

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054845.D
 Acq On : 2 Sep 2022 18:17
 Operator : CG/JU
 Sample : N4485-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AP-PIPE-2-SOIL

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-BG082522.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054845.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.208	321	327	337	rBV	160294	265756	1.97%	0.214%
2	5.690	402	409	430	rBV	724808	1206087	8.93%	0.969%
3	7.306	674	684	699	rBV	705476	1302963	9.65%	1.047%
4	8.152	821	828	840	rVB	173474	307865	2.28%	0.247%
5	9.321	1019	1027	1038	rBV	439663	809347	5.99%	0.651%
6	10.972	1301	1308	1312	rBV	237432	443417	3.28%	0.356%
7	11.025	1312	1317	1326	rVB	575282	1065806	7.89%	0.857%
8	12.623	1582	1589	1597	rVB	829782	1380323	10.22%	1.109%
9	12.841	1618	1626	1633	rVB	1067706	1817245	13.46%	1.461%
10	13.405	1714	1722	1729	rVB	1177266	1853578	13.73%	1.490%
11	13.616	1742	1758	1770	rBV	465452	807839	5.98%	0.649%
12	13.787	1777	1787	1789	rBV3	73964	179396	1.33%	0.144%
13	13.963	1807	1817	1823	rVB	234477	596713	4.42%	0.480%
14	14.104	1832	1841	1846	rBV	575647	1079715	8.00%	0.868%
15	14.157	1846	1850	1860	rVB2	297009	506724	3.75%	0.407%
16	14.339	1875	1881	1885	rBV	264052	444510	3.29%	0.357%
17	14.509	1900	1910	1923	rBV2	244592	528298	3.91%	0.425%
18	14.744	1944	1950	1953	rBV	375444	600924	4.45%	0.483%
19	14.780	1953	1956	1961	rVV	359764	591632	4.38%	0.476%
20	14.850	1962	1968	1974	rVB2	397757	730846	5.41%	0.587%
21	14.985	1985	1991	1999	rBV3	61312	154292	1.14%	0.124%
22	15.073	1999	2006	2011	rBV4	58697	162347	1.20%	0.130%
23	15.173	2018	2023	2030	rVB2	127201	227288	1.68%	0.183%
24	15.250	2030	2036	2044	rVB2	115276	221408	1.64%	0.178%
25	15.391	2053	2060	2065	rBV2	98012	188503	1.40%	0.152%
26	15.561	2081	2089	2092	rBV	73475	169933	1.26%	0.137%
27	15.696	2108	2112	2116	rBV	84580	135141	1.00%	0.109%
28	15.831	2128	2135	2146	rVB	1100192	1849911	13.70%	1.487%
29	15.955	2152	2156	2159	rVV	167903	295867	2.19%	0.238%
30	15.990	2159	2162	2166	rVV3	112202	164553	1.22%	0.132%
31	16.102	2174	2181	2189	rVB7	78114	215883	1.60%	0.174%
32	16.272	2203	2210	2217	rVB	791227	1254286	9.29%	1.008%
33	16.501	2244	2249	2253	rVV4	140689	283292	2.10%	0.228%
34	16.830	2293	2305	2309	rBV2	331961	865212	6.41%	0.695%
35	16.877	2309	2313	2319	rVB2	250724	376200	2.79%	0.302%
36	16.977	2325	2330	2335	rVB	199831	303492	2.25%	0.244%

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37	17.183	2360	2365	2371	rVB	425394	673174	4.98%	0.541%
38	17.347	2389	2393	2398	rVB	100861	146993	1.09%	0.118%
39	17.535	2419	2425	2427	rBV	314888	538022	3.98%	0.432%
40	17.594	2427	2435	2443	rVB	5995068	12954368	95.93%	10.412%

41	17.670	2443	2448	2452	rBV	192485	322548	2.39%	0.259%
42	18.046	2506	2512	2518	rVV	1225901	1760328	13.03%	1.415%
43	18.117	2519	2524	2529	rVB2	231486	347859	2.58%	0.280%
44	18.223	2538	2542	2554	rVB4	104406	316871	2.35%	0.255%
45	18.334	2555	2561	2566	rBV3	118633	237995	1.76%	0.191%

46	18.411	2568	2574	2578	rVV	1455179	2325613	17.22%	1.869%
47	18.458	2578	2582	2587	rVB	1534033	2198855	16.28%	1.767%
48	18.605	2600	2607	2611	rBV3	1951784	4083263	30.24%	3.282%
49	18.640	2611	2613	2618	rVV	1100823	1243095	9.20%	0.999%
50	18.710	2621	2625	2629	rVB	147235	198313	1.47%	0.159%

51	18.904	2652	2658	2662	rVV	2568826	3808636	28.20%	3.061%
52	18.951	2662	2666	2674	rVB2	595116	985872	7.30%	0.792%
53	19.022	2675	2678	2682	rBV2	91340	141824	1.05%	0.114%
54	19.139	2691	2698	2703	rBV3	305650	560214	4.15%	0.450%
55	19.192	2703	2707	2711	rVV	211026	310010	2.30%	0.249%

56	19.233	2711	2714	2717	rVB	120742	146552	1.09%	0.118%
57	19.315	2722	2728	2732	rBV	601392	1041827	7.71%	0.837%
58	19.468	2747	2754	2762	rBV4	536373	1247962	9.24%	1.003%
59	19.592	2767	2775	2780	rVV	4735861	8519649	63.09%	6.848%
60	19.639	2780	2783	2786	rVV	355127	470311	3.48%	0.378%

61	19.674	2786	2789	2795	rVB	265989	421675	3.12%	0.339%
62	19.780	2803	2807	2811	rVB2	160533	250085	1.85%	0.201%
63	19.968	2828	2839	2843	rBV	6246610	13504634	100.00%	10.855%
64	20.009	2843	2846	2851	rVB	229752	325917	2.41%	0.262%
65	20.132	2862	2867	2871	rBV	1644441	2206511	16.34%	1.774%

66	20.167	2871	2873	2879	rVB2	189914	227467	1.68%	0.183%
67	20.267	2884	2890	2896	rVV2	635521	1344545	9.96%	1.081%
68	20.432	2908	2918	2923	rVB2	1290254	2951231	21.85%	2.372%
69	20.532	2930	2935	2939	rBV	1029154	1457997	10.80%	1.172%
70	20.596	2940	2946	2950	rVV	1182728	1715141	12.70%	1.379%

71	20.731	2964	2969	2973	rBV	1100303	1556979	11.53%	1.251%
72	20.778	2973	2977	2984	rVB2	1217259	1689186	12.51%	1.358%
73	21.207	3046	3050	3056	rVB	563728	951680	7.05%	0.765%
74	21.437	3085	3089	3094	rVB	923760	1439055	10.66%	1.157%
75	21.489	3094	3098	3102	rVV	659627	940710	6.97%	0.756%

76	21.554	3106	3109	3116	rVB	376437	616267	4.56%	0.495%
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77	21.818	3147	3154	3159	rBV2	1919296	4328447	32.05%	3.479%
78	21.889	3160	3166	3171	rVB	2877416	5479082	40.57%	4.404%
79	22.042	3188	3192	3198	rVB2	279674	469038	3.47%	0.377%
80	22.106	3199	3203	3208	rBV	231266	393806	2.92%	0.317%
81	22.588	3281	3285	3291	rVB	404311	696866	5.16%	0.560%
82	22.764	3310	3315	3320	rBV2	325855	583131	4.32%	0.469%
83	22.876	3330	3334	3336	rBV	266053	414560	3.07%	0.333%
84	23.023	3355	3359	3372	rVB	359973	792671	5.87%	0.637%
85	24.151	3541	3551	3558	rBV2	1191505	4659230	34.50%	3.745%
86	24.915	3671	3681	3695	rVB	944155	3087242	22.86%	2.481%
87	25.073	3698	3708	3719	rVV	1248743	3944587	29.21%	3.171%

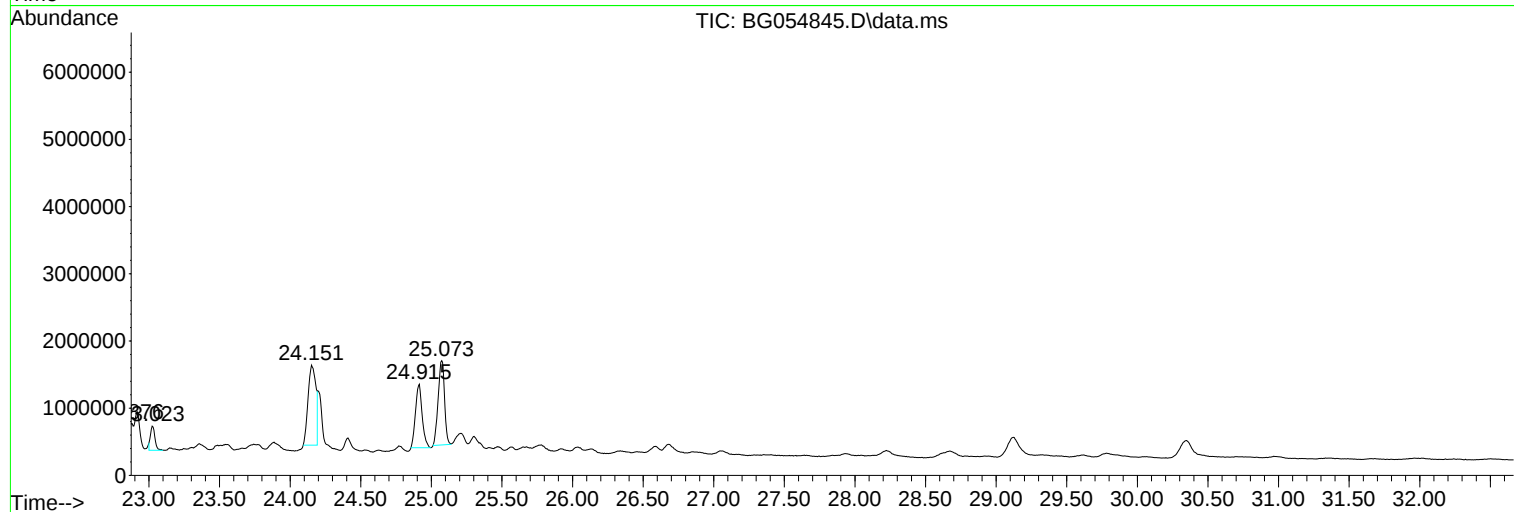
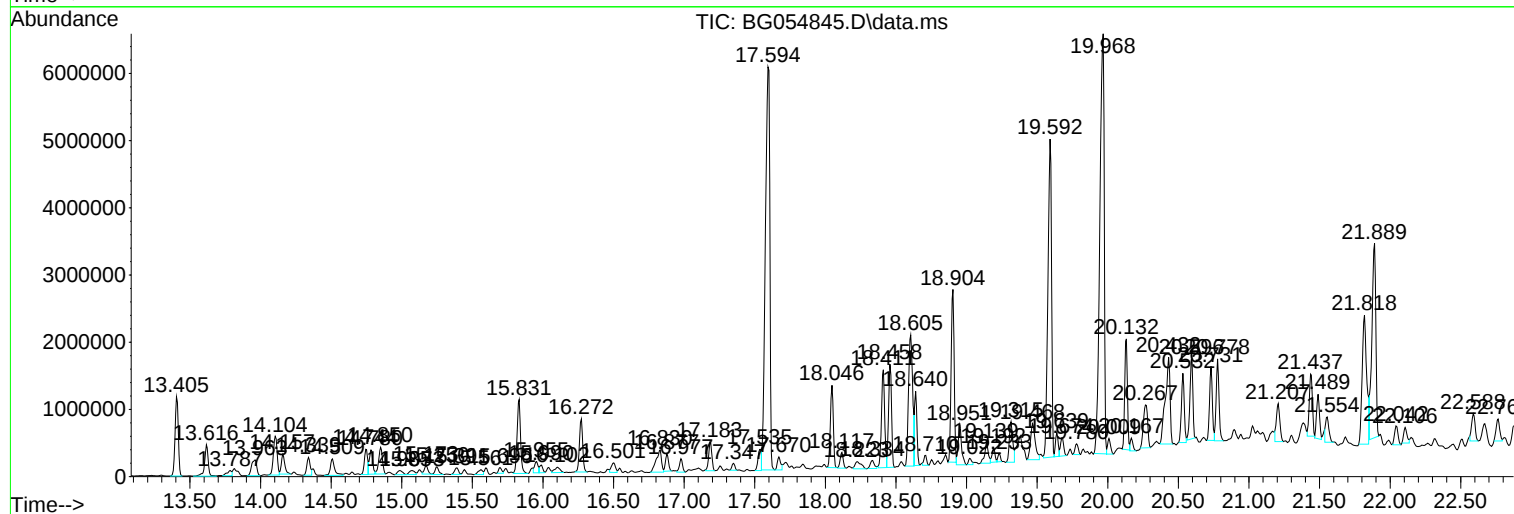
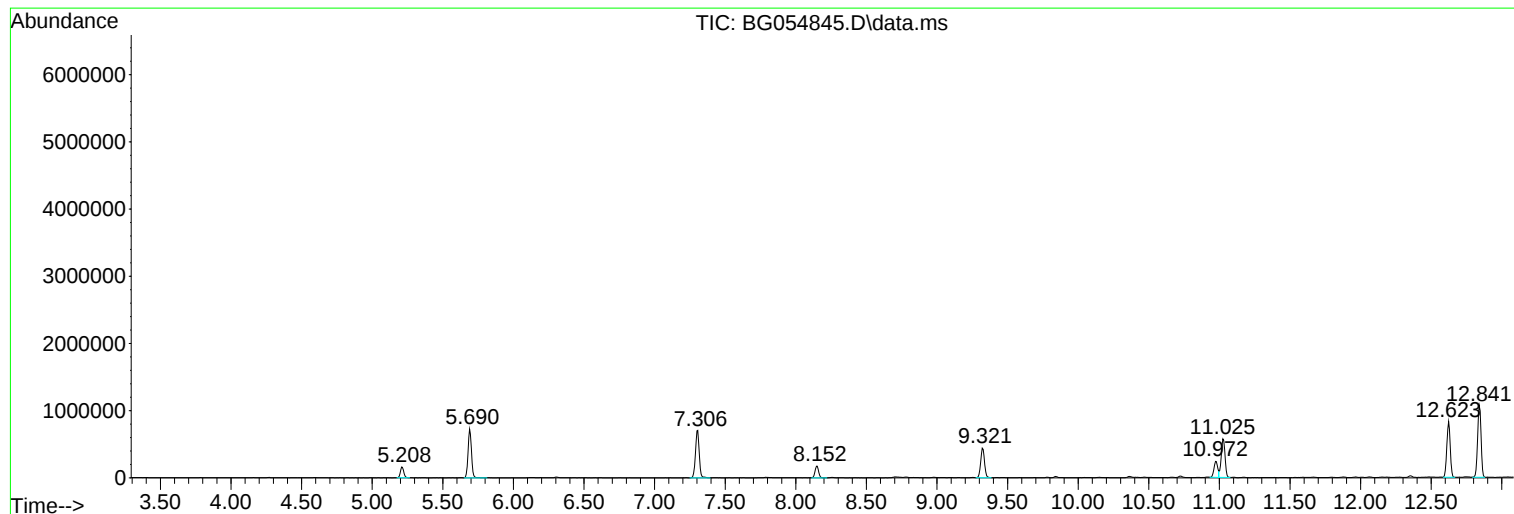
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Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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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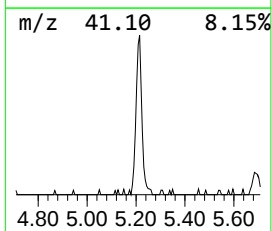
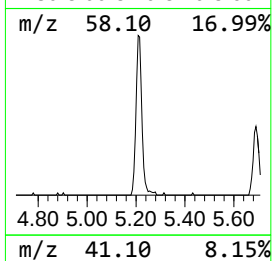
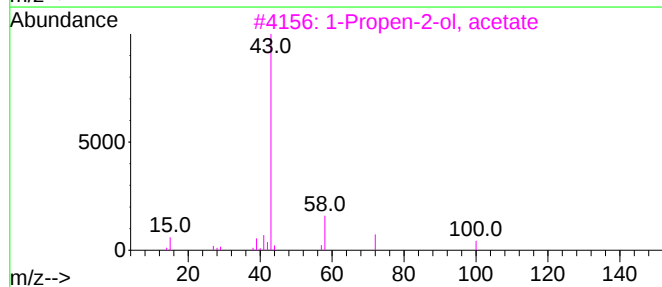
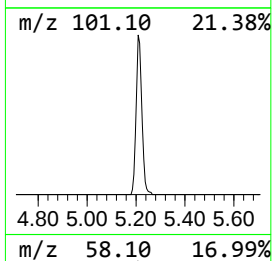
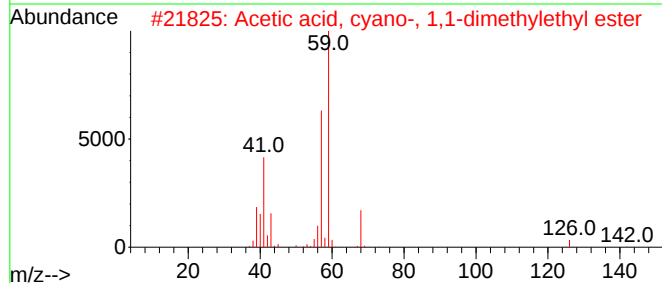
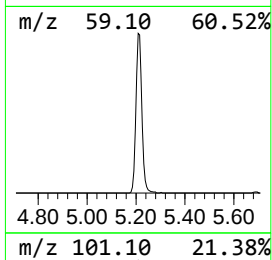
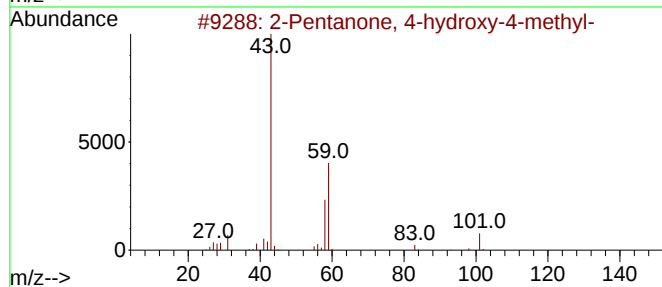
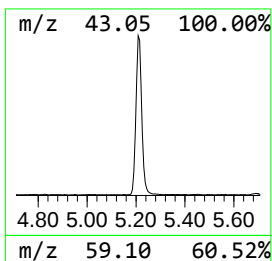
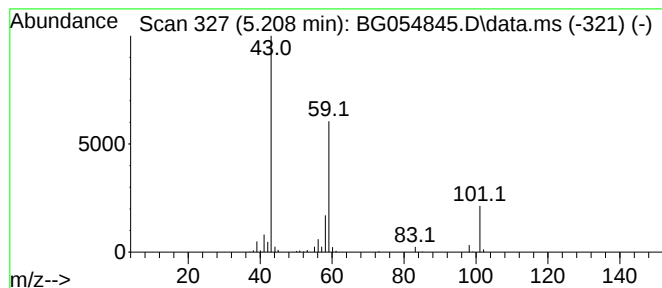
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.208	17.26 ng	265756	1,4-Dichlorobenzene-d4	8.152

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			Guanidine	59	CH5N3	000113-00-8	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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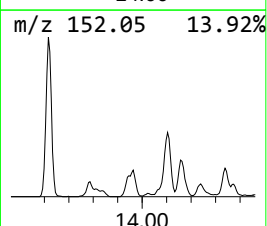
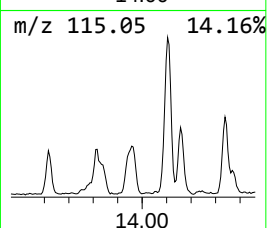
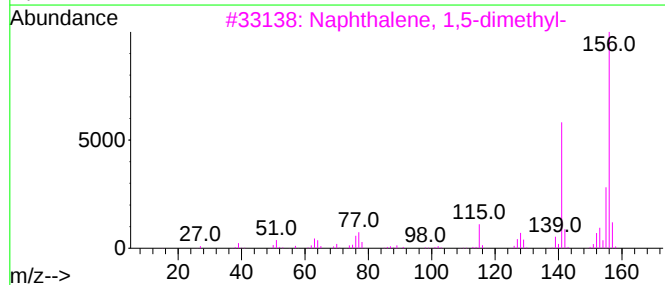
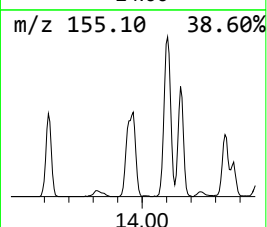
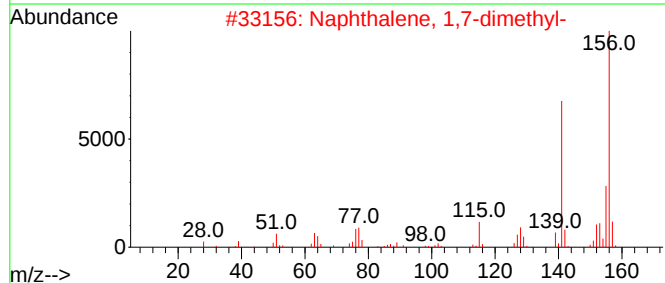
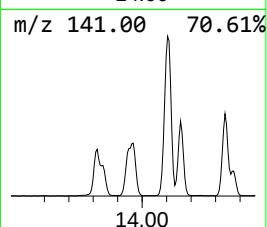
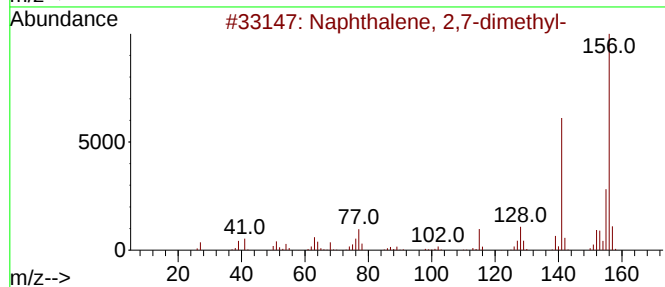
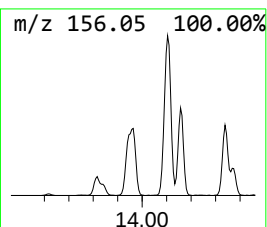
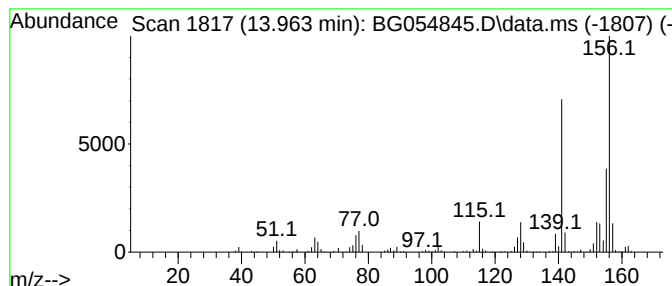
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.963	20.17 ng	596713	Acenaphthene-d10	14.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



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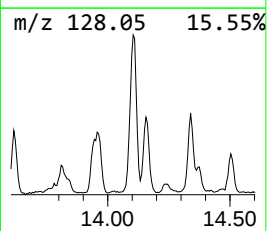
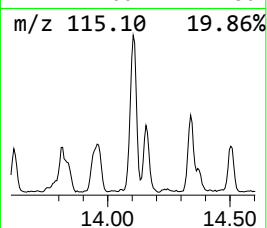
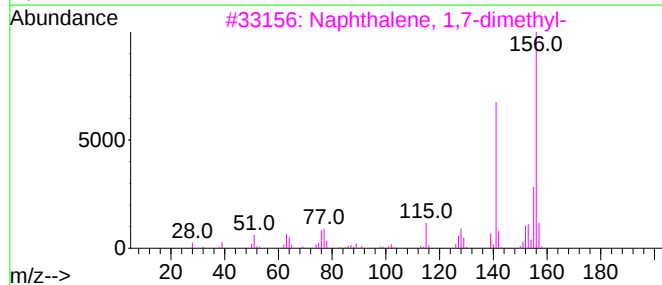
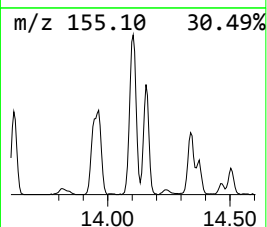
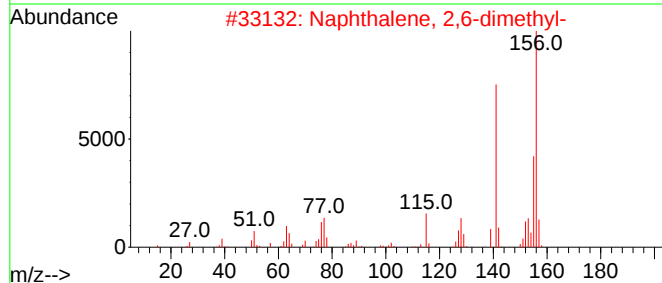
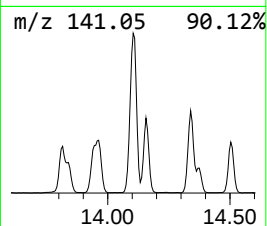
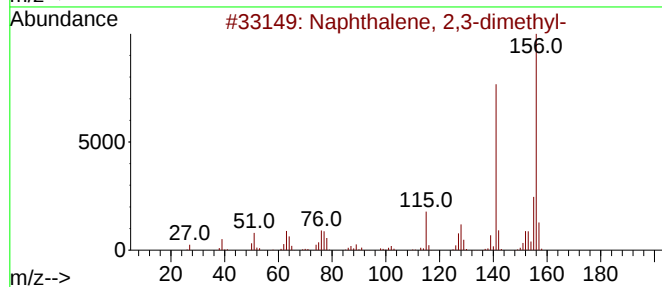
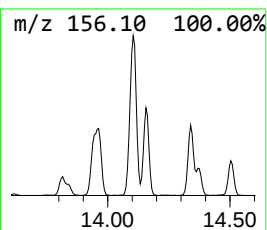
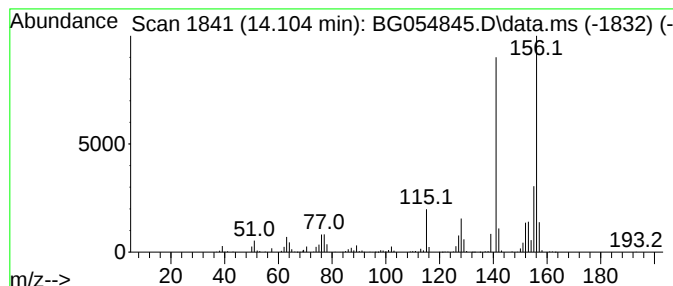
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.104	36.50 ng	1079720	Acenaphthene-d10	14.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

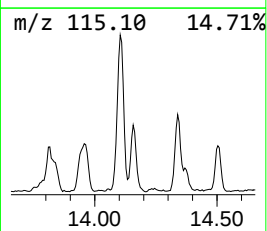
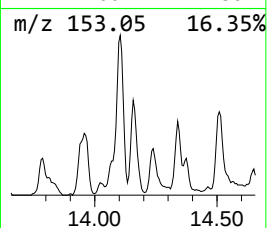
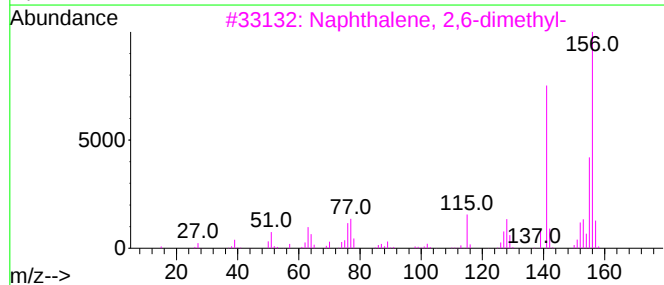
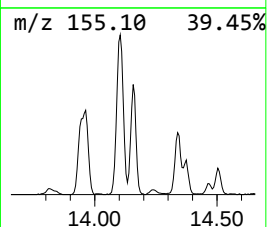
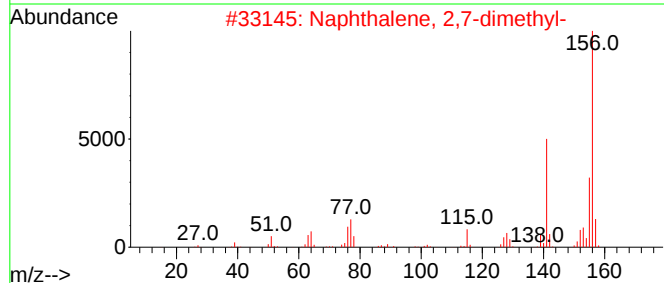
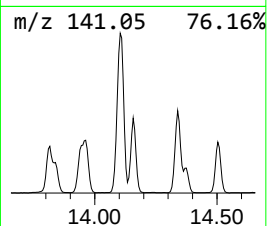
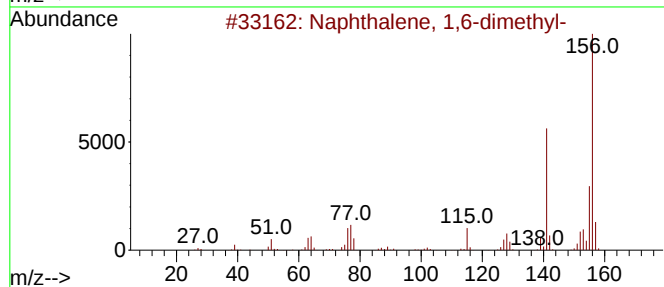
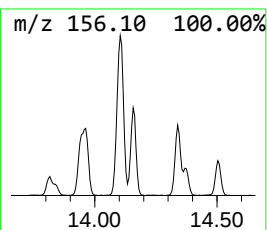
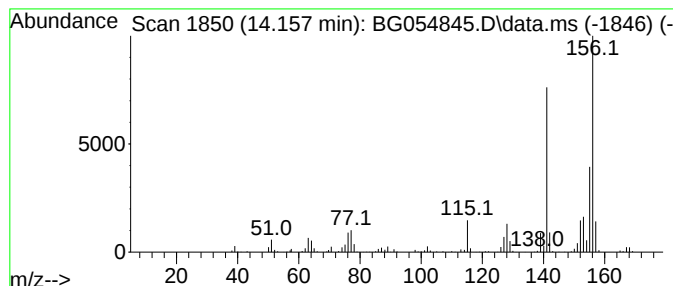
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.157	17.13 ng	506724	Acenaphthene-d10	14.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

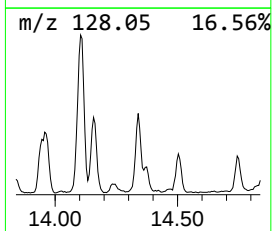
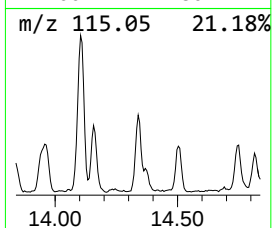
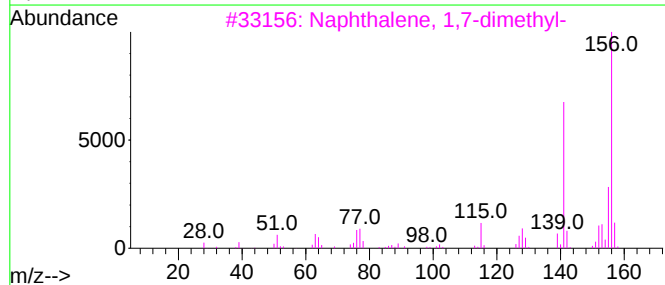
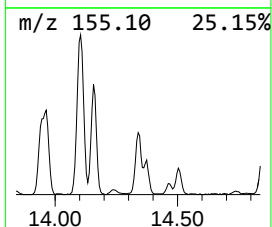
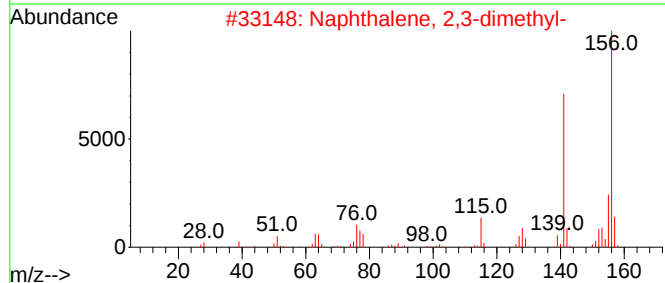
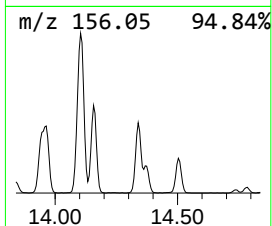
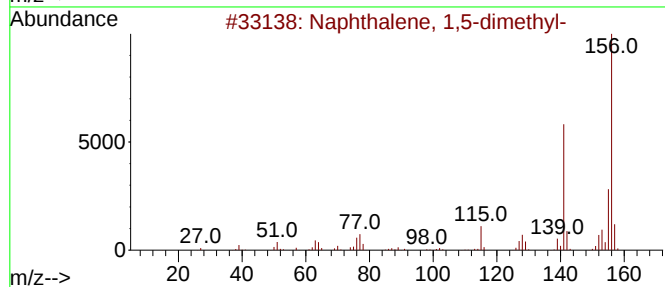
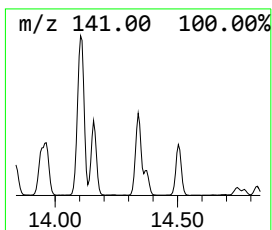
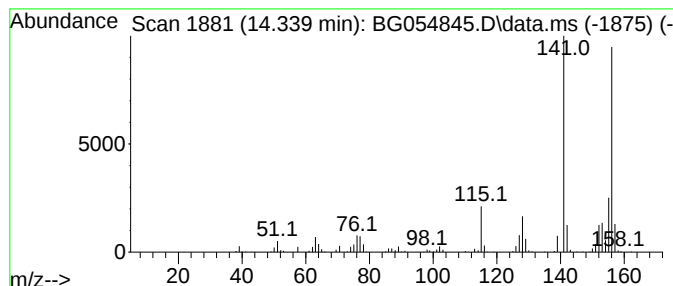
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.339	15.03 ng	444510	Acenaphthene-d10	14.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

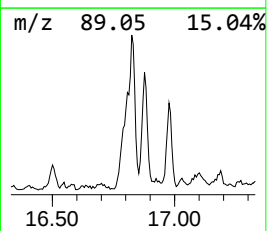
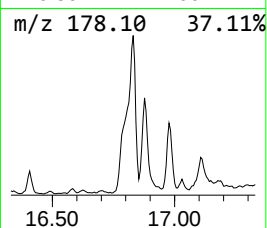
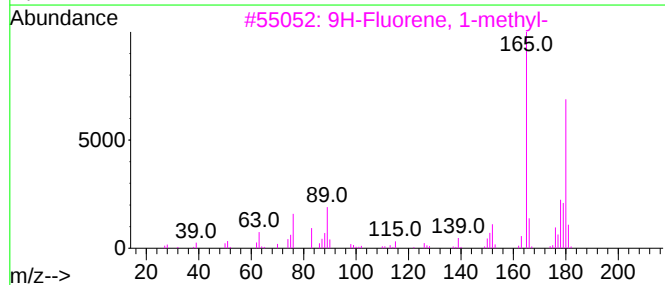
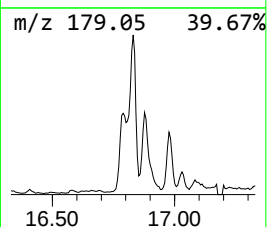
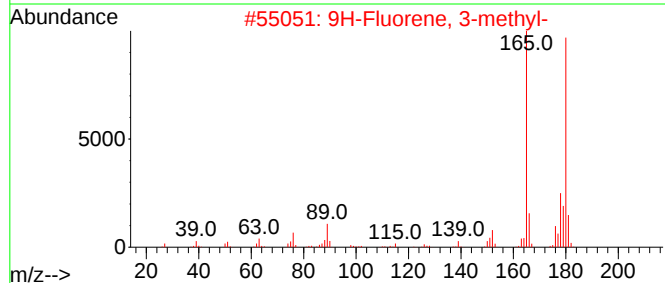
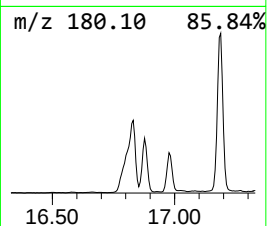
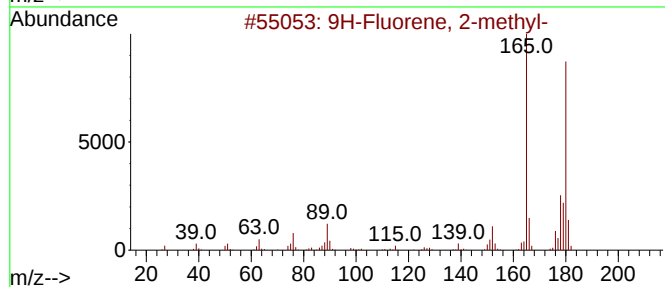
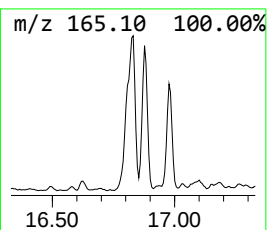
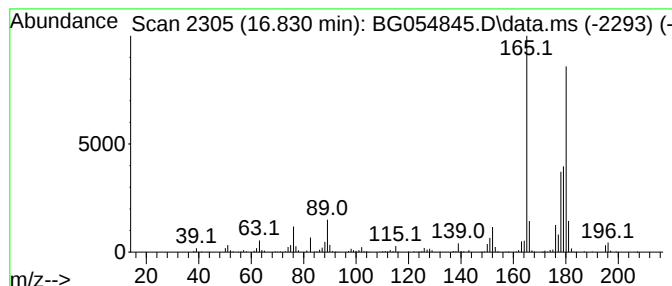
Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.830	32.16 ng	865212	Phenanthrene-d10	17.535	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

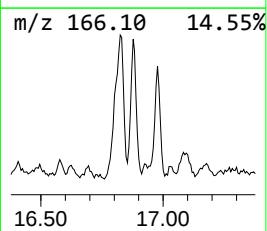
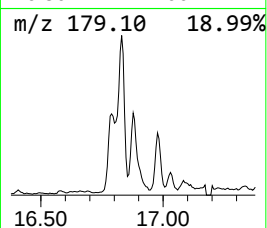
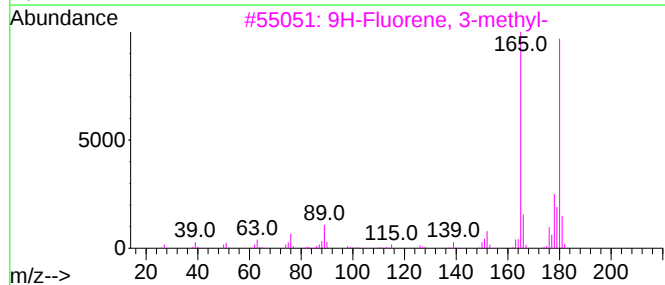
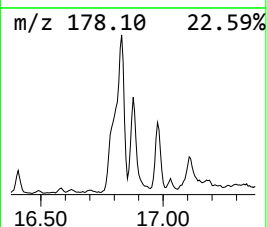
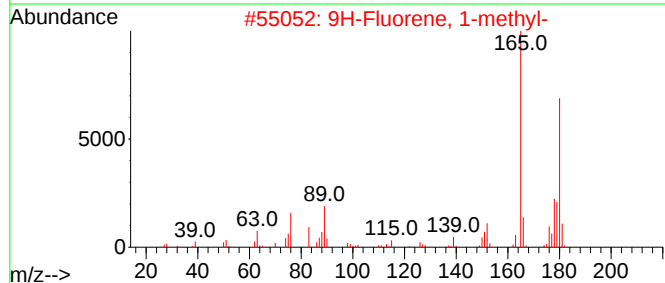
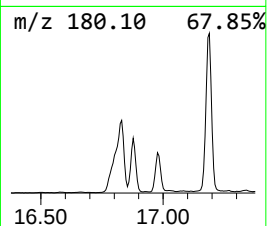
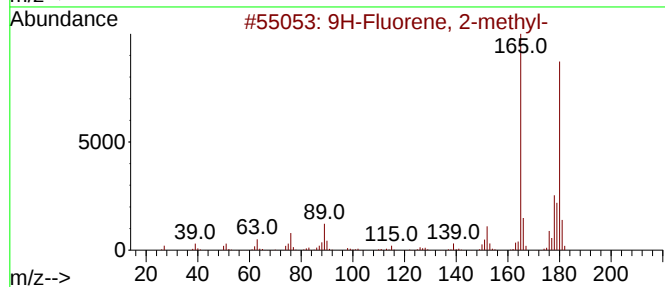
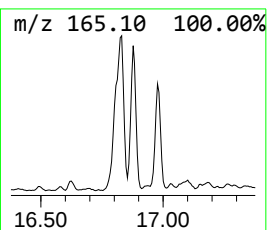
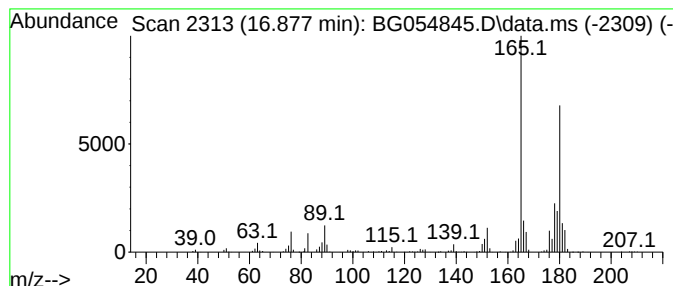
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.877	13.98 ng	376200	Phenanthrene-d10	17.535

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

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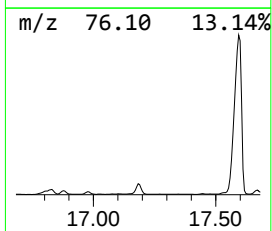
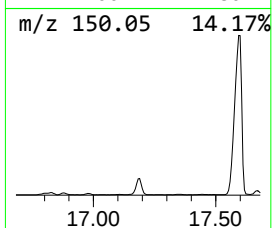
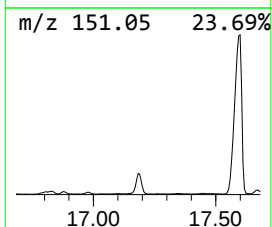
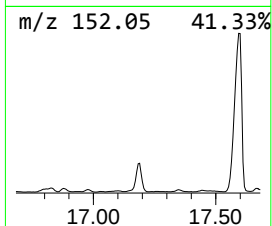
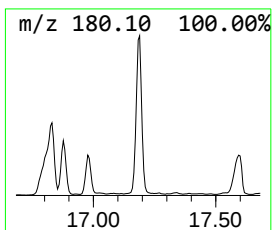
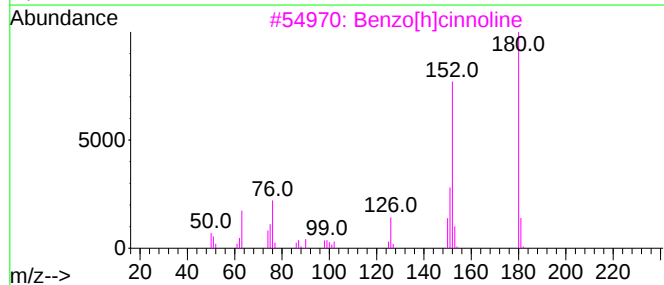
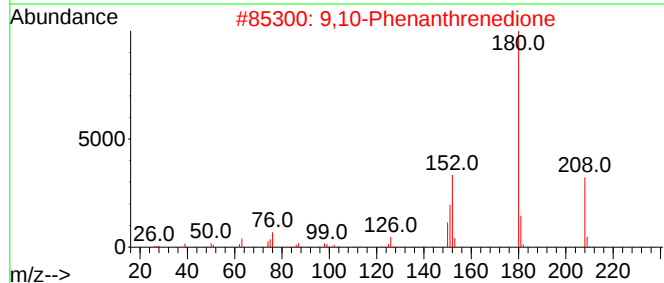
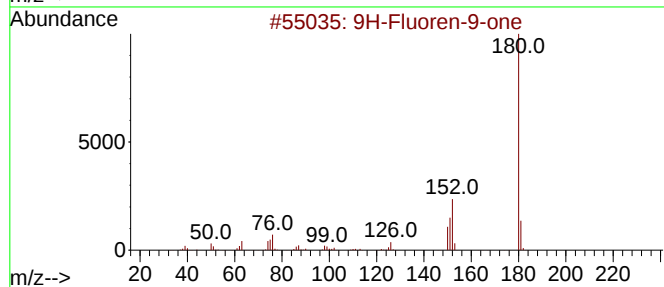
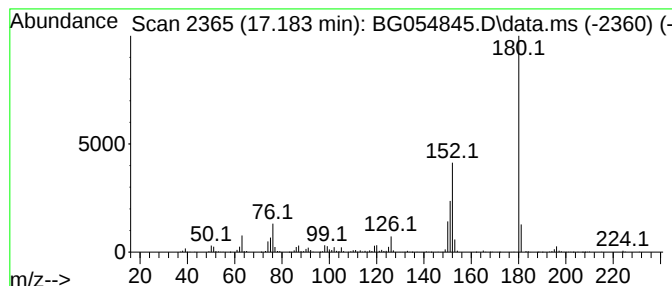
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.183	25.02 ng	673174	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4			Diphenic anhydride	224	C14H8O3	006050-13-1	68
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

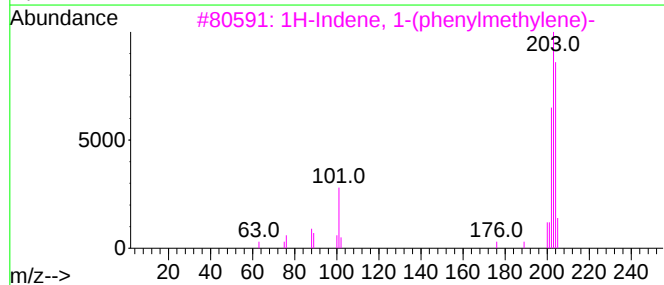
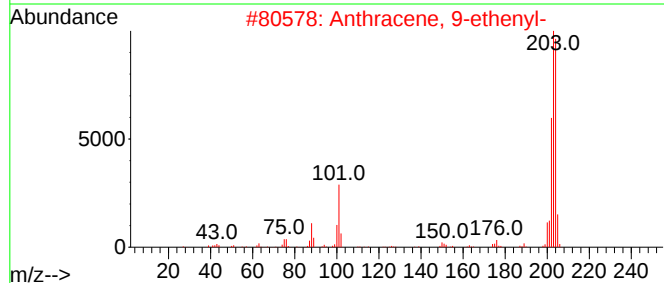
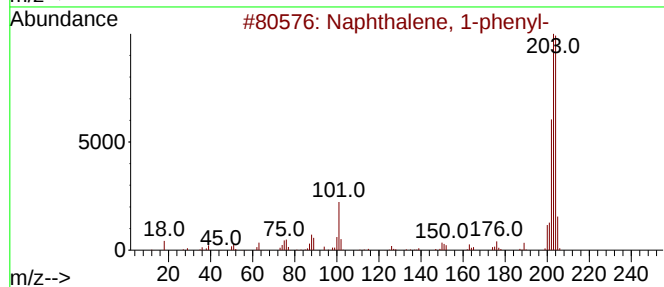
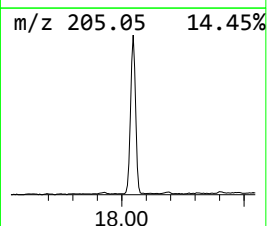
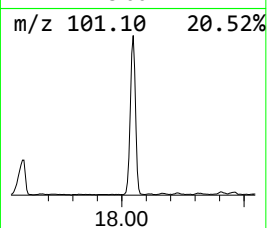
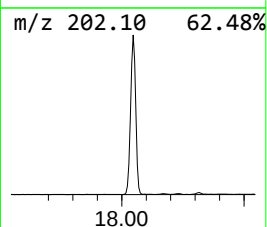
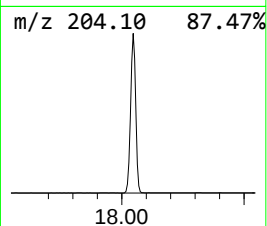
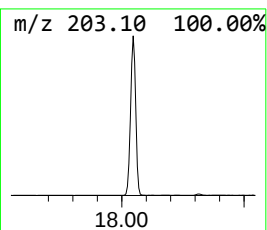
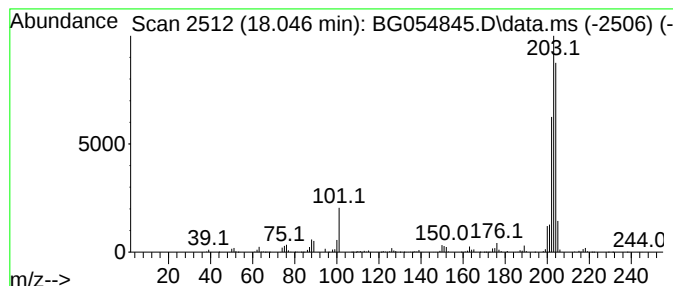
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.046	65.44 ng	1760330	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	98
2			Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
3			1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	90
4			Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
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ClientSampleId :
AP-PIPE-2-SOIL

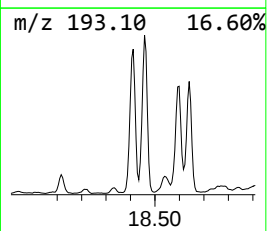
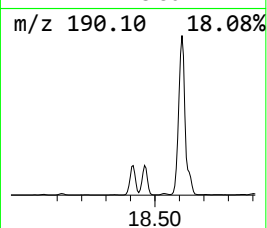
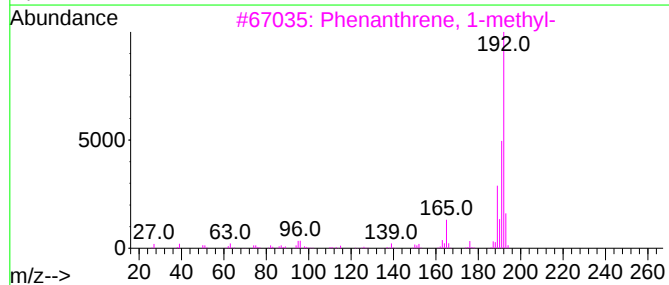
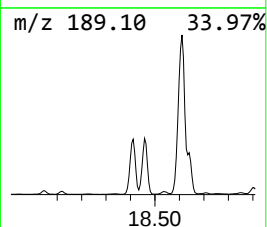
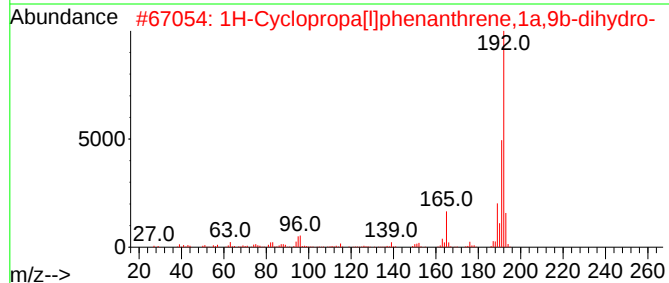
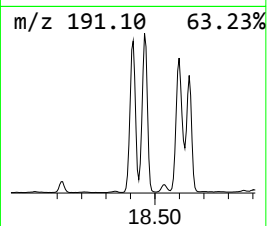
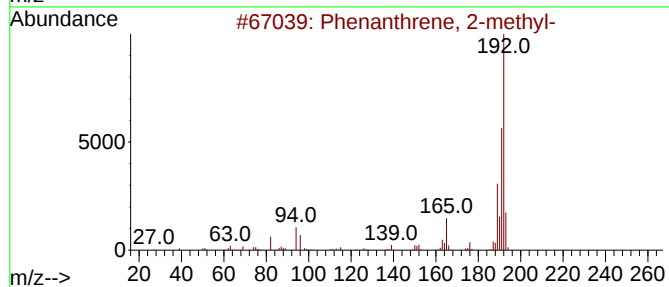
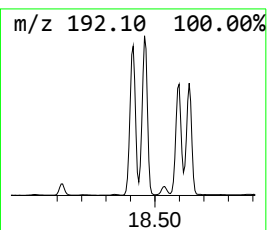
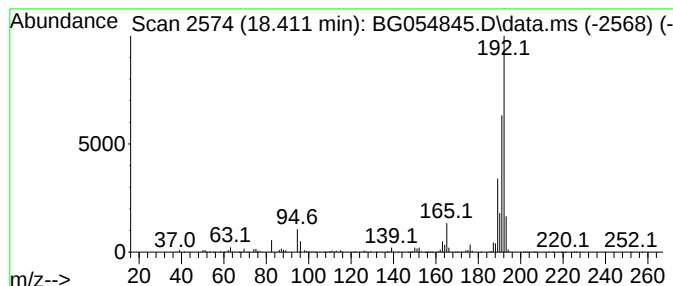
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.411	86.45 ng	2325610	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

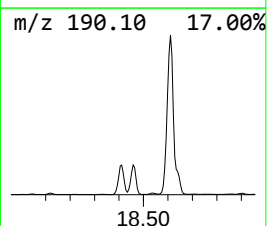
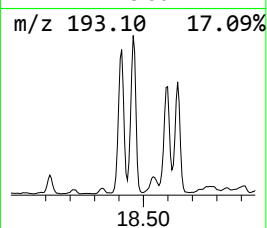
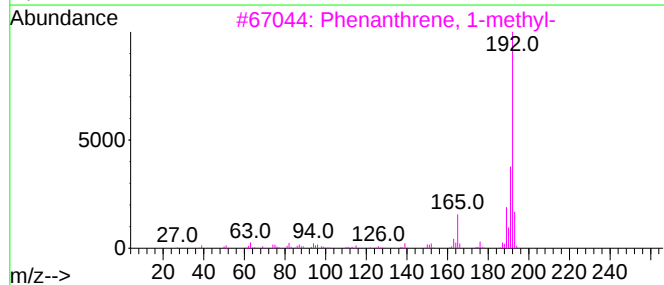
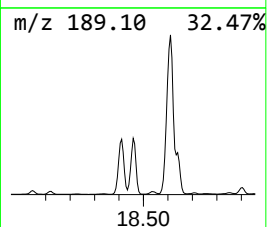
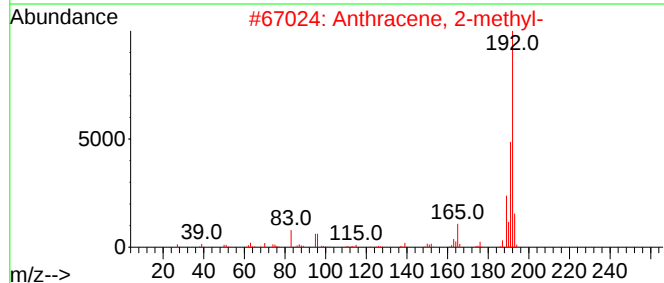
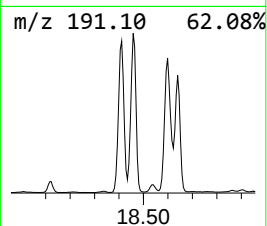
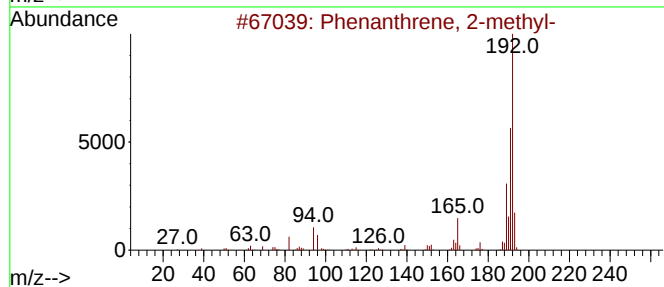
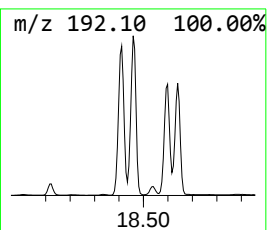
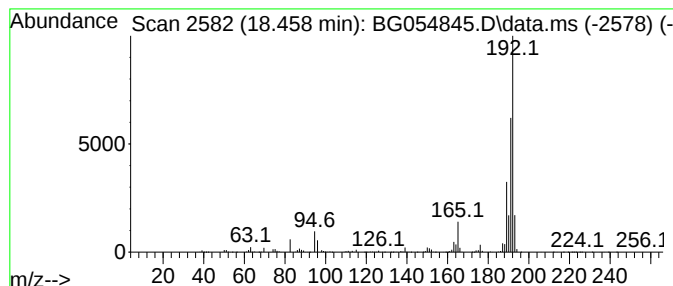
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.458	81.74 ng	2198860	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
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ClientSampleId :
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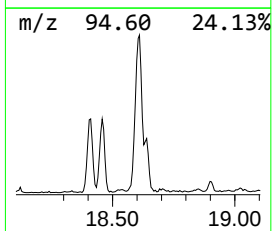
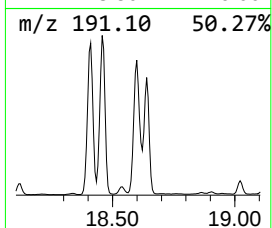
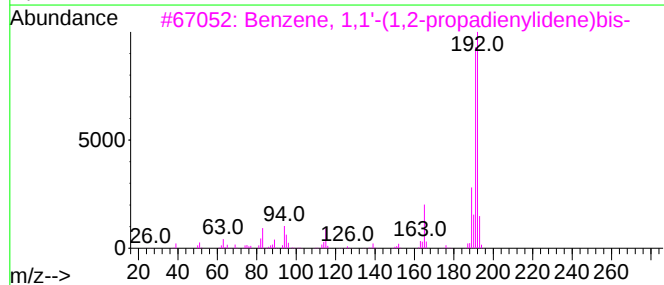
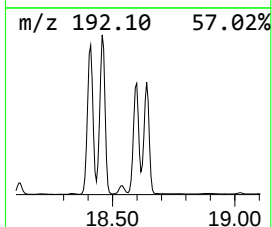
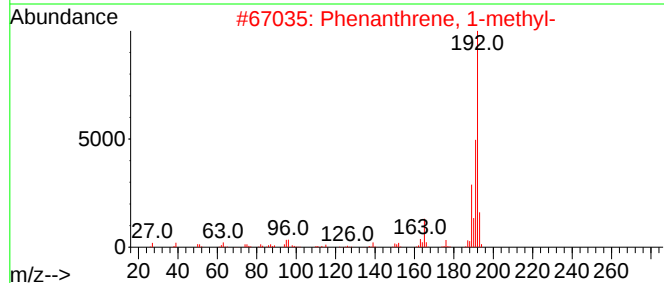
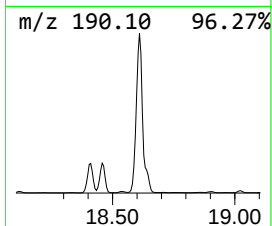
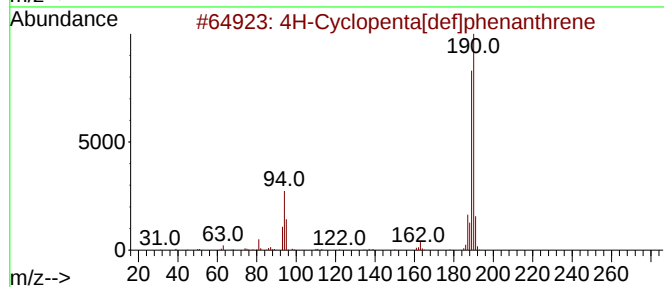
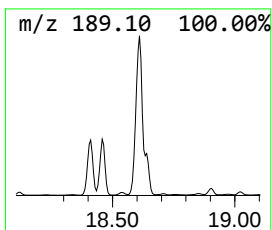
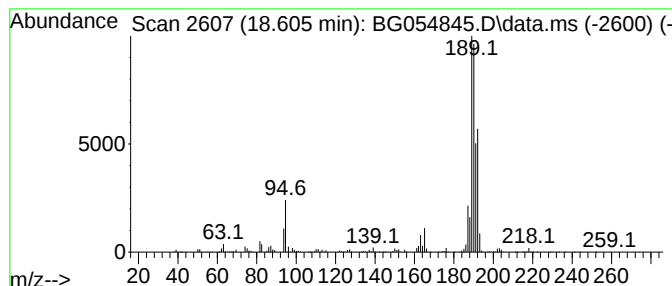
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.605	151.79 ng	4083260	Phenanthrene-d10	17.535

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
3		Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
4		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

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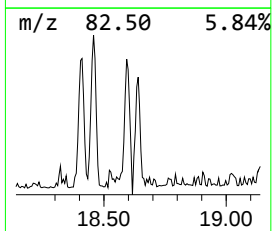
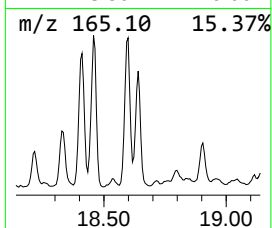
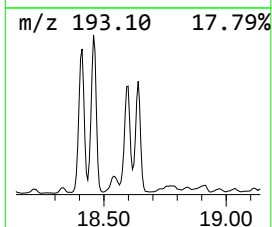
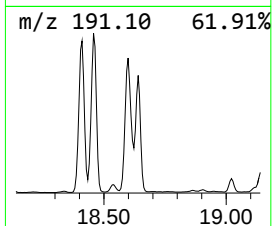
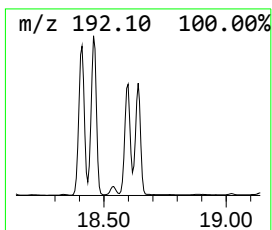
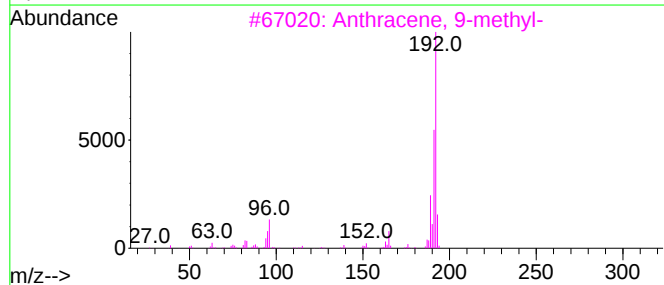
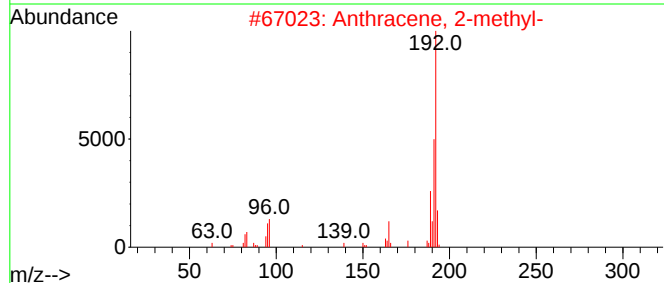
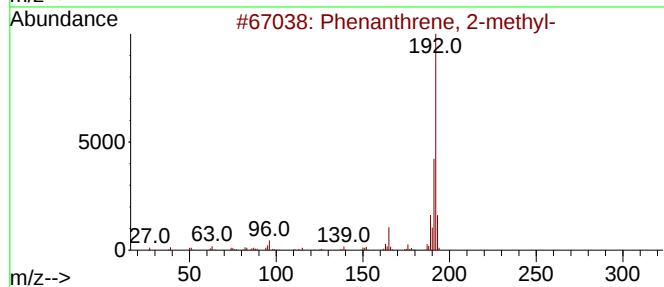
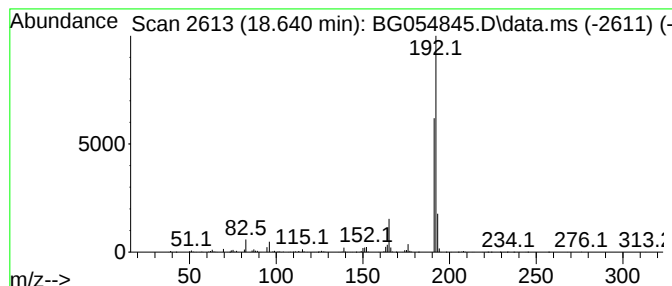
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.640	46.21 ng	1243100	Phenanthrene-d10	17.535

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

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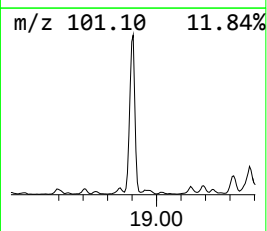
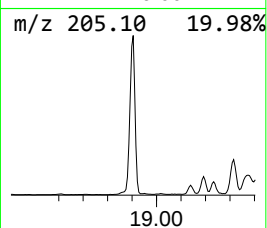
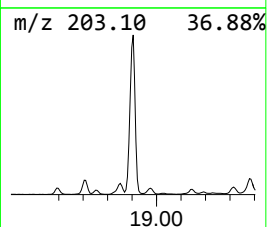
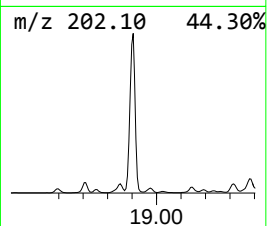
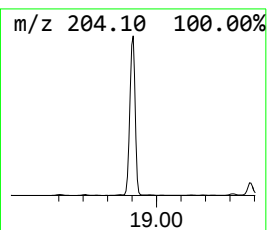
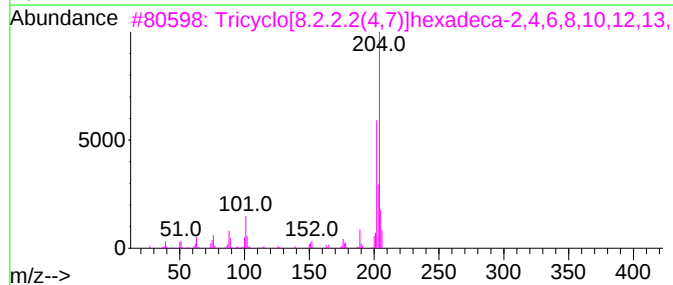
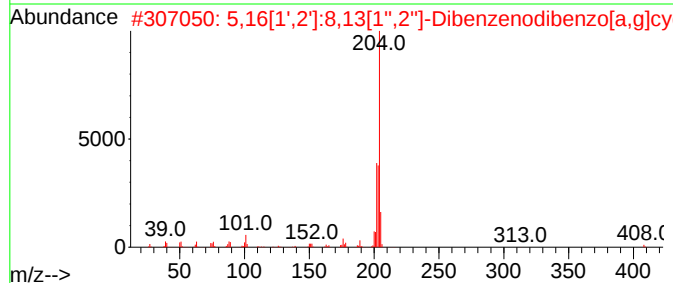
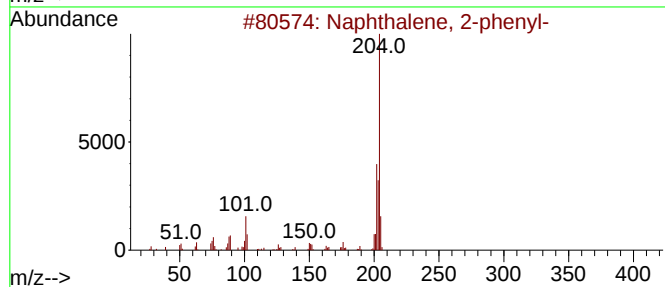
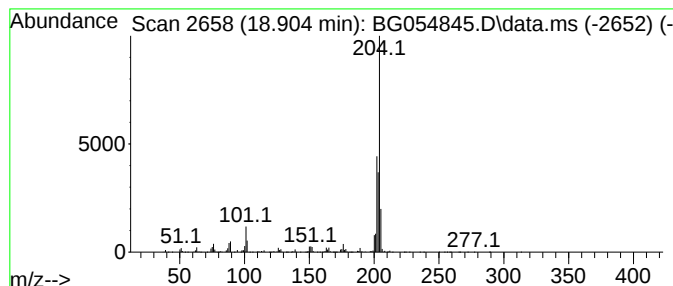
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.904	141.58 ng	3808640	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
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	60
5			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
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Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

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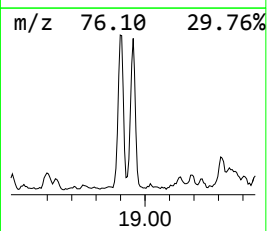
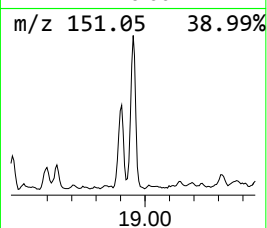
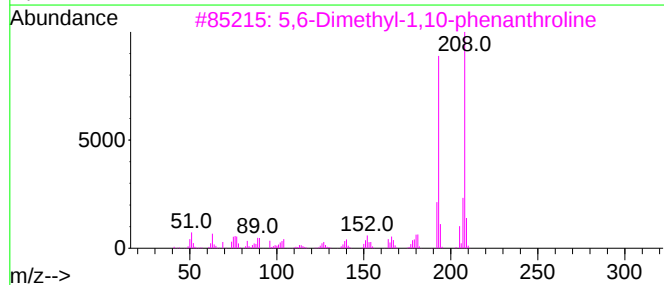
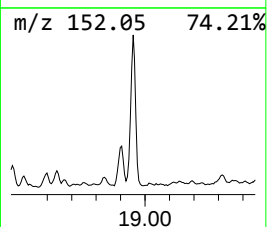
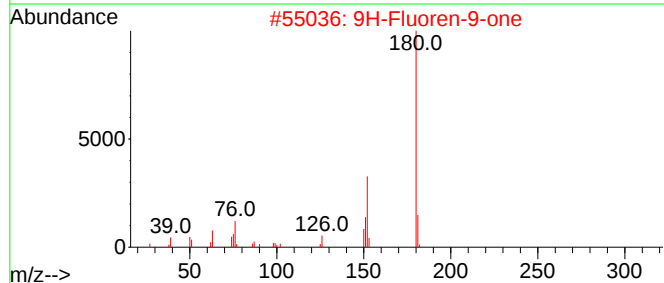
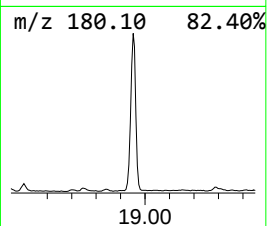
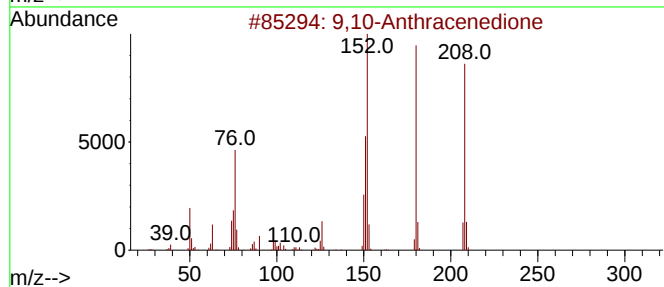
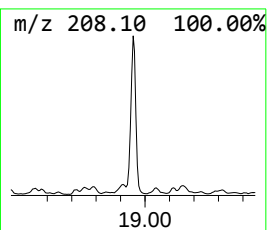
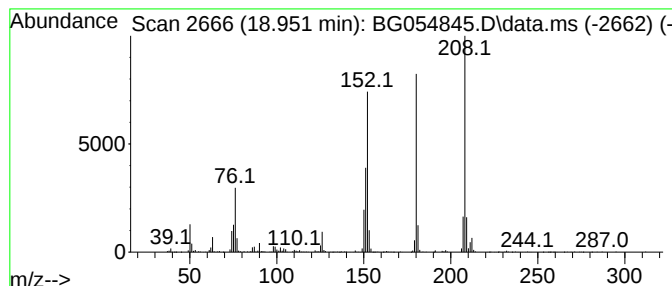
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	36.65 ng	985872	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3			5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
4			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
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ClientSampleId :
AP-PIPE-2-SOIL

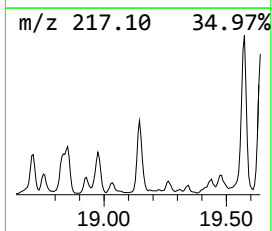
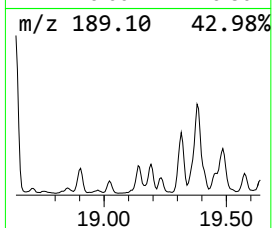
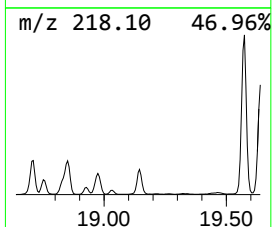
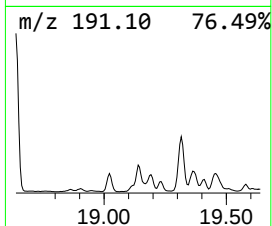
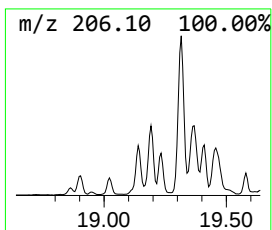
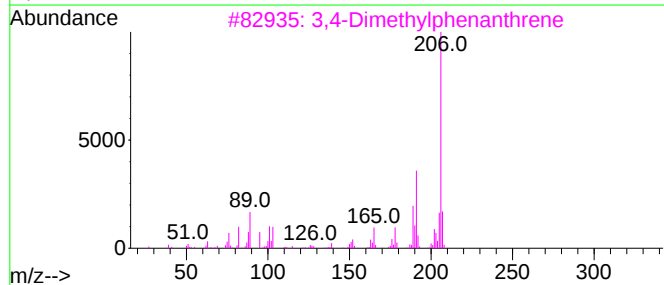
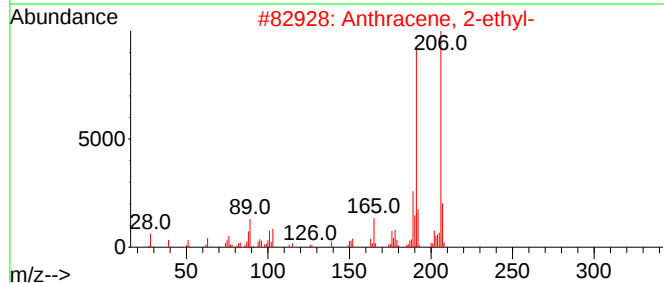
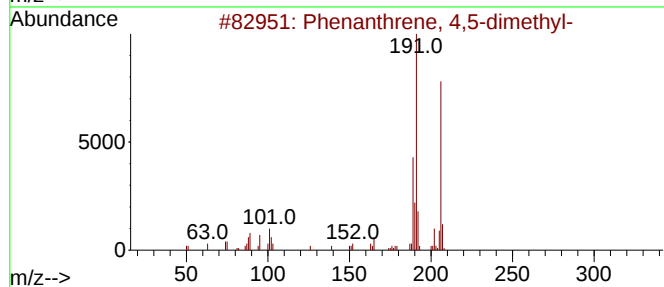
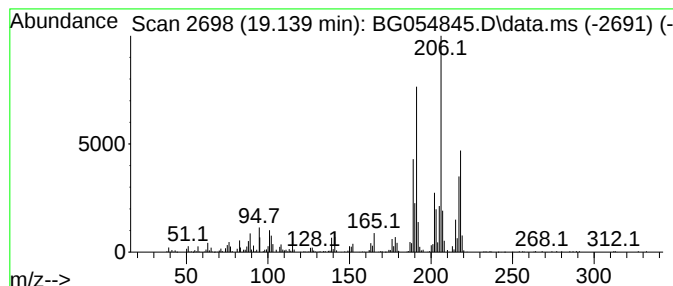
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.139	20.82 ng	560214	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
2			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	78
3			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	70
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
AP-PIPE-2-SOIL

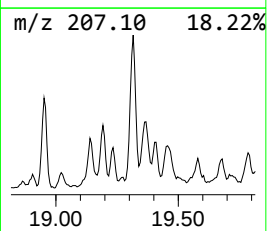
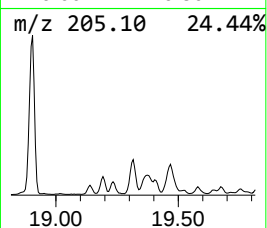
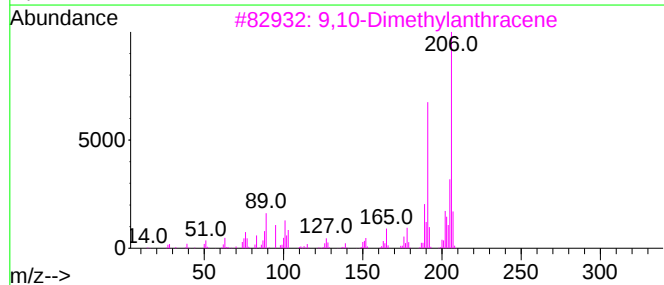
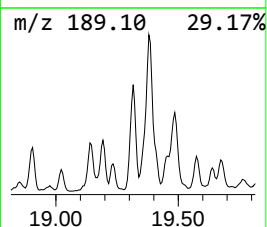
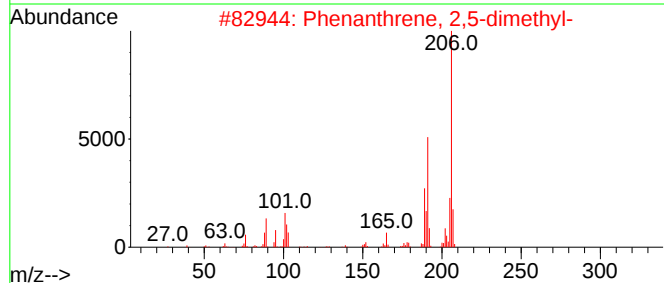
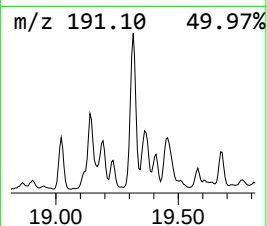
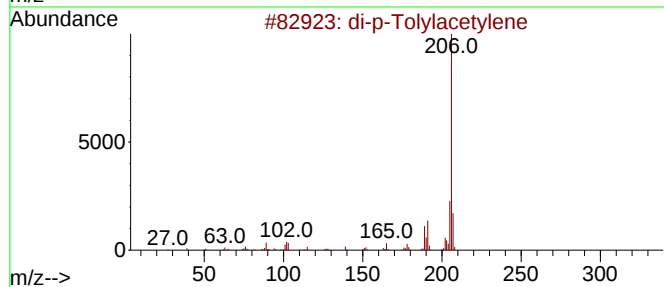
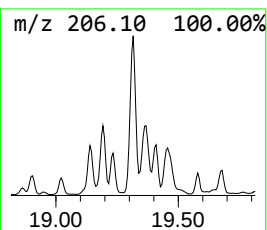
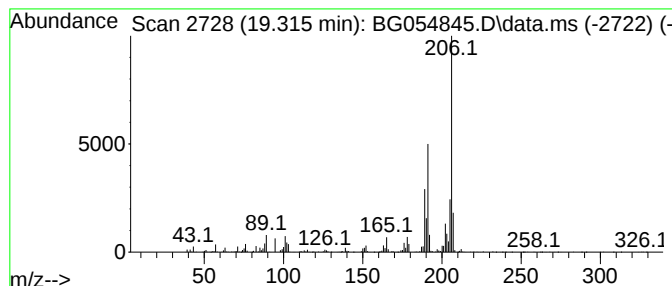
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.316	38.73 ng	1041830	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

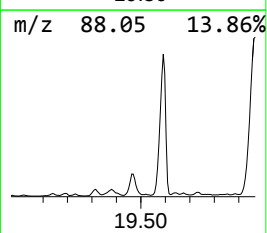
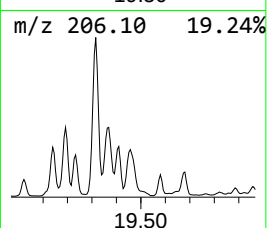
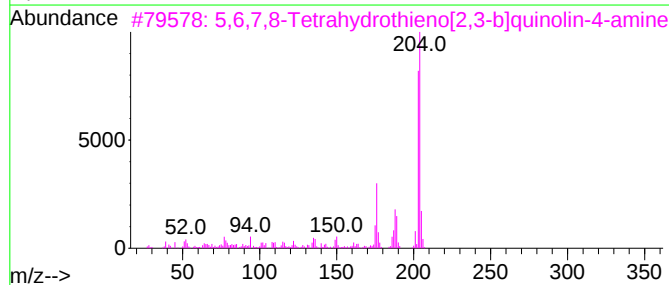
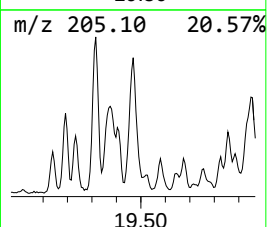
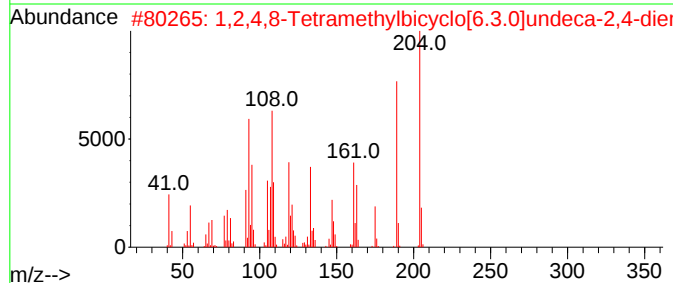
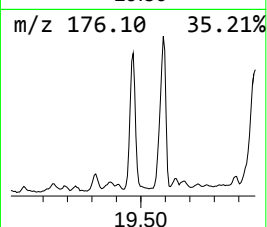
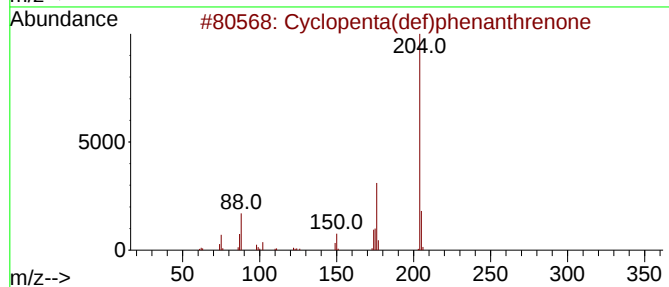
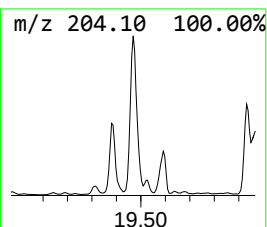
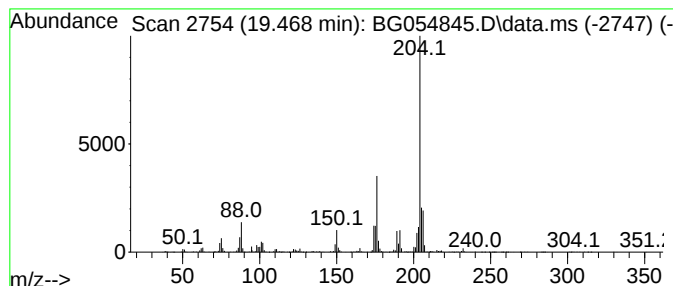
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BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.468	46.39 ng	1247960	Phenanthrene-d10		17.535	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...		204	C15H24	137235-51-9	60
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...		204	C11H12N2S	122914-50-5	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile		204	C14H8N2	001591-30-6	50
5	3-pyrazolidinone, 4,4-dimethyl-1...		204	C12H16N2O	1000400-48-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

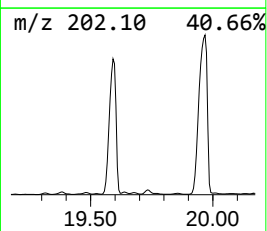
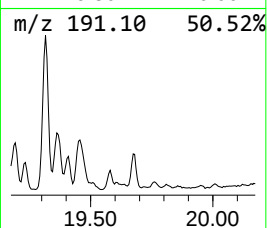
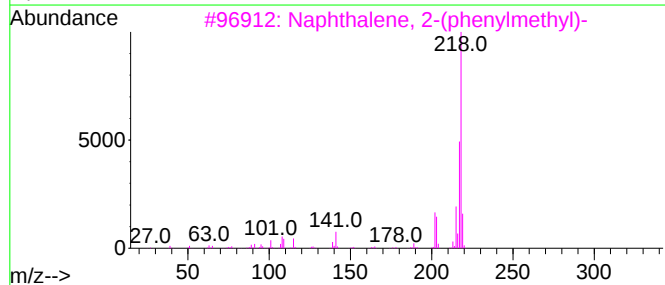
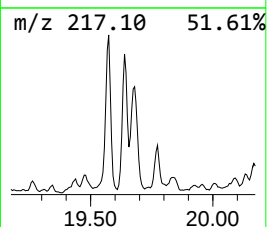
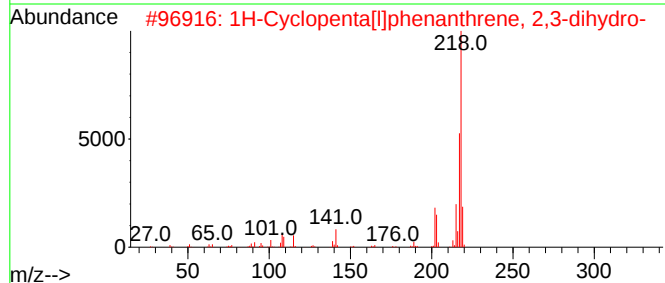
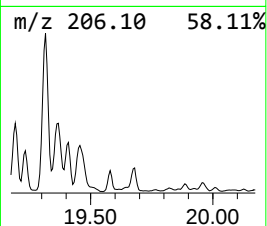
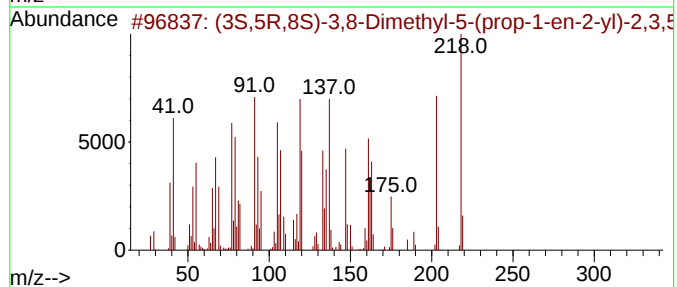
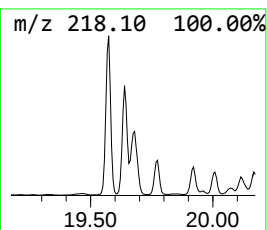
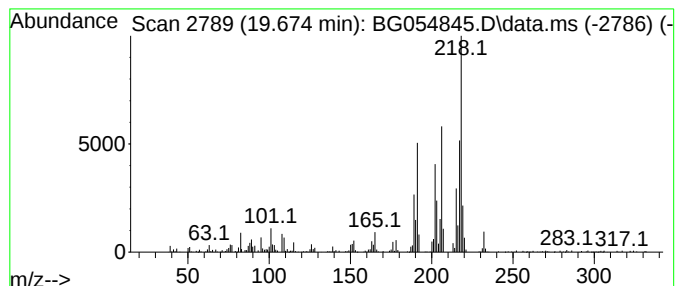
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 (3S,5R,8S)-3,8-Dimethyl-5-(... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.674	15.68 ng	421675	Phenanthrene-d10	17.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(3S,5R,8S)-3,8-Dimethyl-5-(prop-...	218	C15H22O	018374-76-0	64
2			1H-Cyclopenta[1]phenanthrene, 2,...	218	C17H14	000723-98-8	64
3			Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	64
4			4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	55
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054845.D
Acq On : 2 Sep 2022 18:17
Operator : CG/JU
Sample : N4485-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AP-PIPE-2-SOIL

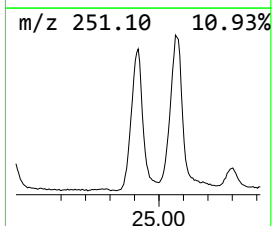
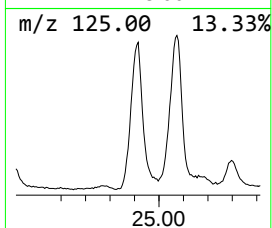
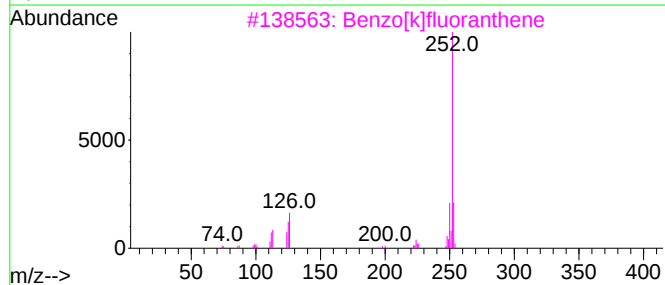
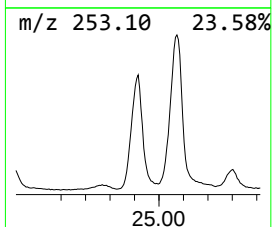
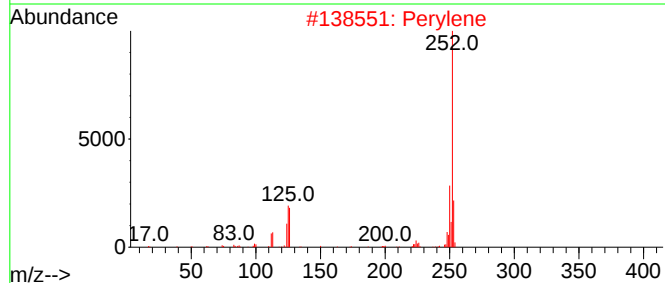
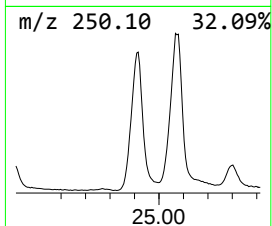
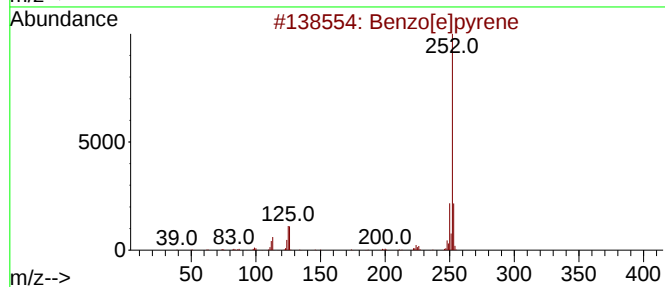
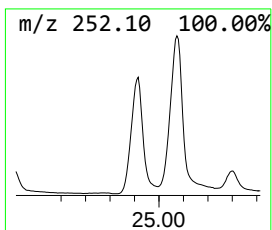
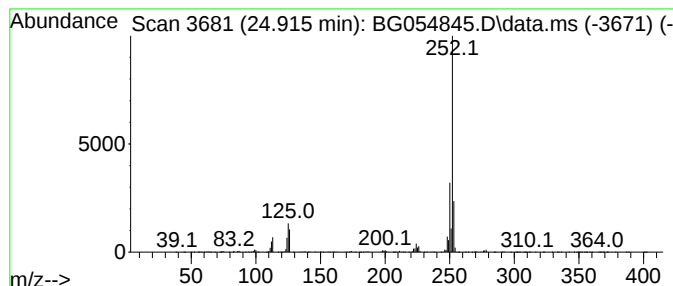
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.915	15.65 ng	3087240	Perylene-d12	25.220

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054845.D
 Acq On : 2 Sep 2022 18:17
 Operator : CG/JU
 Sample : N4485-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AP-PIPE-2-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.208	17.3	ng	265756	1	8.152	307865	20.0
Naphthalene, 2,...	13.963	20.2	ng	596713	3	14.780	591632	20.0
Naphthalene, 2,...	14.104	36.5	ng	1079720	3	14.780	591632	20.0
Naphthalene, 1,...	14.157	17.1	ng	506724	3	14.780	591632	20.0
Naphthalene, 1,...	14.339	15.0	ng	444510	3	14.780	591632	20.0
9H-Fluorene, 2-...	16.830	32.2	ng	865212	4	17.535	538022	20.0
9H-Fluorene, 1-...	16.877	14.0	ng	376200	4	17.535	538022	20.0
9H-Fluoren-9-one	17.183	25.0	ng	673174	4	17.535	538022	20.0
Naphthalene, 1-...	18.046	65.4	ng	1760330	4	17.535	538022	20.0
Phenanthrene, 2...	18.411	86.5	ng	2325610	4	17.535	538022	20.0
Anthracene, 2-m...	18.458	81.7	ng	2198860	4	17.535	538022	20.0
4H-Cyclopenta[d...	18.605	151.8	ng	4083260	4	17.535	538022	20.0
Anthracene, 9-m...	18.640	46.2	ng	1243100	4	17.535	538022	20.0
Naphthalene, 2-...	18.904	141.6	ng	3808640	4	17.535	538022	20.0
9,10-Anthracene...	18.951	36.6	ng	985872	4	17.535	538022	20.0
Phenanthrene, 4...	19.139	20.8	ng	560214	4	17.535	538022	20.0
di-p-Tolylacety...	19.316	38.7	ng	1041830	4	17.535	538022	20.0
Cyclopenta(def)...	19.468	46.4	ng	1247960	4	17.535	538022	20.0
(3S,5R,8S)-3,8-...	19.674	15.7	ng	421675	4	17.535	538022	20.0
Benzo[e]pyrene	24.915	15.7	ng	3087240	6	25.220	3944590	20.0