LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

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-BG041421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG048826.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.612	380	387	396	rBV	334855	520288	19.10%	2.107%
2	7.222	654	661	675	rBV	337084	584729	21.47%	2.368%
3	8.062	797	804	811	rBV	87500	148406	5.45%	0.601%
4	8.438	862	868	876	rVB	131618	224639	8.25%	0.910%
5	8.603	890	896	902	rVB2	20800	34555	1.27%	0.140%
6	9.231	996	1003	1014	rVB	225391	389882	14.32%	1.579%
7	9.554	1051	1058	1063	rVB4	27355	55184	2.03%	0.223%
8	10.277	1175	1181	1185	rBV4	22988	48501	1.78%	0.196%
9	10.888	1275	1285	1289	rBV	104093	204756	7.52%	0.829%
10	10.941	1289	1294	1301	rVB	374655	646925	23.75%	2.620%
11	11.059	1306	1314	1320	rVB3	27610	52273	1.92%	0.212%
12	12.439	1544	1549	1557	rVB3	19402	31281	1.15%	0.127%
13	12.551	1560	1568	1574	rBV	888200	1458627	53.56%	5.907%
14	12.663	1579	1587	1592	rVV2	70014	121173	4.45%	0.491%
15	12.768	1592	1605	1613	rVB	414026	683503	25.10%	2.768%
16	13.338	1695	1702	1710	rVB	495938	756520	27.78%	3.064%
17	13.550	1731	1738	1743	rBV	126518	188035	6.90%	0.762%
18	13.749	1766	1772	1784	rVB	40698	83385	3.06%	0.338%
19	13.885	1787	1795	1804	rVV4	73646	204021	7.49%	0.826%
20	14.037	1812	1821	1826	rBV2	116170	226115	8.30%	0.916%
21	14.090	1826	1830	1837	rVB2	78490	121365	4.46%	0.492%
22	14.278	1858	1862	1865	rBV	36312	47640	1.75%	0.193%
23	14.443	1884	1890	1896	rVB6	39243	64073	2.35%	0.259%
24	14.690	1927	1932	1934	rBV2	61840	90531	3.32%	0.367%
25	14.719	1934	1937	1942	rVV	169520	252109	9.26%	1.021%
26	14.784	1942	1948	1955	rVB	557339	891929	32.75%	3.612%
27	14.854	1955	1960	1965	rBV	40656	59865	2.20%	0.242%
28	14.919	1965	1971	1980	rBV4	15772	39088	1.44%	0.158%
29	15.030	1985	1990	1994	rVB3	21887	38240	1.40%	0.155%
30	15.118	1999	2005	2012	rVV	539088	838290	30.78%	3.395%
31	15.195	2012	2018	2023	rVB2	30579	43854	1.61%	0.178%
32	15.336	2033	2042	2047	rBV4	32693	64816	2.38%	0.262%
33	15.389	2047	2051	2058	rVV4	27027	50270	1.85%	0.204%
34	15.500	2061	2070	2074	rBV6	20720	51199	1.88%	0.207%
35	15.771	2109	2116	2125	rVB	692298	1076893	39.54%	4.361%
36	15.865	2125	2132	2134	rBV3	30781	50055	1.84%	0.203%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

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-BG041421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.894	2134	2137	2139	rVV3	41390	62348	2.29%	0.252%
38	15.935	2139	2144	2148	rVV2	82224	142541	5.23%	0.577%
39	15.982	2148	2152	2155	rVV5	22906	40212	1.48%	0.163%
40	16.017	2155	2158	2161	rVV3	33767	51818	1.90%	0.210%
41	16.064	2161	2166	2173	rVB	124590	198662	7.29%	0.805%
42	16.211	2182	2191	2199	rBV	517050	898265	32.98%	3.638%
43	16.276	2199	2202	2204	rVV4	27916	37396	1.37%	0.151%
44	16.564	2248	2251	2257	rVB5	27907	43466	1.60%	0.176%
45	16.775	2280	2287	2292	rVV2	91236	177443	6.52%	0.719%
46	16.828	2292	2296	2301	rVB	27337	44314	1.63%	0.179%
47	16.928	2307	2313	2318	rVB4	33760	58338	2.14%	0.236%
48	17.022	2318	2329	2331	rBV4	50040	128480	4.72%	0.520%
49	17.046	2331	2333	2336	rVB3	30460	31877	1.17%	0.129%
50	17.198	2354	2359	2366	rBV2	41455	91831	3.37%	0.372%
51	17.298	2366	2376	2383	rVB	148328	278172	10.21%	1.127%
52	17.480	2401	2407	2410	rBV	213414	348739	12.80%	1.412%
53	17.527	2410	2415	2421	rVV	1791372	2723495	100.00%	11.030%
54	17.580	2421	2424	2425	rVV2	34462	38745	1.42%	0.157%
55	17.616	2425	2430	2434	rVV	207968	311569	11.44%	1.262%
56	17.668	2434	2439	2444	rVV2	55008	96809	3.55%	0.392%
57	17.845	2464	2469	2472	rBV2	52841	83415	3.06%	0.338%
58	17.880	2472	2475	2482	rVB	133459	202400	7.43%	0.820%
59	17.992	2488	2494	2499	rBV6	33642	65248	2.40%	0.264%
60	18.356	2546	2556	2560	rBV	175803	307515	11.29%	1.245%
61	18.403	2560	2564	2572	rVB	212256	335876	12.33%	1.360%
62	18.485	2572	2578	2584	rBV2	76530	134656	4.94%	0.545%
63	18.556	2584	2590	2594	rVV2	272589	472927	17.36%	1.915%
64	18.591	2594	2596	2601	rVV	72482	78316	2.88%	0.317%
65	18.855	2635	2641	2646	rBV	112952	169834	6.24%	0.688%
66	19.096	2679	2682	2685	rBV5	25982	33091	1.22%	0.134%
67	19.272	2707	2712	2717	rBV5	36432	71646	2.63%	0.290%
68	19.337	2721	2723	2727	rVB5	24690	29527	1.08%	0.120%
69	19.543	2752	2758	2763	rBV	1024678	1410171	51.78%	5.711%
70	19.584	2763	2765	2770	rVV3	54862	63060	2.32%	0.255%
71	19.631	2770	2773	2777	rVB3	24398	32816	1.20%	0.133%
72	19.784	2794	2799	2806	rVB2	36256	75419	2.77%	0.305%
73	19.866	2808	2813	2815	rVV2	179860	278777	10.24%	1.129%
74	19.901	2815	2819	2827	rVV	613965	901948	33.12%	3.653%
75	19.966	2827	2830	2836	rVB3	42210	60354	2.22%	0.244%
76	20.089	2844	2851	2856	rBV	844792	1126032	41.35%	4.560%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

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-BG041421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.136	2856	2859	2864	rVB	31651	46992	1.73%	0.190%
78	20.218	2867	2873	2874	rBV2	37901	61324	2.25%	0.248%
79	20.277	2879	2883	2886	rBV	22680	35103	1.29%	0.142%
80	20.348	2890	2895	2896	rVV4	45117	61057	2.24%	0.247%
81	20.389	2898	2902	2906	rVB	135911	194064	7.13%	0.786%
82	20.489	2913	2919	2923	rBV	140214	198791	7.30%	0.805%
83	20.547	2923	2929	2932	rVV4	44873	92389	3.39%	0.374%
84	20.982	3000	3003	3007	rBV6	15714	27904	1.02%	0.113%
85	21.111	3020	3025	3030	rBV9	17647	32267	1.18%	0.131%
86	21.346	3061	3065	3068	rBV3	31974	43393	1.59%	0.176%
87	21.393	3068	3073	3078	rVV3	77827	119771	4.40%	0.485%
88	21.440	3078	3081	3085	rVB3	22144	37692	1.38%	0.153%
89	21.769	3128	3137	3143	rBV2	260140	666135	24.46%	2.698%
90	21.822	3143	3146	3152	rVB2	105729	169458	6.22%	0.686%
91	21.975	3167	3172	3179	rVB6	26240	54474	2.00%	0.221%
92	24.037	3514	3523	3532	rBV3	38505	137840	5.06%	0.558%
93	24.114	3532	3536	3545	rVB6	22075	61914	2.27%	0.251%
94	24.789	3648	3651	3660	rVB3	14963	37842	1.39%	0.153%
95	24.942	3670	3677	3682	rBV3	28901	69207	2.54%	0.280%
96	25.107	3695	3705	3713	rBV2	132354	364103	13.37%	1.475%

Sum of corrected areas: 24692283

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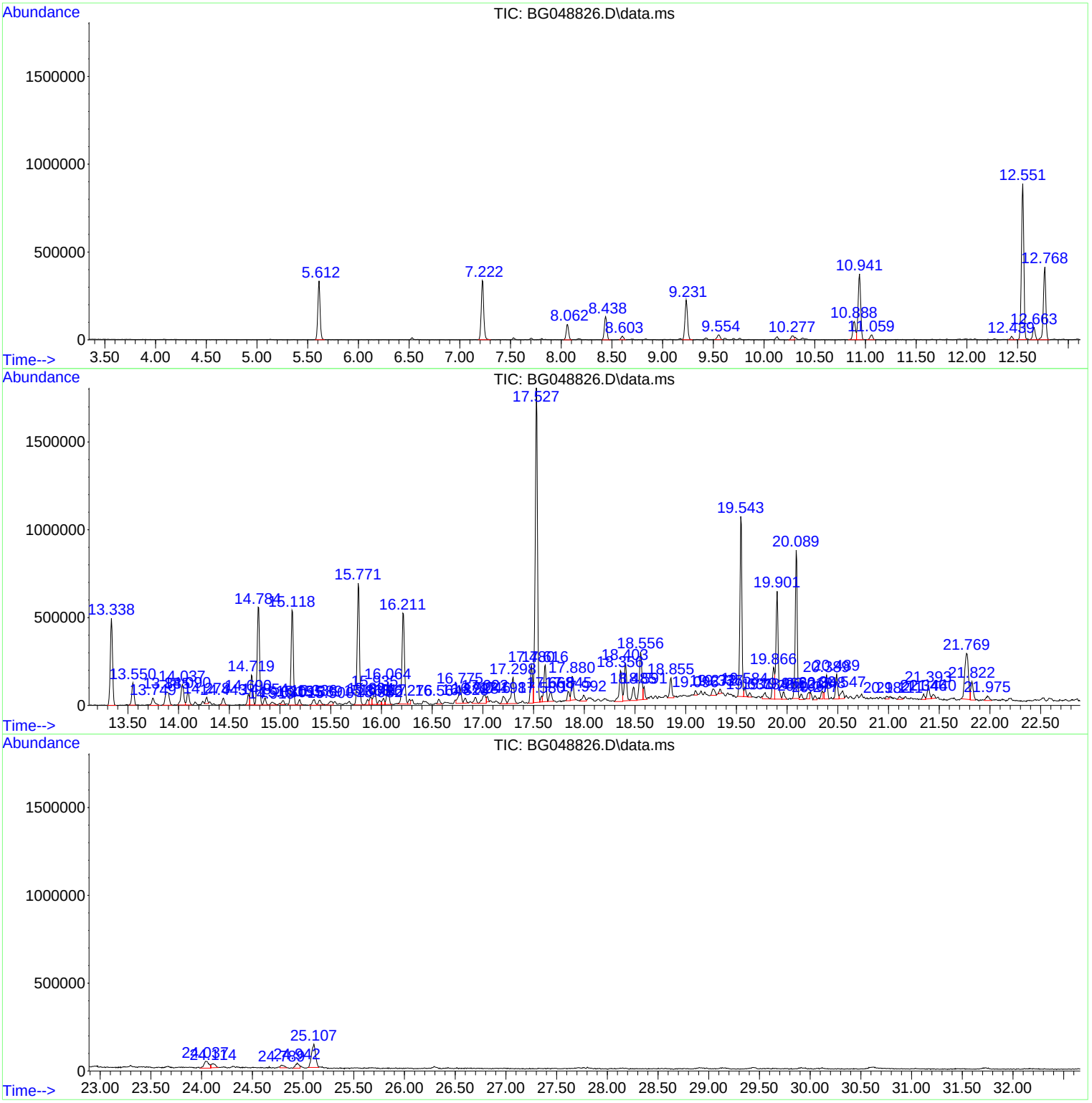
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
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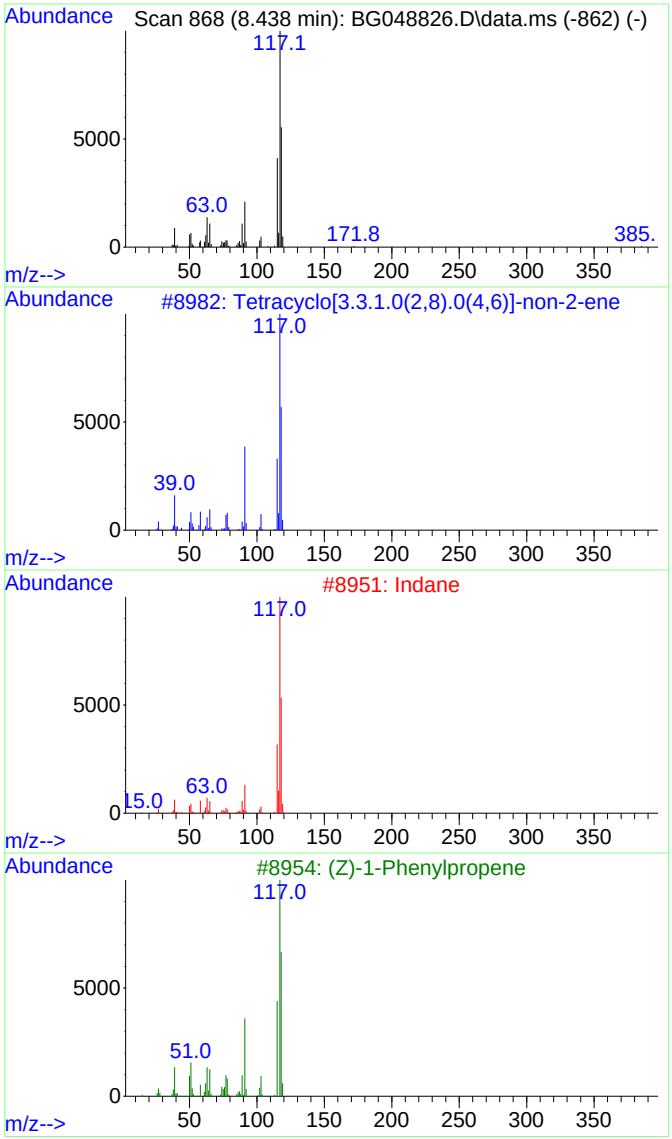
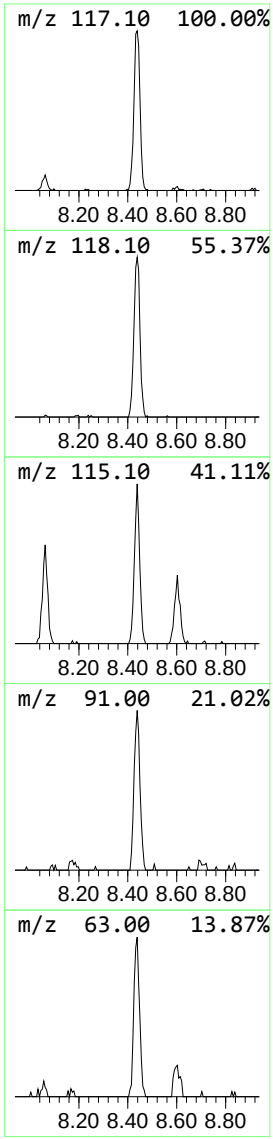
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.438	30.27 ng	224639	1,4-Dichlorobenzene-d4	8.056

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	76
2	Indane	118	C9H10	000496-11-7	76
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	68
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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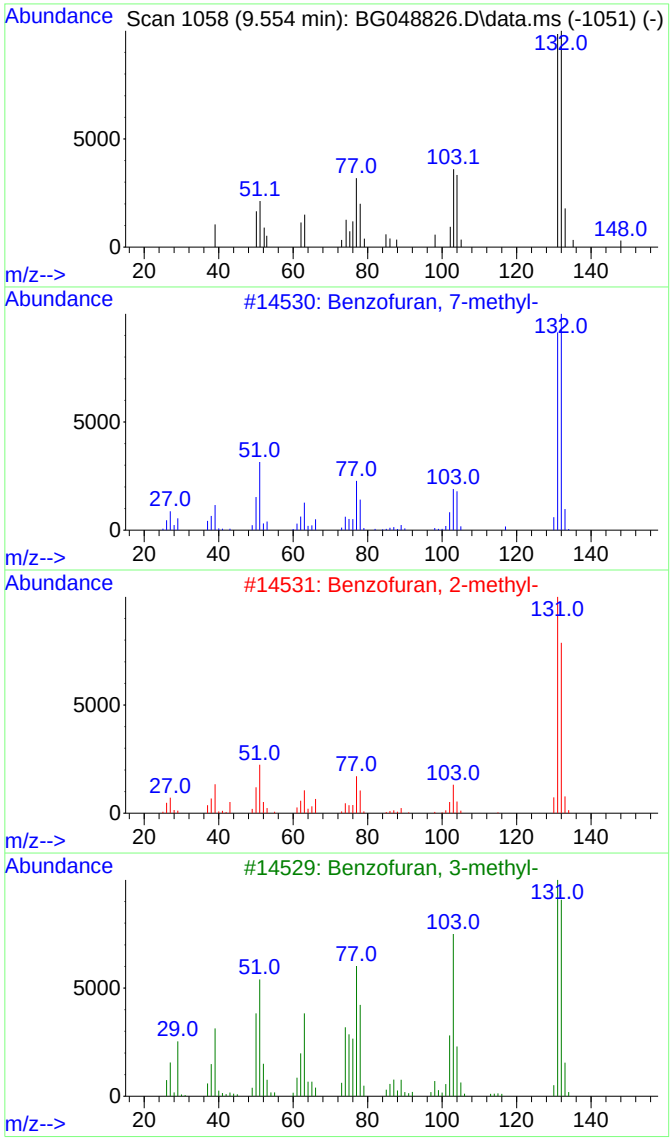
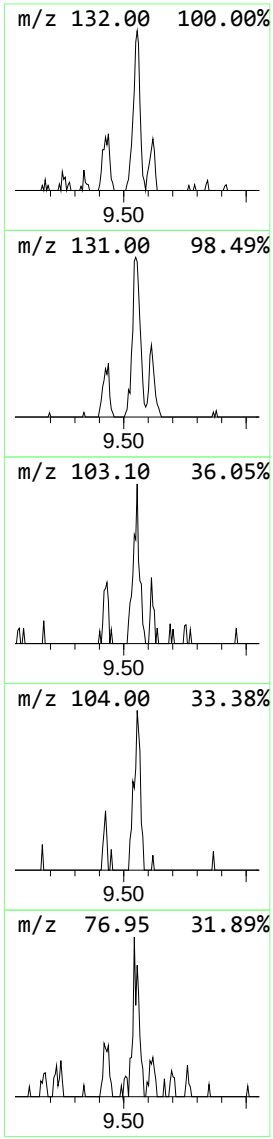
****

Peak Number 2 Benzofuran, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.554	5.39 ng	55184	Naphthalene-d8	10.888

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 3-methyl-	132	C9H8O	021535-97-7	80
4	1H-Indazole, 3-methyl-	132	C8H8N2	1000316-00-2	80
5	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
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Sample : M2077-04
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

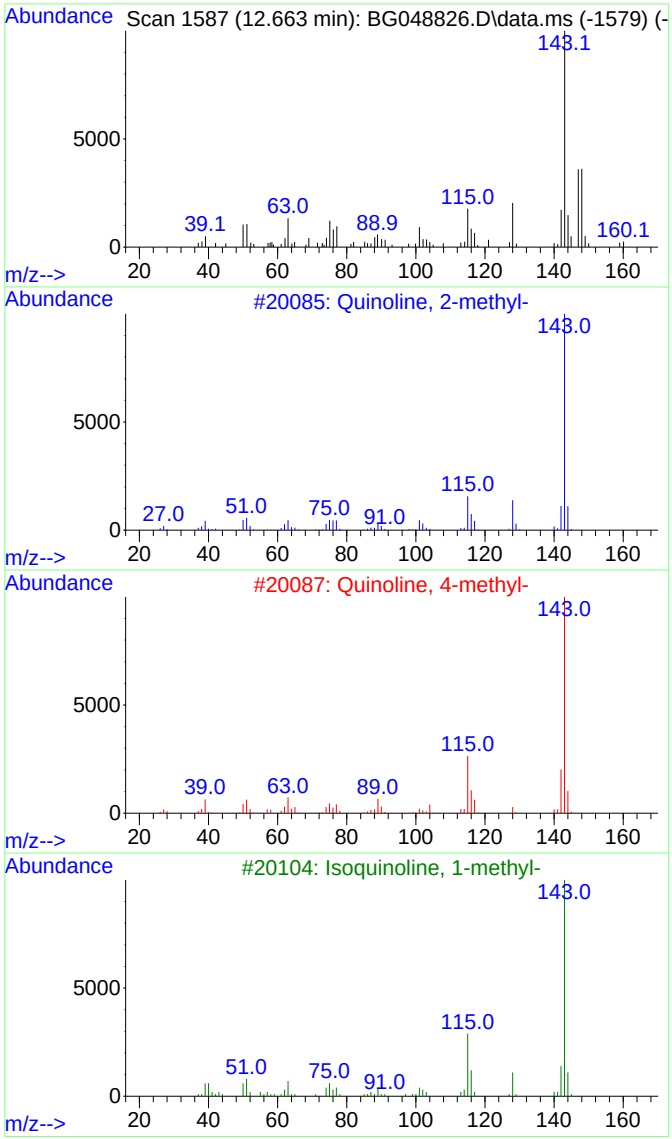
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

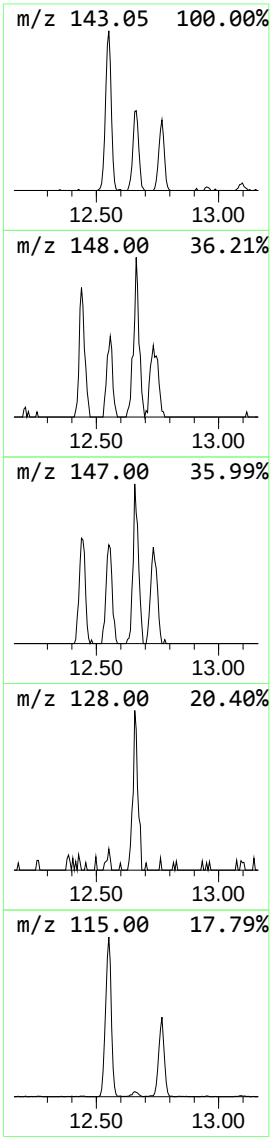
****

Peak Number 3 Quinoline, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.663	11.84 ng	121173	Naphthalene-d8	10.888

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	70
2	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	60
3	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	60
4	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	50
5	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	46





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Sample : M2077-04
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Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

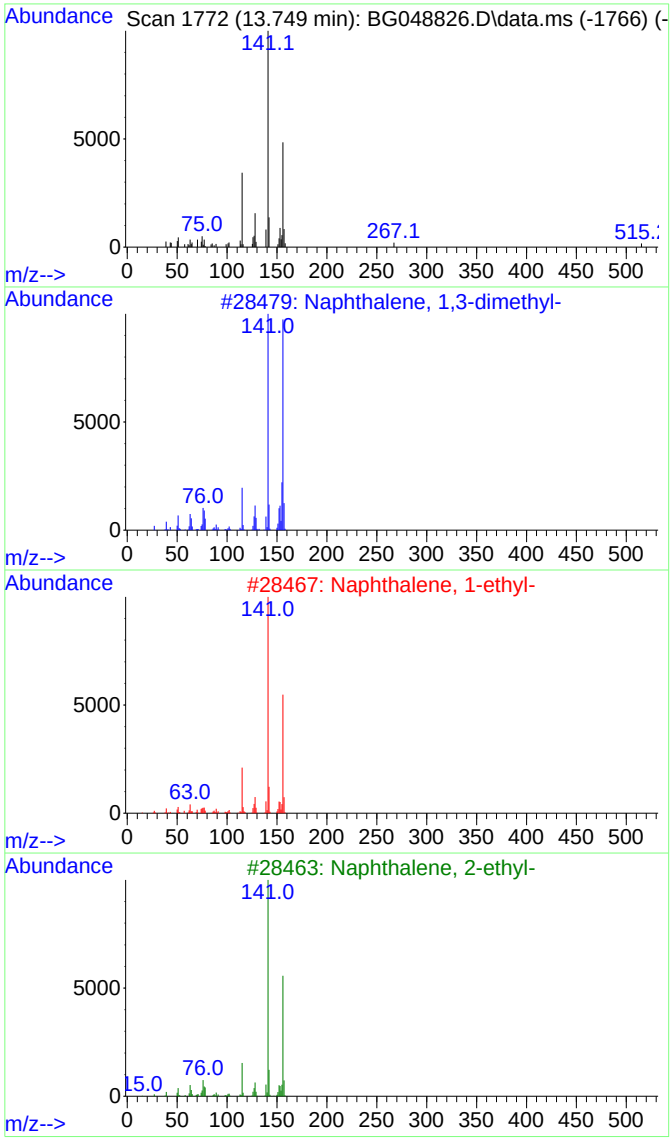
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

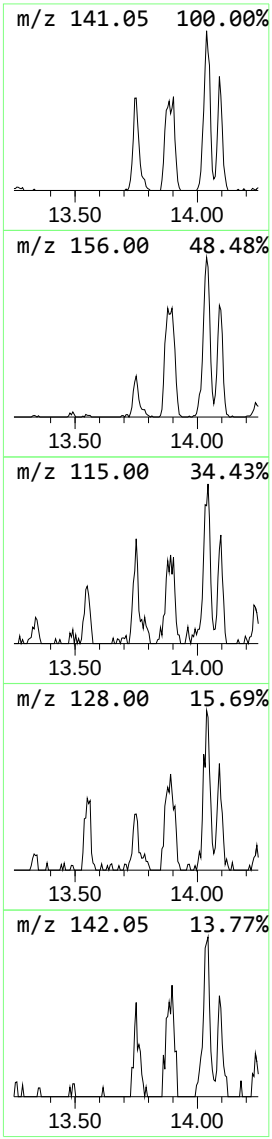
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	6.62 ng	83385	Acenaphthene-d10	14.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	86
5	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

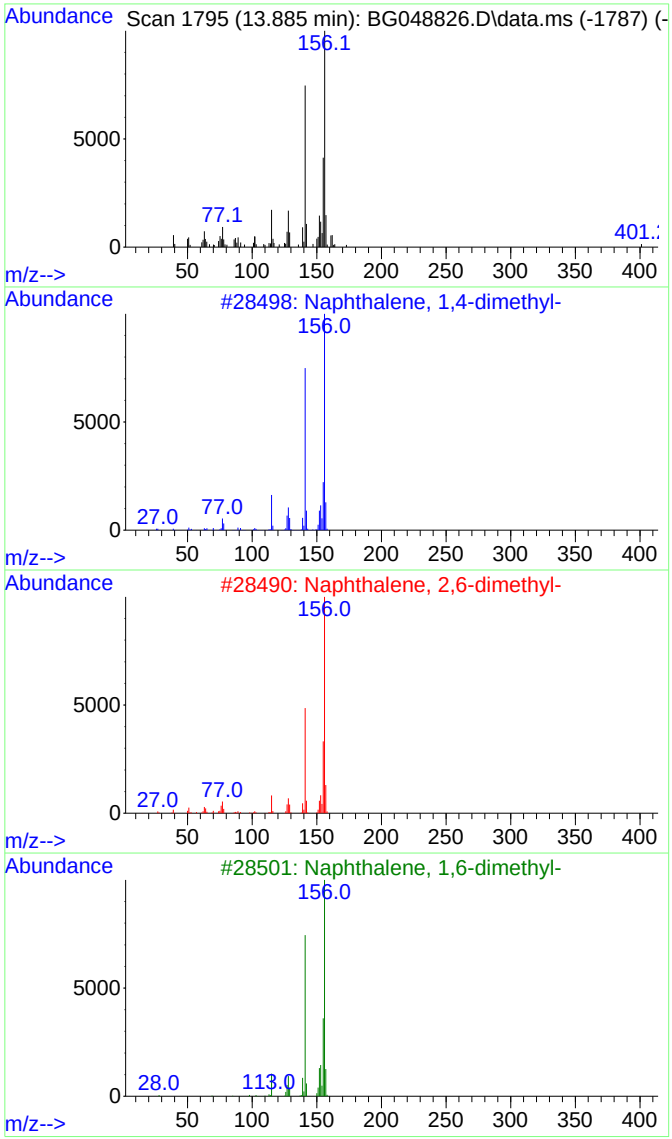
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

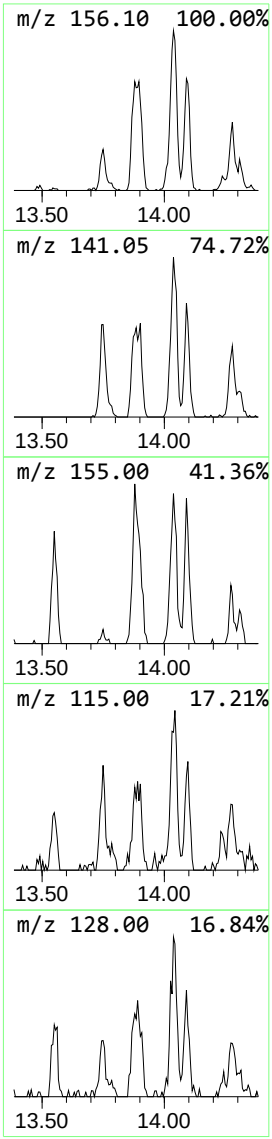
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.885	16.19 ng	204021	Acenaphthene-d10	14.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





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Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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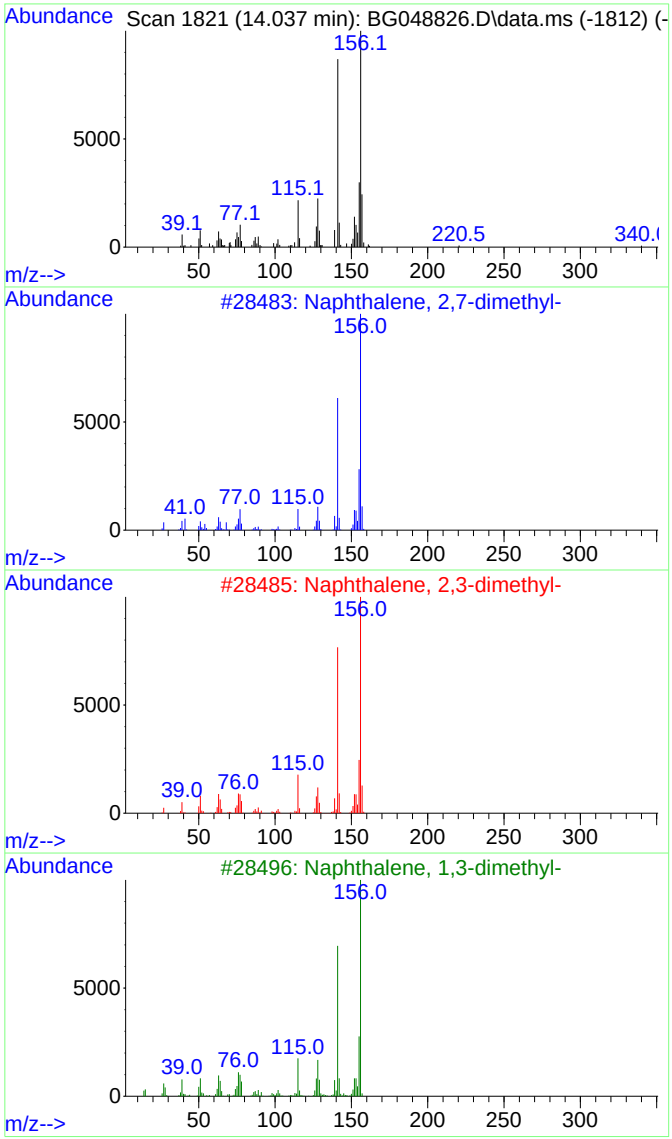
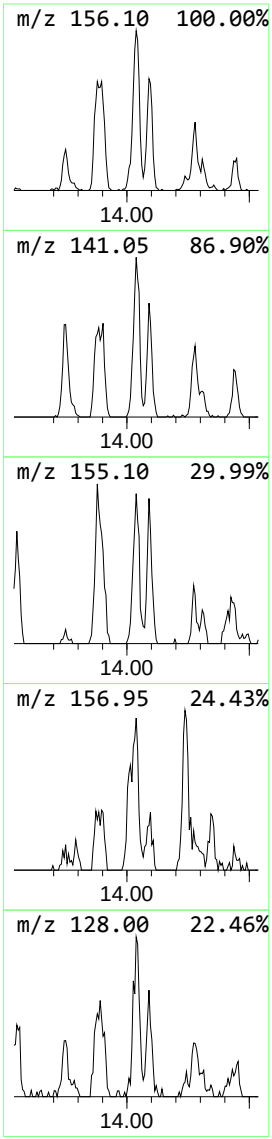
Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.037	17.94 ng	226115	Acenaphthene-d10	14.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91





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Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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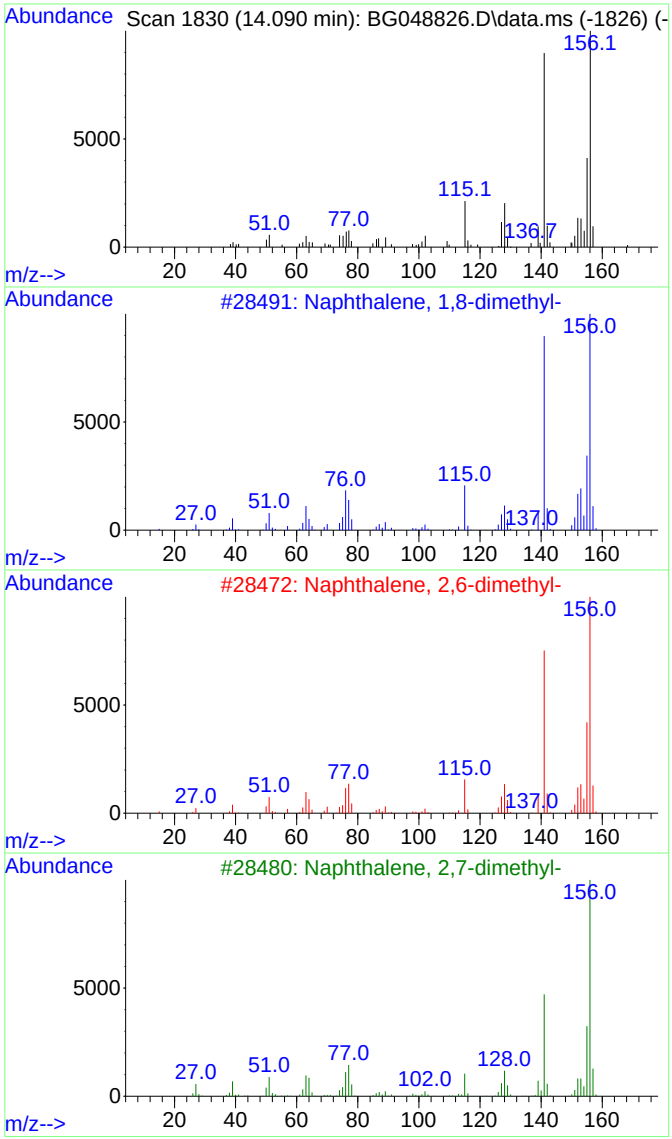
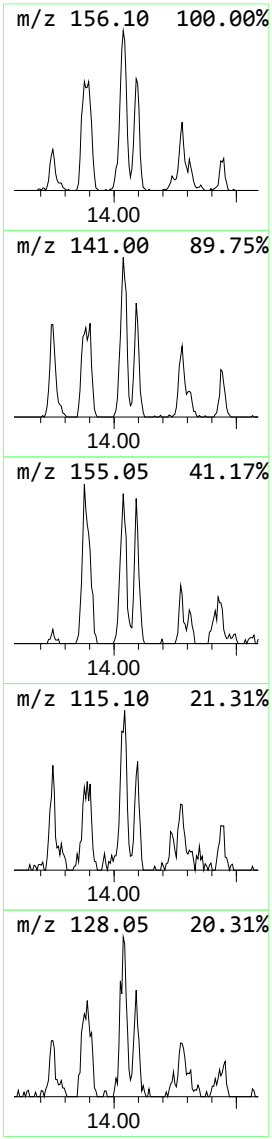
Peak Number 7 Naphthalene, 1,8-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.090	9.63 ng	121365	Acenaphthene-d10	14.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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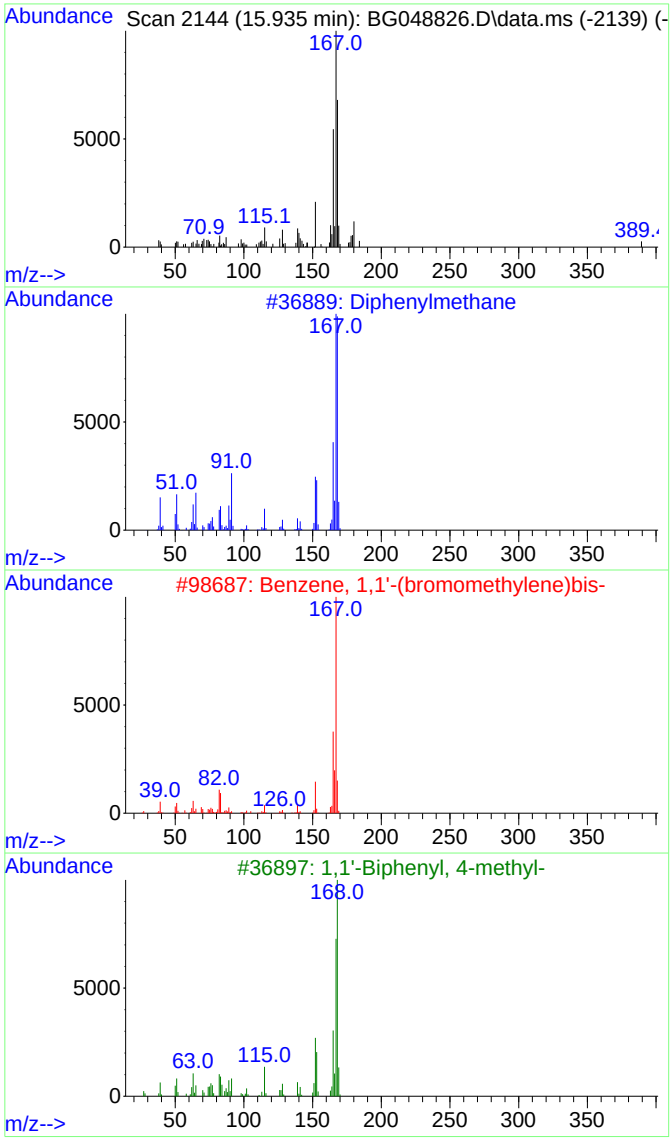
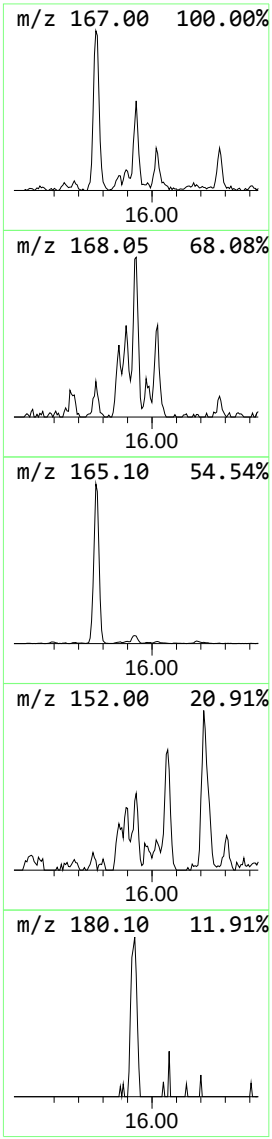
Peak Number 8 Diphenylmethane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.935	11.31 ng	142541	Acenaphthene-d10	14.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	70
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	50
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
4	Benzenepropanoic acid, .beta.-ph...	226	C15H14O2	000606-83-7	50
5	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	47





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Misc :
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Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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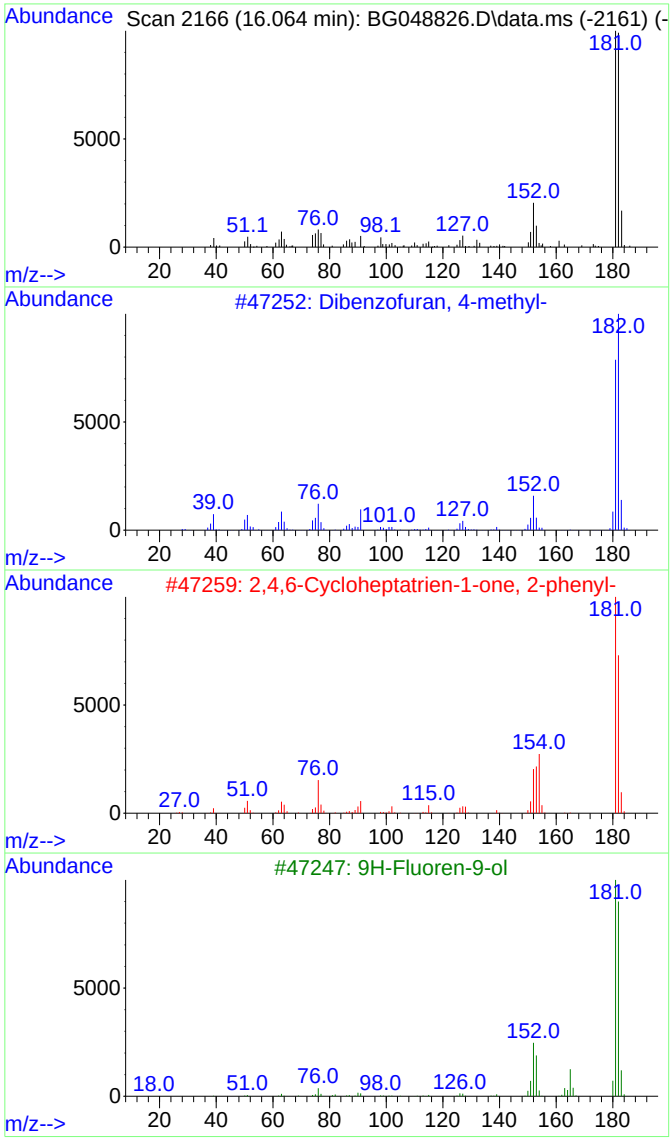
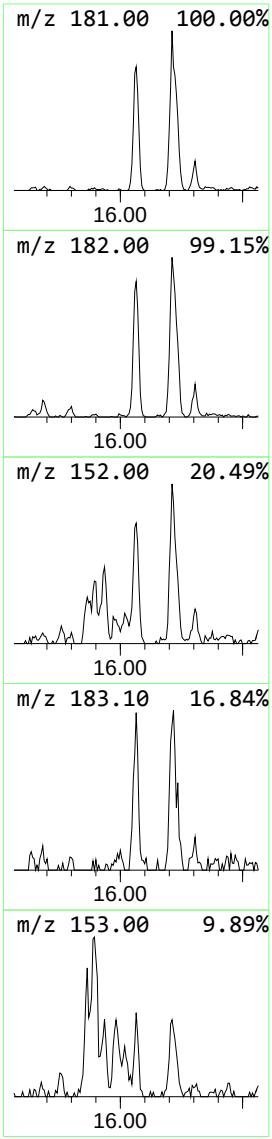
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.064	15.76 ng	198662	Acenaphthene-d10	14.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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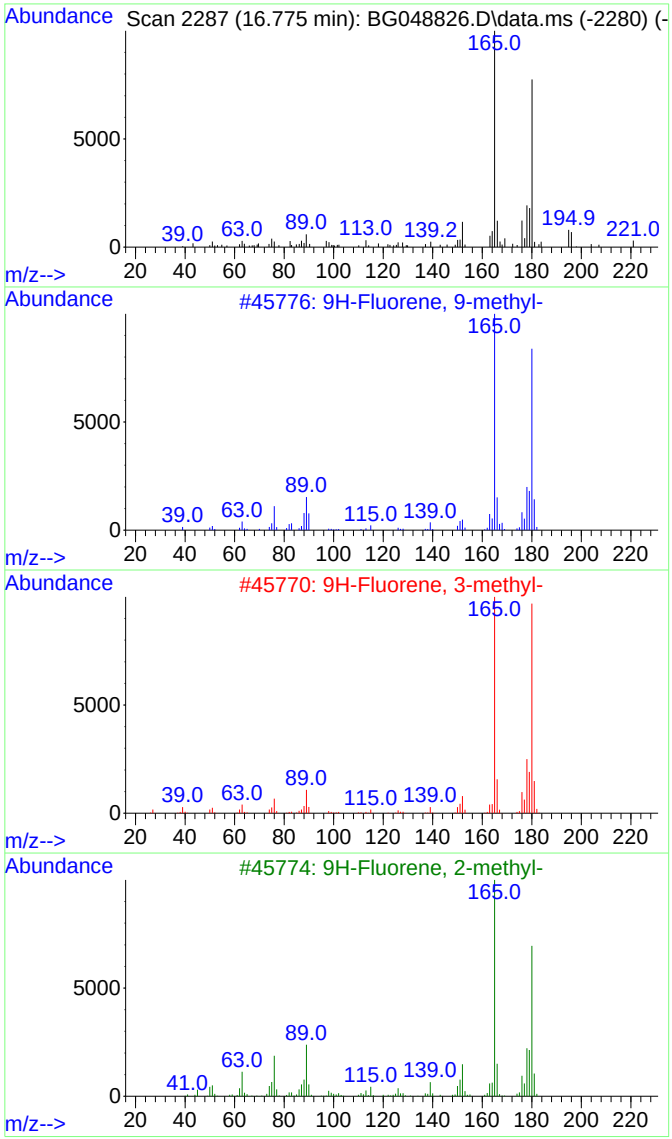
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

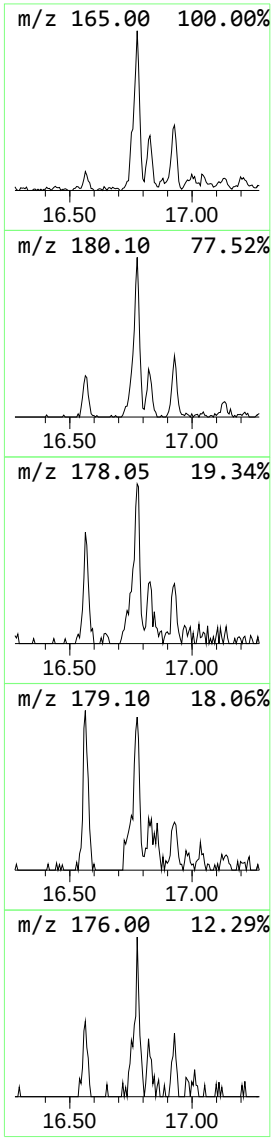
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9H-Fluorene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.775	10.18 ng	177443	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	74
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	74
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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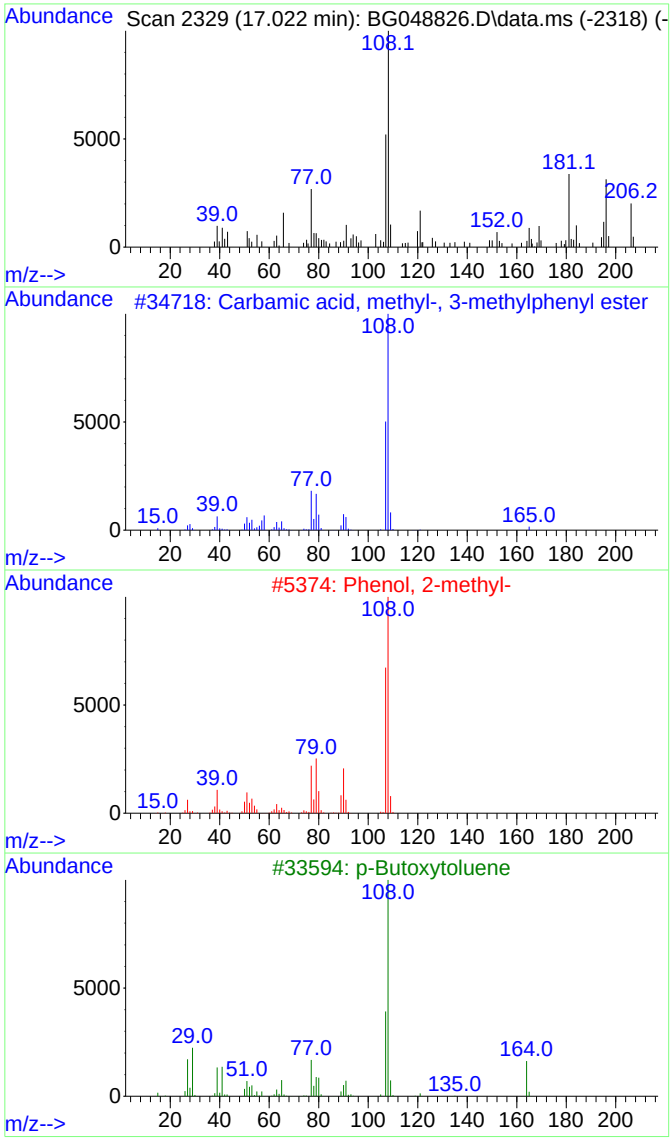
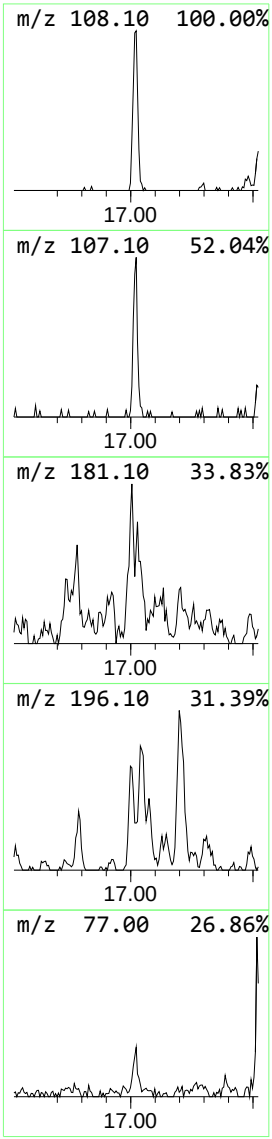
Peak Number 11 unknown17.022 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.022	7.37 ng	128480	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamic acid, methyl-, 3-methyl...	165	C9H11NO2	001129-41-5	43
2	Phenol, 2-methyl-	108	C7H8O	000095-48-7	43
3	p-Butoxytoluene	164	C11H16O	010519-06-9	43
4	1,2-Butanediol, 1-phenyl-	166	C10H14O2	022607-13-2	38
5	2-Pyridinamine, 3-methyl-	108	C6H8N2	001603-40-3	38





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Misc :
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Instrument :
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ClientSampleId :
SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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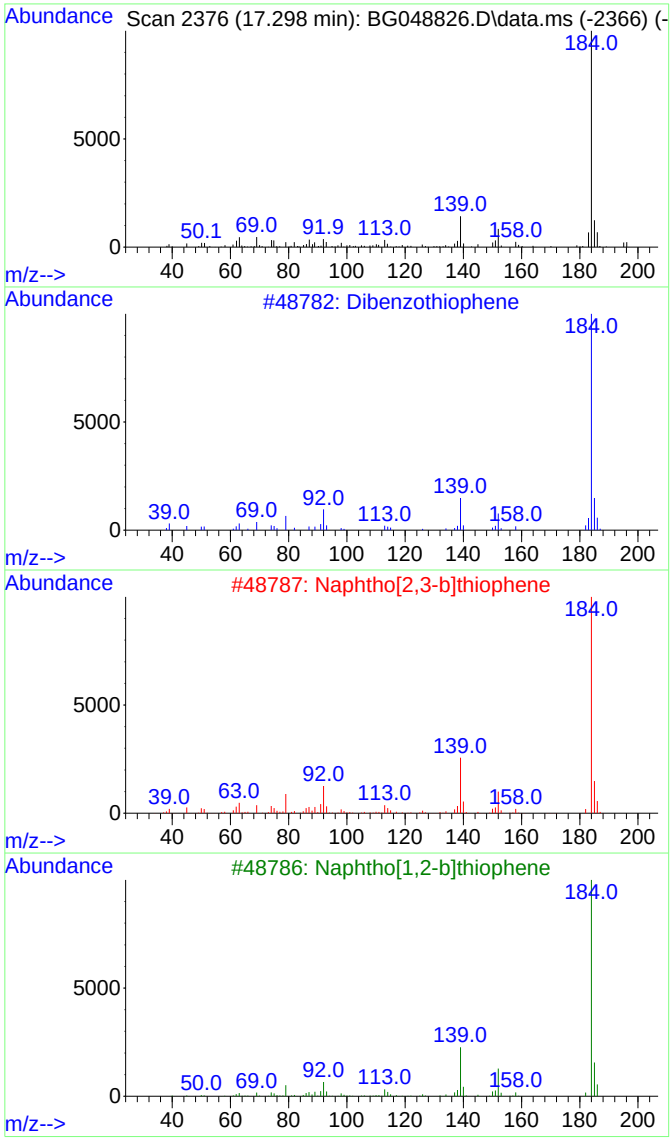
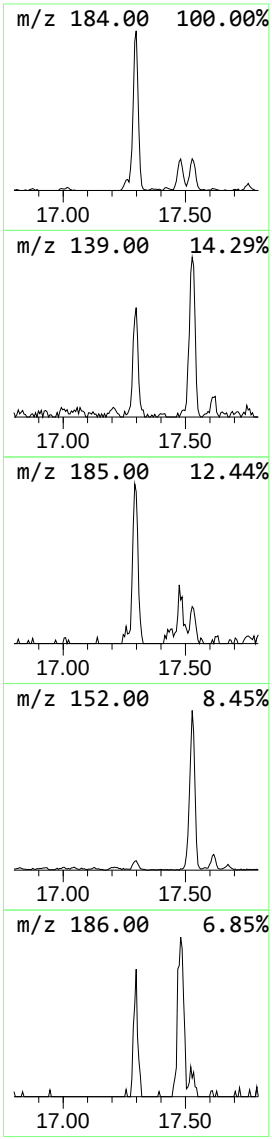
Peak Number 12 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.298	15.95 ng	278172	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76





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Misc :
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Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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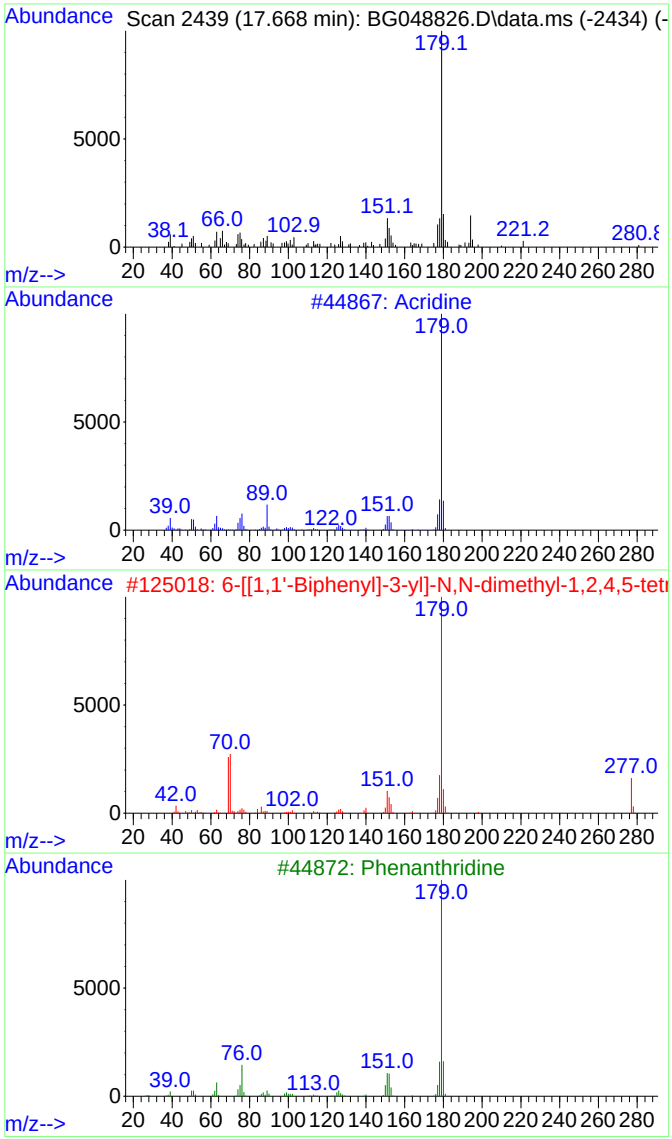
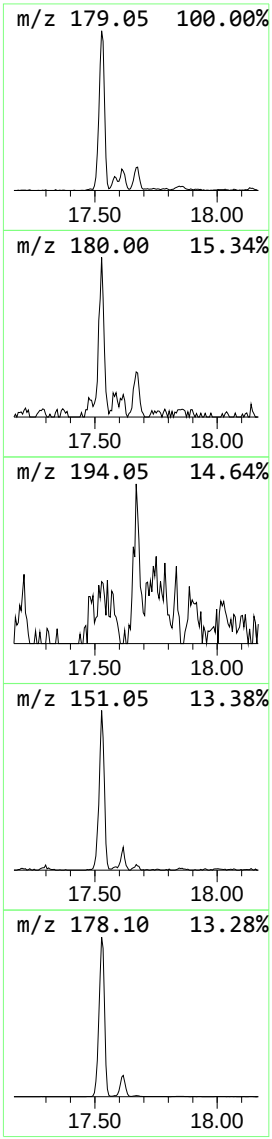
Peak Number 13 Acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.668	5.55 ng	96809	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	87
2	6-[[1,1'-Biphenyl]-3-yl]-N,N-dim...	277	C16H15N5	072115-94-7	80
3	Phenanthridine	179	C13H9N	000229-87-8	74
4	Benzo[g]quinoline	179	C13H9N	000260-36-6	72
5	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	72





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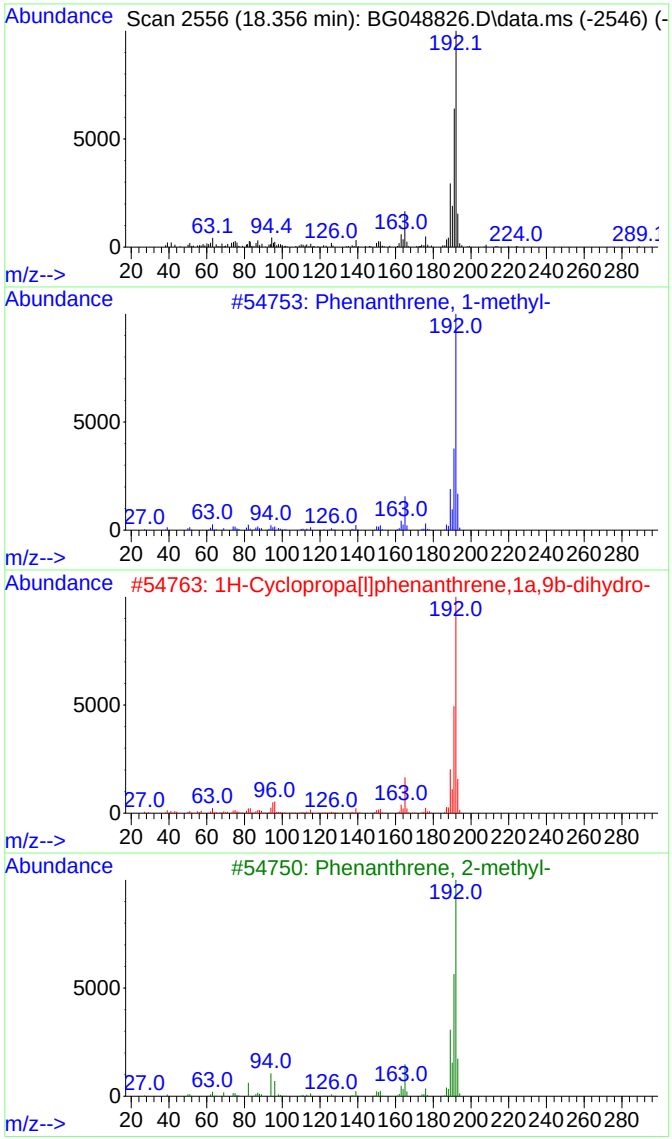
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

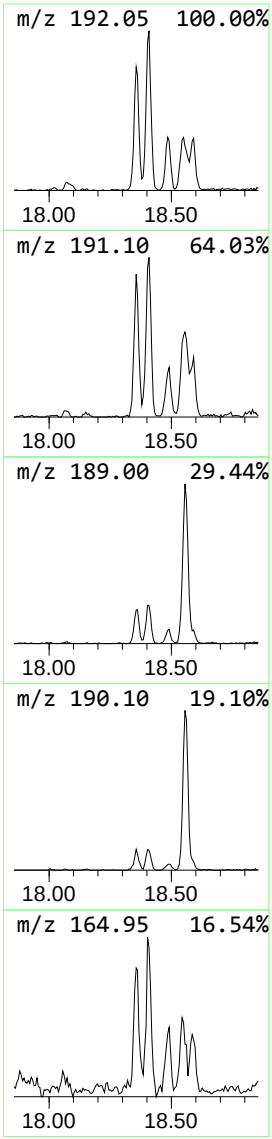
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.356	17.64 ng	307515	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Misc :
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ClientSampleId : SB-20-14.5-15.0

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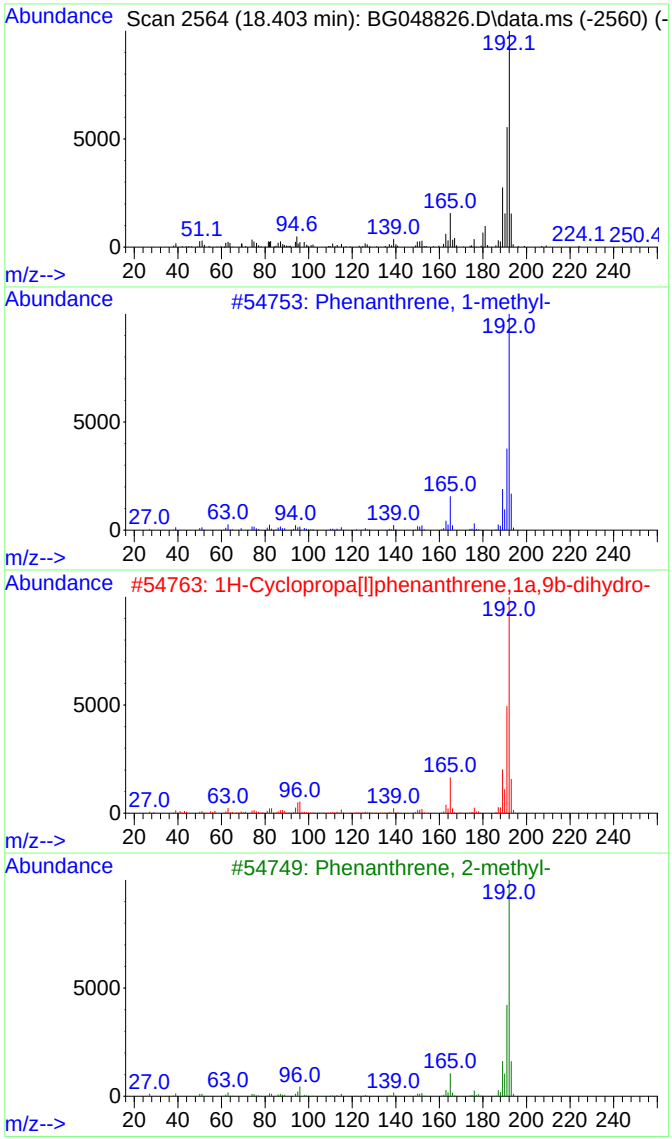
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

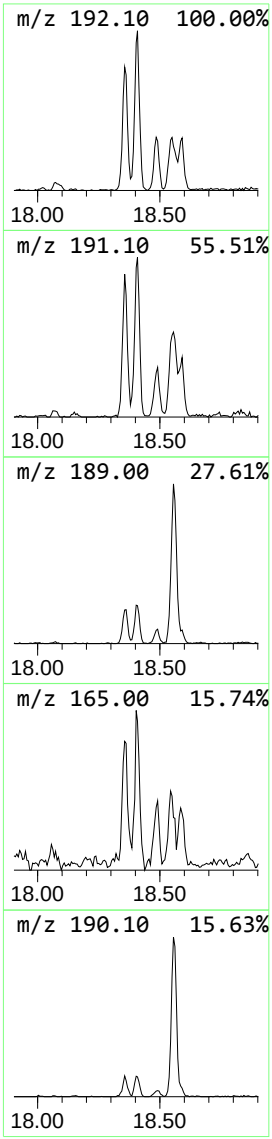
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.403	19.26 ng	335876	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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ClientSampleId :
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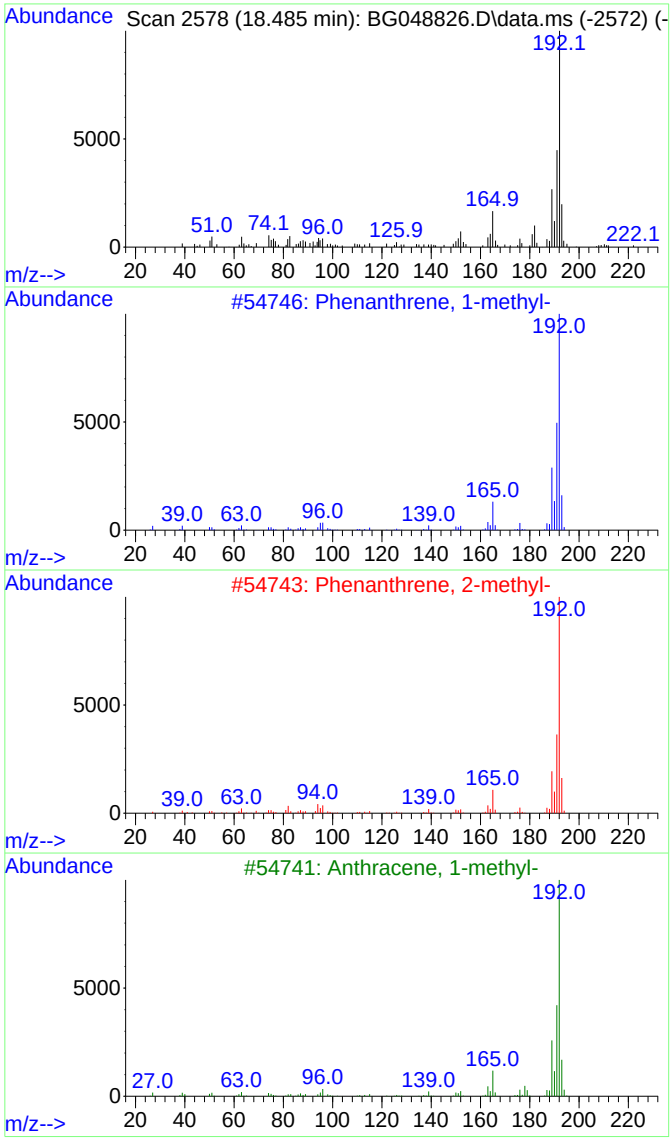
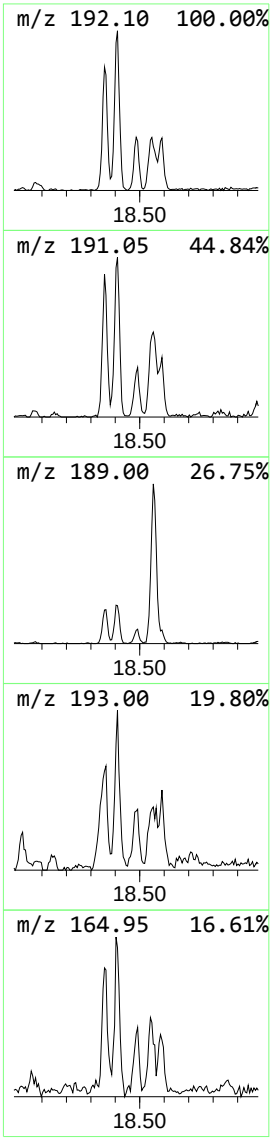
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.485	7.72 ng	134656	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

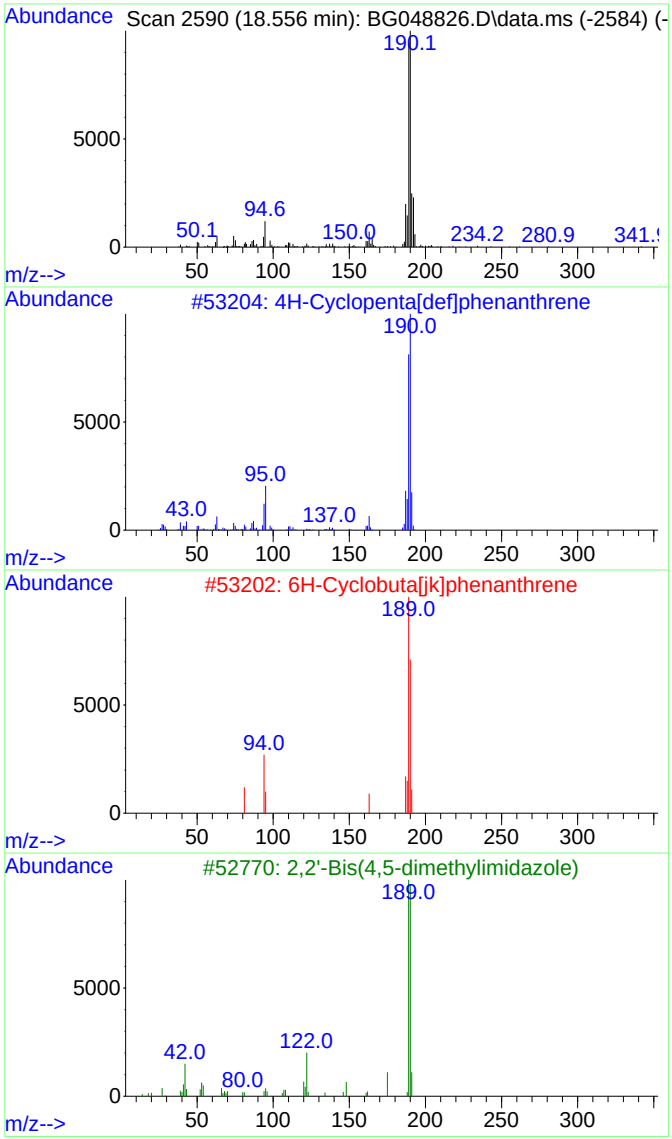
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

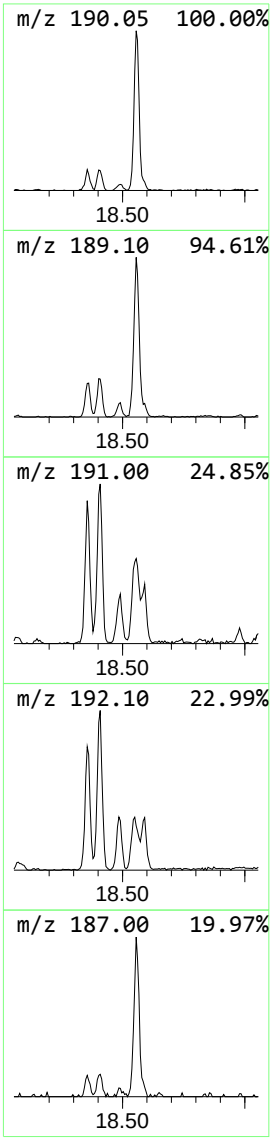
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.556	27.12 ng	472927	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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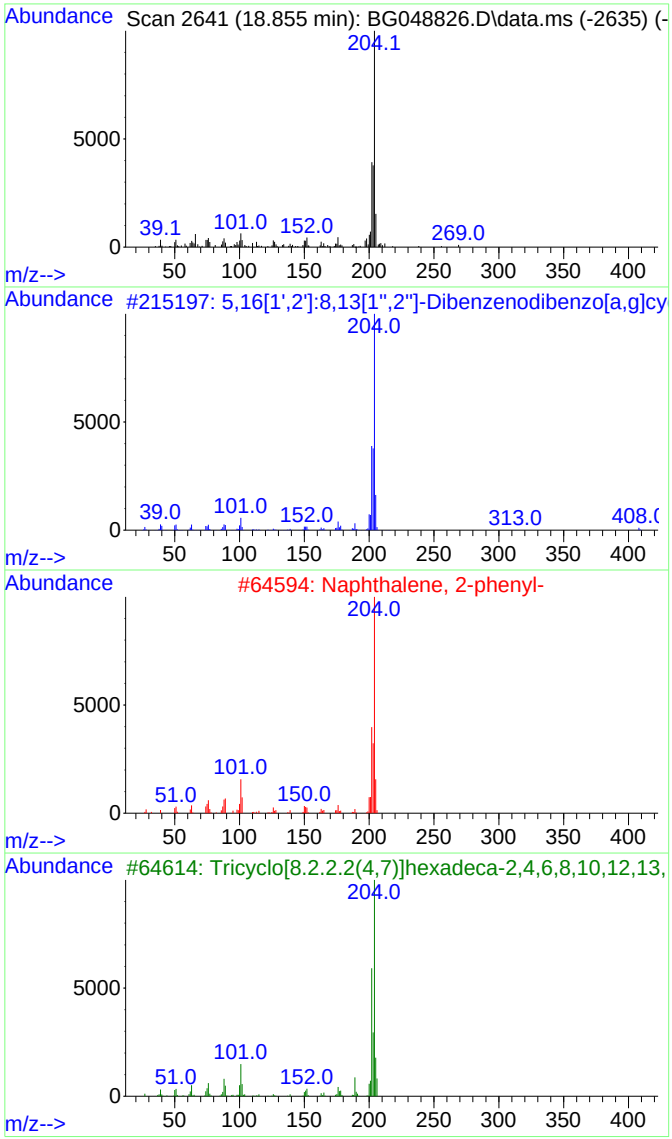
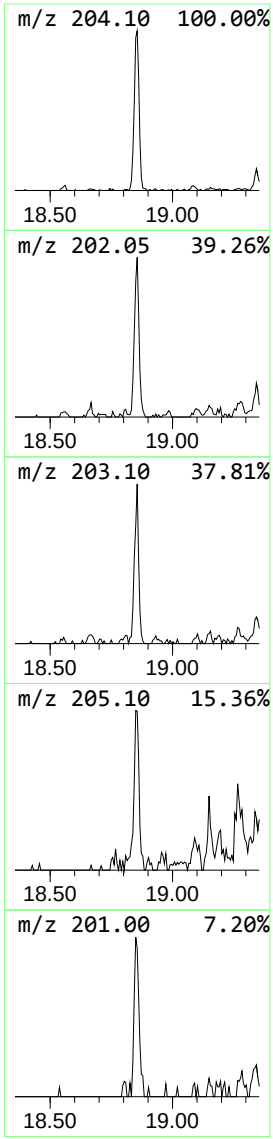
****
Peak Number 18 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.855	9.74 ng	169834	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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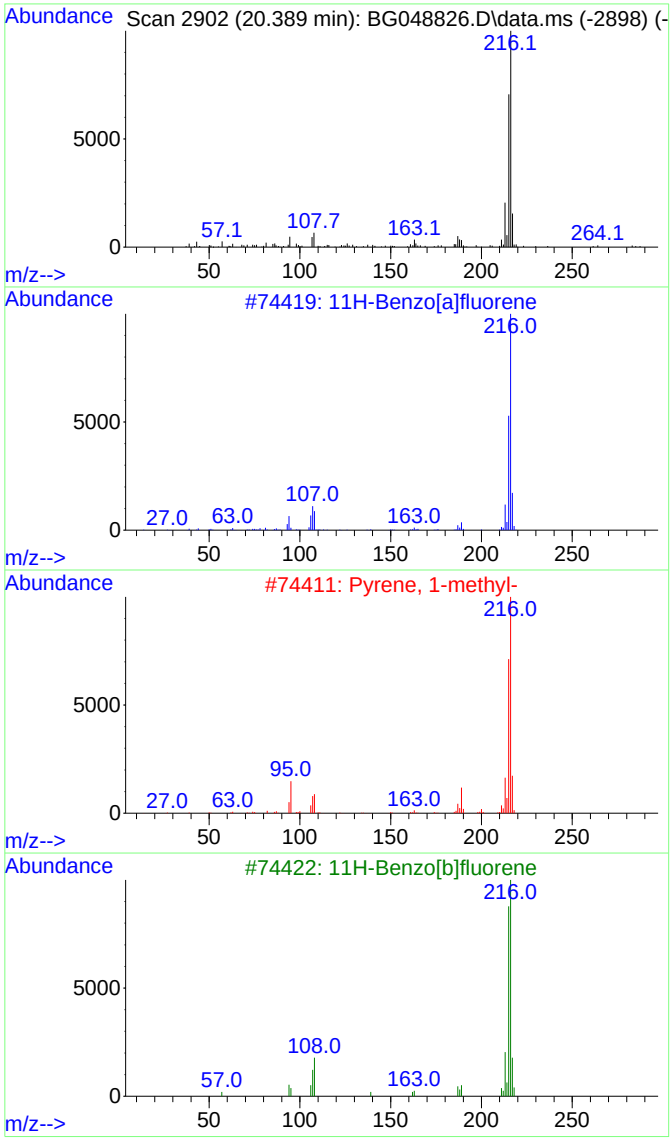
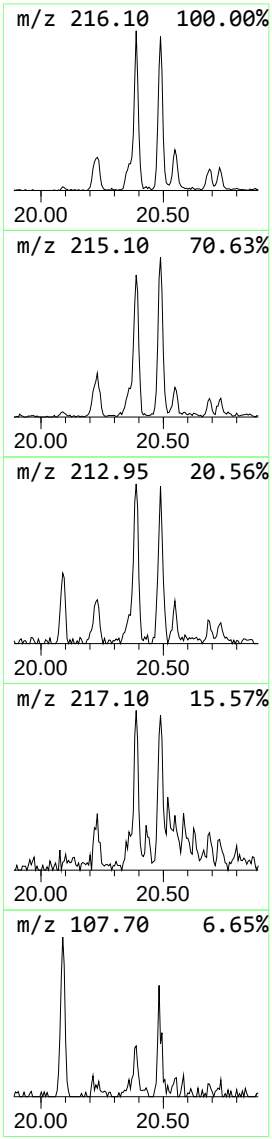
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.389	5.83 ng	194064	Chrysene-d12	21.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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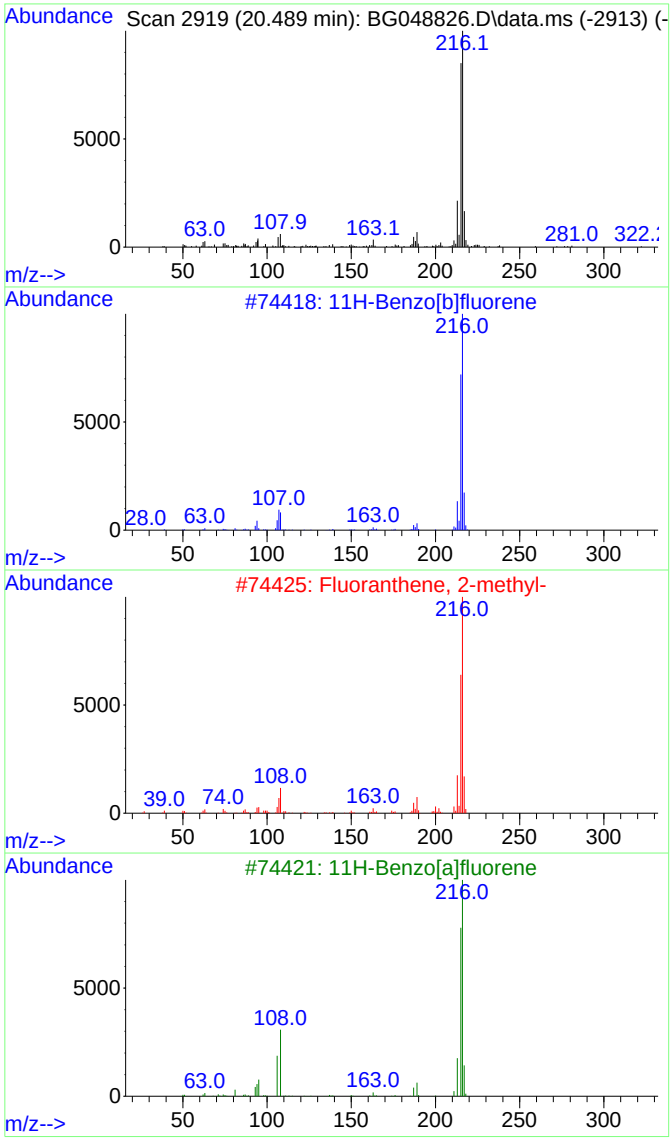
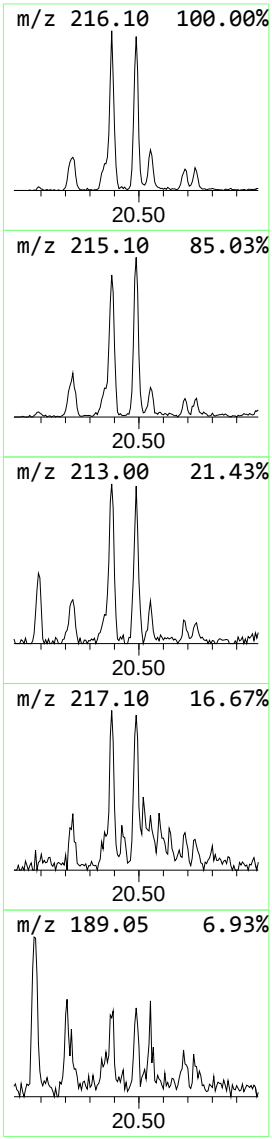
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.489	5.97 ng	198791	Chrysene-d12	21.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-20-14.5-15.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tetracyclo[3.3....	8.438	30.3	ng	224639	1	8.056	148406	20.0
Benzofuran, 7-m...	9.554	5.4	ng	55184	2	10.888	204756	20.0
Quinoline, 2-me...	12.663	11.8	ng	121173	2	10.888	204756	20.0
Naphthalene, 1,...	13.749	6.6	ng	83385	3	14.719	252109	20.0
Naphthalene, 1,...	13.885	16.2	ng	204021	3	14.719	252109	20.0
Naphthalene, 2,...	14.037	17.9	ng	226115	3	14.719	252109	20.0
Naphthalene, 1,...	14.090	9.6	ng	121365	3	14.719	252109	20.0
Diphenylmethane	15.935	11.3	ng	142541	3	14.719	252109	20.0
Dibenzofuran, 4...	16.064	15.8	ng	198662	3	14.719	252109	20.0
9H-Fluorene, 9-...	16.775	10.2	ng	177443	4	17.480	348739	20.0
unknown17.022	17.022	7.4	ng	128480	4	17.480	348739	20.0
Dibenzothiophene	17.298	15.9	ng	278172	4	17.480	348739	20.0
Acridine	17.668	5.5	ng	96809	4	17.480	348739	20.0
Phenanthrene, 1...	18.356	17.6	ng	307515	4	17.480	348739	20.0
1H-Cyclopropa[l...	18.403	19.3	ng	335876	4	17.480	348739	20.0
Phenanthrene, 2...	18.485	7.7	ng	134656	4	17.480	348739	20.0
4H-Cyclopenta[d...	18.556	27.1	ng	472927	4	17.480	348739	20.0
5,16[1',2']:8,1...	18.855	9.7	ng	169834	4	17.480	348739	20.0
11H-Benzo[a]flu...	20.389	5.8	ng	194064	5	21.775	666135	20.0
11H-Benzo[b]flu...	20.489	6.0	ng	198791	5	21.775	666135	20.0