LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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	9.927	1197	1206	1241	rBV	306577	2044352	7.35%	0.639%
2	10.891	1360	1370	1374	rVV2	118699	293454	1.06%	0.092%
3	10.944	1374	1379	1387	rVV	164282	308483	1.11%	0.096%
4	11.414	1451	1459	1474	rBV	143161	595418	2.14%	0.186%
5	11.549	1476	1482	1522	rVB	195289	1059418	3.81%	0.331%
6	12.542	1644	1651	1666	rBV	378628	747253	2.69%	0.233%
7	12.759	1682	1688	1700	rVB	398719	684718	2.46%	0.214%
8	13.893	1872	1881	1888	rBV4	219486	651720	2.34%	0.204%
9	14.046	1898	1907	1912	rBV2	718943	1858972	6.69%	0.581%
10	14.157	1922	1926	1935	rVB3	177739	319639	1.15%	0.100%
11	14.269	1940	1945	1949	rBV	189281	296572	1.07%	0.093%
12	14.410	1964	1969	1970	rVV	209551	324946	1.17%	0.102%
13	14.434	1970	1973	1994	rVB	490392	971195	3.49%	0.303%
14	14.774	2026	2031	2038	rVB2	218280	400234	1.44%	0.125%
15	15.703	2185	2189	2193	rVV	343256	544755	1.96%	0.170%
16	15.761	2193	2199	2209	rVB2	1552440	2598186	9.34%	0.812%
17	16.760	2365	2369	2373	rVV2	406863	676477	2.43%	0.211%
18	16.807	2373	2377	2382	rVB	242016	359363	1.29%	0.112%
19	16.907	2390	2394	2400	rVB	232079	340638	1.23%	0.106%
20	17.125	2425	2431	2436	rVB	544767	879423	3.16%	0.275%
21	17.277	2452	2457	2462	rBV	751676	1165636	4.19%	0.364%
22	17.336	2462	2467	2474	rVB	573118	959494	3.45%	0.300%
23	17.548	2486	2503	2507	rBV	6593502	18359550	66.03%	5.737%
24	17.583	2507	2509	2510	rVV	406514	410538	1.48%	0.128%
25	17.612	2510	2514	2519	rVV	1971739	3024275	10.88%	0.945%
26	17.665	2519	2523	2531	rVB	638953	948935	3.41%	0.297%
27	17.865	2553	2557	2564	rVB	758358	1078916	3.88%	0.337%
28	17.982	2572	2577	2582	rVB	1262616	1778435	6.40%	0.556%
29	18.047	2583	2588	2595	rBV3	610789	1299839	4.67%	0.406%
30	18.165	2603	2608	2617	rVB3	692671	1483333	5.33%	0.463%
31	18.270	2621	2626	2632	rBV3	269297	509606	1.83%	0.159%
32	18.347	2632	2639	2643	rBV2	2867282	4891945	17.59%	1.529%
33	18.400	2643	2648	2653	rVB	2767784	4430880	15.94%	1.385%
34	18.476	2658	2661	2666	rVB	299267	442912	1.59%	0.138%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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	18.546	2666	2673	2677	rBV2	4008087	7984653	28.72%	2.495%
36	18.588	2677	2680	2683	rVB	1743433	2230633	8.02%	0.697%
37	18.734	2701	2705	2708	rBV3	213370	318824	1.15%	0.100%
38	18.781	2708	2713	2718	rVV2	442203	864802	3.11%	0.270%
39	18.846	2718	2724	2728	rVV	2157839	3958532	14.24%	1.237%
40	18.905	2728	2734	2741	rVB	2993865	5038325	18.12%	1.574%
41	19.081	2761	2764	2769	rVV2	351468	425882	1.53%	0.133%
42	19.134	2769	2773	2777	rVV	508912	685385	2.46%	0.214%
43	19.175	2777	2780	2784	rVB	328944	382275	1.37%	0.119%
44	19.263	2789	2795	2799	rBV	1187231	2024080	7.28%	0.632%
45	19.328	2800	2806	2813	rVB4	667432	1802809	6.48%	0.563%
46	19.439	2814	2825	2830	rBV	1614856	3539021	12.73%	1.106%
47	19.569	2835	2847	2853	rVV2	6498449	18071516	64.99%	5.647%
48	19.622	2853	2856	2862	rVV3	495951	924328	3.32%	0.289%
49	19.686	2863	2867	2875	rVV	728312	1591264	5.72%	0.497%
50	19.769	2876	2881	2889	rVB3	1093907	2096926	7.54%	0.655%
51	19.951	2895	2912	2918	rVB	8044232	27804875	100.00%	8.688%
52	20.115	2936	2940	2949	rVB2	523386	882891	3.18%	0.276%
53	20.227	2950	2959	2964	rBV3	1955433	4645459	16.71%	1.452%
54	20.356	2974	2981	2982	rBV3	1795242	2956357	10.63%	0.924%
55	20.385	2984	2986	2994	rVB	2624265	3296670	11.86%	1.030%
56	20.479	2997	3002	3007	rVV	1626581	2611399	9.39%	0.816%
57	20.550	3007	3014	3021	rVB	2865477	4723675	16.99%	1.476%
58	20.685	3031	3037	3040	rBV	2561238	3905010	14.04%	1.220%
59	20.732	3040	3045	3050	rVB	2695544	3861666	13.89%	1.207%
60	20.832	3054	3062	3066	rBV2	373132	720833	2.59%	0.225%
61	20.926	3074	3078	3079	rBV2	220130	275239	0.99%	0.086%
62	21.149	3111	3116	3122	rVB	1518893	2745670	9.87%	0.858%
63	21.243	3128	3132	3138	rVV	268774	410424	1.48%	0.128%
64	21.337	3139	3148	3151	rVV	1653275	3336586	12.00%	1.043%
65	21.384	3151	3156	3160	rVV	2373558	4443732	15.98%	1.389%
66	21.437	3160	3165	3172	rVV	2108825	4022895	14.47%	1.257%
67	21.508	3172	3177	3186	rVB	1405876	2675103	9.62%	0.836%
68	21.772	3209	3222	3226	rBV	5004558	14436749	51.92%	4.511%
69	21.854	3226	3236	3243	rVV2	6020199	17028017	61.24%	5.321%
70	21.925	3243	3248	3253	rVV2	387450	684293	2.46%	0.214%
71	21.978	3253	3257	3262	rVV4	429222	762548	2.74%	0.238%

LSC Area Percent Report

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Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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	22.066	3262	3272	3285	rVB2	2600408	7092590	25.51%	2.216%
73	22.242	3297	3302	3308	rBV3	504251	932333	3.35%	0.291%
74	22.360	3318	3322	3327	rVB2	358995	658689	2.37%	0.206%
75	22.424	3327	3333	3338	rBV2	557428	1052765	3.79%	0.329%
76	22.518	3338	3349	3355	rVV	1934983	4963745	17.85%	1.551%
77	22.589	3355	3361	3369	rVB2	1088395	2481976	8.93%	0.776%
78	22.677	3369	3376	3381	rBV2	909902	2020896	7.27%	0.631%
79	22.800	3390	3397	3411	rVB3	1405546	5080128	18.27%	1.587%
80	22.930	3413	3419	3425	rVB	756421	1482189	5.33%	0.463%
81	23.041	3434	3438	3449	rVB2	140655	297123	1.07%	0.093%
82	23.212	3461	3467	3475	rBV3	261621	750206	2.70%	0.234%
83	23.358	3487	3492	3496	rBV2	197186	391846	1.41%	0.122%
84	23.629	3531	3538	3547	rVB4	530172	1448626	5.21%	0.453%
85	24.093	3593	3617	3622	rBV2	3558390	18903913	67.99%	5.907%
86	24.287	3642	3650	3659	rBV2	525677	1280396	4.60%	0.400%
87	24.816	3720	3740	3750	rBV	2544749	11369990	40.89%	3.553%
88	25.004	3751	3772	3782	rVB3	2881537	13373991	48.10%	4.179%
89	25.180	3793	3802	3812	rVB3	792720	2703546	9.72%	0.845%
90	25.503	3848	3857	3864	rBV2	240266	854409	3.07%	0.267%
91	25.861	3911	3918	3927	rVV3	280933	893332	3.21%	0.279%
92	25.955	3928	3934	3951	rVB	341041	1065281	3.83%	0.333%
93	26.390	4000	4008	4015	rVB	236799	671856	2.42%	0.210%
94	26.496	4016	4026	4047	rVB2	568881	2302983	8.28%	0.720%
95	27.677	4219	4227	4239	rVB6	190258	708033	2.55%	0.221%
96	28.353	4330	4342	4348	rBV2	242619	1053288	3.79%	0.329%
97	28.958	4408	4445	4455	rBV3	1317842	9820585	35.32%	3.069%
98	29.340	4497	4510	4521	rVB2	290550	1239121	4.46%	0.387%
99	29.498	4527	4537	4552	rVB	370747	1612256	5.80%	0.504%
100	30.162	4614	4650	4677	rVB3	1021079	8618839	31.00%	2.693%

Sum of corrected areas: 320033787

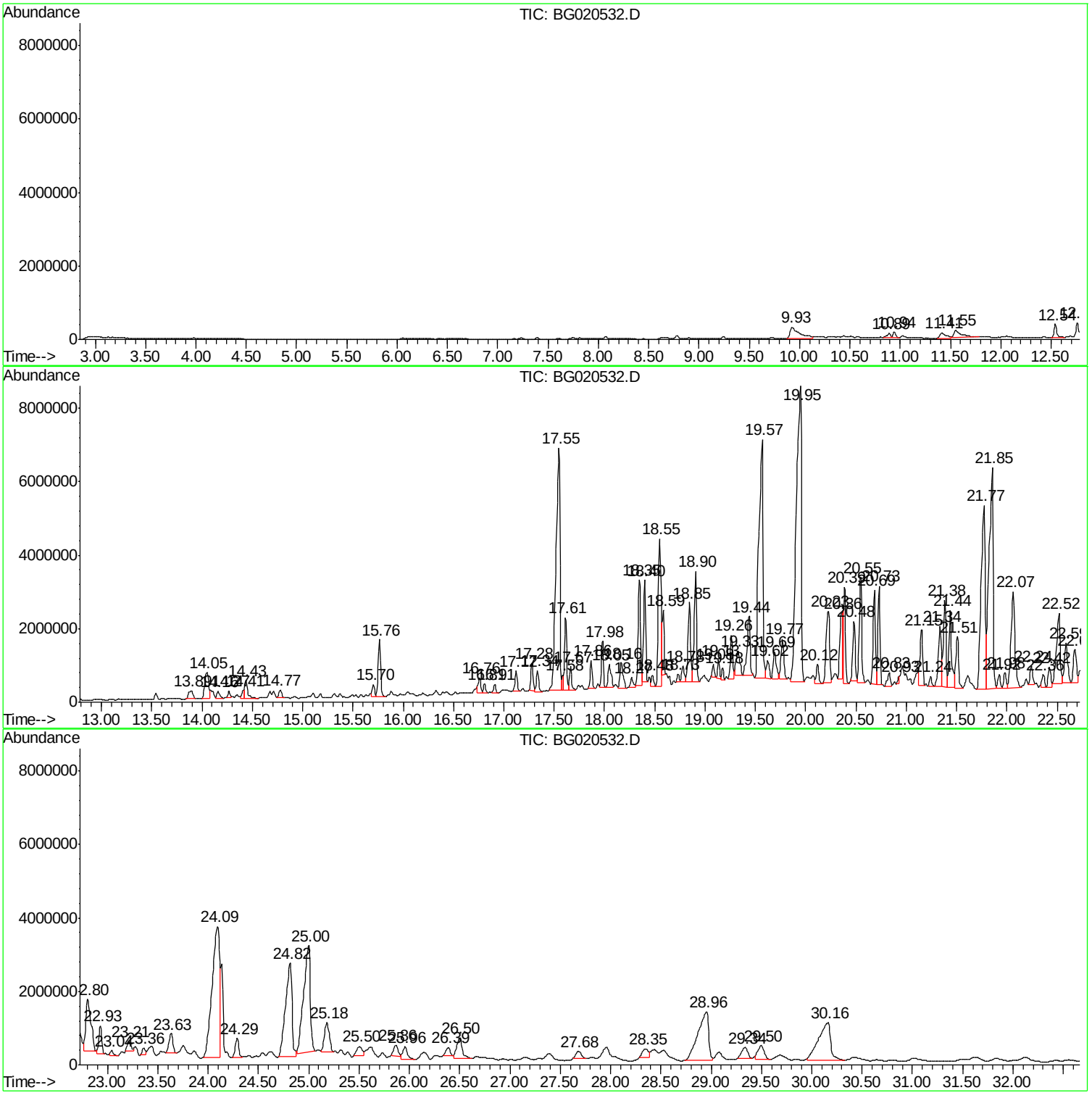
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D85

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 : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

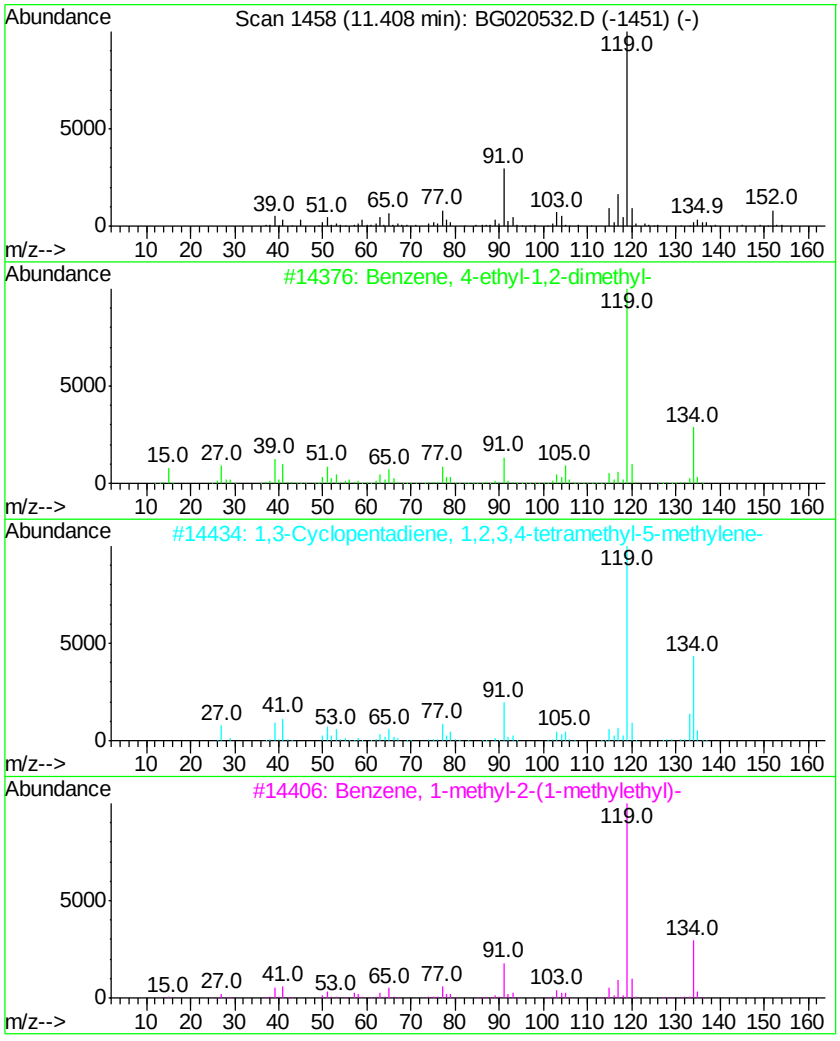
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

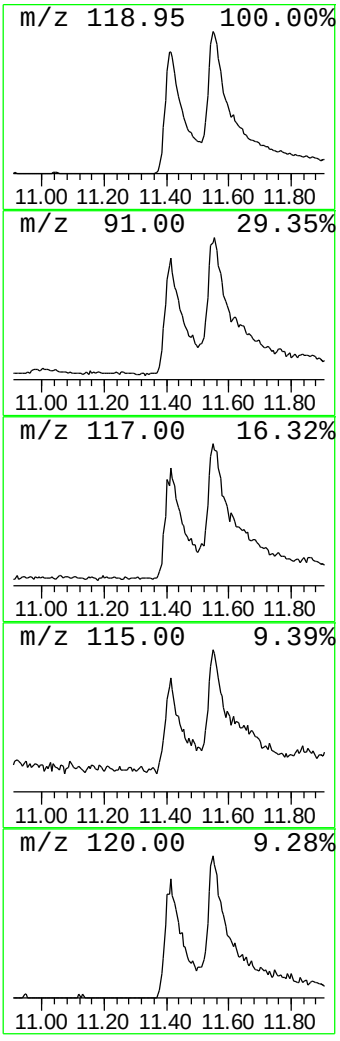
****

Peak Number 1 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	40.58 ng/ul	595418	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	72
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	68
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

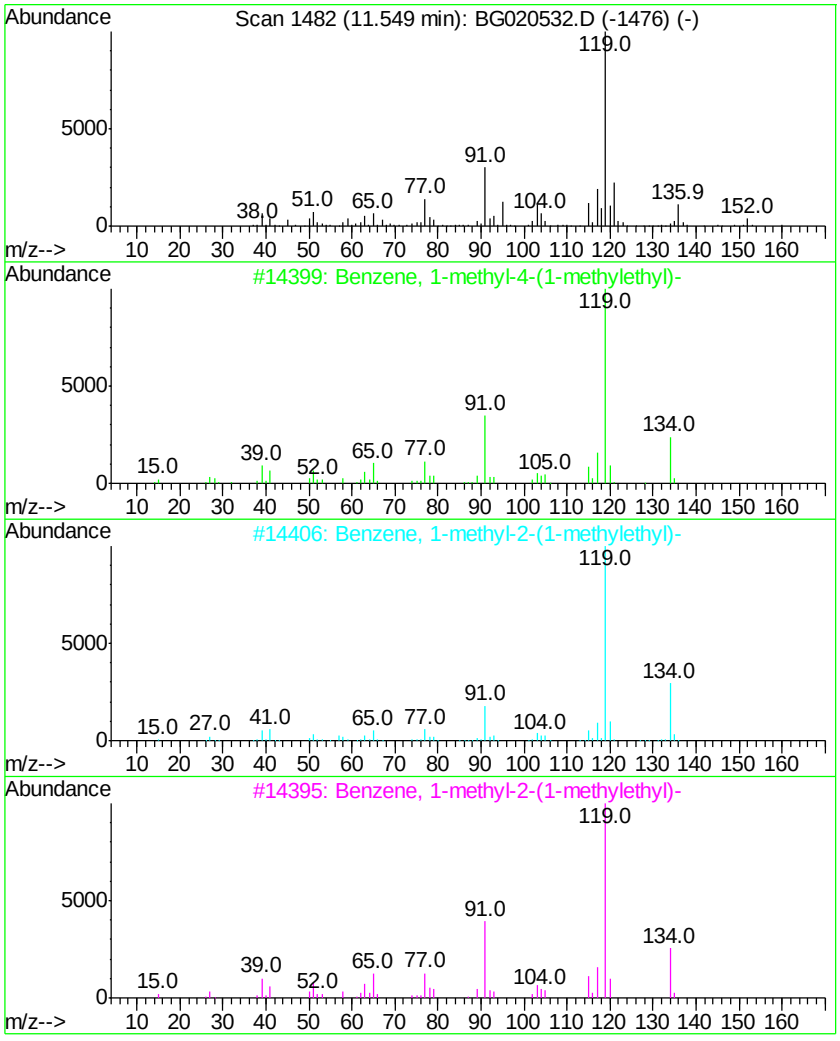
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

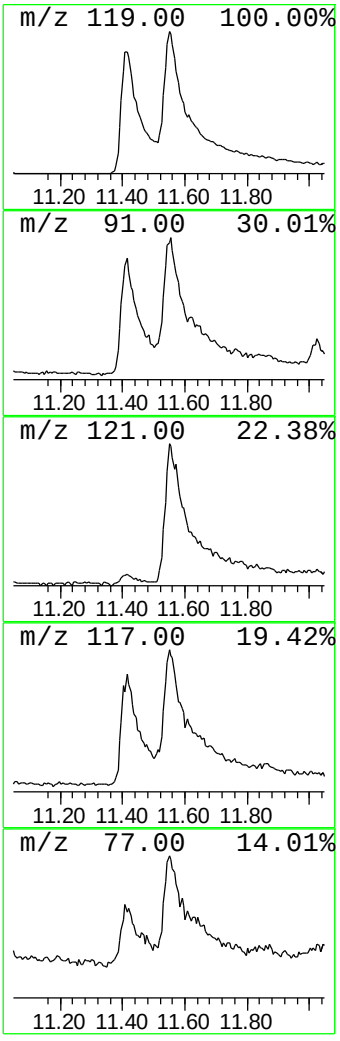
****

Peak Number 2 Benzene, 1-methyl-4-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	72.20 ng/ul	1059420	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	62
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	62
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	59
4	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	59
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

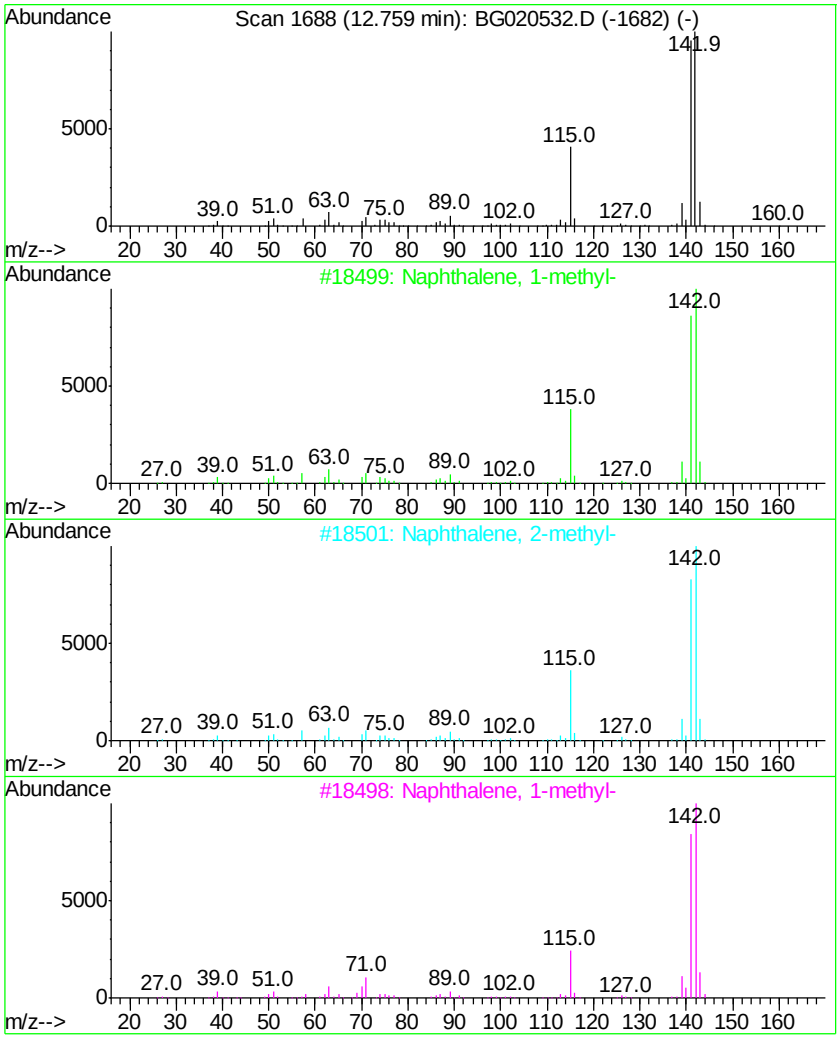
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

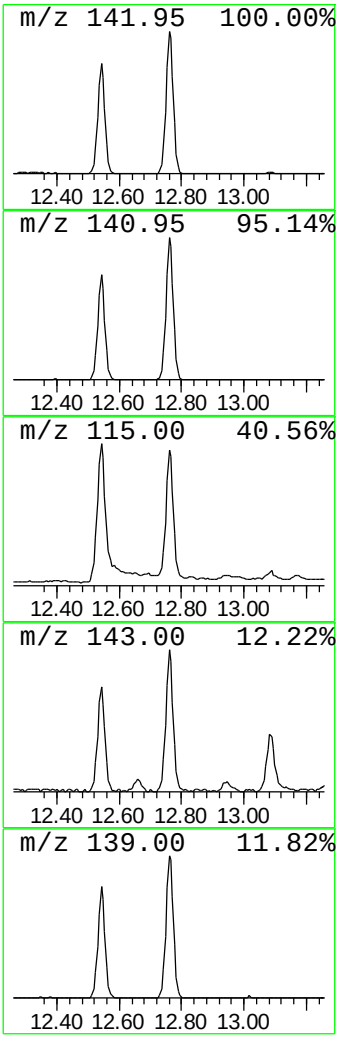
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	46.67 ng/ul	684718	Naphthalene-d8	10.89

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

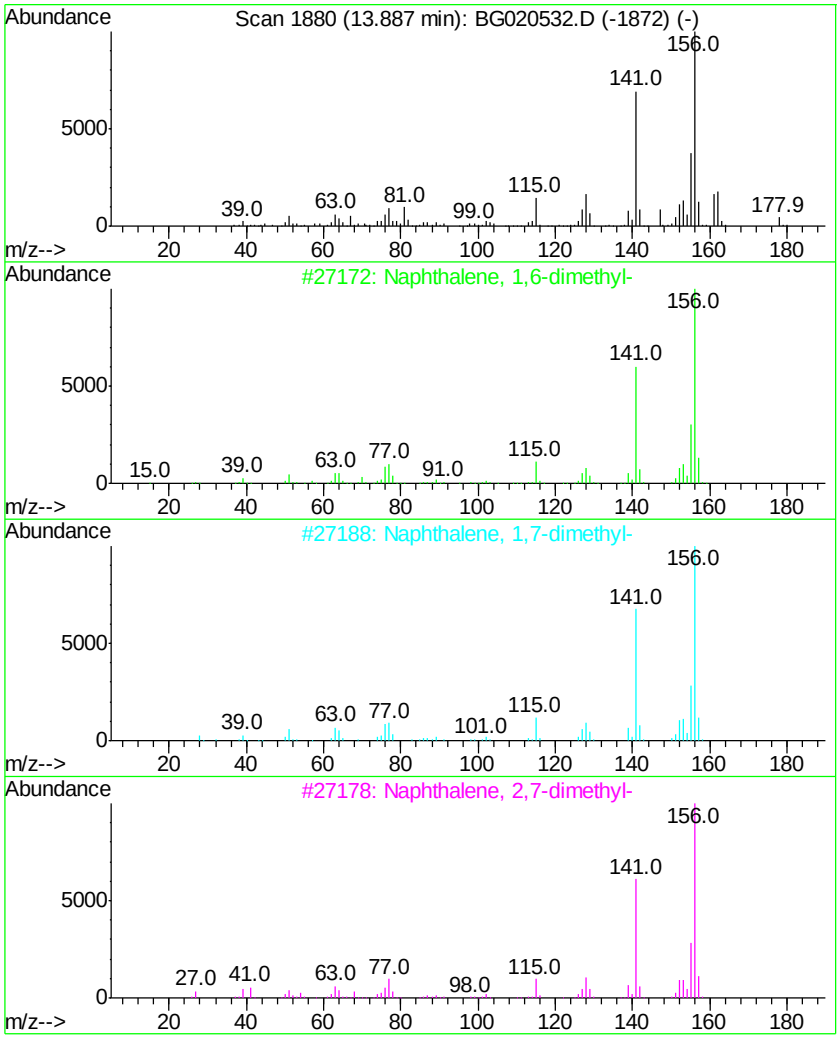
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

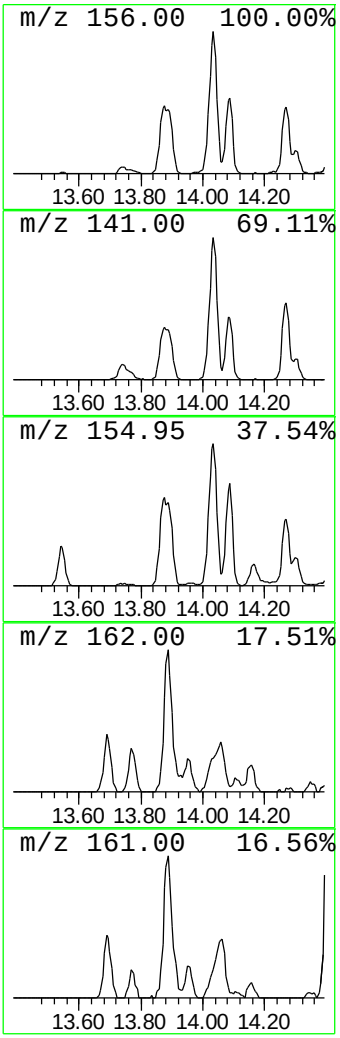
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	32.57 ng/ul	651720	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

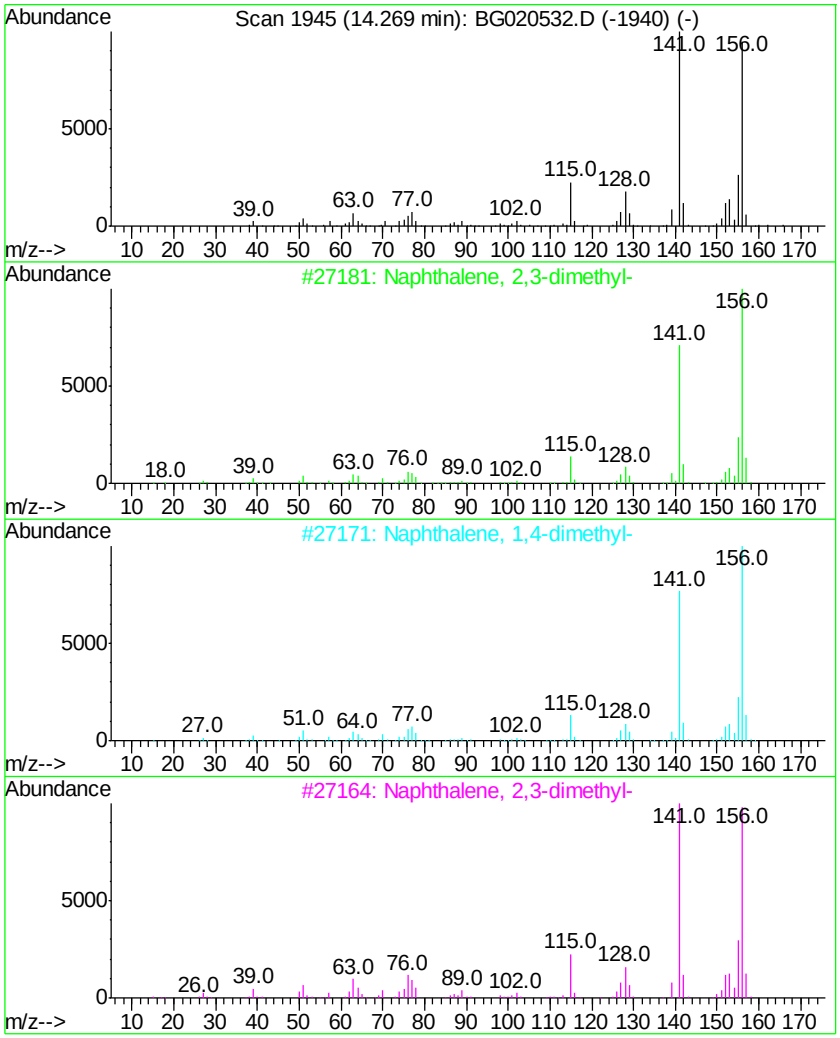
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

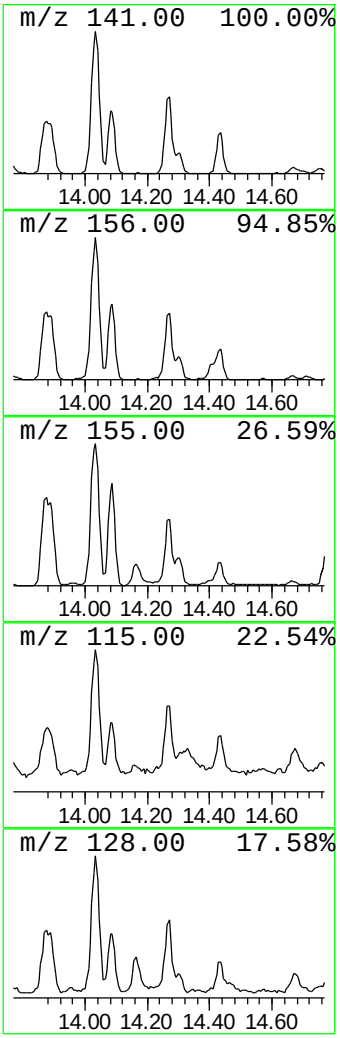
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	14.82 ng/ul	296572	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





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Operator : UM/SJ
Sample : G4802-10
Misc :
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Instrument : BNA_G
ClientSampleId : G9D85

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Quant Title : SVOA CALIBRATION

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

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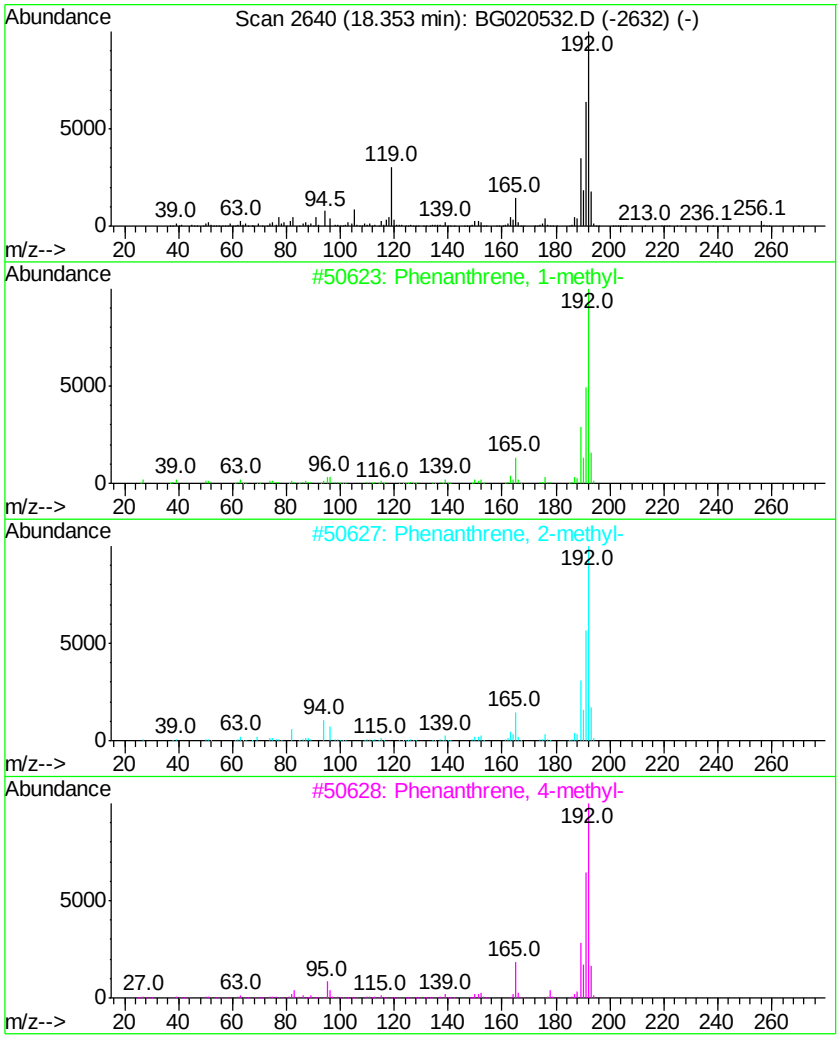
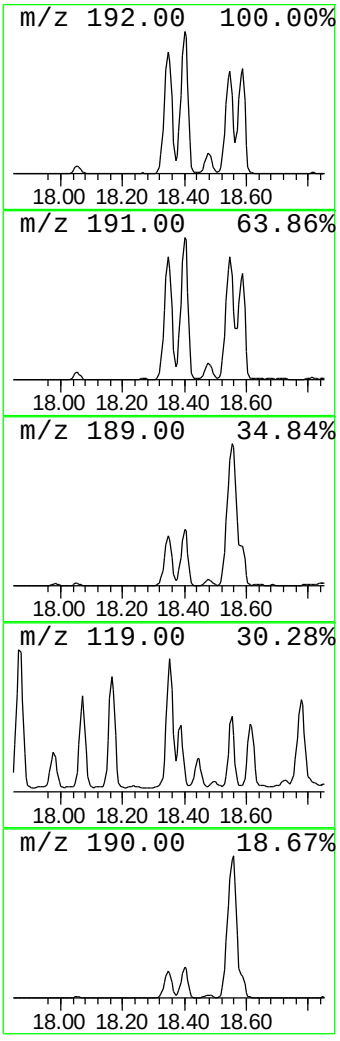
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	5.33 ng/ul	4891950	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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Instrument : BNA_G
ClientSampleId : G9D85

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Quant Title : SVOA CALIBRATION

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

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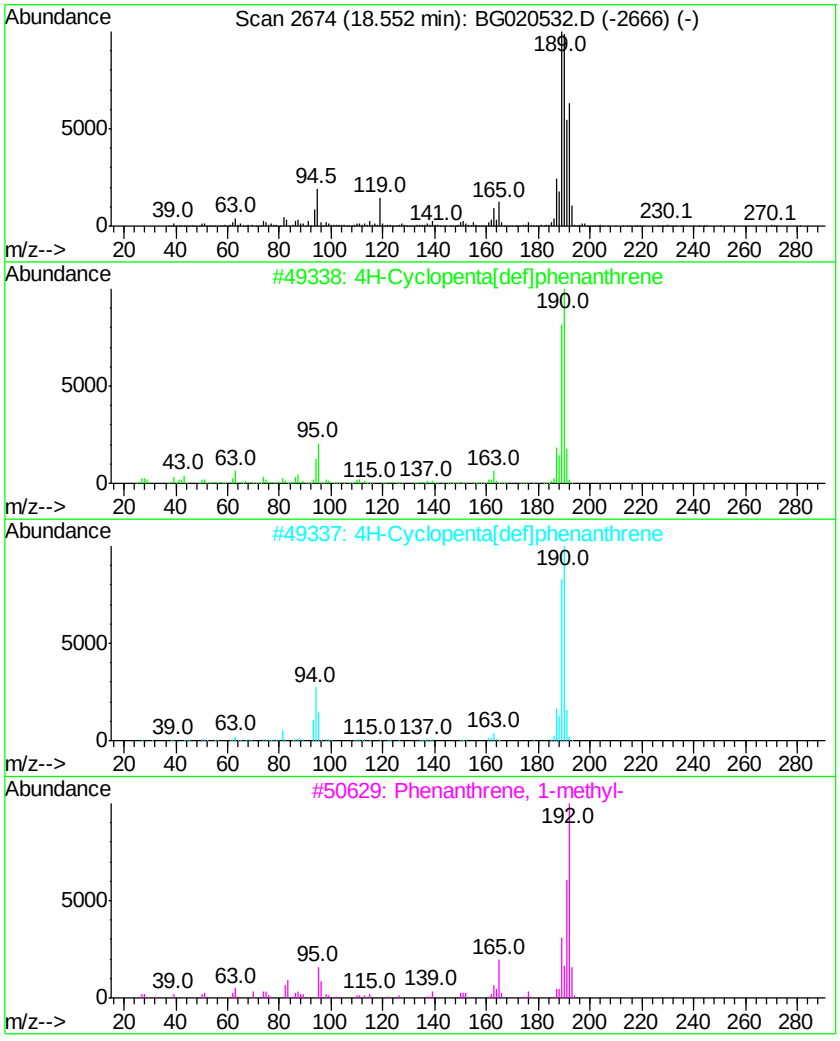
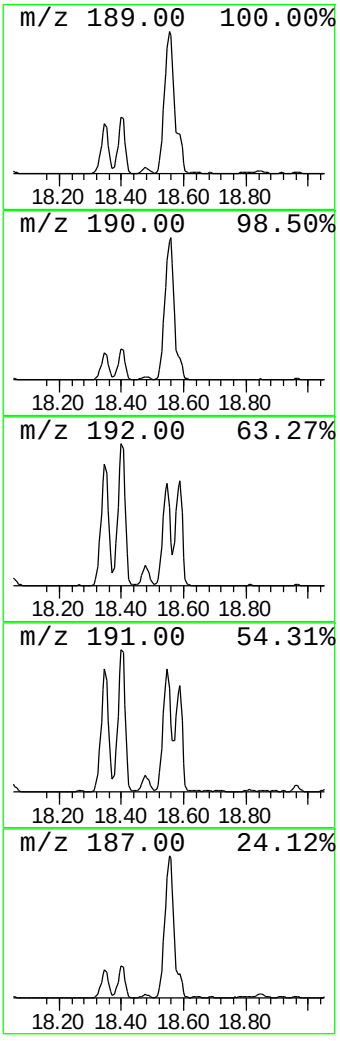
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	8.70 ng/ul	7984650	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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Instrument : BNA_G
ClientSampleId : G9D85

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Quant Title : SVOA CALIBRATION

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

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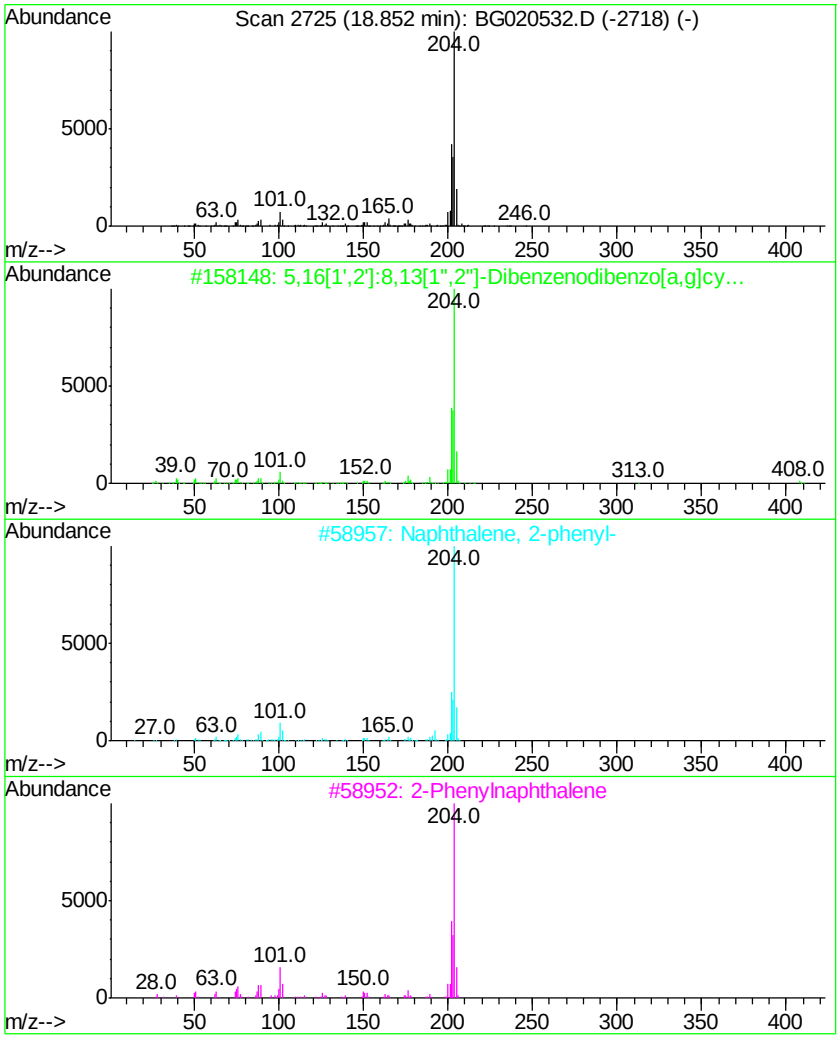
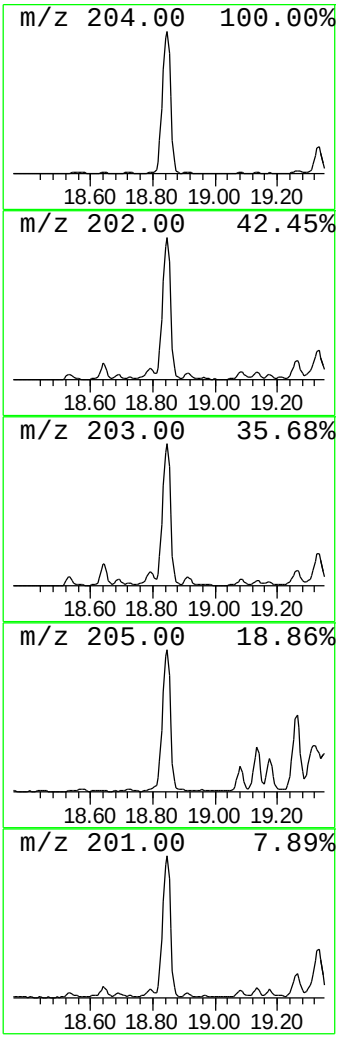
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.31 ng/ul	3958530	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	62
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Quant Title : SVOA CALIBRATION

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

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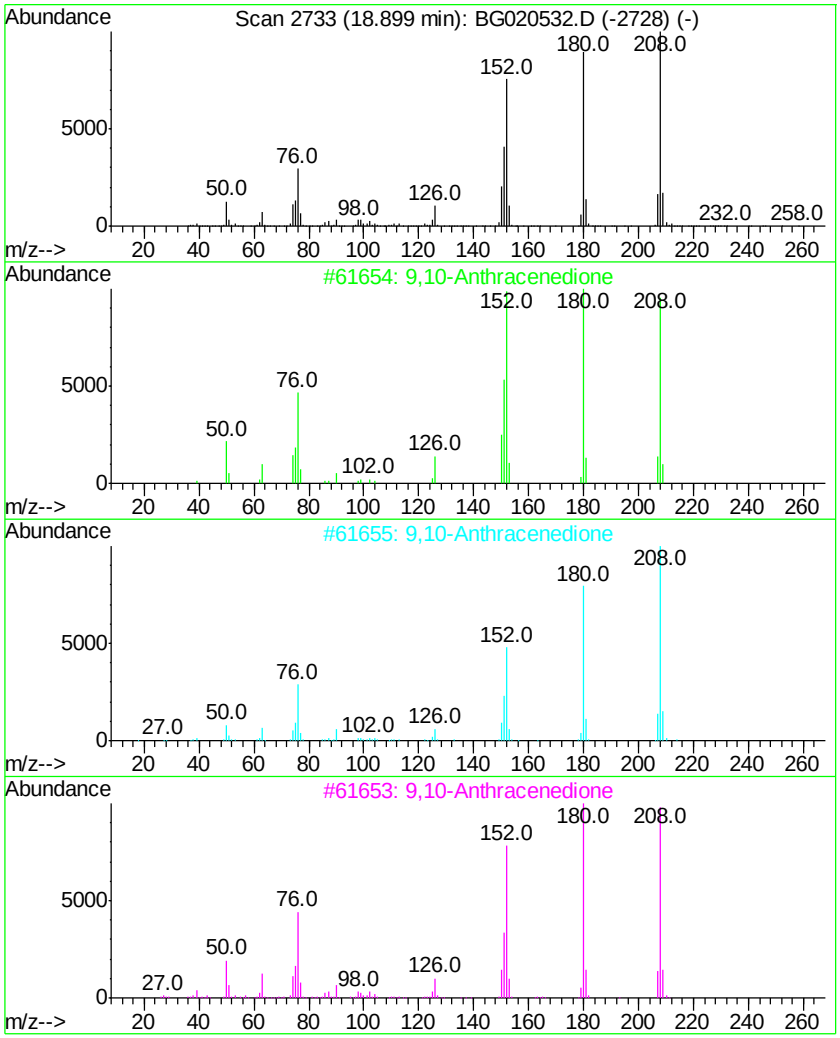
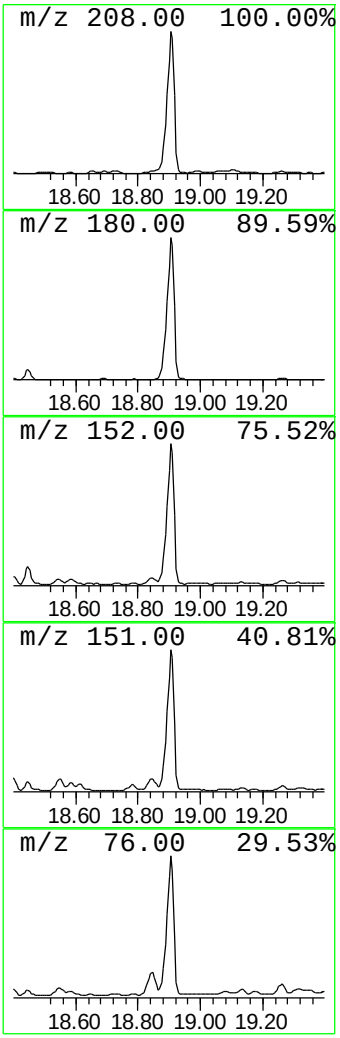
Peak Number 12 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	5.49 ng/ul	5038330	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64





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Quant Title : SVOA CALIBRATION

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

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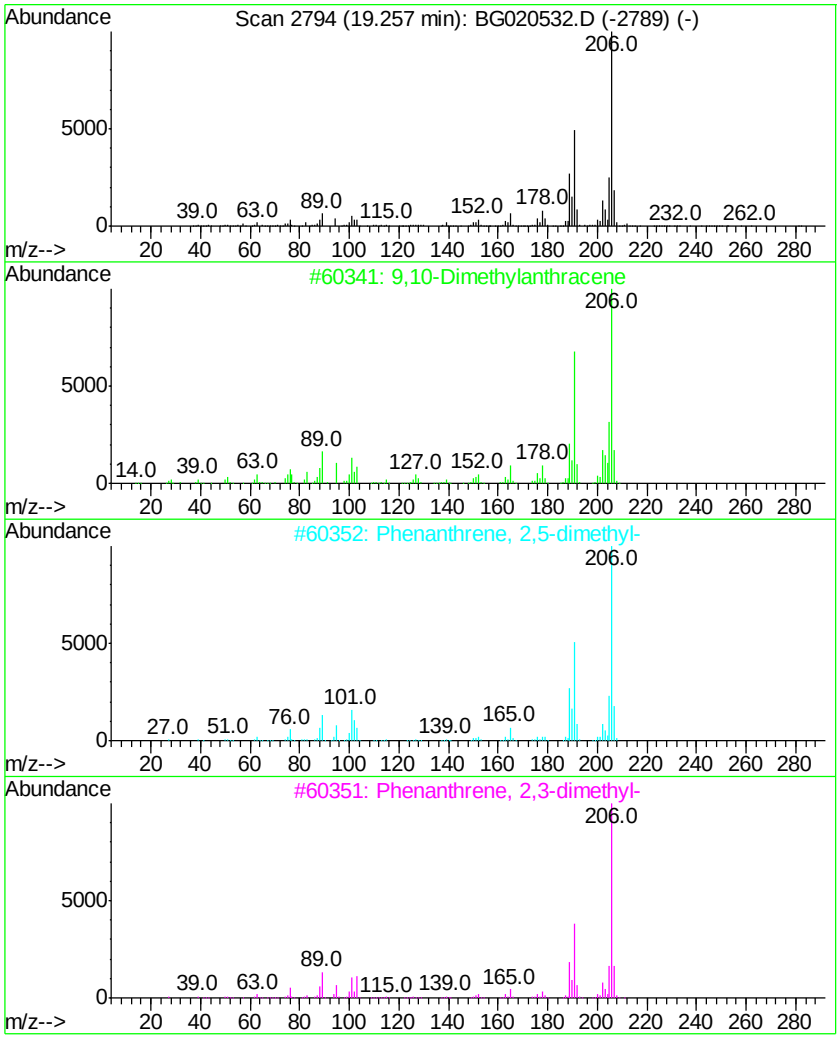
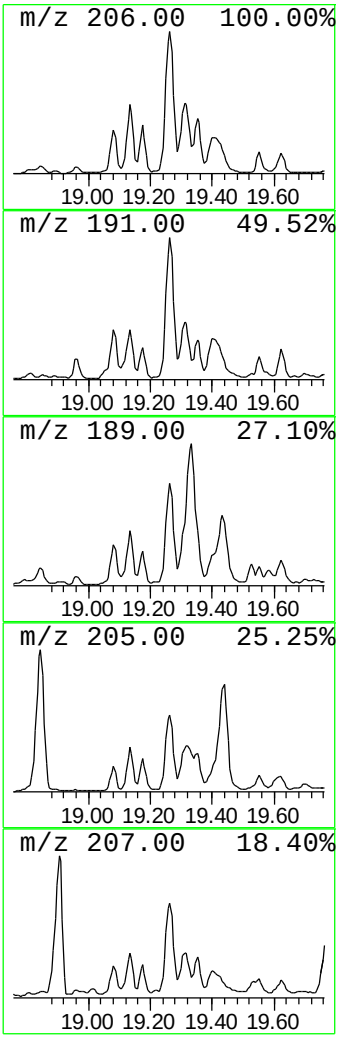
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	2.20 ng/ul	2024080	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Instrument : BNA_G
ClientSampleId : G9D85

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Quant Title : SVOA CALIBRATION

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

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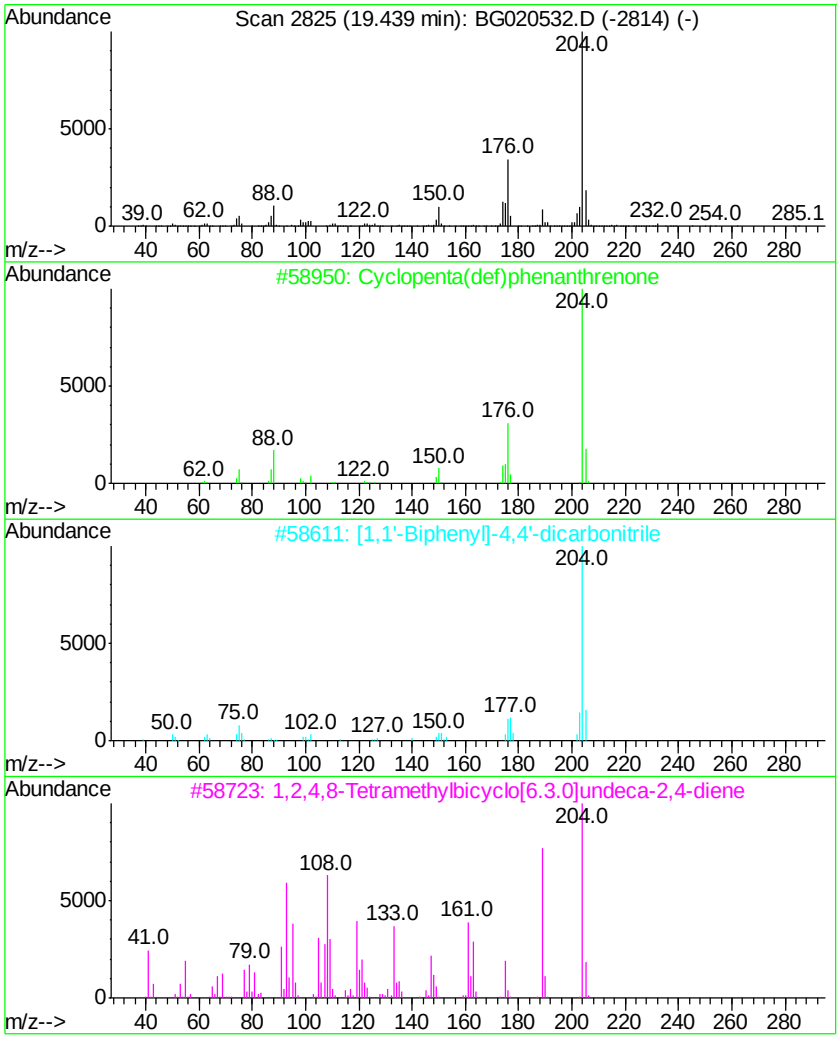
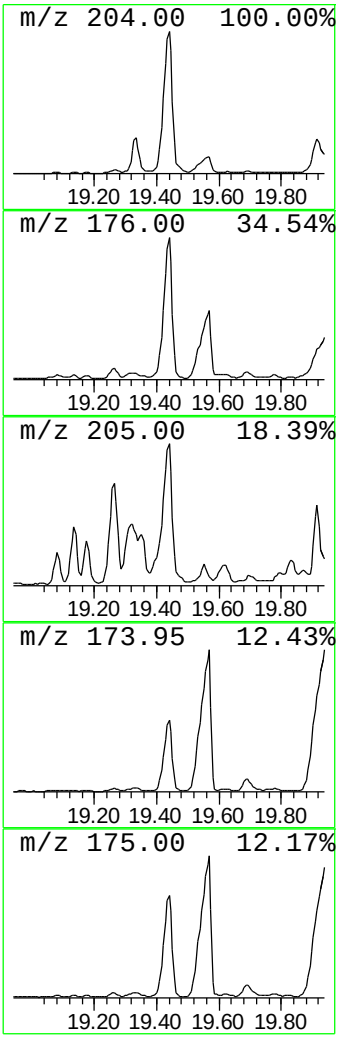
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	3.86 ng/ul	3539020	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	45





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Instrument : BNA_G
ClientSampleId : G9D85

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Quant Title : SVOA CALIBRATION

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

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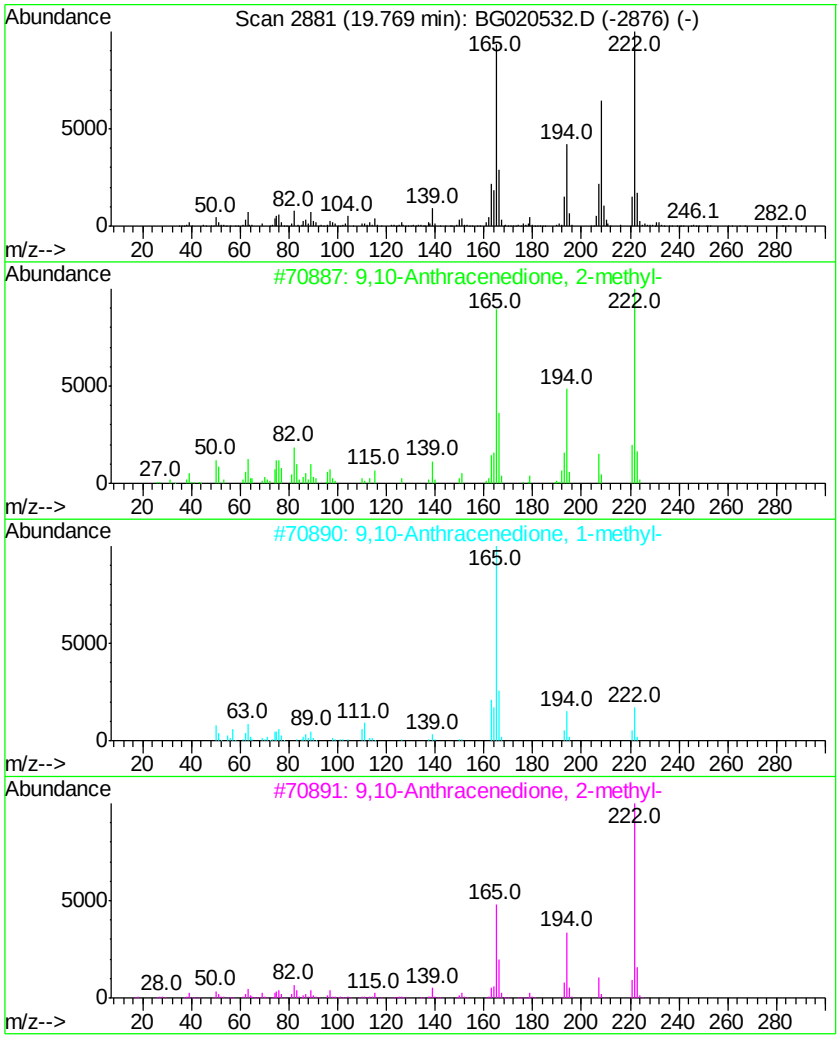
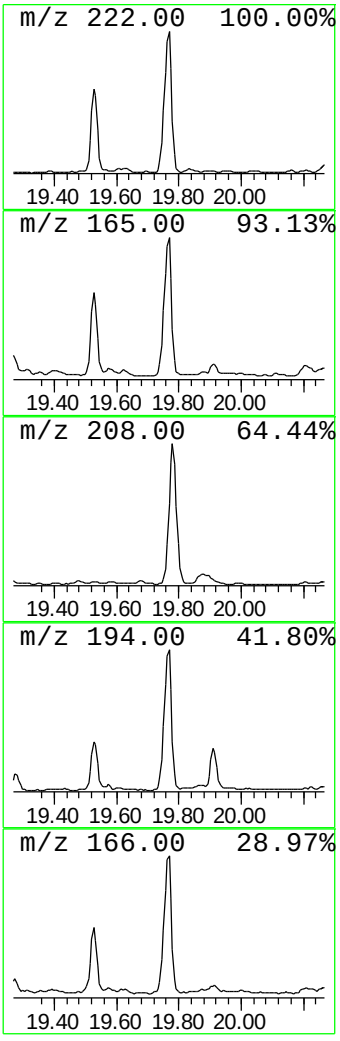
Peak Number 16 9,10-Anthracenedione, 2-met... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.90 ng/ul	2096930	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 2-methyl-	222	C15H10O2	000084-54-8	95
2	9,10-Anthracenedione, 1-methyl-	222	C15H10O2	000954-07-4	89
3	9,10-Anthracenedione, 2-methyl-	222	C15H10O2	000084-54-8	83
4	9,10-Anthracenedione, 1-methyl-	222	C15H10O2	000954-07-4	83
5	9-Keto-4-fluorenylethylene oxide	222	C15H10O2	053221-10-6	53





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Instrument : BNA_G
ClientSampleId : G9D85

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Quant Title : SVOA CALIBRATION

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

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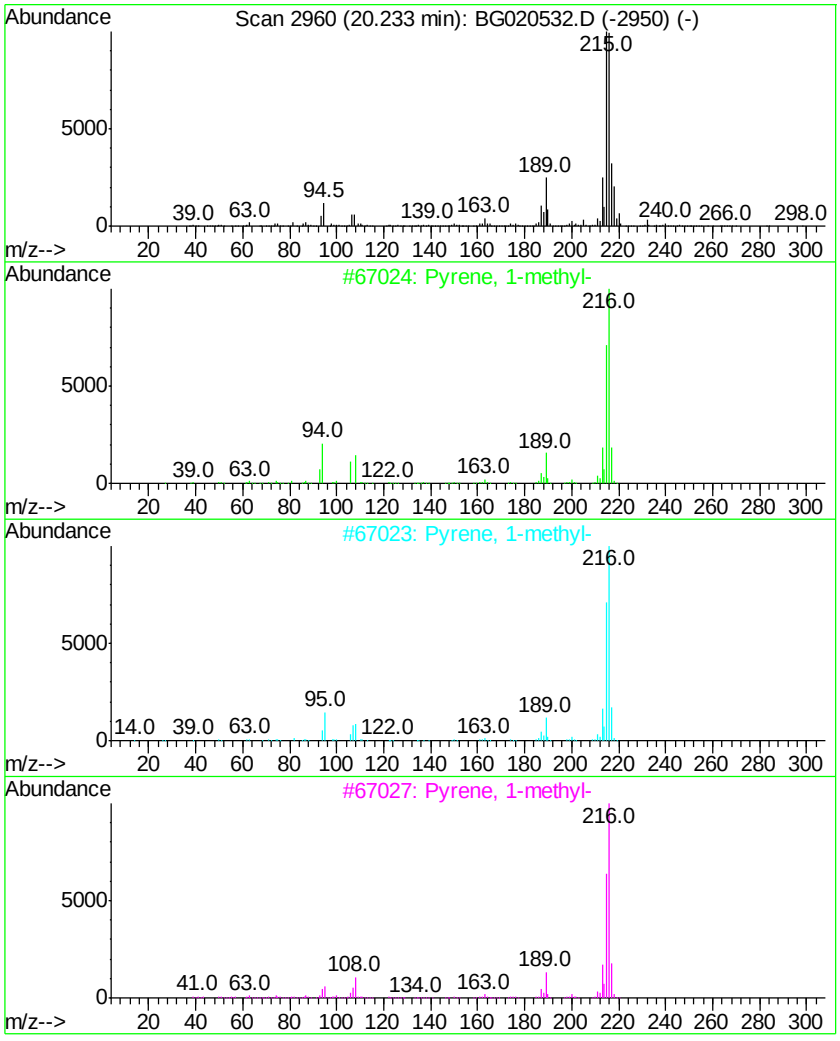
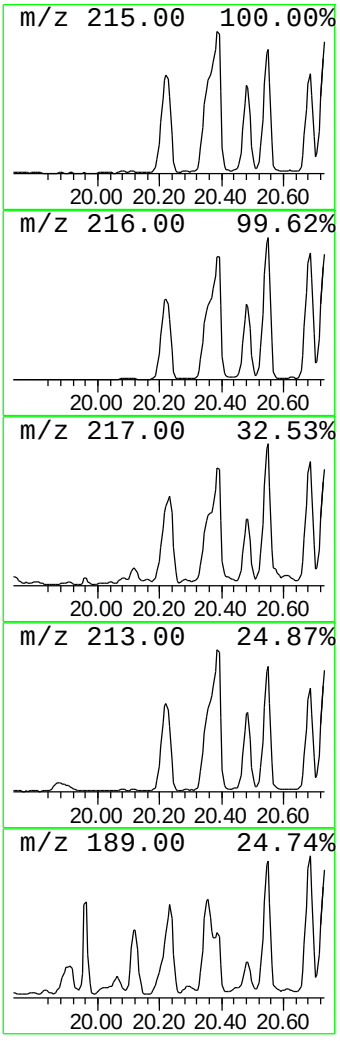
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	6.44 ng/ul	4645460	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Quant Title : SVOA CALIBRATION

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

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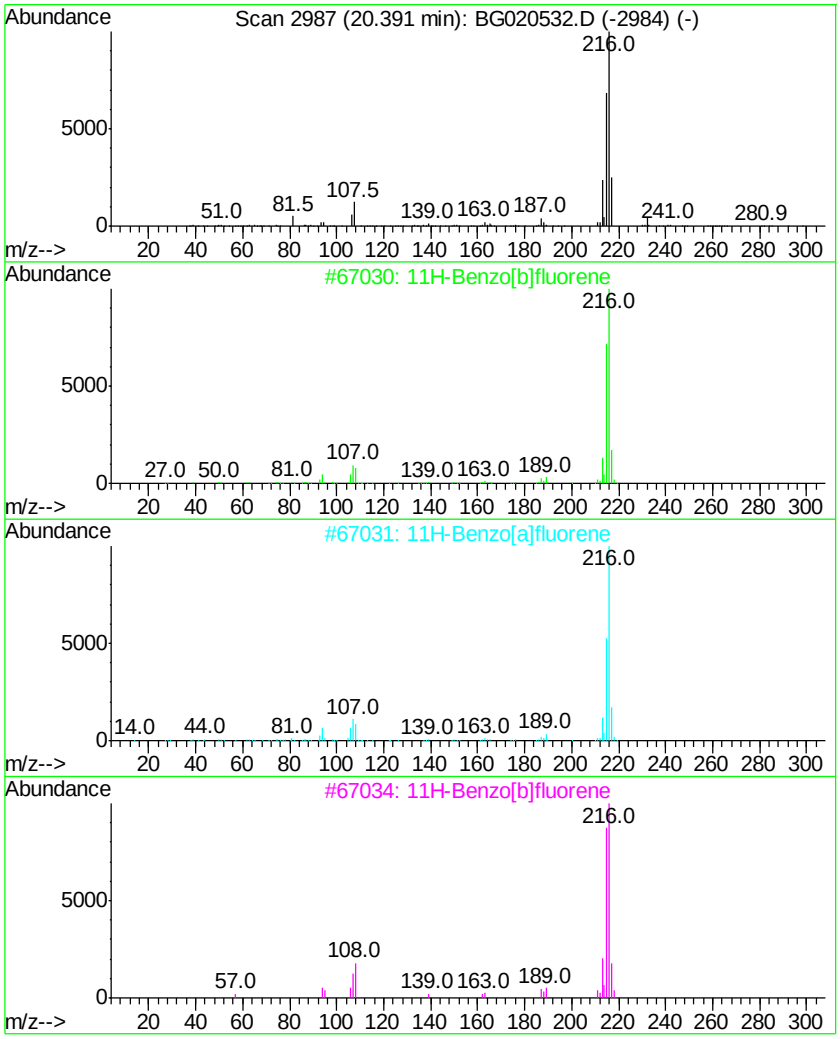
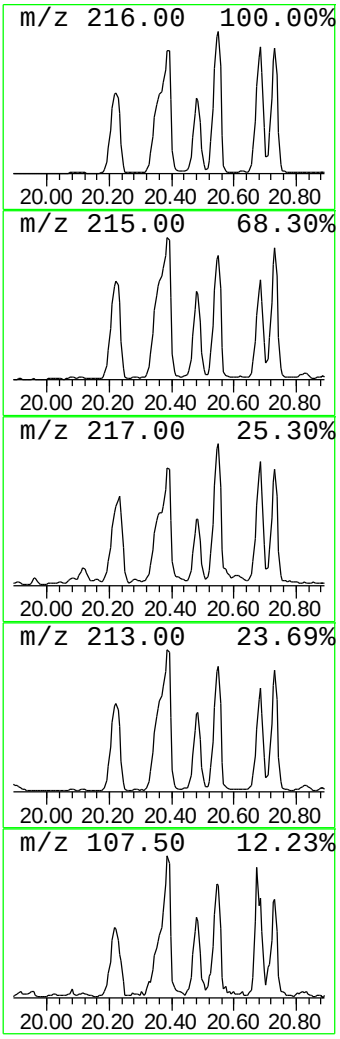
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	4.57 ng/ul	3296670	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Quant Title : SVOA CALIBRATION

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

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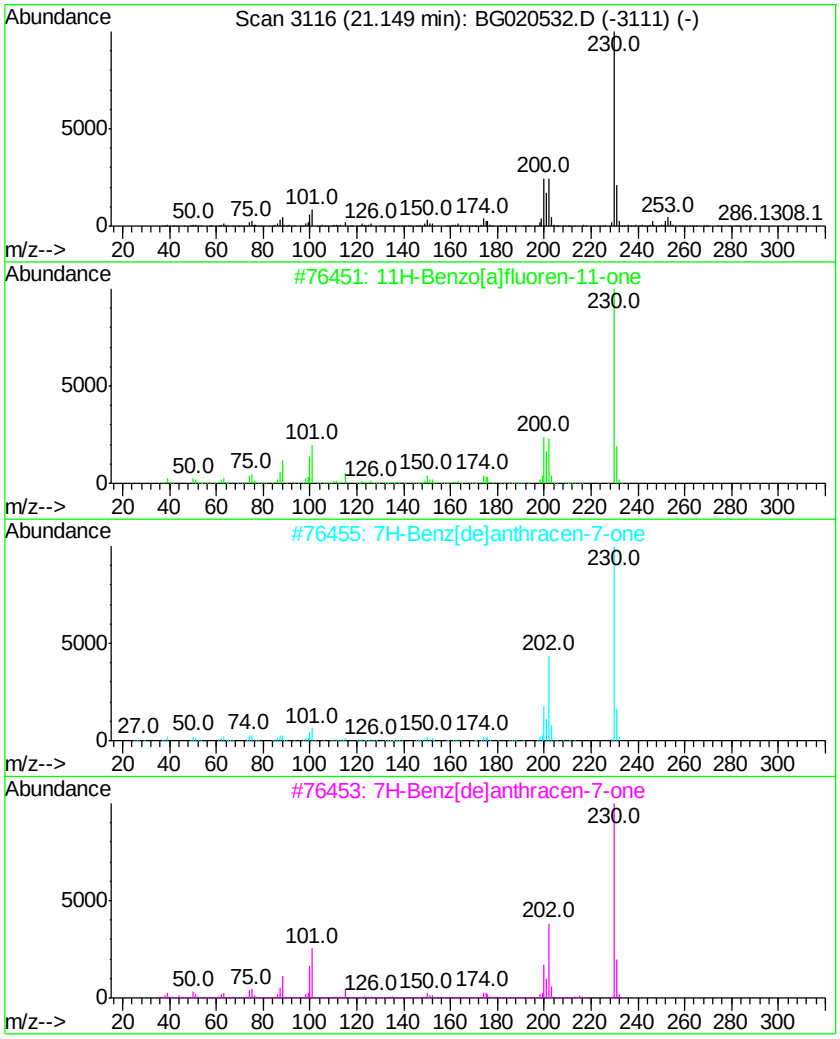
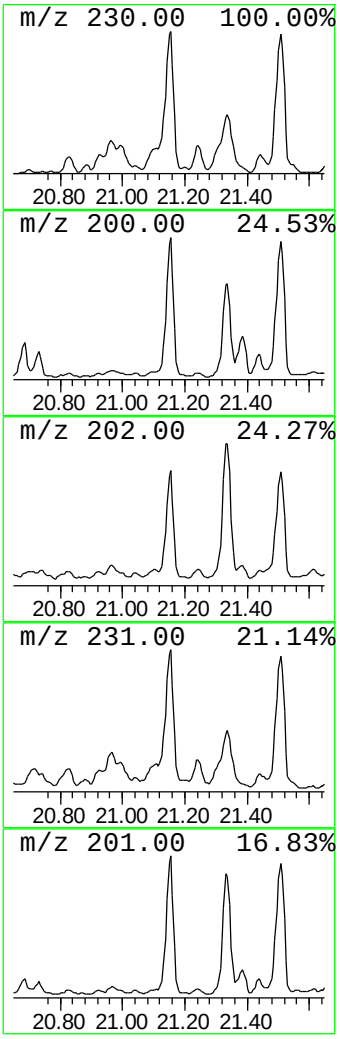
Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	3.80 ng/ul	2745670	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





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Quant Title : SVOA CALIBRATION

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

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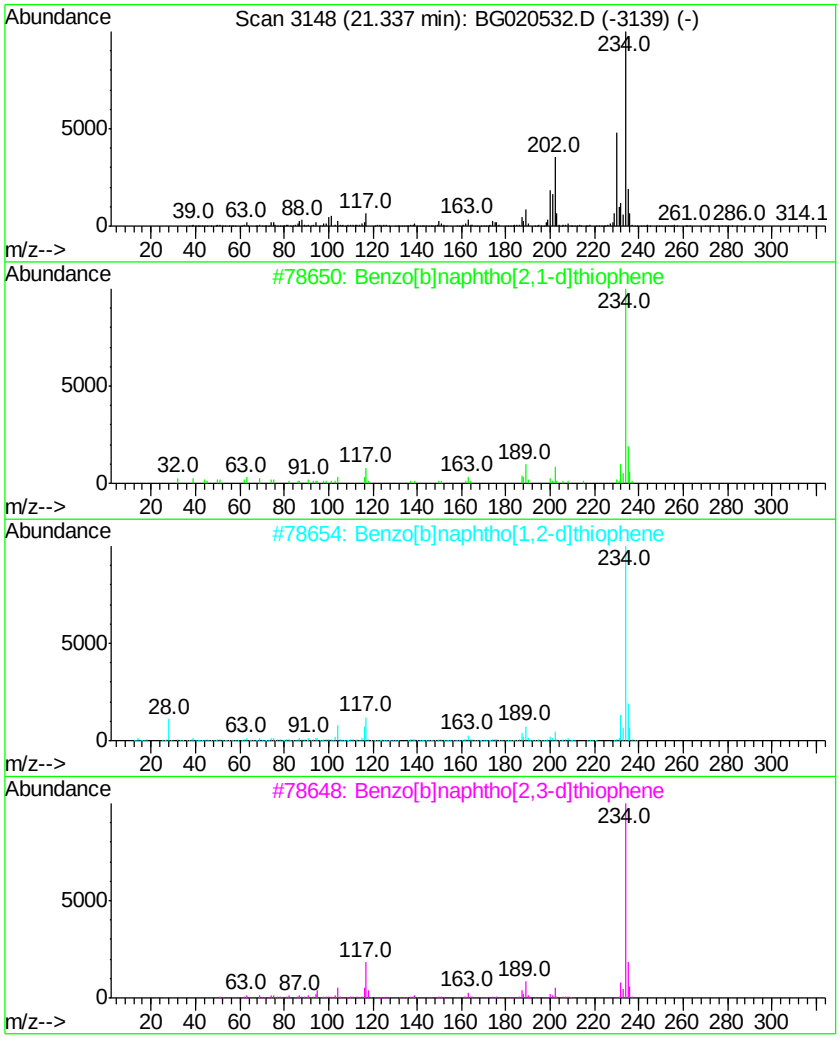
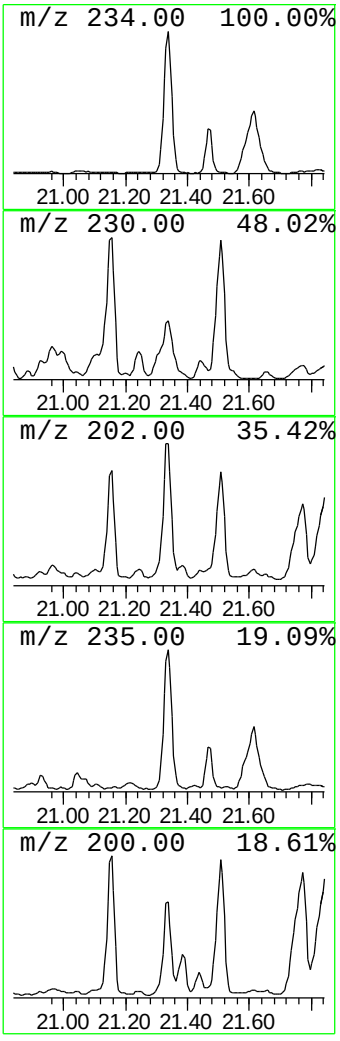
Peak Number 25 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	4.62 ng/ul	3336590	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	55
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	53
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	53
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	49





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ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

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

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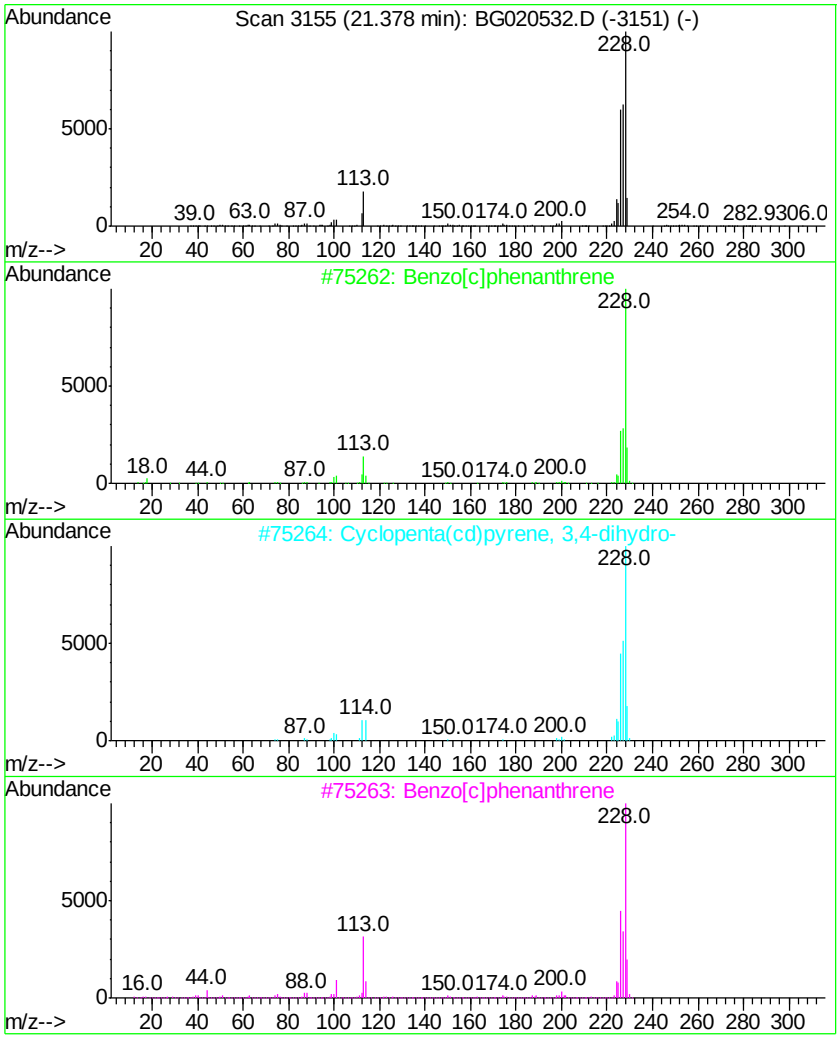
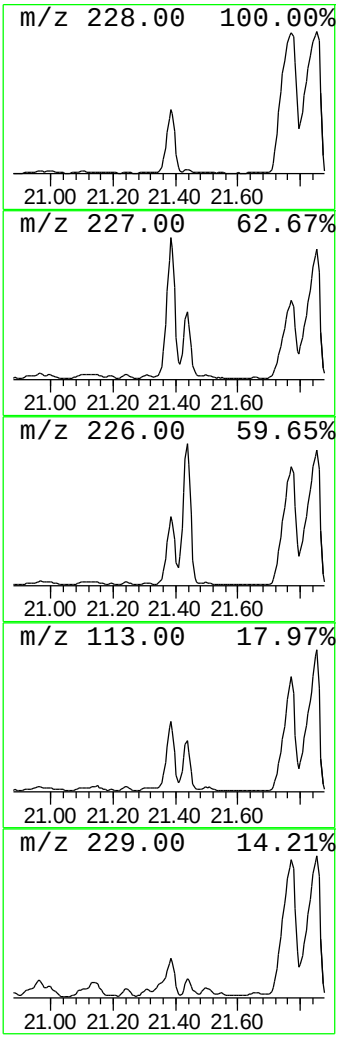
Peak Number 26 Benzo[c]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	6.16 ng/ul	4443730	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
5	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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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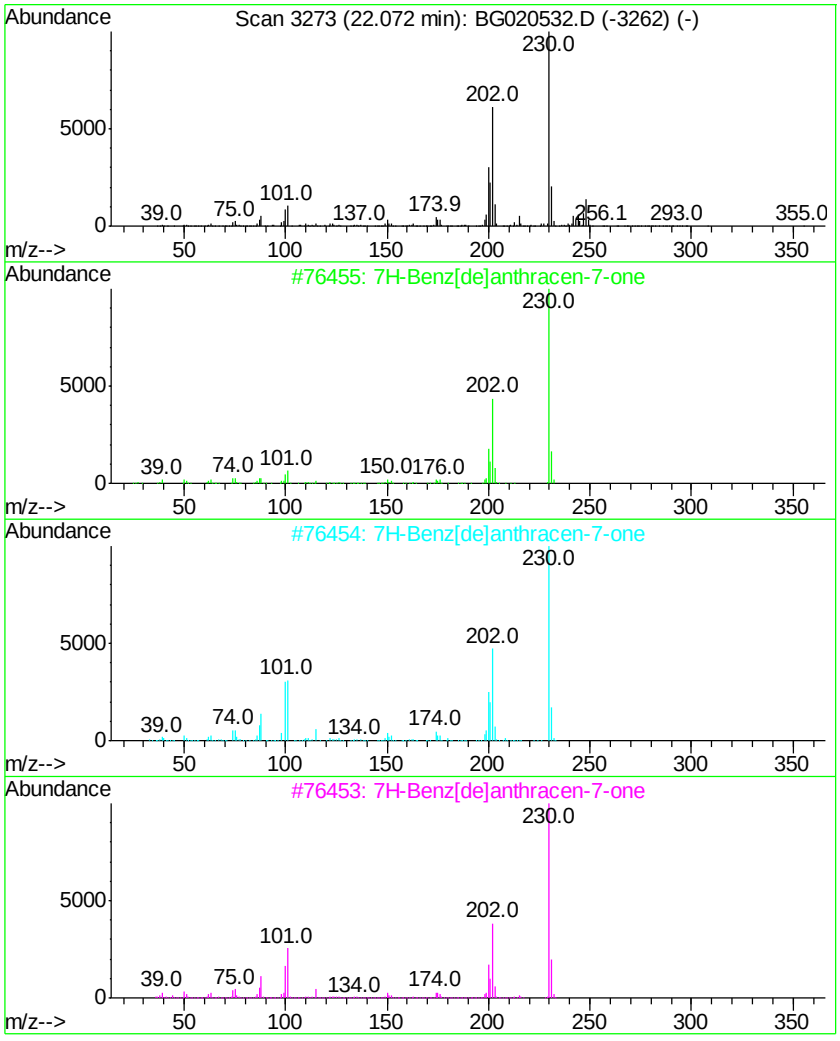
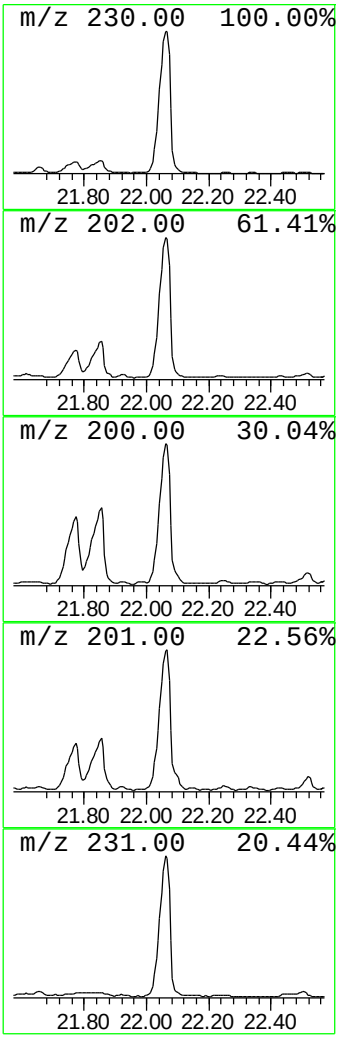
Peak Number 29 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.07	9.83 ng/ul	7092590	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

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

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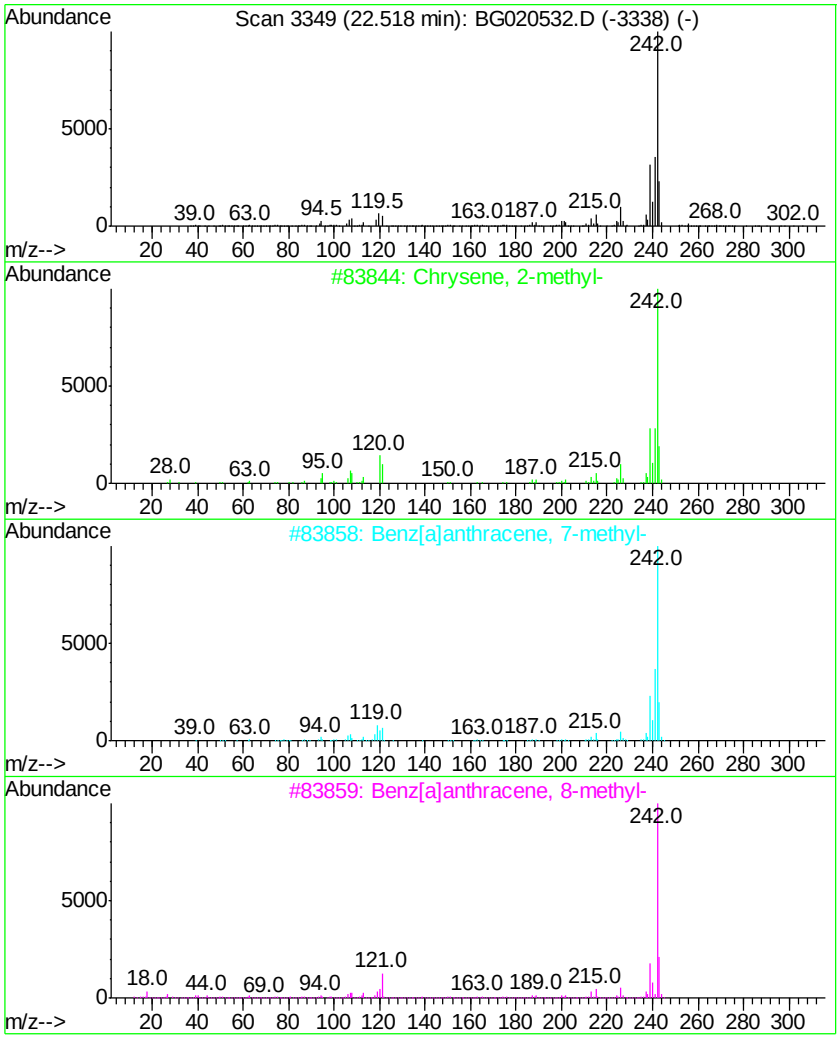
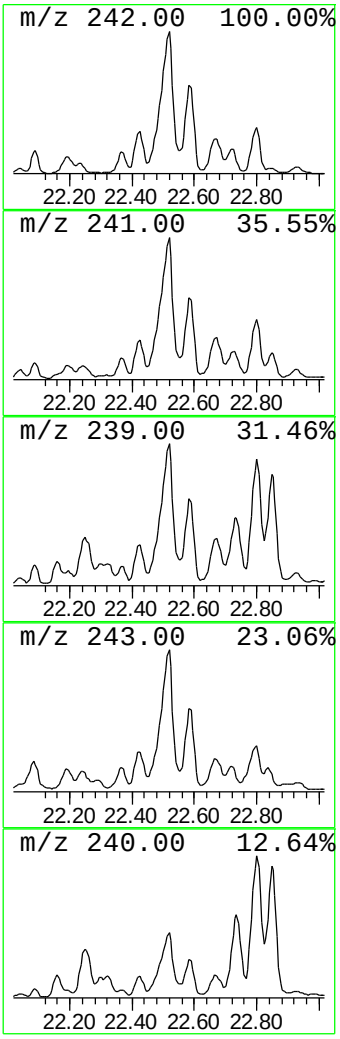
Peak Number 30 Chrysene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	6.88 ng/ul	4963750	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020532.D
Acq On : 26 Dec 2015 9:36
Operator : UM/SJ
Sample : G4802-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D85

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 4-ethyl-...	11.41	40.6	ng/ul	595418	2	10.89	293454	20.0
Benzene, 1-methyl...	11.55	72.2	ng/ul	1059420	2	10.89	293454	20.0
Naphthalene, 1-me...	12.76	46.7	ng/ul	684718	2	10.89	293454	20.0
Naphthalene, 1,6-...	13.89	32.6	ng/ul	651720	3	14.71	400234	20.0
Naphthalene, 2,3-...	14.27	14.8	ng/ul	296572	3	14.71	400234	20.0
Phenanthrene, 1-m...	18.35	5.3	ng/ul	4891950	4	17.47	18359600	20.0
4H-Cyclopenta[def...	18.55	8.7	ng/ul	7984650	4	17.47	18359600	20.0
5,16[1',2']:8,13[...	18.85	4.3	ng/ul	3958530	4	17.47	18359600	20.0
9,10-Anthracenedione	18.90	5.5	ng/ul	5038330	4	17.47	18359600	20.0
9,10-Dimethylanth...	19.26	2.2	ng/ul	2024080	4	17.47	18359600	20.0
Cyclopenta(def)ph...	19.44	3.9	ng/ul	3539020	4	17.47	18359600	20.0
9,10-Anthracenedi...	19.77	2.9	ng/ul	2096930	5	21.79	14436700	20.0
Pyrene, 1-methyl-	20.23	6.4	ng/ul	4645460	5	21.79	14436700	20.0
11H-Benzo[b]fluorene	20.39	4.6	ng/ul	3296670	5	21.79	14436700	20.0
11H-Benzo[a]fluor...	21.15	3.8	ng/ul	2745670	5	21.79	14436700	20.0
Benzo[b]naphtho[2...	21.34	4.6	ng/ul	3336590	5	21.79	14436700	20.0
Benzo[c]phenanthrene	21.38	6.2	ng/ul	4443730	5	21.79	14436700	20.0
7H-Benz[de]anthra...	22.07	9.8	ng/ul	7092590	5	21.79	14436700	20.0
Chrysene, 2-methyl-	22.52	6.9	ng/ul	4963750	5	21.79	14436700	20.0