LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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	7.251	743	751	757	rBV	65417	110885	0.95%	0.143%
2	7.621	808	814	820	rVB	65612	109263	0.93%	0.141%
3	8.091	887	894	901	rVB	81161	134079	1.15%	0.173%
4	8.632	979	986	995	rBV	120459	206510	1.77%	0.267%
5	8.802	1007	1015	1024	rBB2	88468	147712	1.26%	0.191%
6	9.260	1086	1093	1104	rBV	67242	128273	1.10%	0.166%
7	9.983	1209	1216	1226	rBV	61339	108007	0.92%	0.140%
8	10.535	1303	1310	1317	rBV	99471	176730	1.51%	0.229%
9	10.917	1368	1375	1377	rBV	99663	192863	1.65%	0.250%
10	10.982	1377	1386	1392	rVV	2614657	5416411	46.30%	7.007%
11	11.041	1392	1396	1400	rVV	76594	150048	1.28%	0.194%
12	11.082	1400	1403	1411	rVB	104542	168318	1.44%	0.218%
13	12.568	1645	1656	1662	rBV	1553767	2638480	22.55%	3.413%
14	12.780	1681	1692	1700	rVV	799757	1353595	11.57%	1.751%
15	13.561	1816	1825	1831	rBV	615712	976459	8.35%	1.263%
16	13.755	1851	1858	1870	rVB	219177	410968	3.51%	0.532%
17	13.890	1870	1881	1882	rBV	228045	388484	3.32%	0.503%
18	14.043	1899	1907	1912	rVV	336185	615873	5.26%	0.797%
19	14.102	1912	1917	1919	rVV	227205	384259	3.28%	0.497%
20	14.125	1919	1921	1926	rVV	194889	262106	2.24%	0.339%
21	14.172	1926	1929	1935	rVB	92385	125694	1.07%	0.163%
22	14.278	1940	1947	1951	rBV	140312	229118	1.96%	0.296%
23	14.419	1964	1971	1974	rBV	214252	379827	3.25%	0.491%
24	14.695	2012	2018	2021	rBV	244862	376954	3.22%	0.488%
25	14.725	2021	2023	2028	rVV2	187379	283299	2.42%	0.367%
26	14.801	2028	2036	2042	rVV	2762671	4862349	41.56%	6.290%
27	14.860	2042	2046	2051	rVV	134975	209912	1.79%	0.272%
28	14.930	2051	2058	2066	rVV2	116385	246809	2.11%	0.319%
29	15.030	2066	2075	2080	rVV2	119354	222609	1.90%	0.288%
30	15.130	2084	2092	2098	rVV	1869767	3159171	27.00%	4.087%
31	15.195	2098	2103	2112	rVB2	84736	155892	1.33%	0.202%
32	15.330	2119	2126	2131	rBV3	62967	116734	1.00%	0.151%
33	15.389	2131	2136	2145	rVB2	65006	109974	0.94%	0.142%
34	15.506	2148	2156	2159	rBV3	52364	116005	0.99%	0.150%

LSC Area Percent Report

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Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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	15.718	2187	2192	2196	rVV	250507	403352	3.45%	0.522%
36	15.782	2196	2203	2209	rVB	2274555	3714467	31.75%	4.805%
37	15.864	2209	2217	2219	rBV3	118029	242032	2.07%	0.313%
38	15.894	2219	2222	2225	rVV	176716	277635	2.37%	0.359%
39	15.935	2225	2229	2233	rVV2	324702	507039	4.33%	0.656%
40	15.982	2233	2237	2240	rVV2	73179	114023	0.97%	0.148%
41	16.023	2240	2244	2247	rVV	143448	237940	2.03%	0.308%
42	16.064	2247	2251	2259	rVB	355546	537315	4.59%	0.695%
43	16.211	2259	2276	2283	rBV	370351	829636	7.09%	1.073%
44	16.299	2288	2291	2297	rVB2	68070	96527	0.83%	0.125%
45	16.564	2331	2336	2342	rVB	133546	199842	1.71%	0.259%
46	16.769	2359	2371	2376	rBV2	244502	580086	4.96%	0.750%
47	16.816	2376	2379	2385	rBV3	84420	131217	1.12%	0.170%
48	16.916	2391	2396	2401	rVB2	109375	192421	1.64%	0.249%
49	16.998	2401	2410	2413	rBV2	85213	220955	1.89%	0.286%
50	17.040	2413	2417	2420	rVB2	71333	95508	0.82%	0.124%
51	17.128	2427	2432	2437	rVB	110045	187246	1.60%	0.242%
52	17.198	2437	2444	2454	rBV6	119937	322726	2.76%	0.418%
53	17.292	2454	2460	2476	rVB	615916	995088	8.51%	1.287%
54	17.545	2479	2503	2507	rBV	5102872	11698528	100.00%	15.134%
55	17.580	2507	2509	2511	rVV	303625	345677	2.95%	0.447%
56	17.615	2511	2515	2520	rVB	580414	820296	7.01%	1.061%
57	17.874	2553	2559	2567	rBV	373839	607898	5.20%	0.786%
58	17.985	2573	2578	2583	rVV	141456	200132	1.71%	0.259%
59	18.050	2584	2589	2598	rVB3	64180	133661	1.14%	0.173%
60	18.191	2608	2613	2621	rVB	51327	112746	0.96%	0.146%
61	18.344	2634	2639	2643	rVV	480912	735101	6.28%	0.951%
62	18.397	2643	2648	2653	rVB	642491	938472	8.02%	1.214%
63	18.473	2653	2661	2666	rBV	203658	341583	2.92%	0.442%
64	18.550	2666	2674	2684	rVB2	968377	1997793	17.08%	2.585%
65	18.837	2718	2723	2728	rVV	458037	624958	5.34%	0.809%
66	19.078	2760	2764	2769	rVB2	82461	109507	0.94%	0.142%
67	19.249	2788	2793	2799	rBV	124179	243848	2.08%	0.315%
68	19.537	2833	2842	2847	rBV	3682075	6601112	56.43%	8.540%
69	19.766	2875	2881	2890	rVB	161312	275341	2.35%	0.356%
70	19.860	2890	2897	2898	rBV2	1118431	1677629	14.34%	2.170%
71	19.895	2899	2903	2908	rVV	2799075	4330715	37.02%	5.603%

LSC Area Percent Report

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Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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	19.948	2908	2912	2919	rVB3	143956	236334	2.02%	0.306%
73	20.054	2920	2930	2935	rBV	200208	297178	2.54%	0.384%
74	20.189	2948	2953	2955	rBV	159671	247678	2.12%	0.320%
75	20.253	2961	2964	2969	rVB	83041	104280	0.89%	0.135%
76	20.371	2979	2984	2988	rVB	506128	743014	6.35%	0.961%
77	20.471	2994	3001	3005	rBV	575315	869651	7.43%	1.125%
78	20.530	3005	3011	3014	rVV2	167114	328255	2.81%	0.425%
79	20.565	3014	3017	3020	rVV	111148	147126	1.26%	0.190%
80	20.665	3030	3034	3038	rBV	84406	126876	1.08%	0.164%
81	20.712	3038	3042	3045	rVV	96576	152190	1.30%	0.197%
82	20.888	3068	3072	3076	rBV	77383	108421	0.93%	0.140%
83	21.082	3100	3105	3111	rBV	57982	118654	1.01%	0.154%
84	21.317	3137	3145	3149	rBV	164556	277013	2.37%	0.358%
85	21.364	3149	3153	3157	rVV	163185	268642	2.30%	0.348%
86	21.411	3157	3161	3166	rVV2	119016	225067	1.92%	0.291%
87	21.599	3185	3193	3201	rBV	50484	115553	0.99%	0.149%
88	21.734	3206	3216	3222	rVV3	881452	2133730	18.24%	2.760%
89	21.793	3222	3226	3238	rVB	629830	1098502	9.39%	1.421%
90	21.946	3247	3252	3261	rVV	175441	297762	2.55%	0.385%
91	22.157	3282	3288	3295	rVB2	76541	155774	1.33%	0.202%
92	22.480	3335	3343	3348	rVV	71135	166770	1.43%	0.216%
93	22.809	3394	3399	3408	rVV3	60097	134932	1.15%	0.175%
94	23.978	3588	3598	3605	rBV	195611	675719	5.78%	0.874%
95	24.231	3635	3641	3651	rVB2	35610	90959	0.78%	0.118%
96	24.713	3713	3723	3729	rVV	81994	239975	2.05%	0.310%
97	24.789	3729	3736	3742	rVV	191924	522372	4.47%	0.676%
98	24.866	3743	3749	3762	rVV2	137859	397613	3.40%	0.514%
99	25.018	3764	3775	3783	rVV	173484	544049	4.65%	0.704%
100	25.101	3783	3789	3802	rVB2	37700	119460	1.02%	0.155%

Sum of corrected areas: 77297271

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
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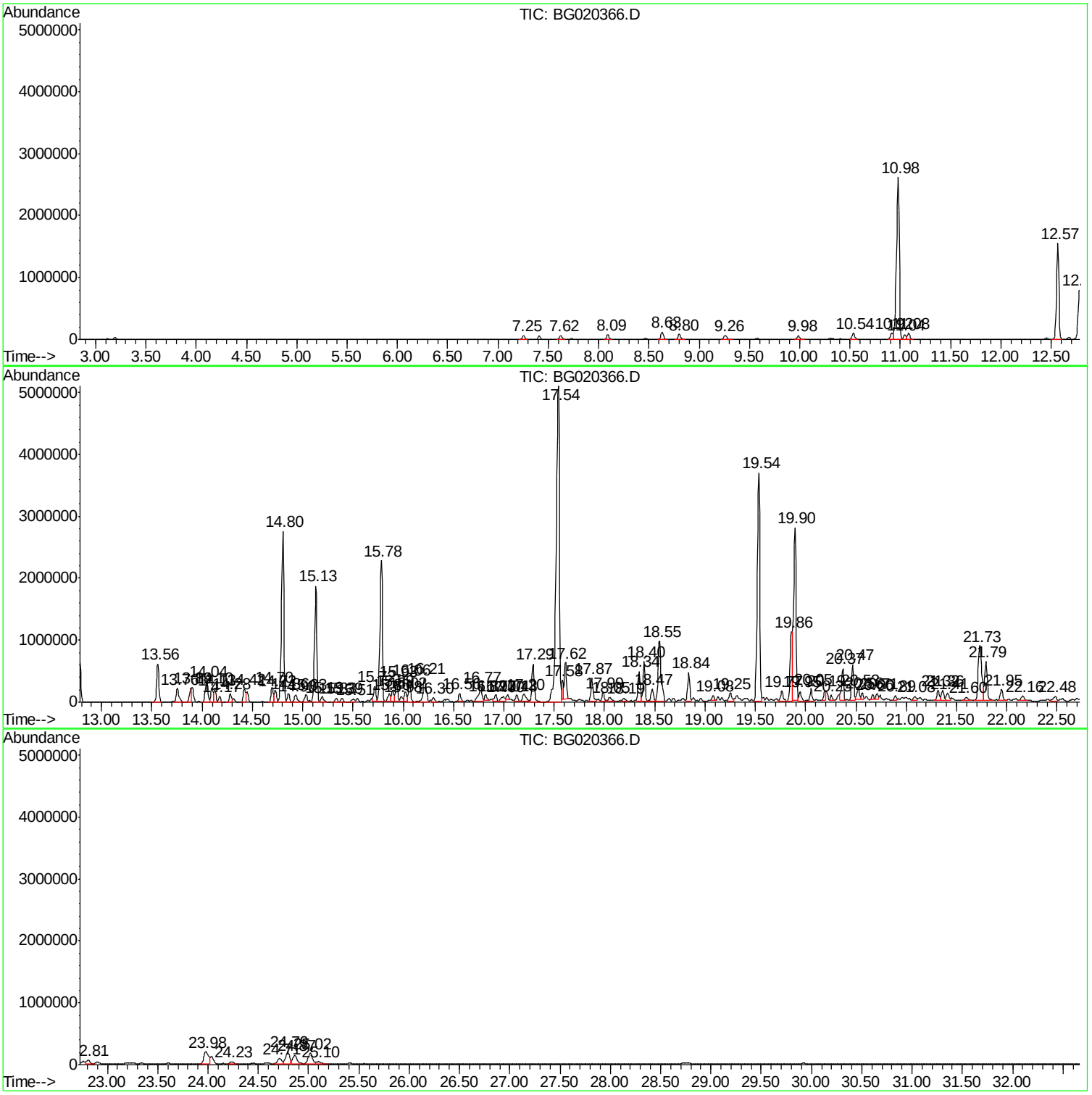
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N60

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\BG122015\
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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
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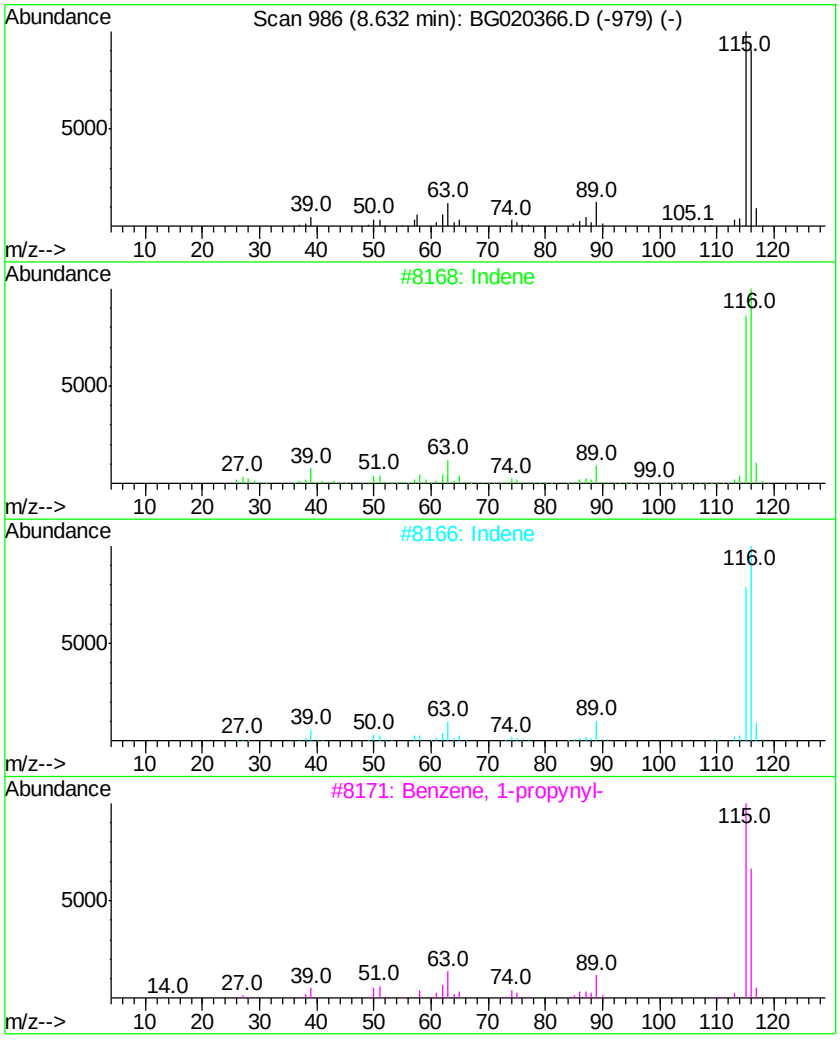
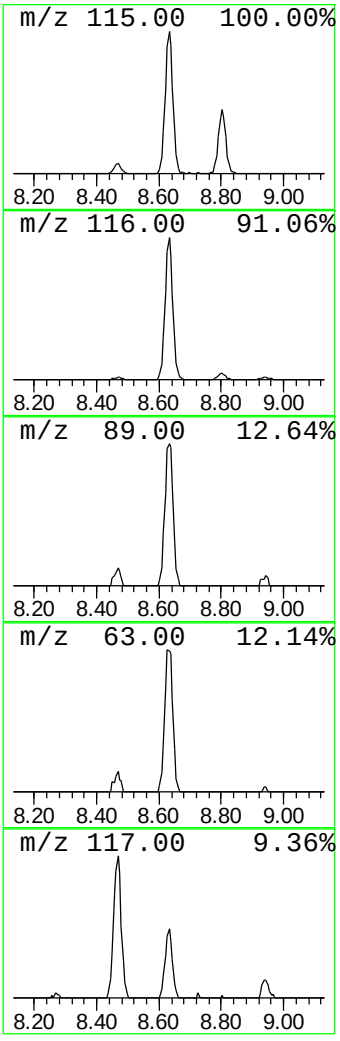
****

Peak Number 1 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	30.80 ng/ul	206510	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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

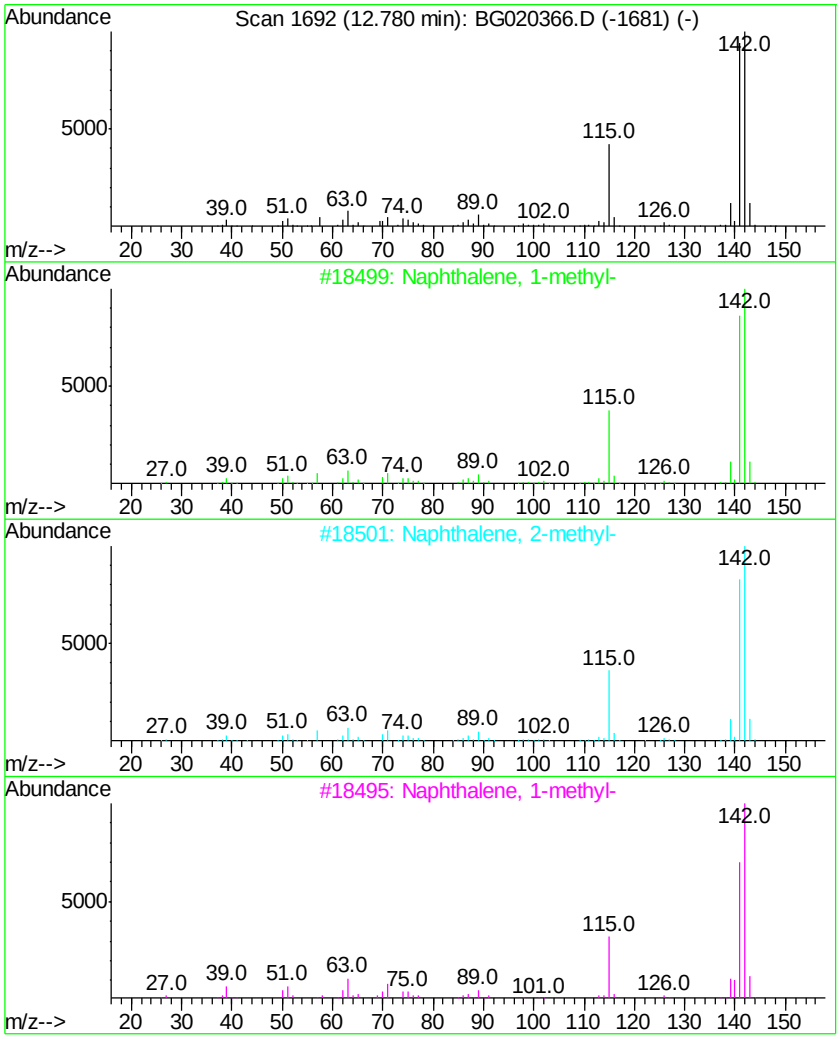
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

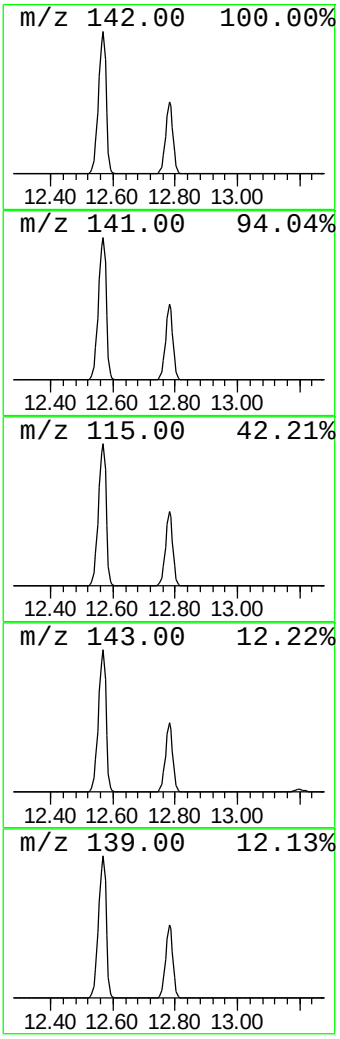
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	140.37 ng/ul	1353600	Naphthalene-d8	10.92

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





Library Search Compound Report

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Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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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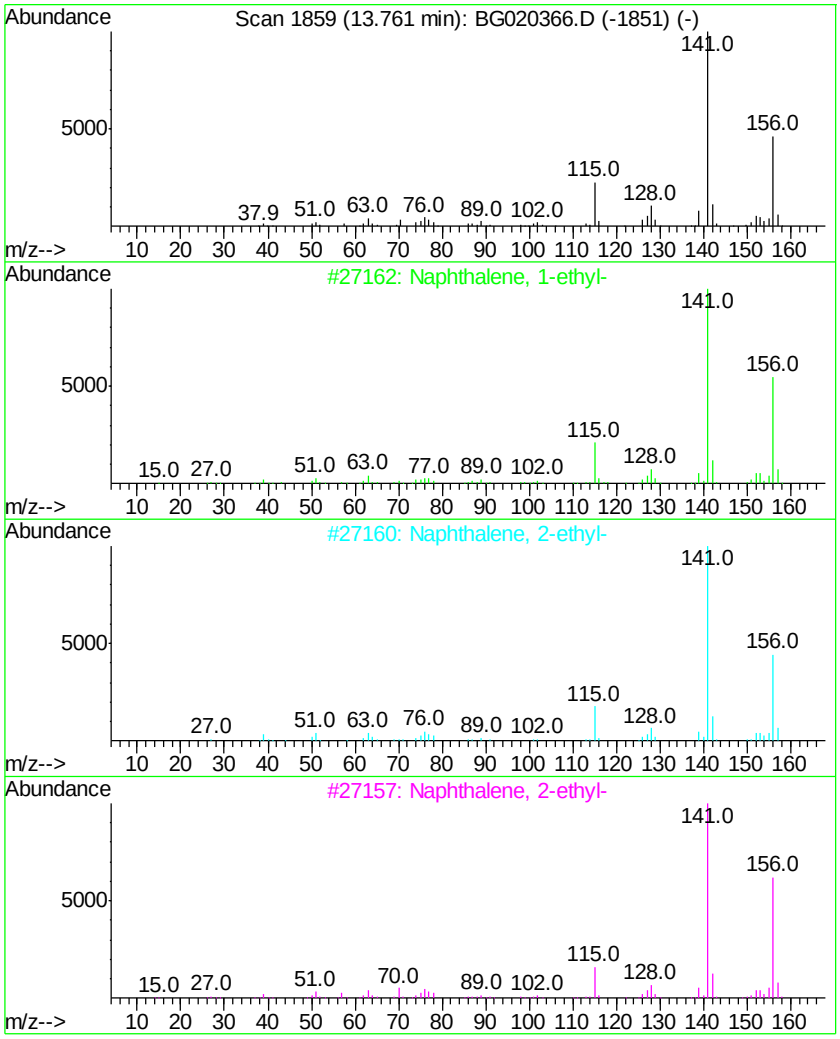
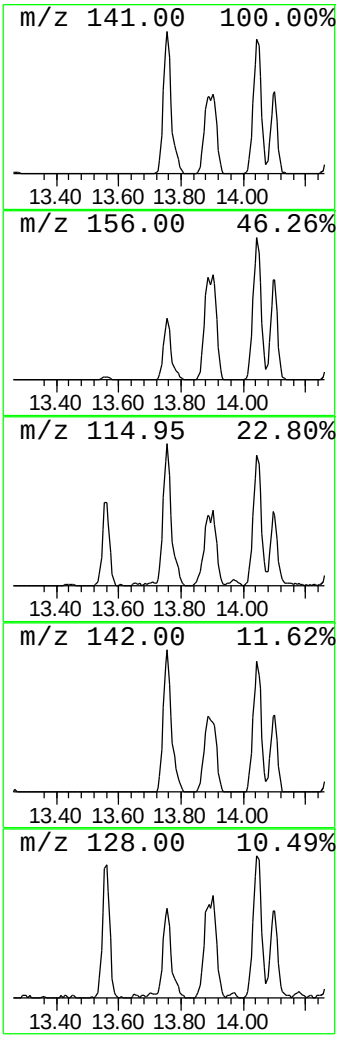
Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	29.01 ng/ul	410968	Acenaphthene-d10	14.72

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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

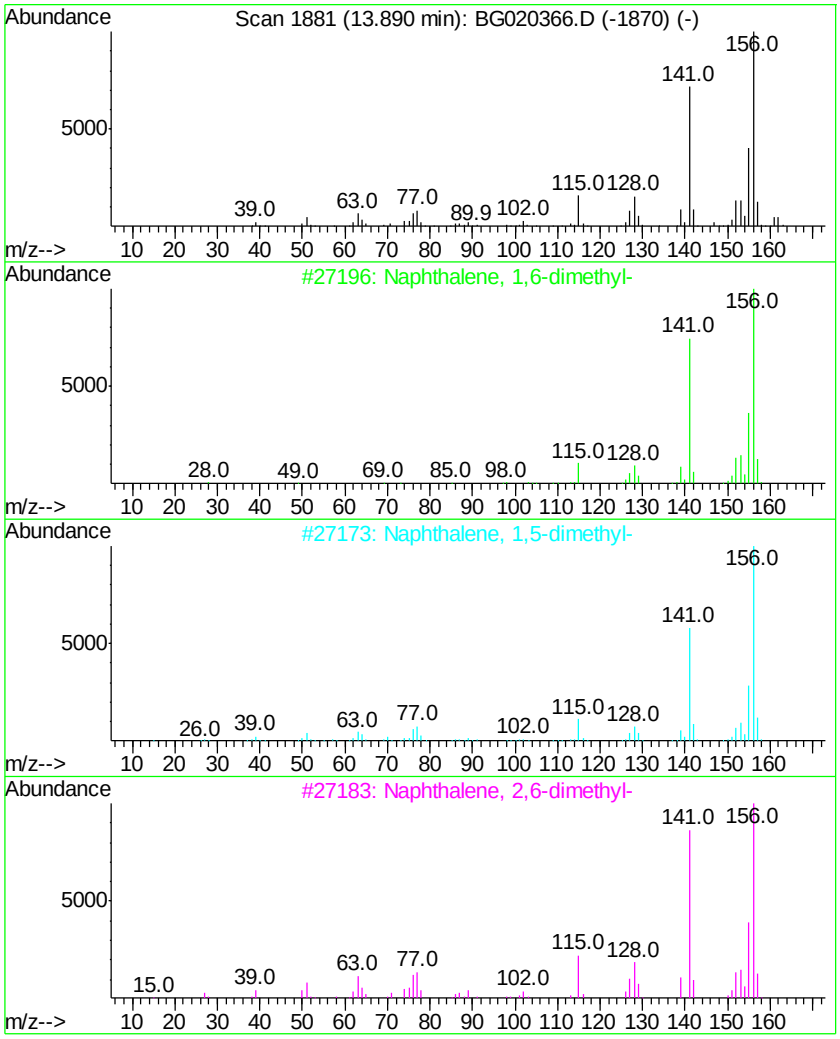
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

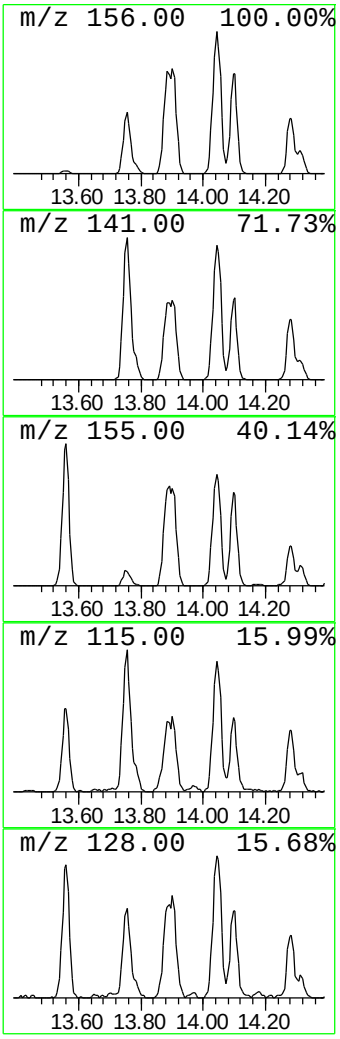
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	27.43 ng/ul	388484	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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

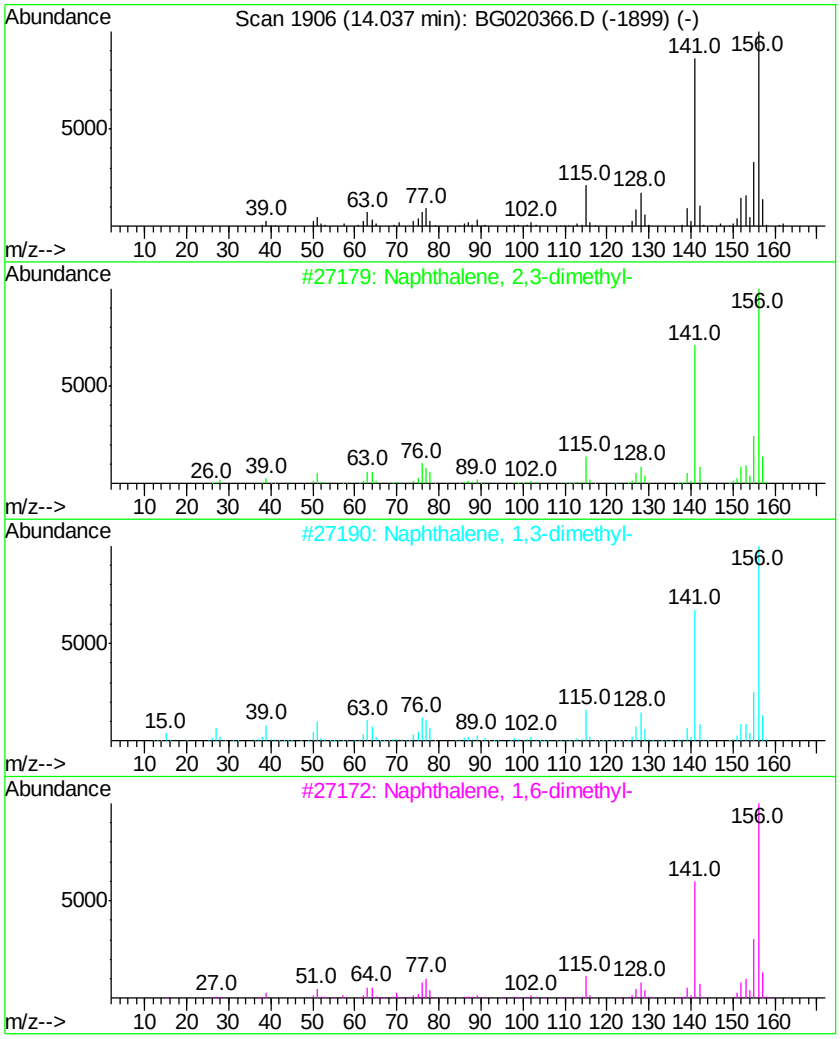
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

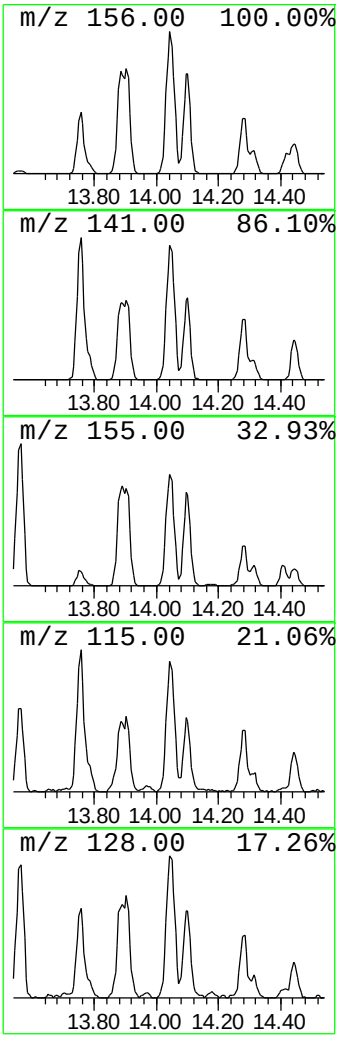
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	43.48 ng/ul	615873	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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

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

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Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	14.82 ng/ul	209912	Acenaphthene-d10	14.72

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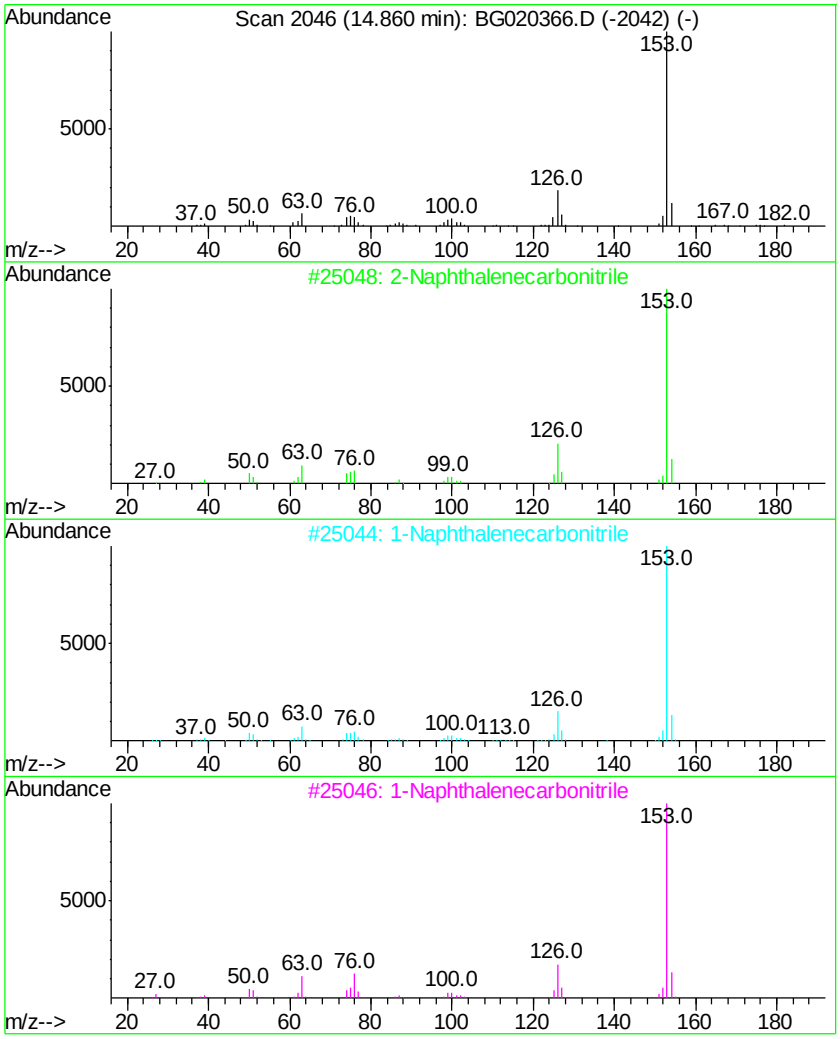

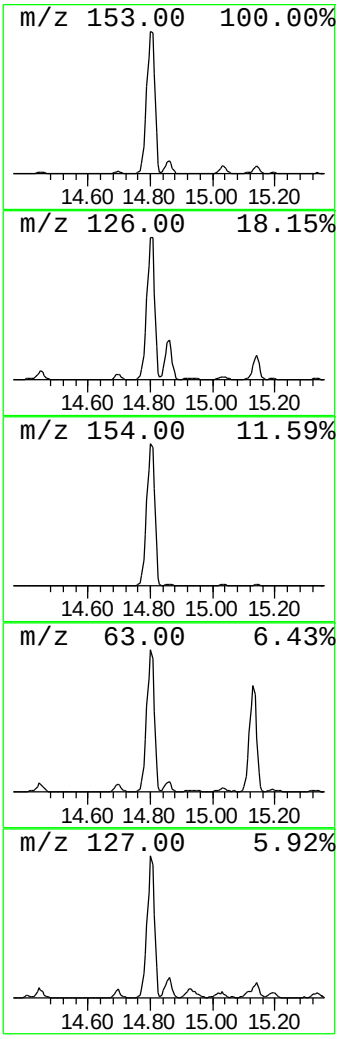

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Instrument : BNA_G
ClientSampleId : D9N60

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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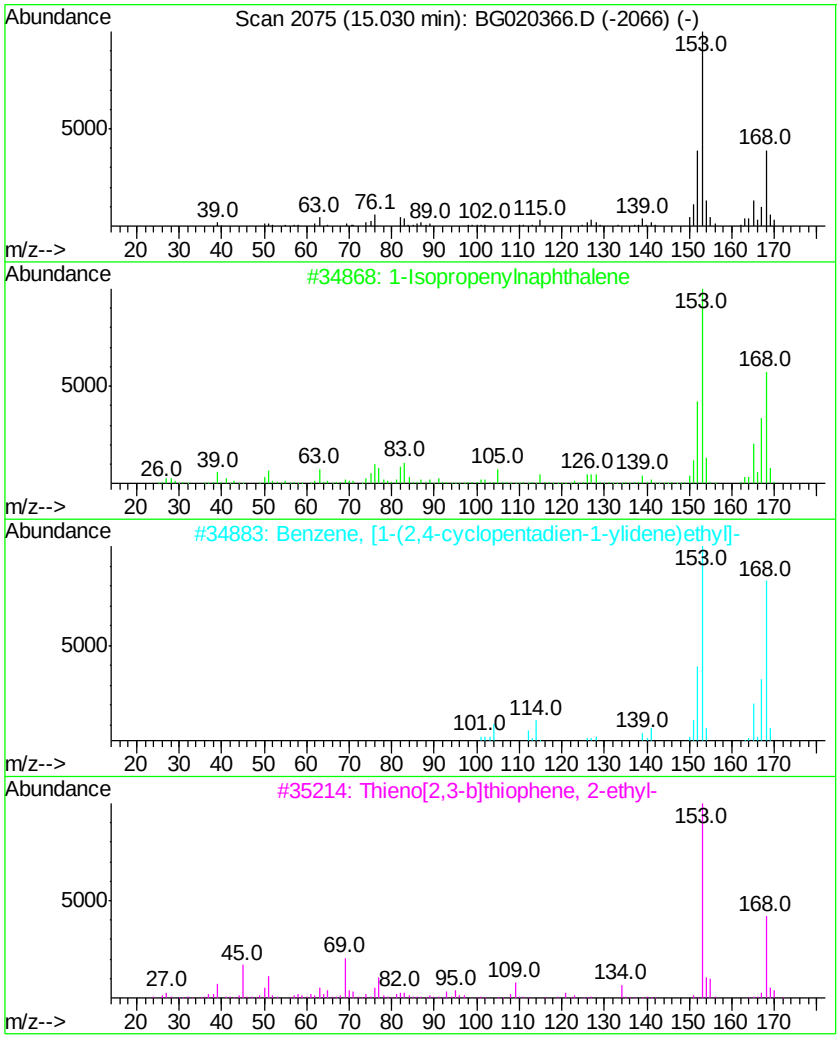
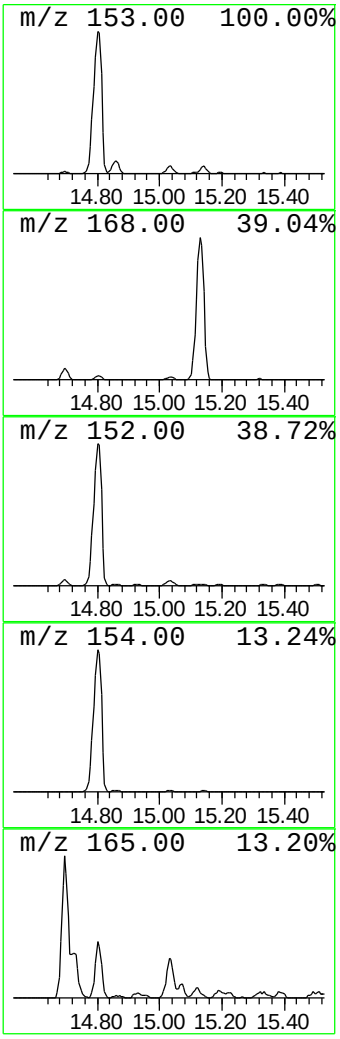
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	15.72 ng/ul	222609	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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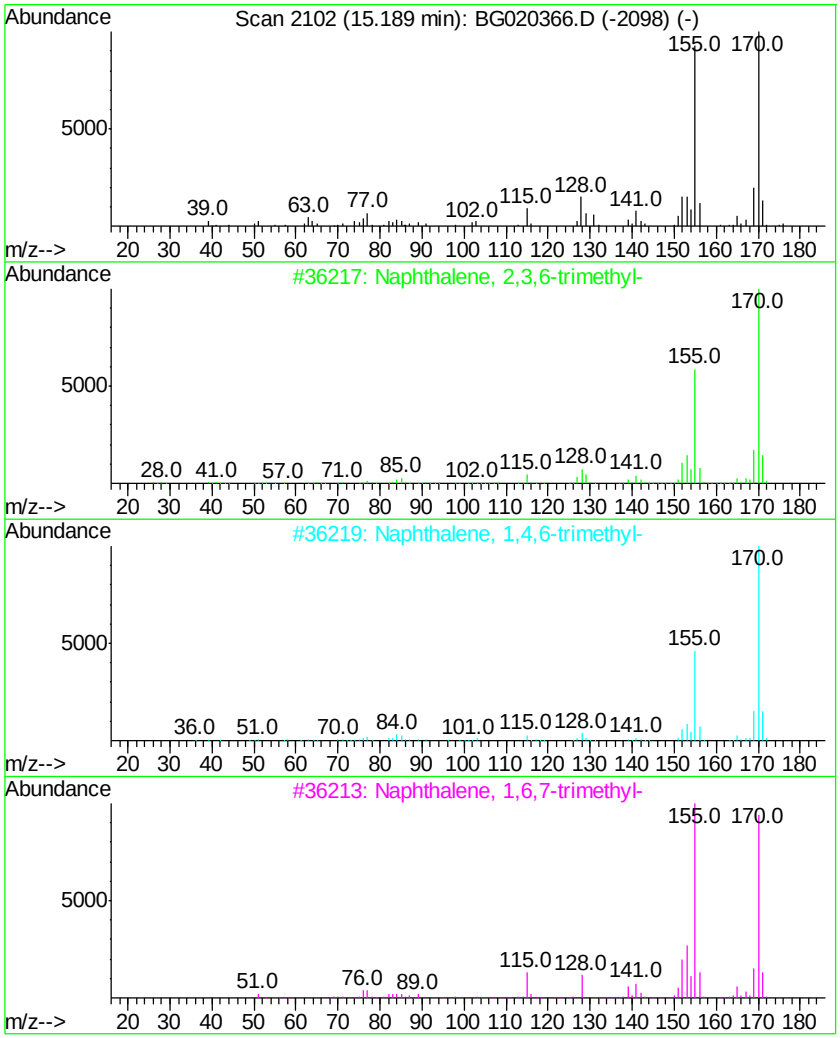
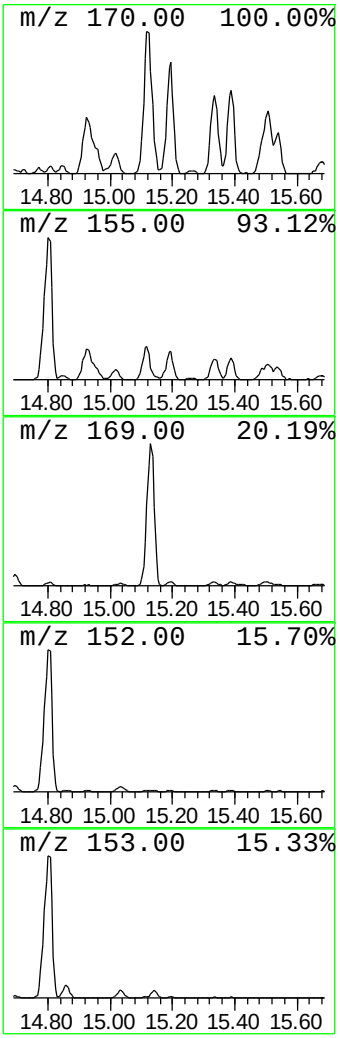
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	11.01 ng/ul	155892	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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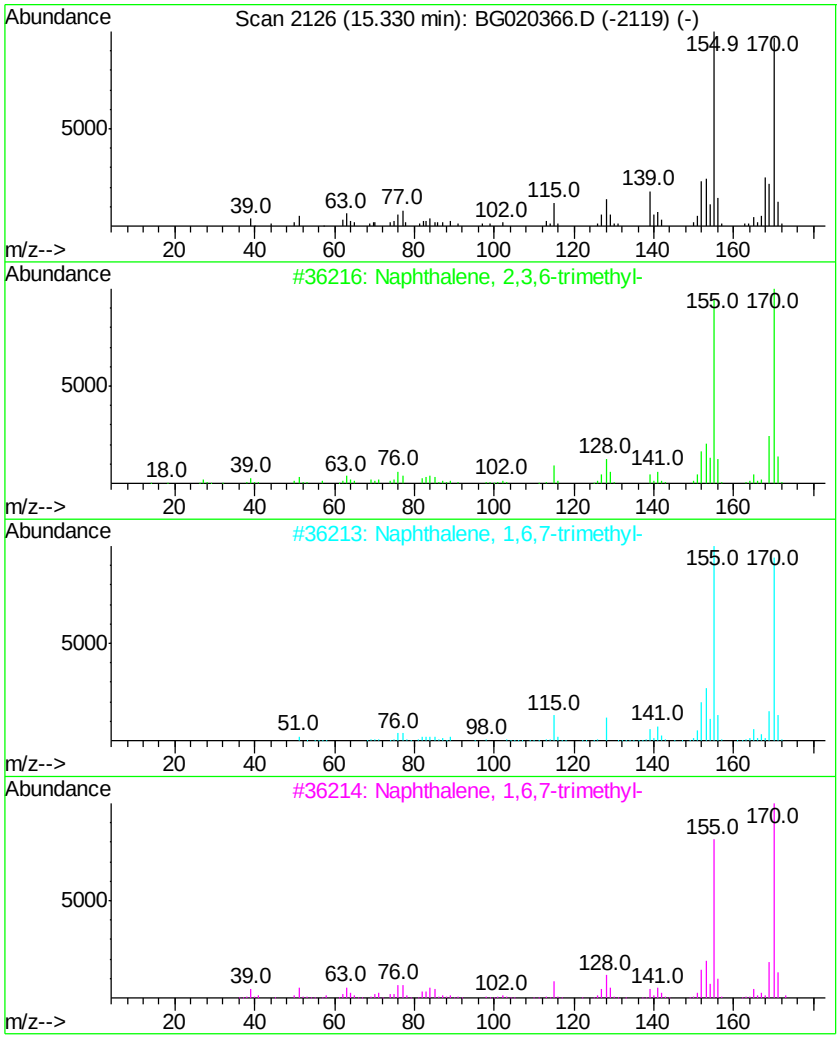
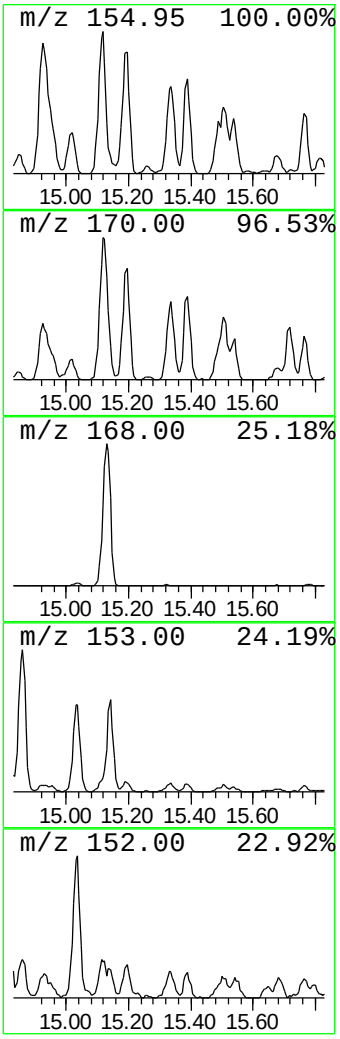
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	8.24 ng/ul	116734	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94





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Instrument : BNA_G
ClientSampleId : D9N60

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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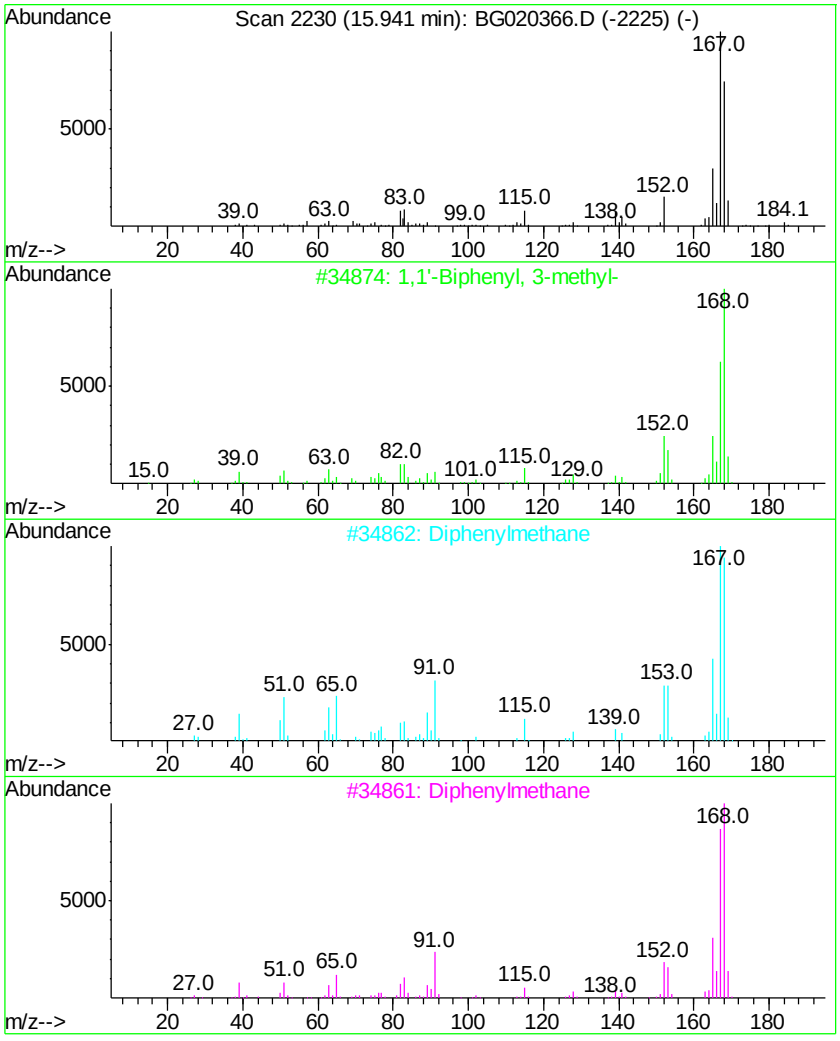
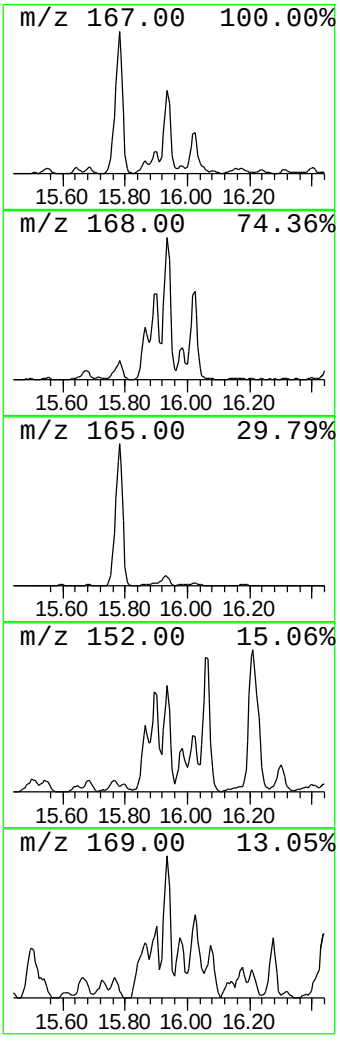
Peak Number 13 1,1'-Biphenyl, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	35.80 ng/ul	507039	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	78
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	68
4	Nordiphenamid	225	C15H15NO	000954-21-2	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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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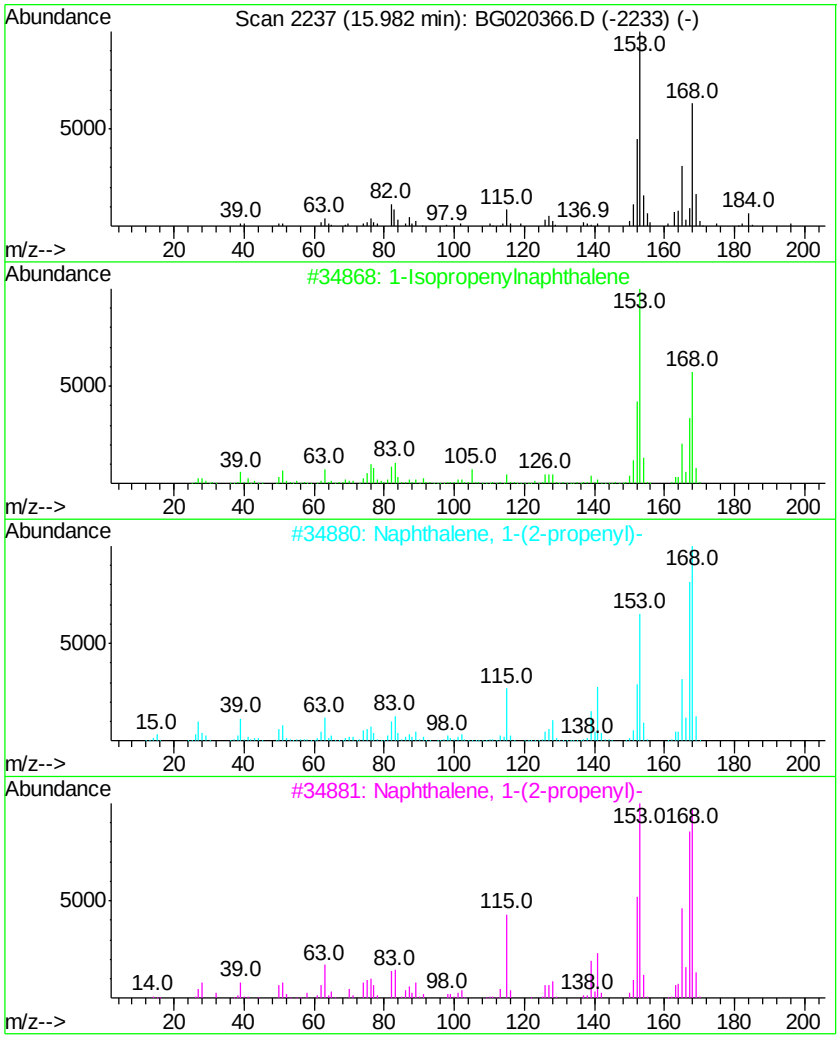
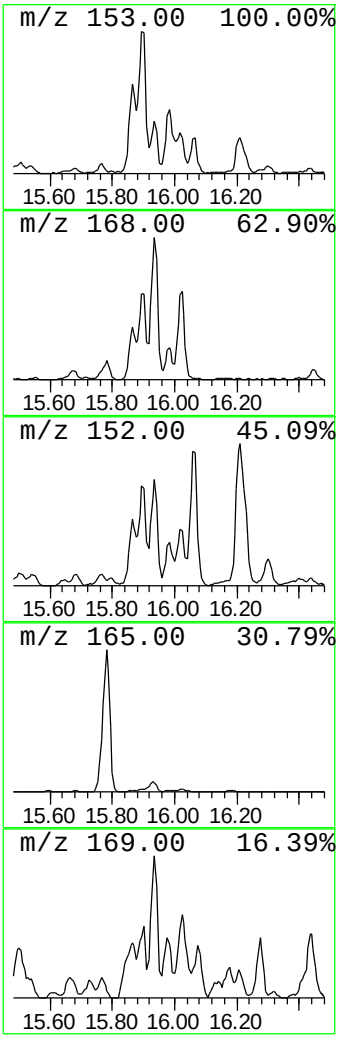
Peak Number 14 Naphthalene, 1-(2-propenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	8.05 ng/ul	114023	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	56
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
4	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	49
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





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Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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Quant Title : SVOA CALIBRATION

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

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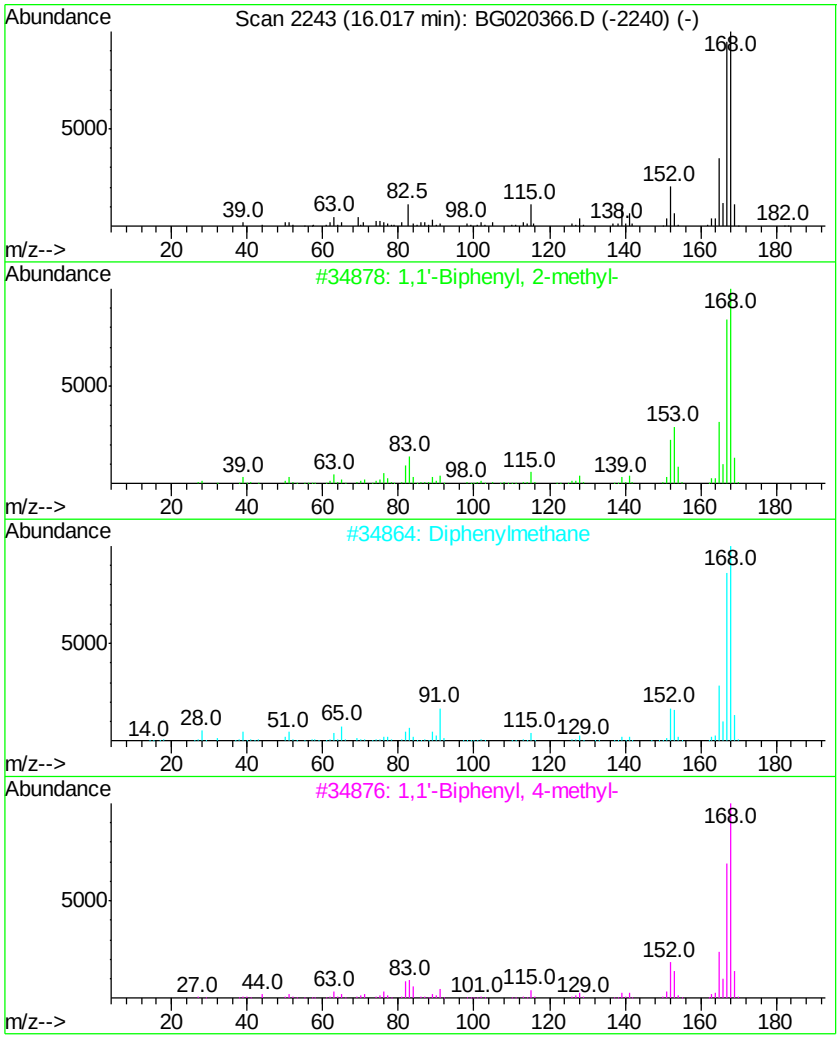
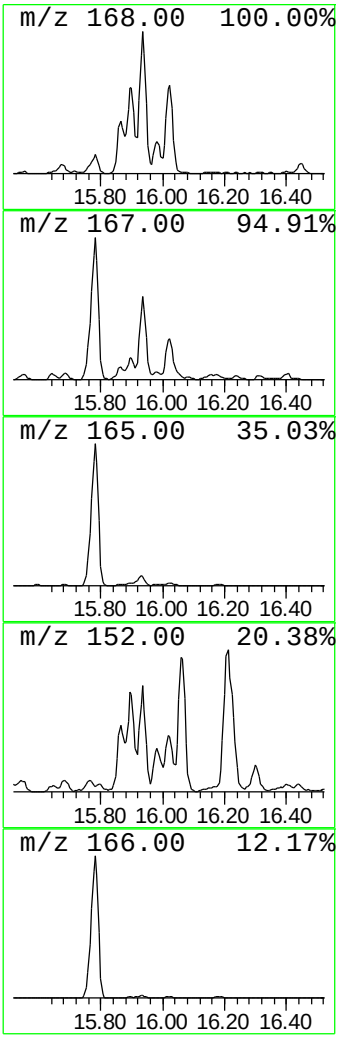
Peak Number 15 1,1'-Biphenyl, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	16.80 ng/ul	237940	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
2	Diphenylmethane	168	C13H12	000101-81-5	80
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80
4	Diphenylmethane	168	C13H12	000101-81-5	80
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80





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Instrument : BNA_G
ClientSampleId : D9N60

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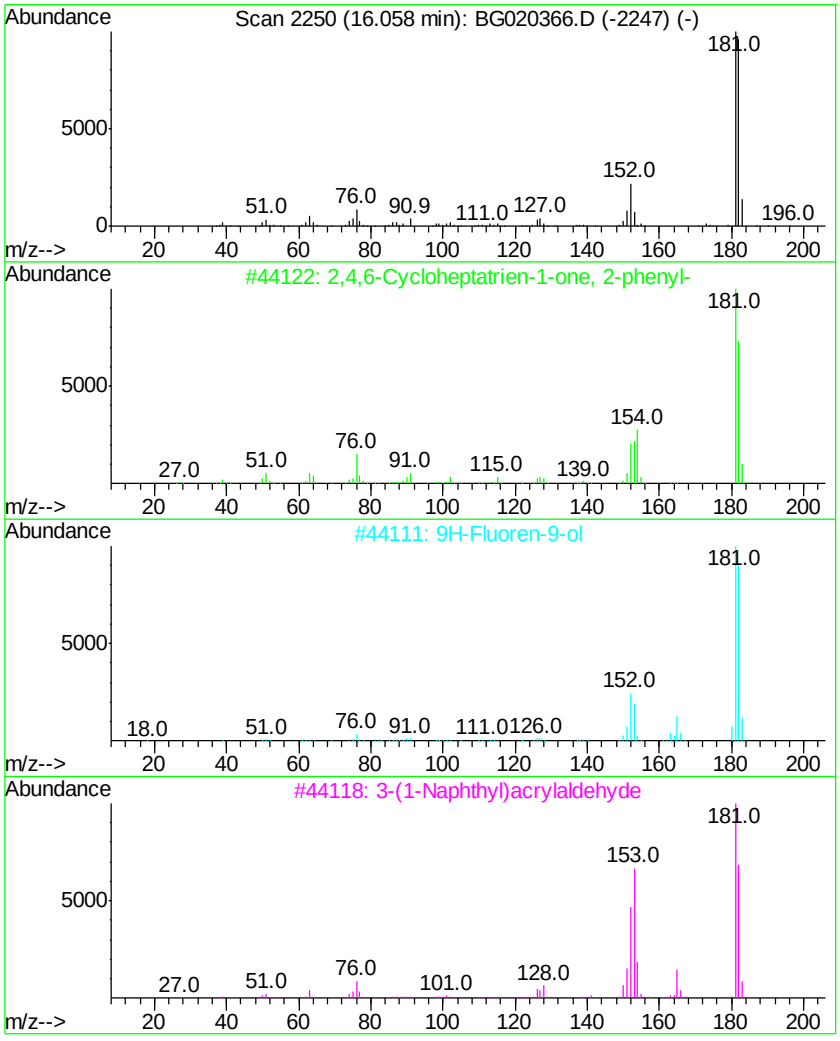
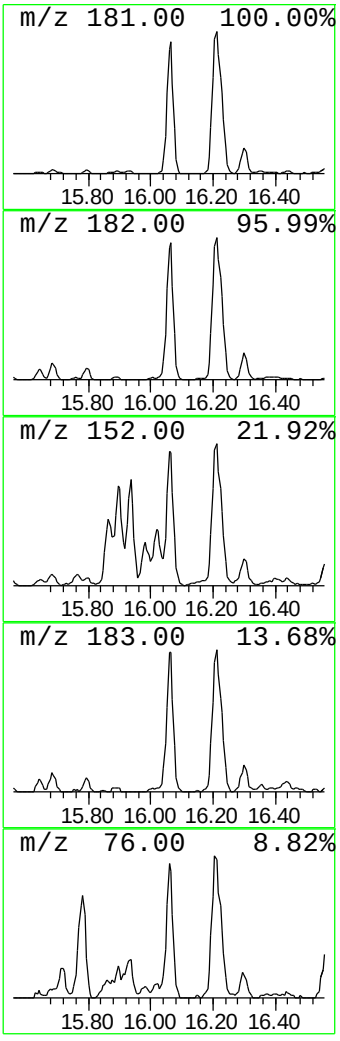
Peak Number 16 2,4,6-Cycloheptatrien-1-one... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	37.93 ng/ul	537315	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	56





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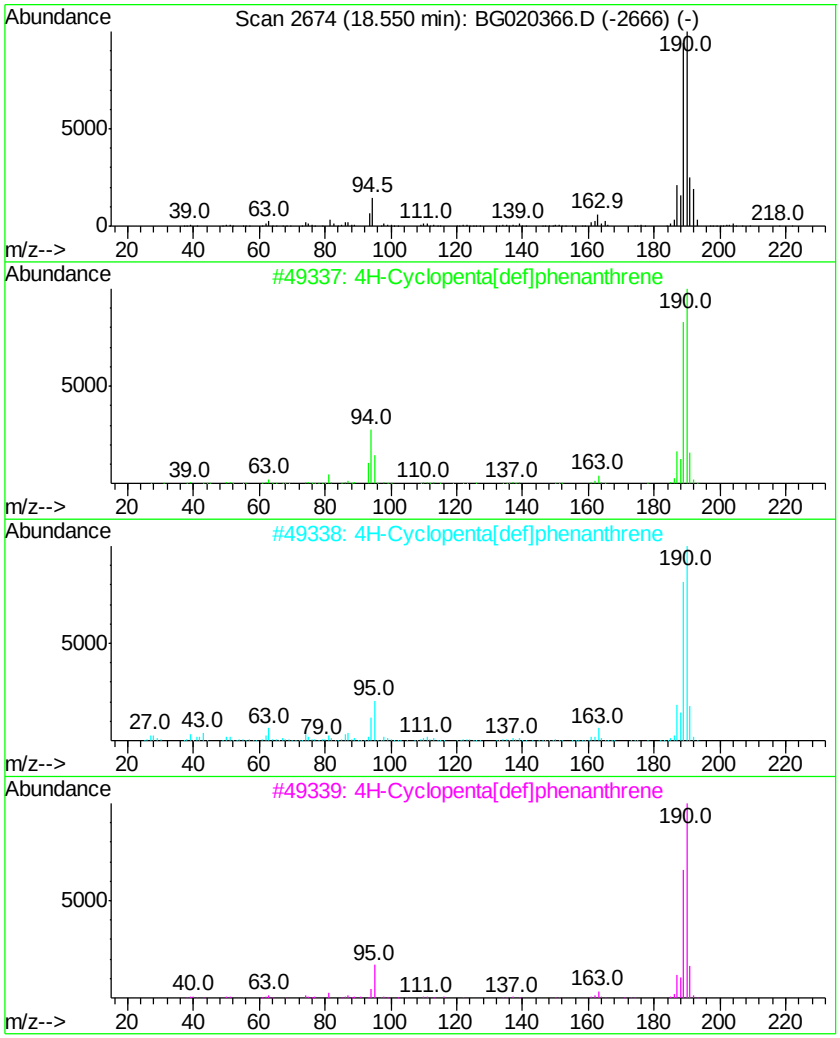
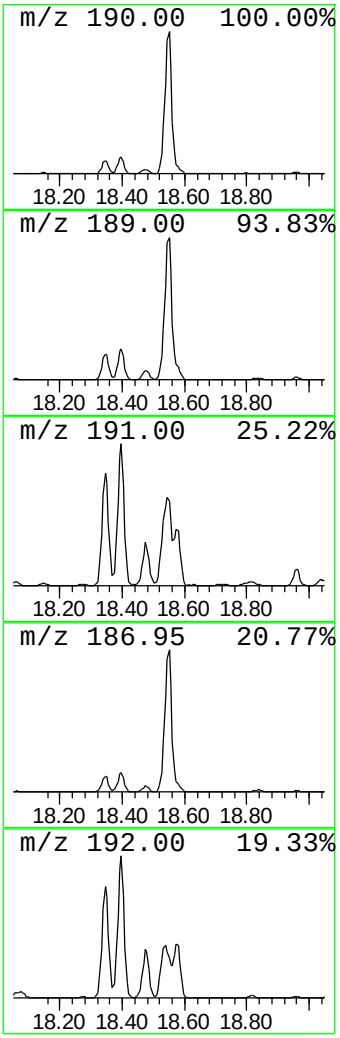
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.42 ng/ul	1997790	Phenanthrene-d10	17.48

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	74
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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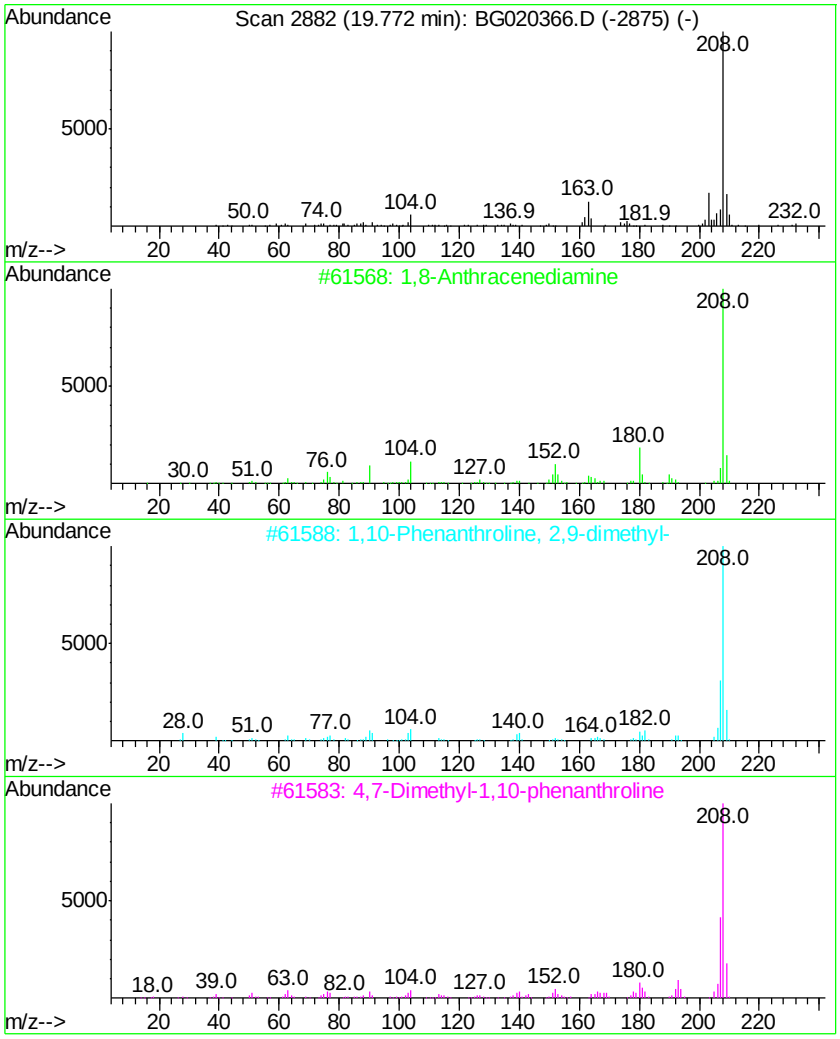
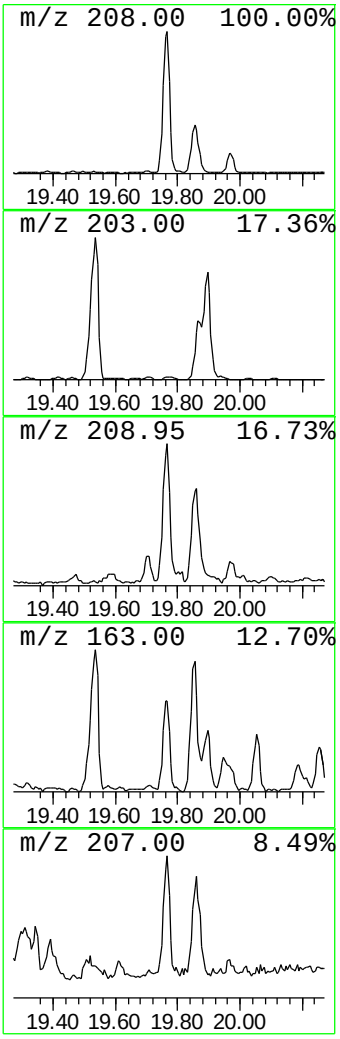
Peak Number 18 1,8-Anthracenediamine Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.58 ng/ul	275341	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
2	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	58
3	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	53
4	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	53
5	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53





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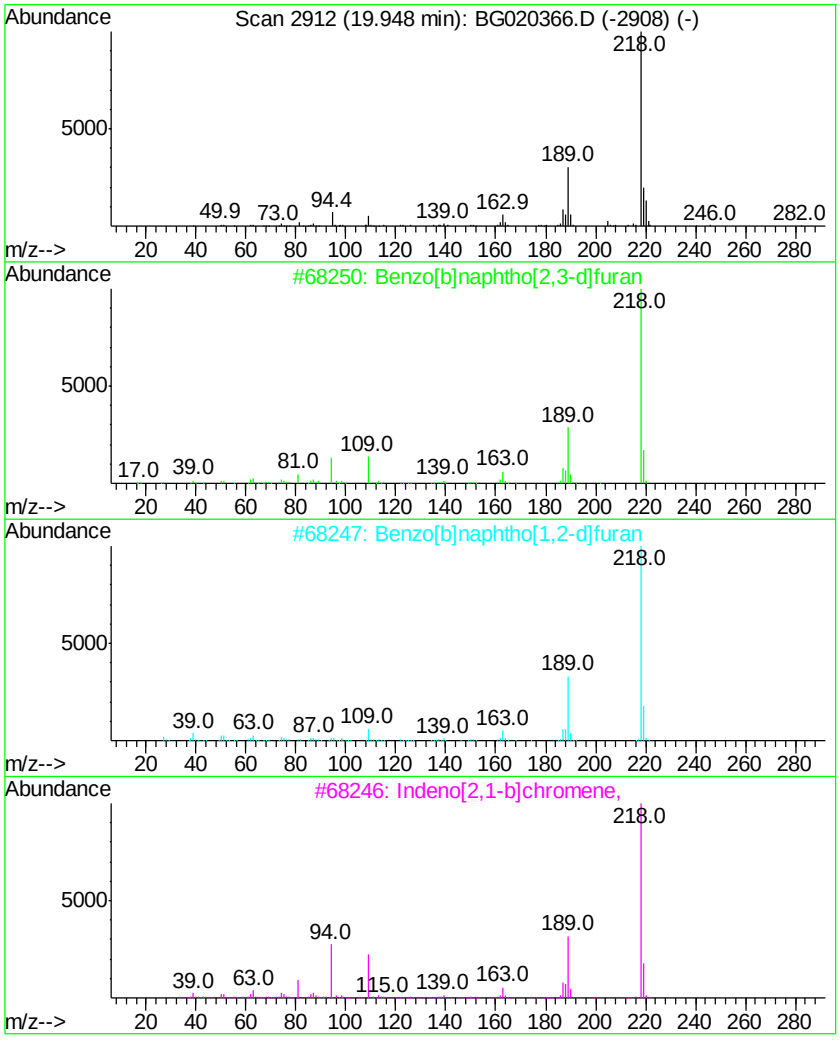
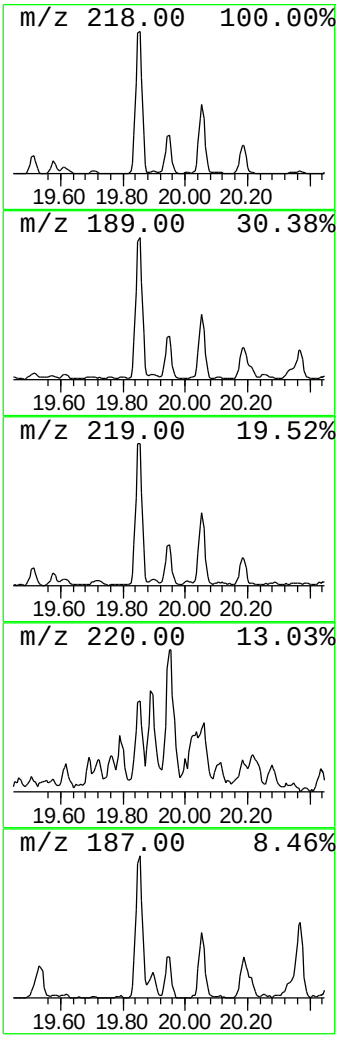
Peak Number 19 Benzo[b]naphtho[2,3-d]furan Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	2.22 ng/ul	236334	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
2	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	87
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	87
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	86





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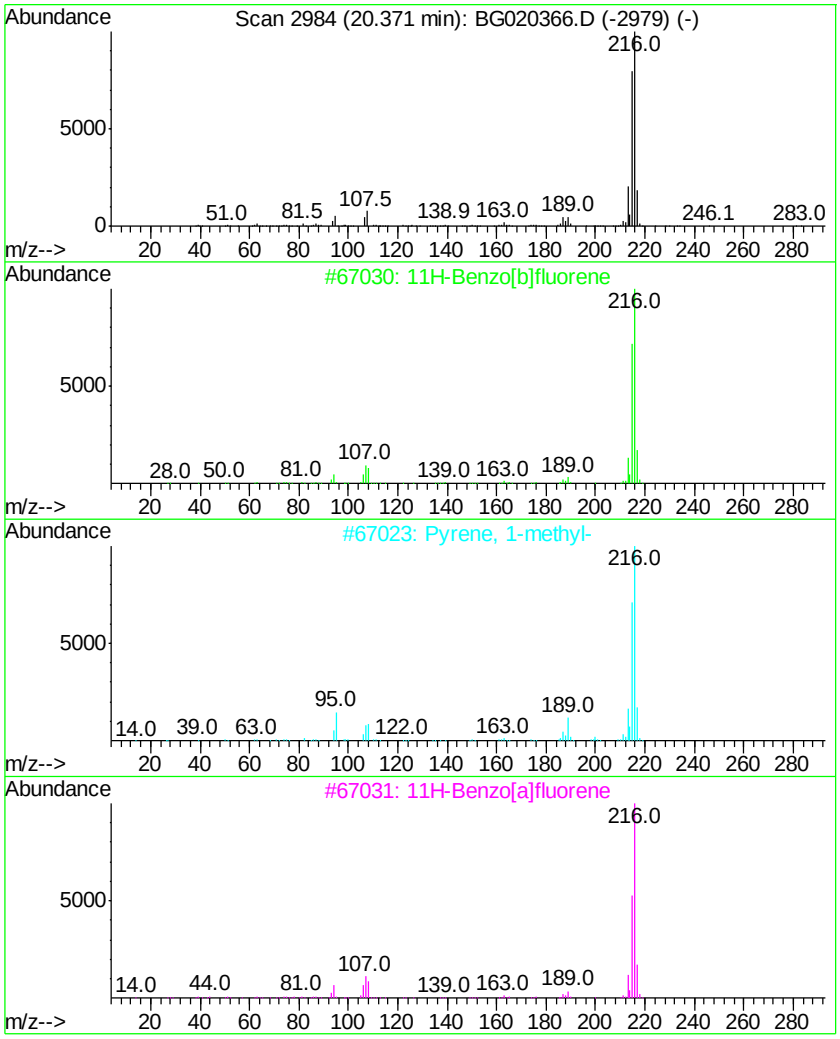
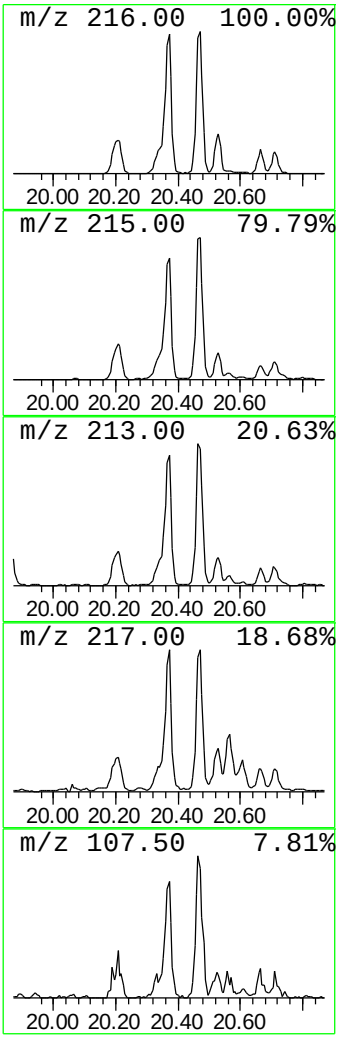
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	6.96 ng/ul	743014	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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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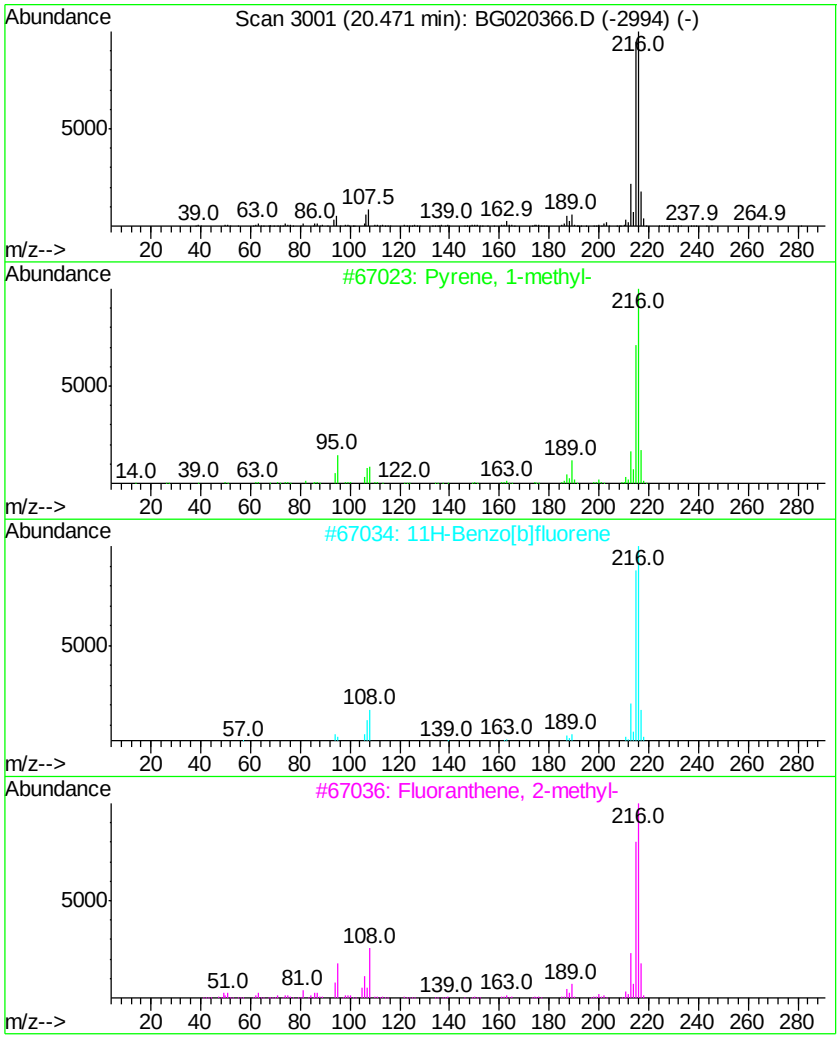
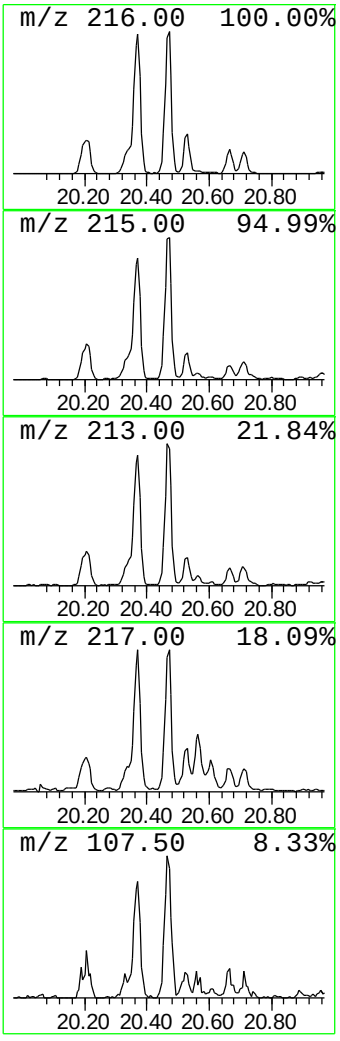
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	8.15 ng/ul	869651	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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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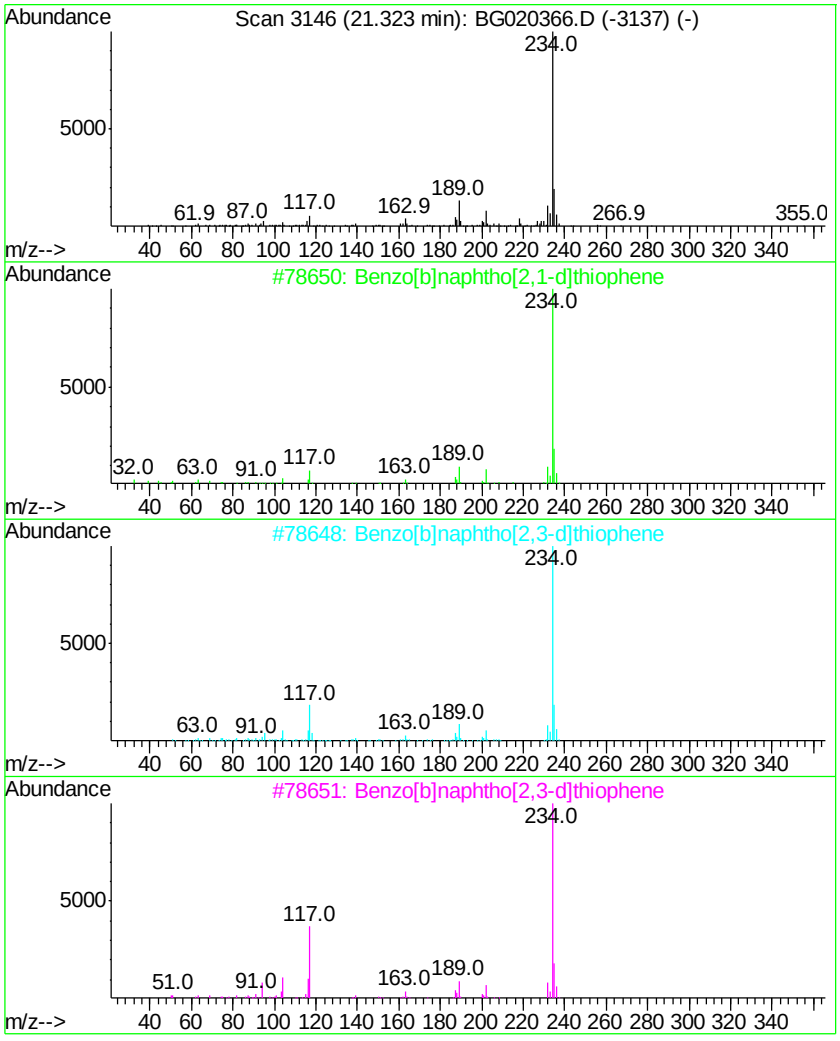
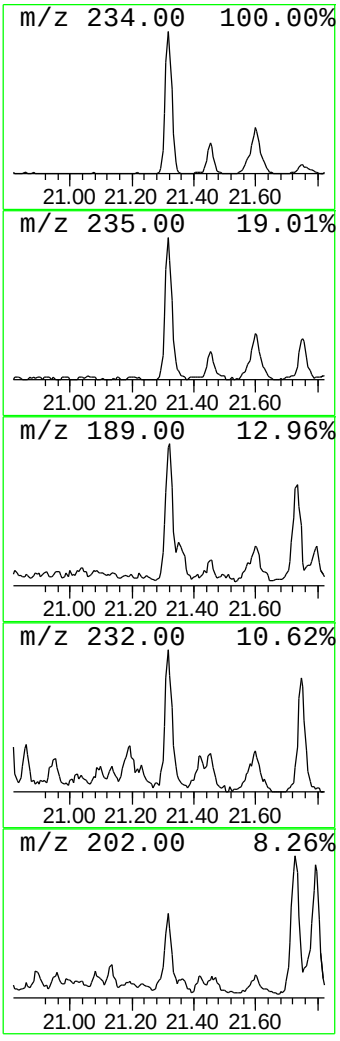
Peak Number 25 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.60 ng/ul	277013	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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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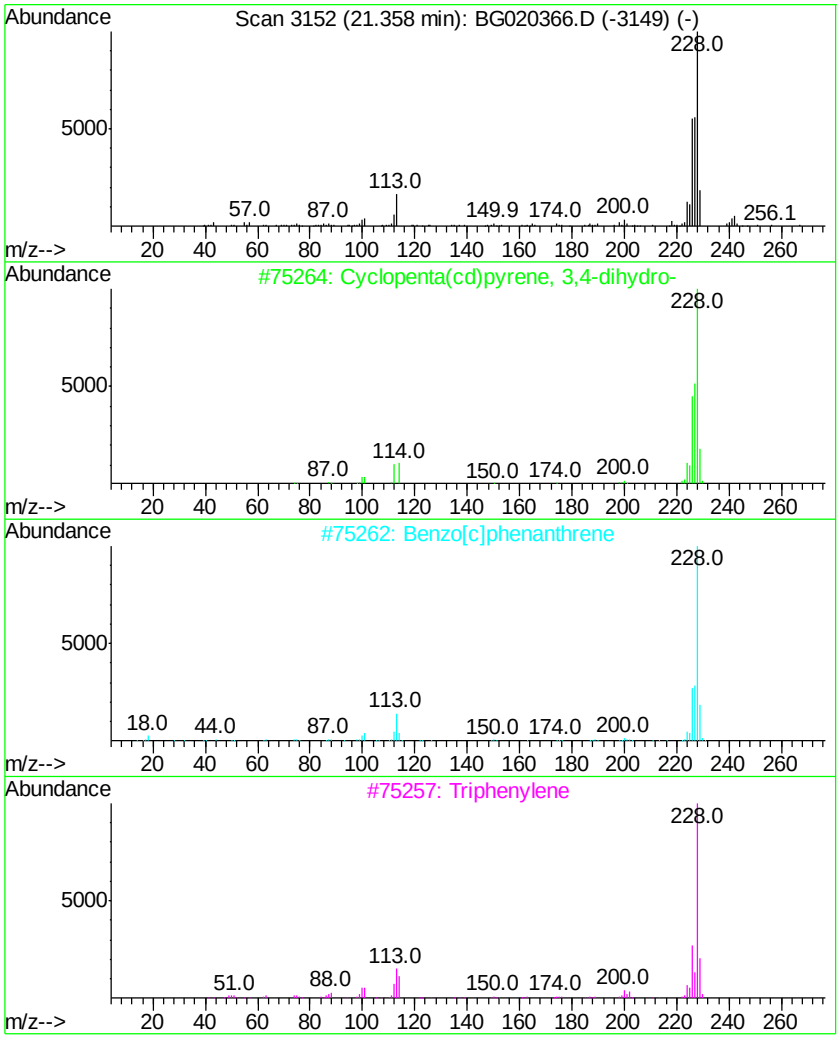
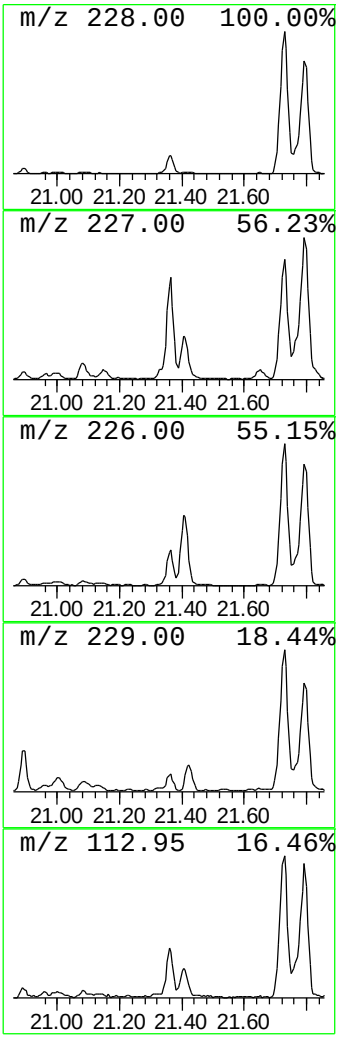
Peak Number 26 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.52 ng/ul	268642	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	86
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
3	Triphenylene	228	C18H12	000217-59-4	55
4	Benz[a]anthracene	228	C18H12	000056-55-3	55
5	Triphenylene	228	C18H12	000217-59-4	53





Library Search Compound Report

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Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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

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

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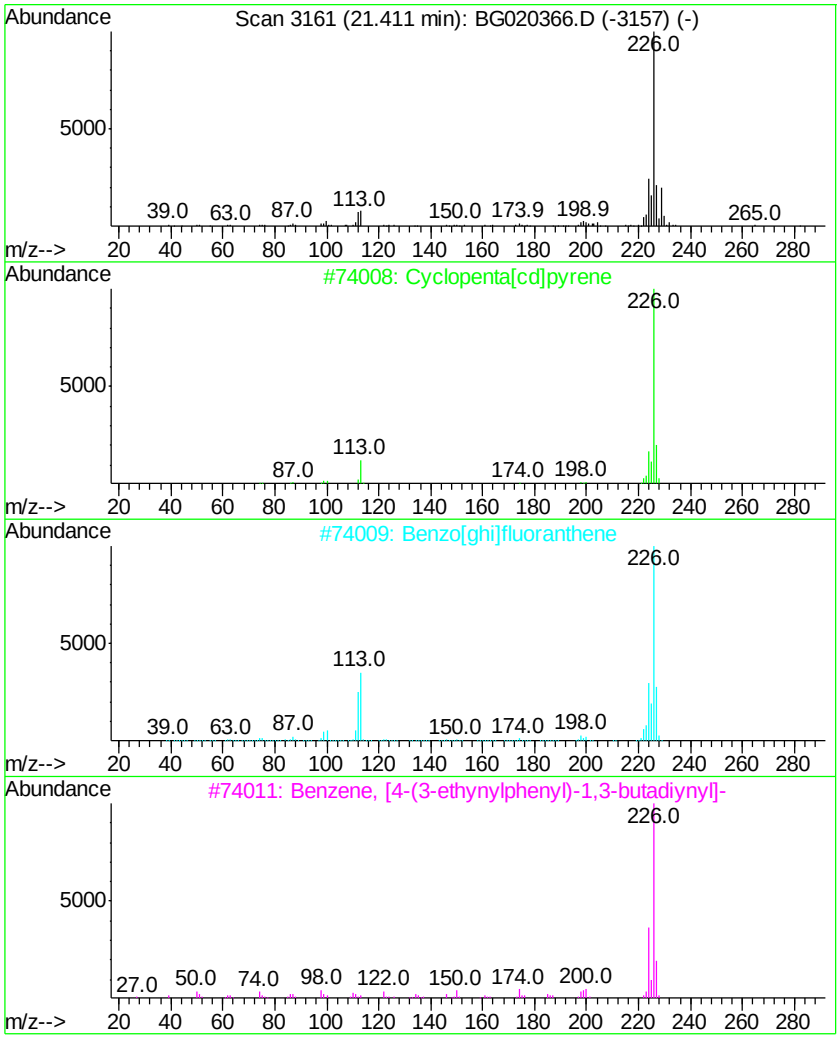
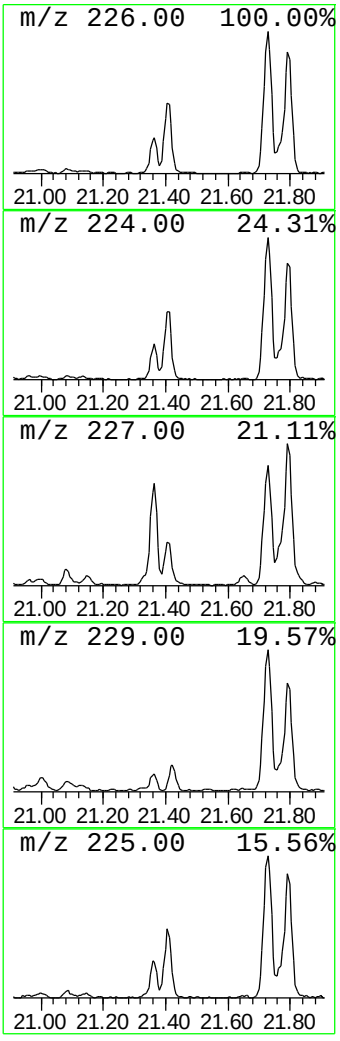
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.11 ng/ul	225067	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	62
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	58
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	49
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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

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

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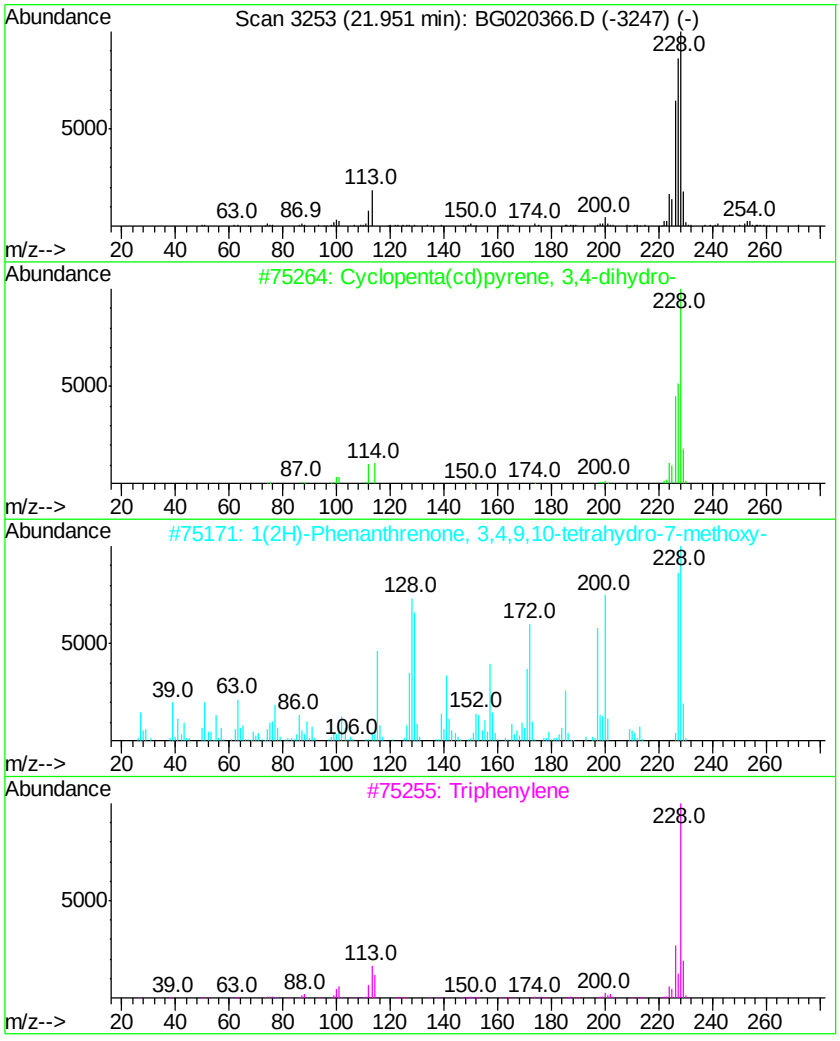
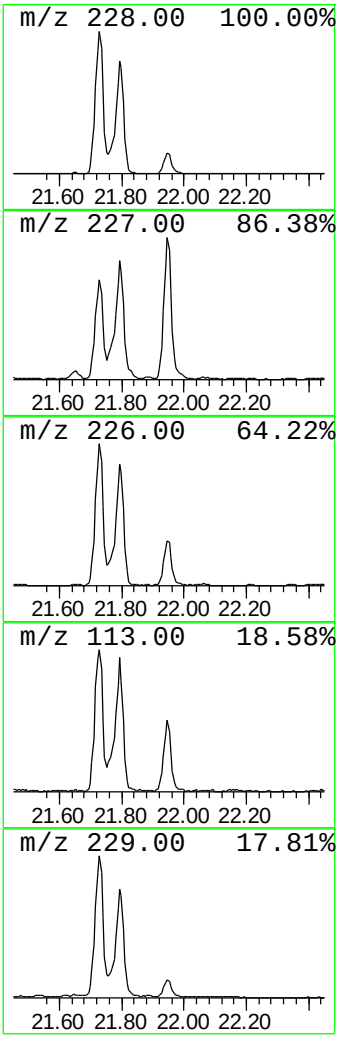
Peak Number 28 1(2H)-Phenanthrenone, 3,4,9... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	2.79 ng/ul	297762	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
3	Triphenylene	228	C18H12	000217-59-4	45
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

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
Indene	8.63	30.8	ng/ul	206510	1	8.09	134079	20.0
Naphthalene, 1-me...	12.78	140.4	ng/ul	1353600	2	10.92	192863	20.0
Naphthalene, 1-et...	13.76	29.0	ng/ul	410968	3	14.72	283299	20.0
Naphthalene, 1,6-...	13.89	27.4	ng/ul	388484	3	14.72	283299	20.0
Naphthalene, 2,3-...	14.04	43.5	ng/ul	615873	3	14.72	283299	20.0
2-Naphthalenecarb...	14.86	14.8	ng/ul	209912	3	14.72	283299	20.0
1-Isopropenylnaph...	15.03	15.7	ng/ul	222609	3	14.72	283299	20.0
Naphthalene, 2,3,...	15.19	11.0	ng/ul	155892	3	14.72	283299	20.0
Naphthalene, 1,6,...	15.33	8.2	ng/ul	116734	3	14.72	283299	20.0
1,1'-Biphenyl, 3-...	15.94	35.8	ng/ul	507039	3	14.72	283299	20.0
Naphthalene, 1-(2...	15.98	8.1	ng/ul	114023	3	14.72	283299	20.0
1,1'-Biphenyl, 2-...	16.02	16.8	ng/ul	237940	3	14.72	283299	20.0
2,4,6-Cycloheptat...	16.06	37.9	ng/ul	537315	3	14.72	283299	20.0
4H-Cyclopenta[def...	18.55	3.4	ng/ul	1997790	4	17.48	11698500	20.0
1,8-Anthracenedia...	19.77	2.6	ng/ul	275341	5	21.75	2133730	20.0
Benzo[b]naphtho[2...	19.95	2.2	ng/ul	236334	5	21.75	2133730	20.0
11H-Benzo[b]fluorene	20.37	7.0	ng/ul	743014	5	21.75	2133730	20.0
Pyrene, 1-methyl-	20.47	8.2	ng/ul	869651	5	21.75	2133730	20.0
Benzo[b]naphtho[2...	21.32	2.6	ng/ul	277013	5	21.75	2133730	20.0
Cyclopenta(cd)pyr...	21.36	2.5	ng/ul	268642	5	21.75	2133730	20.0
Cyclopenta[cd]pyrene	21.41	2.1	ng/ul	225067	5	21.75	2133730	20.0
1(2H)-Phenanthren...	21.95	2.8	ng/ul	297762	5	21.75	2133730	20.0