LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056684.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.465	321	328	336	rBV	167134	260637	22.35%	1.548%
2	5.941	401	409	420	rBV	387880	622735	53.39%	3.698%
3	7.557	674	684	696	rVB	409711	705581	60.49%	4.190%
4	8.086	769	774	775	rBV3	11311	14669	1.26%	0.087%
5	8.103	775	777	783	rVV5	10909	19544	1.68%	0.116%
6	8.174	784	789	796	rVB5	4828	14145	1.21%	0.084%
7	8.432	826	833	840	rBV	79800	136089	11.67%	0.808%
8	8.991	921	928	929	rBV2	10763	15498	1.33%	0.092%
9	9.608	1025	1033	1039	rBV	232283	421371	36.13%	2.502%
10	9.731	1046	1054	1065	rBV9	5623	19699	1.69%	0.117%
11	9.825	1065	1070	1085	rVB9	4415	14116	1.21%	0.084%
12	10.283	1142	1148	1150	rBV3	10208	17467	1.50%	0.104%
13	10.700	1210	1219	1225	rBV7	9119	25770	2.21%	0.153%
14	10.800	1232	1236	1249	rVB8	9268	26887	2.31%	0.160%
15	11.270	1310	1316	1321	rBV	104321	187462	16.07%	1.113%
16	11.317	1321	1324	1335	rVB	37155	65275	5.60%	0.388%
17	11.781	1396	1403	1408	rBV3	16603	41828	3.59%	0.248%
18	11.917	1420	1426	1432	rBV2	18482	47092	4.04%	0.280%
19	12.892	1585	1592	1603	rBV3	63748	130135	11.16%	0.773%
20	13.109	1624	1629	1637	rVB	44839	79409	6.81%	0.472%
21	13.509	1691	1697	1704	rBV3	11178	29454	2.53%	0.175%
22	13.668	1717	1724	1732	rVB	569278	920492	78.92%	5.466%
23	13.873	1754	1759	1767	rVB2	12240	22786	1.95%	0.135%
24	14.196	1805	1814	1815	rBV5	20645	33467	2.87%	0.199%
25	14.279	1824	1828	1834	rBV9	8866	20696	1.77%	0.123%
26	14.355	1836	1841	1847	rVV	38100	73141	6.27%	0.434%
27	14.414	1847	1851	1855	rVB2	20724	31312	2.68%	0.186%
28	14.590	1876	1881	1885	rBV2	19749	29054	2.49%	0.173%
29	14.760	1905	1910	1922	rBV4	34584	87405	7.49%	0.519%
30	14.990	1946	1949	1952	rVV4	18504	30901	2.65%	0.183%
31	15.037	1952	1957	1963	rVV2	155168	259260	22.23%	1.540%
32	15.101	1963	1968	1973	rVB3	28394	47148	4.04%	0.280%
33	15.418	2019	2022	2029	rVB2	28974	46941	4.02%	0.279%
34	15.495	2030	2035	2041	rVB2	19221	29441	2.52%	0.175%
35	15.636	2052	2059	2065	rBV5	15354	36333	3.12%	0.216%
36	15.689	2065	2068	2073	rVB3	13518	21294	1.83%	0.126%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.789	2080	2085	2088	rBV7	12852	23920	2.05%	0.142%
38	15.841	2091	2094	2098	rVB5	12458	18125	1.55%	0.108%
39	15.894	2098	2103	2108	rBV5	8906	19368	1.66%	0.115%
40	15.977	2114	2117	2122	rBV6	10432	12893	1.11%	0.077%
41	16.071	2126	2133	2143	rVB	72767	136627	11.71%	0.811%
42	16.370	2174	2184	2193	rVB2	97688	172503	14.79%	1.024%
43	16.511	2201	2208	2215	rVB	471012	733583	62.90%	4.356%
44	16.599	2220	2223	2228	rBV7	8958	13316	1.14%	0.079%
45	16.735	2242	2246	2253	rVB7	14624	28233	2.42%	0.168%
46	16.870	2265	2269	2273	rBV7	14132	25118	2.15%	0.149%
47	17.064	2296	2302	2307	rVB3	29081	60508	5.19%	0.359%
48	17.122	2307	2312	2316	rVB2	19490	27883	2.39%	0.166%
49	17.216	2324	2328	2333	rVB5	18044	32461	2.78%	0.193%
50	17.293	2335	2341	2346	rBV9	10705	23790	2.04%	0.141%
51	17.416	2358	2362	2371	rVB2	33986	66523	5.70%	0.395%
52	17.487	2371	2374	2379	rBV6	10958	20576	1.76%	0.122%
53	17.586	2387	2391	2401	rVB	41751	74538	6.39%	0.443%
54	17.769	2416	2422	2425	rBV	192590	292413	25.07%	1.736%
55	17.816	2425	2430	2436	rVB	617595	908958	77.93%	5.398%
56	17.904	2440	2445	2449	rVV	81845	116668	10.00%	0.693%
57	18.162	2483	2489	2496	rBV2	26508	49061	4.21%	0.291%
58	18.280	2506	2509	2514	rBV2	18290	27100	2.32%	0.161%
59	18.344	2516	2520	2525	rVV2	27215	41060	3.52%	0.244%
60	18.485	2541	2544	2550	rVB3	17746	34929	2.99%	0.207%
61	18.556	2553	2556	2560	rBV5	11267	16032	1.37%	0.095%
62	18.632	2567	2569	2574	rVB	121227	157457	13.50%	0.935%
63	18.685	2574	2578	2585	rVB	173953	251891	21.60%	1.496%
64	18.762	2587	2591	2595	rVB	37726	56581	4.85%	0.336%
65	18.826	2596	2602	2606	rBV3	146756	301448	25.85%	1.790%
66	18.861	2606	2608	2614	rVB2	98044	126826	10.87%	0.753%
67	19.026	2634	2636	2640	rVB5	19454	21869	1.87%	0.130%
68	19.120	2647	2652	2656	rBV	72296	107313	9.20%	0.637%
69	19.161	2656	2659	2668	rVB2	53947	88692	7.60%	0.527%
70	19.249	2671	2674	2677	rBV5	10438	15275	1.31%	0.091%
71	19.361	2689	2693	2697	rVB	38716	52744	4.52%	0.313%
72	19.414	2698	2702	2705	rBV	49329	59343	5.09%	0.352%
73	19.449	2705	2708	2712	rVB	37127	50486	4.33%	0.300%
74	19.531	2716	2722	2727	rBV2	115924	198491	17.02%	1.179%
75	19.596	2727	2733	2736	rBV4	40446	93611	8.03%	0.556%
76	19.672	2741	2746	2752	rBV3	52738	118629	10.17%	0.704%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.802	2761	2768	2773	rBV	648065	941280	80.70%	5.589%
78	19.943	2789	2792	2796	rBV	28485	44099	3.78%	0.262%
79	20.125	2818	2823	2824	rBV	75304	105034	9.01%	0.624%
80	20.160	2824	2829	2835	rVV	730831	1014829	87.01%	6.026%
81	20.219	2835	2839	2844	rVB2	55269	82601	7.08%	0.490%
82	20.336	2854	2859	2864	rVB	901994	1166361	100.00%	6.926%
83	20.477	2876	2883	2889	rBV3	67620	172123	14.76%	1.022%
84	20.636	2907	2910	2917	rVB	117812	177264	15.20%	1.053%
85	20.736	2924	2927	2931	rVB	57606	76418	6.55%	0.454%
86	20.800	2934	2938	2942	rVB	90265	122415	10.50%	0.727%
87	20.941	2958	2962	2966	rBV	82664	123975	10.63%	0.736%
88	20.988	2967	2970	2980	rVB2	75107	139730	11.98%	0.830%
89	21.435	3042	3046	3054	rVB	64383	117257	10.05%	0.696%
90	21.735	3093	3097	3101	rBV2	53056	85880	7.36%	0.510%
91	21.934	3127	3131	3136	rVB3	49490	75362	6.46%	0.448%
92	22.069	3148	3154	3161	rBV2	335983	836613	71.73%	4.968%
93	22.140	3162	3166	3179	rVB	263296	485076	41.59%	2.880%
94	22.299	3190	3193	3200	rBV4	28500	54226	4.65%	0.322%
95	22.880	3289	3292	3297	rVB	55122	92315	7.91%	0.548%
96	24.502	3560	3568	3576	rBV	141939	498545	42.74%	2.960%
97	25.301	3698	3704	3714	rVB	99739	271206	23.25%	1.610%
98	25.465	3724	3732	3743	rVB	156507	460833	39.51%	2.736%
99	25.636	3753	3761	3768	rBV2	89124	255711	21.92%	1.518%
100	29.725	4448	4457	4470	rVB4	41984	179799	15.42%	1.068%

Sum of corrected areas: 16840328

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
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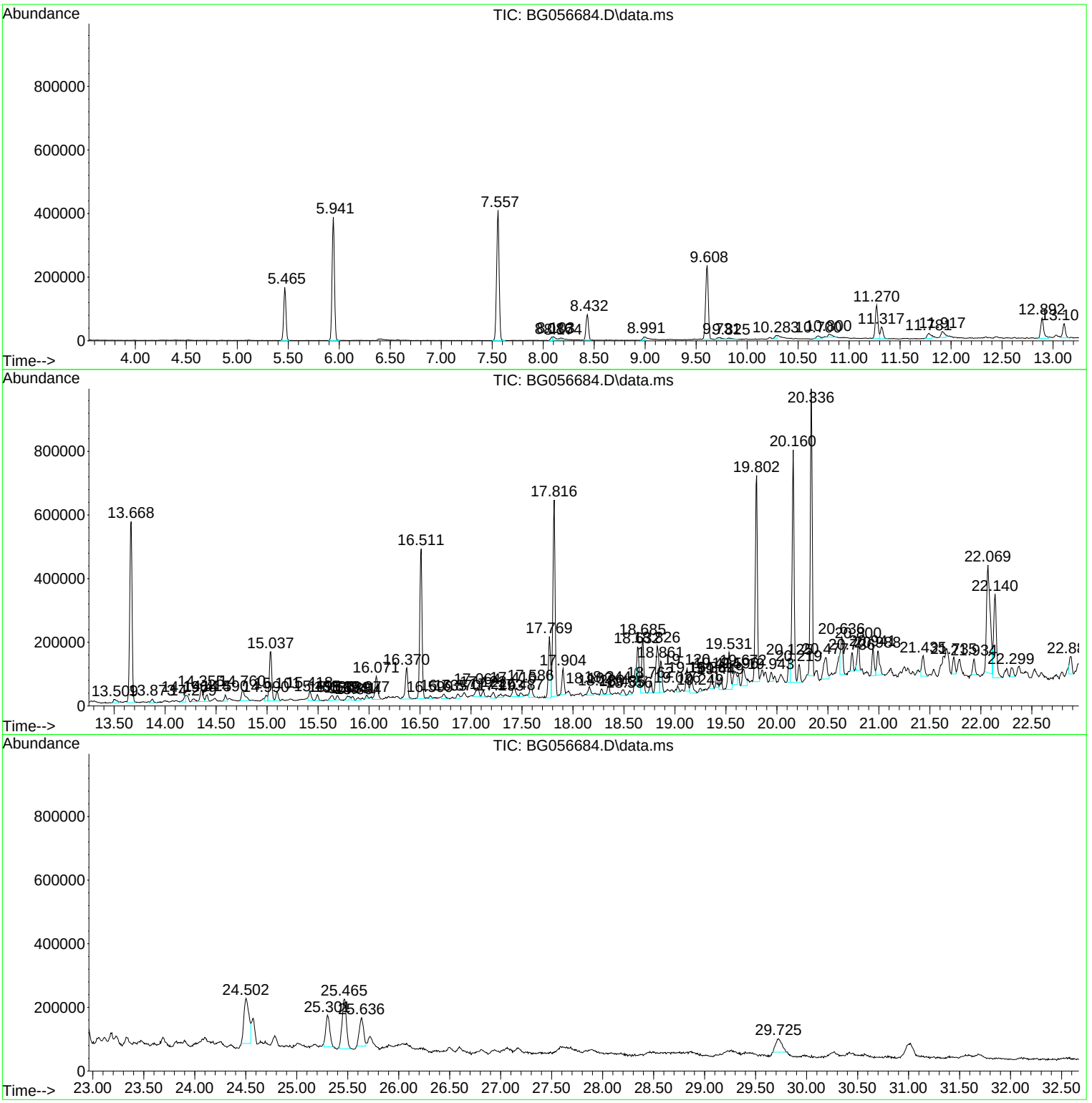
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
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Sample : 01552-03
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Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

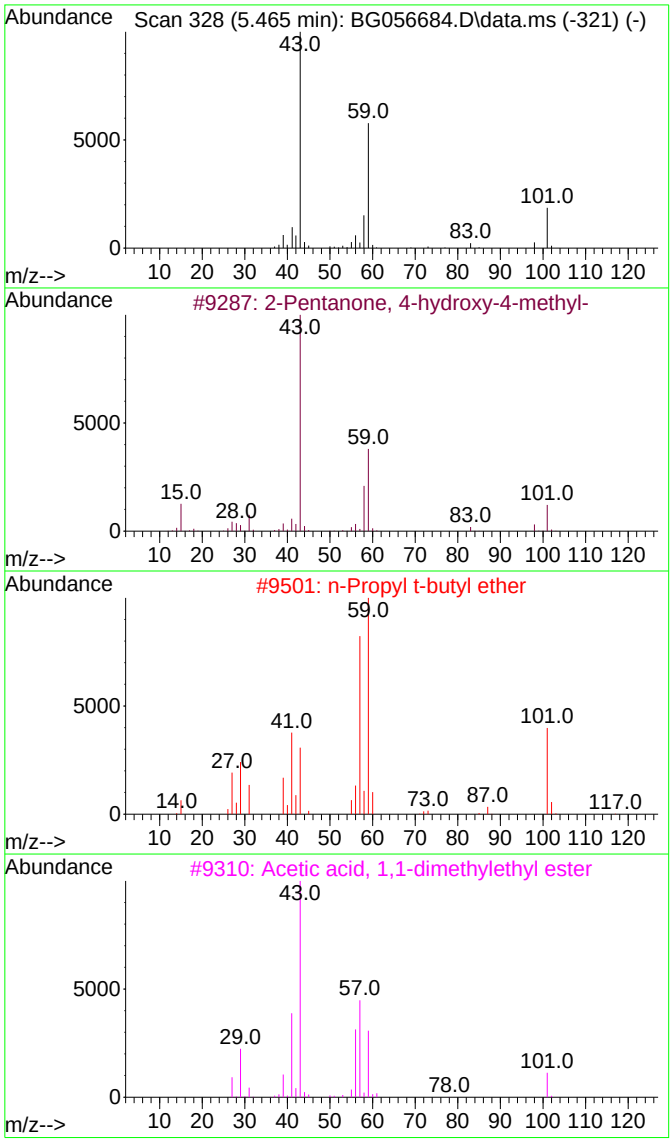
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

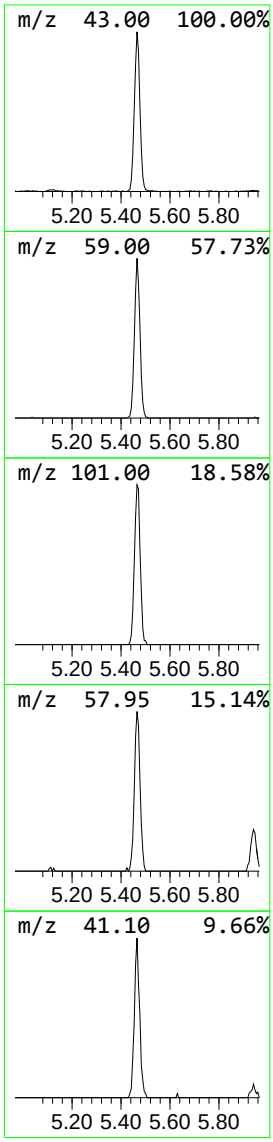
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.465	38.30 ng	260637	1,4-Dichlorobenzene-d4	8.432

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

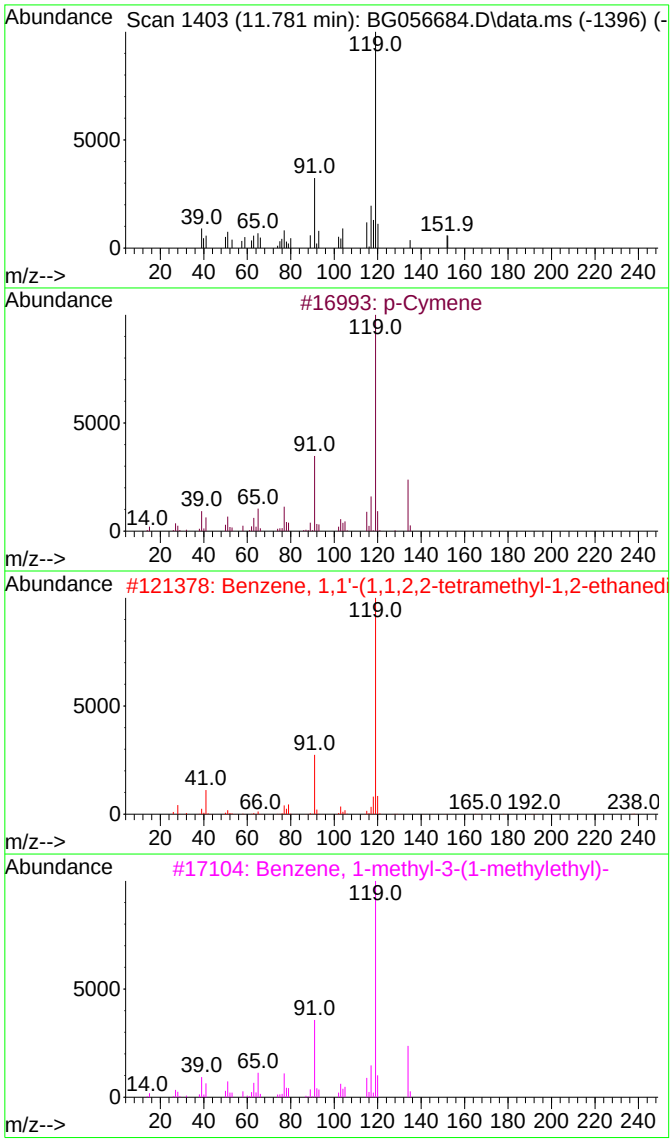
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

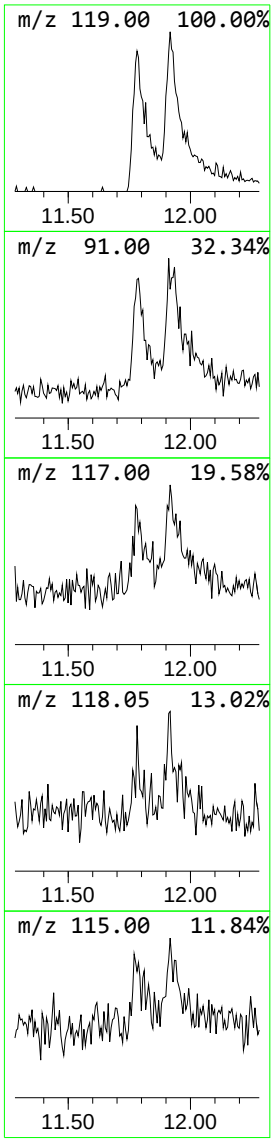
****

Peak Number 2 p-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.781	4.46 ng	41828	Naphthalene-d8	11.270

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	64
2	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	50
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
4	2-fluoro-1-(p-tolyl)ethanone	152	C9H9FO	1000456-25-9	47
5	5-Azabenzimidazole	119	C6H5N3	000272-97-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

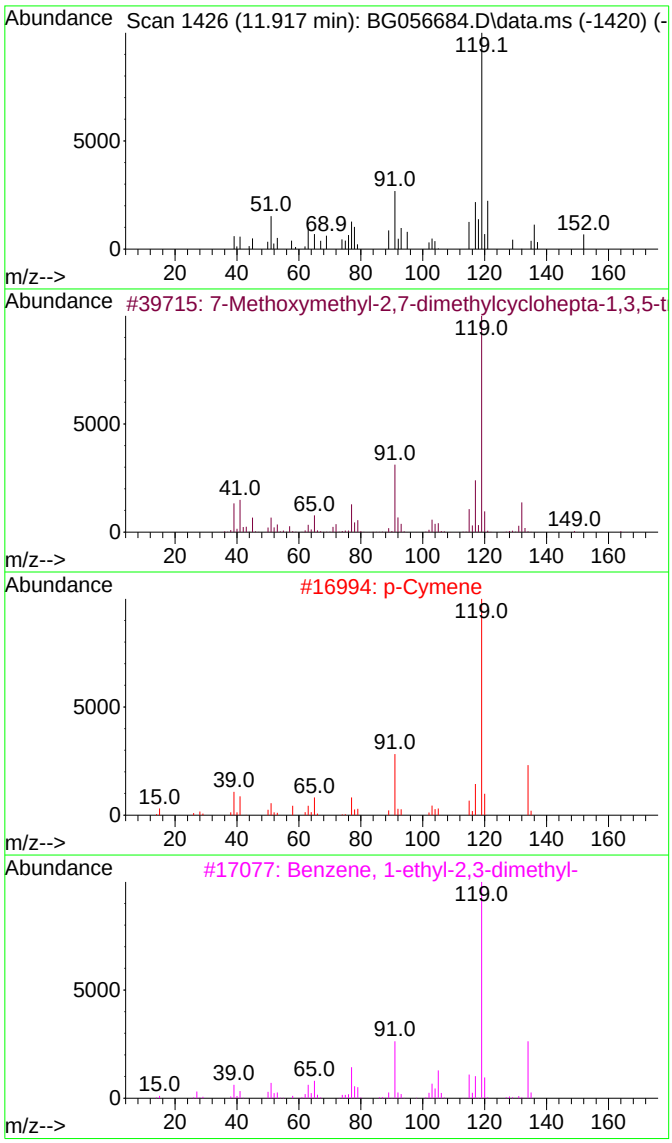
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

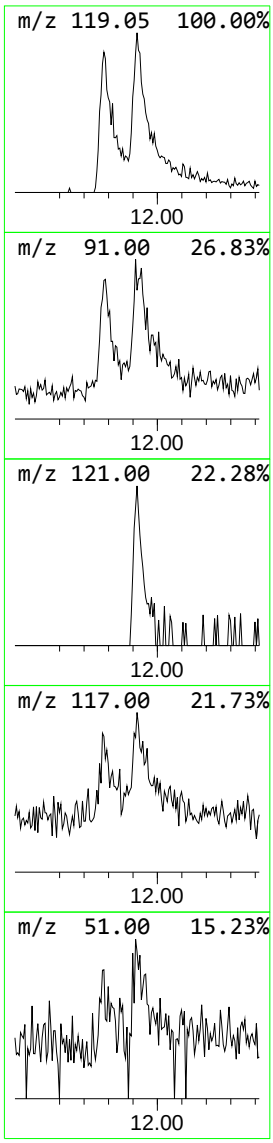
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 7-Methoxymethyl-2,7-dimethy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.917	5.02 ng	47092	Naphthalene-d8	11.270

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	59
2	p-Cymene	134	C10H14	000099-87-6	50
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

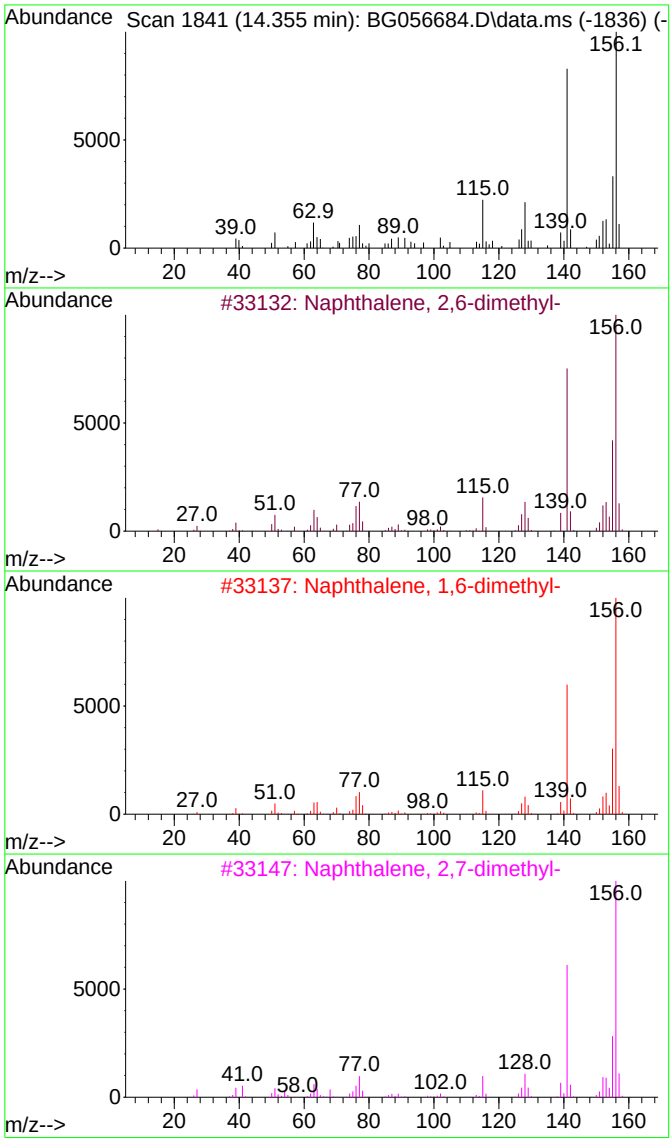
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

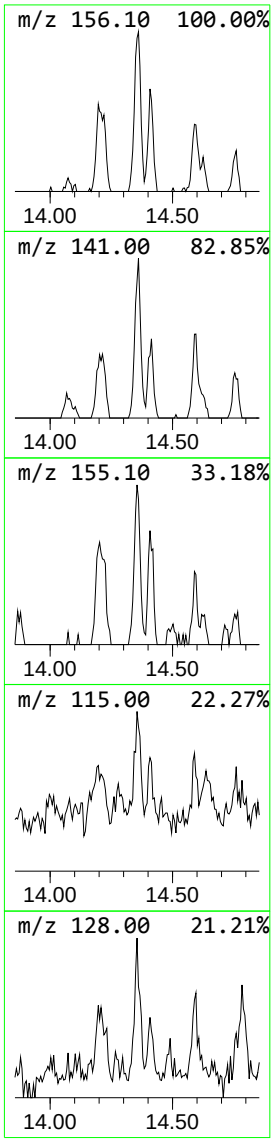
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.355	5.64 ng	73141	Acenaphthene-d10	15.037

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

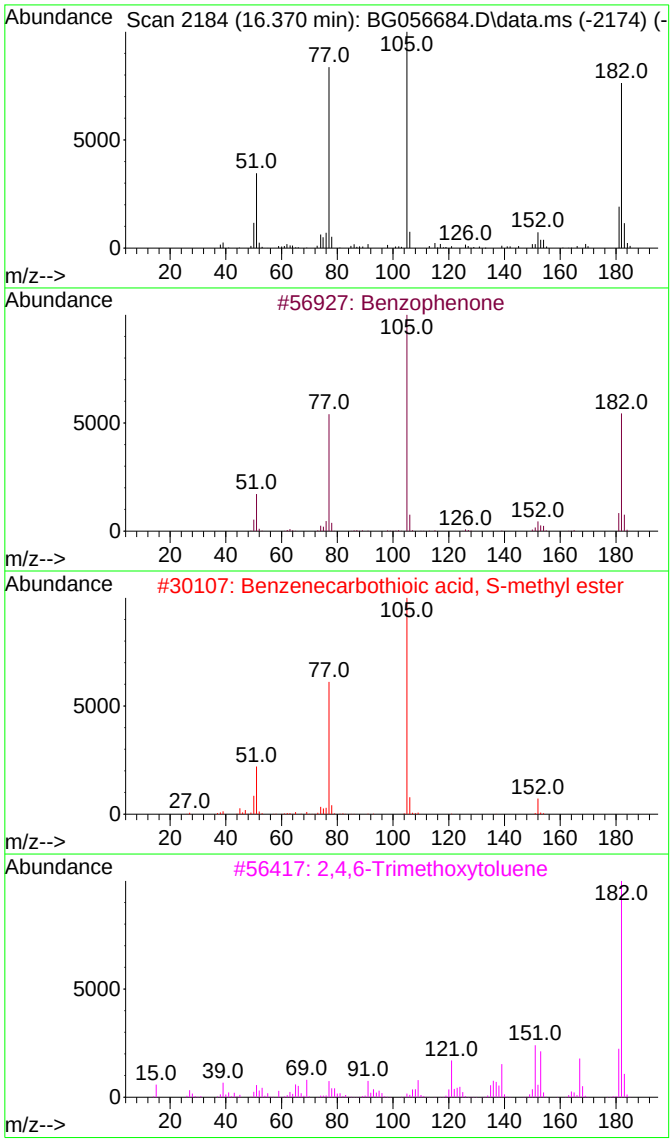
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

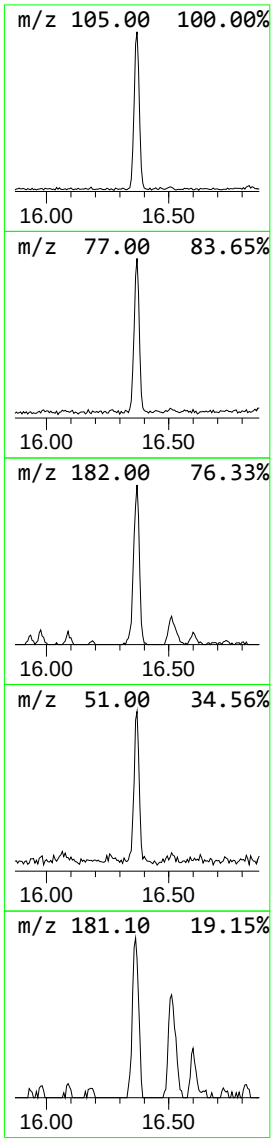
****

Peak Number 5 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.370	13.31 ng	172503	Acenaphthene-d10	15.037

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
3	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	38
4	Benzoylformic acid	150	C8H6O3	000611-73-4	38
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38





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Sample : 01552-03
Misc :
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ClientSampleId :
SB-01-4.0-6.0-DUP

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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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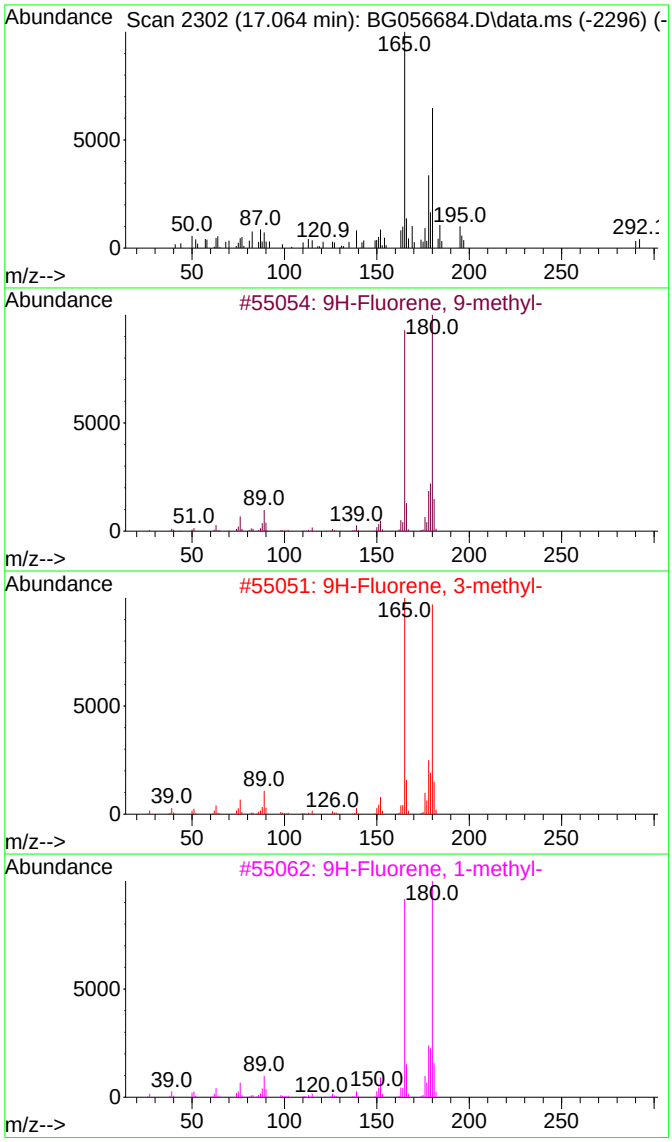
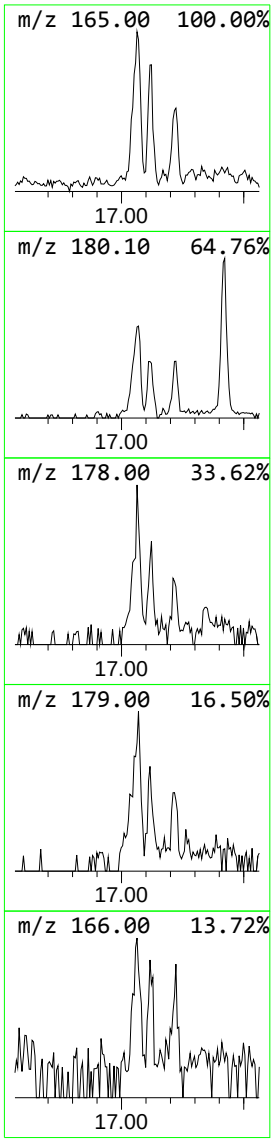
Peak Number 6 9H-Fluorene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.064	4.14 ng	60508	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	58
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	58
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	52
5	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	49





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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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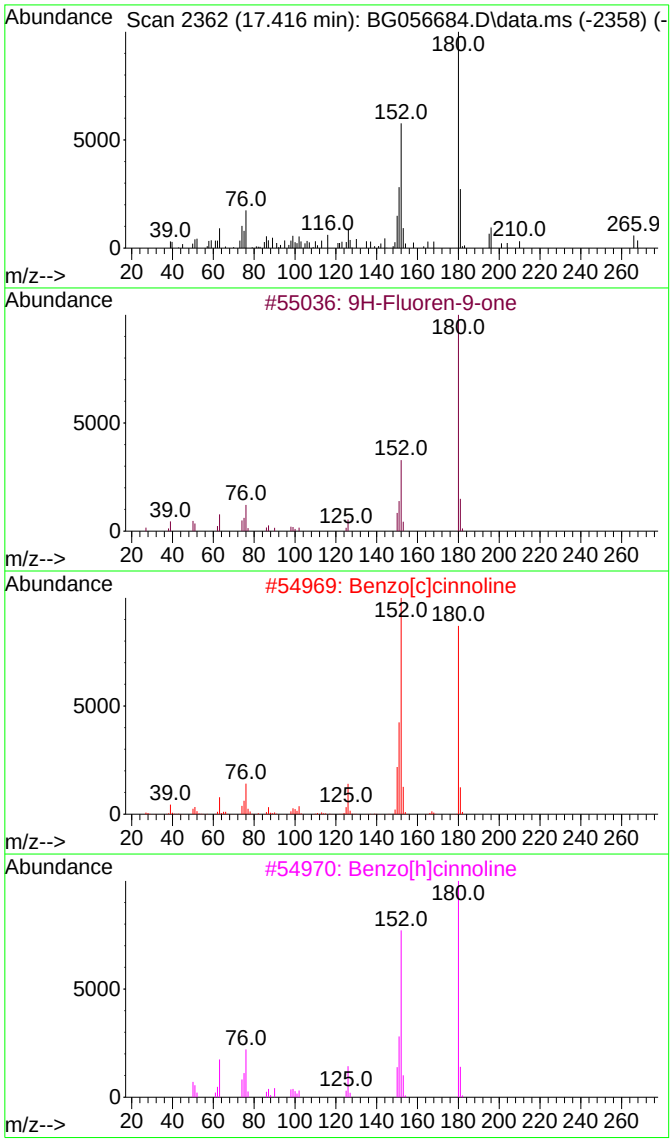
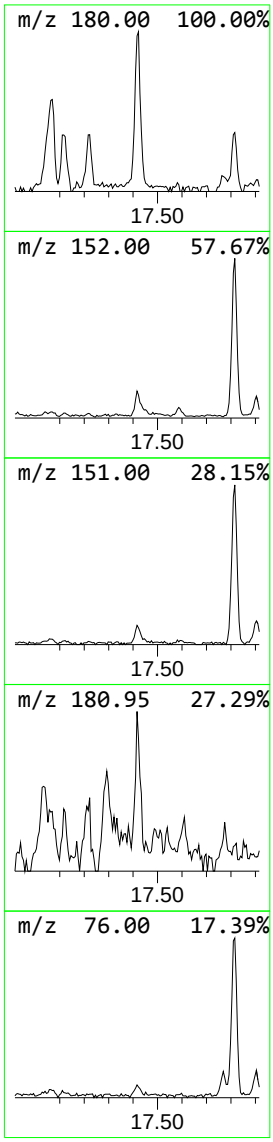
Peak Number 7 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.416	4.55 ng	66523	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
4	Diphenic anhydride	224	C14H8O3	006050-13-1	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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ClientSampleId :
SB-01-4.0-6.0-DUP

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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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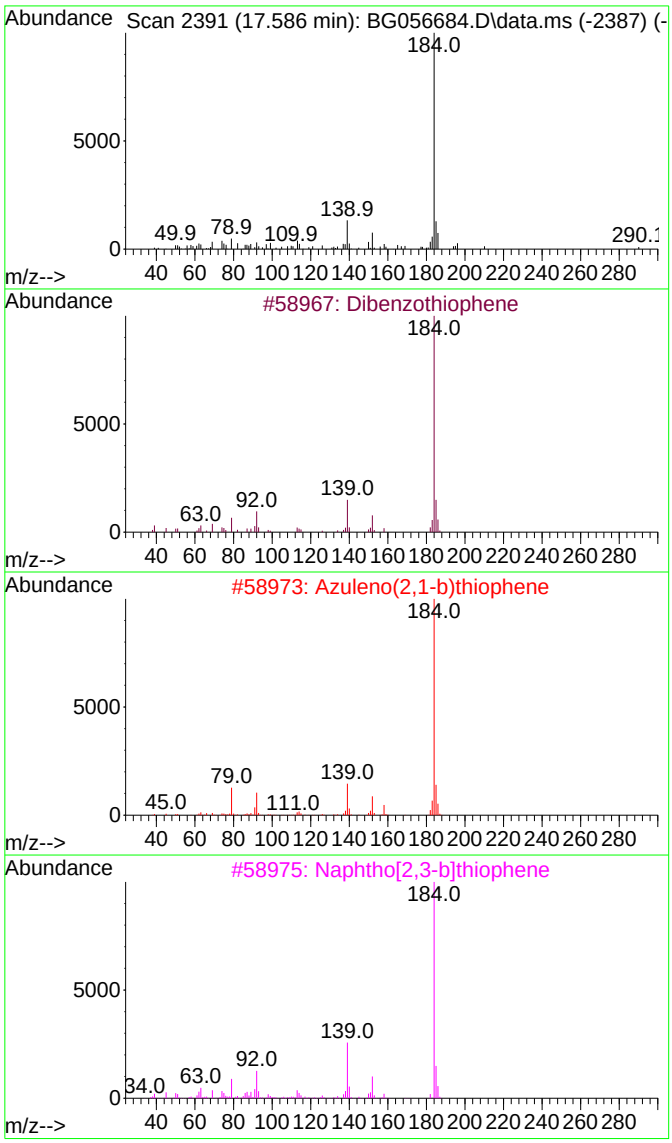
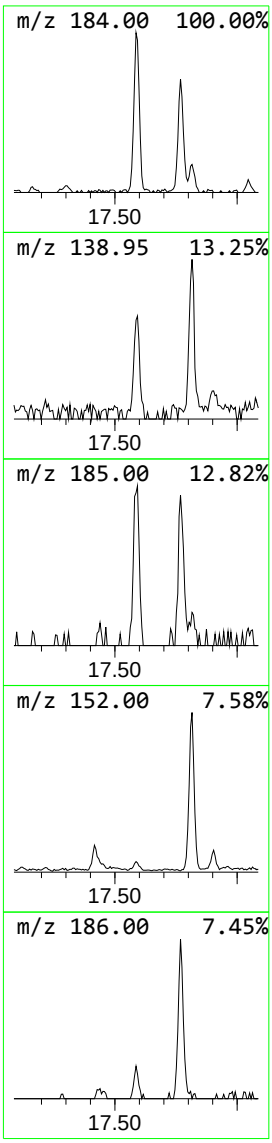
Peak Number 8 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.586	5.10 ng	74538	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	78
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	78





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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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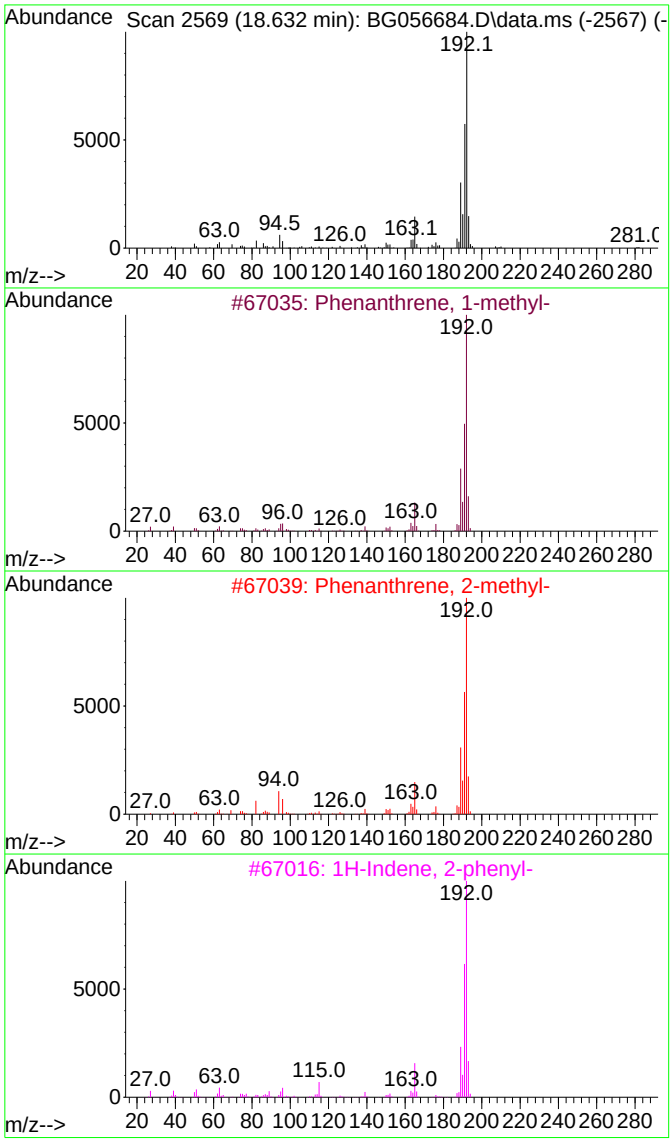
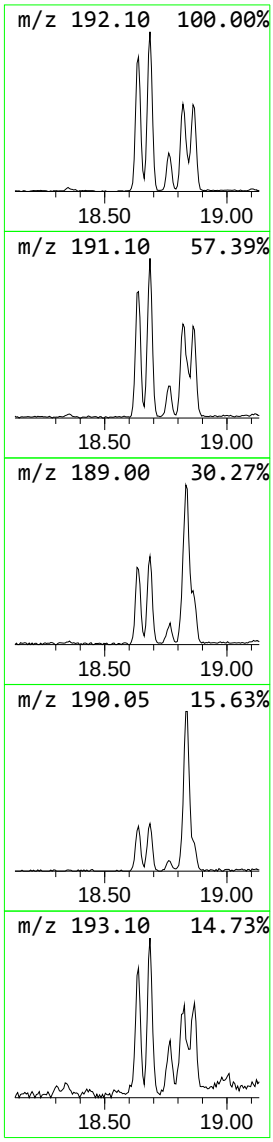
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.632	10.77 ng	157457	Phenanthrene-d10	17.769

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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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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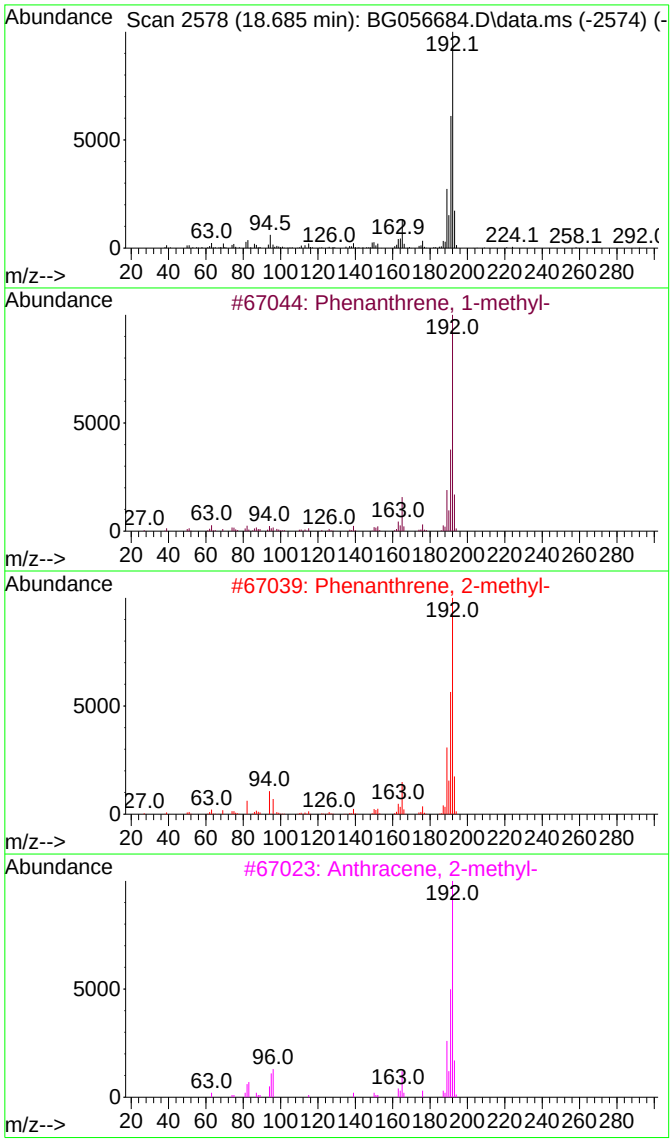
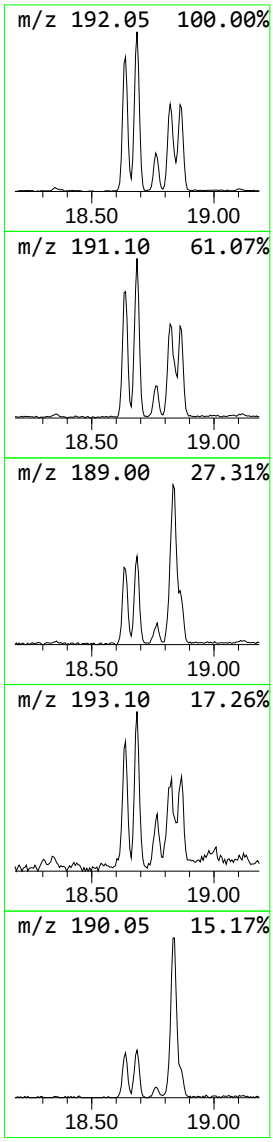
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.685	17.23 ng	251891	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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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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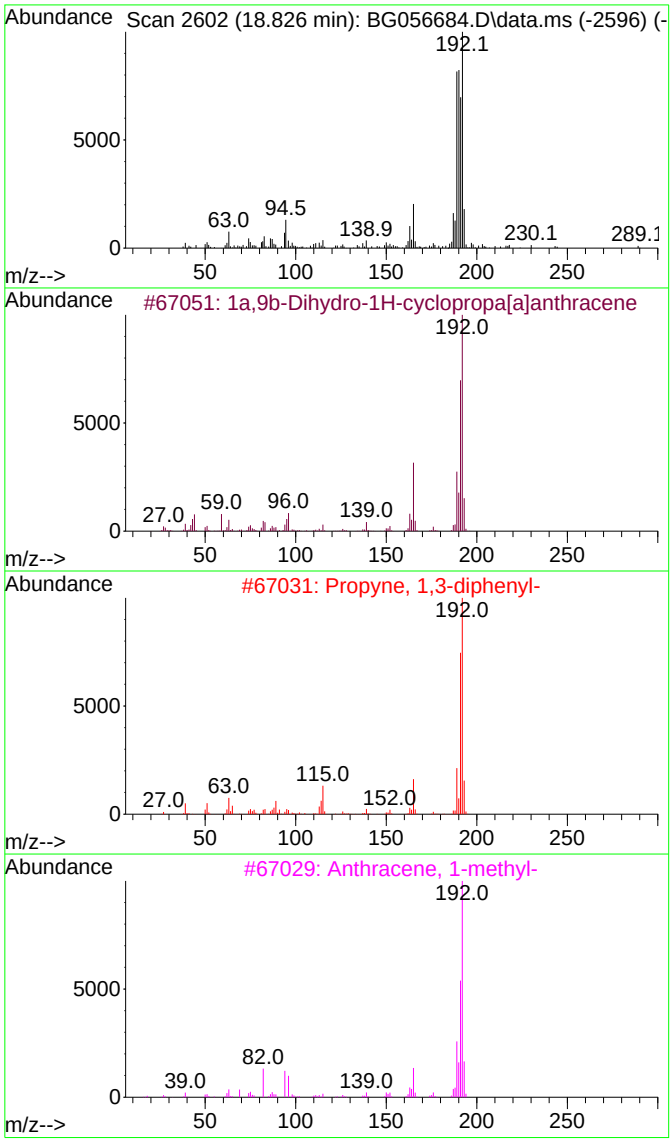
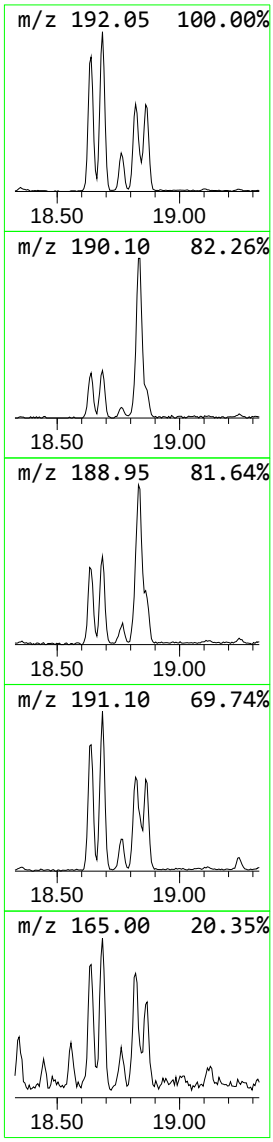
Peak Number 11 unknown18.826 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.826	20.62 ng	301448	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	46
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	45
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43





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

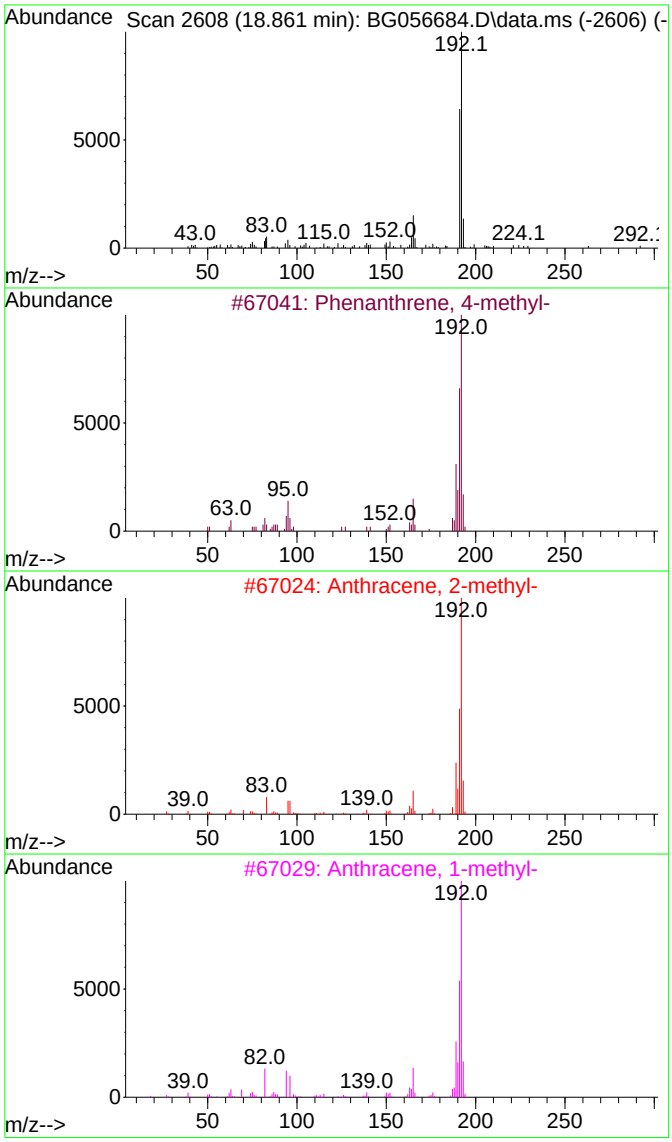
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

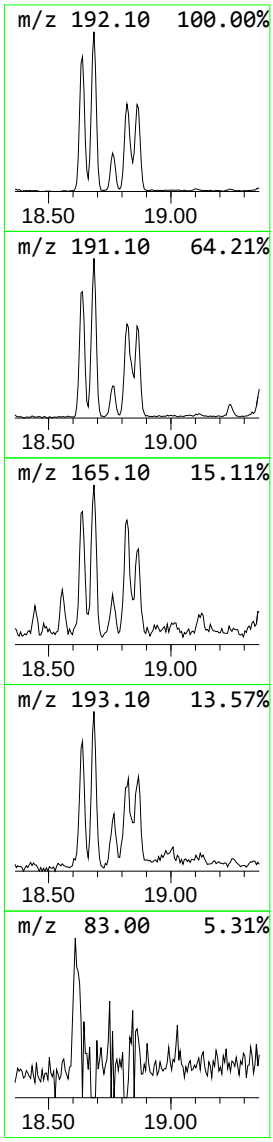
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.861	8.67 ng	126826	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	80





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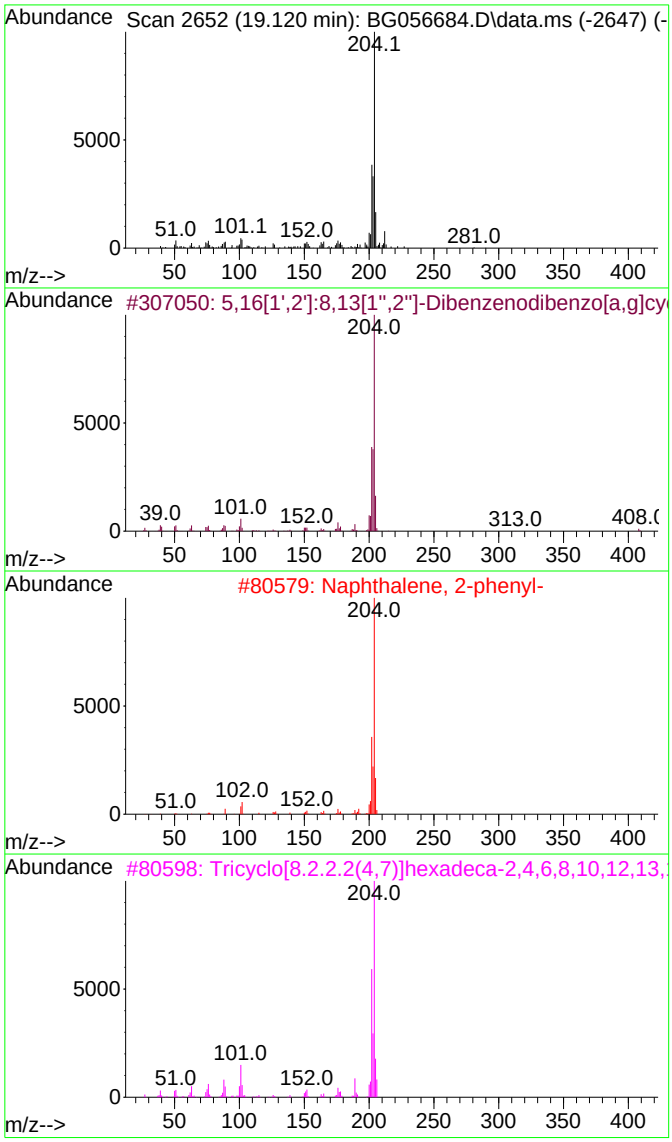
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

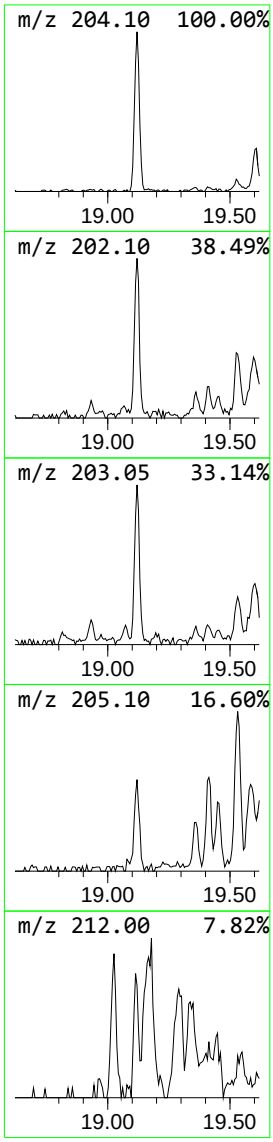
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.120	7.34 ng	107313	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





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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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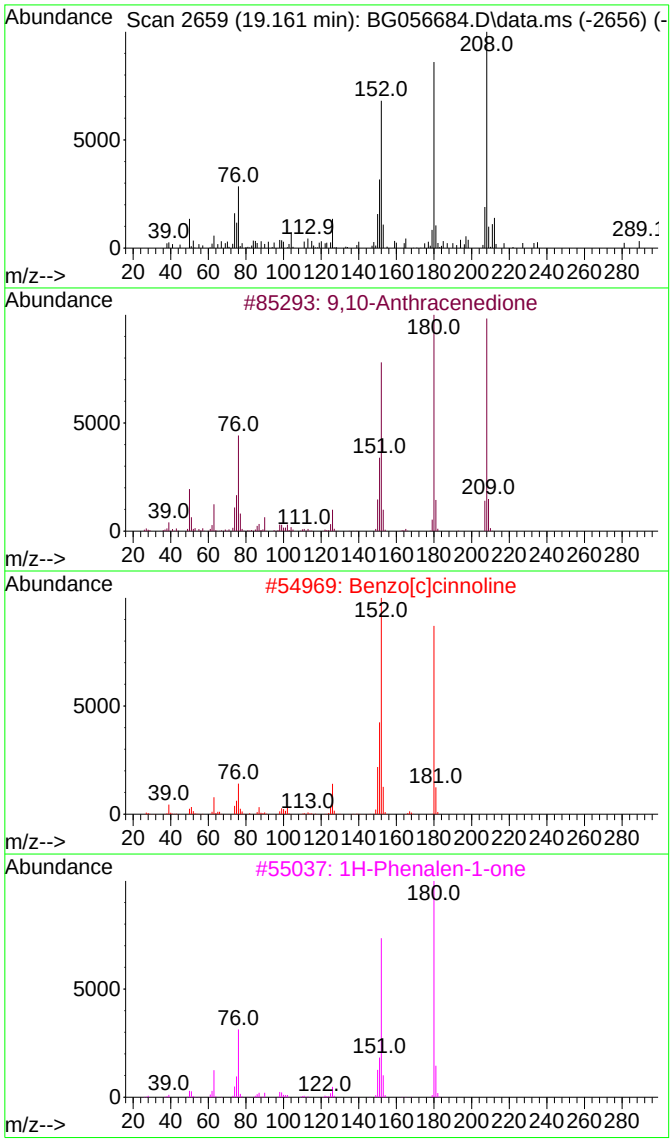
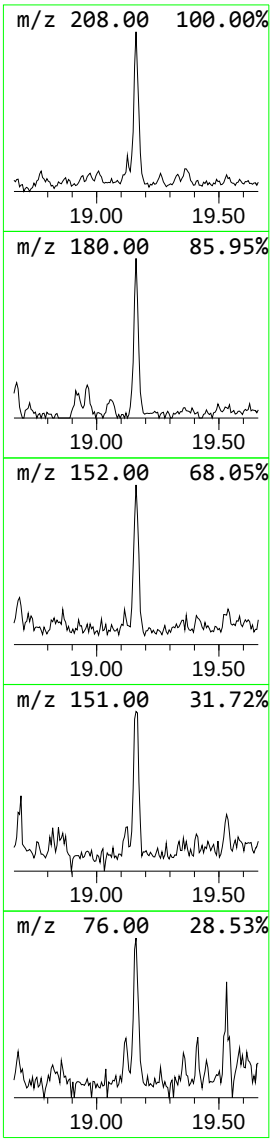
Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.161	6.07 ng	88692	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43





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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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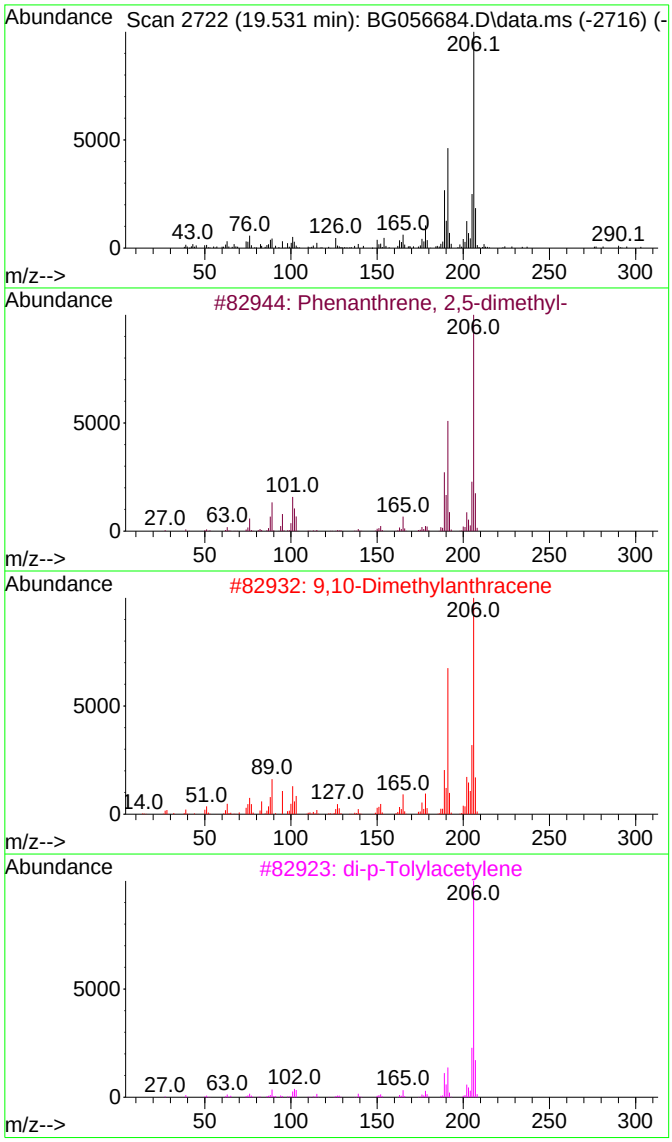
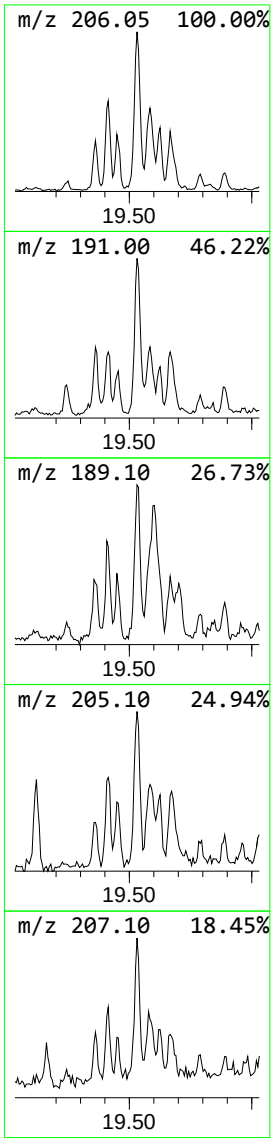
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.531	13.58 ng	198491	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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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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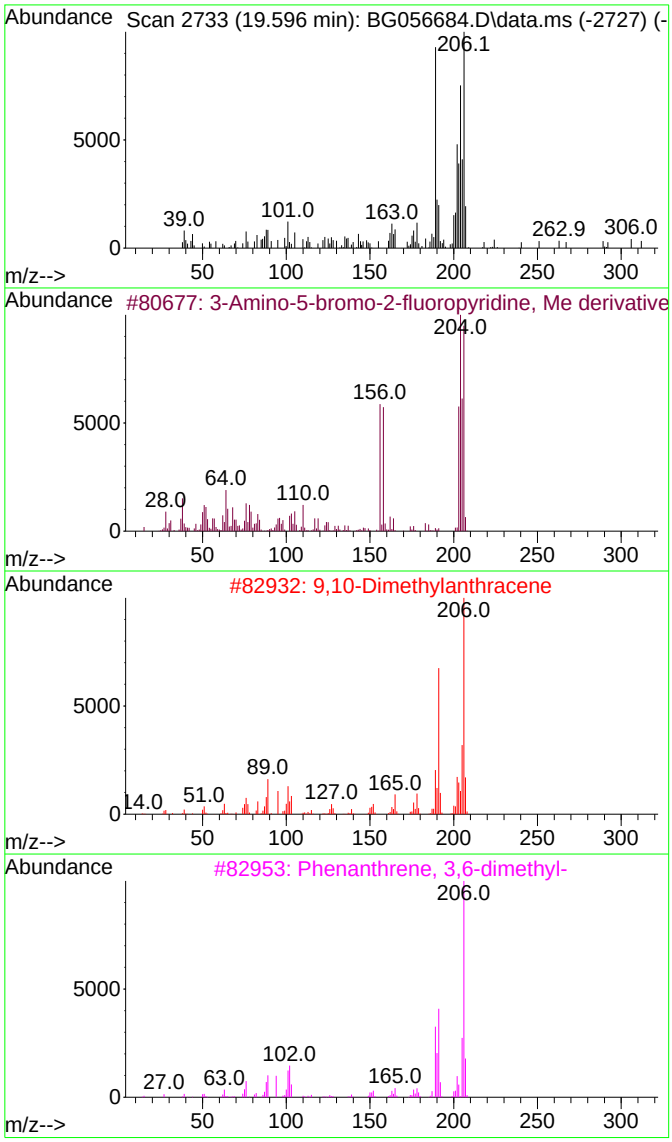
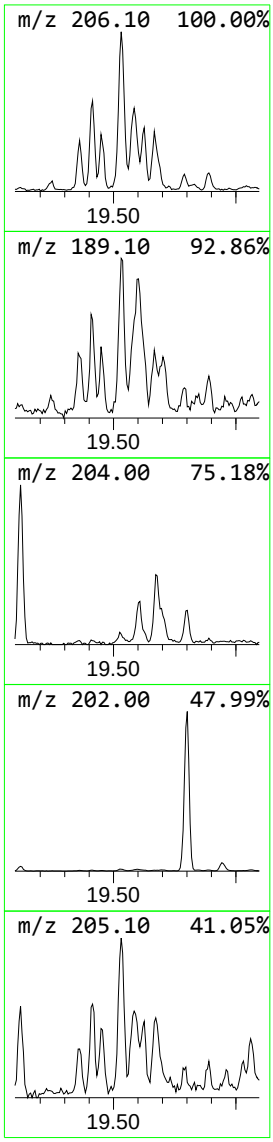
Peak Number 16 unknown19.596 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.596	6.40 ng	93611	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Amino-5-bromo-2-fluoropyridine...	204	C6H6BrFN2	1000496-58-8	41
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30





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Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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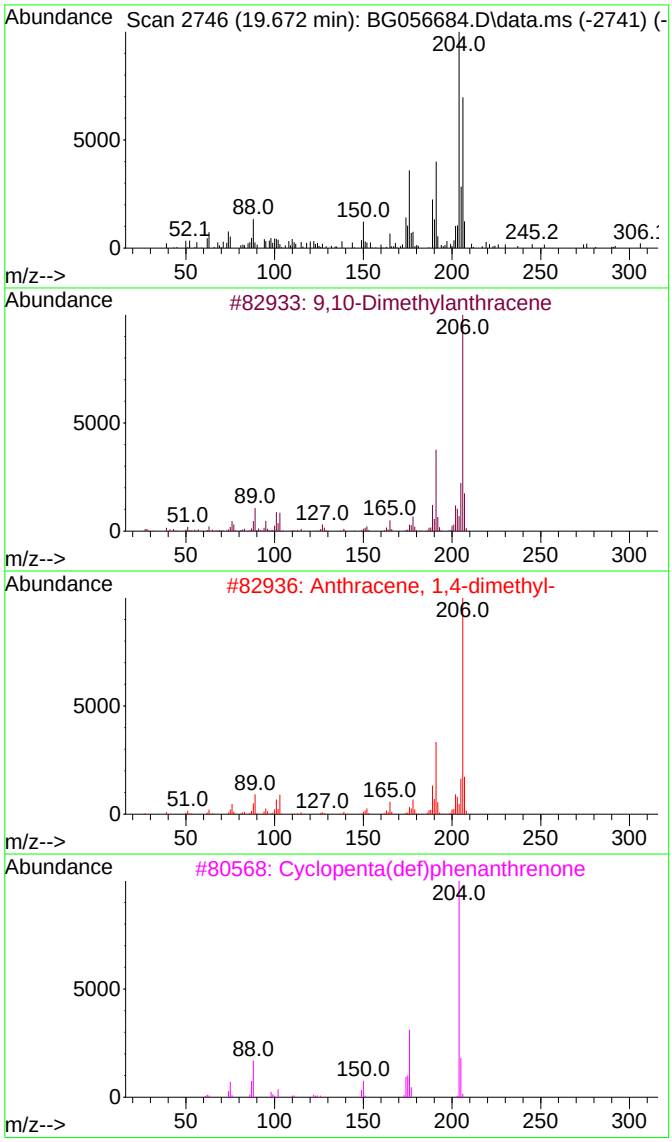
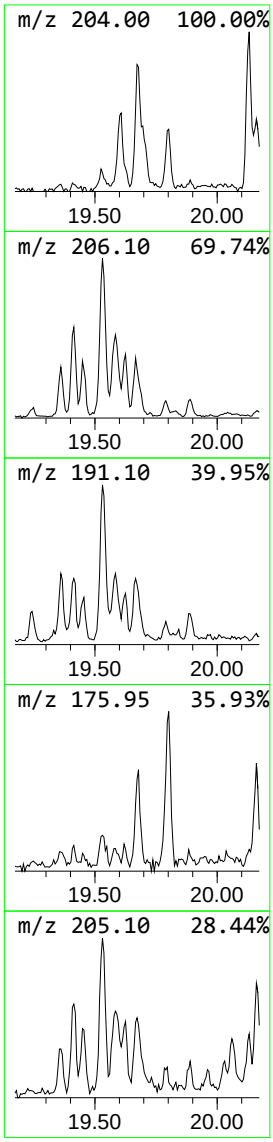
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.672	8.11 ng	118629	Phenanthrene-d10	17.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	45
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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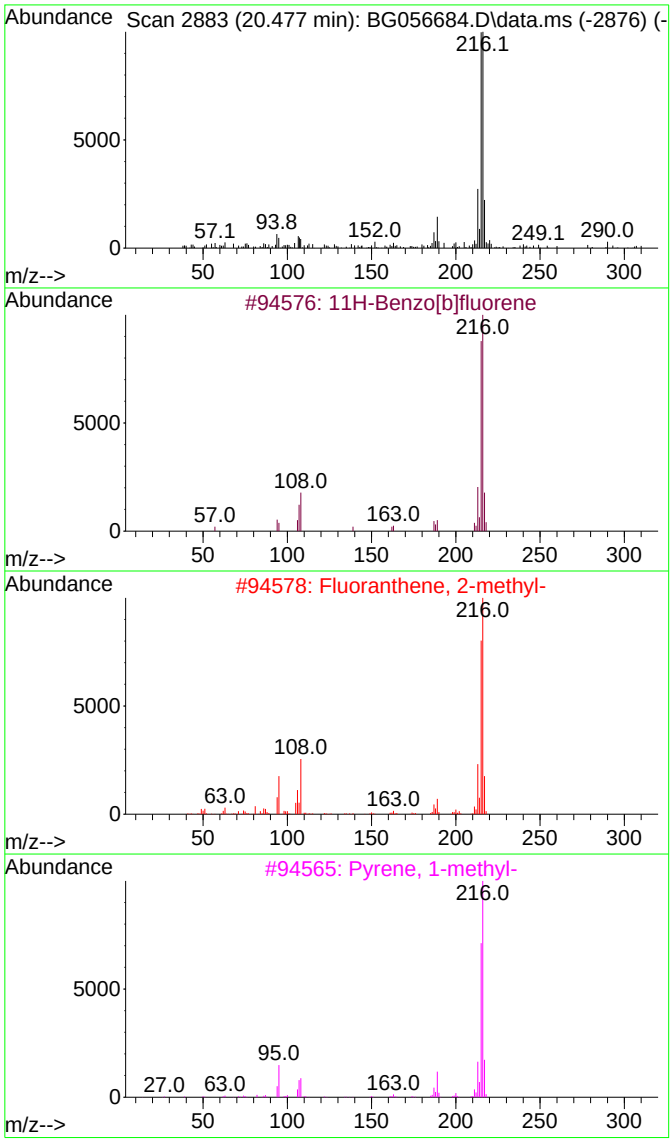
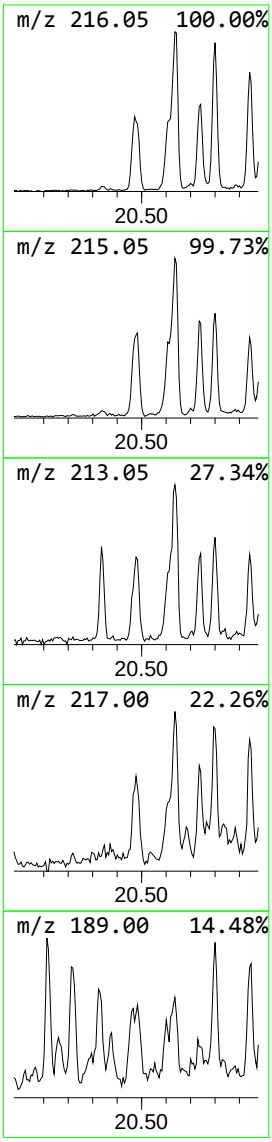
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.477	4.11 ng	172123	Chrysene-d12	22.087

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	78
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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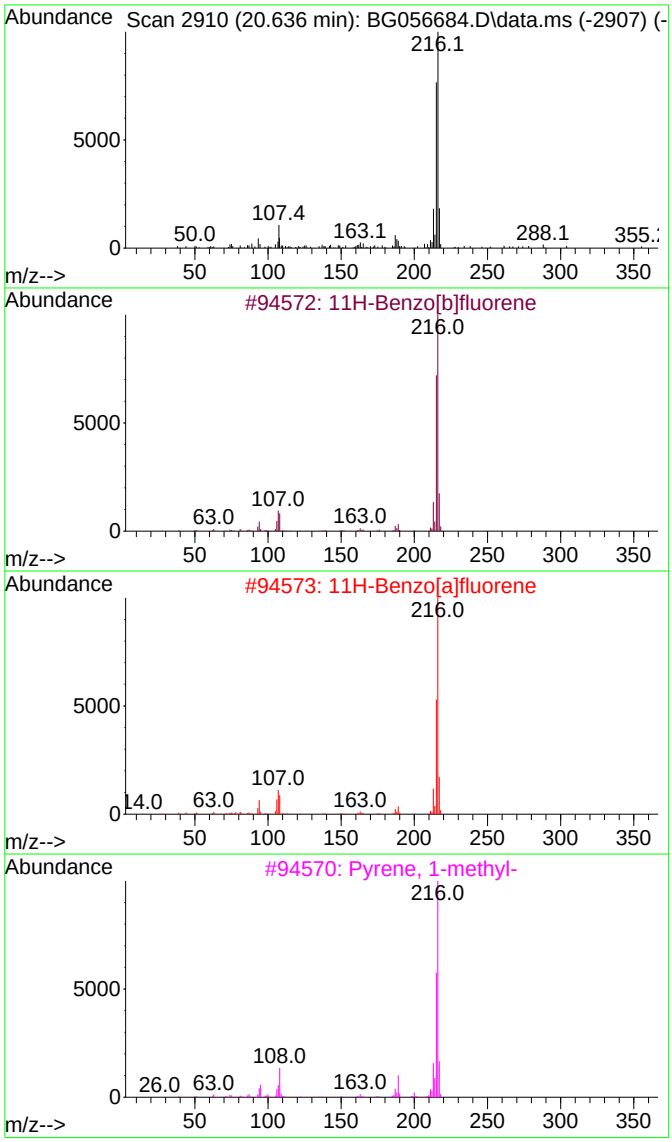
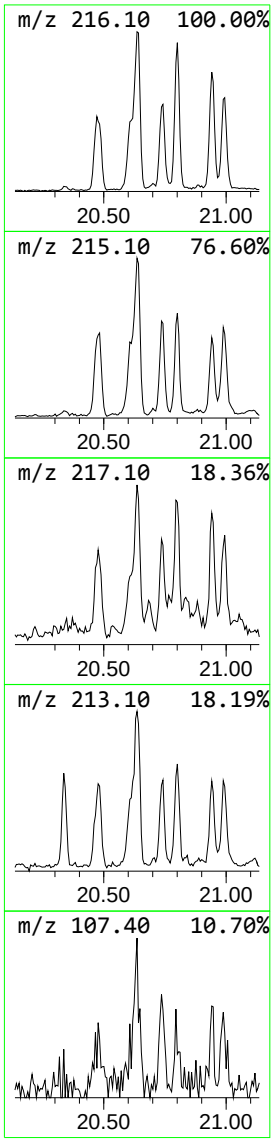
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.636	4.24 ng	177264	Chrysene-d12	22.087

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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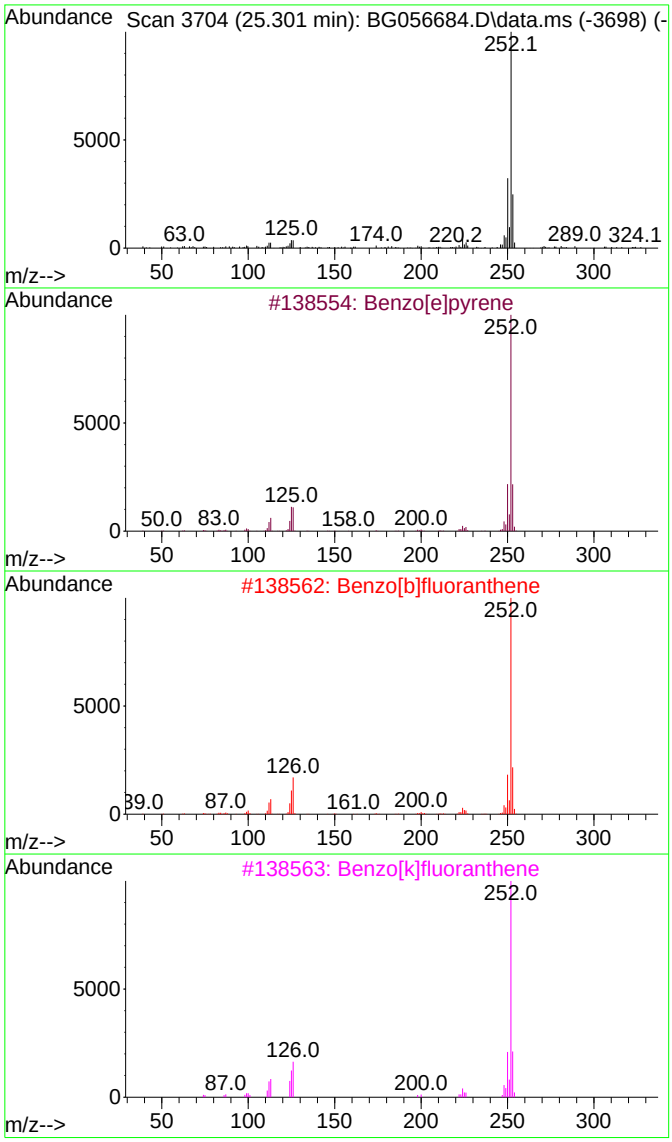
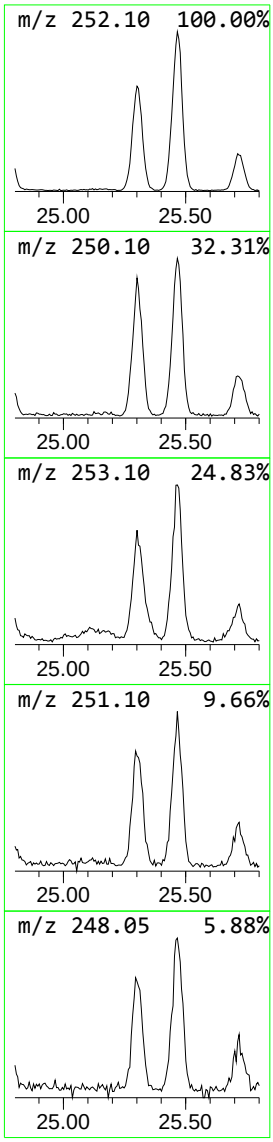
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.301	21.21 ng	271206	Perylene-d12	25.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056684.D
Acq On : 21 Feb 2023 14:19
Operator : CG/JU
Sample : 01552-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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
2-Pentanone, 4-...	5.465	38.3	ng	260637	1	8.432	136089	20.0
p-Cymene	11.781	4.5	ng	41828	2	11.270	187462	20.0
7-Methoxymethyl...	11.917	5.0	ng	47092	2	11.270	187462	20.0
Naphthalene, 2,...	14.355	5.6	ng	73141	3	15.037	259260	20.0
Benzophenone	16.370	13.3	ng	172503	3	15.037	259260	20.0
9H-Fluorene, 9-...	17.064	4.1	ng	60508	4	17.769	292413	20.0
9H-Fluoren-9-one	17.416	4.5	ng	66523	4	17.769	292413	20.0
Dibenzothiophene	17.586	5.1	ng	74538	4	17.769	292413	20.0
Phenanthrene, 1...	18.632	10.8	ng	157457	4	17.769	292413	20.0
Phenanthrene, 2...	18.685	17.2	ng	251891	4	17.769	292413	20.0
unknown18.826	18.826	20.6	ng	301448	4	17.769	292413	20.0
Phenanthrene, 4...	18.861	8.7	ng	126826	4	17.769	292413	20.0
5,16[1',2']:8,1...	19.120	7.3	ng	107313	4	17.769	292413	20.0
9,10-Anthracene...	19.161	6.1	ng	88692	4	17.769	292413	20.0
Phenanthrene, 2...	19.531	13.6	ng	198491	4	17.769	292413	20.0
unknown19.596	19.596	6.4	ng	93611	4	17.769	292413	20.0
9,10-Dimethylan...	19.672	8.1	ng	118629	4	17.769	292413	20.0
11H-Benzo[b]flu...	20.477	4.1	ng	172123	5	22.087	836613	20.0
11H-Benzo[a]flu...	20.636	4.2	ng	177264	5	22.087	836613	20.0
Benzo[e]pyrene	25.301	21.2	ng	271206	6	25.636	255711	20.0