LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	41	47	56	rBV2	24589	45978	2.10%	0.235%
2	3.192	56	60	65	rVB	14583	19645	0.90%	0.101%
3	7.240	742	749	758	rBV	82612	139713	6.38%	0.715%
4	7.411	771	778	786	rBV	69392	111297	5.08%	0.569%
5	7.616	807	813	821	rVB	87181	143199	6.54%	0.733%
6	8.092	887	894	901	rBV	65988	107915	4.93%	0.552%
7	8.627	979	985	993	rBV	19520	33507	1.53%	0.171%
8	8.791	1006	1013	1021	rBV2	112876	190665	8.70%	0.976%
9	9.256	1084	1092	1101	rVB	86226	152073	6.94%	0.778%
10	9.984	1209	1216	1224	rBB	75838	136269	6.22%	0.697%
11	10.519	1300	1307	1314	rBV	123079	217224	9.92%	1.111%
12	10.907	1366	1373	1377	rBV	95942	176735	8.07%	0.904%
13	10.959	1377	1382	1389	rVB	440009	777408	35.49%	3.978%
14	11.036	1389	1395	1401	rBV	110926	205398	9.38%	1.051%
15	12.558	1646	1654	1661	rBV	252341	407643	18.61%	2.086%
16	12.775	1680	1691	1701	rVB	117123	198534	9.06%	1.016%
17	13.556	1817	1824	1831	rBV	84838	130093	5.94%	0.666%
18	13.750	1851	1857	1868	rVB	27506	48191	2.20%	0.247%
19	13.897	1872	1882	1889	rBB3	35470	93720	4.28%	0.480%
20	14.044	1900	1907	1912	rBV2	51885	93575	4.27%	0.479%
21	14.120	1912	1920	1925	rVV	256674	413915	18.89%	2.118%
22	14.167	1925	1928	1934	rVB	66368	86959	3.97%	0.445%
23	14.279	1942	1947	1951	rBV	22735	34195	1.56%	0.175%
24	14.420	1964	1971	1982	rVB	257450	456682	20.85%	2.337%
25	14.690	2010	2017	2018	rBV	35221	42600	1.94%	0.218%
26	14.726	2018	2023	2028	rVV2	174952	281314	12.84%	1.439%
27	14.790	2028	2034	2040	rVV	484729	759969	34.69%	3.889%
28	14.849	2040	2044	2048	rVV	19633	28405	1.30%	0.145%
29	14.908	2048	2054	2064	rVV2	105358	178716	8.16%	0.914%
30	15.031	2064	2075	2079	rVV2	18032	37553	1.71%	0.192%
31	15.119	2083	2090	2098	rVV	336916	517094	23.60%	2.646%
32	15.190	2098	2102	2111	rVB4	13427	24833	1.13%	0.127%
33	15.548	2159	2163	2167	rVB2	20986	27687	1.26%	0.142%
34	15.713	2181	2191	2196	rVV	359319	566356	25.85%	2.898%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	15.771	2196	2201	2206	rVV	437689	663859	30.30%	3.397%
36	15.824	2206	2210	2214	rVV	101917	153578	7.01%	0.786%
37	15.889	2218	2221	2224	rVV3	29837	46445	2.12%	0.238%
38	15.930	2224	2228	2233	rVV3	57987	100425	4.58%	0.514%
39	15.977	2233	2236	2239	rVV3	12827	22012	1.00%	0.113%
40	16.018	2239	2243	2246	rVV	26895	42723	1.95%	0.219%
41	16.059	2246	2250	2255	rVV	61423	90662	4.14%	0.464%
42	16.206	2266	2275	2283	rVV	64469	139402	6.36%	0.713%
43	16.294	2283	2290	2296	rVB3	10267	20729	0.95%	0.106%
44	16.406	2304	2309	2312	rBV2	23209	32794	1.50%	0.168%
45	16.559	2330	2335	2341	rVV	31077	44683	2.04%	0.229%
46	16.770	2359	2371	2375	rBV2	47323	106217	4.85%	0.543%
47	16.817	2375	2379	2385	rVV3	19693	33279	1.52%	0.170%
48	16.917	2391	2396	2401	rVV4	20892	33259	1.52%	0.170%
49	16.994	2401	2409	2412	rVV2	15559	34635	1.58%	0.177%
50	17.035	2412	2416	2420	rVV3	18641	32601	1.49%	0.167%
51	17.117	2426	2430	2437	rVB6	11762	21598	0.99%	0.111%
52	17.199	2437	2444	2450	rBV6	25893	63276	2.89%	0.324%
53	17.287	2453	2459	2467	rVB	101928	156858	7.16%	0.803%
54	17.469	2483	2490	2493	rVV	237359	390526	17.83%	1.998%
55	17.516	2493	2498	2503	rVV	1406276	2190771	100.00%	11.209%
56	17.569	2503	2507	2510	rVV	429502	631543	28.83%	3.231%
57	17.599	2510	2512	2517	rVV	133357	175997	8.03%	0.901%
58	17.863	2552	2557	2567	rVV	90788	152683	6.97%	0.781%
59	17.981	2573	2577	2582	rVV2	21813	35111	1.60%	0.180%
60	18.045	2585	2588	2597	rVV5	9426	19029	0.87%	0.097%
61	18.339	2633	2638	2642	rBV	99441	141635	6.47%	0.725%
62	18.386	2642	2646	2653	rVB	122111	179201	8.18%	0.917%
63	18.468	2653	2660	2665	rBV	42737	63314	2.89%	0.324%
64	18.539	2665	2672	2676	rBV3	177636	301189	13.75%	1.541%
65	18.833	2717	2722	2727	rVV	75712	105235	4.80%	0.538%
66	19.079	2759	2764	2768	rVB2	13912	18099	0.83%	0.093%
67	19.250	2787	2793	2798	rBV2	23729	47198	2.15%	0.241%
68	19.314	2798	2804	2807	rBV4	12490	19087	0.87%	0.098%
69	19.514	2830	2838	2844	rBV	860374	1234558	56.35%	6.317%
70	19.608	2851	2854	2858	rVB2	14814	19164	0.87%	0.098%
71	19.755	2873	2879	2888	rVB3	26262	48148	2.20%	0.246%

LSC Area Percent Report

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Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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	19.849	2888	2895	2898	rBV2	663053	1103351	50.36%	5.646%
73	19.878	2898	2900	2907	rVB	558984	677635	30.93%	3.467%
74	19.943	2907	2911	2918	rVB3	27532	42795	1.95%	0.219%
75	20.049	2924	2929	2934	rVB	30969	42950	1.96%	0.220%
76	20.190	2948	2953	2954	rBV	26942	39176	1.79%	0.200%
77	20.249	2960	2963	2968	rVB	17455	23059	1.05%	0.118%
78	20.366	2970	2983	2988	rVB	93705	167136	7.63%	0.855%
79	20.460	2994	2999	3004	rBV	110546	155383	7.09%	0.795%
80	20.519	3004	3009	3013	rVV2	30836	55443	2.53%	0.284%
81	20.560	3013	3016	3020	rVV2	17357	21374	0.98%	0.109%
82	20.660	3028	3033	3037	rBV	13754	21673	0.99%	0.111%
83	20.707	3037	3041	3044	rBV	14043	19990	0.91%	0.102%
84	20.742	3044	3047	3052	rVB	20390	24906	1.14%	0.127%
85	21.083	3100	3105	3110	rBV4	10489	21448	0.98%	0.110%
86	21.312	3140	3144	3148	rVV	25971	38756	1.77%	0.198%
87	21.359	3148	3152	3156	rVV2	41648	66755	3.05%	0.342%
88	21.406	3156	3160	3165	rVV2	21323	43180	1.97%	0.221%
89	21.594	3184	3192	3199	rBV2	7782	18006	0.82%	0.092%
90	21.741	3207	3217	3222	rBV2	343030	790348	36.08%	4.044%
91	21.788	3222	3225	3233	rVB	99771	151954	6.94%	0.778%
92	21.941	3245	3251	3258	rVB2	25899	45431	2.07%	0.232%
93	22.152	3281	3287	3295	rVV2	12468	25078	1.14%	0.128%
94	22.475	3336	3342	3349	rVB2	9761	18484	0.84%	0.095%
95	23.968	3587	3596	3604	rBV2	27600	93302	4.26%	0.477%
96	24.708	3714	3722	3726	rBV3	11218	29612	1.35%	0.152%
97	24.790	3726	3736	3745	rBV	284805	775266	35.39%	3.967%
98	25.014	3762	3774	3784	rBV2	169120	490456	22.39%	2.510%
99	26.159	3962	3969	3976	rVB7	7567	18480	0.84%	0.095%
100	27.534	4196	4203	4214	rVB7	7810	25881	1.18%	0.132%

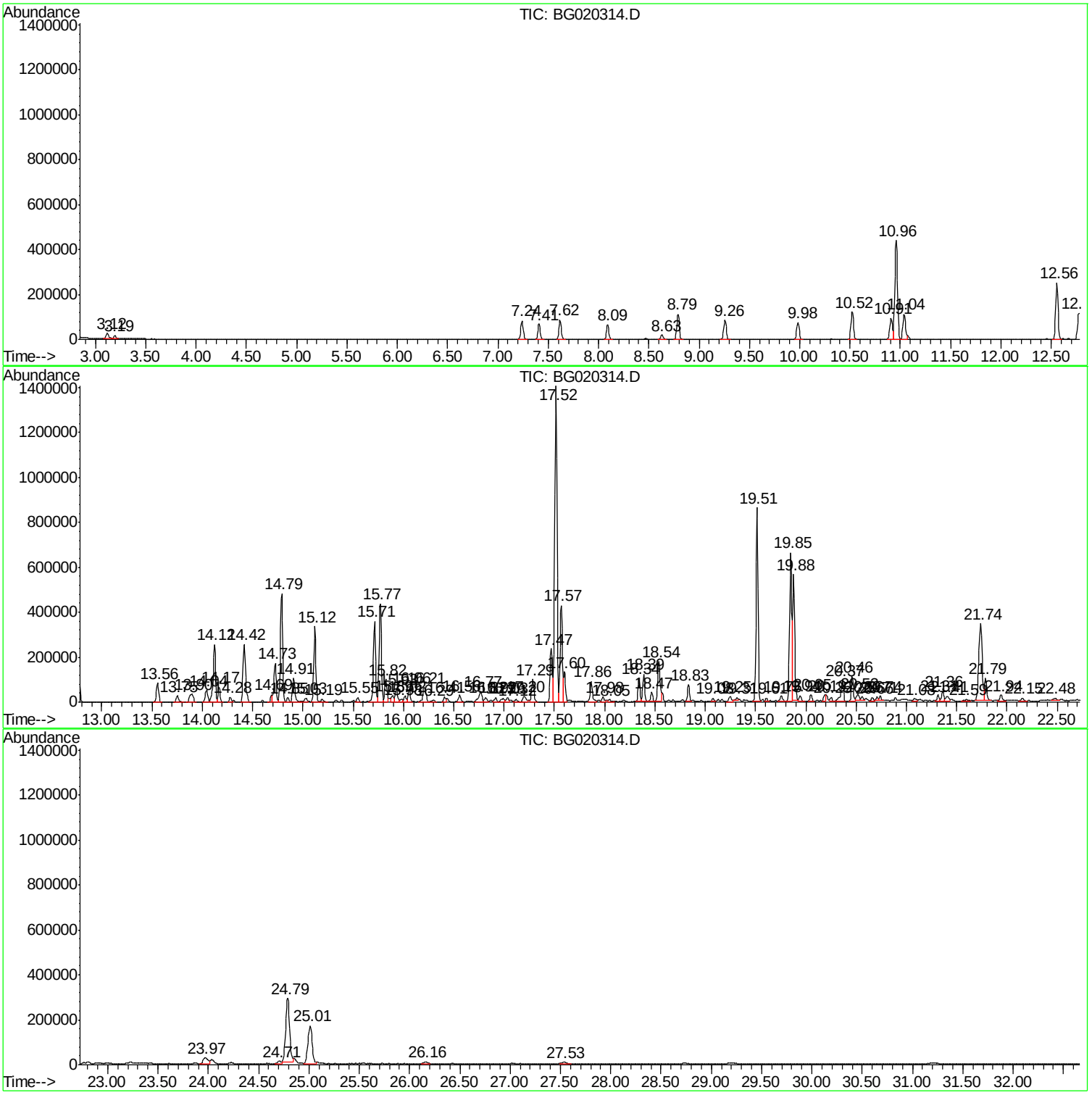
Sum of corrected areas: 19543891

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

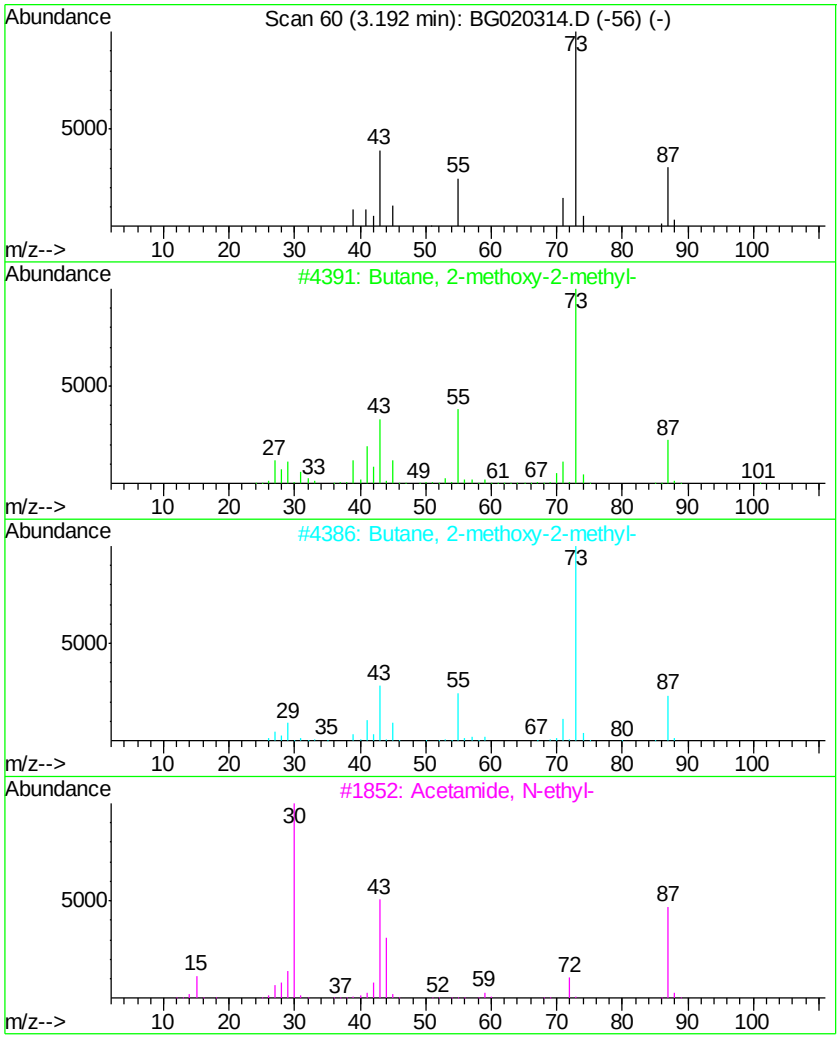
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

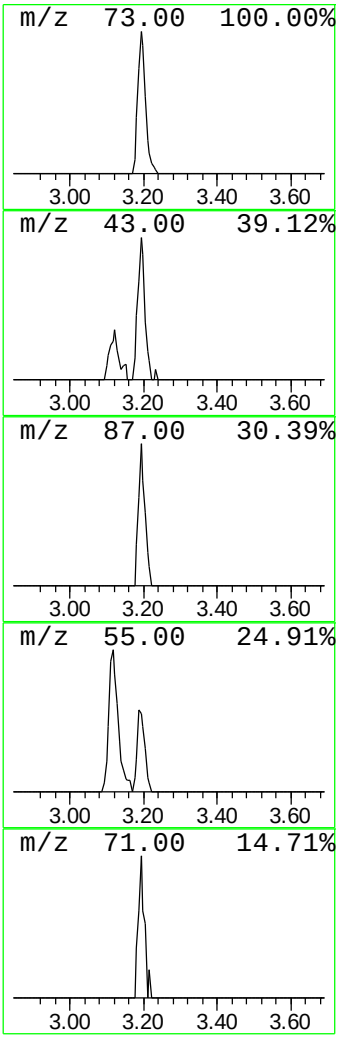
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	3.64 ng/ul	19645	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	7
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

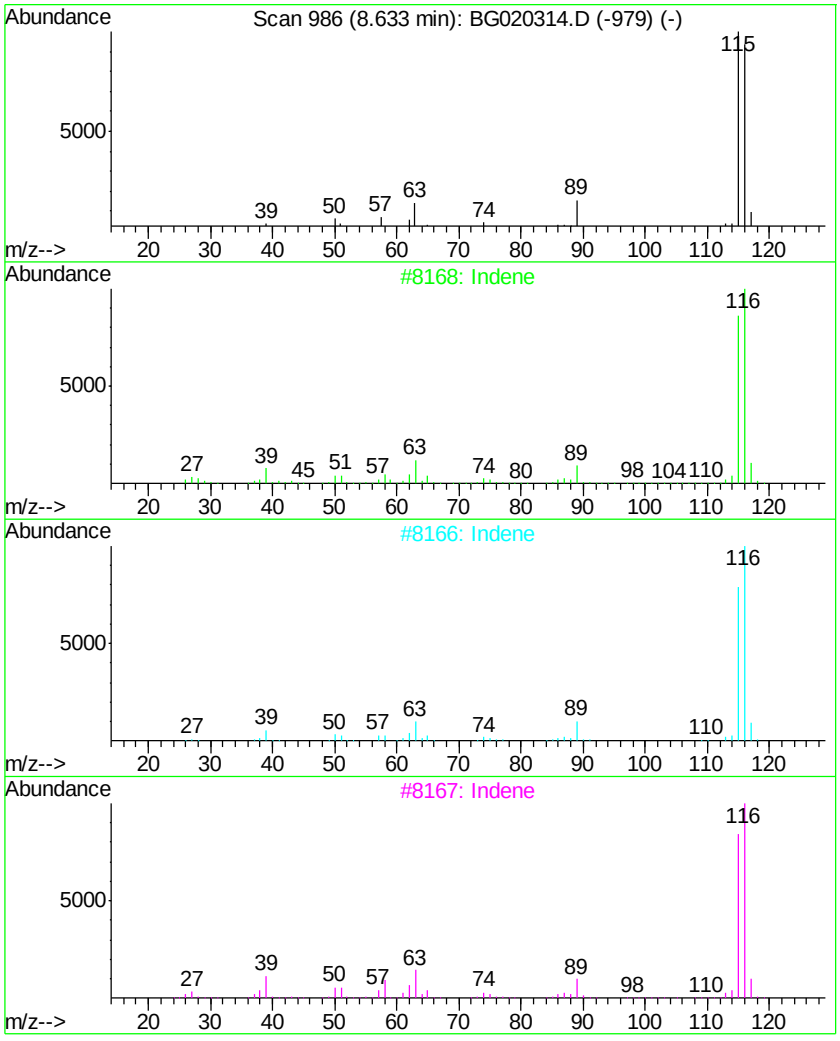
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

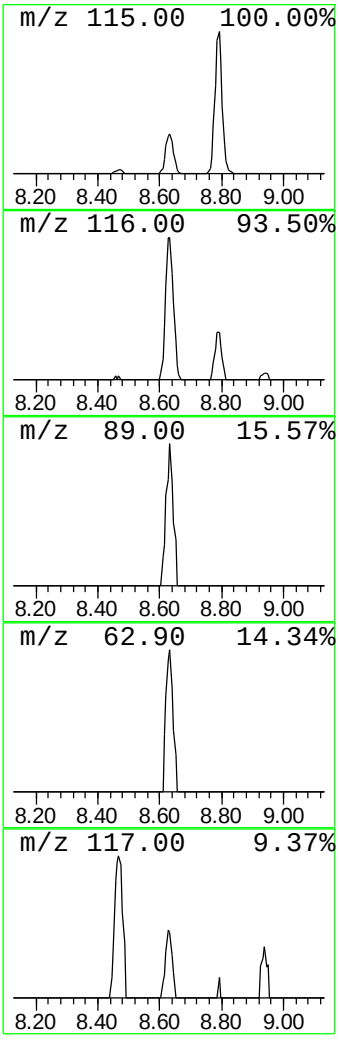
****

Peak Number 3 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	6.21 ng/ul	33507	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

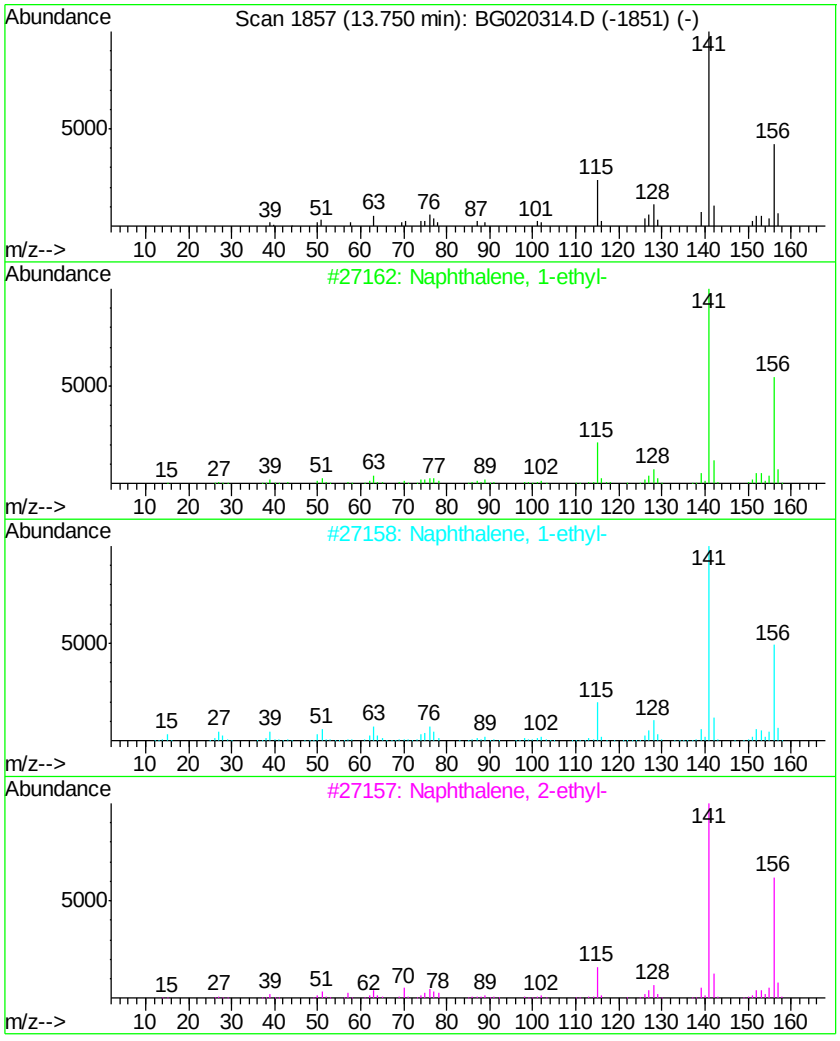
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

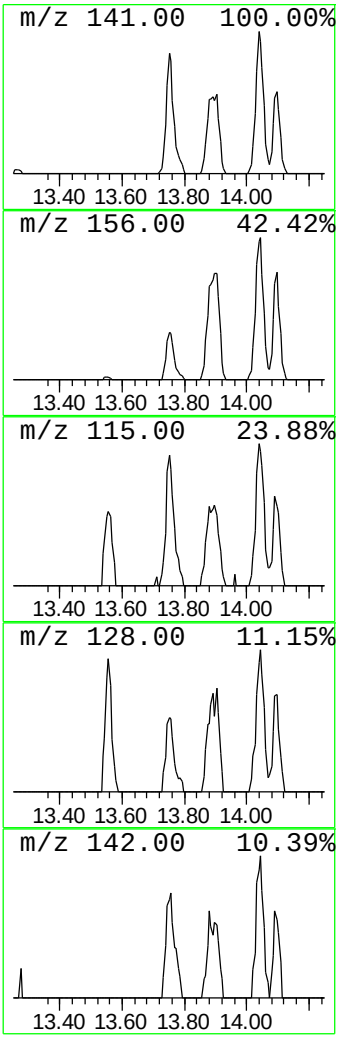
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.43 ng/ul	48191	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

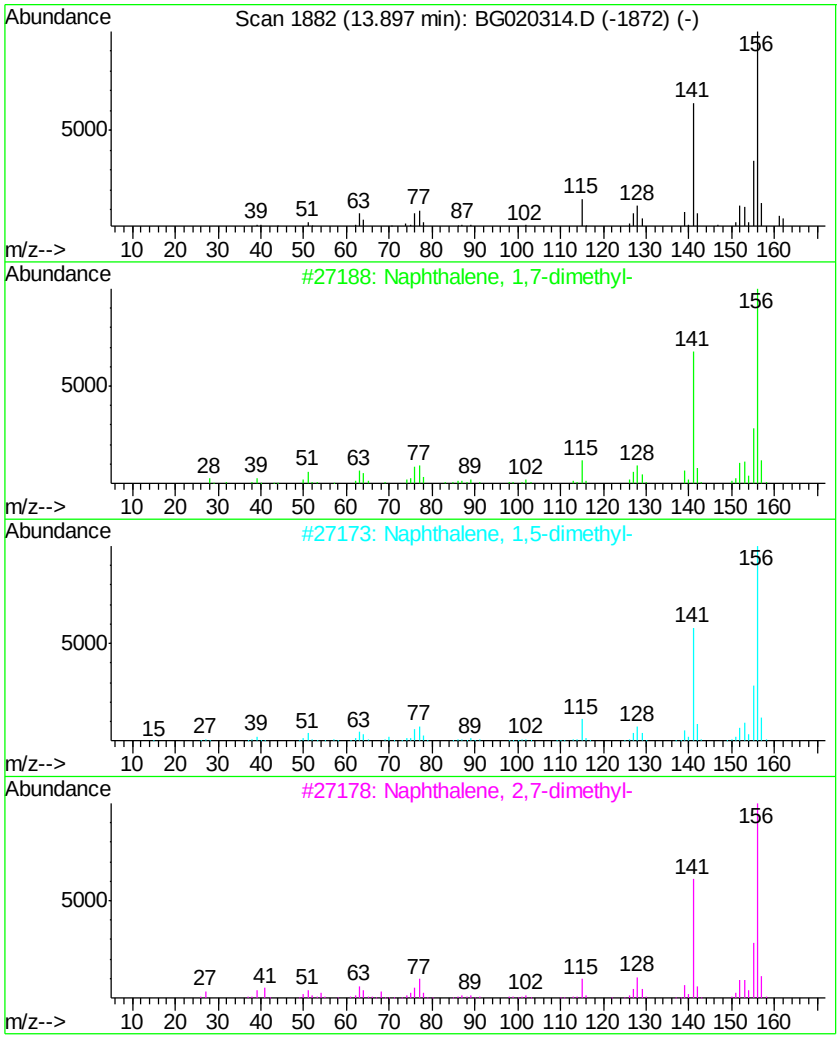
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

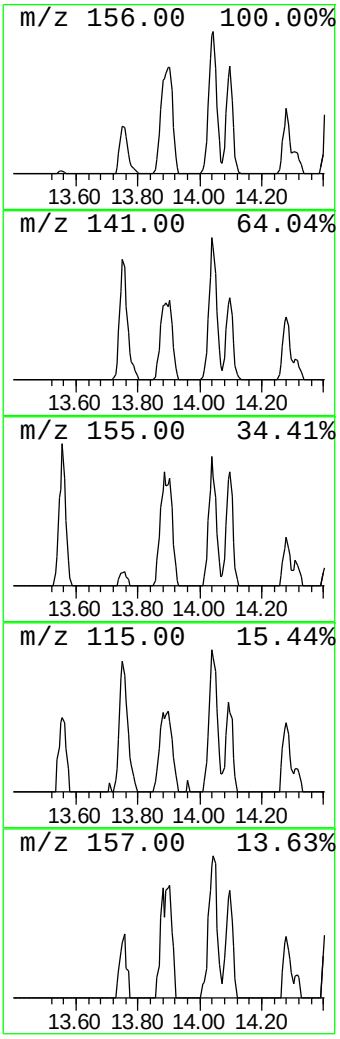
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	6.66 ng/ul	93720	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

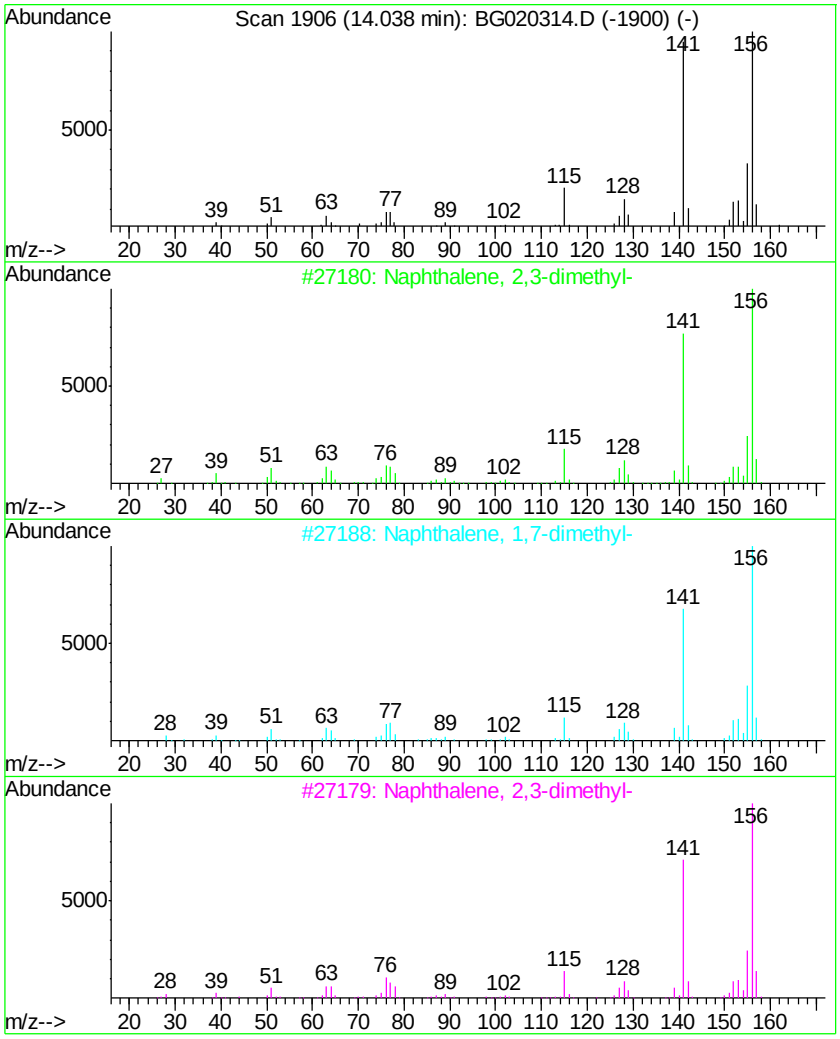
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

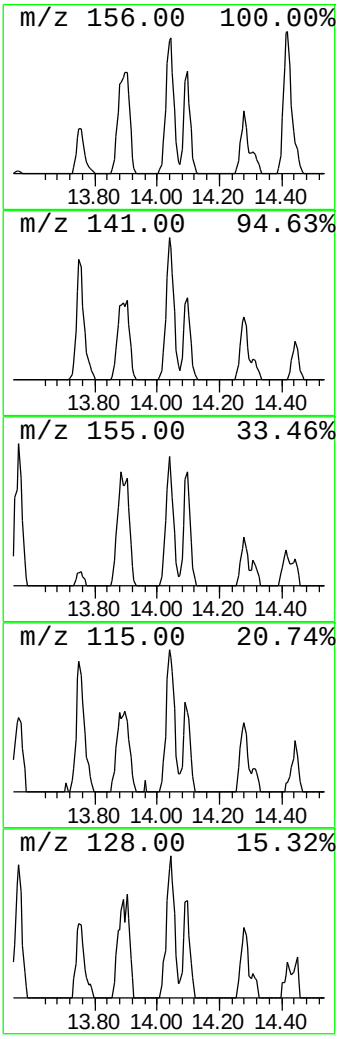
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	6.65 ng/ul	93575	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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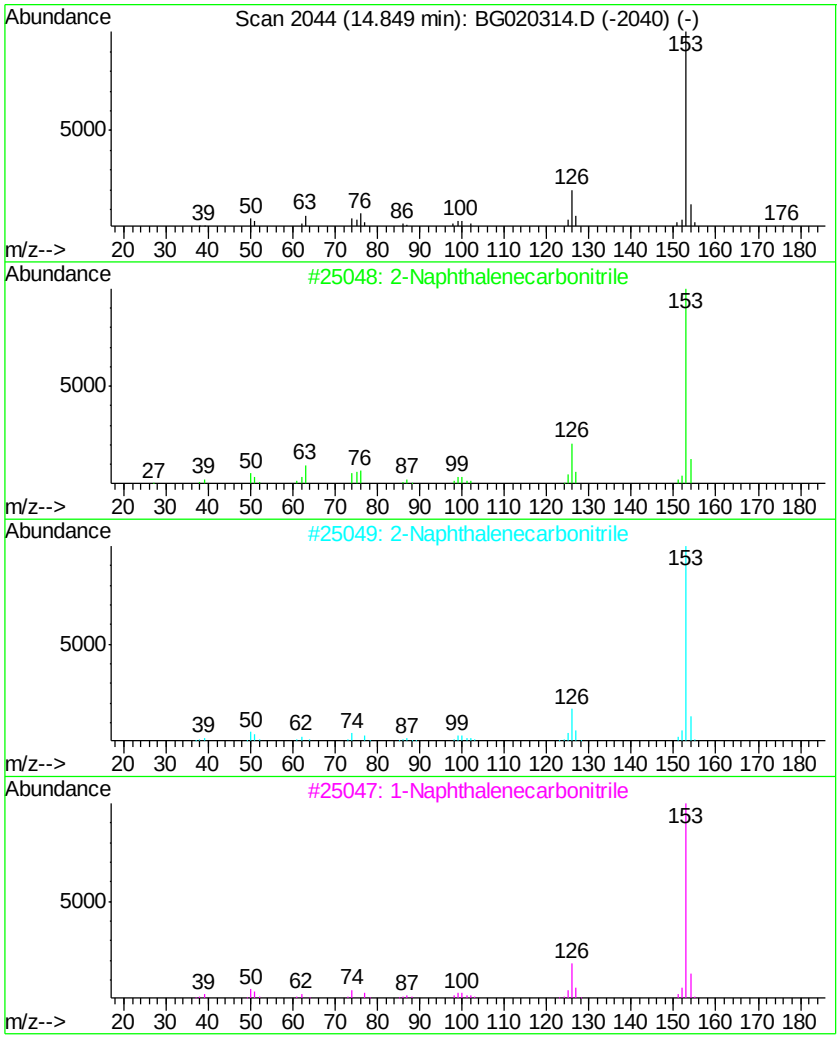
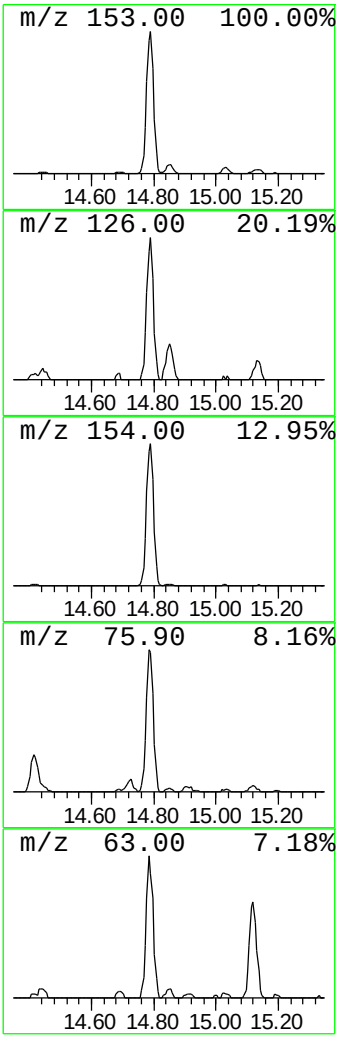
Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.02 ng/ul	28405	Acenaphthene-d10	14.73

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





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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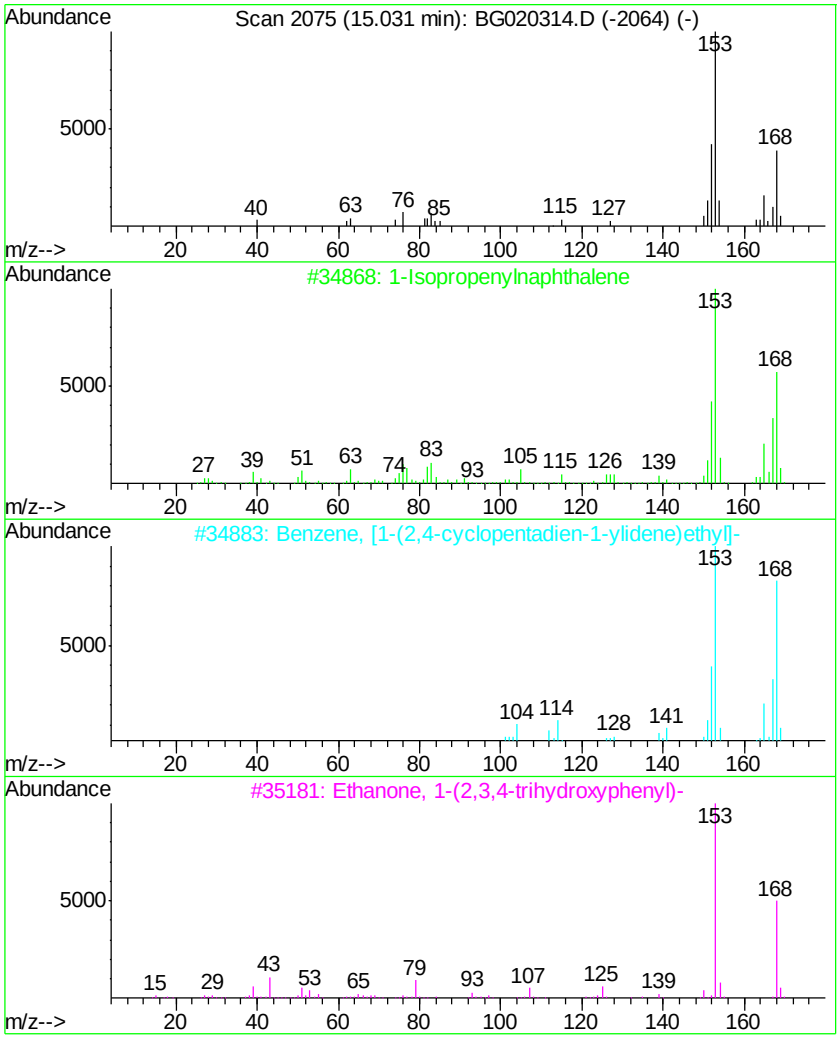
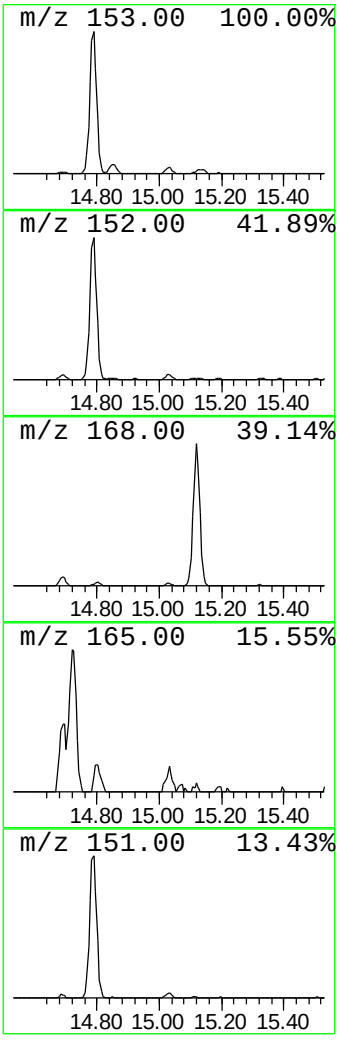
Peak Number 9 1-Isopropenylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.67 ng/ul	37553	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	52
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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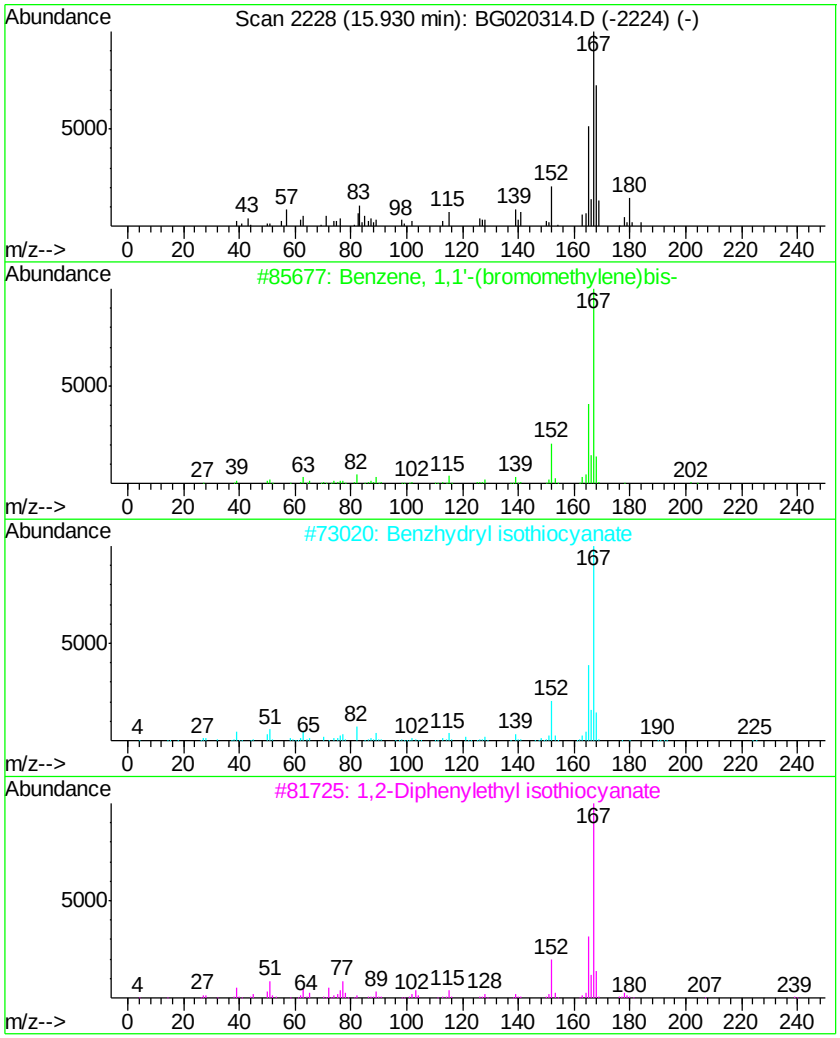
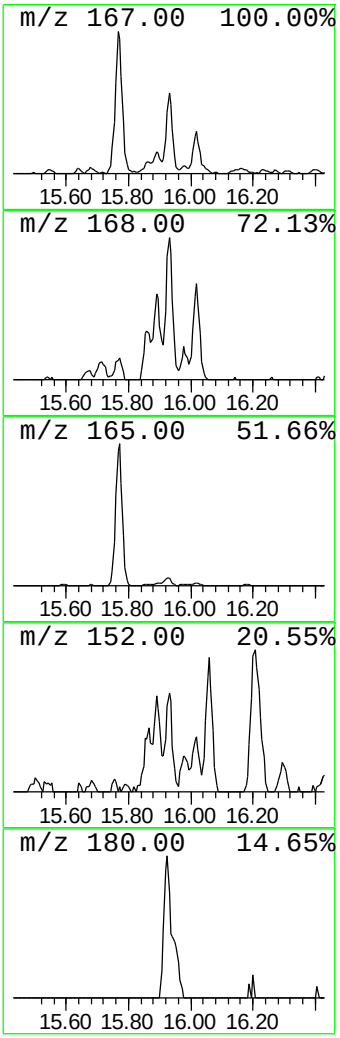
Peak Number 11 Benzene, 1,1'-(bromomethyle... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	7.14 ng/ul	100425	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	59
3	1,2-Diphenylethyl isothiocyanate	239	C15H13NS	1000134-54-2	50
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49





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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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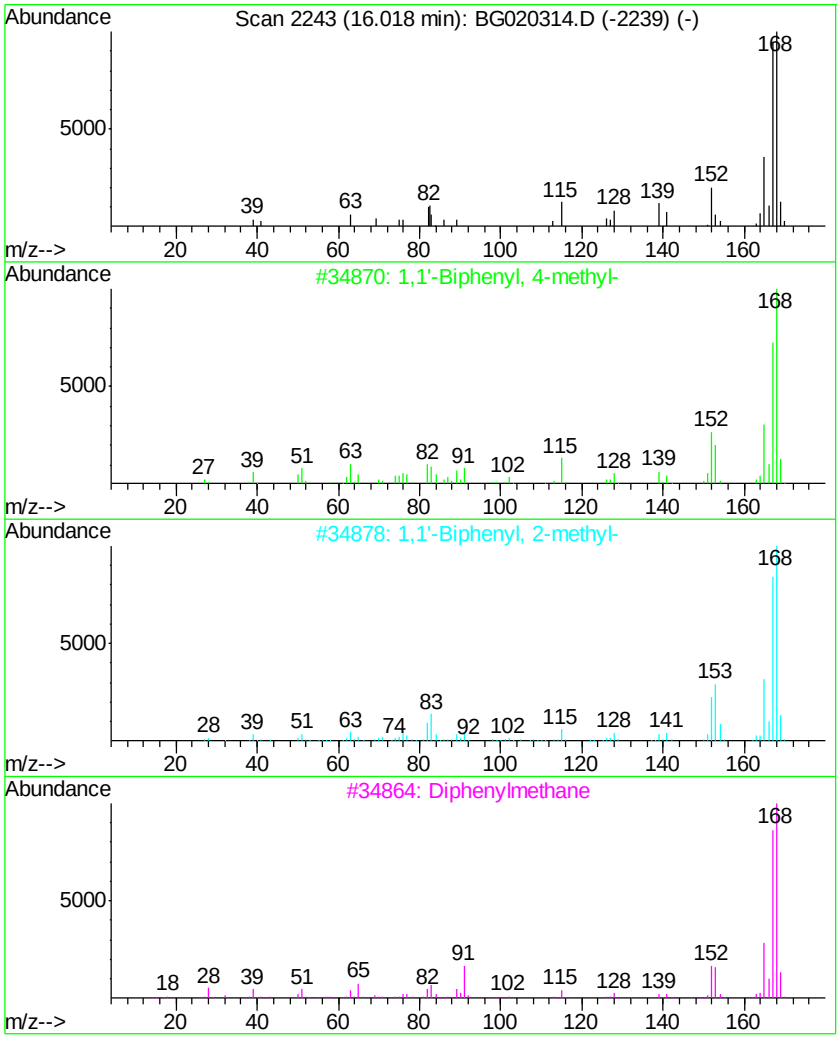
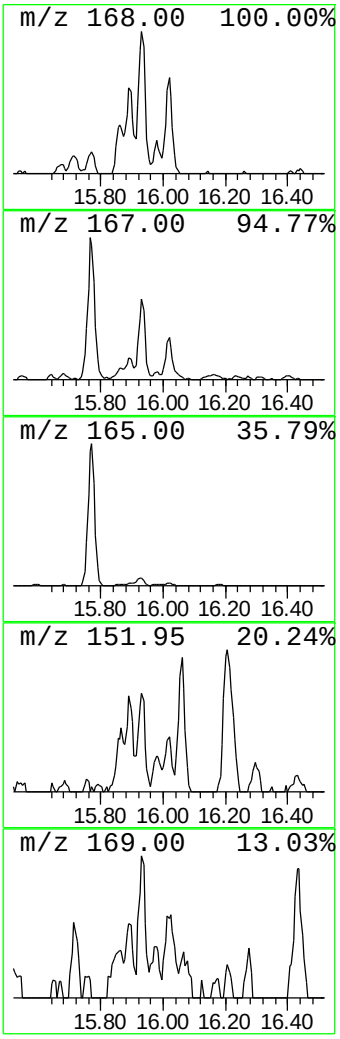
Peak Number 12 1,1'-Biphenyl, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	3.04 ng/ul	42723	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	76
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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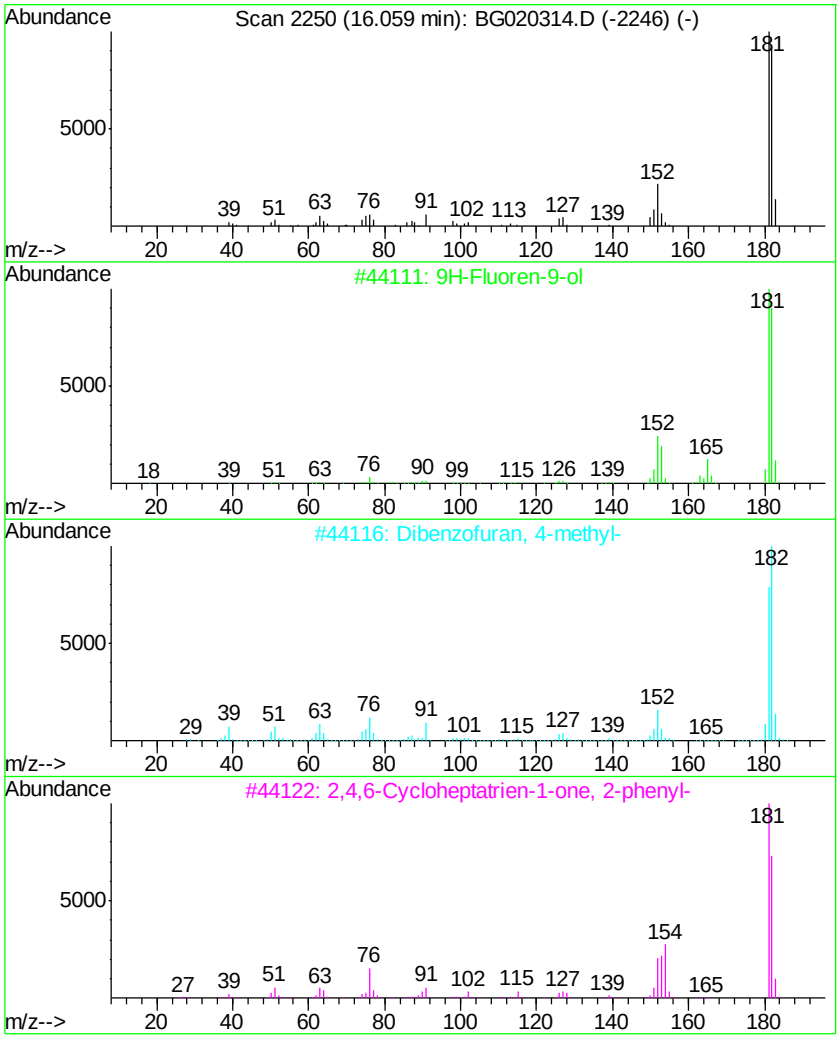
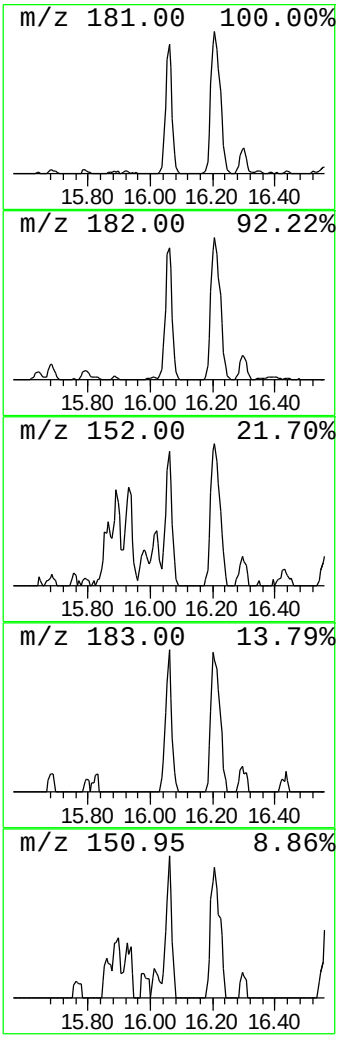
Peak Number 13 9H-Fluoren-9-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	6.45 ng/ul	90662	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83





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Quant Title : SVOA CALIBRATION

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

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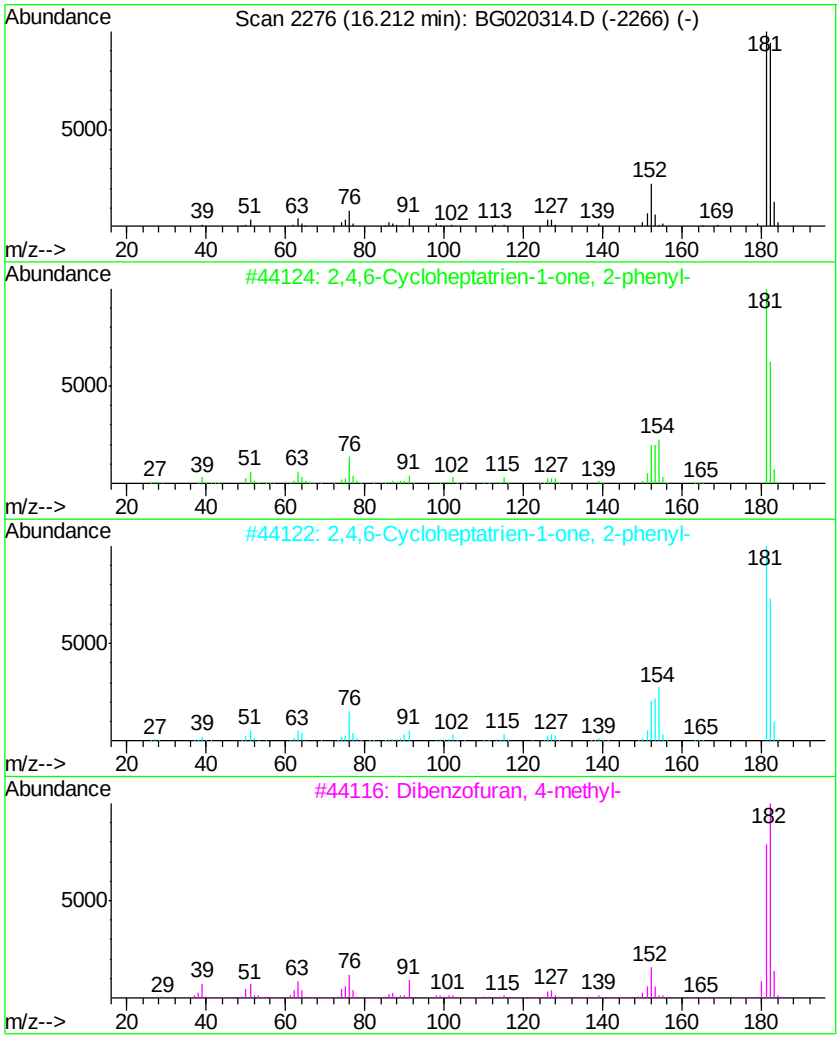
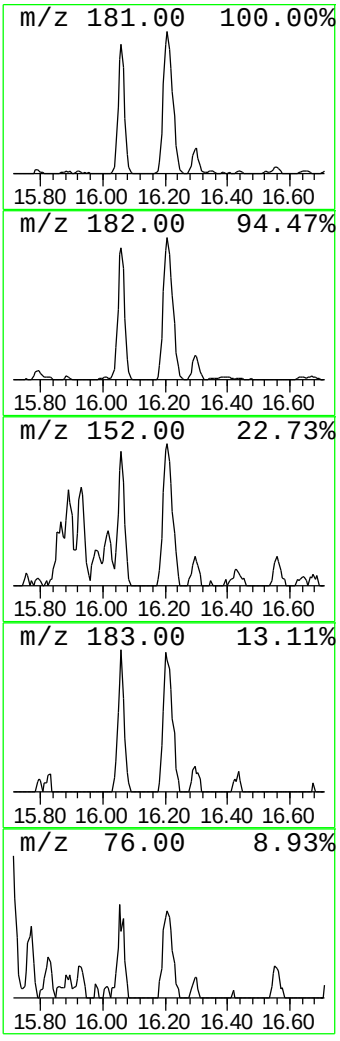
Peak Number 14 2,4,6-Cycloheptatrien-1-one... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	7.14 ng/ul	139402	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Instrument : BNA_G
ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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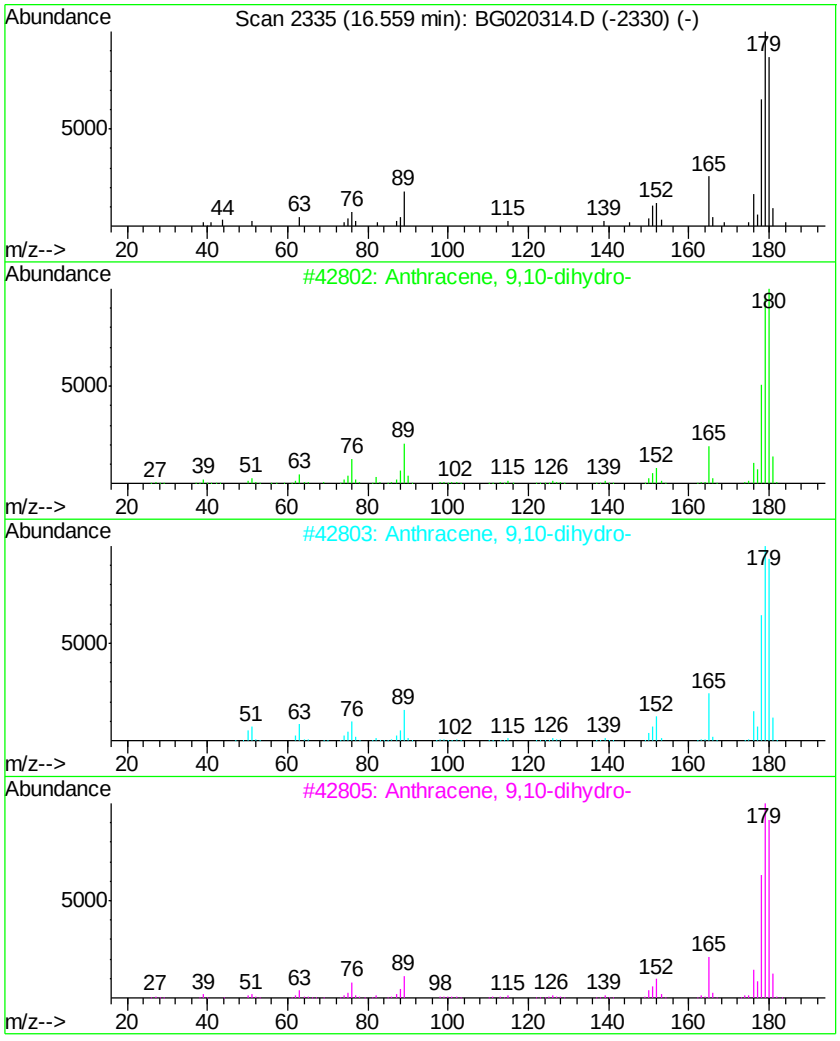
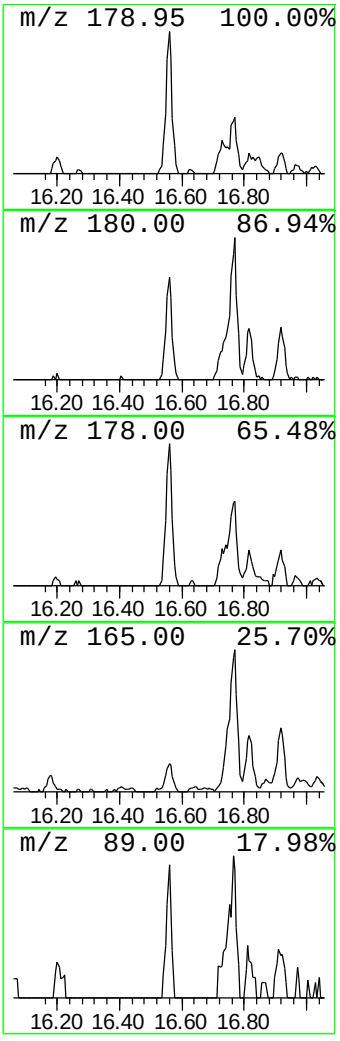
Peak Number 15 Anthracene, 9,10-dihydro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.29 ng/ul	44683	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	64
5	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	64





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Quant Title : SVOA CALIBRATION

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

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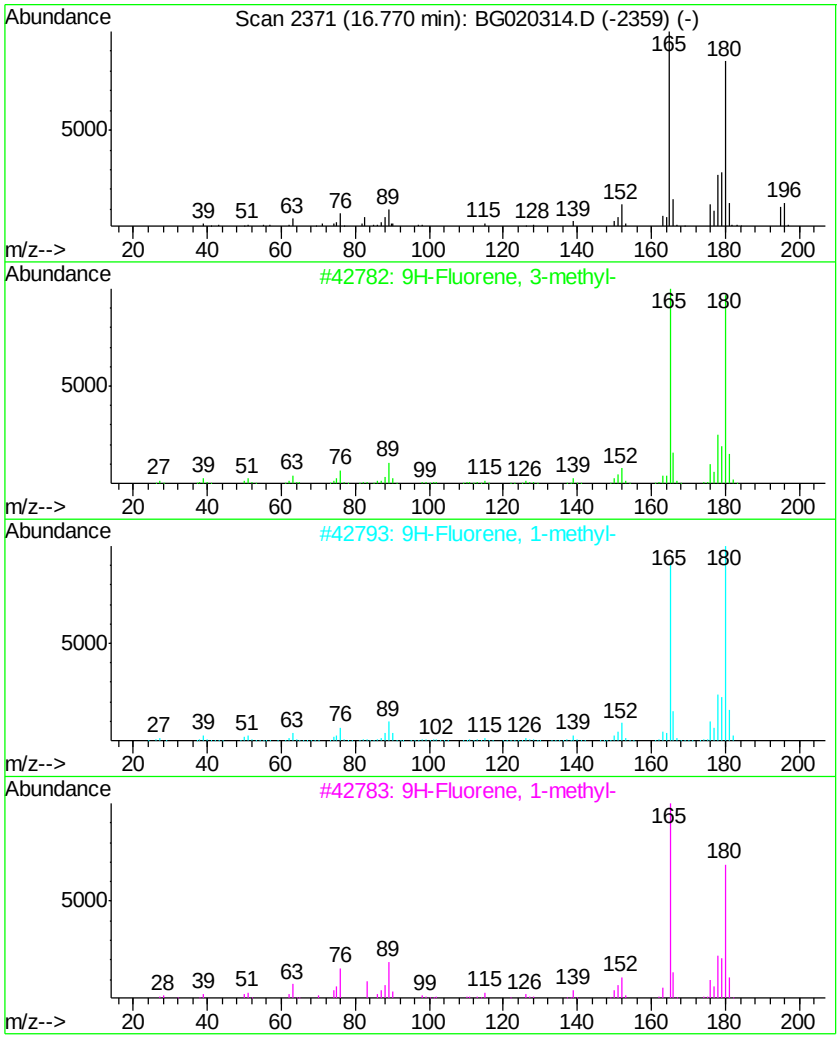
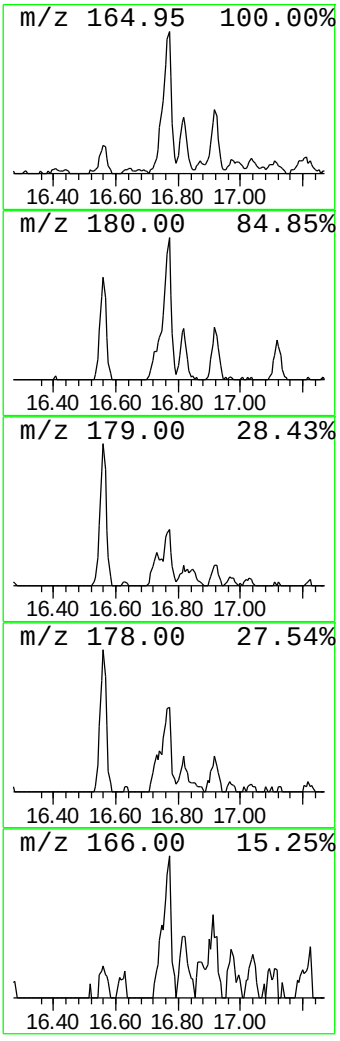
Peak Number 16 9H-Fluorene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.44 ng/ul	106217	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
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, 2-methyl-	180	C14H12	001430-97-3	93





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Quant Title : SVOA CALIBRATION

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

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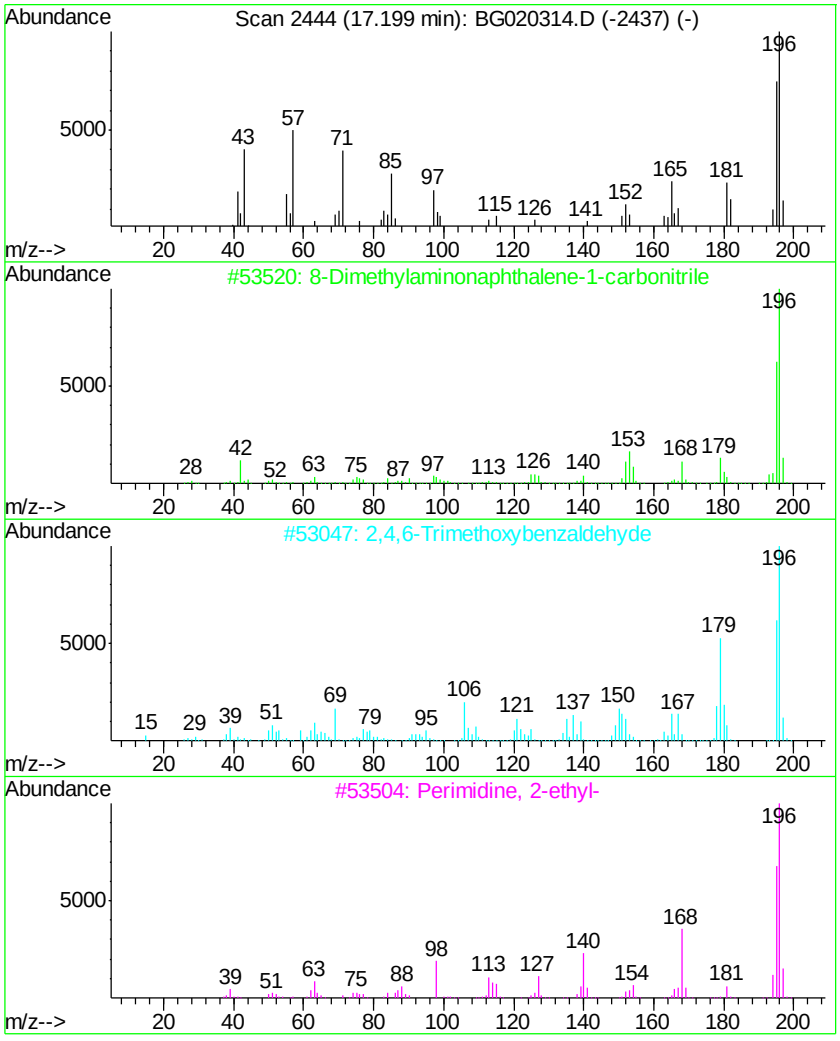
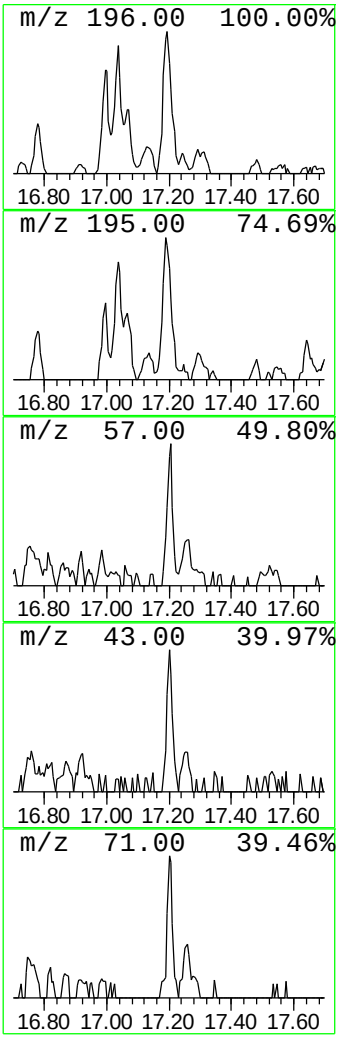
Peak Number 17 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.24 ng/ul	63276	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	49
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	47
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	43
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	41





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Quant Title : SVOA CALIBRATION

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

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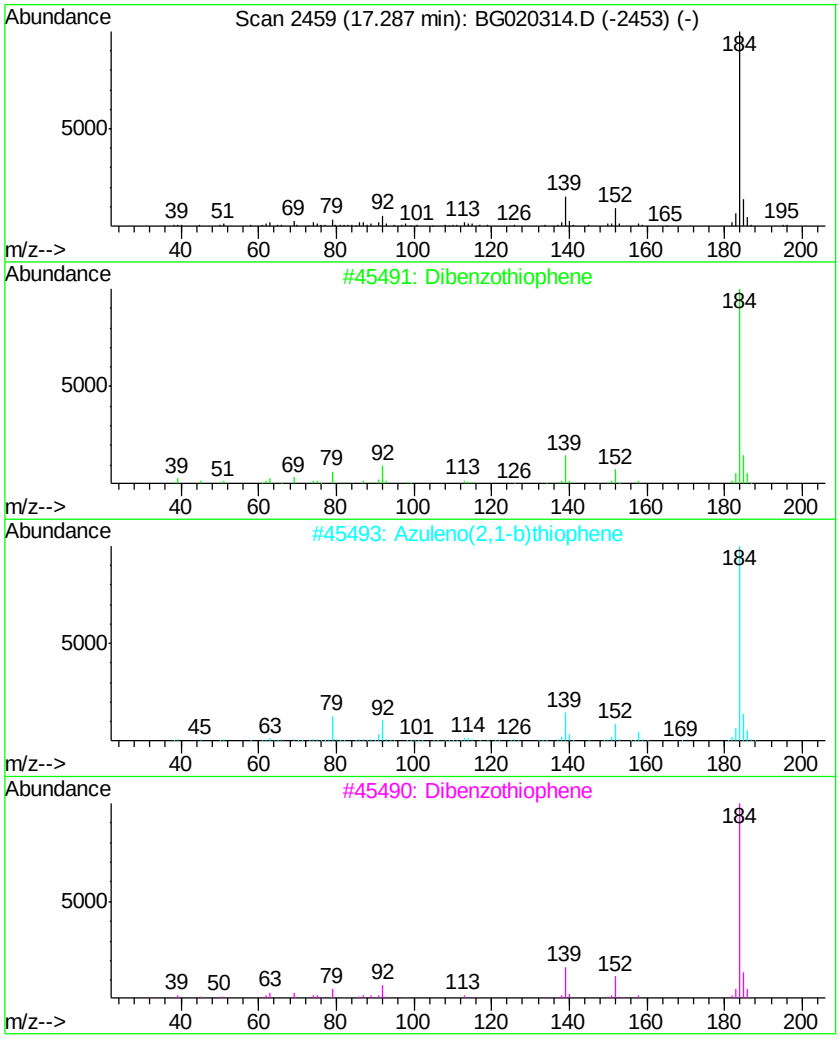
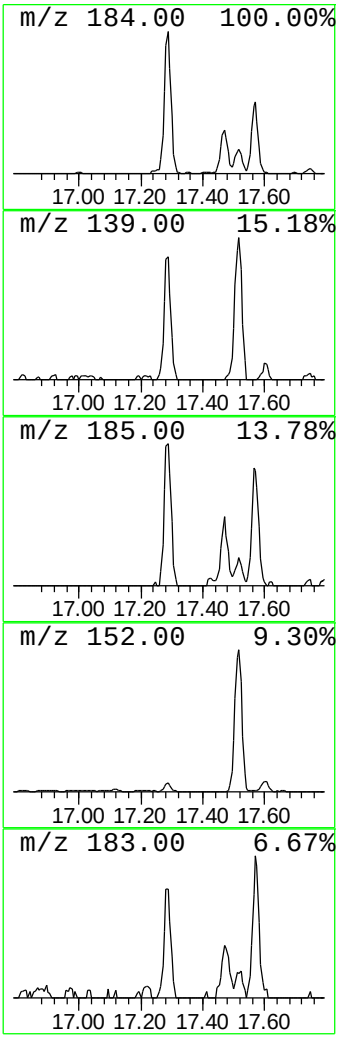
Peak Number 18 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	8.03 ng/ul	156858	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Quant Title : SVOA CALIBRATION

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

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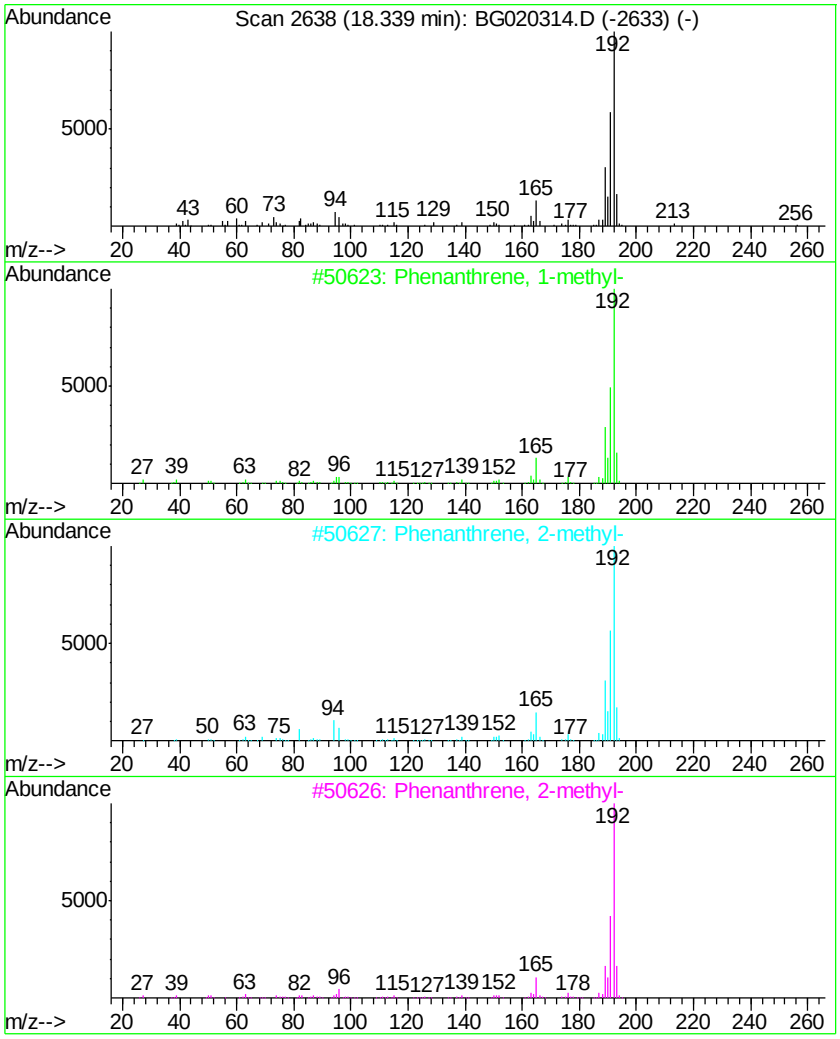
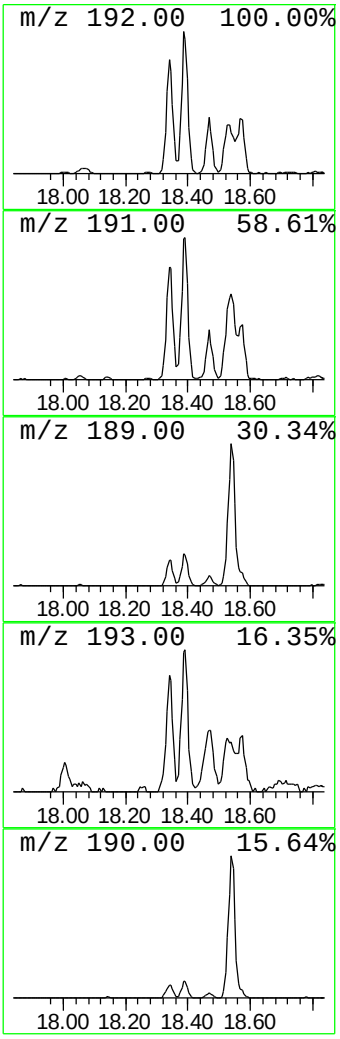
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	7.25 ng/ul	141635	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Sample : G4849-07
Misc :
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ClientSampleId : D9N71

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Quant Title : SVOA CALIBRATION

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

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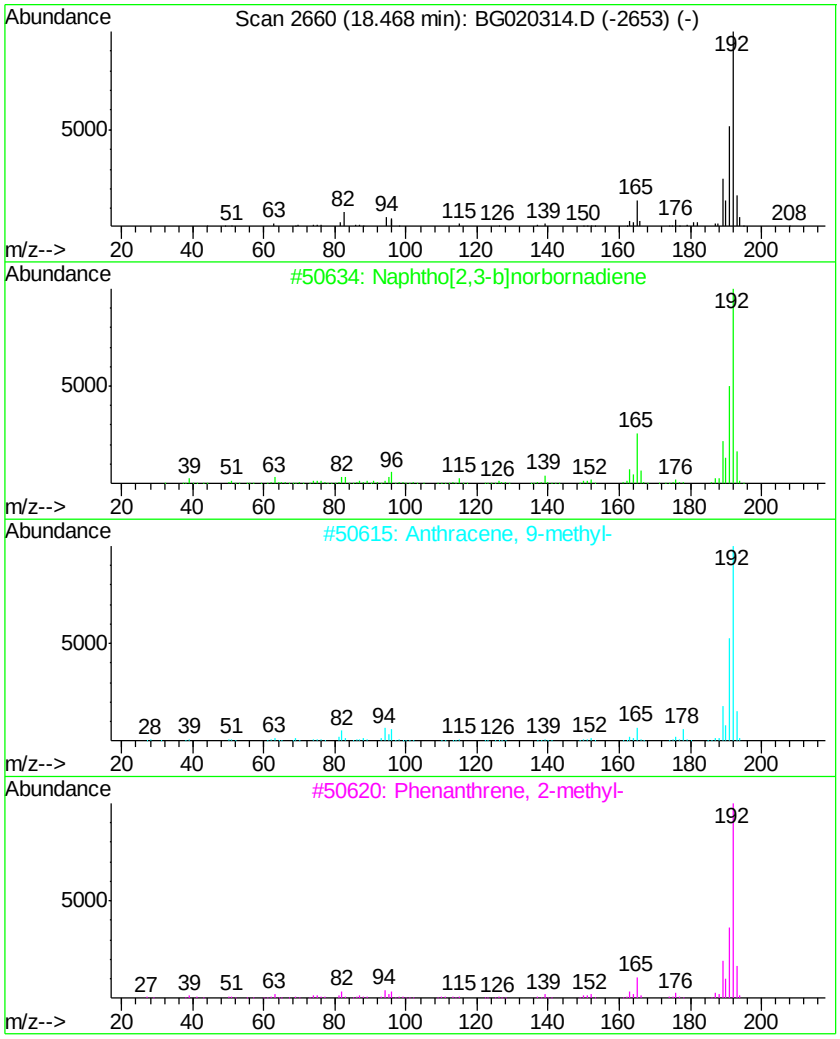
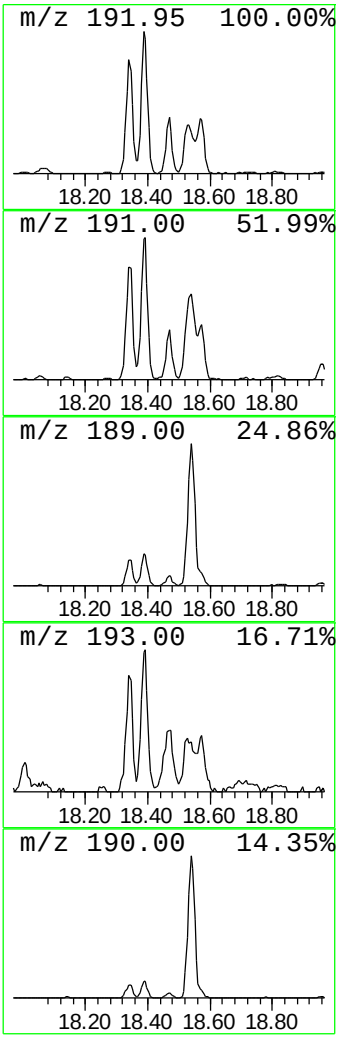
Peak Number 21 Naphtho[2,3-b]norbornadiene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.24 ng/ul	63314	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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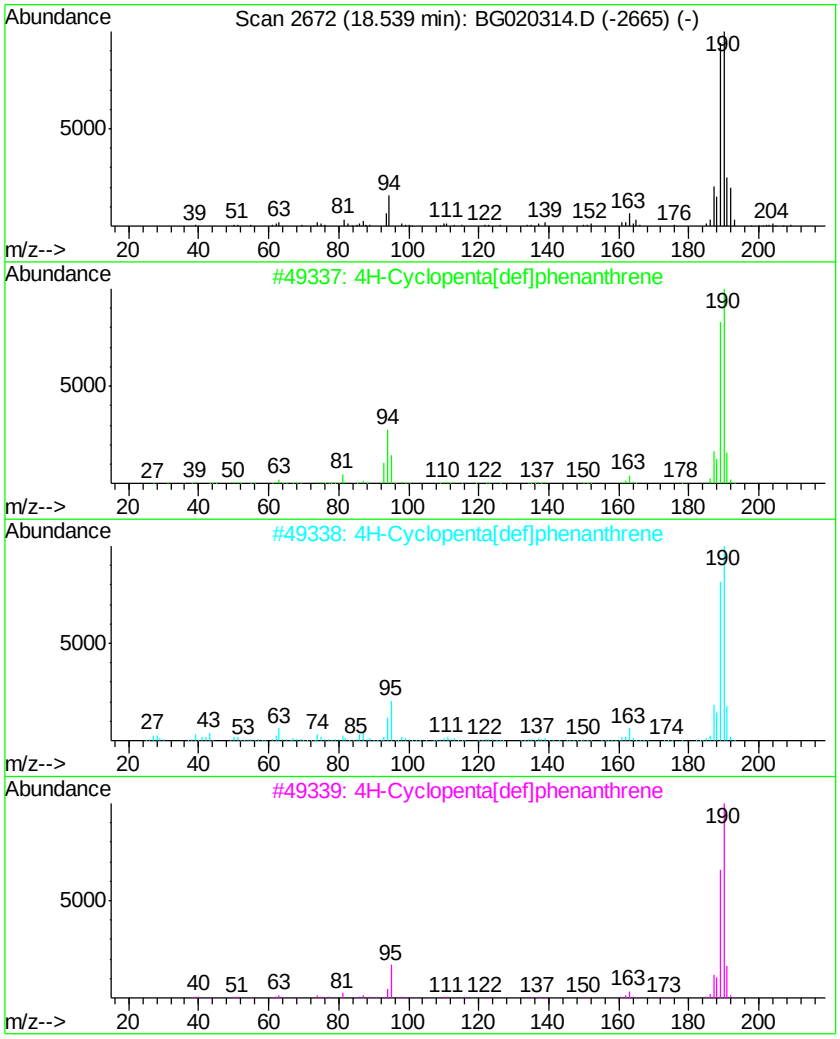
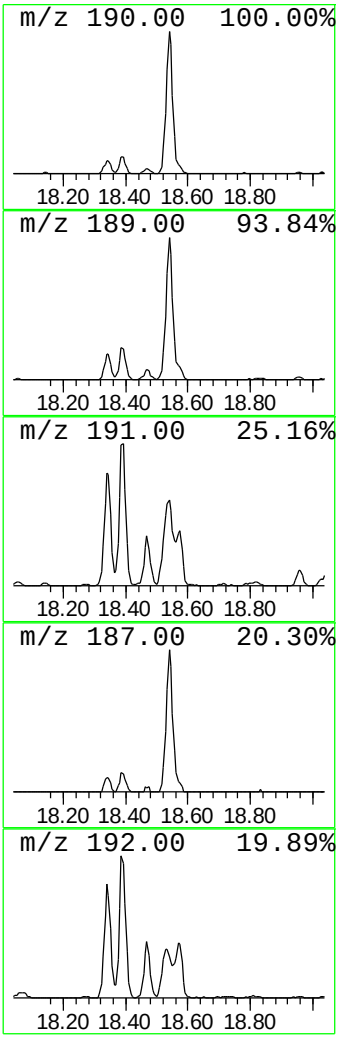
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	15.42 ng/ul	301189	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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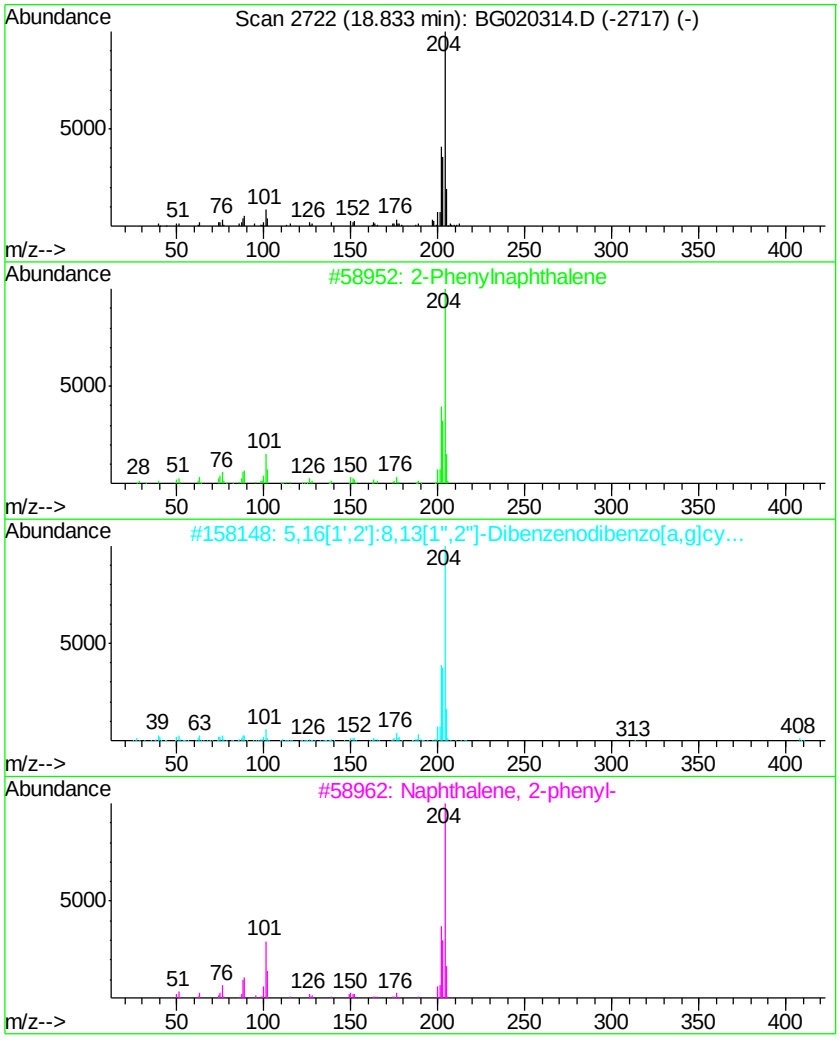
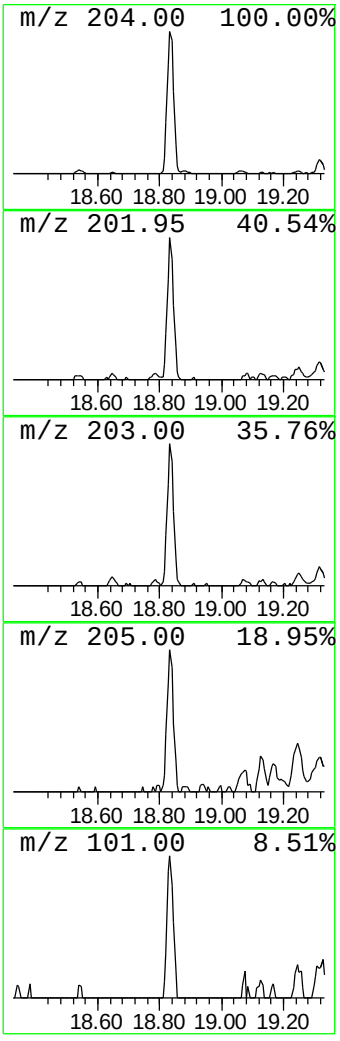
Peak Number 23 2-Phenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.39 ng/ul	105235	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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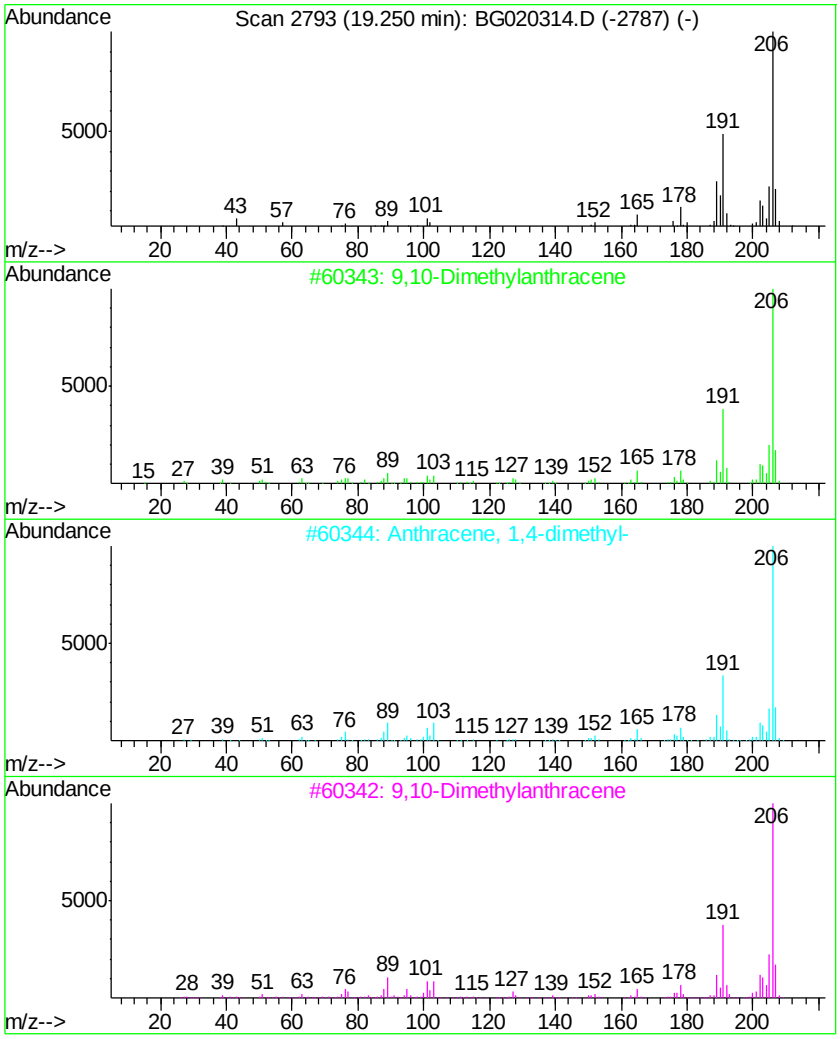
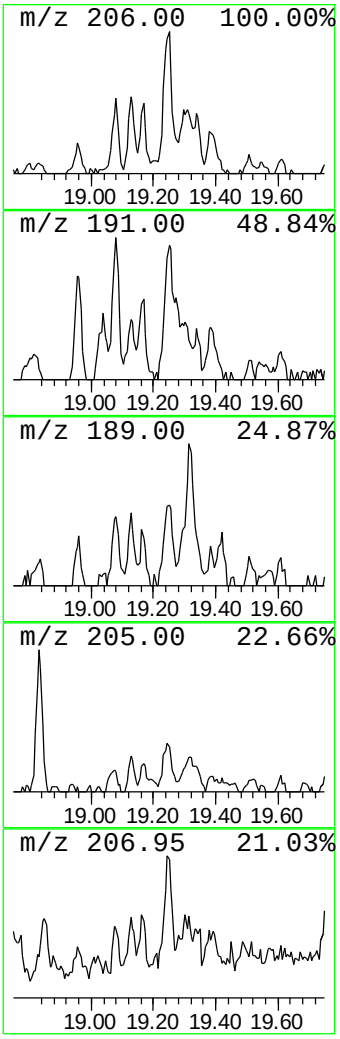
Peak Number 24 9,10-Dimethylanthracene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.42 ng/ul	47198	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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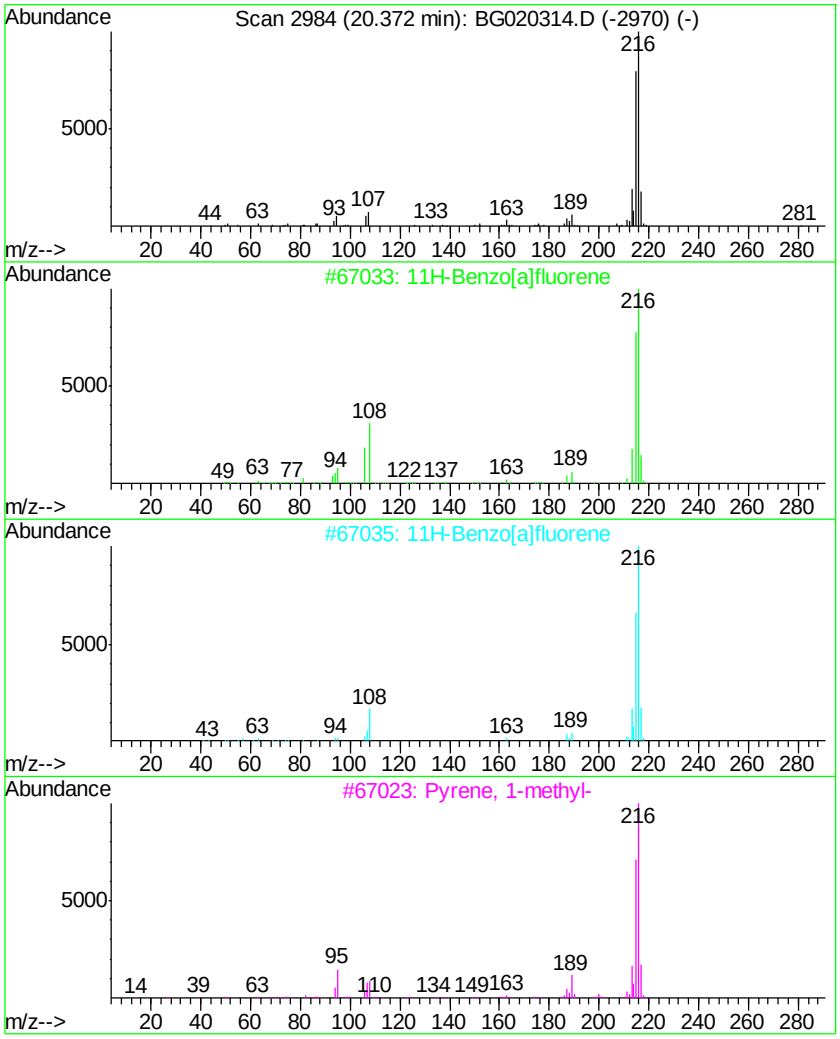
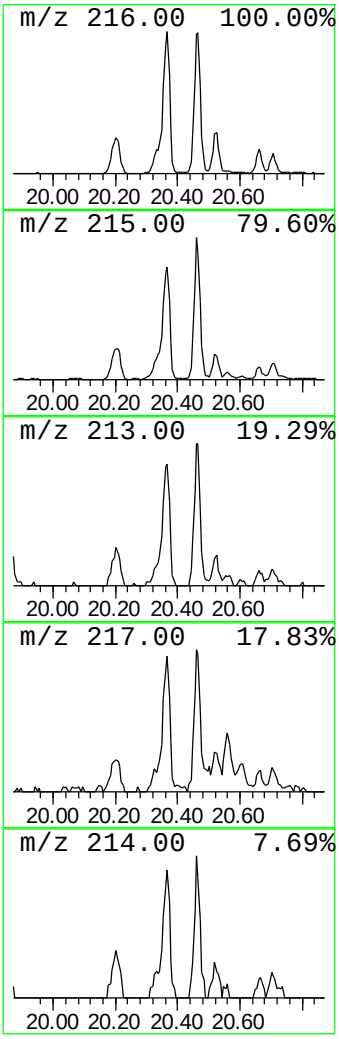
Peak Number 25 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	4.23 ng/ul	167136	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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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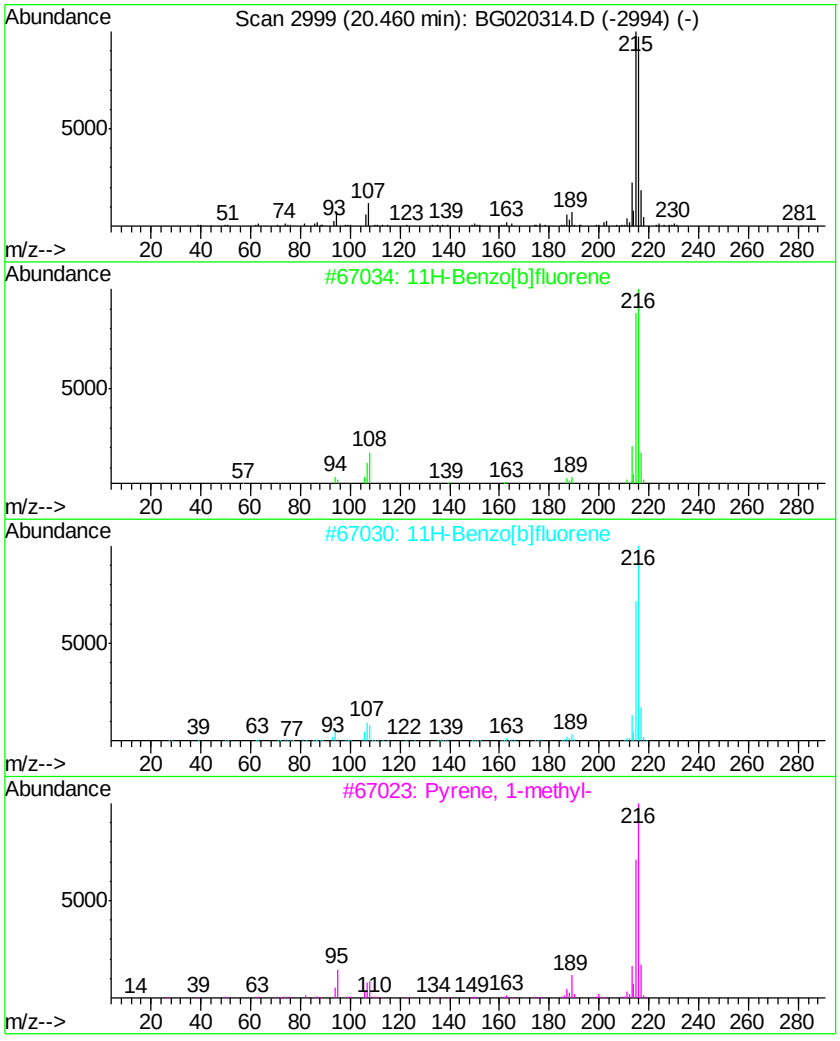
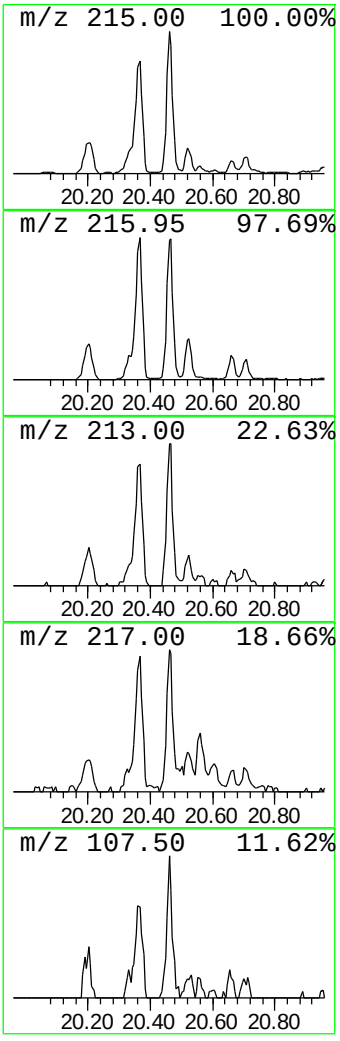
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	3.93 ng/ul	155383	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020314.D
Acq On : 19 Dec 2015 16:32
Operator : UM/SJ
Sample : G4849-07
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N71

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.19	3.6	ng/ul	19645	1	8.09	107915	20.0
Indene	8.63	6.2	ng/ul	33507	1	8.09	107915	20.0
Naphthalene, 1-et...	13.75	3.4	ng/ul	48191	3	14.73	281314	20.0
Naphthalene, 1,7-...	13.90	6.7	ng/ul	93720	3	14.73	281314	20.0
Naphthalene, 2,3-...	14.04	6.7	ng/ul	93575	3	14.73	281314	20.0
2-Naphthalenecarb...	14.85	2.0	ng/ul	28405	3	14.73	281314	20.0
1-Isopropenylnaph...	15.03	2.7	ng/ul	37553	3	14.73	281314	20.0
Benzene, 1,1'-(br...	15.93	7.1	ng/ul	100425	3	14.73	281314	20.0
1,1'-Biphenyl, 4-...	16.02	3.0	ng/ul	42723	3	14.73	281314	20.0
9H-Fluoren-9-ol	16.06	6.5	ng/ul	90662	3	14.73	281314	20.0
2,4,6-Cycloheptat...	16.21	7.1	ng/ul	139402	4	17.47	390526	20.0
Anthracene, 9,10-...	16.56	2.3	ng/ul	44683	4	17.47	390526	20.0
9H-Fluorene, 3-me...	16.77	5.4	ng/ul	106217	4	17.47	390526	20.0
unknown-01	17.20	3.2	ng/ul	63276	4	17.47	390526	20.0
Dibenzothiophene	17.29	8.0	ng/ul	156858	4	17.47	390526	20.0
Phenanthrene, 1-m...	18.34	7.3	ng/ul	141635	4	17.47	390526	20.0
Naphtho[2,3-b]nor...	18.47	3.2	ng/ul	63314	4	17.47	390526	20.0
4H-Cyclopenta[def...	18.54	15.4	ng/ul	301189	4	17.47	390526	20.0
2-Phenylnaphthalene	18.83	5.4	ng/ul	105235	4	17.47	390526	20.0
9,10-Dimethylanth...	19.25	2.4	ng/ul	47198	4	17.47	390526	20.0
11H-Benzo[a]fluorene	20.37	4.2	ng/ul	167136	5	21.74	790348	20.0
11H-Benzo[b]fluorene	20.46	3.9	ng/ul	155383	5	21.74	790348	20.0