LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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	3.170	53	56	62	rVV	19907	28723	1.39%	0.091%
2	7.235	740	748	761	rBV	60803	110422	5.32%	0.350%
3	7.394	769	775	789	rVB	46300	74838	3.61%	0.237%
4	7.606	805	811	820	rBB2	63107	105335	5.08%	0.334%
5	8.076	885	891	899	rBB	70727	116620	5.62%	0.369%
6	8.787	1004	1012	1020	rVB	81648	142114	6.85%	0.450%
7	9.245	1082	1090	1102	rVB	61069	111300	5.37%	0.352%
8	9.921	1198	1205	1208	rBV2	13441	30849	1.49%	0.098%
9	9.973	1208	1214	1221	rVB	58751	110526	5.33%	0.350%
10	10.514	1300	1306	1314	rVV	95566	175387	8.46%	0.555%
11	10.890	1365	1370	1375	rVV	105282	189966	9.16%	0.602%
12	10.943	1375	1379	1387	rVV	76063	131946	6.36%	0.418%
13	11.031	1387	1394	1404	rVV	34675	67405	3.25%	0.213%
14	11.548	1475	1482	1491	rBV3	11939	32245	1.55%	0.102%
15	12.541	1643	1651	1662	rBV2	62256	124064	5.98%	0.393%
16	12.764	1682	1689	1695	rVV	37120	59410	2.86%	0.188%
17	13.599	1826	1831	1838	rBV	37089	84403	4.07%	0.267%
18	13.875	1869	1878	1879	rBV5	17337	29518	1.42%	0.093%
19	14.033	1898	1905	1910	rVV2	37162	74387	3.59%	0.236%
20	14.110	1910	1918	1922	rVV	174817	282130	13.60%	0.893%
21	14.157	1922	1926	1933	rVB2	86724	143764	6.93%	0.455%
22	14.403	1962	1968	1972	rBV	198655	370896	17.89%	1.174%
23	14.439	1972	1974	1984	rVB	126654	182446	8.80%	0.578%
24	14.586	1995	1999	2008	rBV3	19488	39422	1.90%	0.125%
25	14.709	2008	2020	2027	rVV2	182178	332604	16.04%	1.053%
26	14.774	2027	2031	2037	rVB3	24114	43483	2.10%	0.138%
27	14.915	2050	2055	2063	rBV	61900	116295	5.61%	0.368%
28	15.103	2082	2087	2093	rBV3	16773	33454	1.61%	0.106%
29	15.179	2096	2100	2106	rVB2	18711	31263	1.51%	0.099%
30	15.314	2117	2123	2129	rBV5	27765	66132	3.19%	0.209%
31	15.532	2156	2160	2164	rVB2	39781	53541	2.58%	0.170%
32	15.579	2164	2168	2174	rBV	38227	66120	3.19%	0.209%
33	15.702	2184	2189	2194	rBV	292435	422030	20.35%	1.336%
34	15.755	2194	2198	2200	rBV2	24663	34441	1.66%	0.109%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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	15.825	2206	2210	2216	rVB	37934	50647	2.44%	0.160%
36	16.195	2270	2273	2281	rVB7	16116	32868	1.58%	0.104%
37	16.395	2303	2307	2308	rBV	49718	58158	2.80%	0.184%
38	16.419	2309	2311	2322	rVB4	58543	100861	4.86%	0.319%
39	17.030	2413	2415	2421	rVB2	31586	47903	2.31%	0.152%
40	17.112	2425	2429	2437	rVV2	35077	64401	3.11%	0.204%
41	17.188	2438	2442	2446	rVV	46413	67753	3.27%	0.215%
42	17.235	2448	2450	2454	rVV2	35408	48524	2.34%	0.154%
43	17.277	2454	2457	2461	rVV	36442	50633	2.44%	0.160%
44	17.324	2462	2465	2470	rVB	36067	47711	2.30%	0.151%
45	17.459	2482	2488	2491	rBV	230438	359983	17.36%	1.140%
46	17.500	2491	2495	2500	rVV	437689	639158	30.82%	2.024%
47	17.559	2500	2505	2508	rVV	290229	444581	21.44%	1.408%
48	17.588	2508	2510	2515	rVV	97536	135931	6.55%	0.430%
49	17.658	2519	2522	2526	rVB2	49140	64632	3.12%	0.205%
50	17.858	2552	2556	2563	rBV4	62029	108500	5.23%	0.344%
51	17.929	2564	2568	2573	rBV3	56049	94072	4.54%	0.298%
52	17.976	2573	2576	2581	rVB	38744	49564	2.39%	0.157%
53	18.040	2583	2587	2589	rBV	39466	55547	2.68%	0.176%
54	18.146	2602	2605	2609	rBV2	40252	60006	2.89%	0.190%
55	18.334	2632	2637	2641	rBV2	150048	241896	11.66%	0.766%
56	18.381	2641	2645	2650	rVB2	184109	269806	13.01%	0.854%
57	18.428	2650	2653	2656	rBV3	29937	42650	2.06%	0.135%
58	18.463	2656	2659	2663	rVB	45453	59027	2.85%	0.187%
59	18.522	2664	2669	2674	rBV4	259848	541794	26.13%	1.716%
60	18.563	2674	2676	2680	rVB	141288	160906	7.76%	0.510%
61	18.822	2718	2720	2724	rVB2	93665	118004	5.69%	0.374%
62	18.875	2726	2729	2733	rVB2	82447	109804	5.29%	0.348%
63	19.045	2755	2758	2760	rBV2	39598	55478	2.68%	0.176%
64	19.121	2768	2771	2774	rVV	55511	60195	2.90%	0.191%
65	19.157	2775	2777	2781	rVB2	48813	59126	2.85%	0.187%
66	19.245	2787	2792	2796	rBV	276724	447078	21.56%	1.416%
67	19.392	2812	2817	2828	rVB4	187057	439269	21.18%	1.391%
68	19.509	2832	2837	2842	rVB	857328	1235428	59.57%	3.912%
69	19.568	2843	2847	2850	rBV3	65701	97405	4.70%	0.308%
70	19.656	2859	2862	2867	rBV2	106551	157122	7.58%	0.498%
71	19.780	2880	2883	2888	rVB	174678	226234	10.91%	0.716%

LSC Area Percent Report

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Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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	19.844	2889	2894	2896	rVV2	449219	701266	33.82%	2.221%
73	19.879	2896	2900	2906	rVV	1327024	1964736	94.74%	6.221%
74	19.938	2906	2910	2916	rVB2	162180	240883	11.62%	0.763%
75	20.103	2934	2938	2944	rVB2	121390	205577	9.91%	0.651%
76	20.203	2948	2955	2961	rVV2	217276	566853	27.33%	1.795%
77	20.344	2971	2979	2988	rVB2	323545	993700	47.92%	3.147%
78	20.426	2990	2993	2995	rBV2	85583	111509	5.38%	0.353%
79	20.455	2995	2998	3003	rVB	141542	205482	9.91%	0.651%
80	20.520	3005	3009	3013	rVB	317436	403986	19.48%	1.279%
81	20.661	3029	3033	3037	rBV	486960	662915	31.97%	2.099%
82	20.702	3037	3040	3048	rVB	313695	474150	22.86%	1.501%
83	21.125	3109	3112	3119	rVB	201616	356345	17.18%	1.128%
84	21.225	3126	3129	3134	rVB	104001	132015	6.37%	0.418%
85	21.354	3148	3151	3155	rVB	171090	231385	11.16%	0.733%
86	21.407	3156	3160	3164	rBV2	162816	271056	13.07%	0.858%
87	21.724	3208	3214	3221	rBV2	755378	2073739	100.00%	6.567%
88	21.789	3222	3225	3237	rVB	782530	1395410	67.29%	4.419%
89	21.948	3248	3252	3258	rBV3	82622	162869	7.85%	0.516%
90	22.012	3259	3263	3275	rVB3	210624	462119	22.28%	1.463%
91	22.218	3294	3298	3304	rBV2	88001	151260	7.29%	0.479%
92	22.400	3325	3329	3333	rBV2	83329	164760	7.95%	0.522%
93	22.482	3334	3343	3348	rVV	355040	946200	45.63%	2.996%
94	22.553	3352	3355	3364	rVB	189728	362789	17.49%	1.149%
95	22.758	3386	3390	3394	rBV	150350	240062	11.58%	0.760%
96	23.992	3591	3600	3607	rBV2	553150	1896858	91.47%	6.006%
97	24.245	3637	3643	3651	rVB	167445	395890	19.09%	1.254%
98	24.733	3716	3726	3732	rBV	482783	1396588	67.35%	4.422%
99	24.885	3743	3752	3762	rVB	712522	1973085	95.15%	6.248%
100	28.798	4405	4418	4438	rVB3	294143	1516672	73.14%	4.803%

Sum of corrected areas: 31580293

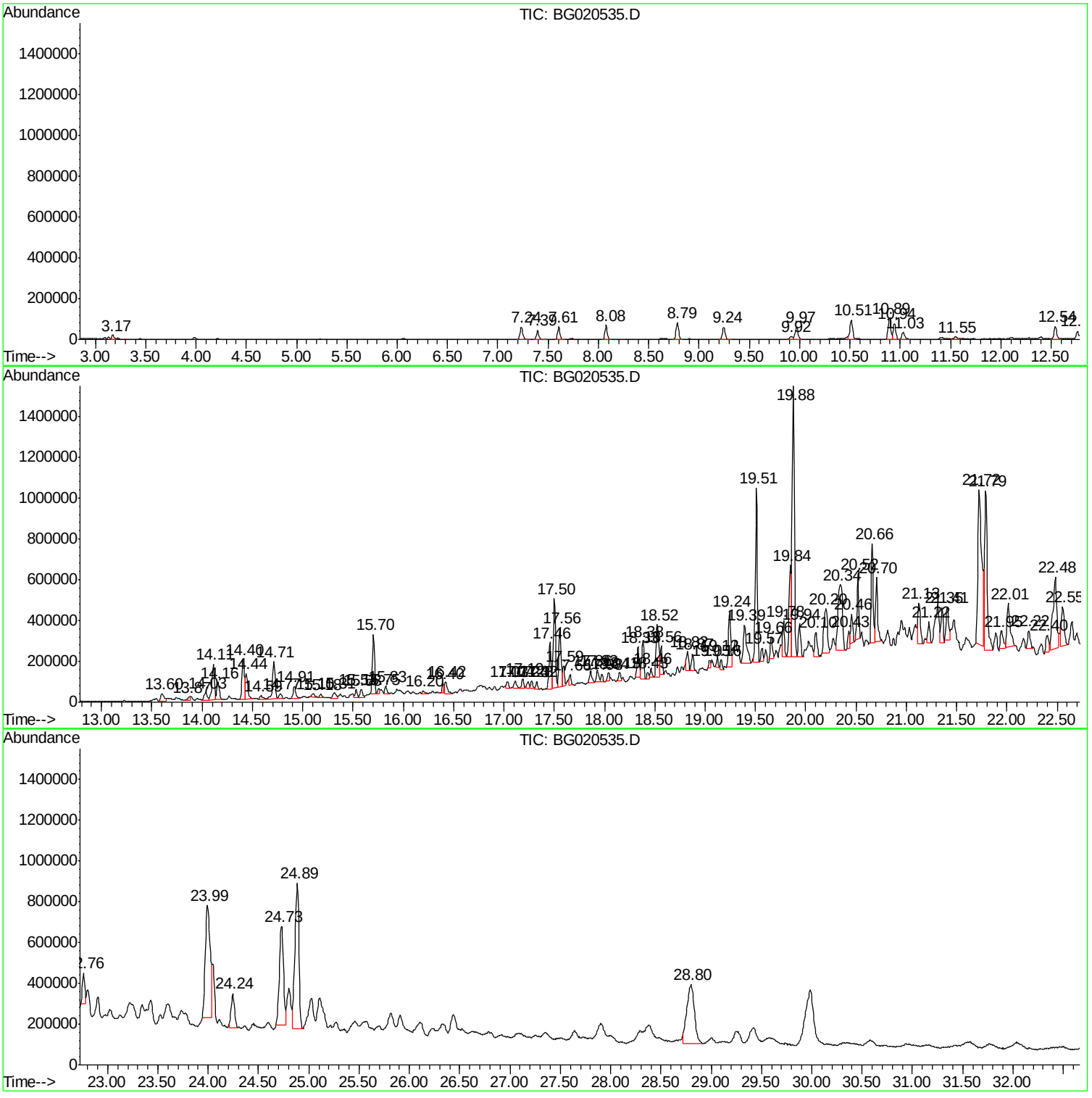
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
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Instrument : BNA_G
ClientSampleId : G9D89

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

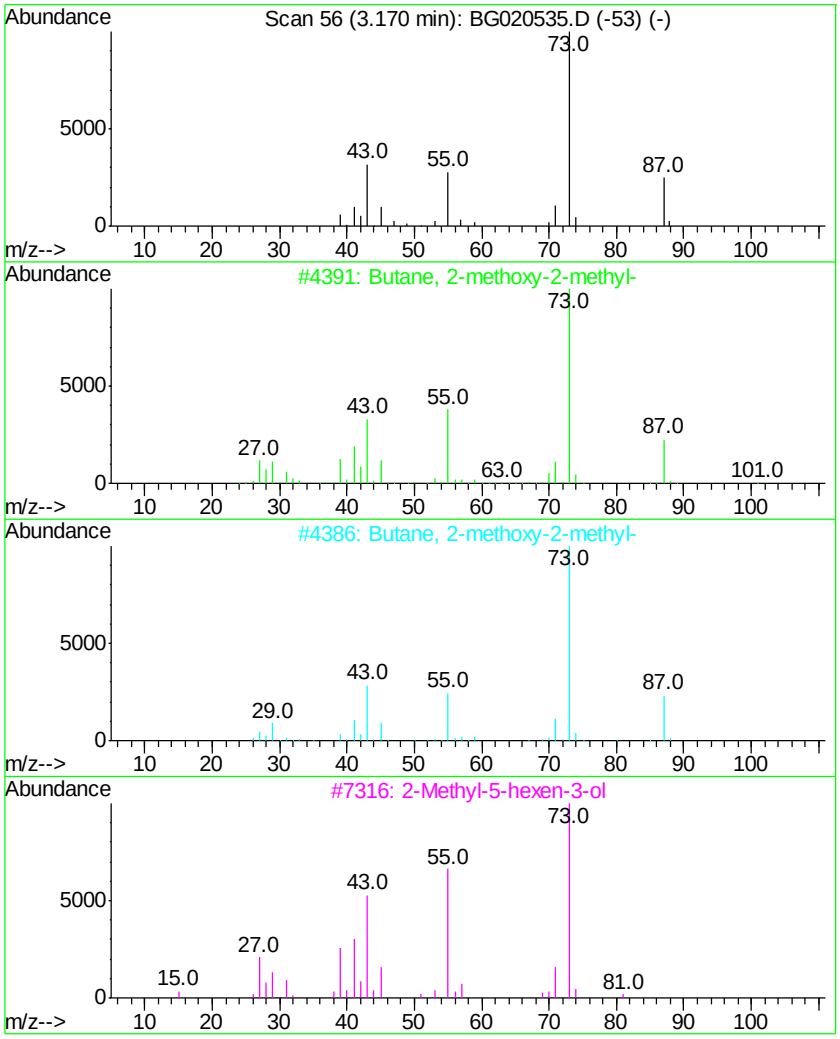
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

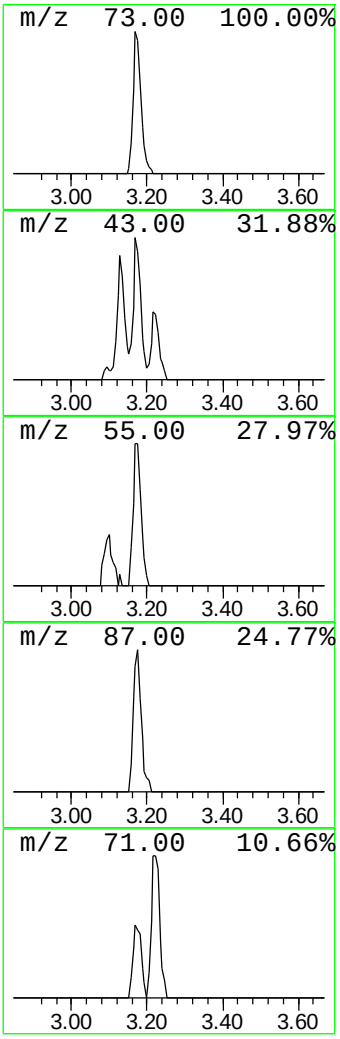
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	4.93 ng/ul	28723	1,4-Dichlorobenzene-d4	8.08

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	78
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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

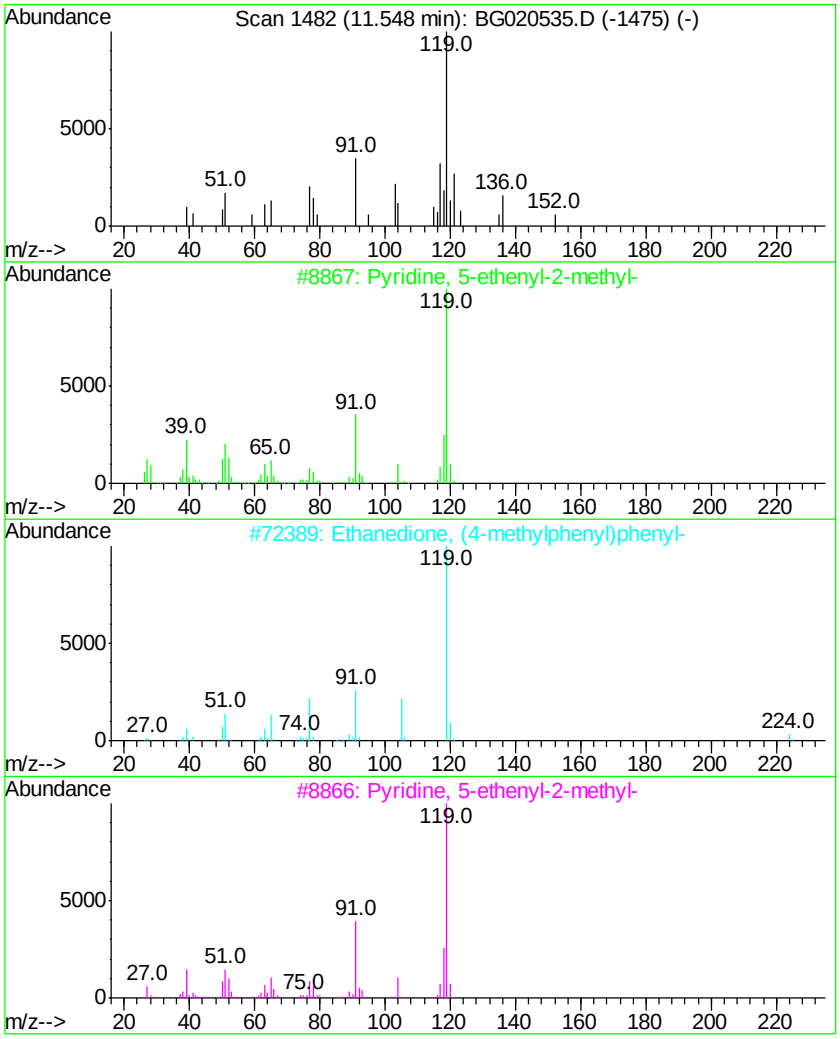
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

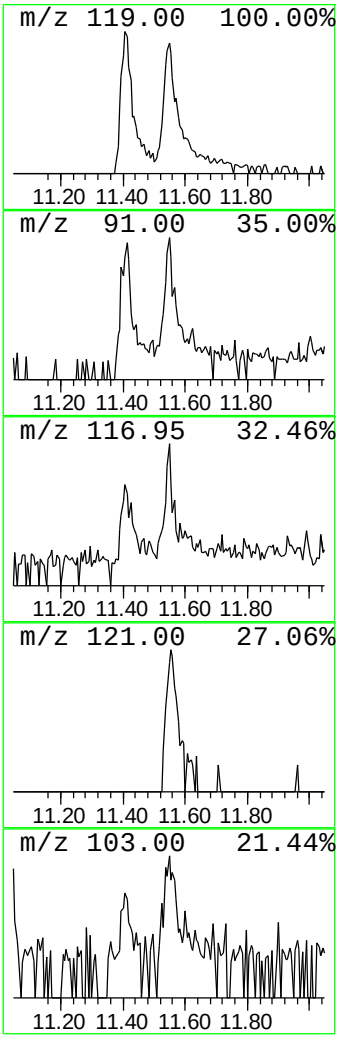
****

Peak Number 3 Pyridine, 5-ethenyl-2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.39 ng/ul	32245	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	47
2	Ethanedione, (4-methylphenyl)phe...	224	C15H12O2	002431-00-7	43
3	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	43
4	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	42
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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

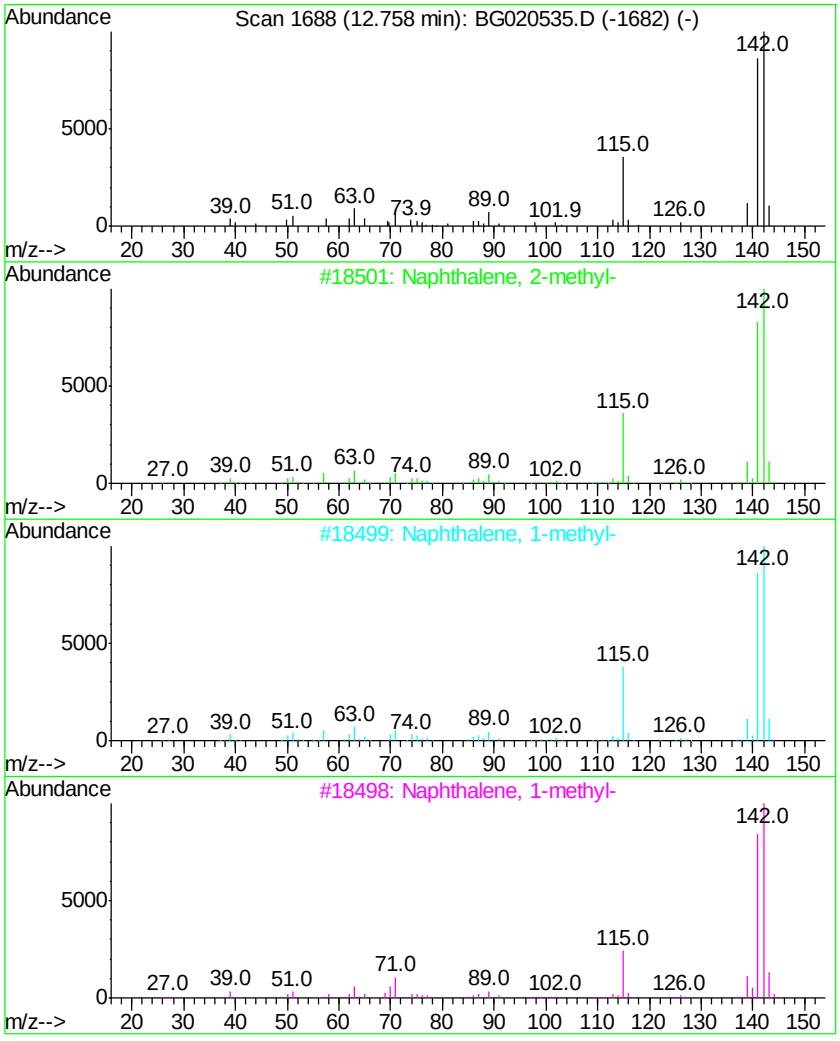
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

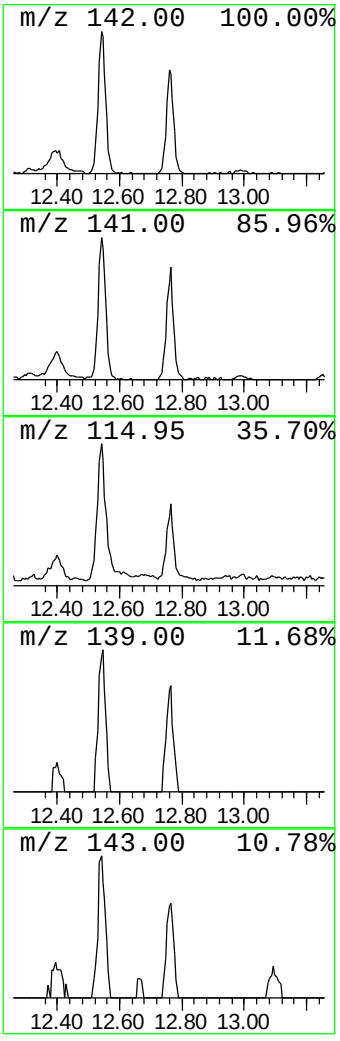
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	6.25 ng/ul	59410	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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

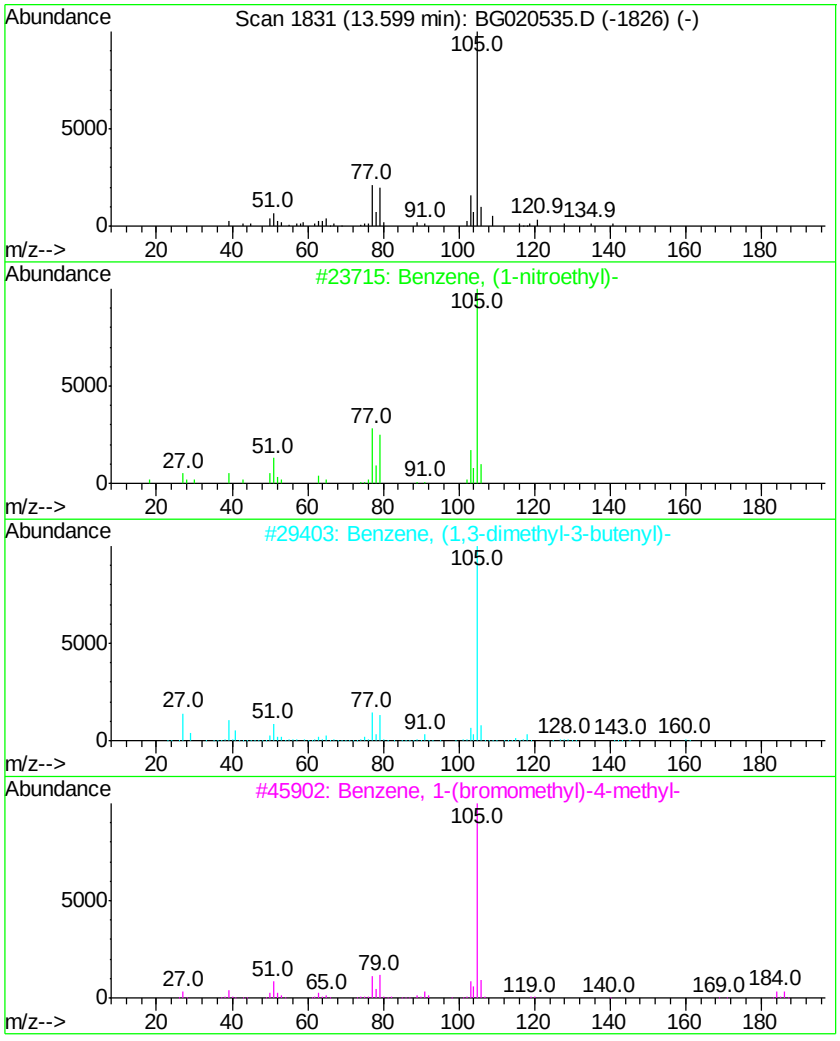
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

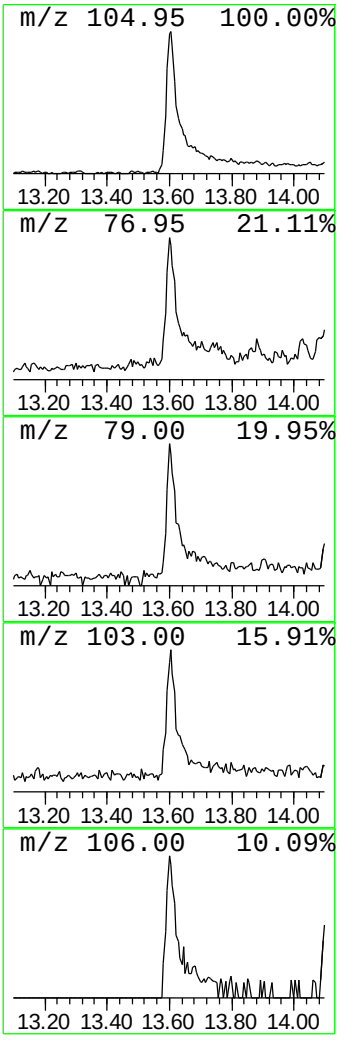
****

Peak Number 5 Benzene, (1-nitroethyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	5.08 ng/ul	84403	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	72
2	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
3	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	72
4	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	50
5	Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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

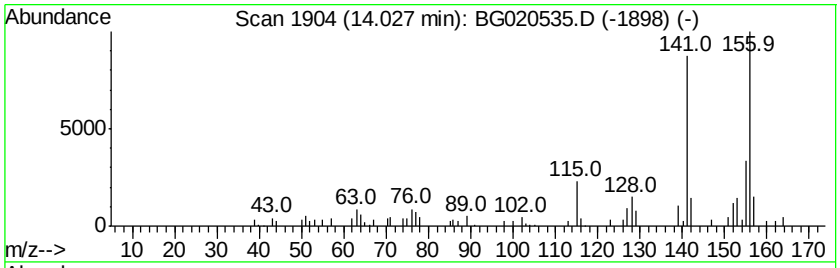
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

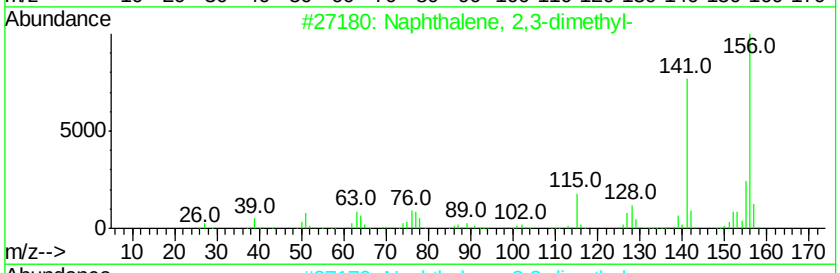
****

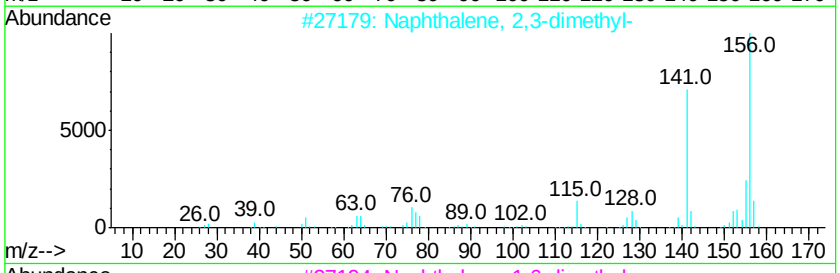
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 21

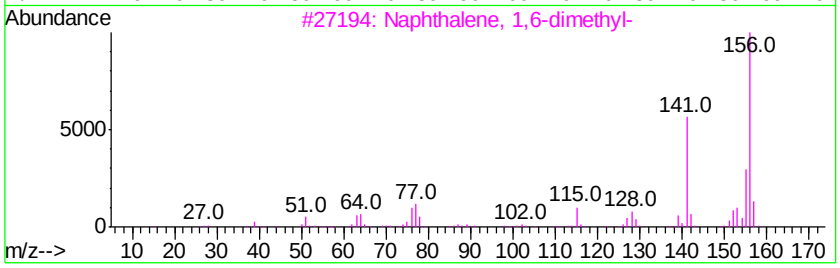
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	4.47 ng/ul	74387	Acenaphthene-d10	14.71

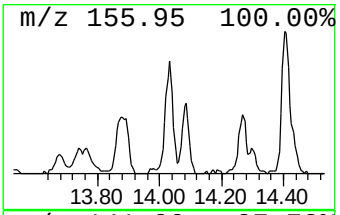
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96

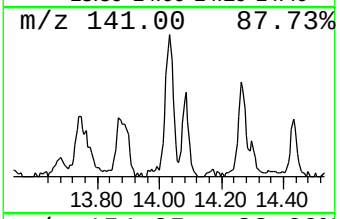


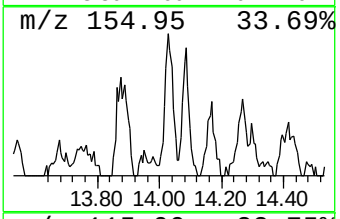


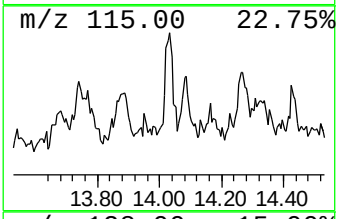


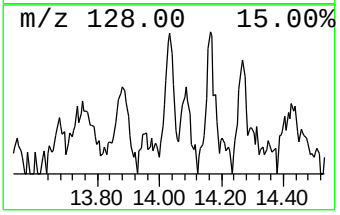












Library Search Compound Report

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Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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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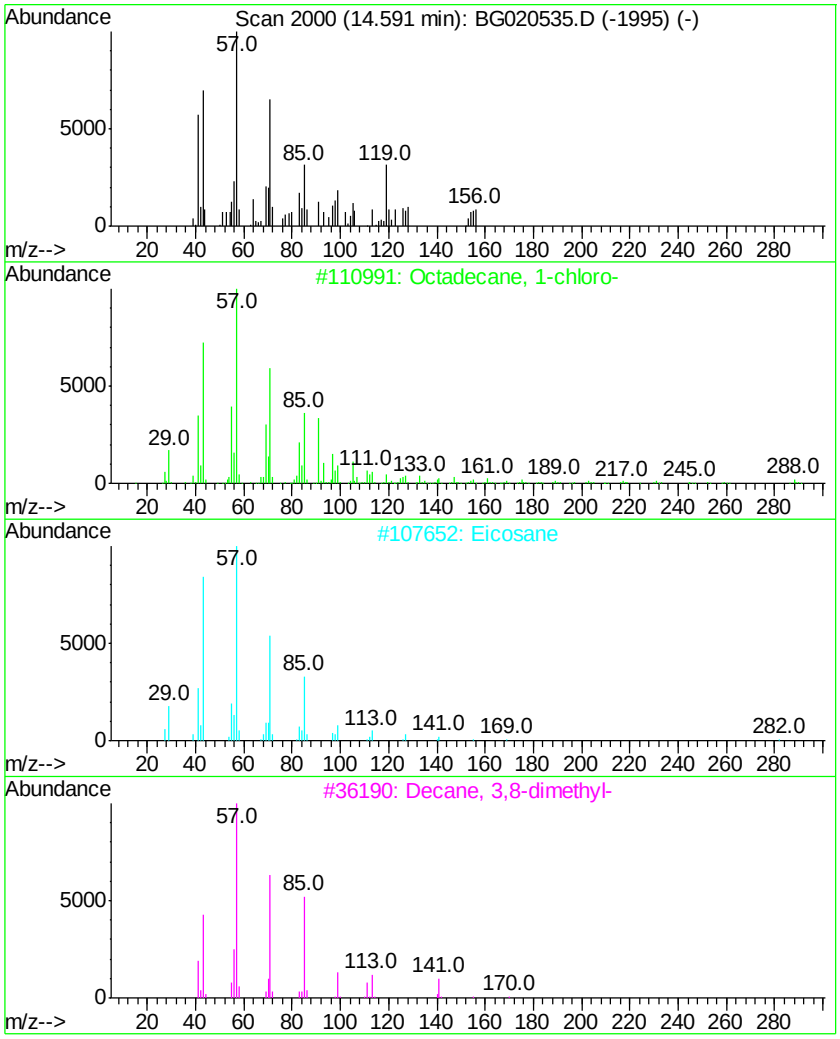
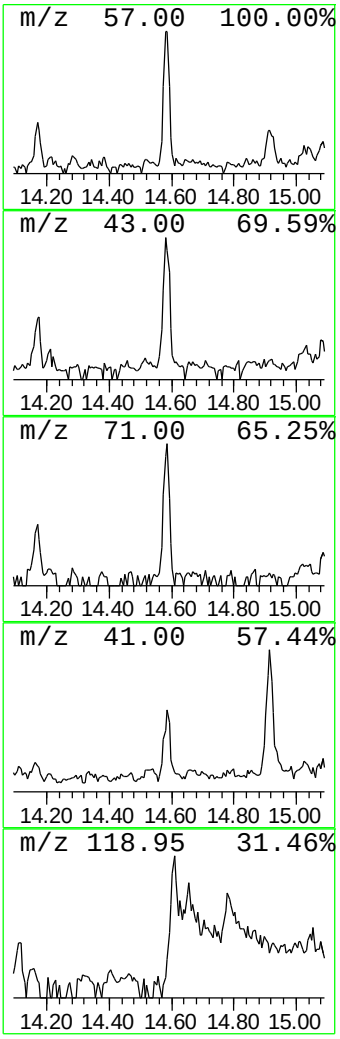
Peak Number 7 Octadecane, 1-chloro- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.37 ng/ul	39422	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	64
2	Eicosane	282	C20H42	000112-95-8	64
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
4	Tetradecane	198	C14H30	000629-59-4	59
5	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	59





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Quant Title : SVOA CALIBRATION

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

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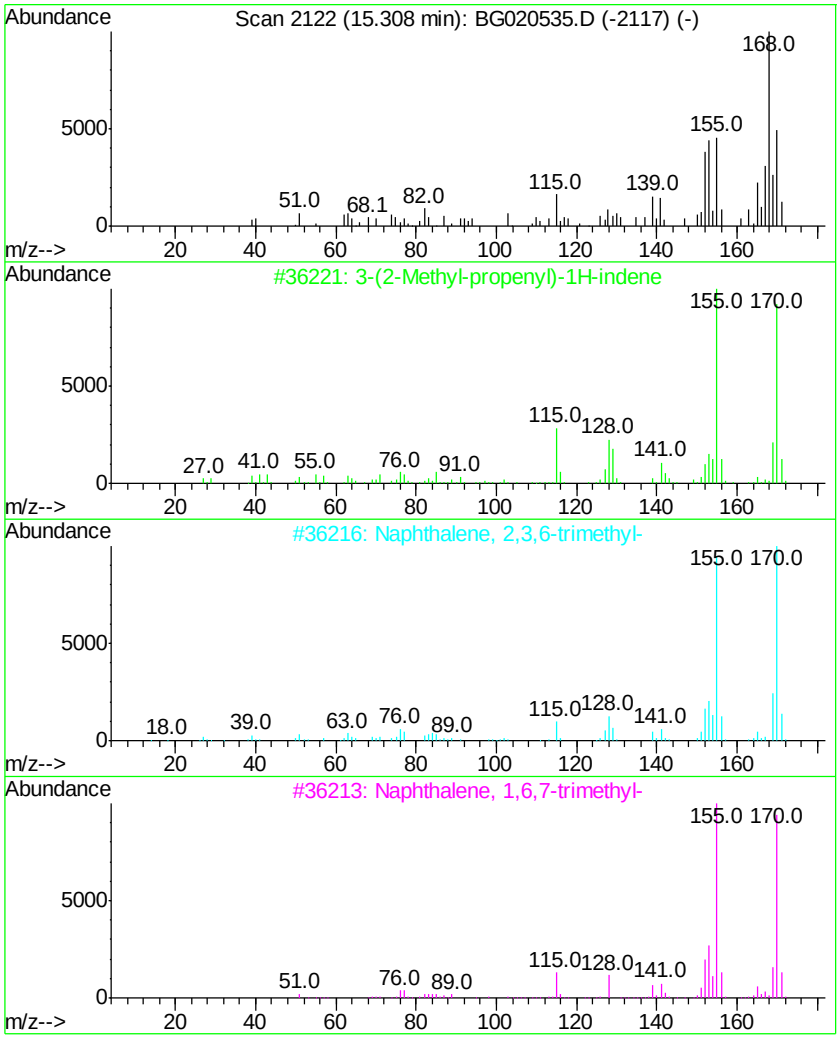
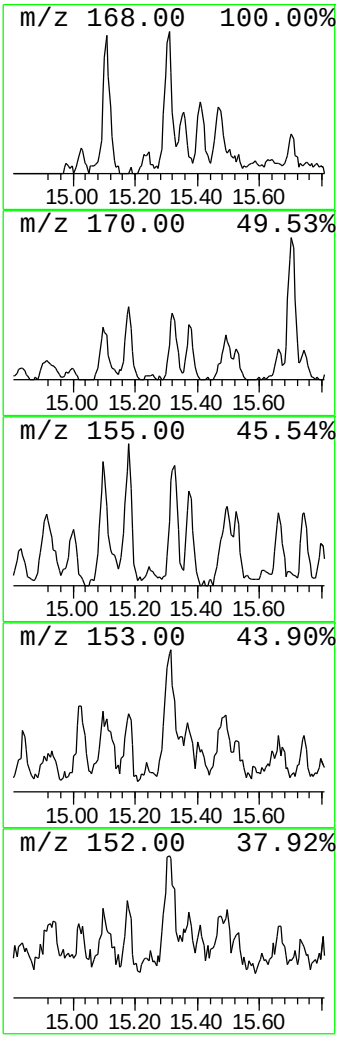
Peak Number 8 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	3.98 ng/ul	66132	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	70
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	55
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	46





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ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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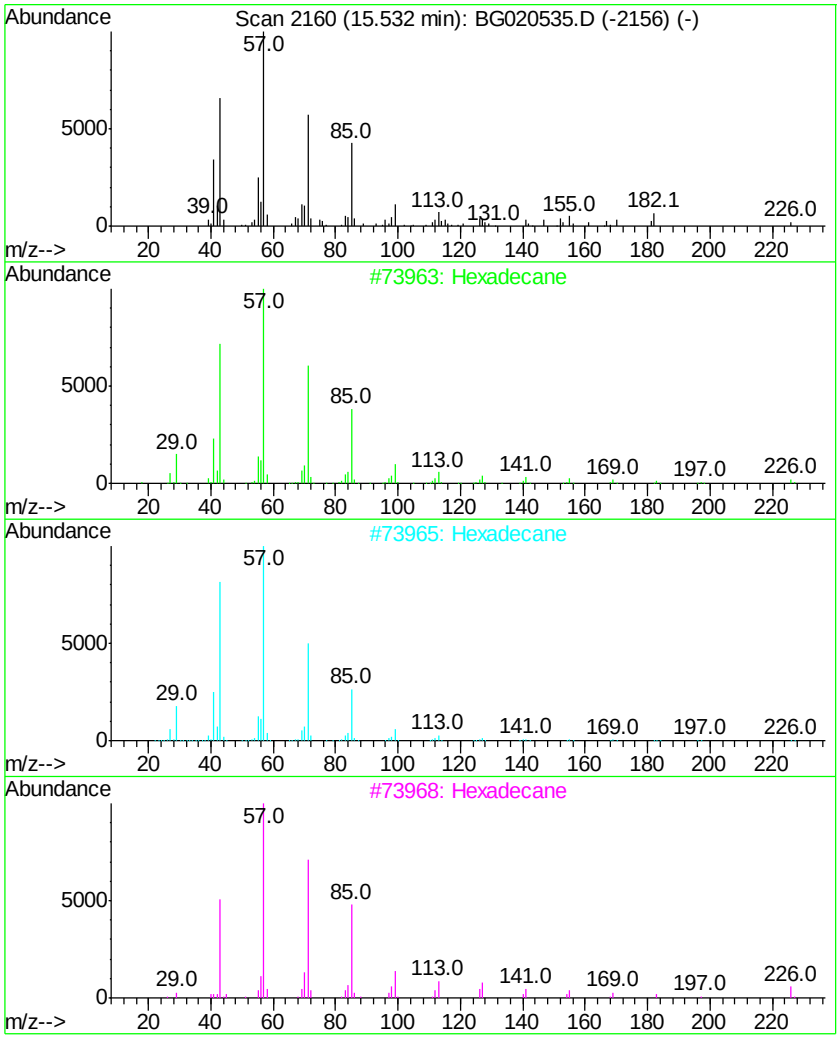
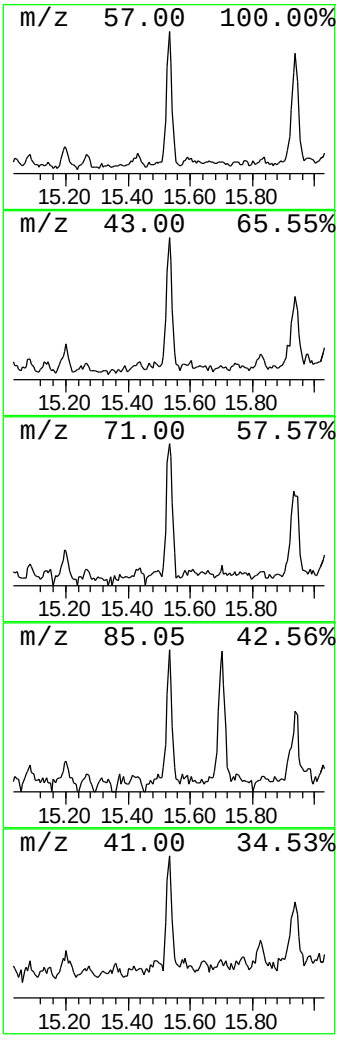
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.22 ng/ul	53541	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Hexadecane	226	C16H34	000544-76-3	81
4	Hexadecane	226	C16H34	000544-76-3	80
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80





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Instrument : BNA_G
ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

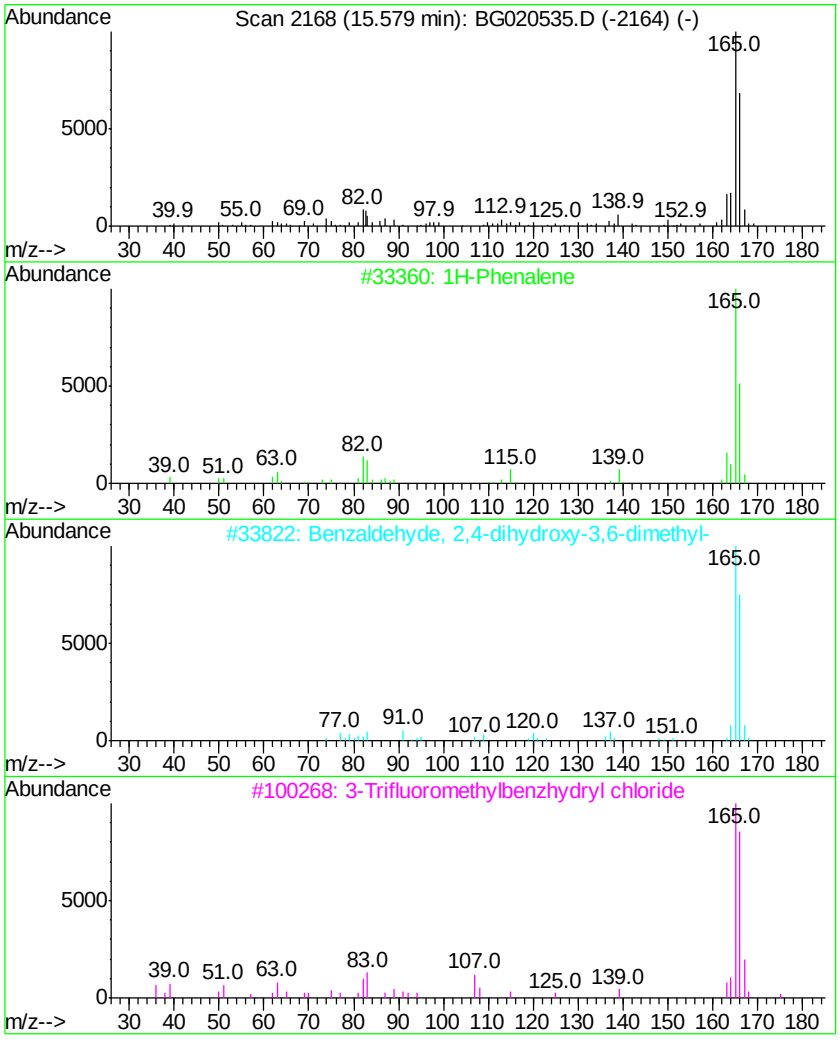
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

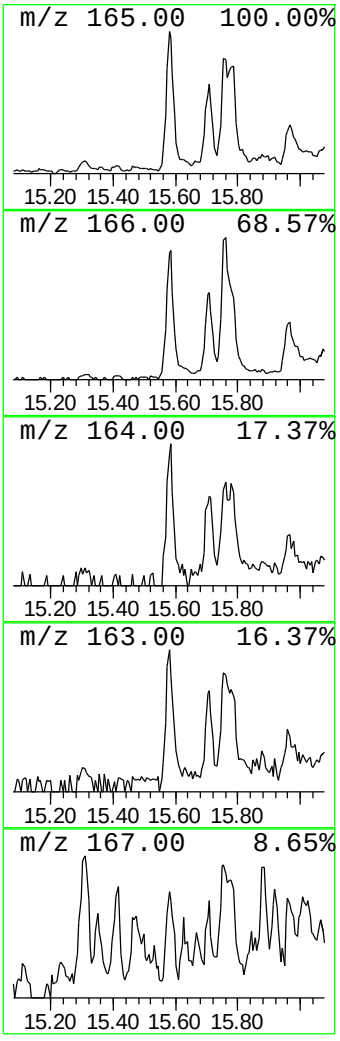
****

Peak Number 10 1H-Phenalene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	3.98 ng/ul	66120	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	87
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
3	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	56
4	Fluorene	166	C13H10	000086-73-7	52
5	Fluorene	166	C13H10	000086-73-7	50





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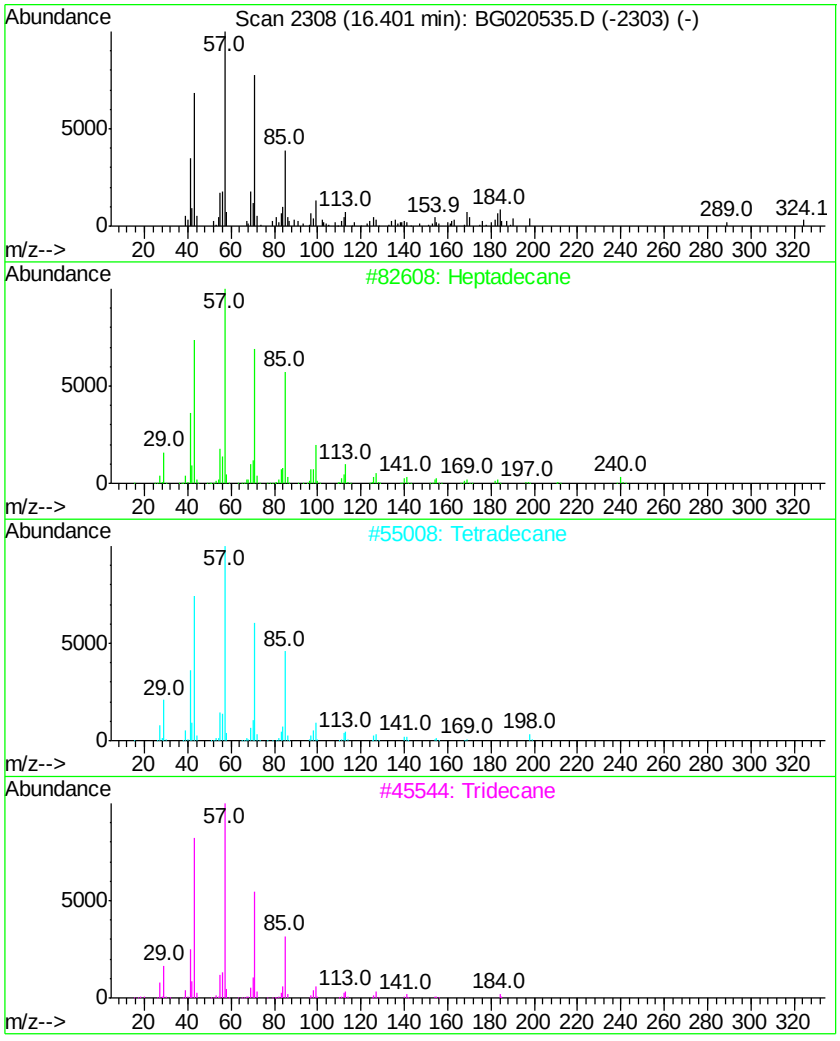
Quant Title : SVOA CALIBRATION

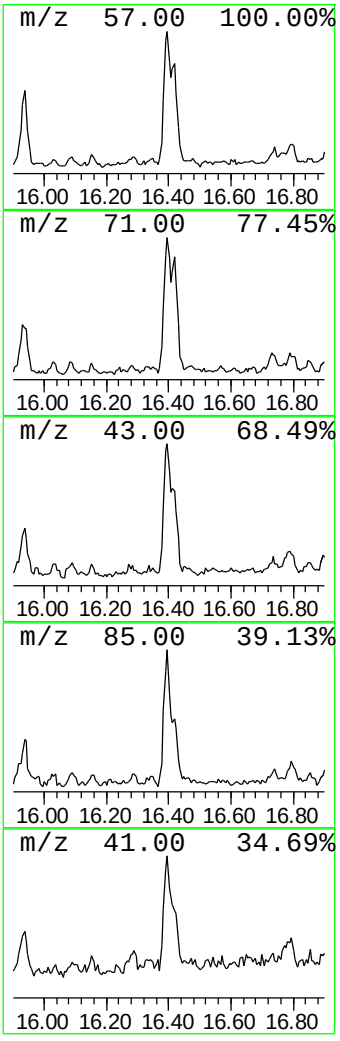
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	3.23 ng/ul	58158	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Tetradecane	198	C14H30	000629-59-4	93
3	Tridecane	184	C13H28	000629-50-5	91
4	Dodecane	170	C12H26	000112-40-3	87
5	Heptadecane	240	C17H36	000629-78-7	87





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ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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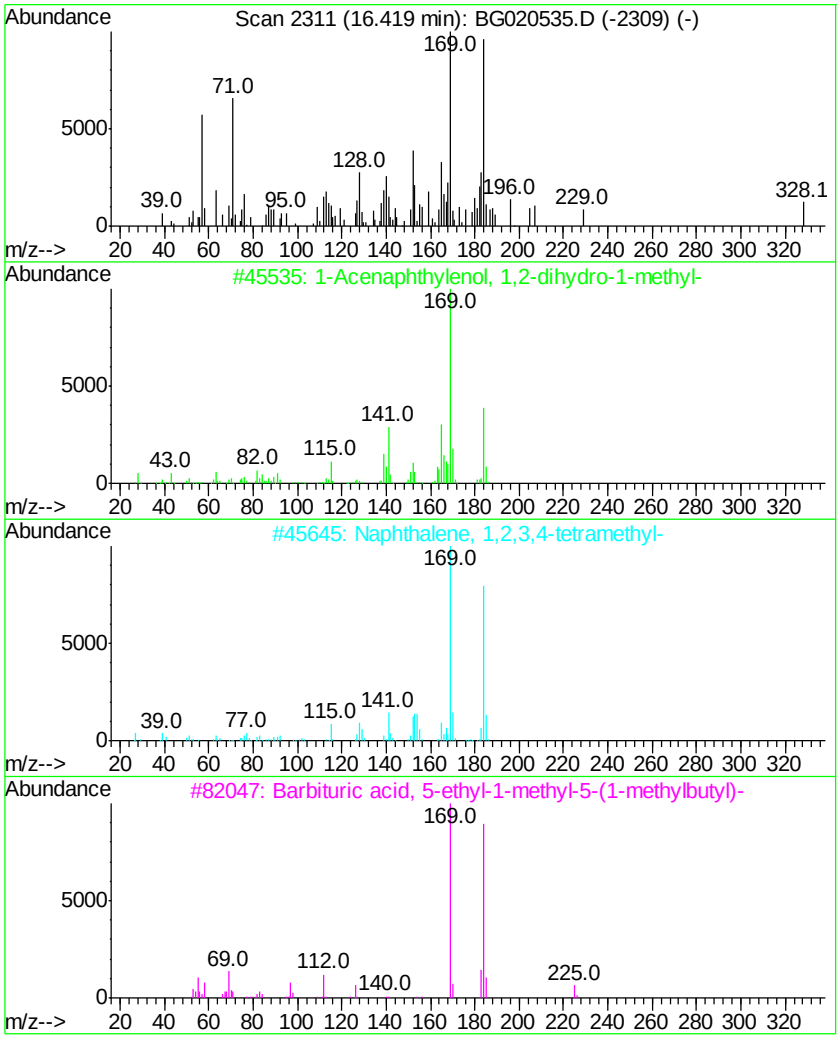
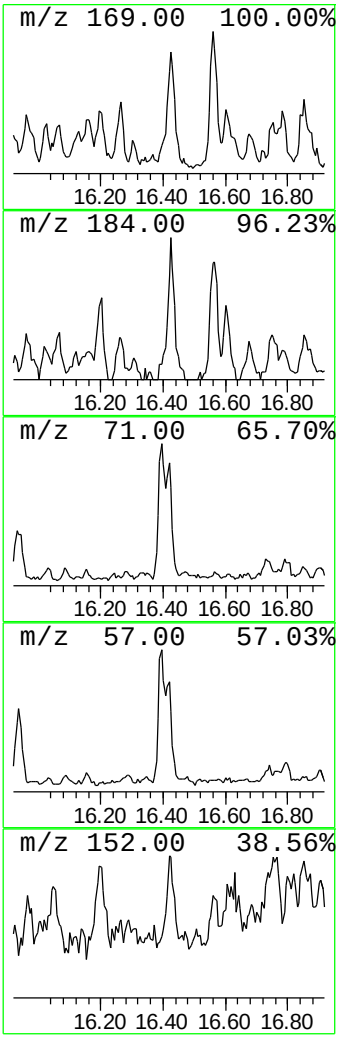
Peak Number 12 1-Acenaphthylenol, 1,2-dihy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	5.60 ng/ul	100861	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	53
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46
3	Barbituric acid, 5-ethyl-1-methy...	240	C12H20N2O3	057562-99-9	43
4	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	43
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	240	C12H20N2O3	055134-03-7	38





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Quant Title : SVOA CALIBRATION

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

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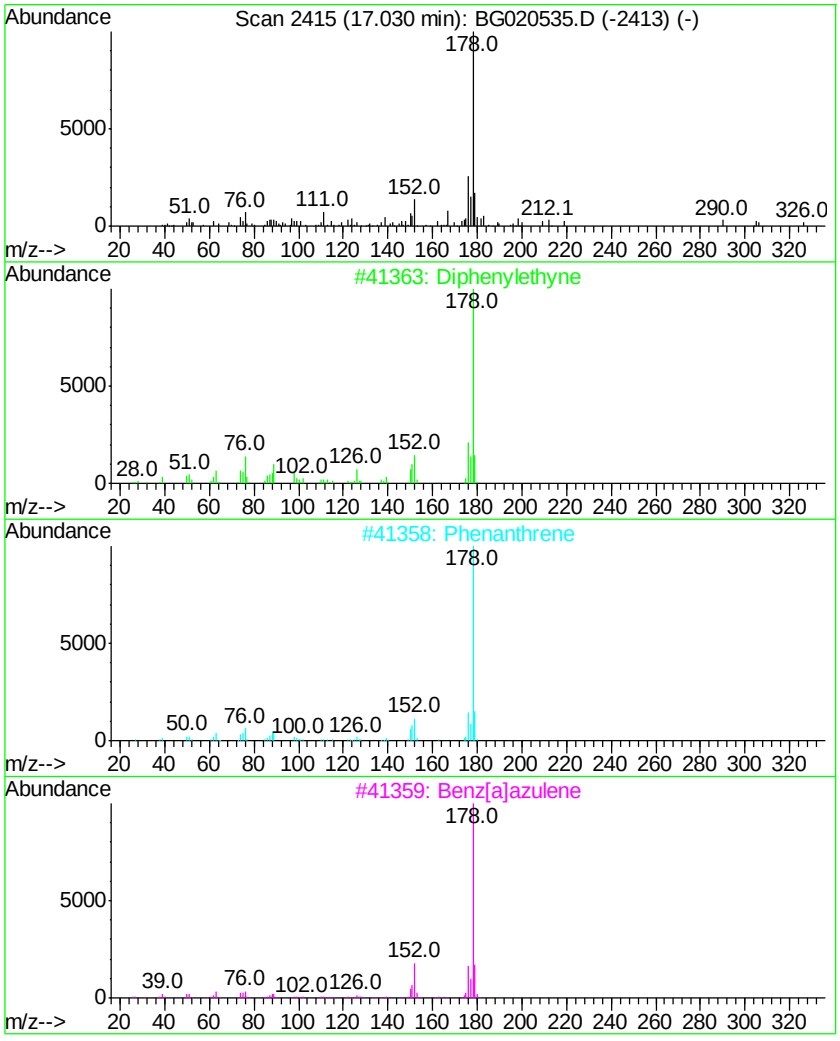
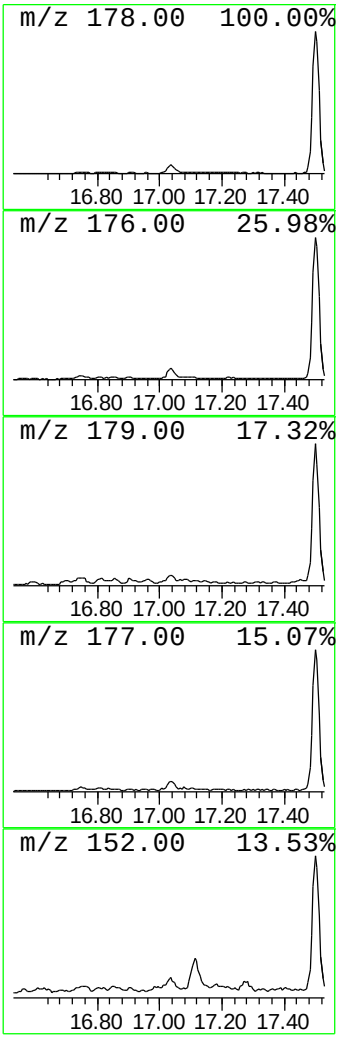
Peak Number 13 Diphenylethyne Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	2.66 ng/ul	47903	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylethyne	178	C14H10	000501-65-5	76
2	Phenanthrene	178	C14H10	000085-01-8	76
3	Benz[a]azulene	178	C14H10	000246-02-6	76
4	Anthracene	178	C14H10	000120-12-7	68
5	Diphenylethyne	178	C14H10	000501-65-5	68





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ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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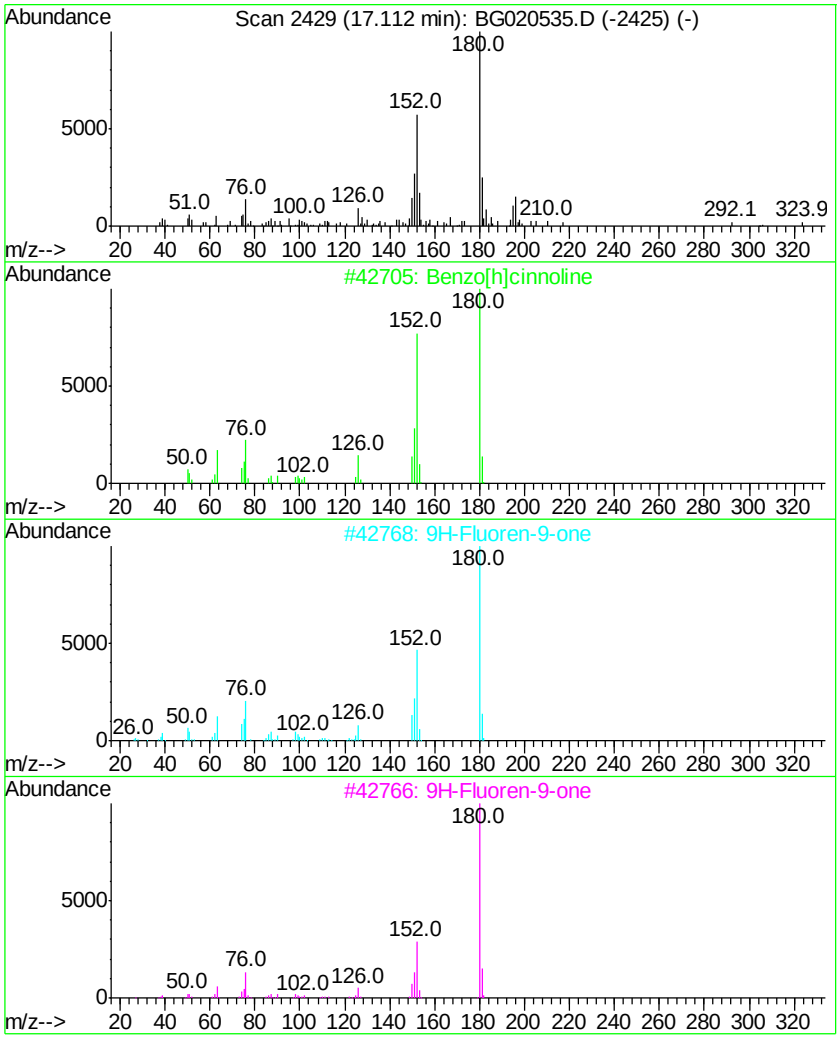
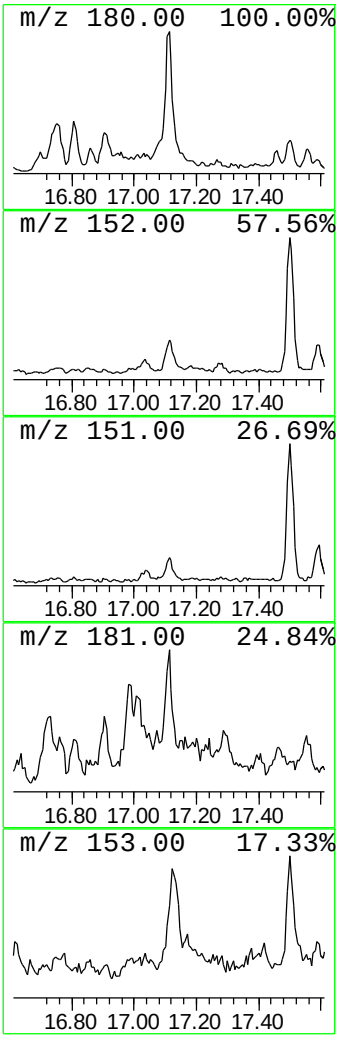
Peak Number 14 Benzo[h]cinnoline Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	3.58 ng/ul	64401	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	68
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	59
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	59





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Quant Title : SVOA CALIBRATION

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

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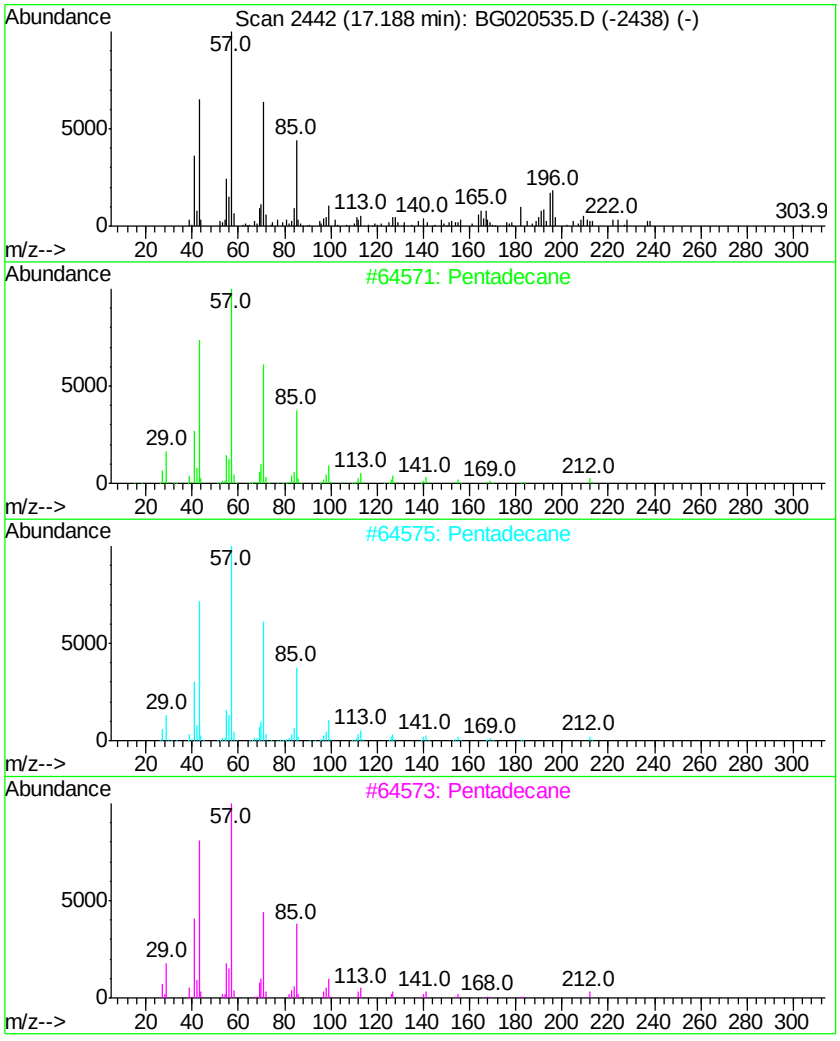
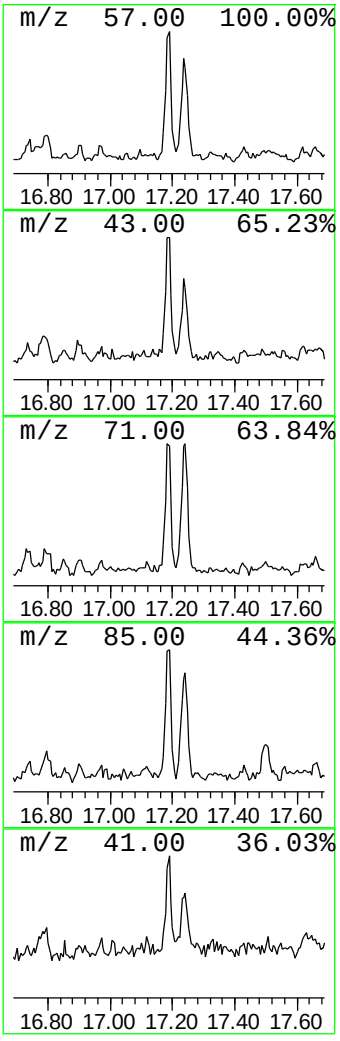
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	3.76 ng/ul	67753	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Pentadecane	212	C15H32	000629-62-9	92
3	Pentadecane	212	C15H32	000629-62-9	87
4	Tetradecane	198	C14H30	000629-59-4	58
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	52





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Quant Title : SVOA CALIBRATION

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

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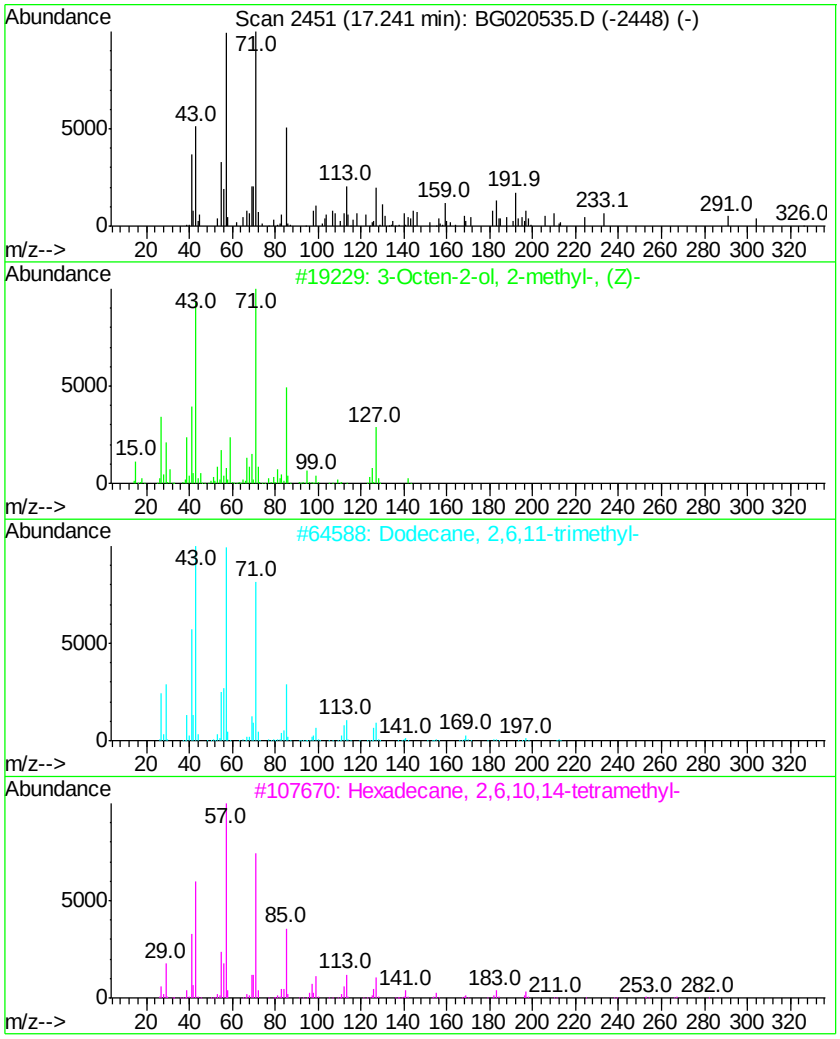
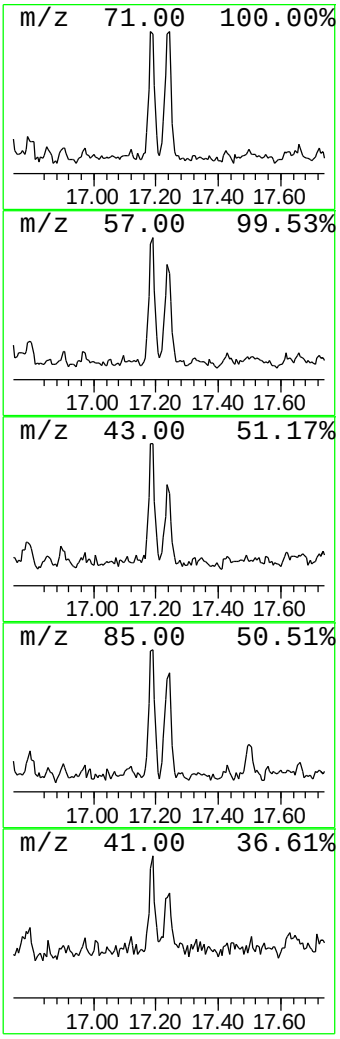
Peak Number 16 3-Octen-2-ol, 2-methyl-, (Z)- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	2.70 ng/ul	48524	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octen-2-ol, 2-methyl-, (Z)-	142	C9H18O	018521-07-8	76
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	68
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	62
5	Hexadecane	226	C16H34	000544-76-3	58





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ClientSampleId : G9D89

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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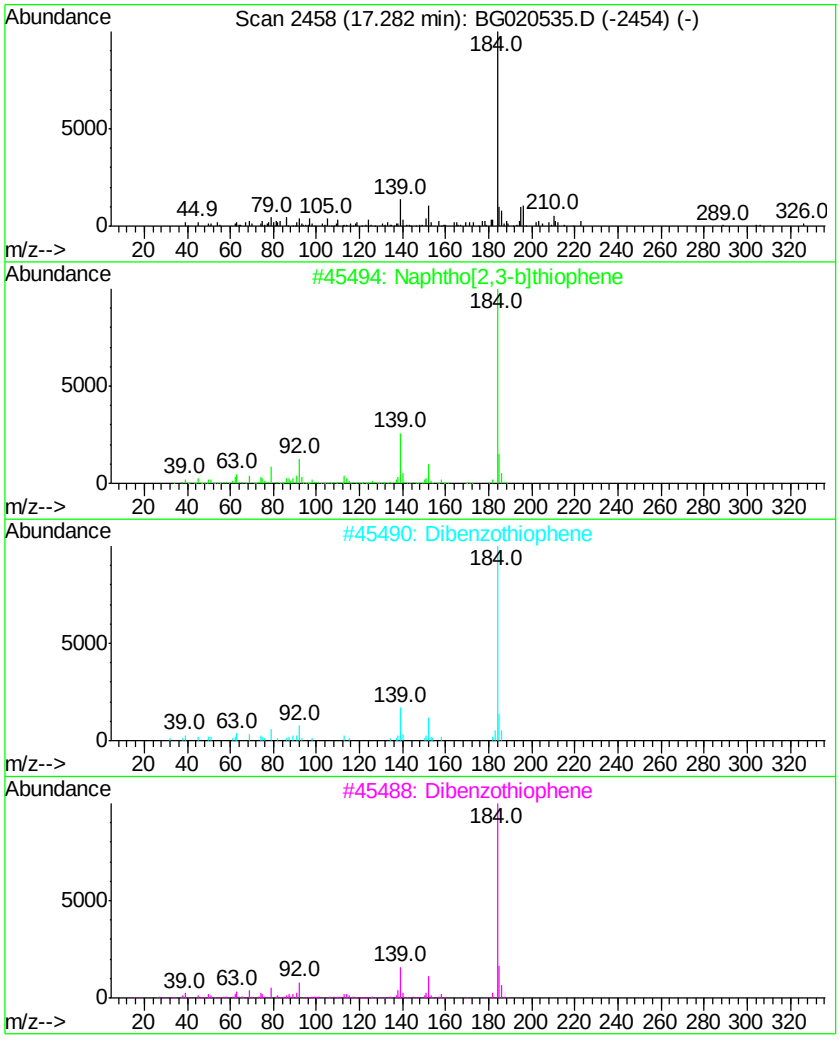
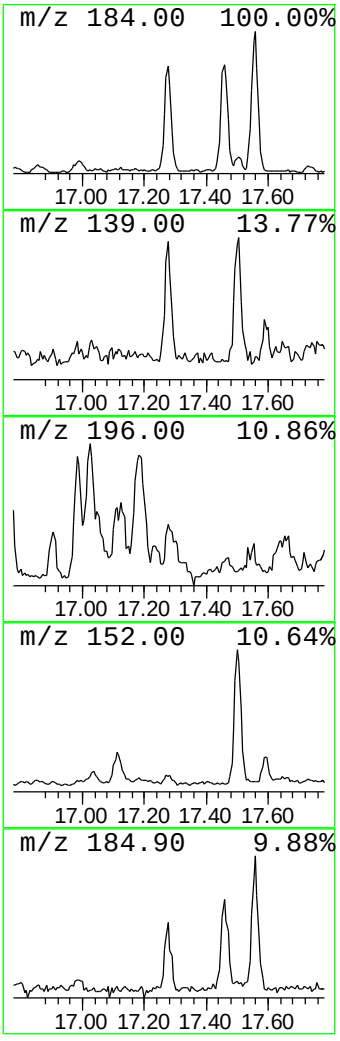
Peak Number 17 Naphtho[2,3-b]thiophene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.81 ng/ul	50633	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72
2	Dibenzothiophene	184	C12H8S	000132-65-0	64
3	Dibenzothiophene	184	C12H8S	000132-65-0	64
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	59
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	59





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Acq On : 26 Dec 2015 11:34
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Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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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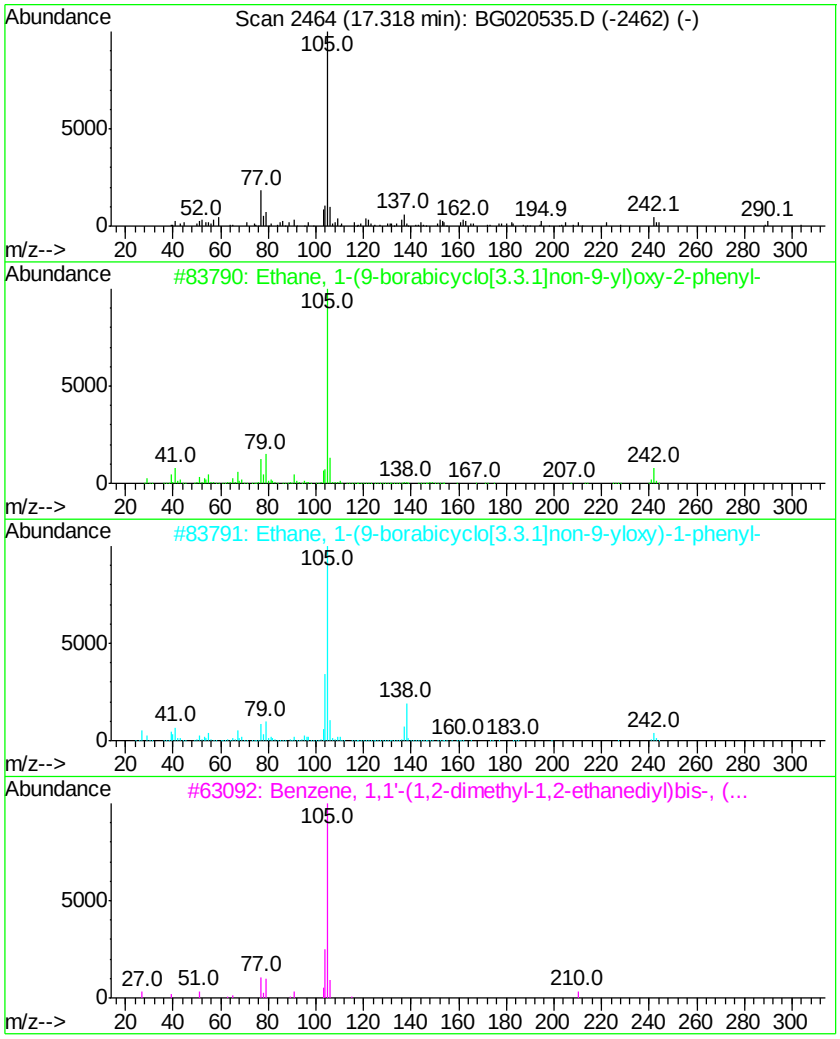
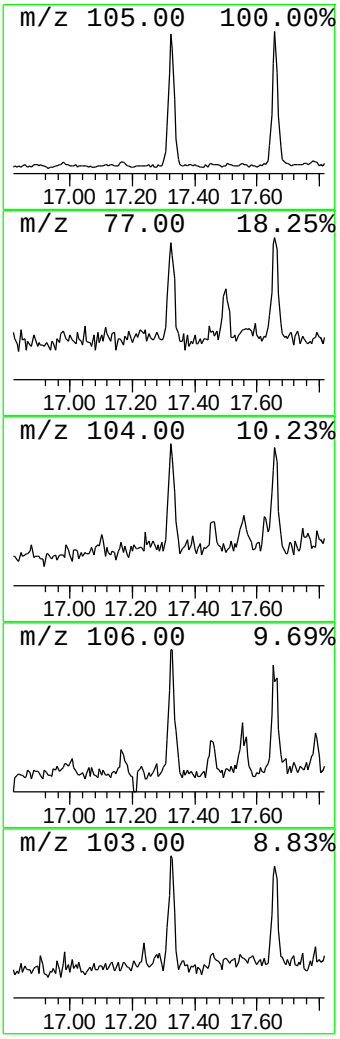
Peak Number 18 Ethane, 1-(9-borabicyclo[3.... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	2.65 ng/ul	47711	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-(9-borabicyclo[3.3.1]n...	242	C16H23BO	1000161-01-0	76
2	Ethane, 1-(9-borabicyclo[3.3.1]n...	242	C16H23BO	1000160-80-6	64
3	Benzene, 1,1'-(1,2-dimethyl-1,2-...	210	C16H18	002726-21-8	58
4	Benzene, 1,1'-(1,2-dimethyl-1,2-...	210	C16H18	005789-35-5	52
5	Benzene, 1,1'-(1,2-dimethyl-1,2-...	210	C16H18	004613-11-0	52





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : G9D89

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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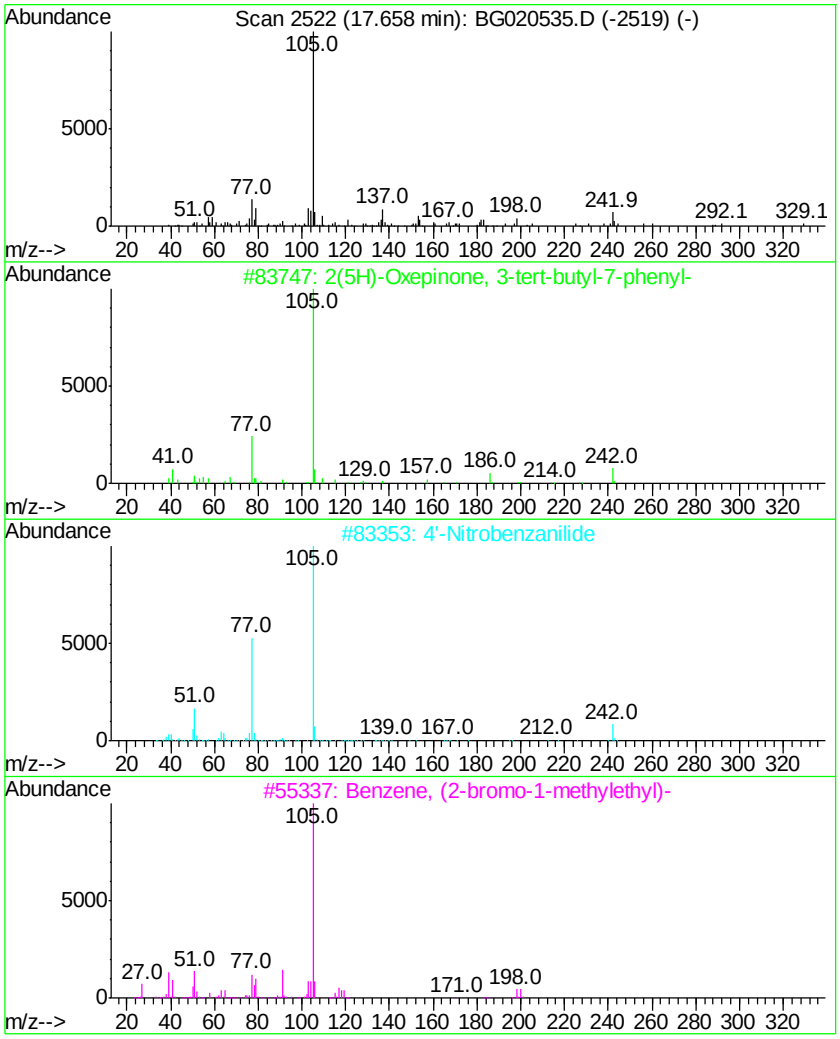
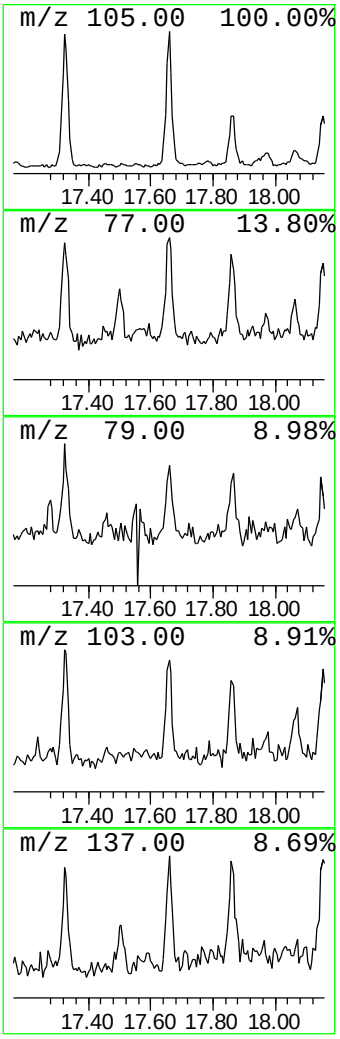
Peak Number 19 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	3.59 ng/ul	64632	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(5H)-Oxepinone, 3-tert-butyl-7-...	242	C16H18O2	1000142-27-9	38
2	4'-Nitrobenzanilide	242	C13H10N2O3	003393-96-2	38
3	Benzene, (2-bromo-1-methylethyl)-	198	C9H11Br	001459-00-3	38
4	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	38
5	Etomidate	244	C14H16N2O2	033125-97-2	35





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Instrument : BNA_G
ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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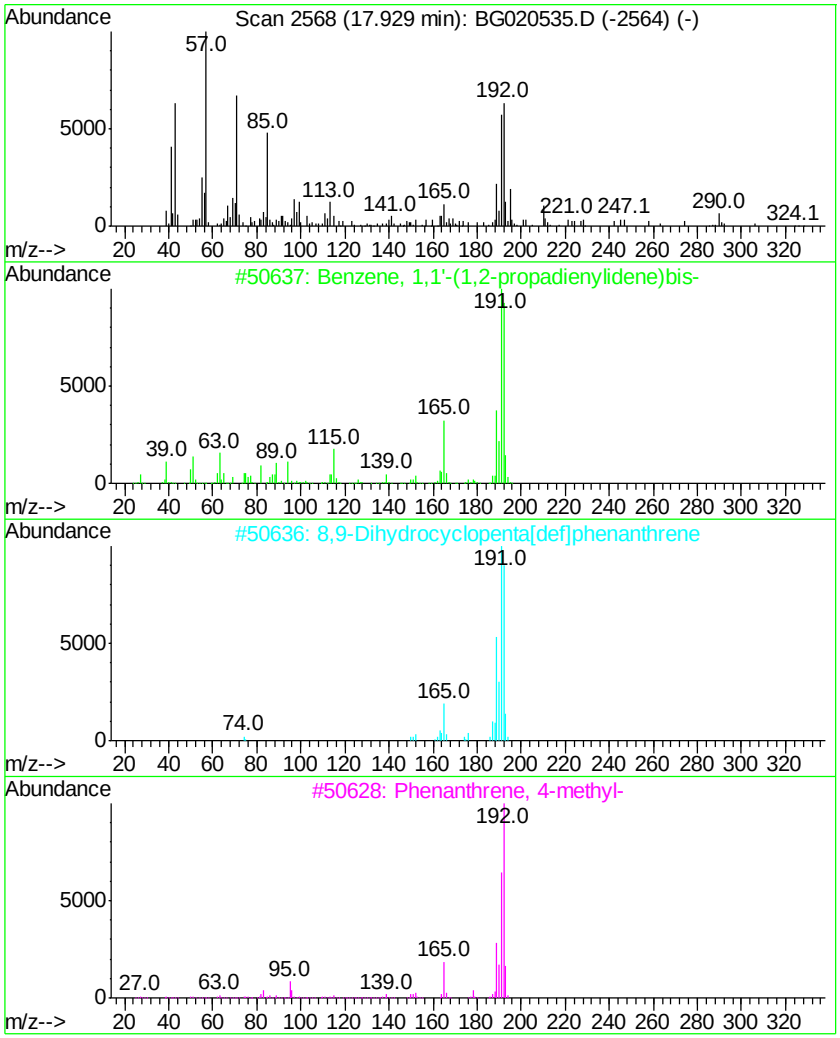
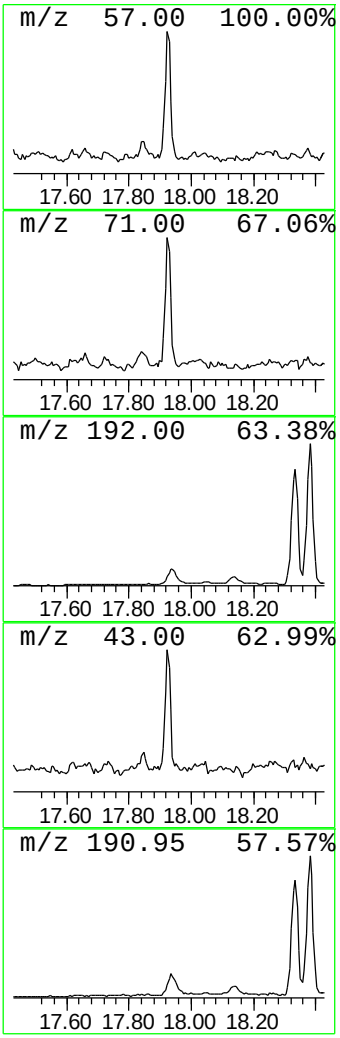
Peak Number 20 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	5.23 ng/ul	94072	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38





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Instrument : BNA_G
ClientSampleId : G9D89

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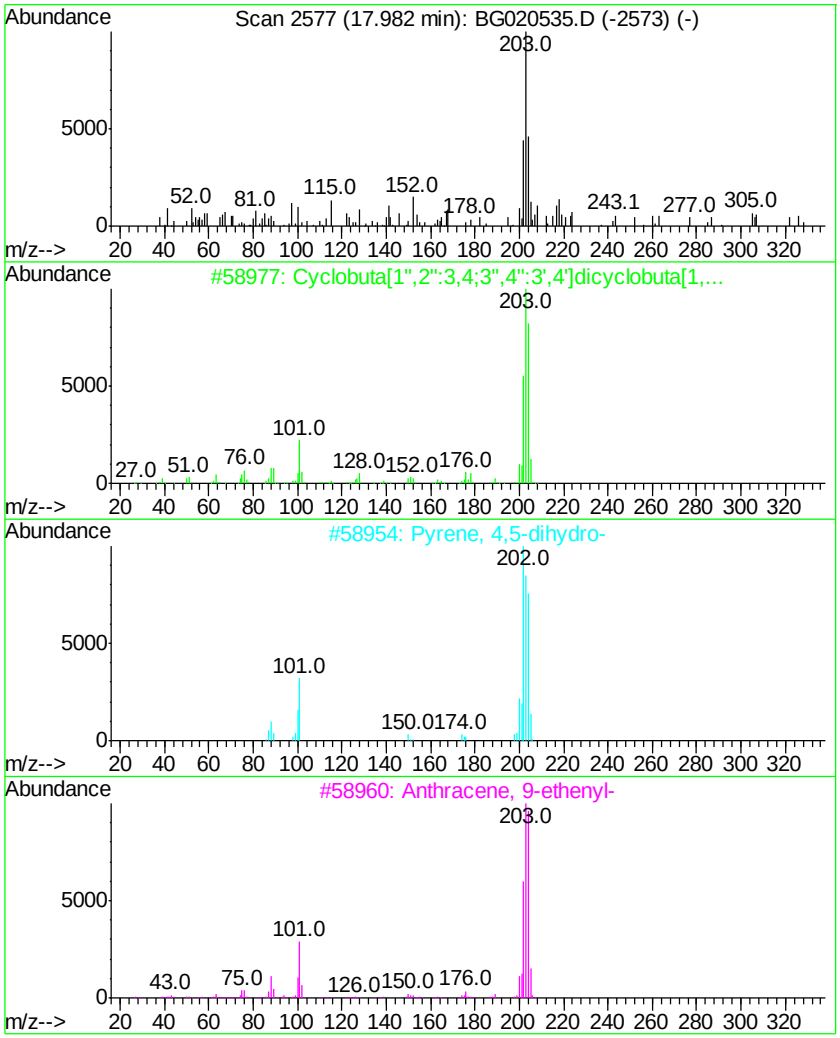
Quant Title : SVOA CALIBRATION

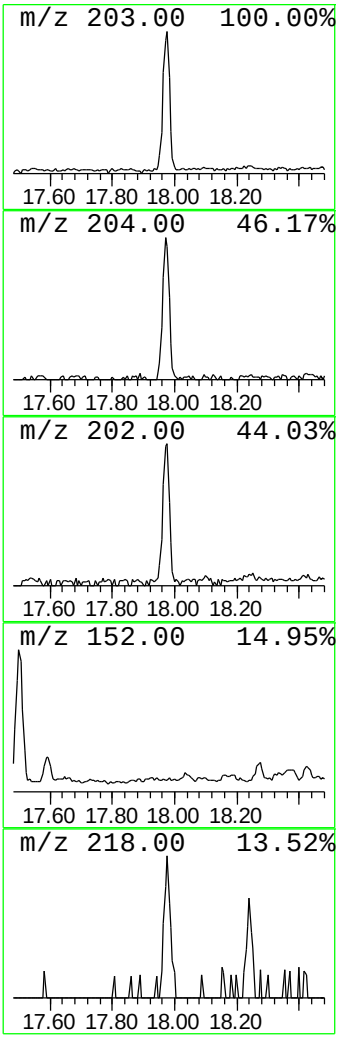
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclobuta[1'',2'':3,4;3'',4... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	2.75 ng/ul	49564	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	60
2	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	49
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	41
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	38





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Sample : G4802-14
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ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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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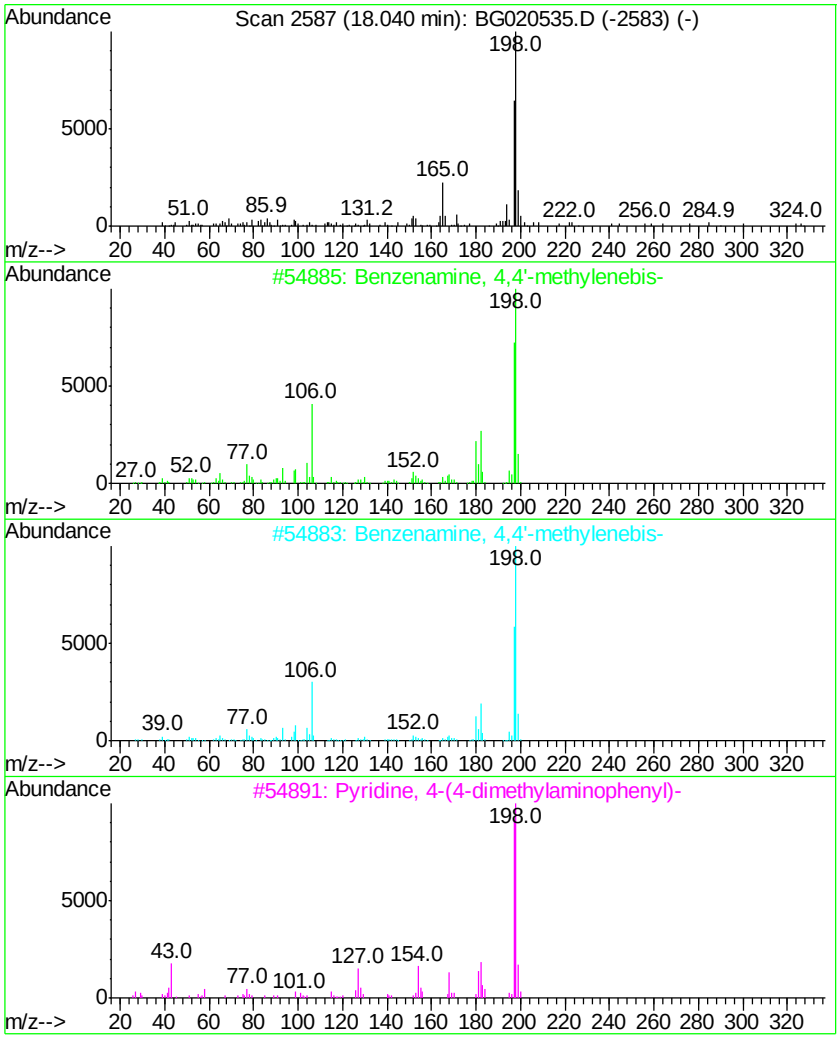
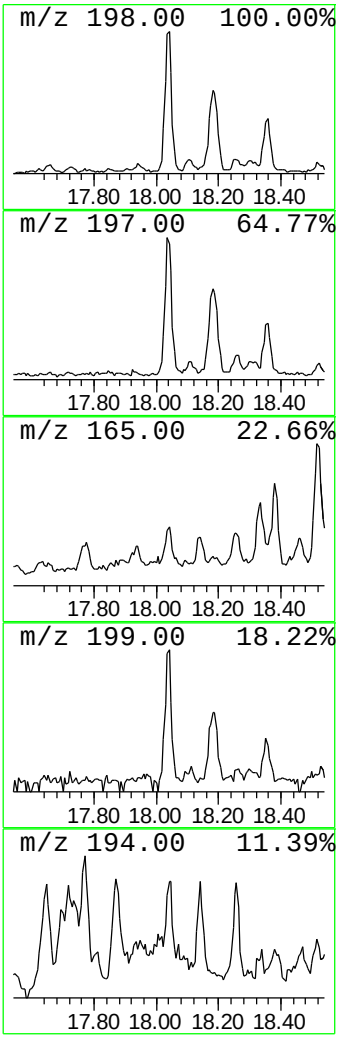
Peak Number 22 Benzenamine, 4,4'-methylene... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.09 ng/ul	55547	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
3	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	59
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
5	Thioxanthene	198	C13H10S	000261-31-4	49





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Sample : G4802-14
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ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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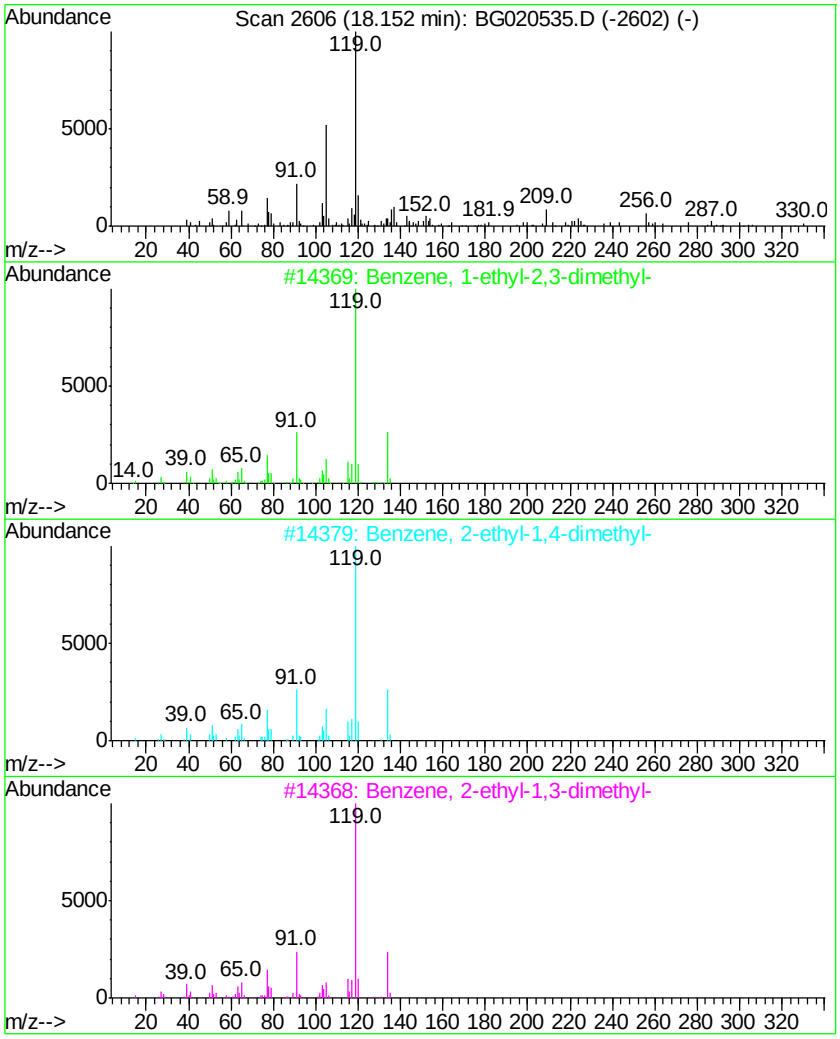
Quant Title : SVOA CALIBRATION

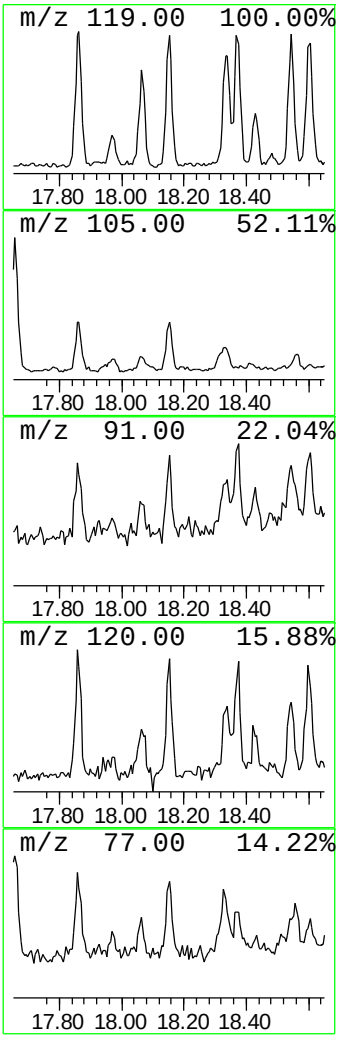
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.33 ng/ul	60006	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	53
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53
4	Benzil monohydrazone	224	C14H12N2O	005344-88-7	53
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	53





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Sample : G4802-14
Misc :
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Instrument : BNA_G
ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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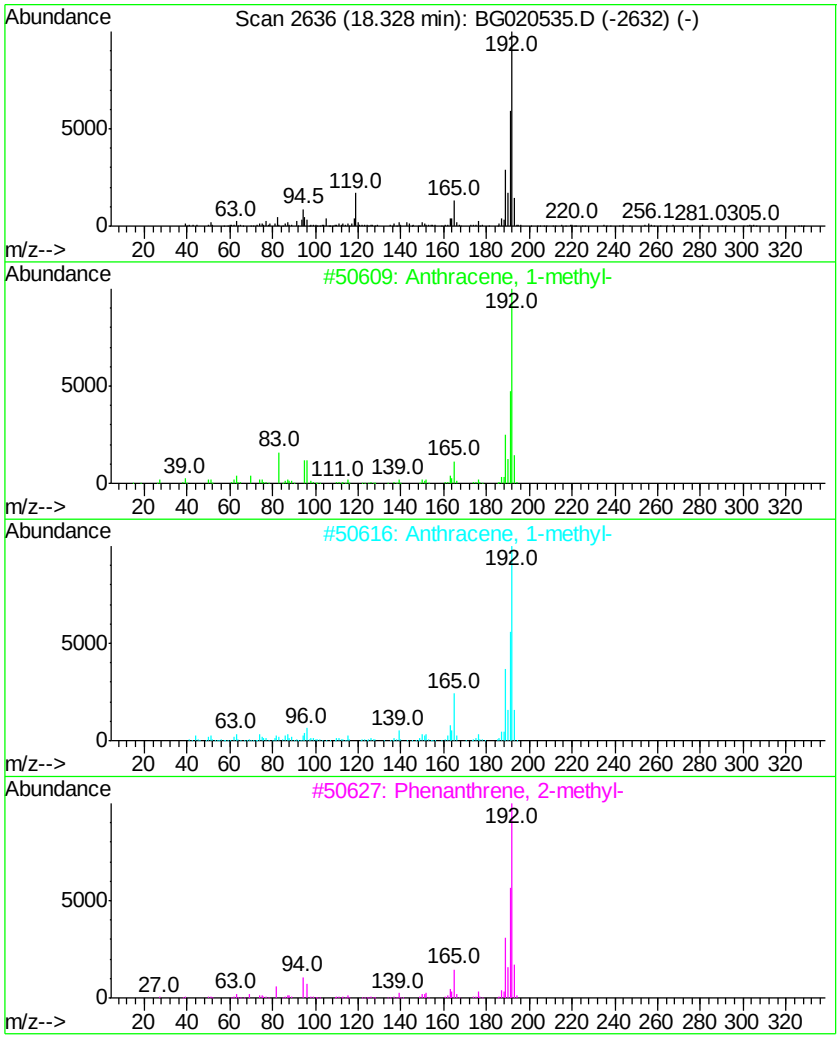
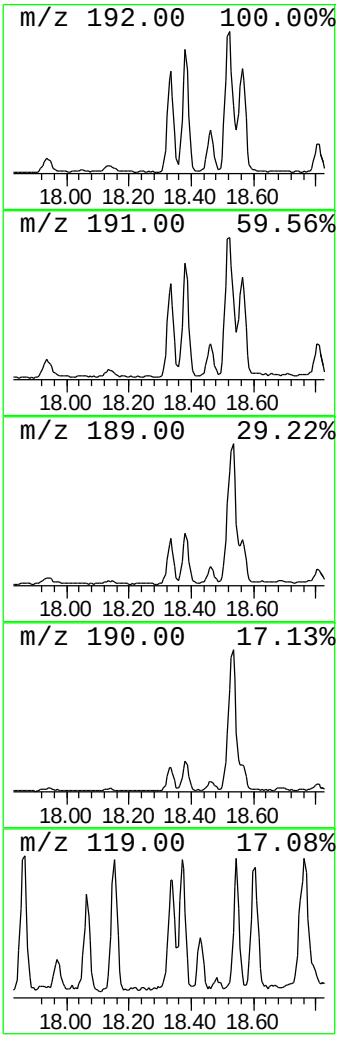
Peak Number 24 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	13.44 ng/ul	241896	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Misc :
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Instrument : BNA_G
ClientSampleId : G9D89

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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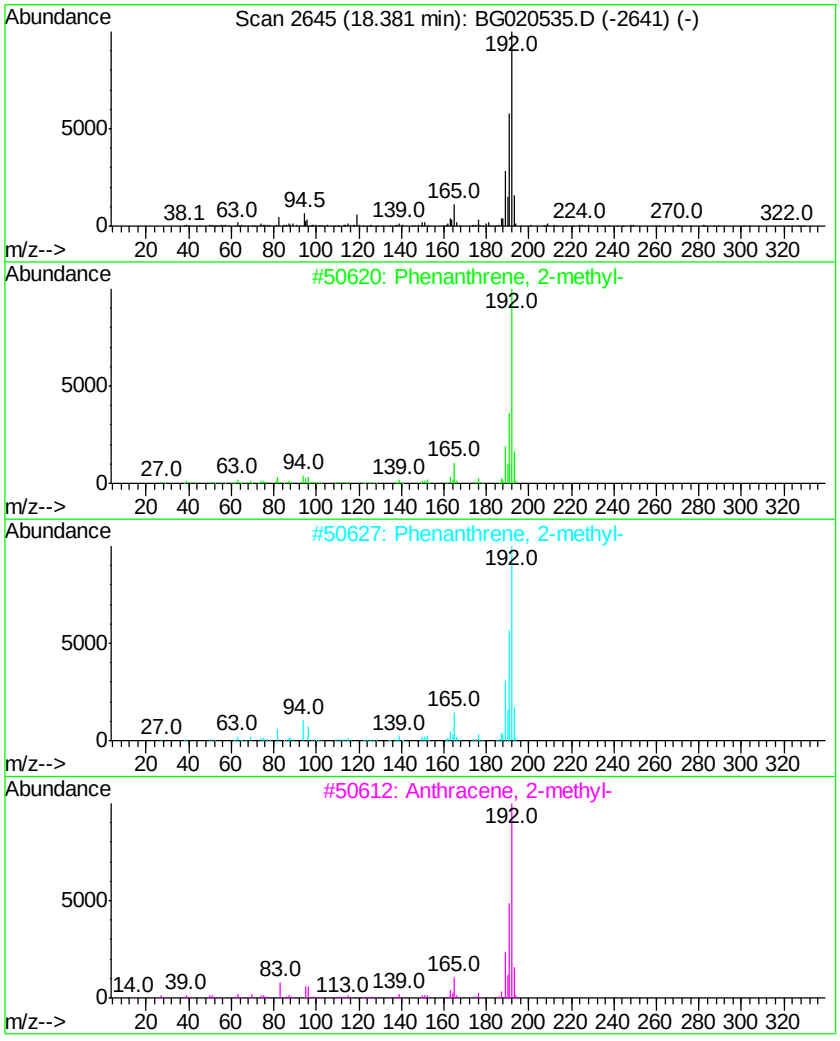
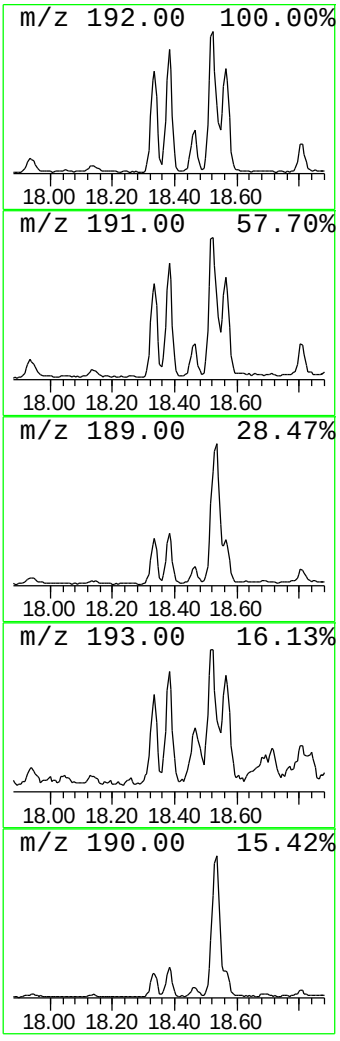
Peak Number 25 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	14.99 ng/ul	269806	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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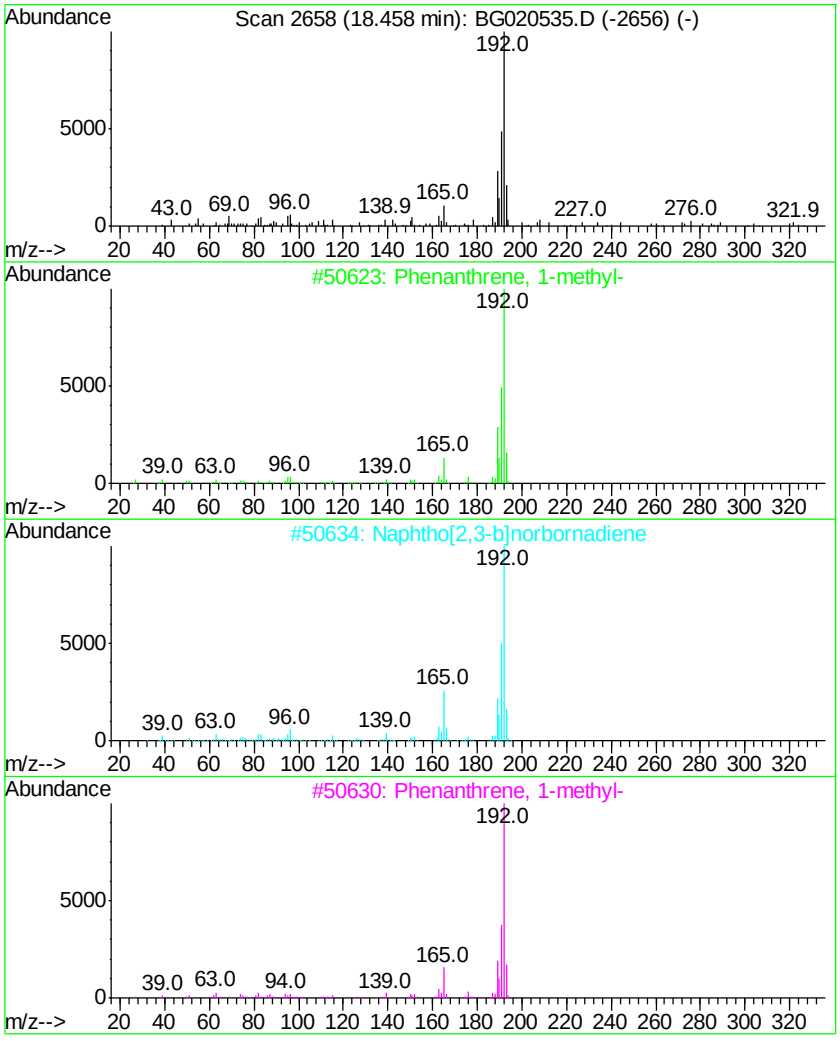
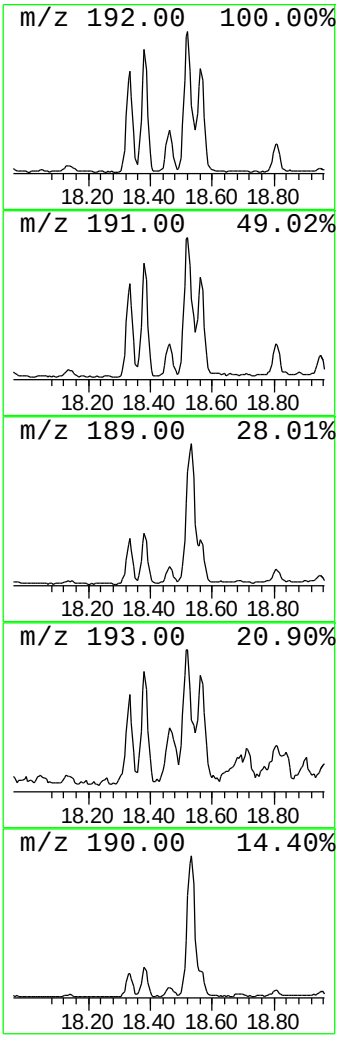
Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.28 ng/ul	59027	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81





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Instrument : BNA_G
ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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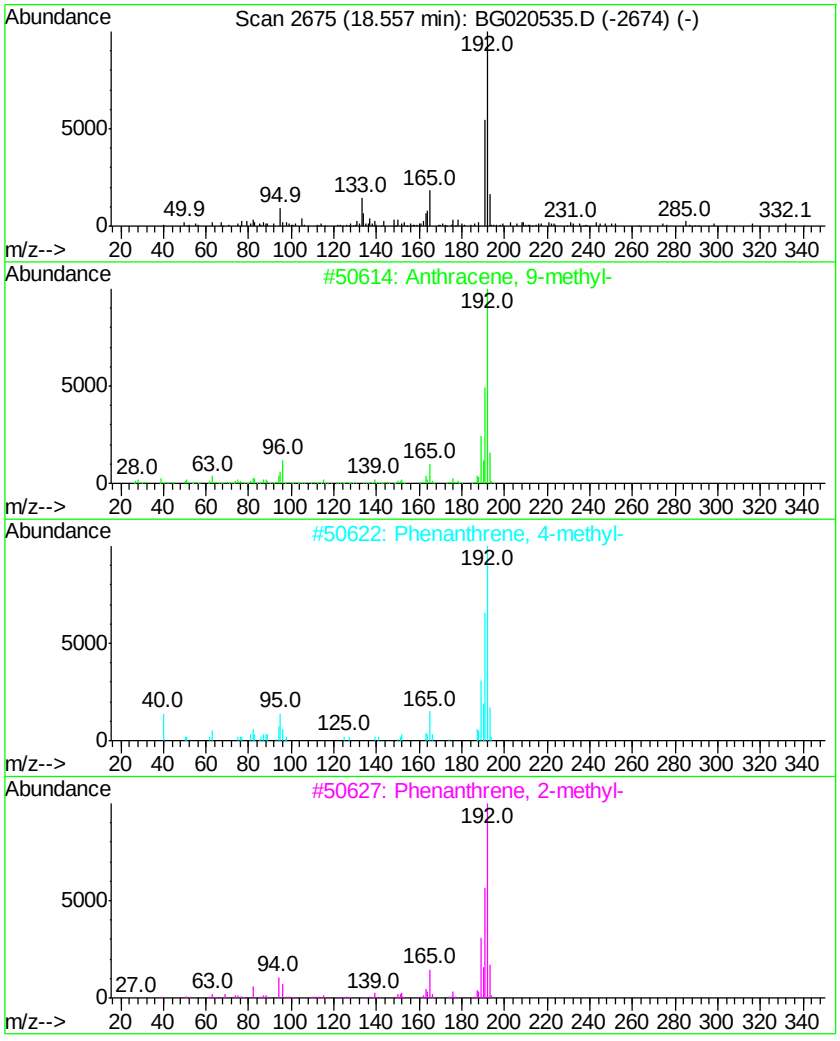
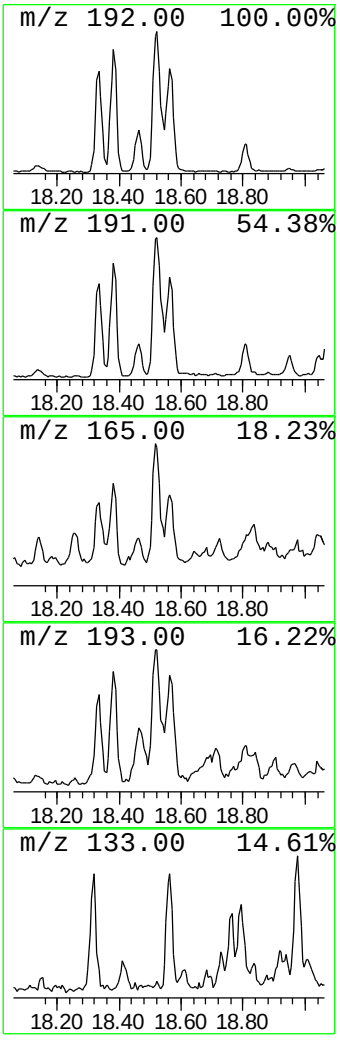
Peak Number 29 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	8.94 ng/ul	160906	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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Quant Title : SVOA CALIBRATION

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

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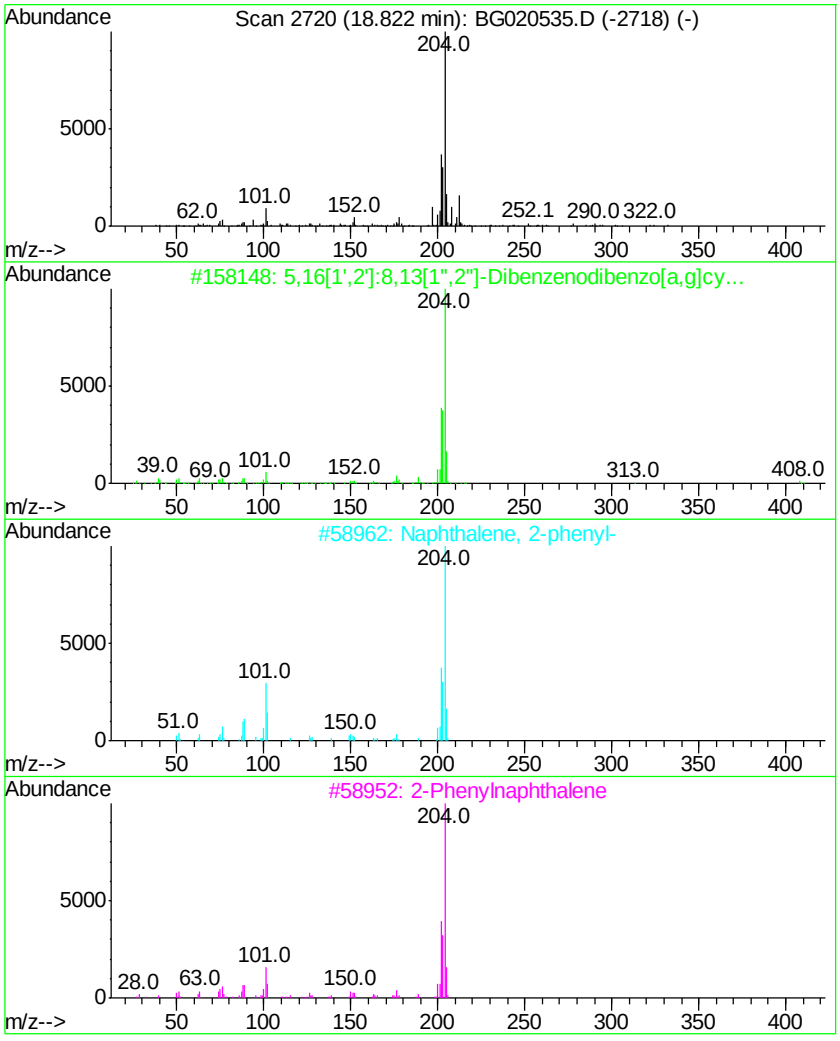
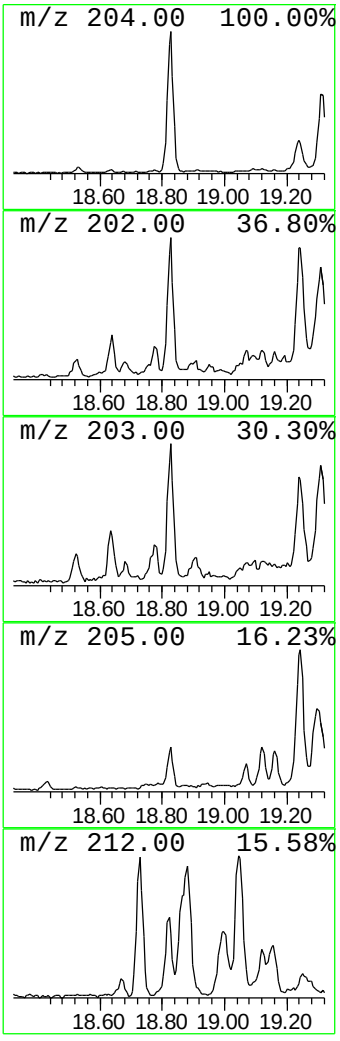
Peak Number 30 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.56 ng/ul	118004	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	58
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
Operator : UM/SJ
Sample : G4802-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89

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
Butane, 2-methoxy...	3.17	4.9	ng/ul	28723	1	8.08	116620	20.0
Pyridine, 5-ethen...	11.55	3.4	ng/ul	32245	2	10.89	189966	20.0
Naphthalene, 1-me...	12.76	6.3	ng/ul	59410	2	10.89	189966	20.0
Benzene, (1-nitro...	13.60	5.1	ng/ul	84403	3	14.71	332604	20.0
Naphthalene, 2,3-...	14.03	4.5	ng/ul	74387	3	14.71	332604	20.0
Octadecane, 1-chl...	14.59	2.4	ng/ul	39422	3	14.71	332604	20.0
3-(2-Methyl-prope...	15.31	4.0	ng/ul	66132	3	14.71	332604	20.0
(DEL) Alkane: Str...	15.53	3.2	ng/ul	53541	3	14.71	332604	20.0
1H-Phenalene	15.58	4.0	ng/ul	66120	3	14.71	332604	20.0
(DEL) Alkane: Str...	16.40	3.2	ng/ul	58158	4	17.46	359983	20.0
1-Acenaphthylenol...	16.42	5.6	ng/ul	100861	4	17.46	359983	20.0
Diphenylethyne	17.03	2.7	ng/ul	47903	4	17.46	359983	20.0
Benzo[h]cinnoline	17.11	3.6	ng/ul	64401	4	17.46	359983	20.0
(DEL) Alkane: Str...	17.19	3.8	ng/ul	67753	4	17.46	359983	20.0
3-Octen-2-ol, 2-m...	17.24	2.7	ng/ul	48524	4	17.46	359983	20.0
Naphtho[2,3-b]thi...	17.28	2.8	ng/ul	50633	4	17.46	359983	20.0
Ethane, 1-(9-bora...	17.32	2.6	ng/ul	47711	4	17.46	359983	20.0
unknown-01	17.66	3.6	ng/ul	64632	4	17.46	359983	20.0
unknown-02	17.93	5.2	ng/ul	94072	4	17.46	359983	20.0
Cyclobuta[1'',2''...	17.98	2.8	ng/ul	49564	4	17.46	359983	20.0
Benzenamine, 4,4'...	18.04	3.1	ng/ul	55547	4	17.46	359983	20.0
Benzene, 1-ethyl-...	18.15	3.3	ng/ul	60006	4	17.46	359983	20.0
Anthracene, 1-met...	18.33	13.4	ng/ul	241896	4	17.46	359983	20.0
Phenanthrene, 2-m...	18.38	15.0	ng/ul	269806	4	17.46	359983	20.0
Phenanthrene, 1-m...	18.46	3.3	ng/ul	59027	4	17.46	359983	20.0
Anthracene, 9-met...	18.56	8.9	ng/ul	160906	4	17.46	359983	20.0
5,16[1',2']:8,13[...	18.82	6.6	ng/ul	118004	4	17.46	359983	20.0