LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UT-COMP-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG051099.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.764	380	387	395	rBV	591008	1008803	23.27%	2.306%
2	6.881	573	577	585	rVB	45692	81655	1.88%	0.187%
3	7.380	651	662	677	rBV	610441	1187292	27.38%	2.714%
4	7.815	731	736	740	rVB	32784	45237	1.04%	0.103%
5	8.109	778	786	791	rBV4	27205	62811	1.45%	0.144%
6	8.173	791	797	801	rVV	60736	99954	2.31%	0.228%
7	8.226	801	806	819	rVB	119363	257882	5.95%	0.589%
8	8.338	819	825	829	rBV4	26194	55600	1.28%	0.127%
9	8.432	837	841	847	rVV2	33430	63299	1.46%	0.145%
10	8.496	847	852	858	rVB3	26349	44667	1.03%	0.102%
11	8.743	885	894	897	rBV3	35516	85844	1.98%	0.196%
12	8.861	908	914	922	rBV5	49544	117710	2.71%	0.269%
13	8.961	925	931	936	rBV5	20535	45335	1.05%	0.104%
14	9.066	943	949	962	rVB6	39533	136639	3.15%	0.312%
15	9.325	988	993	999	rVB4	44302	77275	1.78%	0.177%
16	9.401	999	1006	1016	rBV	386573	819901	18.91%	1.874%
17	9.578	1032	1036	1042	rVB6	27355	47979	1.11%	0.110%
18	9.848	1078	1082	1088	rVV3	26338	46507	1.07%	0.106%
19	9.912	1088	1093	1097	rVV2	27282	51750	1.19%	0.118%
20	9.954	1097	1100	1107	rVB5	28861	57288	1.32%	0.131%
21	10.218	1140	1145	1150	rBV5	29454	54772	1.26%	0.125%
22	10.435	1175	1182	1187	rVB6	25893	50893	1.17%	0.116%
23	10.800	1238	1244	1250	rBV	39448	75860	1.75%	0.173%
24	10.982	1270	1275	1280	rBV2	39534	68403	1.58%	0.156%
25	11.052	1281	1287	1292	rVV	167493	324494	7.48%	0.742%
26	11.105	1292	1296	1301	rVV	95619	167416	3.86%	0.383%
27	11.164	1301	1306	1312	rVB4	29983	59015	1.36%	0.135%
28	11.728	1394	1402	1412	rVB4	14427	45384	1.05%	0.104%
29	12.415	1514	1519	1525	rBV2	32497	50379	1.16%	0.115%
30	12.692	1561	1566	1572	rBV	61108	97838	2.26%	0.224%
31	12.909	1595	1603	1612	rBV2	46301	98234	2.27%	0.225%
32	13.473	1692	1699	1709	rVB	922897	1456428	33.59%	3.329%
33	13.643	1722	1728	1732	rBV	36598	58197	1.34%	0.133%
34	14.031	1786	1794	1804	rVB4	39982	108751	2.51%	0.249%
35	14.172	1812	1818	1822	rBV	56798	106831	2.46%	0.244%
36	14.225	1823	1827	1831	rVB	30603	44572	1.03%	0.102%

LSC Area Percent Report

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Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.578	1882	1887	1892	rBV4	26952	54963	1.27%	0.126%
38	14.854	1929	1934	1939	rVV	263121	409788	9.45%	0.937%
39	14.918	1939	1945	1951	rVB	241299	398951	9.20%	0.912%
40	15.053	1962	1968	1977	rBV3	24093	74034	1.71%	0.169%
41	15.136	1977	1982	1989	rBV8	38413	90021	2.08%	0.206%
42	15.247	1995	2001	2007	rVB2	125678	221051	5.10%	0.505%
43	15.318	2009	2013	2017	rBV2	36828	49899	1.15%	0.114%
44	15.459	2032	2037	2042	rBV2	35134	71285	1.64%	0.163%
45	15.653	2068	2070	2077	rVB3	41135	56914	1.31%	0.130%
46	15.900	2105	2112	2122	rBV	216971	372410	8.59%	0.851%
47	16.058	2135	2139	2143	rVB3	57134	84319	1.94%	0.193%
48	16.182	2157	2160	2168	rVB2	49435	91315	2.11%	0.209%
49	16.340	2181	2187	2194	rBV2	658463	1032550	23.81%	2.360%
50	16.534	2213	2220	2233	rVB4	76415	225992	5.21%	0.517%
51	16.951	2288	2291	2300	rVB6	35381	57564	1.33%	0.132%
52	17.310	2349	2352	2356	rBV2	45728	78463	1.81%	0.179%
53	17.357	2358	2360	2364	rVV3	55225	73652	1.70%	0.168%
54	17.421	2366	2371	2377	rVB	109440	183735	4.24%	0.420%
55	17.603	2396	2402	2405	rBV	264803	453042	10.45%	1.036%
56	17.650	2405	2410	2416	rVV	1708207	2699218	62.25%	6.170%
57	17.739	2420	2425	2430	rVV	486852	736401	16.98%	1.683%
58	17.791	2431	2434	2439	rVV	49619	82469	1.90%	0.189%
59	17.850	2442	2444	2449	rVB	41468	50666	1.17%	0.116%
60	18.003	2466	2470	2475	rVB	176685	276080	6.37%	0.631%
61	18.473	2544	2550	2554	rBV2	178178	366305	8.45%	0.837%
62	18.526	2554	2559	2564	rVB	221107	353003	8.14%	0.807%
63	18.602	2569	2572	2577	rVB	80816	113695	2.62%	0.260%
64	18.673	2578	2584	2588	rBV3	351697	673753	15.54%	1.540%
65	18.967	2630	2634	2639	rBV2	189140	289540	6.68%	0.662%
66	19.196	2668	2673	2680	rVB	672760	976980	22.53%	2.233%
67	19.378	2699	2704	2711	rVB3	137916	299595	6.91%	0.685%
68	19.666	2746	2753	2762	rVB	2592893	4335995	100.00%	9.911%
69	19.930	2795	2798	2801	rVB	139449	155884	3.60%	0.356%
70	19.983	2801	2807	2808	rBV	487475	685812	15.82%	1.568%
71	20.018	2808	2813	2819	rVV	2299111	3646199	84.09%	8.334%
72	20.071	2819	2822	2830	rVB2	99941	156092	3.60%	0.357%
73	20.189	2837	2842	2847	rVB2	1334177	1814549	41.85%	4.148%
74	20.247	2850	2852	2857	rVB	109621	159077	3.67%	0.364%
75	20.324	2861	2865	2871	rVB2	109210	233490	5.38%	0.534%
76	20.459	2884	2888	2891	rBV2	256315	370021	8.53%	0.846%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.494	2891	2894	2901	rVB2	329227	477135	11.00%	1.091%
78	20.594	2907	2911	2915	rBV	327937	447412	10.32%	1.023%
79	20.964	2970	2974	2978	rVB	200219	253068	5.84%	0.578%
80	21.481	3056	3062	3066	rBV2	215919	500026	11.53%	1.143%
81	21.563	3072	3076	3081	rBV2	169222	279309	6.44%	0.638%
82	21.746	3102	3107	3117	rVB	1829516	2703702	62.35%	6.180%
83	21.892	3126	3132	3139	rBV3	1061543	2310991	53.30%	5.282%
84	21.963	3139	3144	3154	rVB	887053	1586676	36.59%	3.627%
85	22.051	3156	3159	3165	rVB2	168906	246255	5.68%	0.563%
86	22.116	3166	3170	3178	rVB	227648	402248	9.28%	0.919%
87	24.254	3524	3534	3541	rBV	571505	2156338	49.73%	4.929%
88	25.018	3657	3664	3677	rVB	336378	1082908	24.97%	2.475%
89	25.177	3682	3691	3702	rVB	508795	1487866	34.31%	3.401%

Sum of corrected areas: 43749601

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
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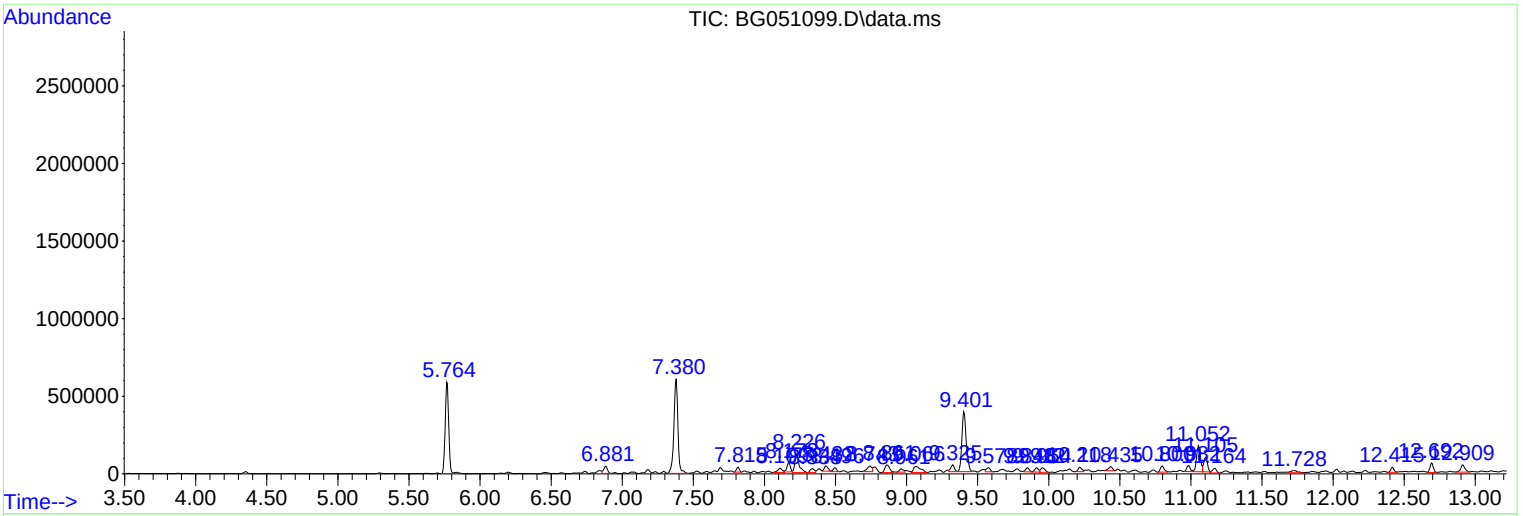
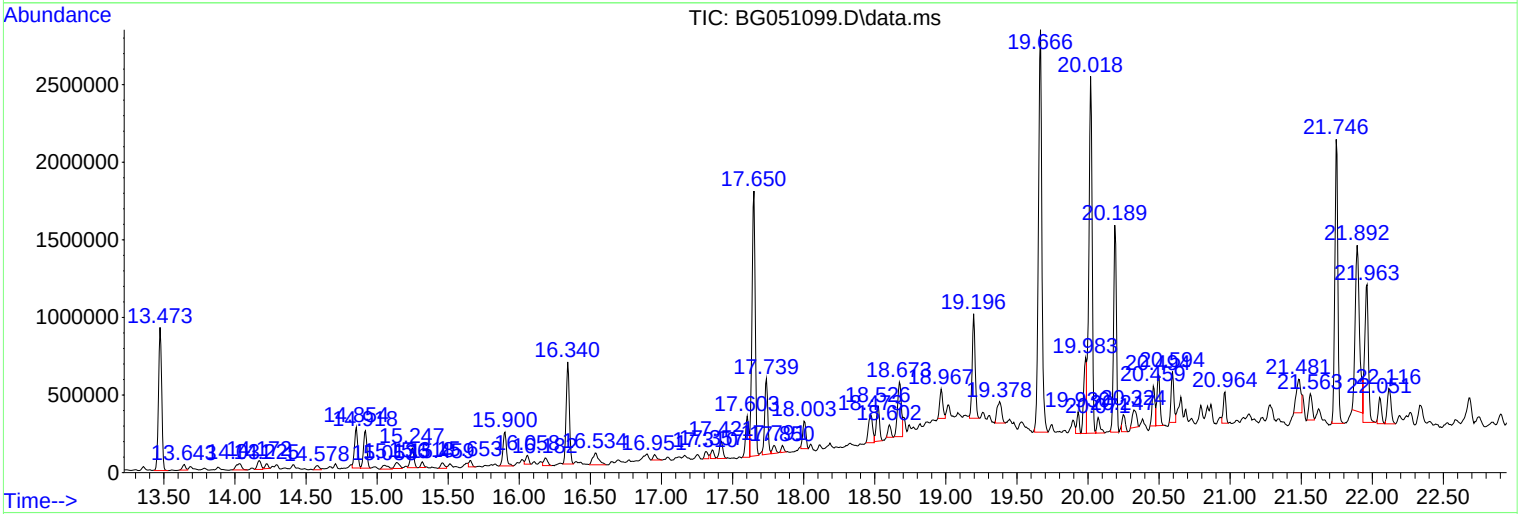
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

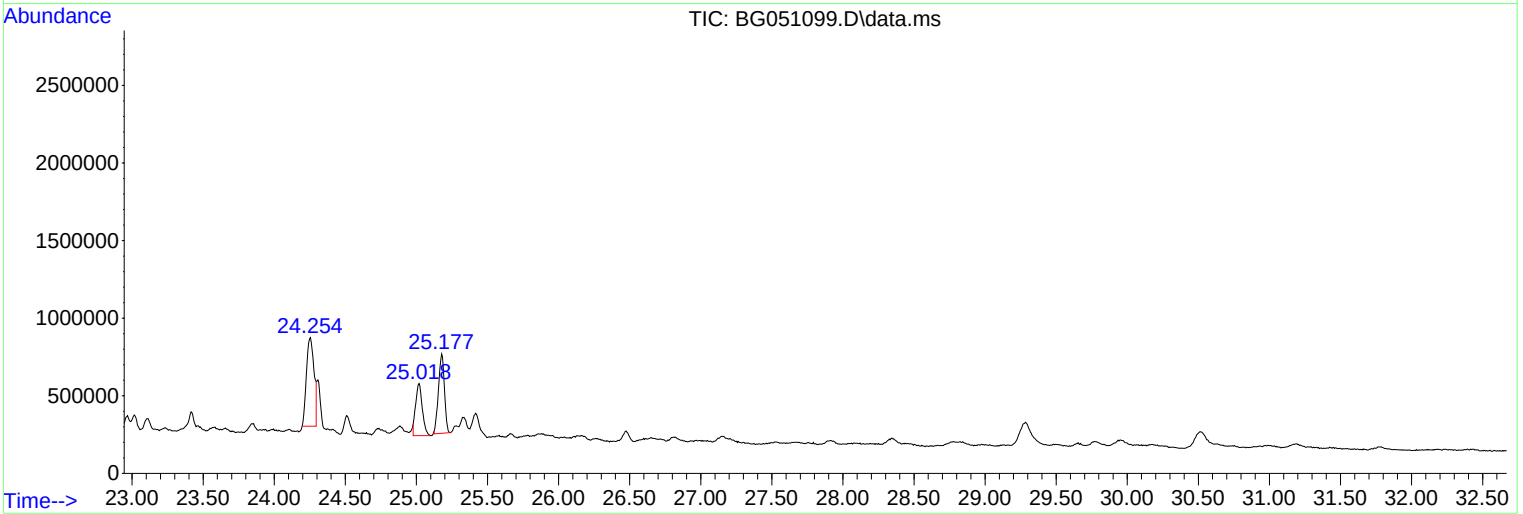
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
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Sample : M4693-01
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Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

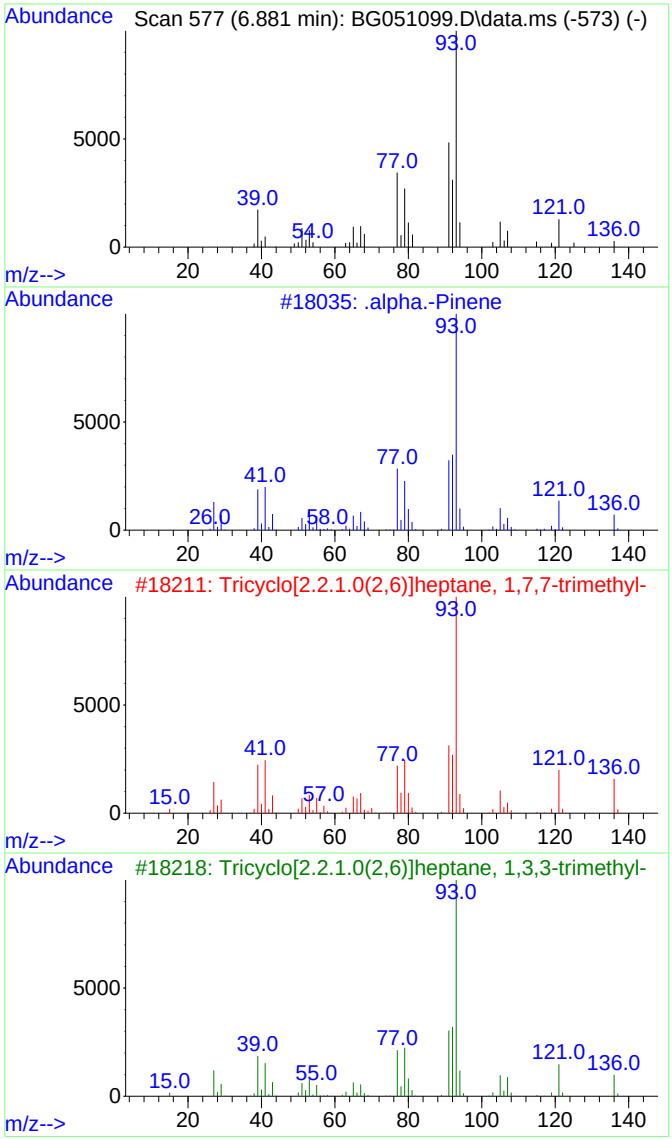
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

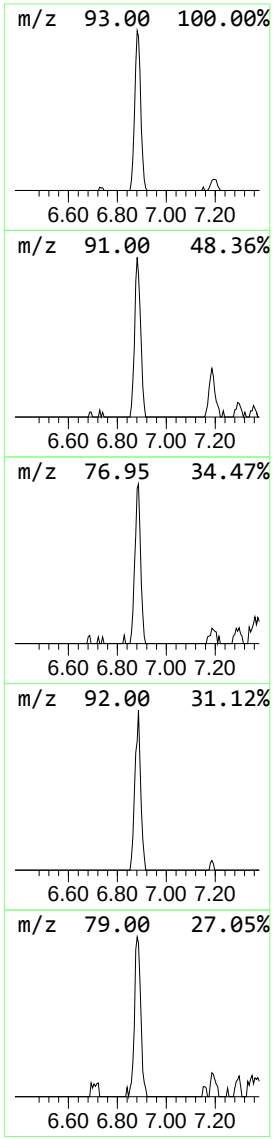
****

Peak Number 1 .alpha.-Pinene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.881	6.33 ng	81655	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	91
4	3-Carene	136	C10H16	013466-78-9	90
5	trans-.beta.-Ocimene	136	C10H16	003779-61-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

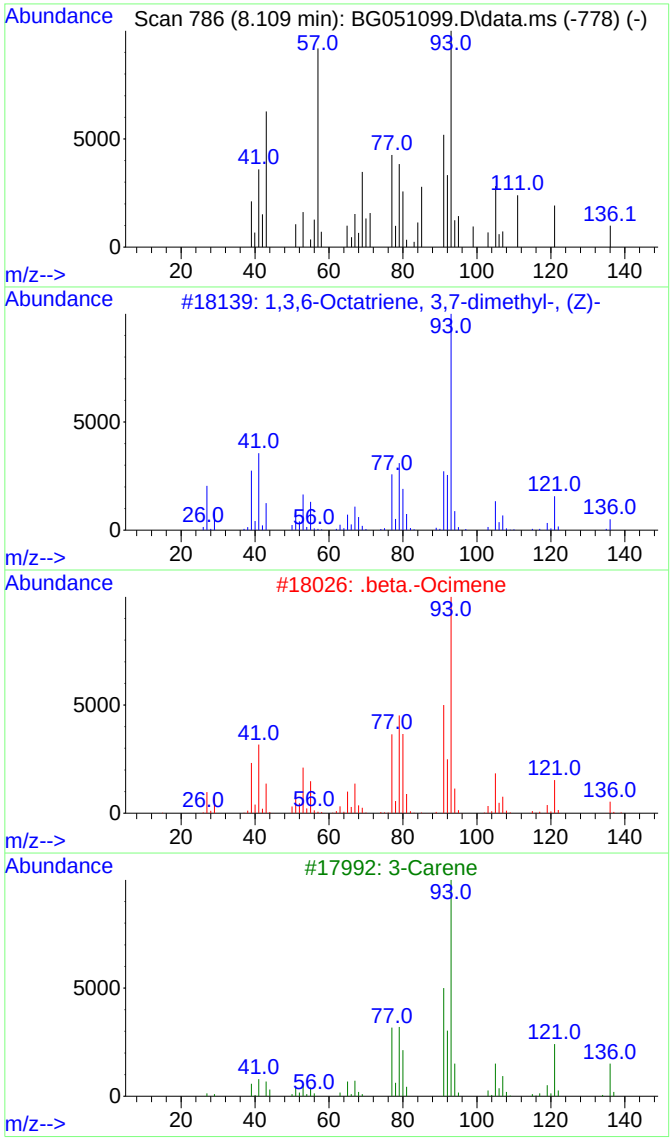
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

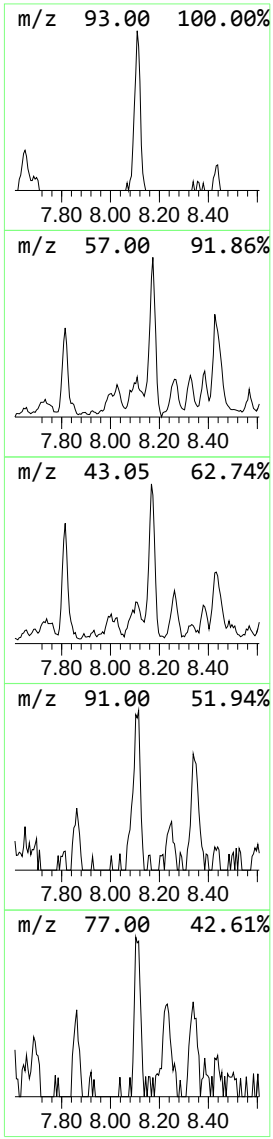
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,3,6-Octatriene, 3,7-dimet... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.109	4.87 ng	62811	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	92
2	.beta.-Ocimene	136	C10H16	013877-91-3	89
3	3-Carene	136	C10H16	013466-78-9	76
4	1,3,7-Octatriene, 3,7-dimethyl-	136	C10H16	000502-99-8	64
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

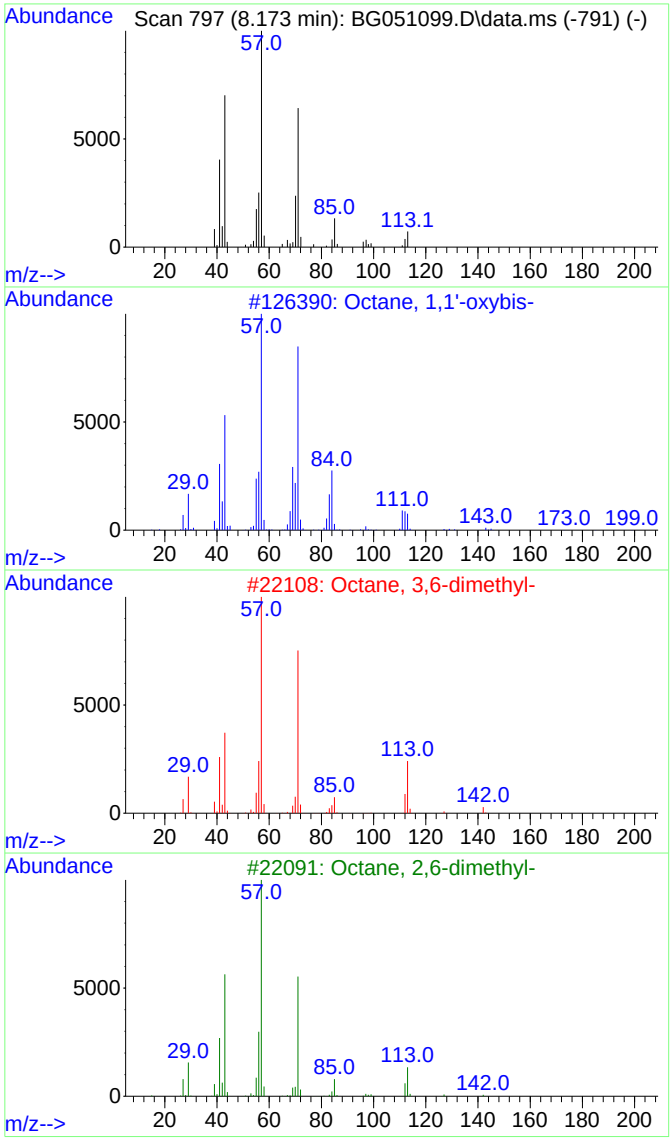
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

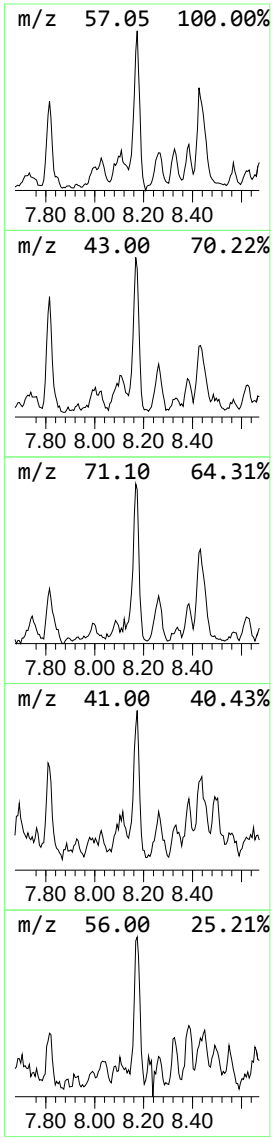
****

Peak Number 3 Octane, 1,1'-oxybis- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.173	7.75 ng	99954	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	64
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	59





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Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
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Instrument :
BNA_G
ClientSampleId :
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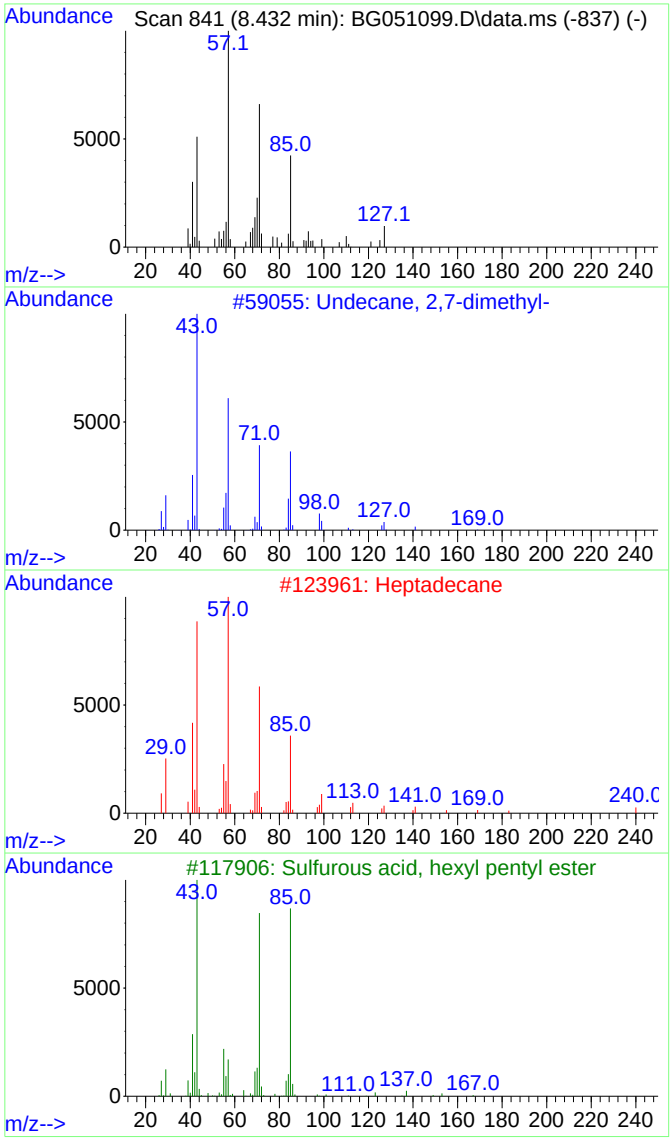
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

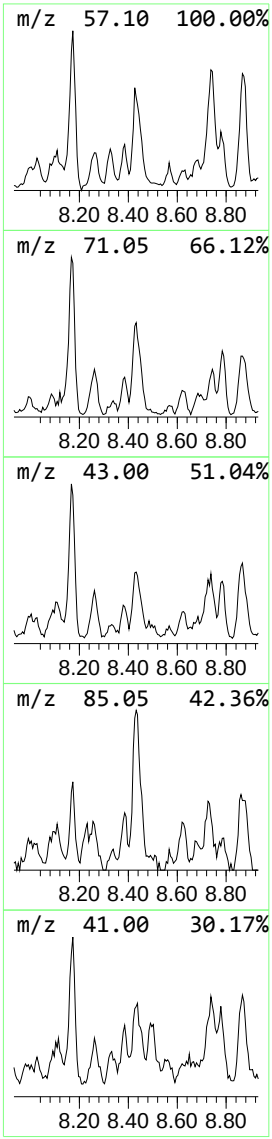
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Undecane, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.432	4.91 ng	63299	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	59
2	Heptadecane	240	C17H36	000629-78-7	53
3	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	53
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	50
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

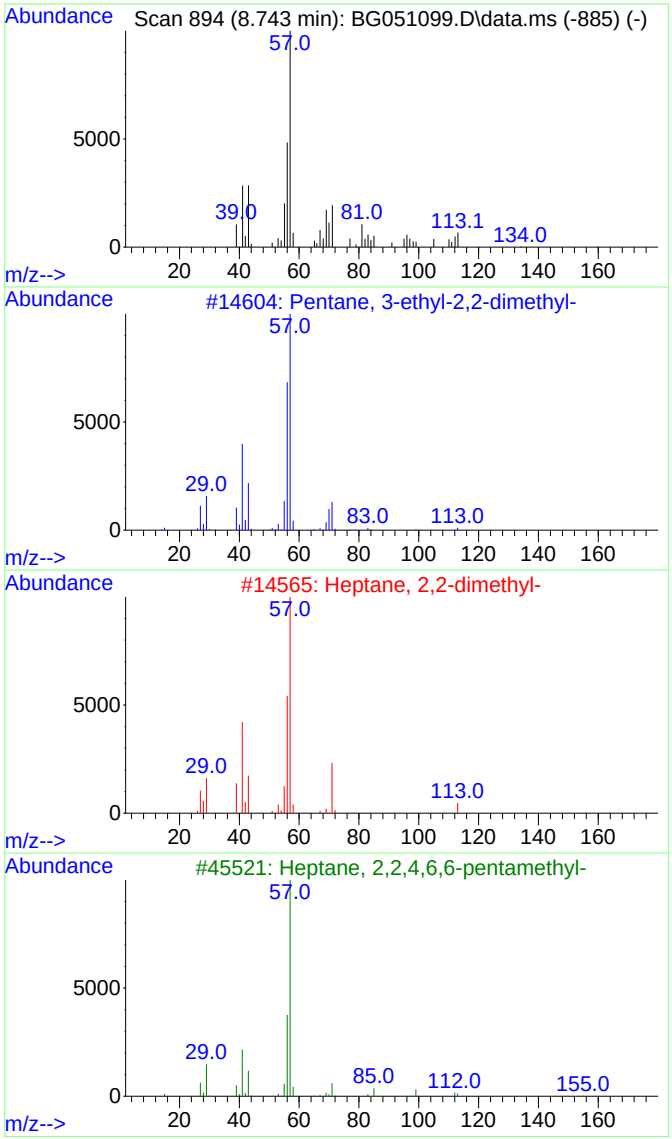
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

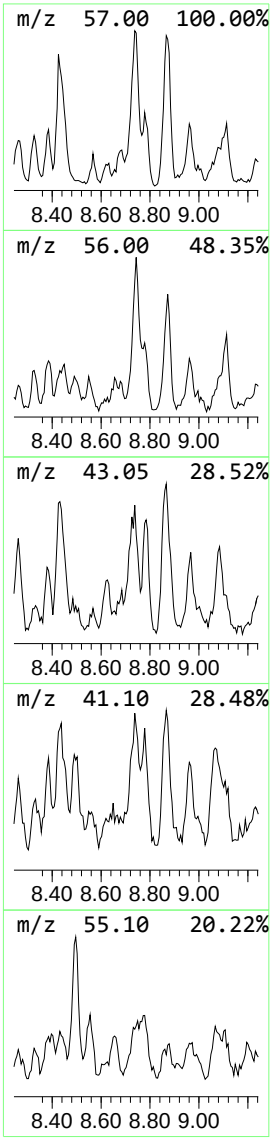
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentane, 3-ethyl-2,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.743	6.66 ng	85844	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
5	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	50





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Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UT-COMP-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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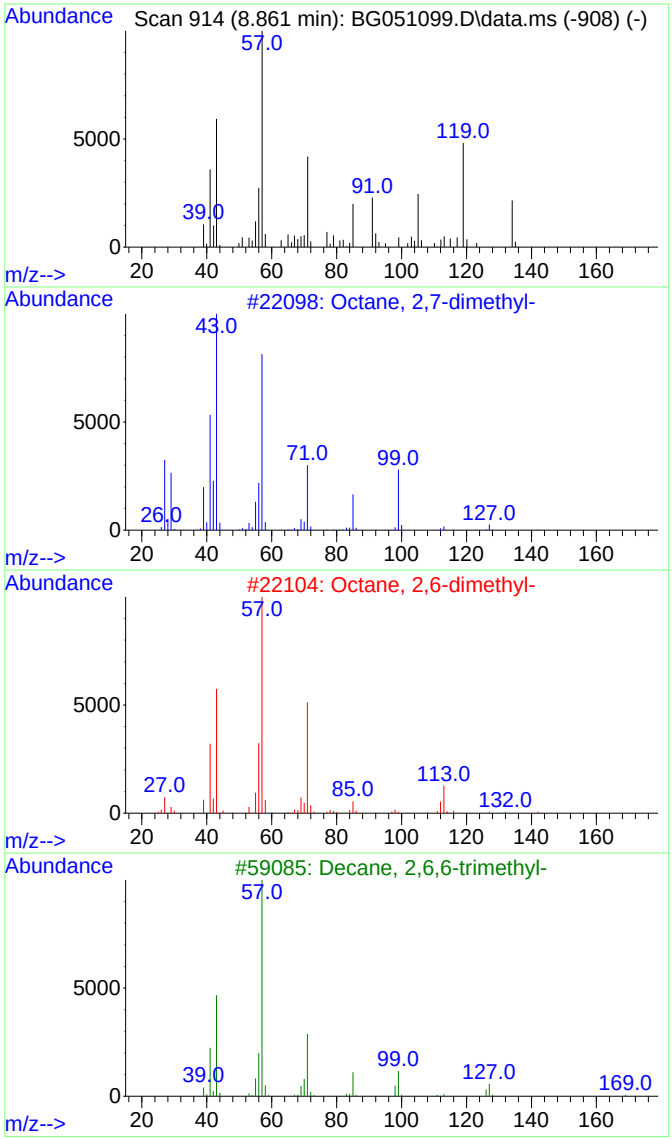
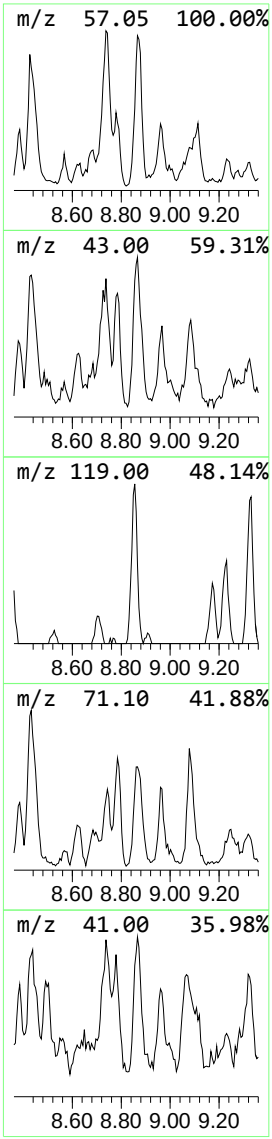
Peak Number 6 unknown8.861 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.861	9.13 ng	117710	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	38
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	35
3	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	35
4	Decane	142	C10H22	000124-18-5	35
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	35





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Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UT-COMP-01

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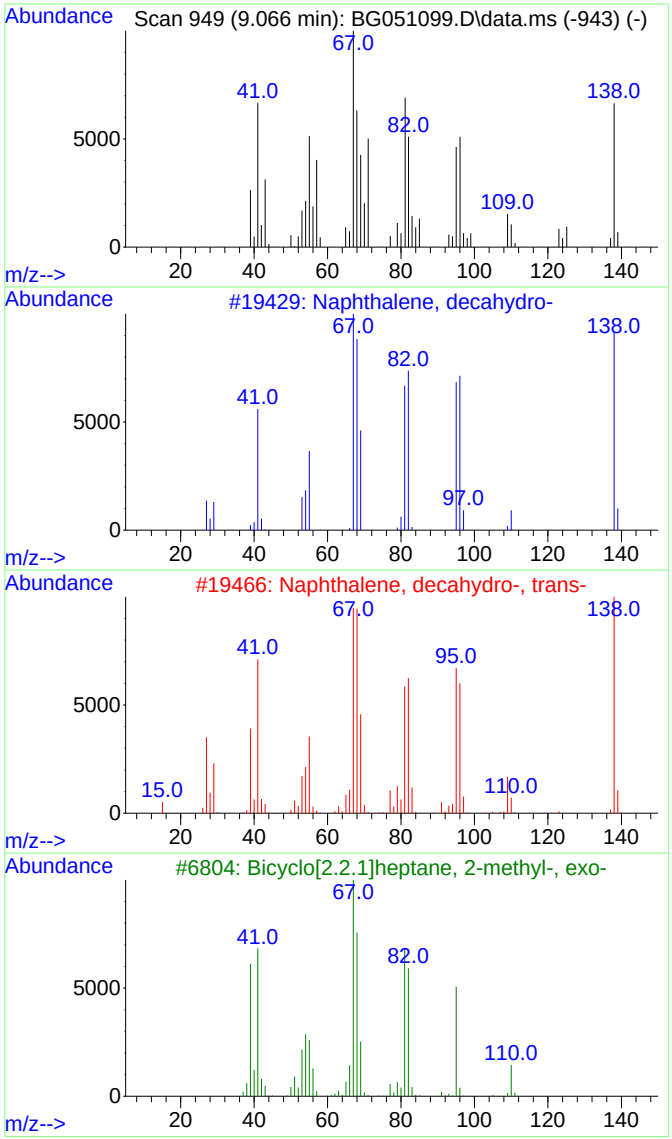
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

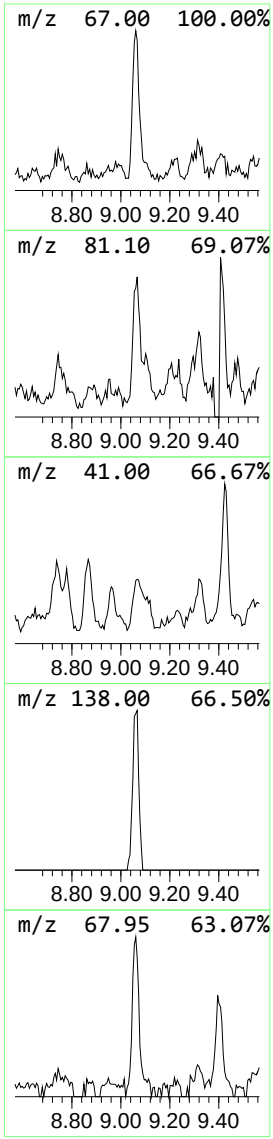
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.066	10.60 ng	136639	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	Bicyclo[2.2.1]heptane, 2-methyl-...	110	C8H14	000872-78-6	78
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
5	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	68





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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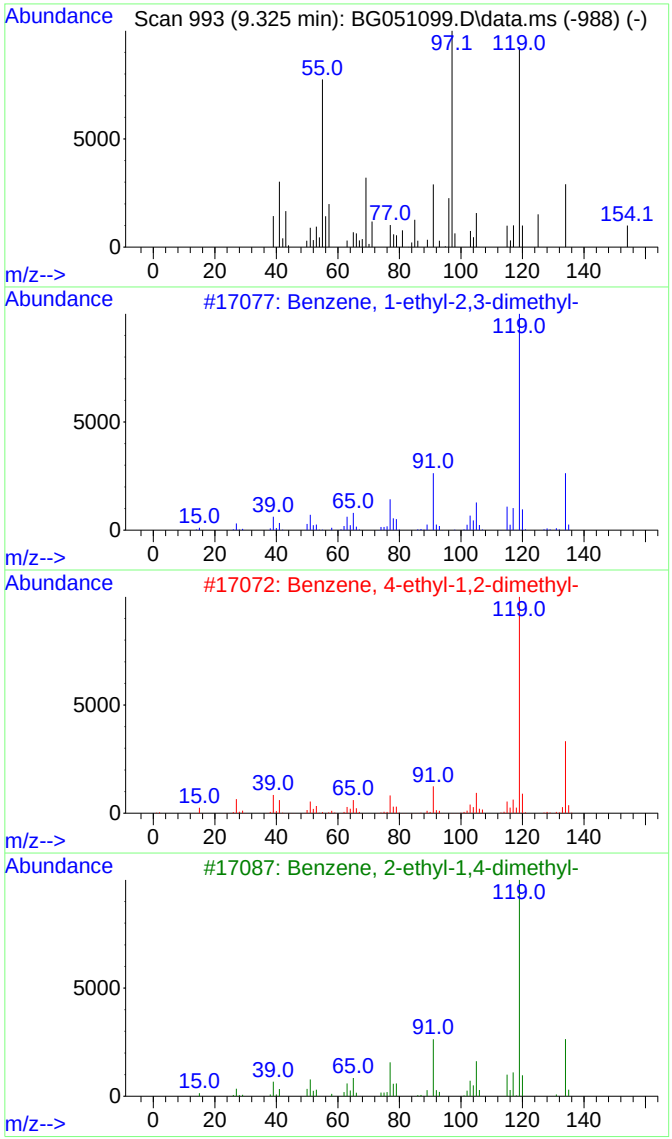
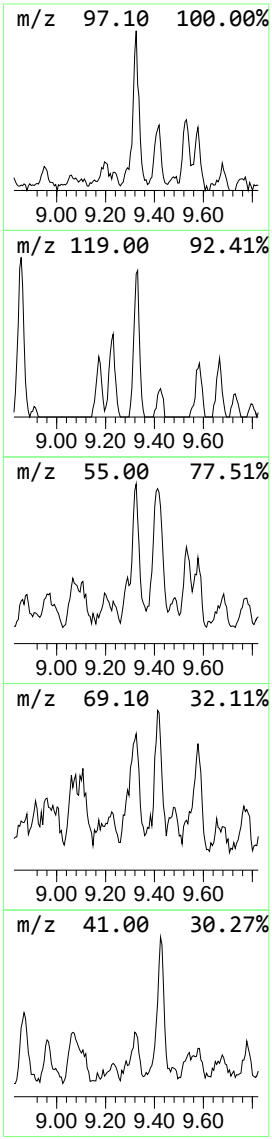
Peak Number 8 unknown9.325 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.325	5.99 ng	77275	1,4-Dichlorobenzene-d4	8.226

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	46
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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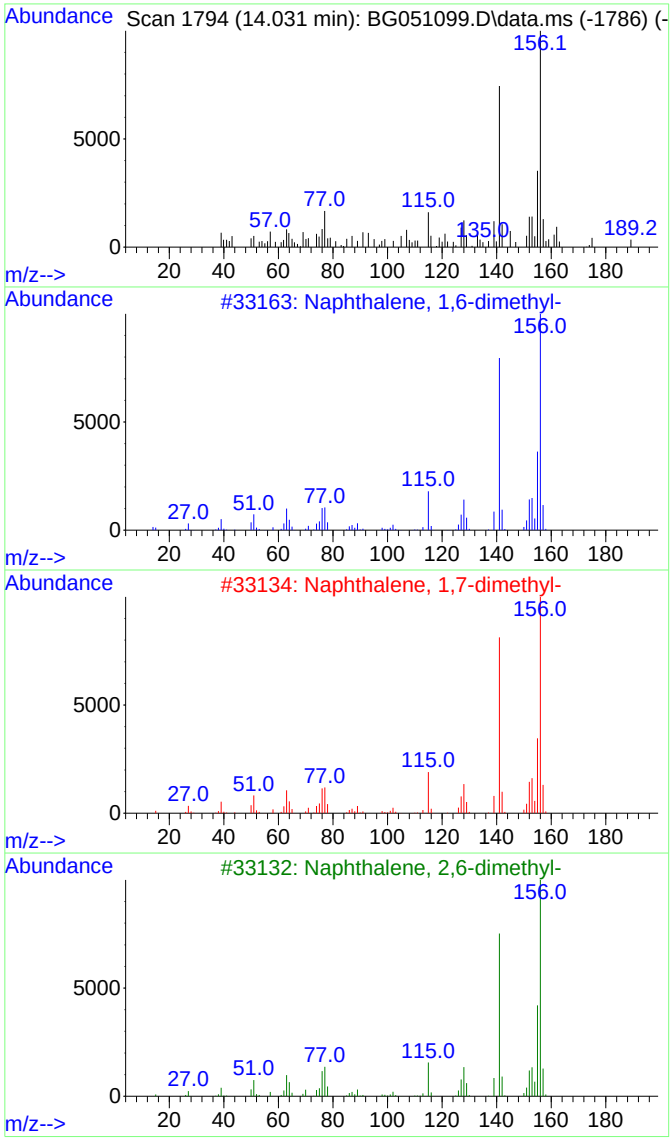
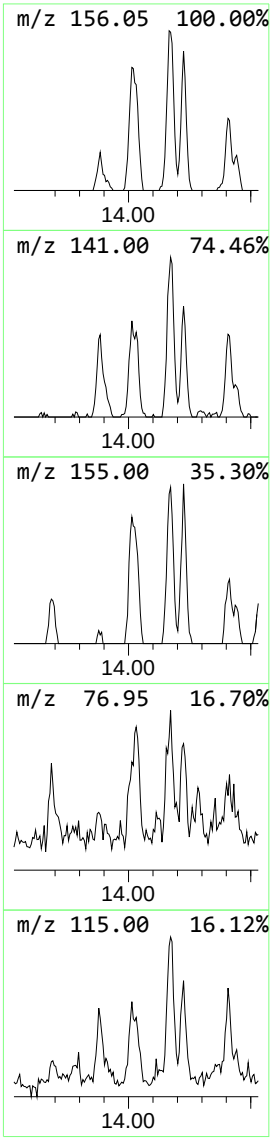
Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.031	5.31 ng	108751	Acenaphthene-d10	14.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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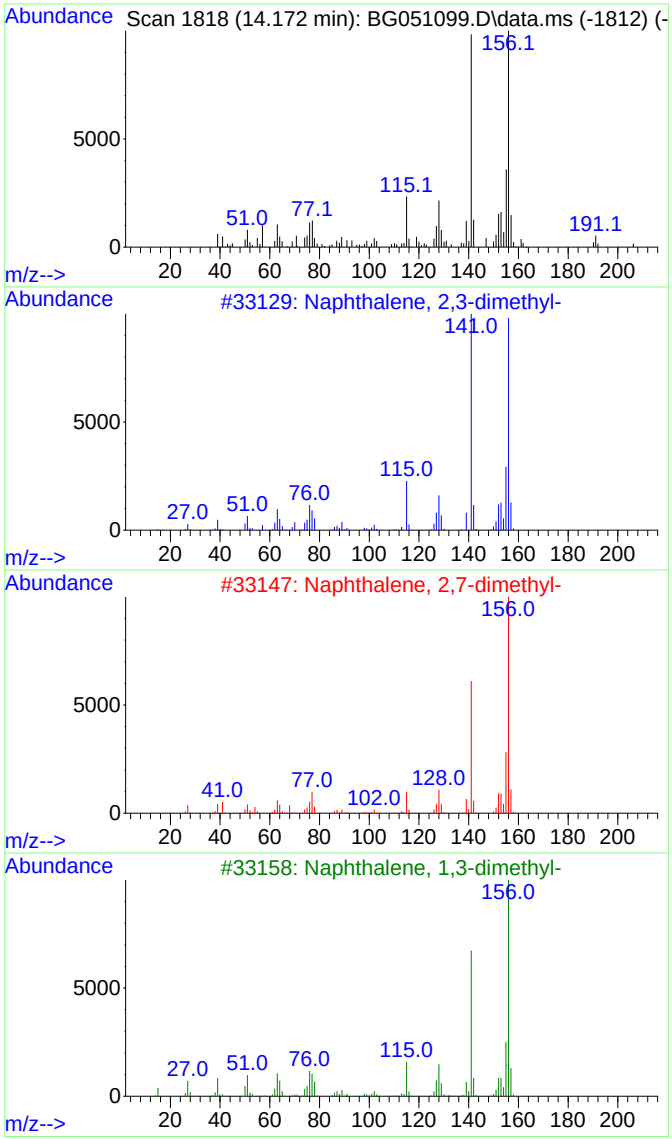
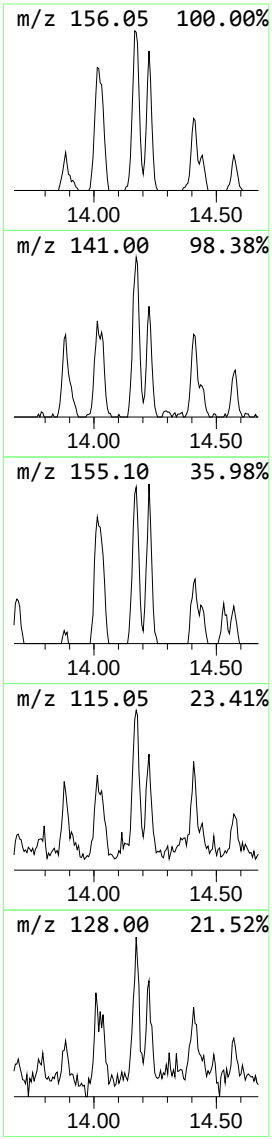
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.172	5.21 ng	106831	Acenaphthene-d10	14.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Sample : M4693-01
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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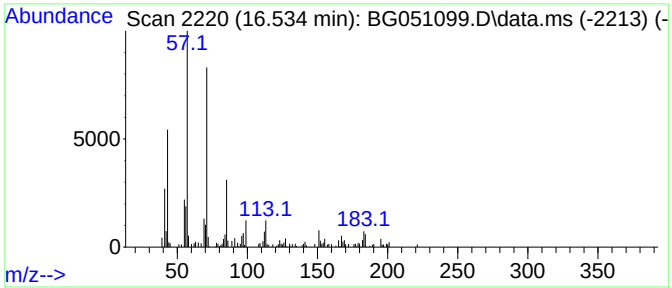
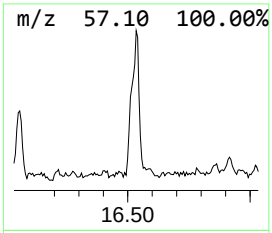
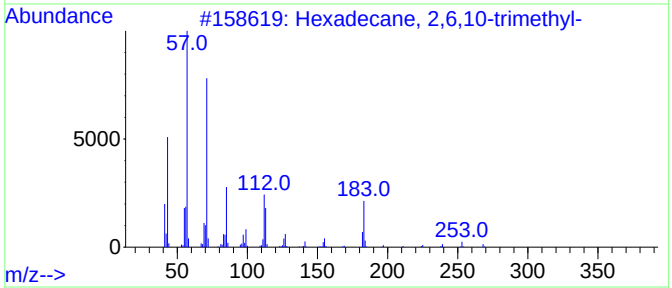
Peak Number 11 Hexadecane, 2,6,10-trimethyl- Concentration Rank 9

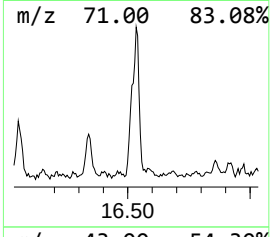
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.534	9.98 ng	225992	Phenanthrene-d10	17.603

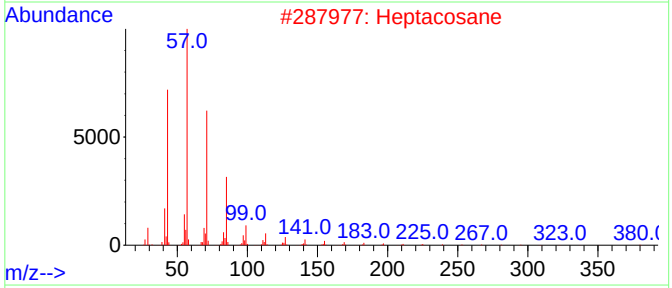
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	86
2	Heptacosane	380	C27H56	000593-49-7	80
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	80
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80

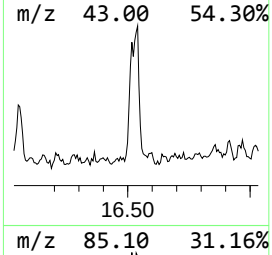


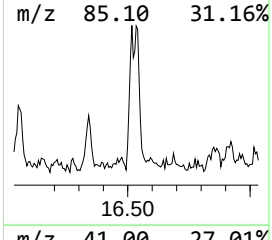


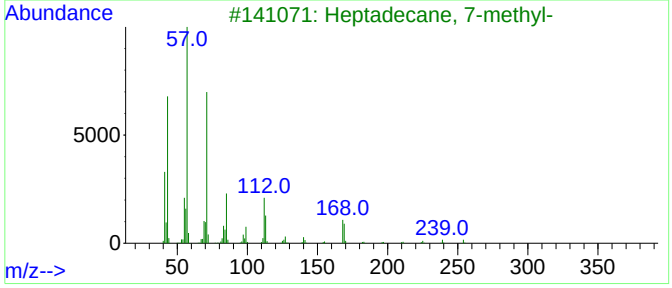


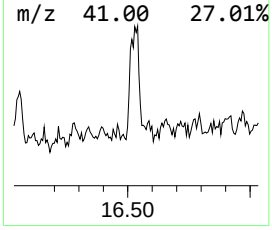












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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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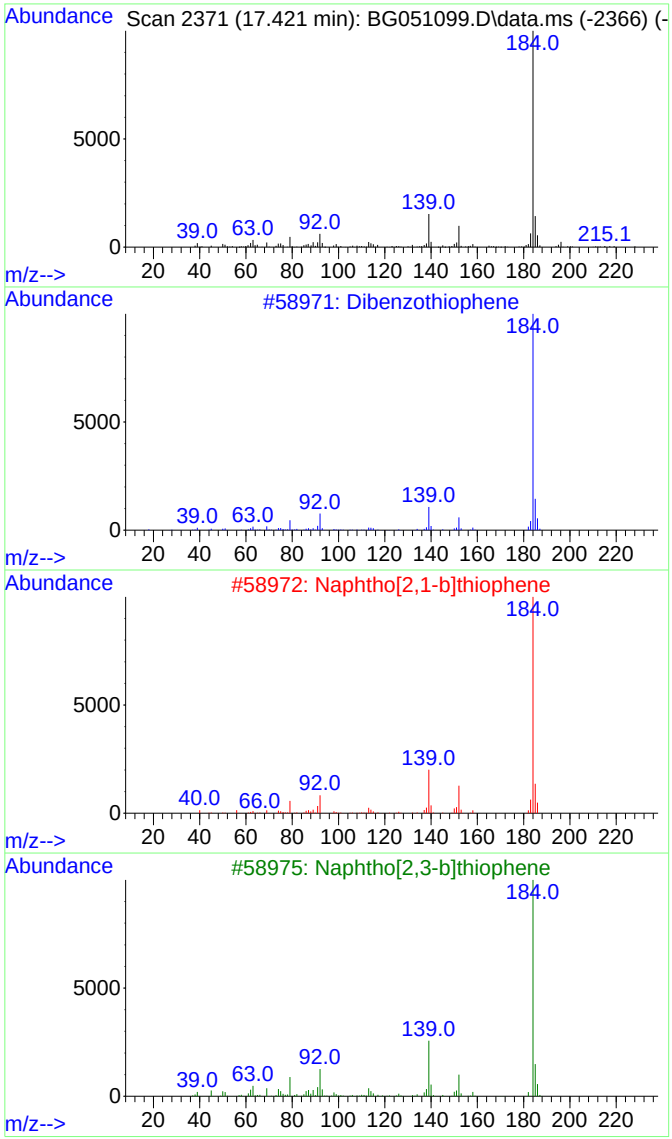
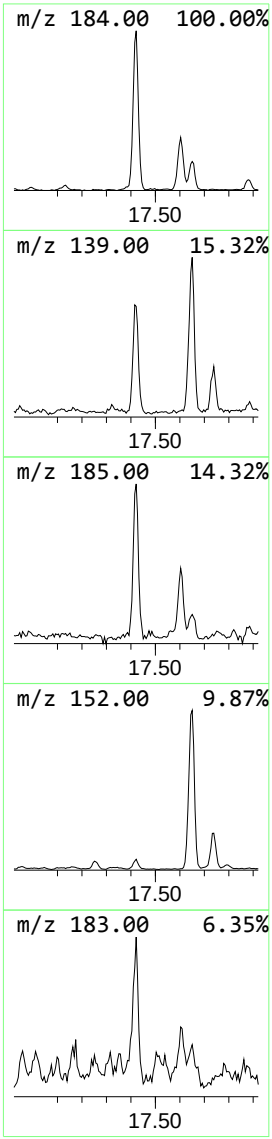
Peak Number 12 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.421	8.11 ng	183735	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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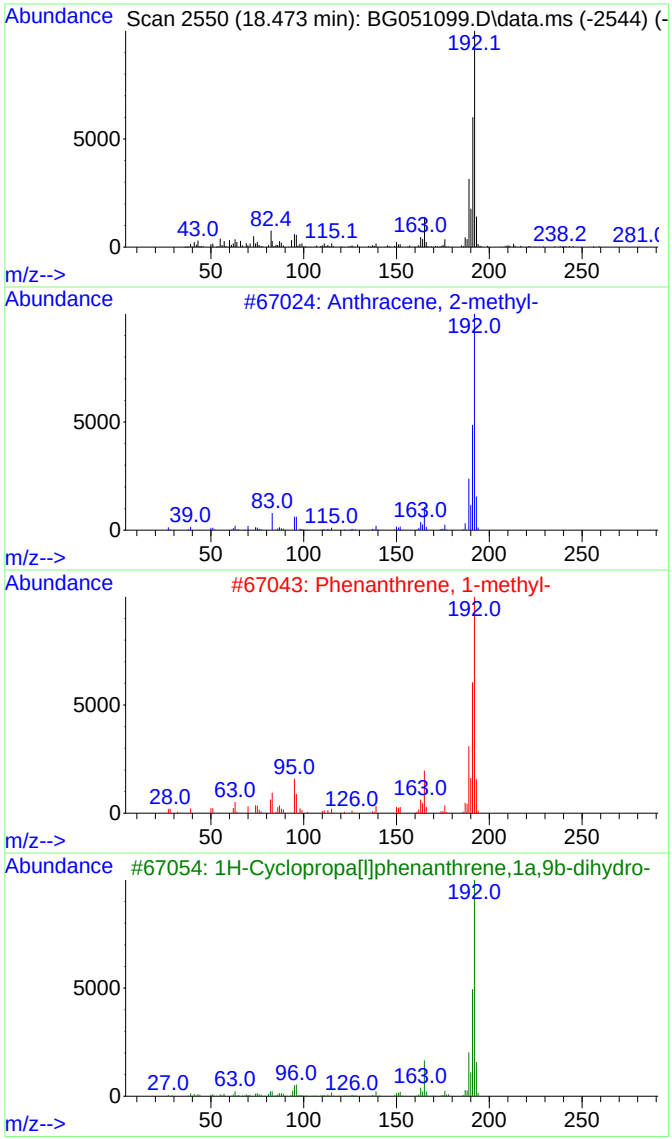
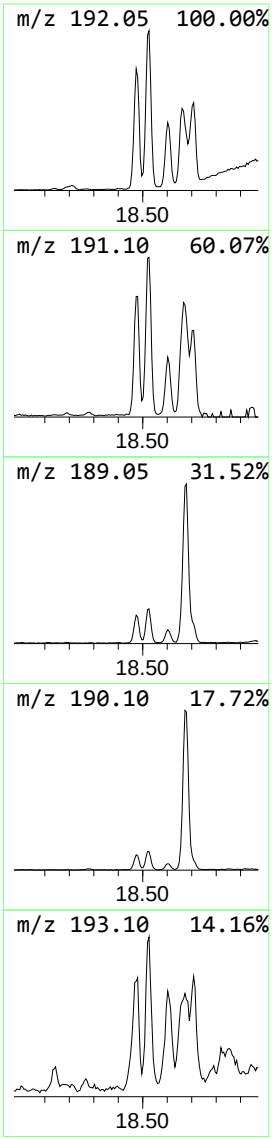
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.473	16.17 ng	366305	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : M4693-01
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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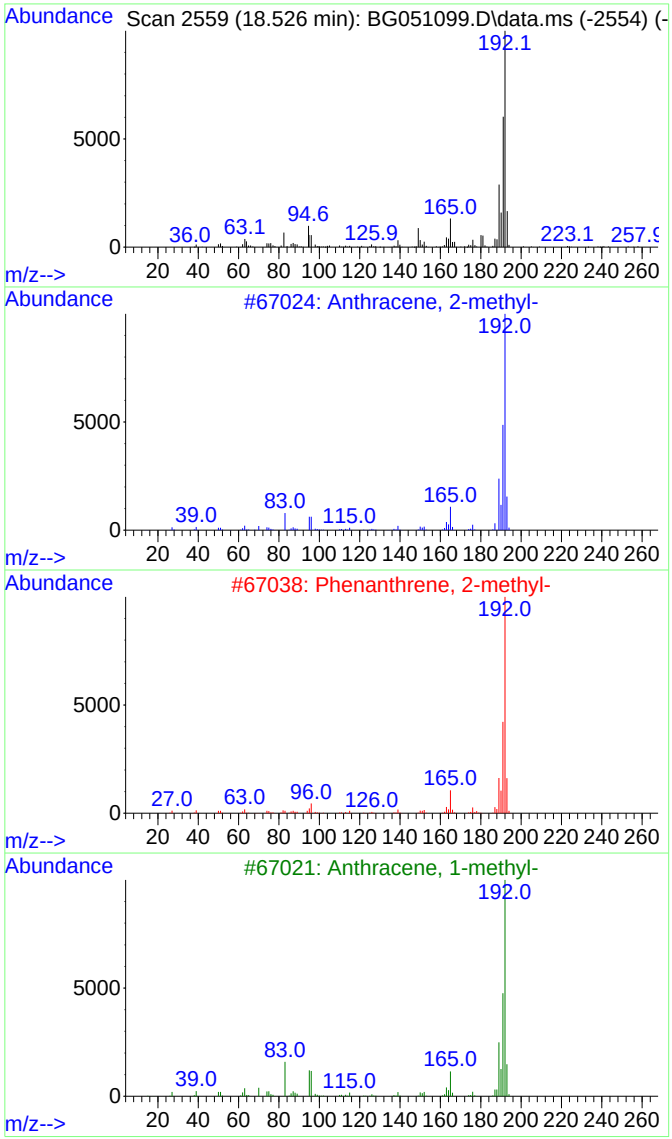
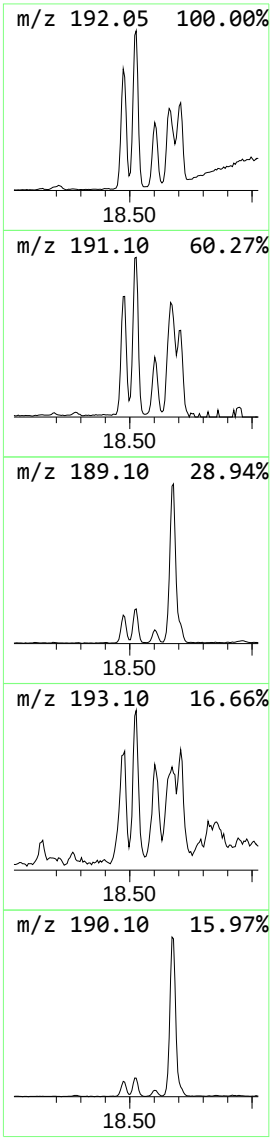
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.526	15.58 ng	353003	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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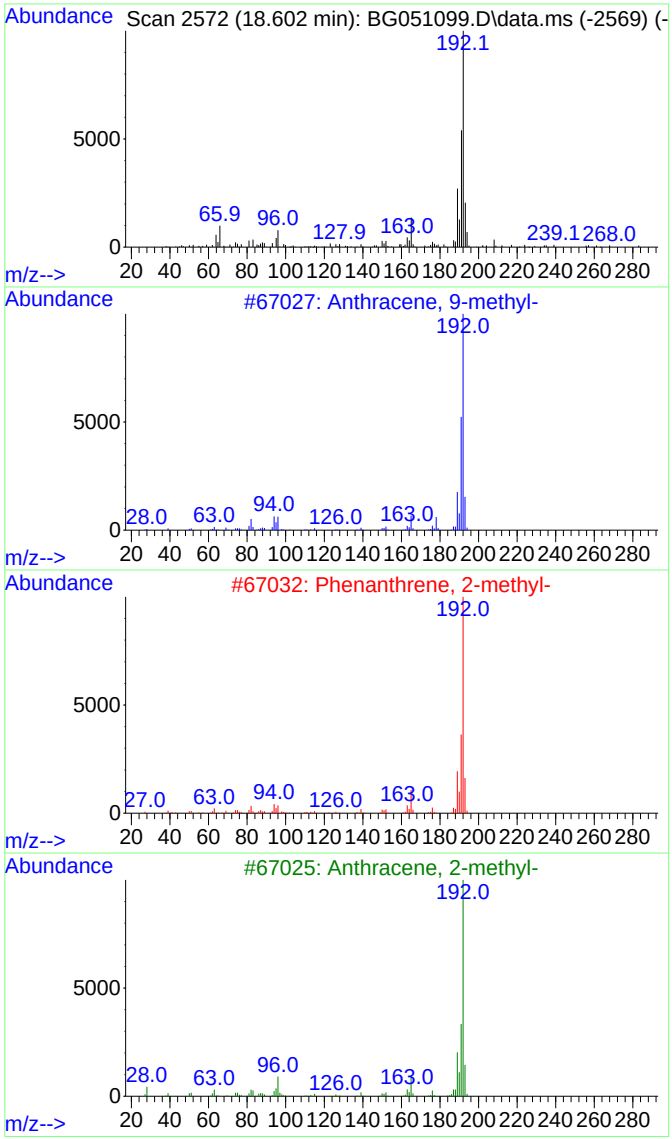
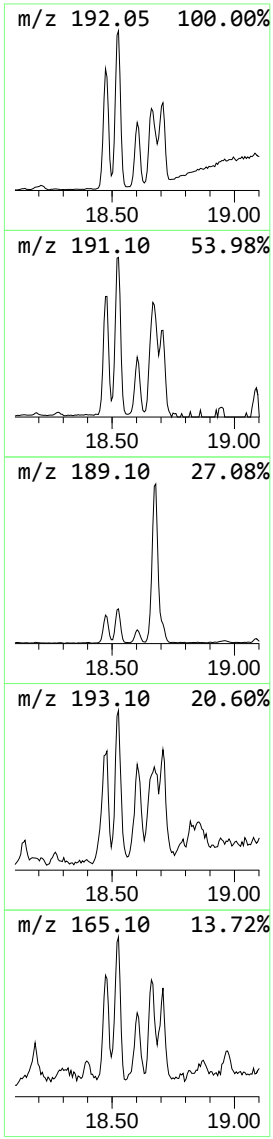
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.602	5.02 ng	113695	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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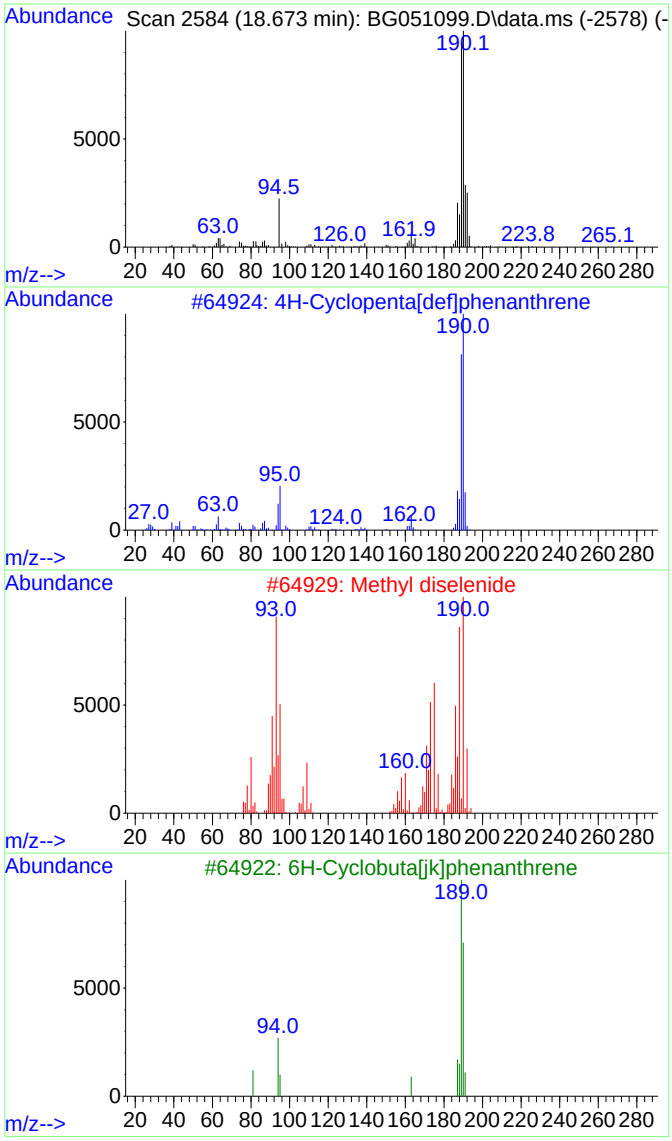
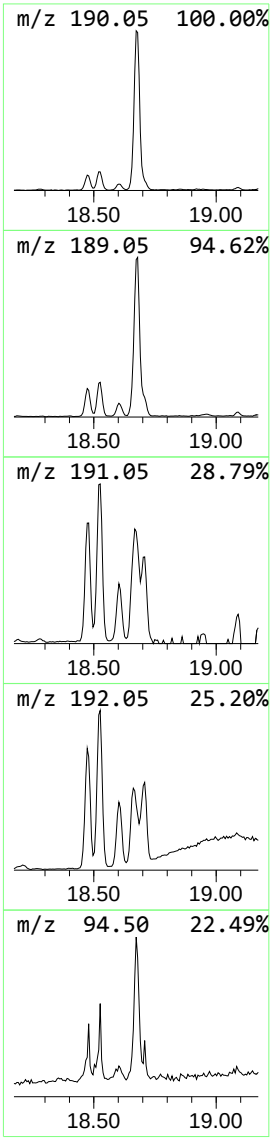
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.673	29.74 ng	673753	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





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Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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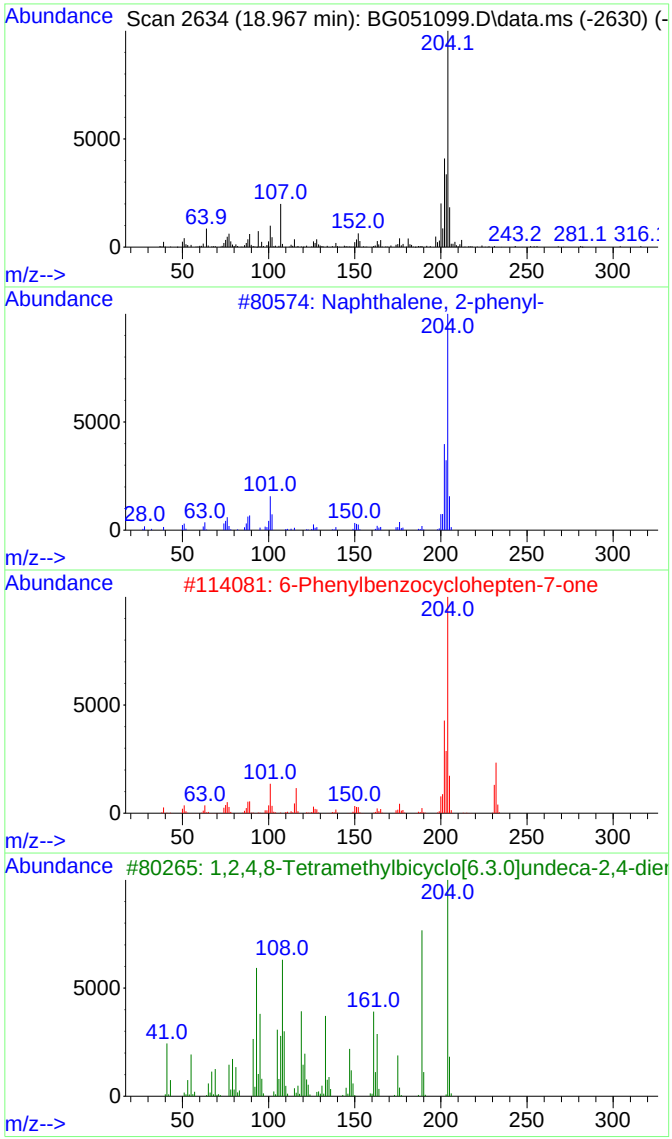
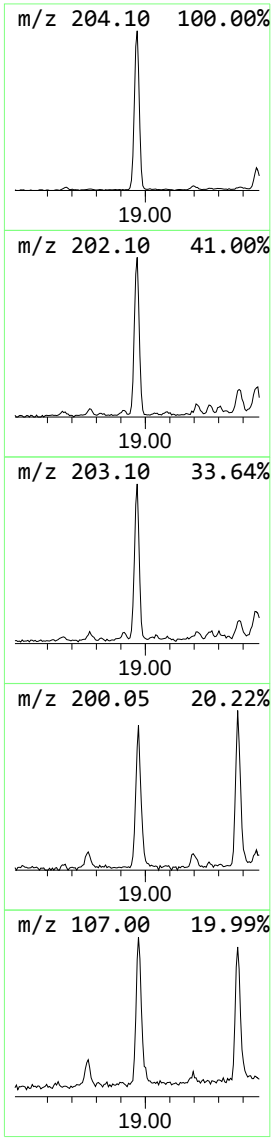
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.967	12.78 ng	289540	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	45





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Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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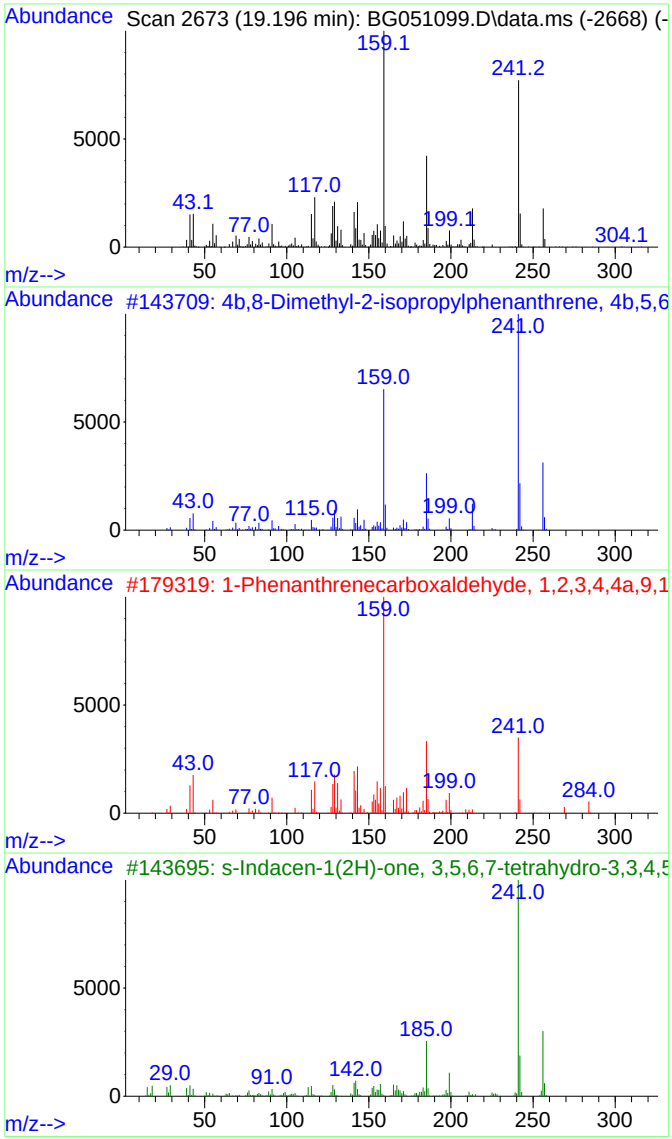
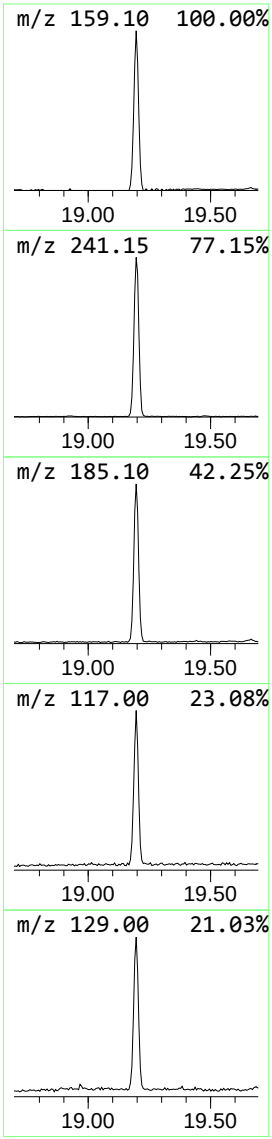
Peak Number 18 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.196	43.13 ng	976980	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	94
2	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	43
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	30





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Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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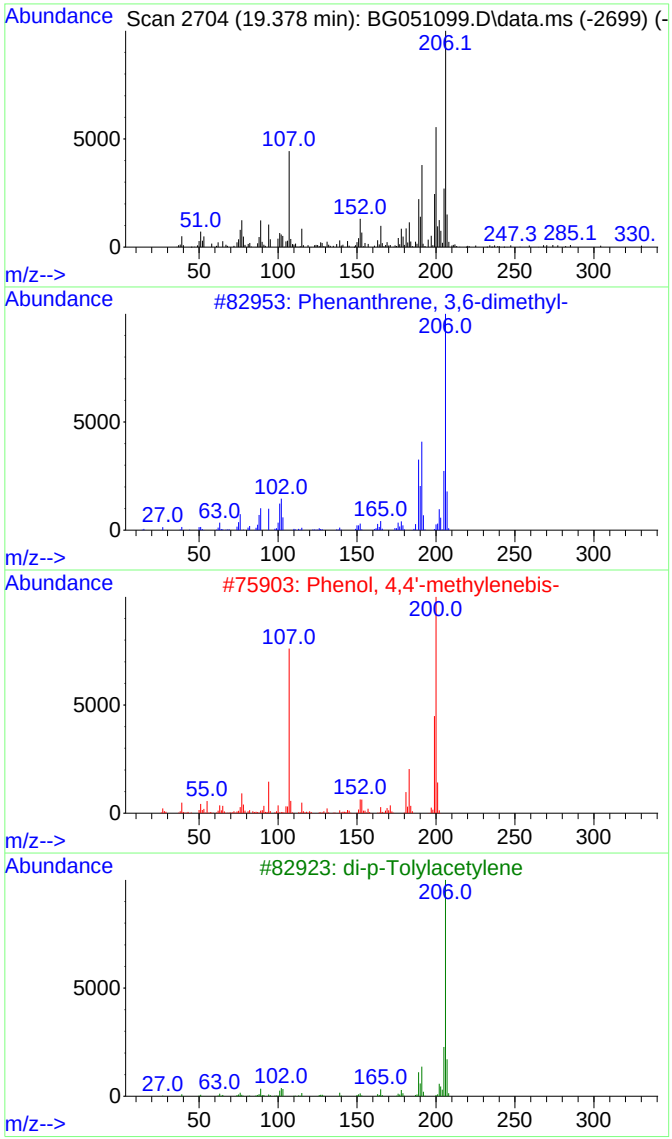
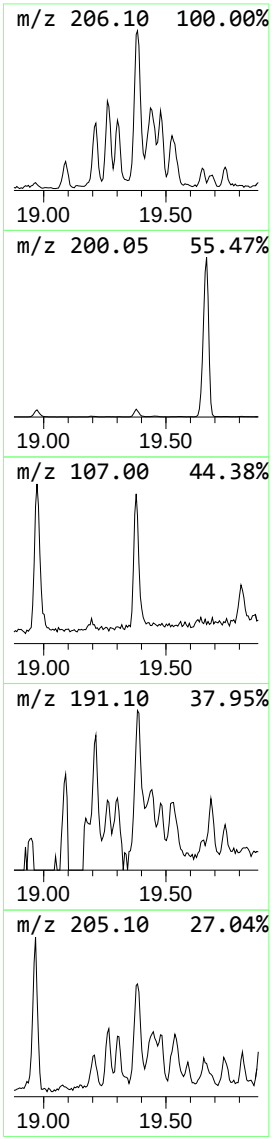
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.378	13.23 ng	299595	Phenanthrene-d10	17.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	Phenol, 4,4'-methylenebis-	200	C13H12O2	000620-92-8	80
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	78
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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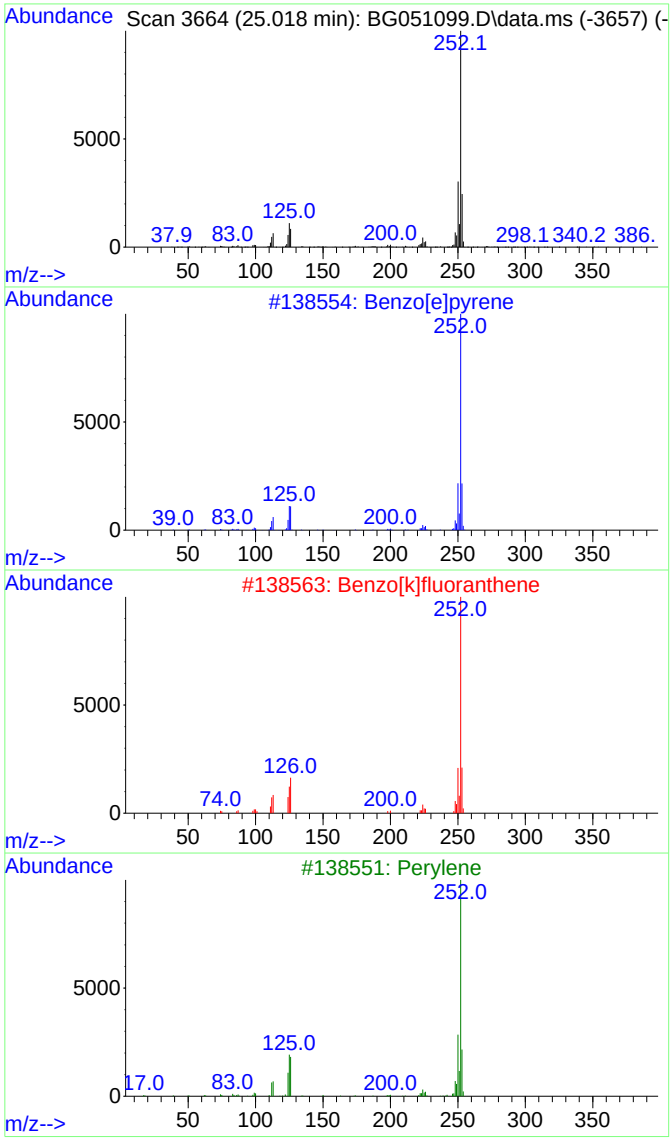
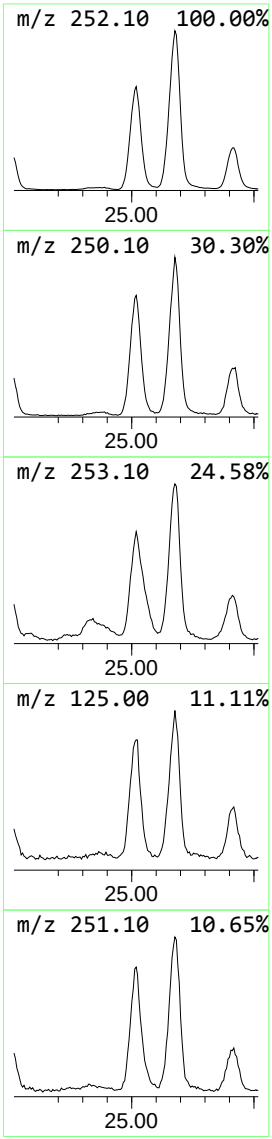
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.018	14.56 ng	1082910	Perylene-d12	25.330

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051099.D
Acq On : 17 Nov 2021 19:44
Operator : CG/JU
Sample : M4693-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UT-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	6.881	6.3	ng	81655	1	8.226	257882	20.0
1,3,6-Octatrien...	8.109	4.9	ng	62811	1	8.226	257882	20.0
Octane, 1,1'-ox...	8.173	7.8	ng	99954	1	8.226	257882	20.0
Undecane, 2,7-d...	8.432	4.9	ng	63299	1	8.226	257882	20.0
Pentane, 3-ethy...	8.743	6.7	ng	85844	1	8.226	257882	20.0
unknown8.861	8.861	9.1	ng	117710	1	8.226	257882	20.0
Naphthalene, de...	9.066	10.6	ng	136639	1	8.226	257882	20.0
unknown9.325	9.325	6.0	ng	77275	1	8.226	257882	20.0
Naphthalene, 1,...	14.031	5.3	ng	108751	3	14.854	409788	20.0
Naphthalene, 2,...	14.172	5.2	ng	106831	3	14.854	409788	20.0
Hexadecane, 2,6...	16.534	10.0	ng	225992	4	17.603	453042	20.0
Dibenzothiophene	17.421	8.1	ng	183735	4	17.603	453042	20.0
Anthracene, 2-m...	18.473	16.2	ng	366305	4	17.603	453042	20.0
Phenanthrene, 2...	18.526	15.6	ng	353003	4	17.603	453042	20.0
Anthracene, 9-m...	18.602	5.0	ng	113695	4	17.603	453042	20.0
4H-Cyclopenta[d...	18.673	29.7	ng	673753	4	17.603	453042	20.0
Naphthalene, 2-...	18.967	12.8	ng	289540	4	17.603	453042	20.0
4b,8-Dimethyl-2...	19.196	43.1	ng	976980	4	17.603	453042	20.0
Phenanthrene, 3...	19.378	13.2	ng	299595	4	17.603	453042	20.0
Benzo[e]pyrene	25.018	14.6	ng	1082910	6	25.330	1487870	20.0