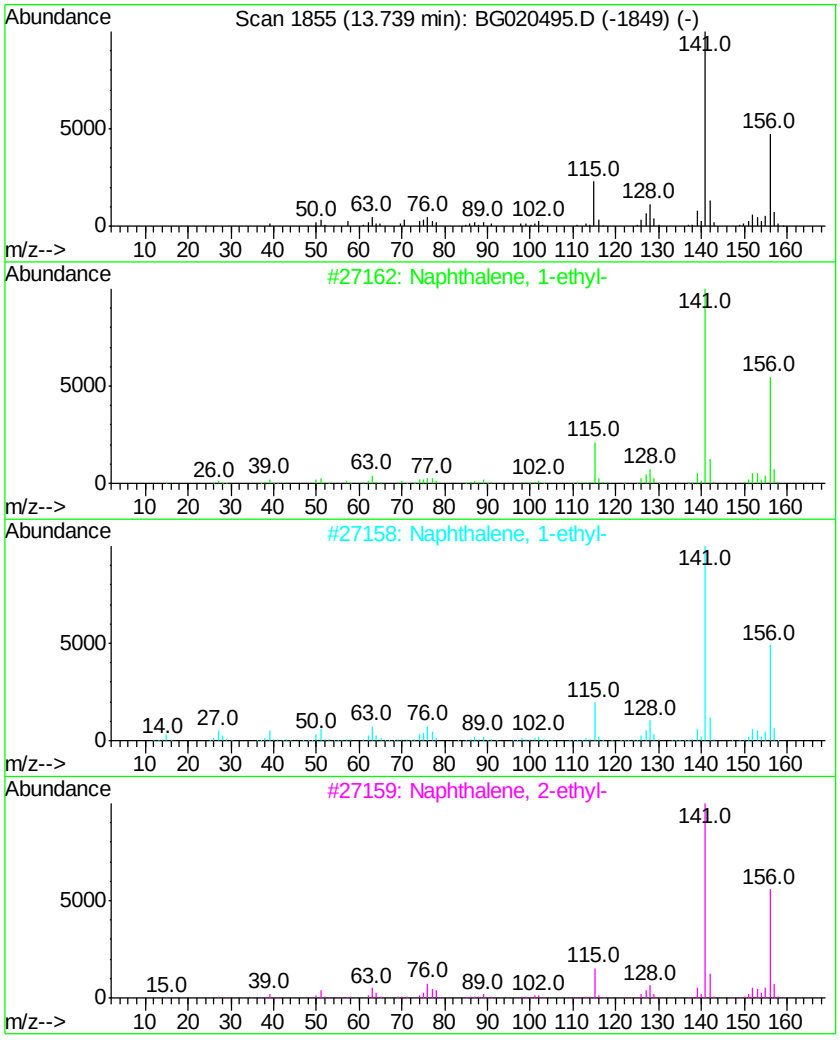
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

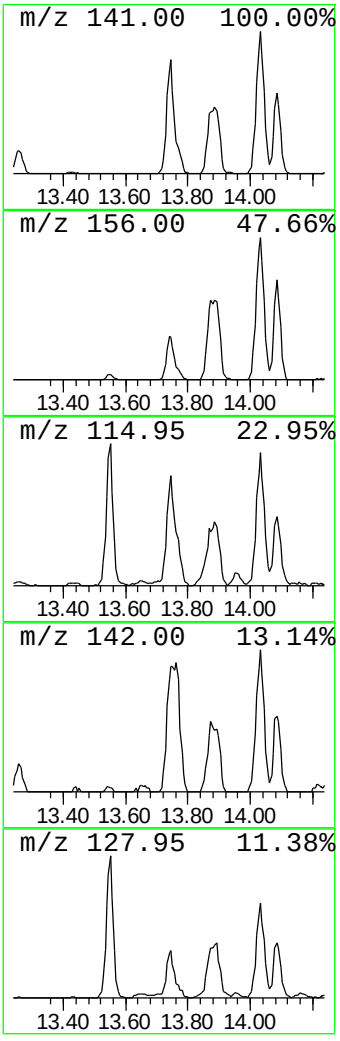
****

Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	7.10 ng/ul	316767	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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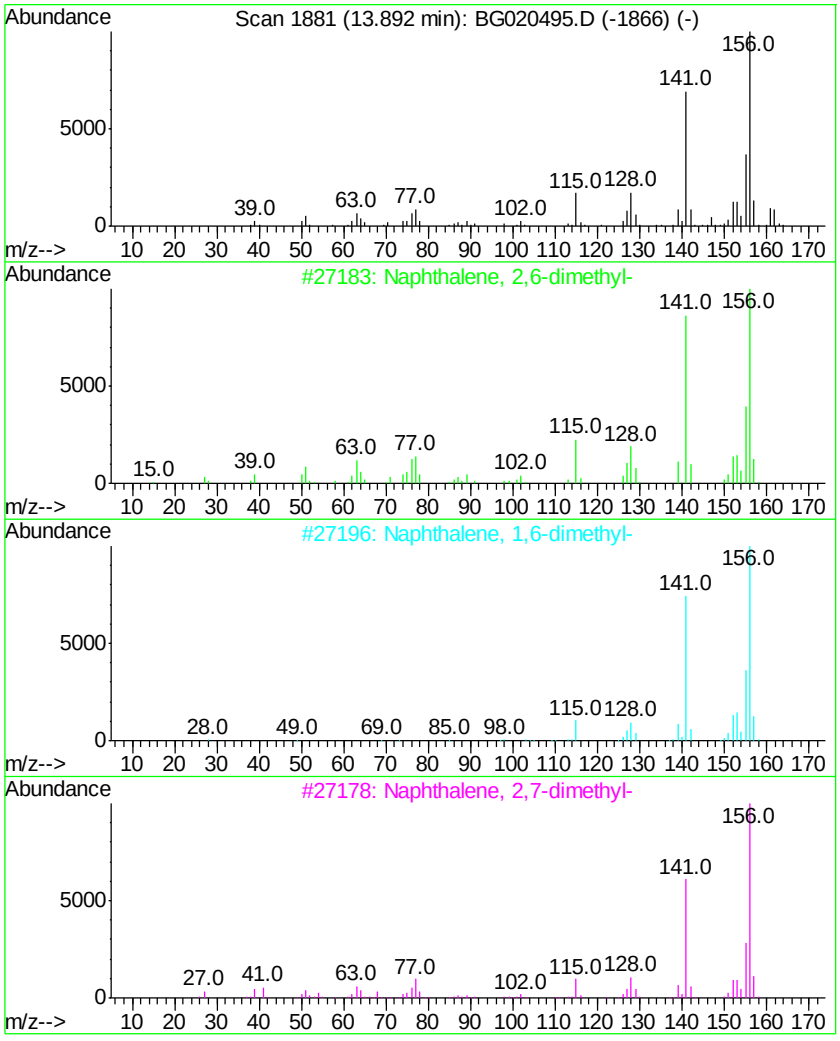
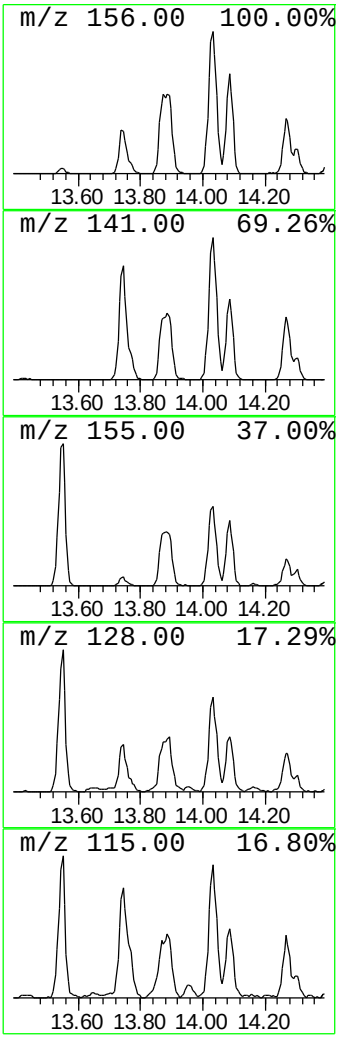
Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	10.28 ng/ul	458800	Acenaphthene-d10	14.71

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, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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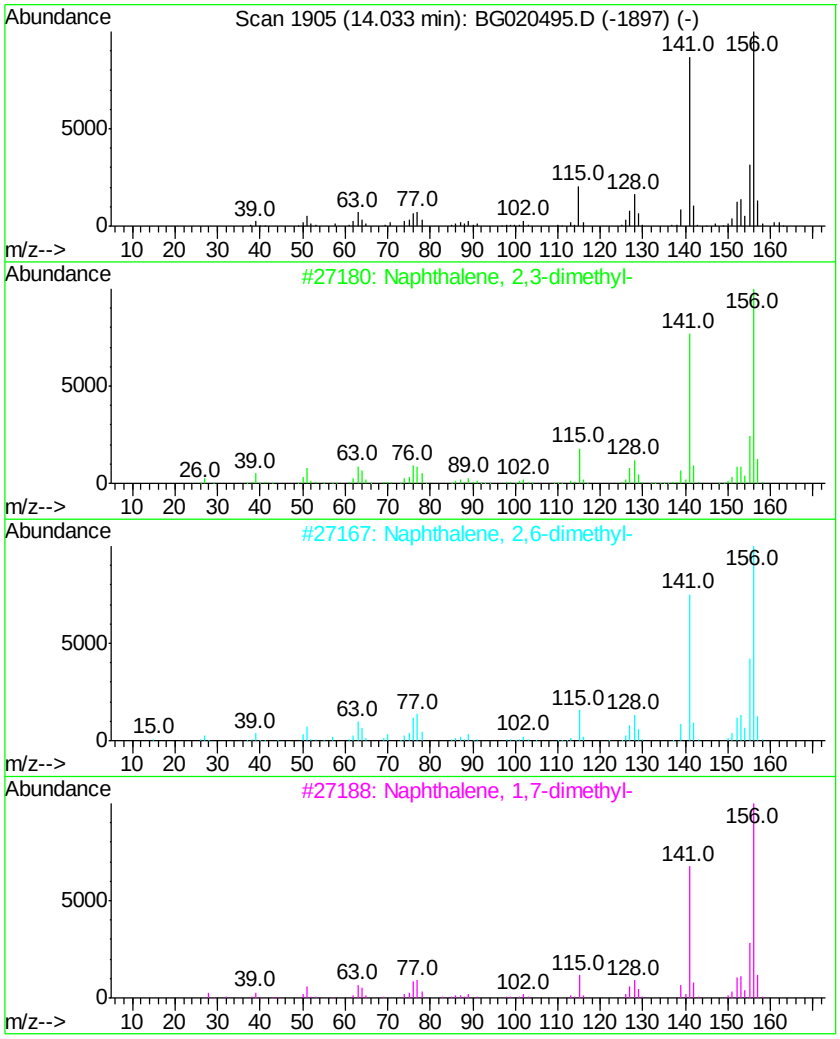
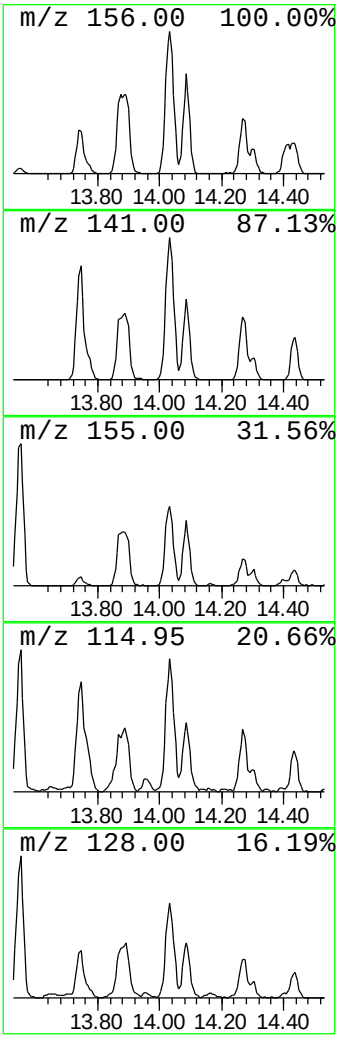
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	11.96 ng/ul	533676	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 1-Naphthalenecarbonitrile Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	32.18 ng/ul	1435960	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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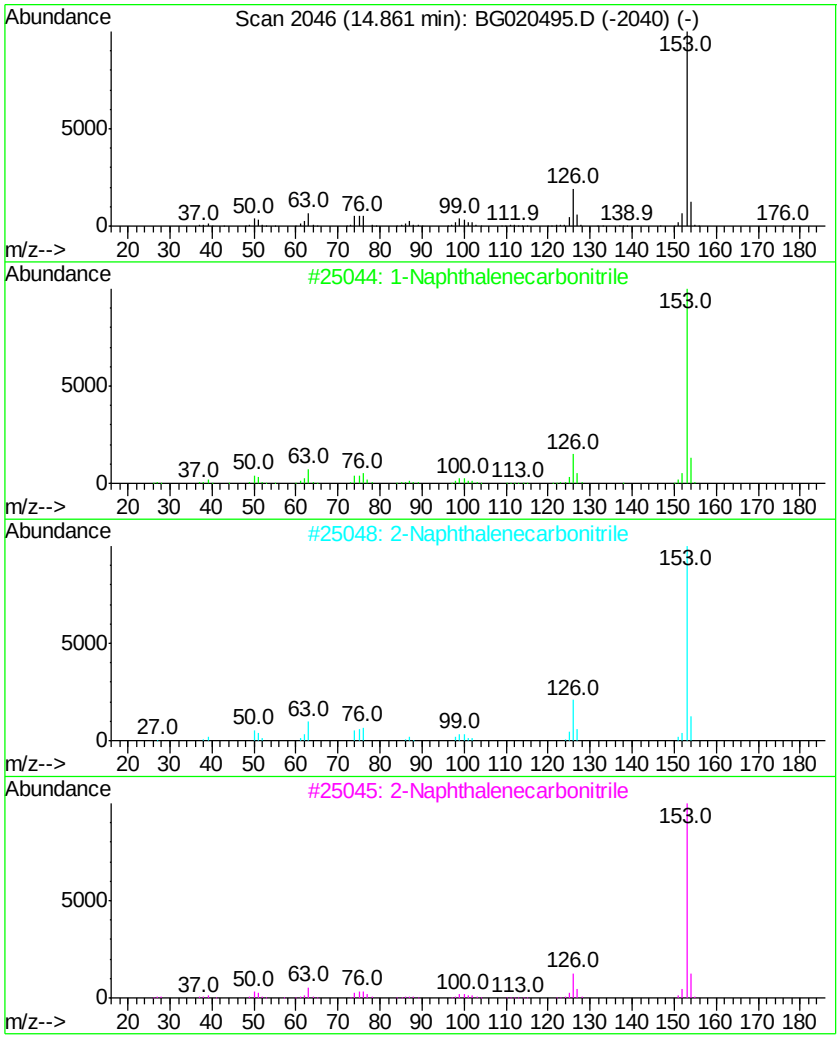

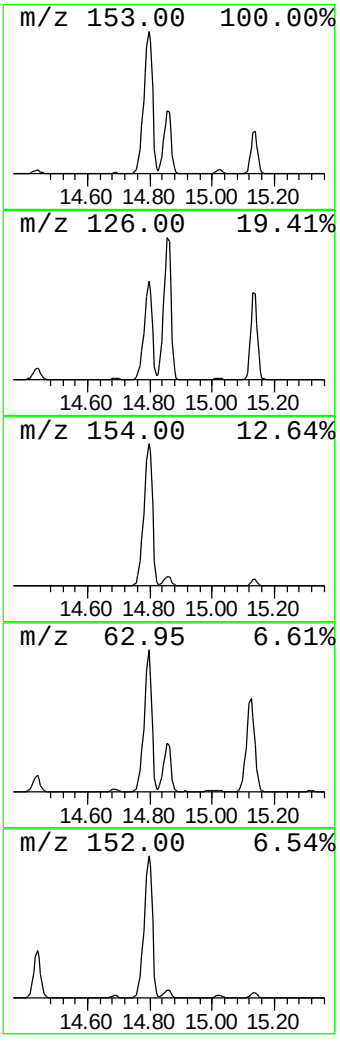

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ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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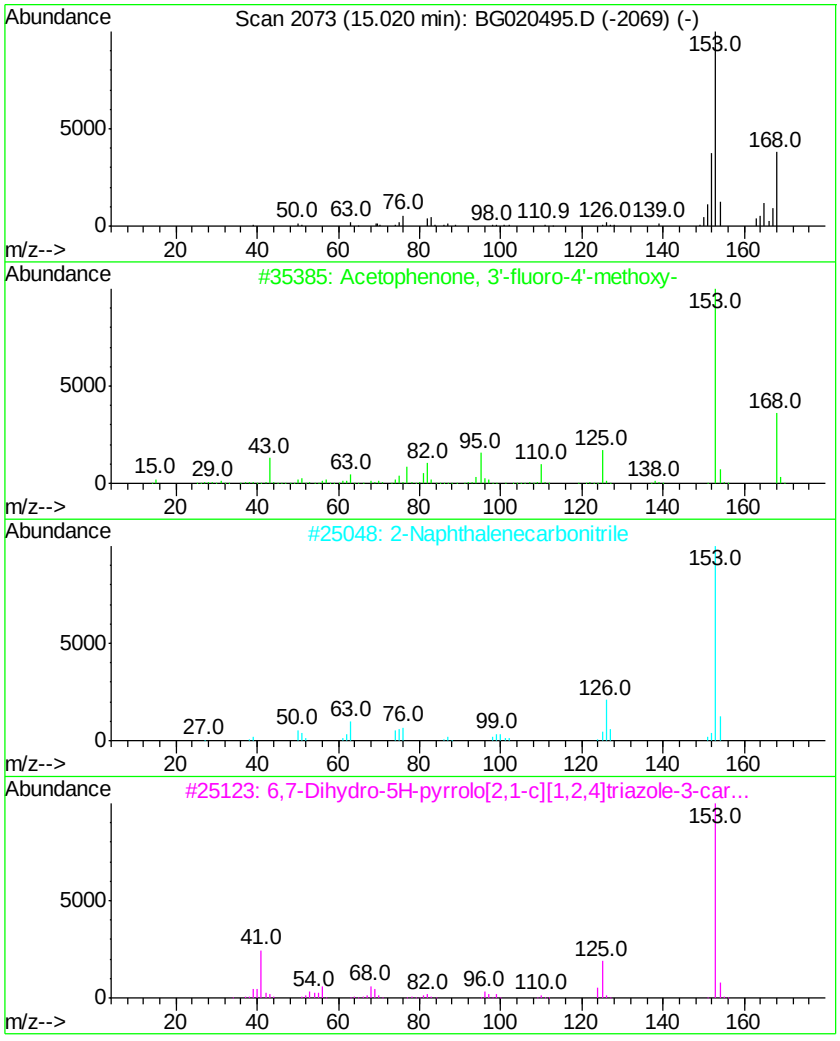
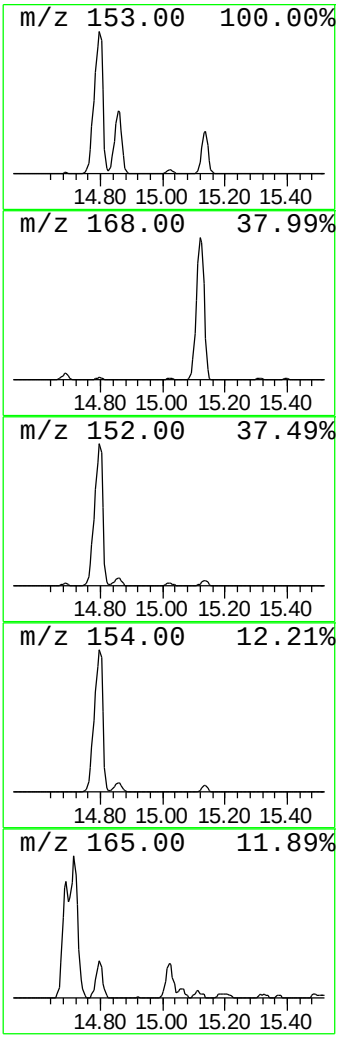
Peak Number 14 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.89 ng/ul	128948	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	28
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	25
3	6,7-Dihydro-5H-pyrrolo[2,1-c][1,...	153	C6H7N3O2	1000296-76-1	9
4	2-Fluorophenyl isothiocyanate	153	C7H4FNS	038985-64-7	9
5	3-Pyridinemethanol, 5-hydroxy-4,...	153	C8H11NO2	000061-67-6	9





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Sample : G4846-03
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 1-Isopropenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	4.63 ng/ul	206391	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	80
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
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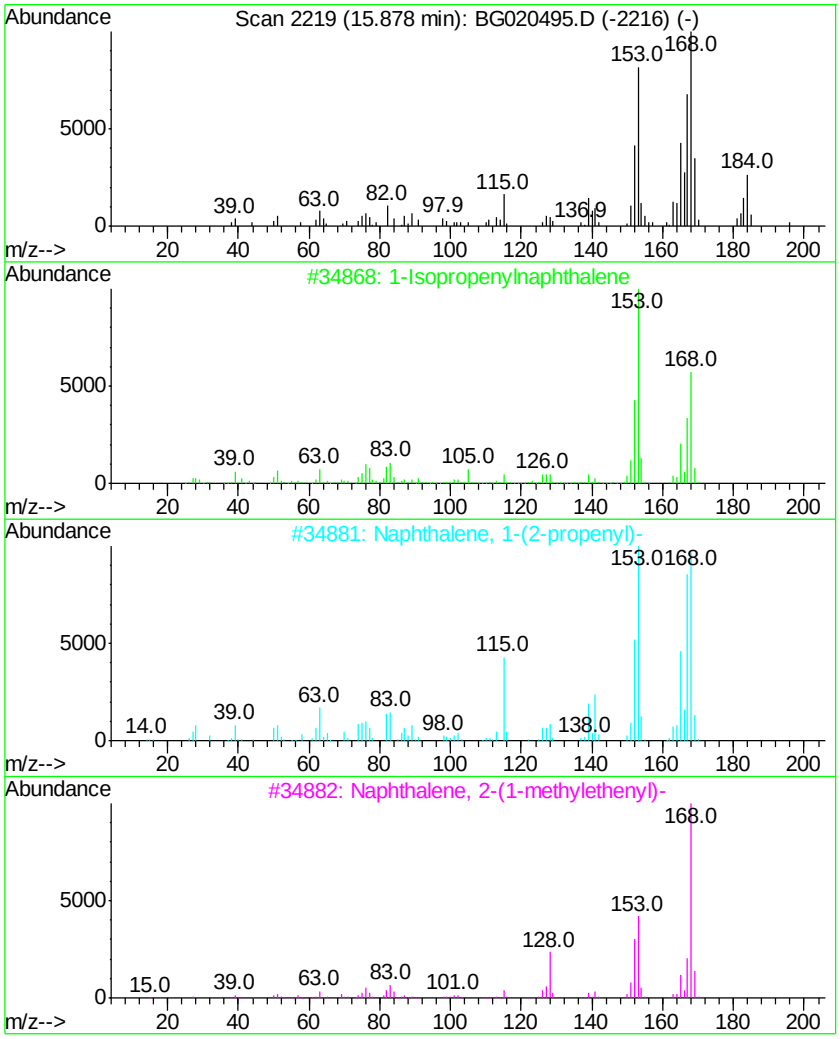

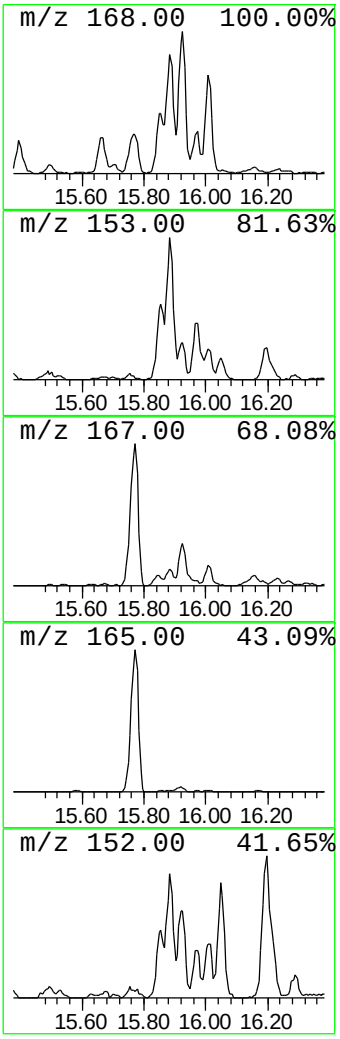

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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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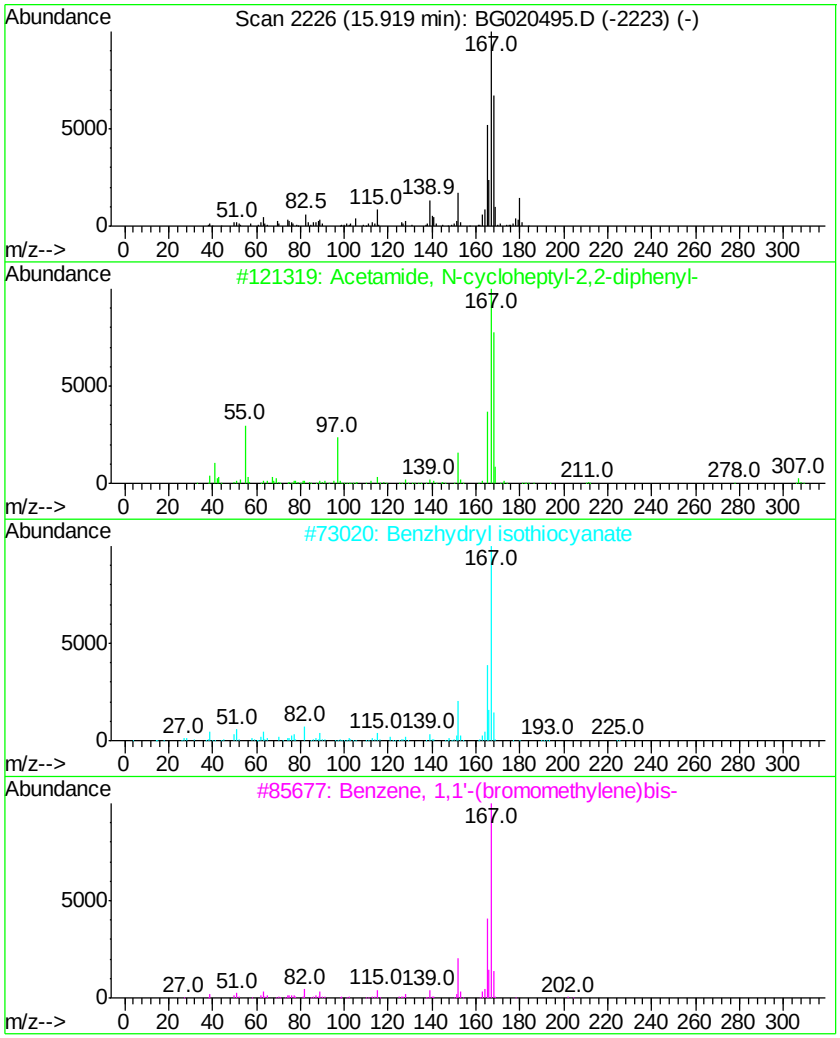
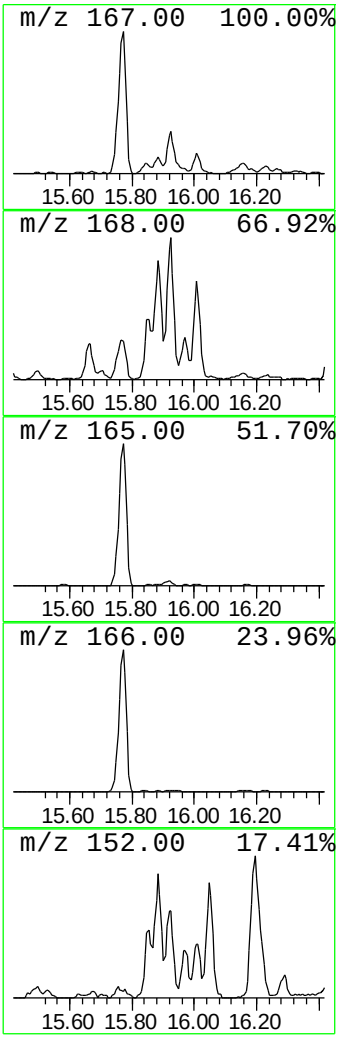
Peak Number 16 Acetamide, N-cycloheptyl-2,... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.76 ng/ul	257095	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	53
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	47
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	46
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	43





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Quant Title : SVOA CALIBRATION

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

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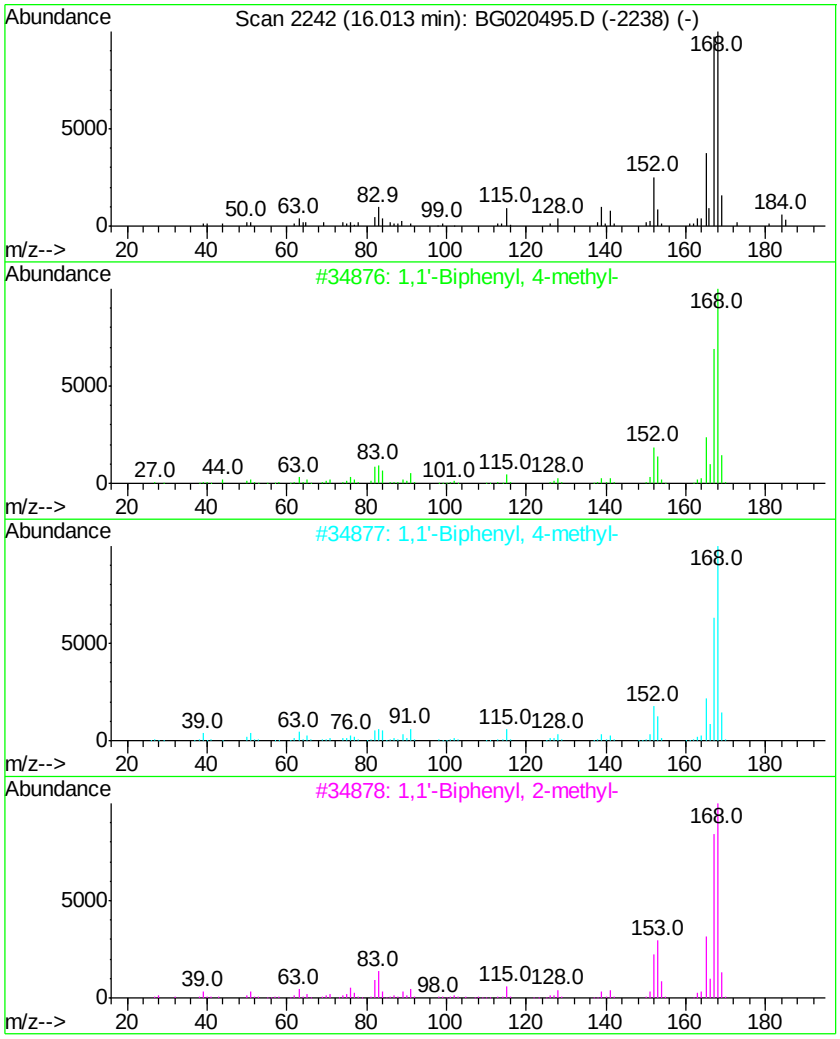
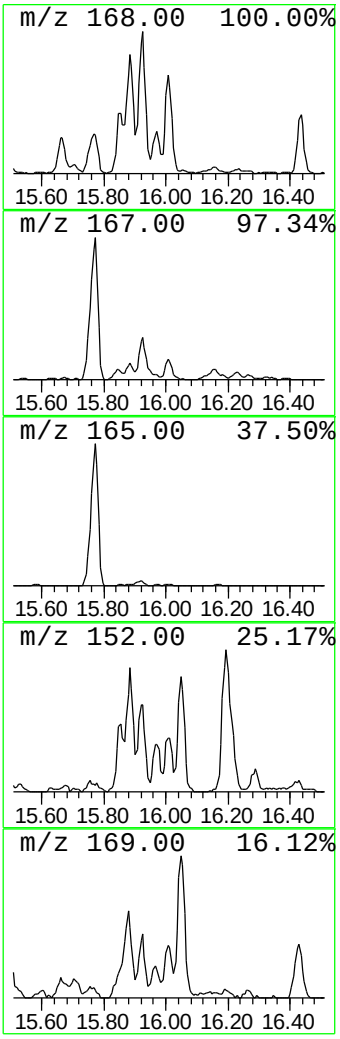
Peak Number 17 1,1'-Biphenyl, 4-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.30 ng/ul	102758	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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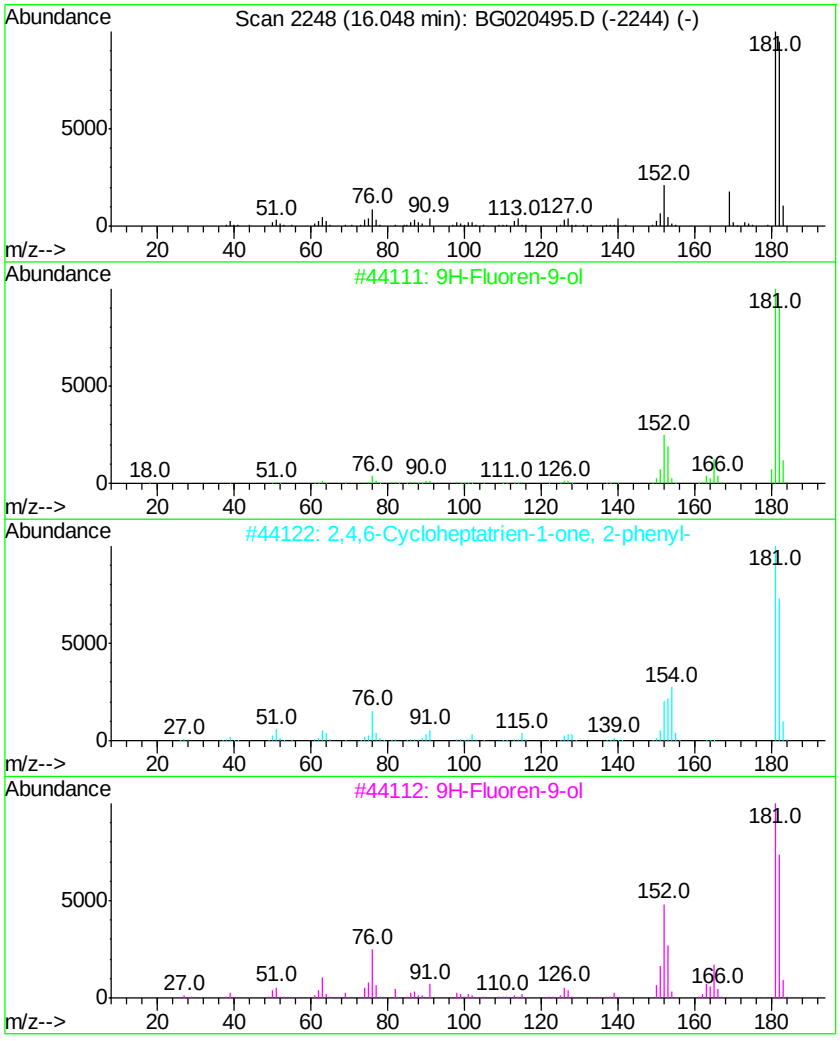
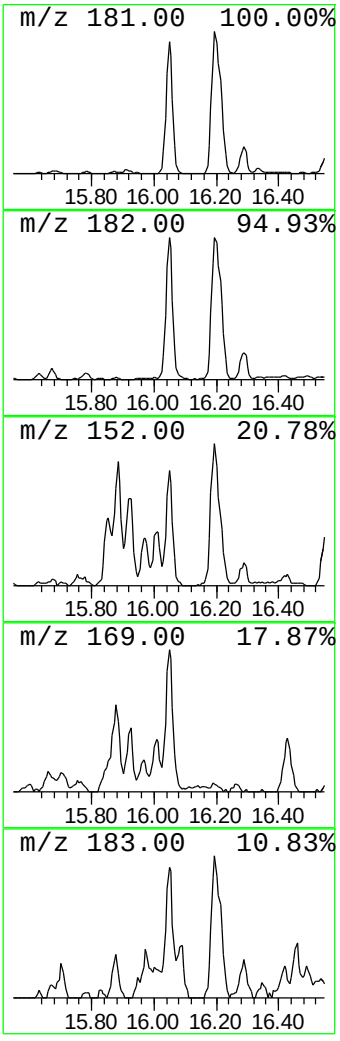
Peak Number 18 9H-Fluoren-9-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	5.54 ng/ul	247192	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64





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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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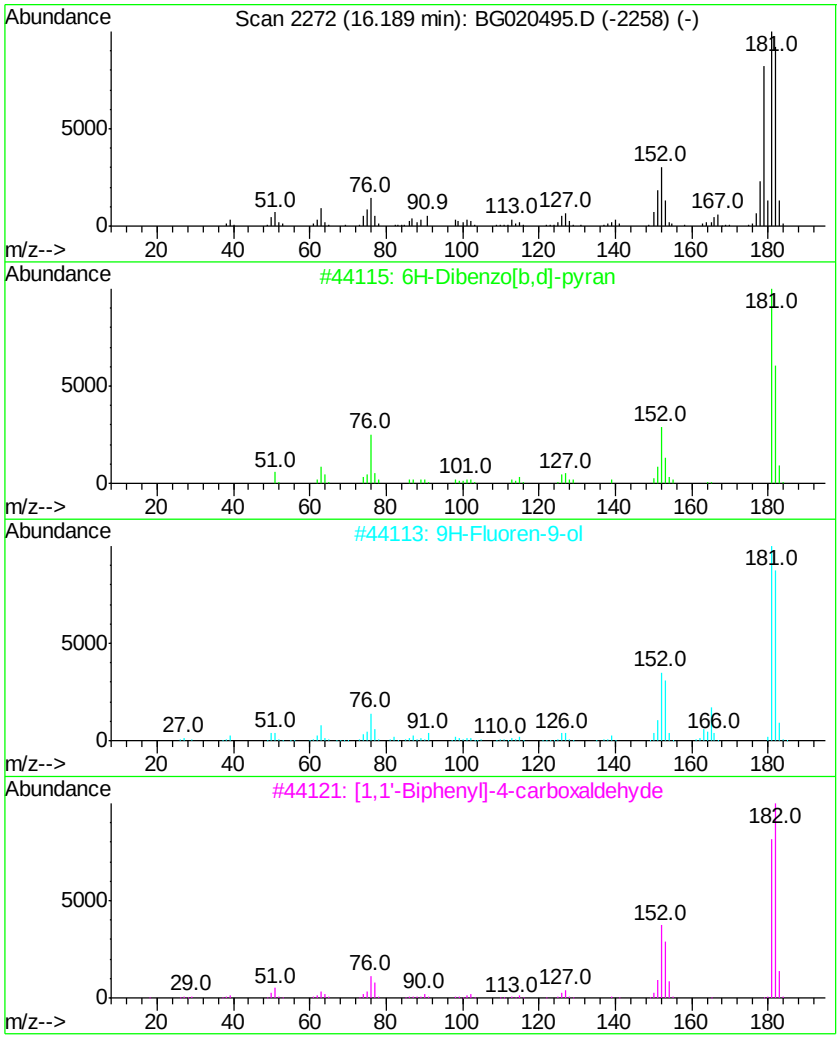
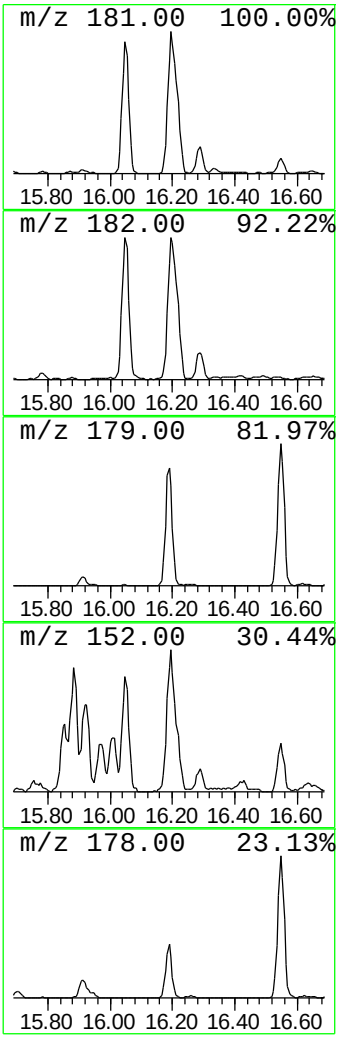
Peak Number 19 6H-Dibenzo[b,d]-pyran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	10.77 ng/ul	511240	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	76
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	70
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	53





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Quant Title : SVOA CALIBRATION

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

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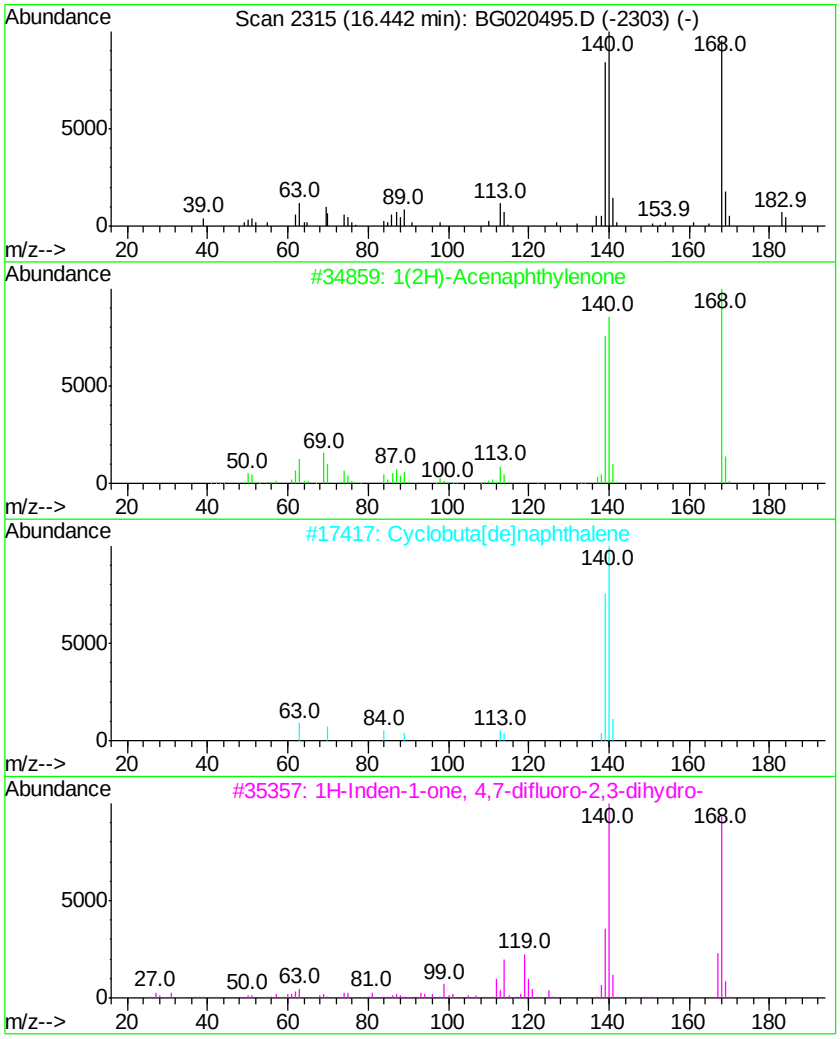
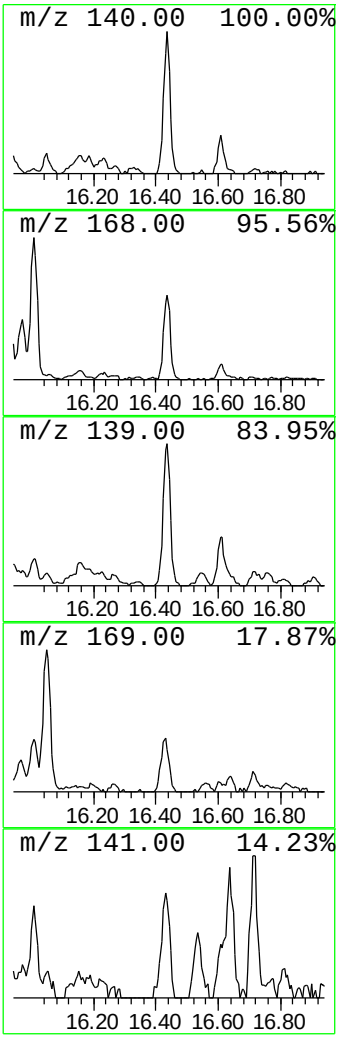
Peak Number 20 1(2H)-Acenaphthylenone Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.26 ng/ul	107204	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	53
3	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	52
4	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	50
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	47





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Quant Title : SVOA CALIBRATION

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

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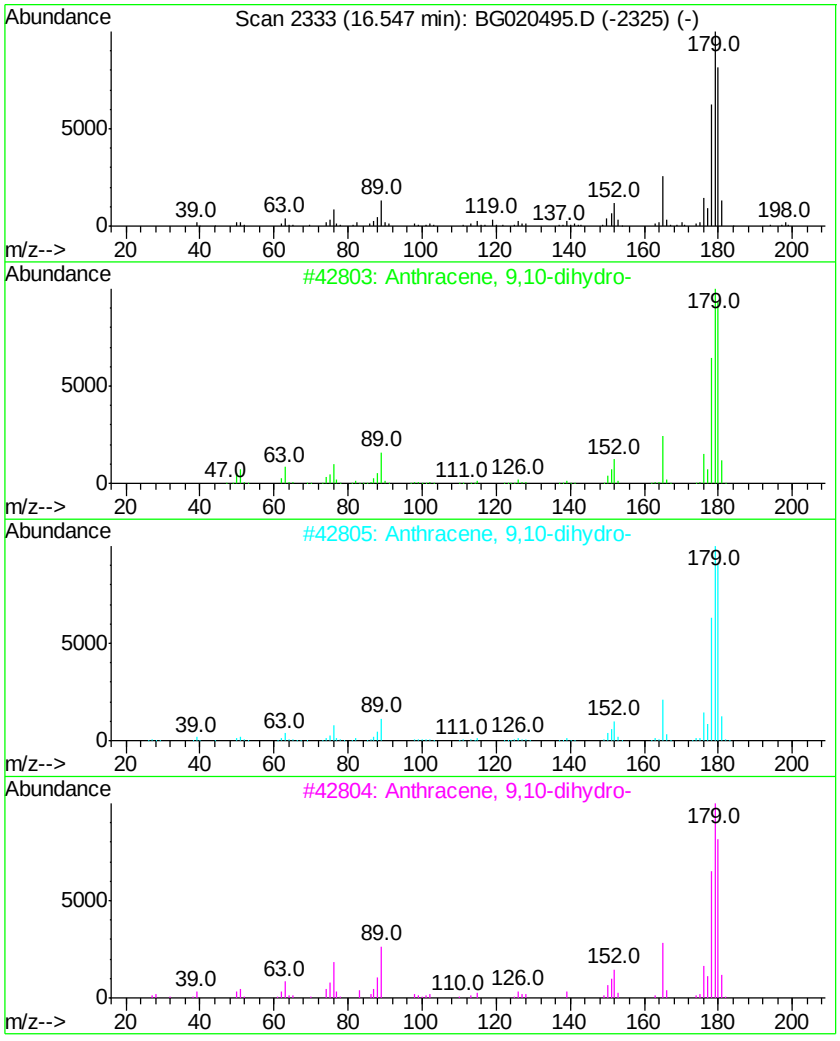
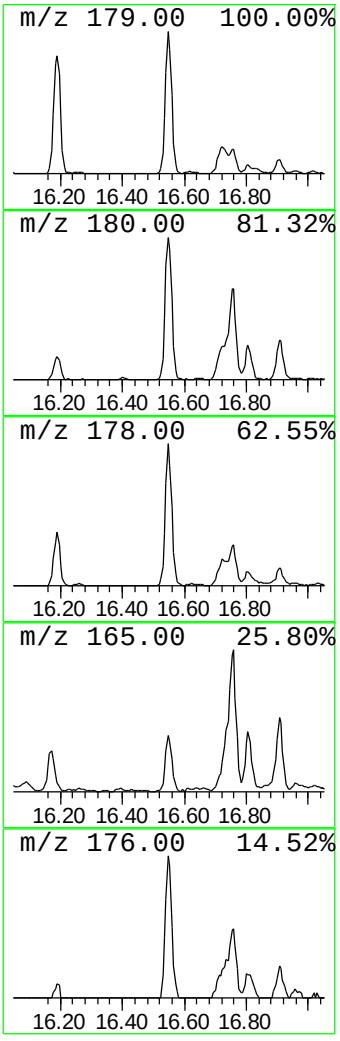
Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	4.92 ng/ul	233615	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90





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Quant Title : SVOA CALIBRATION

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

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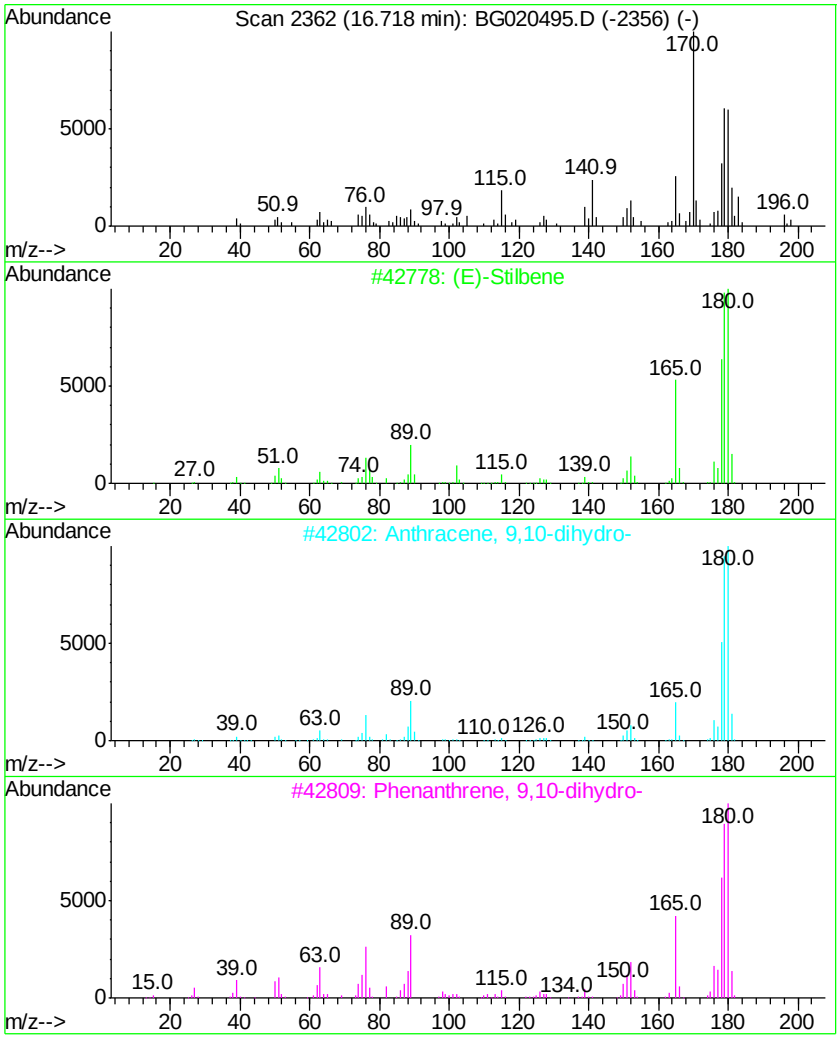
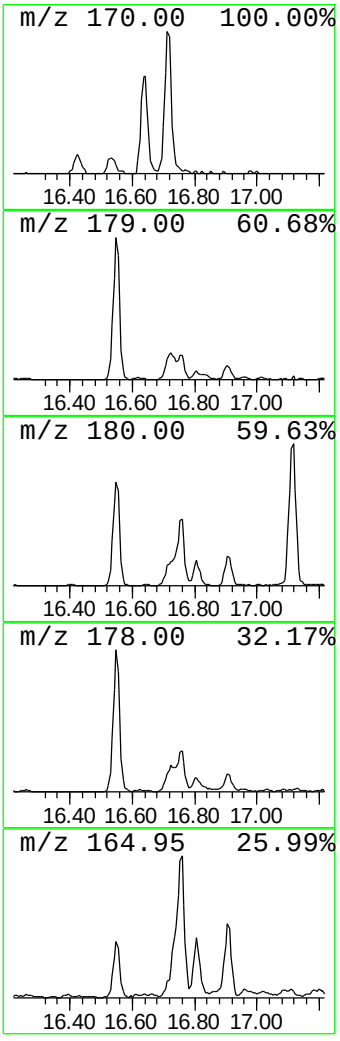
Peak Number 22 unknown-02 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	3.21 ng/ul	152361	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Stilbene	180	C14H12	000103-30-0	38
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	38
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	38
4	cis-Stilbene	180	C14H12	000645-49-8	38
5	cis-Stilbene	180	C14H12	000645-49-8	38





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Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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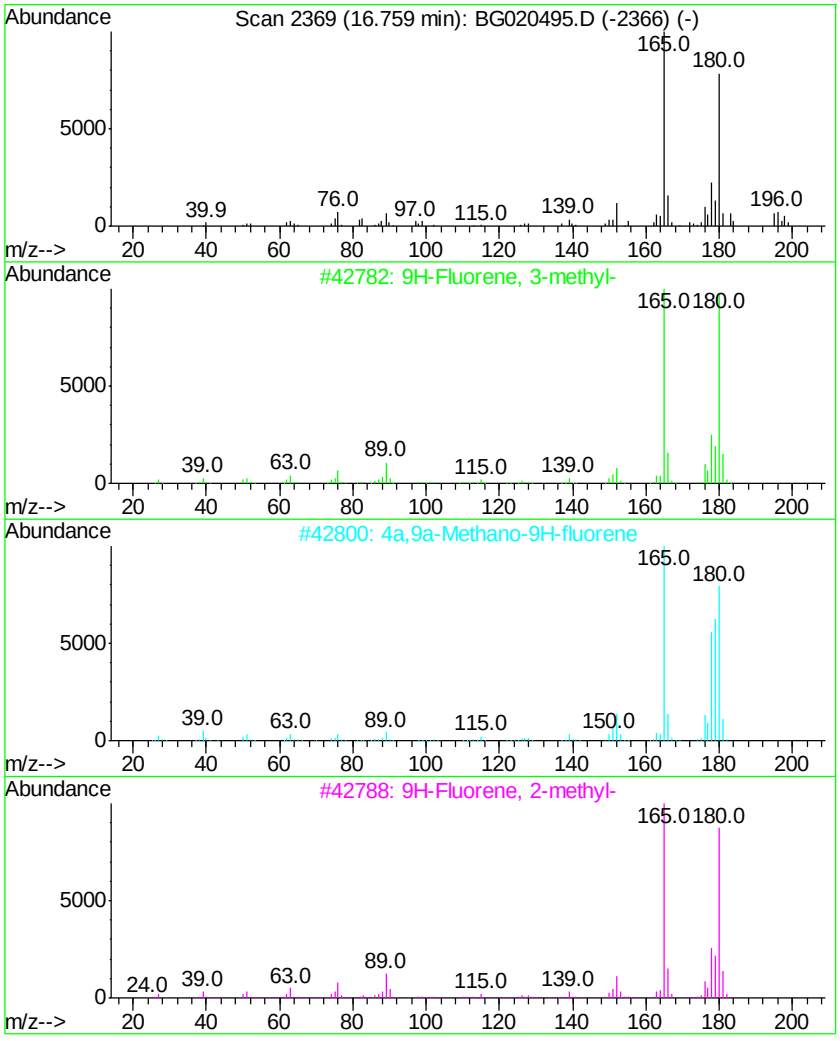
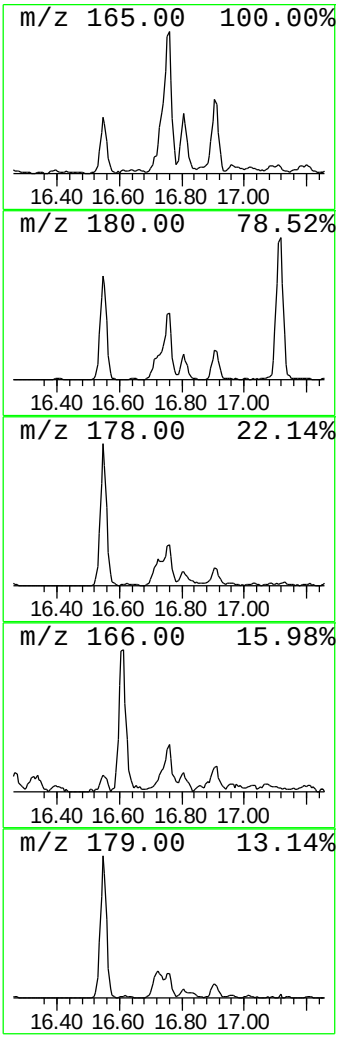
Peak Number 23 9H-Fluorene, 3-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.01 ng/ul	142901	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	68
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	68
4	Thiazolo[5,4-d]pyrimidine, 5-(et...	180	C7H8N4S	019835-21-3	64
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
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Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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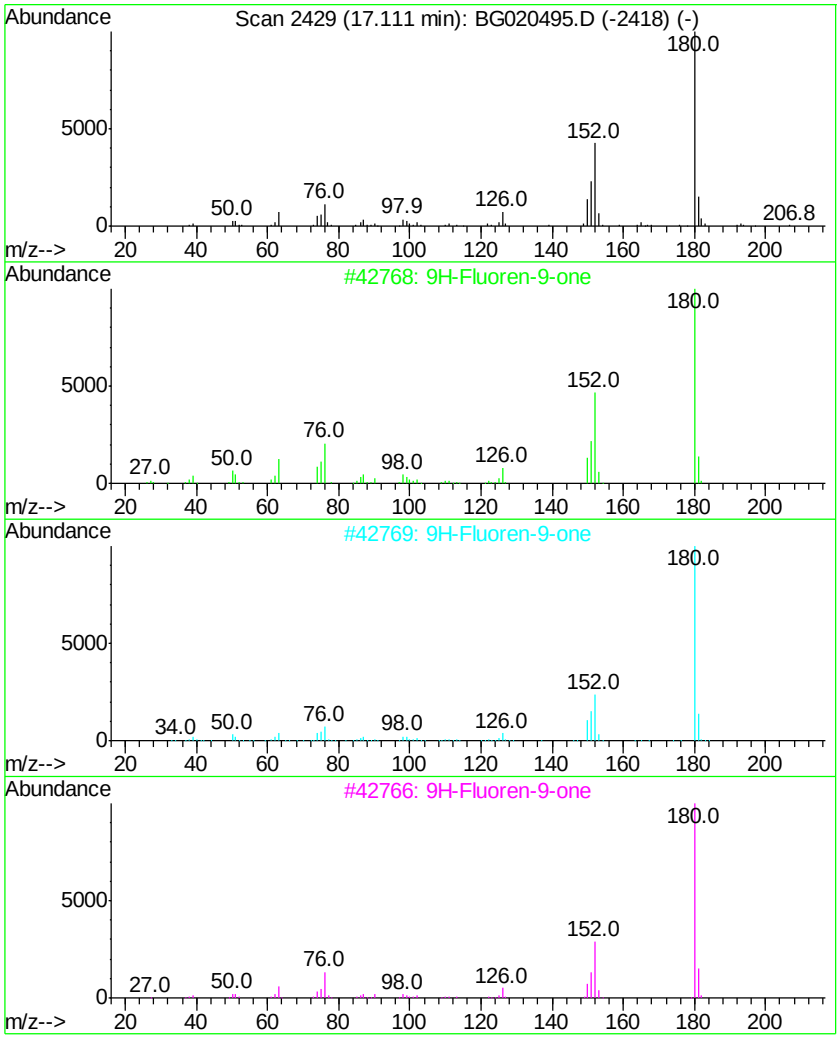
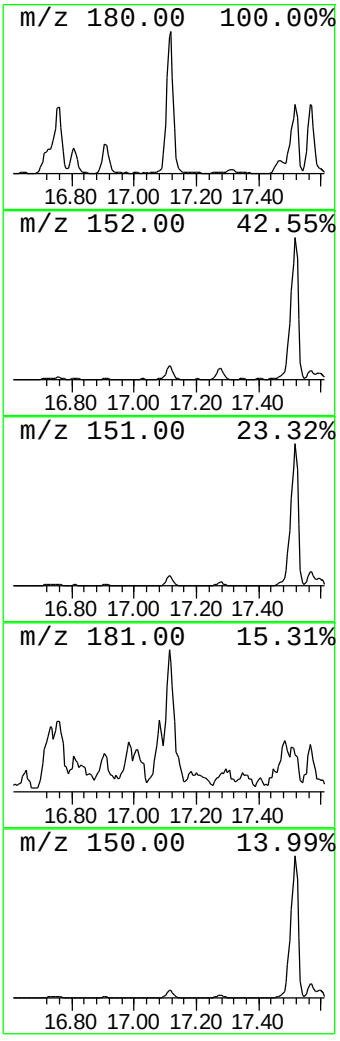
Peak Number 24 9H-Fluoren-9-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	4.24 ng/ul	201186	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86





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Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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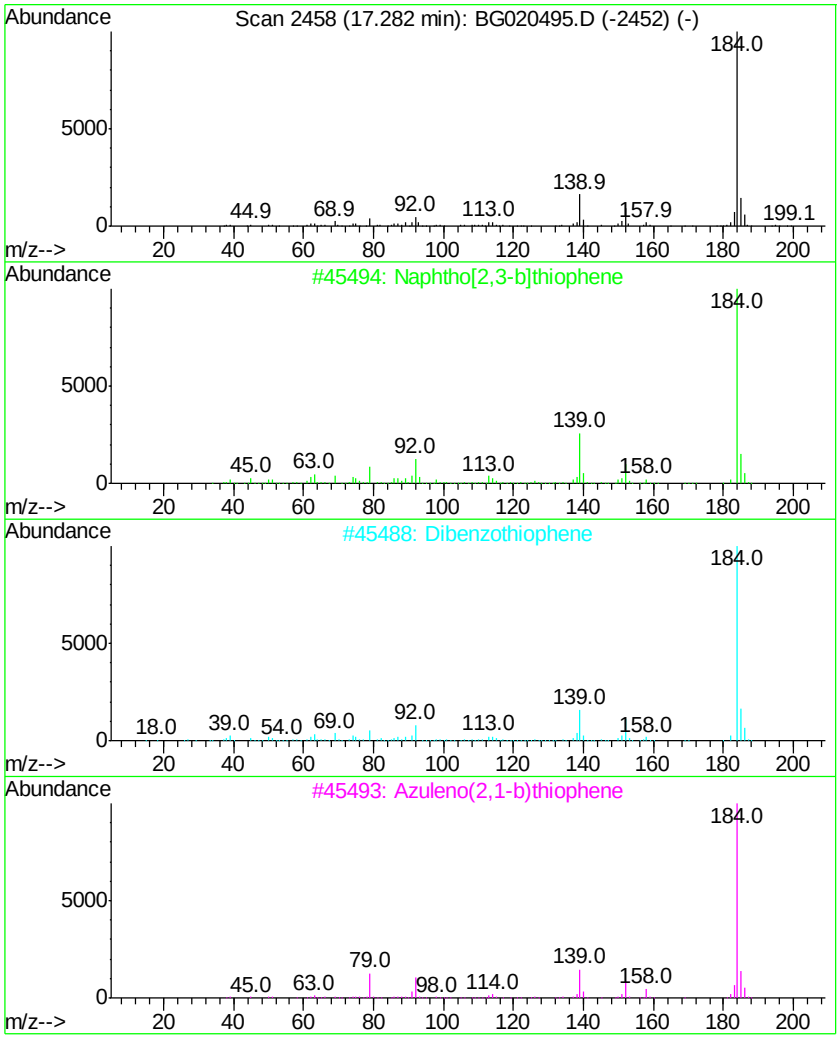
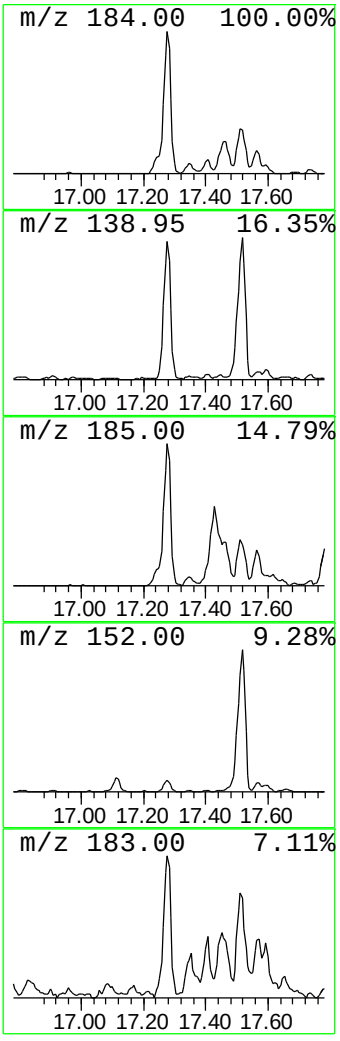
Peak Number 25 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	10.82 ng/ul	513571	Phenanthrene-d10	17.46

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





Library Search Compound Report

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Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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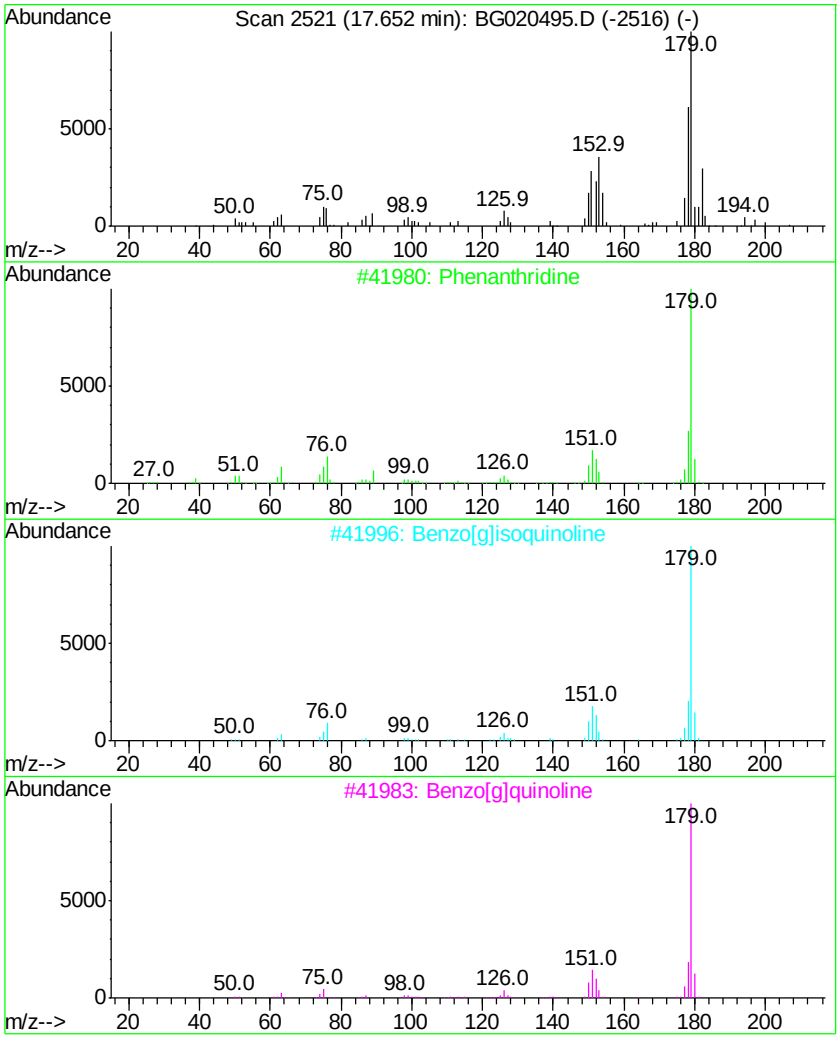
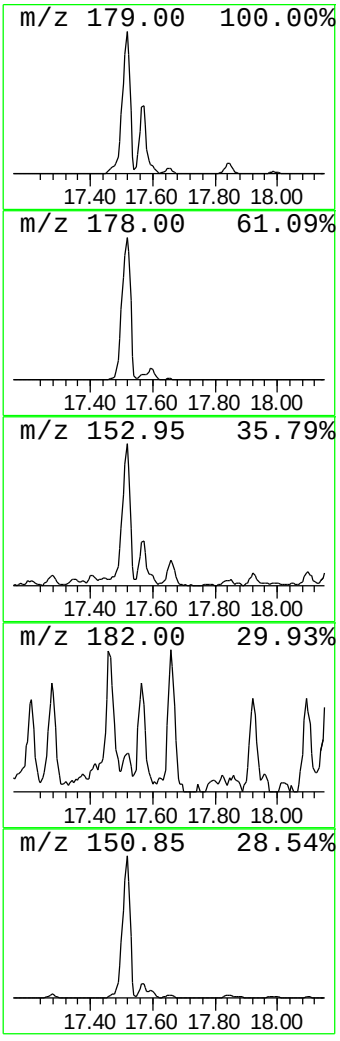
Peak Number 26 Phenanthridine Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.86 ng/ul	135720	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	70
2	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	60
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	60
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	58
5	Phenanthridine	179	C13H9N	000229-87-8	53





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Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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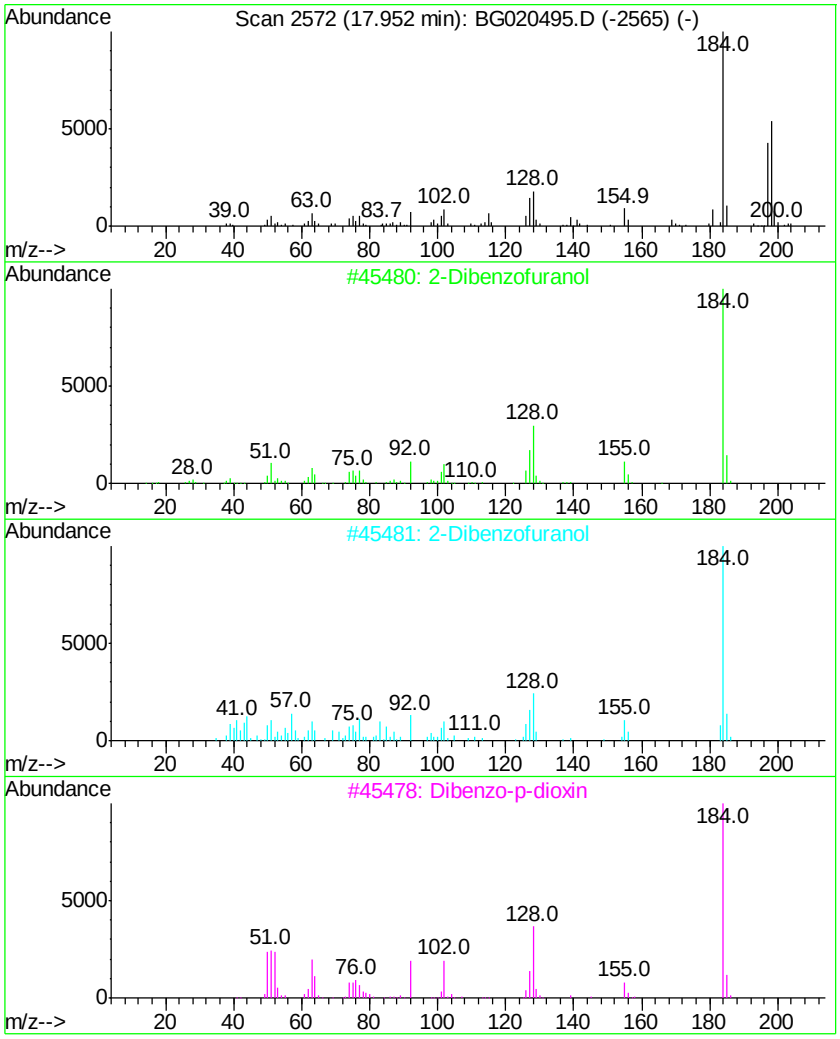
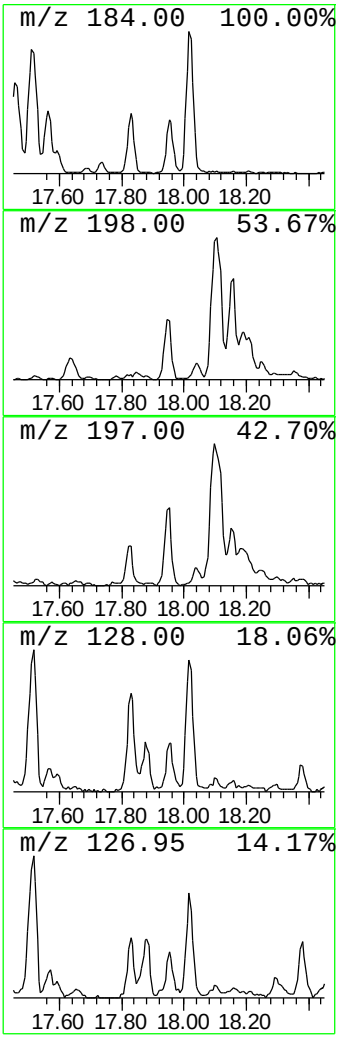
Peak Number 27 2-Dibenzofuranol Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.31 ng/ul	157028	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	89
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	55
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	55
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	50
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	43





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Acq On : 25 Dec 2015 5:43
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Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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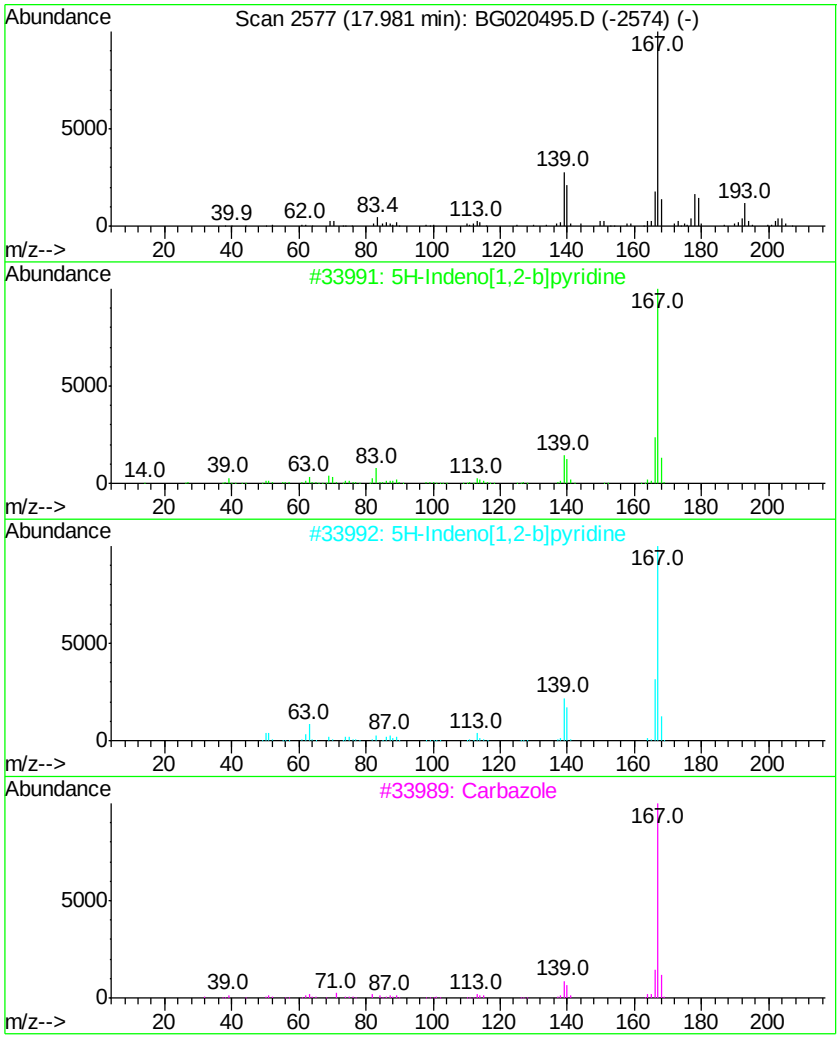
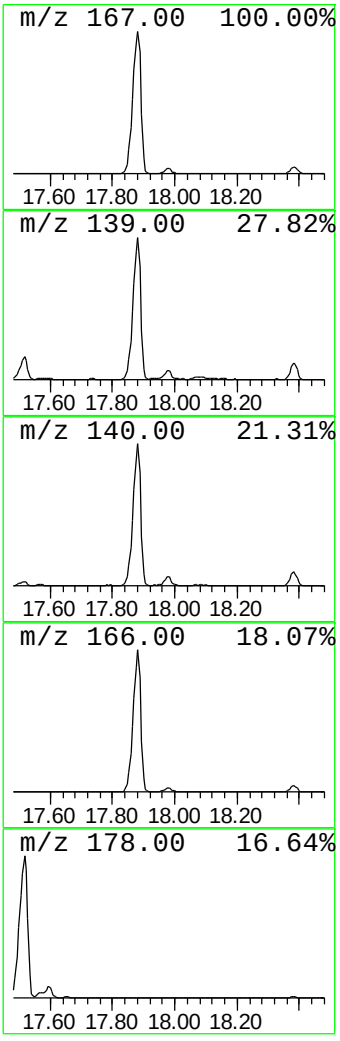
Peak Number 28 5H-Indeno[1,2-b]pyridine Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	3.88 ng/ul	184335	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	70
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	68
3	Carbazole	167	C12H9N	000086-74-8	60
4	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	59
5	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	59





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Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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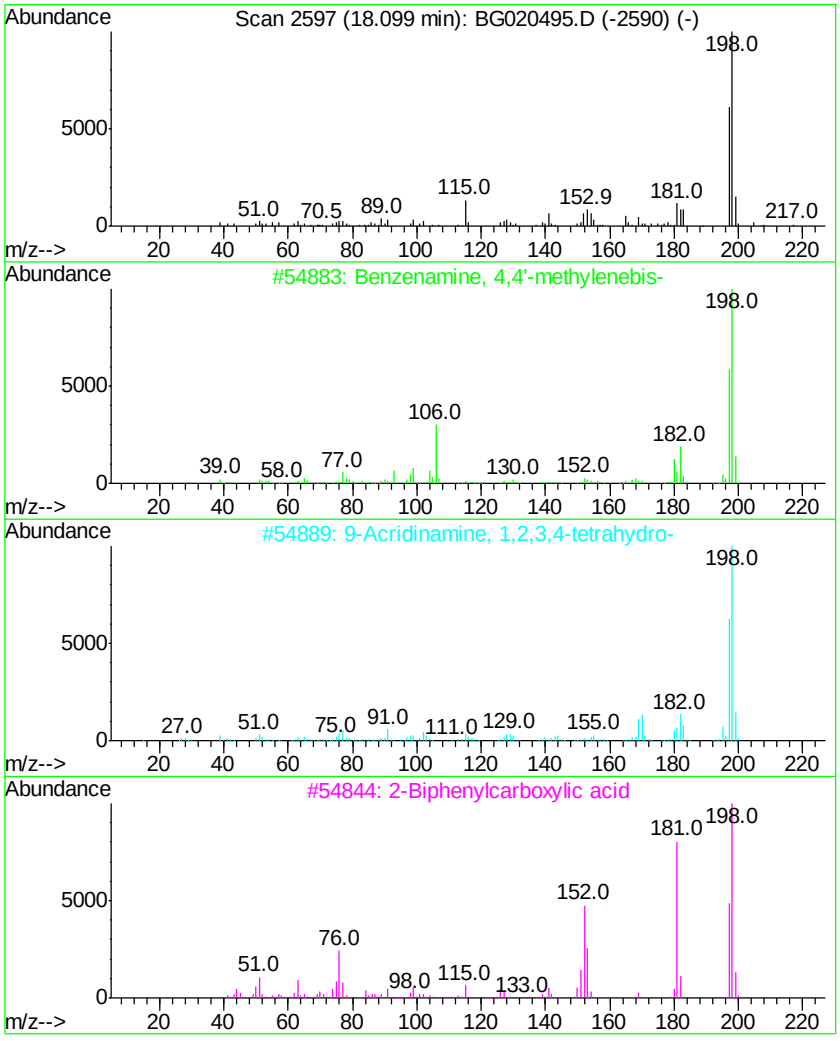
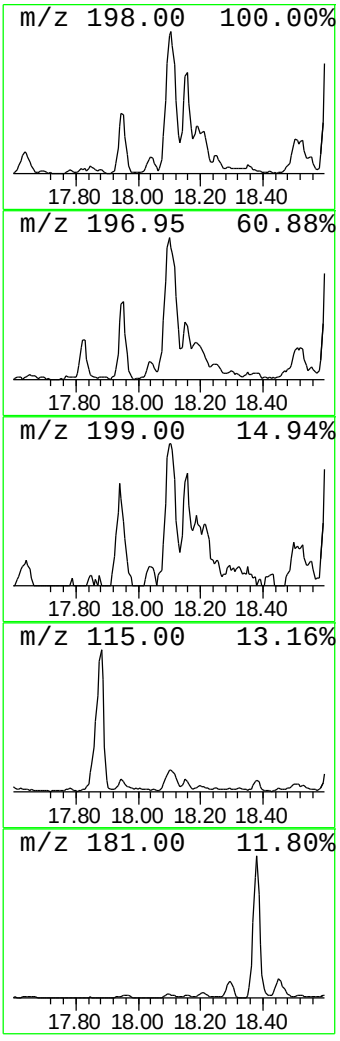
Peak Number 30 Benzenamine, 4,4'-methylene... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.83 ng/ul	229160	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78
3	2-Biphenylcarboxylic acid	198	C13H10O2	000947-84-2	72
4	2-Biphenylcarboxylic acid	198	C13H10O2	000947-84-2	72
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64





Tentatively Identified Compound (LSC) summary

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Data File : BG020495.D
Acq On : 25 Dec 2015 5:43
Operator : UM/SJ
Sample : G4846-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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, 1,3-dime...	5.69	6.1	ng/ul	82780	1	8.08	272146	20.0
Indane	8.45	32.8	ng/ul	446886	1	8.08	272146	20.0
Indene	8.62	99.9	ng/ul	1359960	1	8.08	272146	20.0
Naphthalene, 1-me...	12.78	2.5	ng/ul	2905380	2	10.92	23333500	20.0
Naphthalene, 1-et...	13.74	7.1	ng/ul	316767	3	14.71	892460	20.0
Naphthalene, 2,6-...	13.89	10.3	ng/ul	458800	3	14.71	892460	20.0
Naphthalene, 2,3-...	14.03	12.0	ng/ul	533676	3	14.71	892460	20.0
1-Naphthalenecarb...	14.86	32.2	ng/ul	1435960	3	14.71	892460	20.0
unknown-01	15.02	2.9	ng/ul	128948	3	14.71	892460	20.0
1-Isopropenylnaph...	15.88	4.6	ng/ul	206391	3	14.71	892460	20.0
Acetamide, N-cycl...	15.92	5.8	ng/ul	257095	3	14.71	892460	20.0
1,1'-Biphenyl, 4-...	16.01	2.3	ng/ul	102758	3	14.71	892460	20.0
9H-Fluoren-9-ol	16.05	5.5	ng/ul	247192	3	14.71	892460	20.0
6H-Dibenzo[b,d]-p...	16.19	10.8	ng/ul	511240	4	17.46	949512	20.0
1(2H)-Acenaphthyl...	16.44	2.3	ng/ul	107204	4	17.46	949512	20.0
Anthracene, 9,10-...	16.55	4.9	ng/ul	233615	4	17.46	949512	20.0
unknown-02	16.72	3.2	ng/ul	152361	4	17.46	949512	20.0
9H-Fluorene, 3-me...	16.76	3.0	ng/ul	142901	4	17.46	949512	20.0
9H-Fluoren-9-one	17.11	4.2	ng/ul	201186	4	17.46	949512	20.0
Naphtho[2,3-b]thi...	17.28	10.8	ng/ul	513571	4	17.46	949512	20.0
Phenanthridine	17.65	2.9	ng/ul	135720	4	17.46	949512	20.0
2-Dibenzofuranol	17.95	3.3	ng/ul	157028	4	17.46	949512	20.0
5H-Indeno[1,2-b]p...	17.98	3.9	ng/ul	184335	4	17.46	949512	20.0
Benzenamine, 4,4'...	18.10	4.8	ng/ul	229160	4	17.46	949512	20.0