

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056621.D
 Acq On : 13 Feb 2023 16:00
 Operator : CG/JU
 Sample : 01529-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-5.0-7.0

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056621.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.236	324	331	341	rVB	105899	166642	5.26%	0.403%
2	5.730	408	415	425	rBV	428564	692126	21.83%	1.672%
3	7.369	686	694	708	rBV	426021	751729	23.71%	1.816%
4	8.203	830	836	845	rBB	100813	171110	5.40%	0.413%
5	9.384	1030	1037	1045	rBV	263577	472585	14.91%	1.142%
6	11.041	1311	1319	1323	rBV	139215	238650	7.53%	0.576%
7	11.088	1323	1327	1336	rVB	64349	113460	3.58%	0.274%
8	12.680	1592	1598	1605	rBB	42170	63156	1.99%	0.153%
9	12.898	1627	1635	1641	rBB	30214	47369	1.49%	0.114%
10	13.462	1723	1731	1741	rVB	964584	1514828	47.78%	3.659%
11	14.155	1842	1849	1854	rBV2	20780	36054	1.14%	0.087%
12	14.836	1960	1965	1970	rVB	262214	379754	11.98%	0.917%
13	14.901	1970	1976	1982	rVB	261006	392906	12.39%	0.949%
14	15.230	2025	2032	2039	rBV	125889	196186	6.19%	0.474%
15	15.876	2135	2142	2150	rBV	253949	388394	12.25%	0.938%
16	16.035	2166	2169	2174	rVB	37218	52465	1.65%	0.127%
17	16.170	2187	2192	2199	rVB2	113667	195574	6.17%	0.472%
18	16.323	2211	2218	2225	rBV	751004	1140476	35.97%	2.755%
19	16.875	2300	2312	2317	rBV3	45176	112271	3.54%	0.271%
20	17.022	2331	2337	2342	rVB5	18156	32383	1.02%	0.078%
21	17.093	2342	2349	2353	rBV3	21284	47091	1.49%	0.114%
22	17.234	2367	2373	2378	rVB	58605	93290	2.94%	0.225%
23	17.298	2378	2384	2386	rBV3	24118	39656	1.25%	0.096%
24	17.392	2395	2400	2411	rVB	85516	137830	4.35%	0.333%
25	17.574	2425	2431	2434	rBV	329486	507469	16.01%	1.226%
26	17.621	2434	2439	2445	rVV	1748334	2649826	83.58%	6.401%
27	17.710	2445	2454	2460	rVV	543044	847143	26.72%	2.046%
28	17.768	2460	2464	2473	rVB	44195	75804	2.39%	0.183%
29	17.974	2489	2499	2506	rBV2	212653	400620	12.64%	0.968%
30	18.080	2513	2517	2524	rBV4	32509	56970	1.80%	0.138%
31	18.156	2525	2530	2537	rVB5	23427	42332	1.34%	0.102%
32	18.444	2570	2579	2583	rBV	200528	334487	10.55%	0.808%
33	18.491	2583	2587	2593	rVB	275955	411017	12.96%	0.993%
34	18.573	2593	2601	2606	rBV	122133	182114	5.74%	0.440%
35	18.644	2606	2613	2617	rBV3	335395	625698	19.73%	1.511%
36	18.738	2626	2629	2633	rVB2	27049	34879	1.10%	0.084%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.785	2633	2637	2642	rBV2	32905	44396	1.40%	0.107%
38	18.932	2657	2662	2667	rVV	163109	229159	7.23%	0.554%
39	18.985	2667	2671	2679	rVV	122978	168853	5.33%	0.408%
40	19.173	2696	2703	2707	rBV3	46091	73093	2.31%	0.177%
41	19.225	2707	2712	2715	rVV	40212	52406	1.65%	0.127%
42	19.261	2715	2718	2722	rVB2	33524	43849	1.38%	0.106%
43	19.343	2727	2732	2737	rBV2	72980	143445	4.52%	0.346%
44	19.496	2752	2758	2765	rVB3	58507	134157	4.23%	0.324%
45	19.619	2771	2779	2784	rBV	2222495	3170594	100.00%	7.659%
46	19.666	2784	2787	2790	rVV	32276	44172	1.39%	0.107%
47	19.707	2790	2794	2799	rVB3	52555	80438	2.54%	0.194%
48	19.801	2806	2810	2813	rBV5	22981	37967	1.20%	0.092%
49	19.860	2813	2820	2828	rVB2	66183	158966	5.01%	0.384%
50	19.942	2828	2834	2836	rBV2	427758	690218	21.77%	1.667%
51	19.978	2836	2840	2846	rVV	1719577	2435405	76.81%	5.883%
52	20.036	2846	2850	2856	rVB	114539	166210	5.24%	0.401%
53	20.154	2857	2870	2876	rBV	1873355	2534543	79.94%	6.122%
54	20.213	2876	2880	2886	rVB	114009	169955	5.36%	0.411%
55	20.289	2886	2893	2899	rBV2	143066	343507	10.83%	0.830%
56	20.348	2899	2903	2909	rBV	62514	82784	2.61%	0.200%
57	20.424	2909	2916	2918	rBV3	104650	217027	6.84%	0.524%
58	20.459	2918	2922	2927	rVB	394338	546291	17.23%	1.320%
59	20.559	2934	2939	2942	rBV	345463	463952	14.63%	1.121%
60	20.618	2942	2949	2952	rVV2	174902	370164	11.67%	0.894%
61	20.647	2952	2954	2958	rVV	113979	144601	4.56%	0.349%
62	20.688	2958	2961	2966	rVB3	53347	79491	2.51%	0.192%
63	20.759	2969	2973	2976	rVV	89304	138515	4.37%	0.335%
64	20.806	2977	2981	2988	rVV	101009	179256	5.65%	0.433%
65	20.888	2991	2995	2997	rBV3	24095	35243	1.11%	0.085%
66	20.923	2997	3001	3007	rVB2	48485	71214	2.25%	0.172%
67	21.017	3013	3017	3019	rBV3	25039	37263	1.18%	0.090%
68	21.053	3020	3023	3026	rBV4	36706	52941	1.67%	0.128%
69	21.182	3041	3045	3049	rBV3	51120	90943	2.87%	0.220%
70	21.235	3049	3054	3060	rVB	124628	204609	6.45%	0.494%
71	21.423	3078	3086	3089	rBV3	162469	365726	11.53%	0.883%
72	21.458	3090	3092	3097	rVV	176690	265266	8.37%	0.641%
73	21.517	3097	3102	3107	rVV2	182204	342419	10.80%	0.827%
74	21.576	3107	3112	3121	rVB2	130354	261961	8.26%	0.633%
75	21.711	3127	3135	3141	rBV	42755	114987	3.63%	0.278%
76	21.840	3145	3157	3164	rVV3	1116395	2758686	87.01%	6.664%

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77	21.905	3164	3168	3180	rVB	835817	1437098	45.33%	3.471%
78	21.999	3180	3184	3188	rBV7	30139	56648	1.79%	0.137%
79	22.063	3190	3195	3202	rVV	159814	271129	8.55%	0.655%
80	22.134	3203	3207	3213	rVV3	69458	137694	4.34%	0.333%
81	22.210	3217	3220	3225	rVB	82139	135837	4.28%	0.328%
82	22.281	3226	3232	3238	rBV2	133127	250608	7.90%	0.605%
83	22.351	3239	3244	3248	rBV5	26418	56376	1.78%	0.136%
84	22.610	3280	3288	3293	rVV	142185	307044	9.68%	0.742%
85	22.686	3297	3301	3309	rVB	77425	147138	4.64%	0.355%
86	22.833	3322	3326	3332	rVB2	62527	112456	3.55%	0.272%
87	22.898	3332	3337	3342	rVV4	76796	179983	5.68%	0.435%
88	22.950	3342	3346	3353	rVB3	93902	198325	6.26%	0.479%
89	23.033	3356	3360	3368	rVB3	71177	143310	4.52%	0.346%
90	23.327	3405	3410	3415	rBV3	38234	83918	2.65%	0.203%
91	23.538	3443	3446	3461	rVB3	64002	177988	5.61%	0.430%
92	24.155	3542	3551	3559	rBV	500697	1772654	55.91%	4.282%
93	24.425	3590	3597	3605	rVB	107594	258615	8.16%	0.625%
94	24.919	3672	3681	3695	rVV	270010	815789	25.73%	1.971%
95	25.072	3698	3707	3719	rVB	446967	1330544	41.97%	3.214%
96	25.230	3726	3734	3741	rBV	191419	536809	16.93%	1.297%
97	25.307	3742	3747	3762	rVB3	128533	408456	12.88%	0.987%
98	29.114	4383	4395	4415	rVB2	176087	921926	29.08%	2.227%
99	30.330	4593	4602	4617	rVB2	104598	469653	14.81%	1.134%

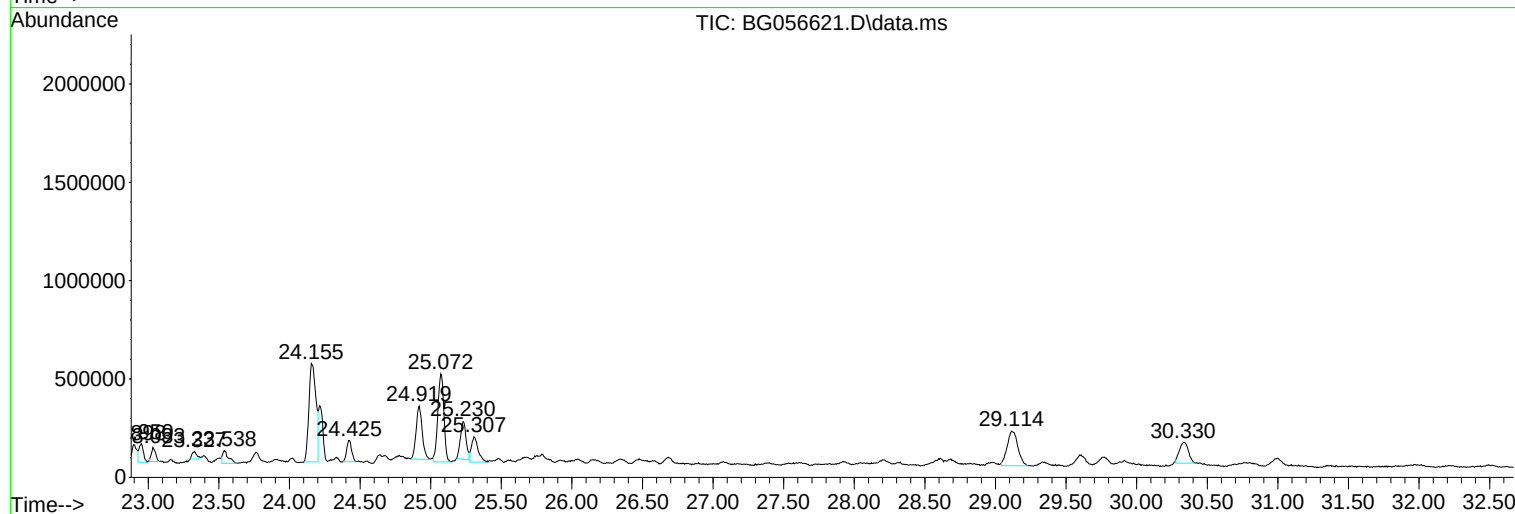
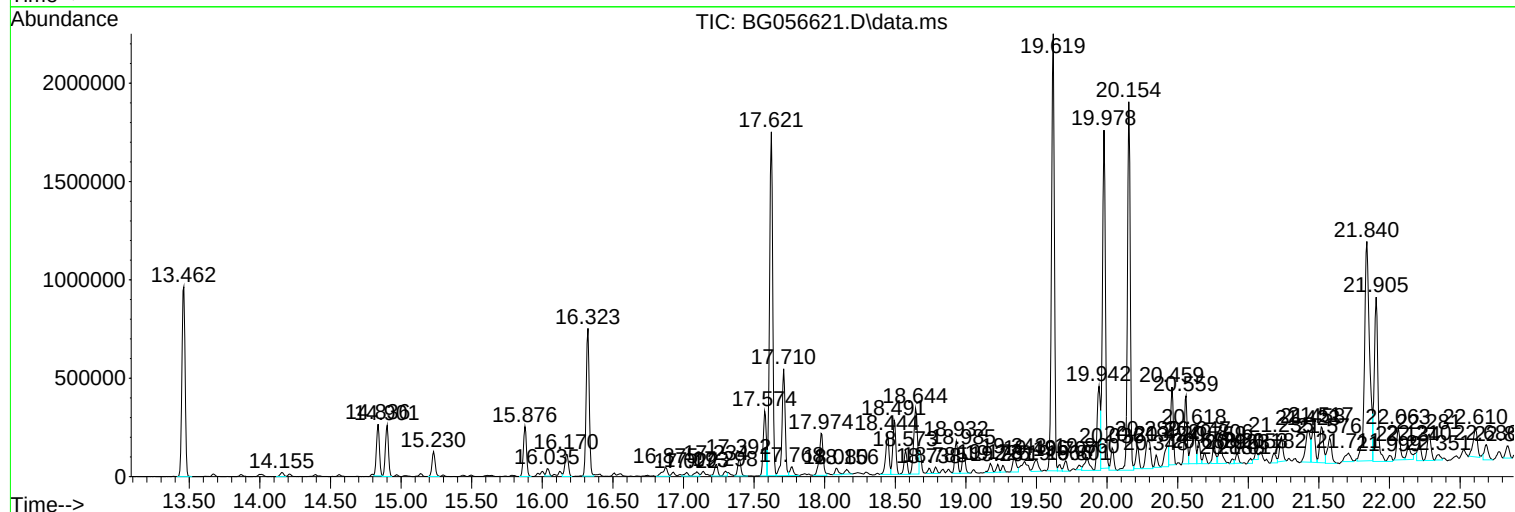
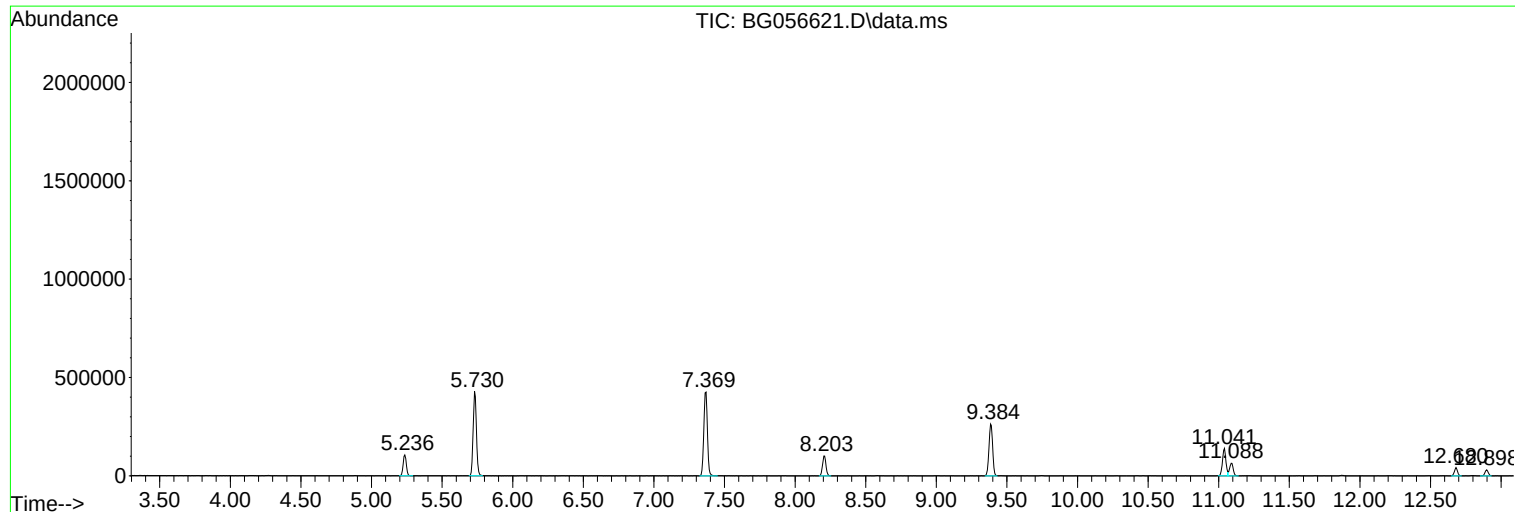
Sum of corrected areas: 41399014

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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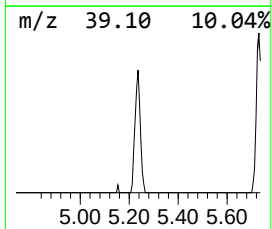
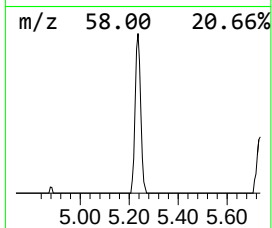
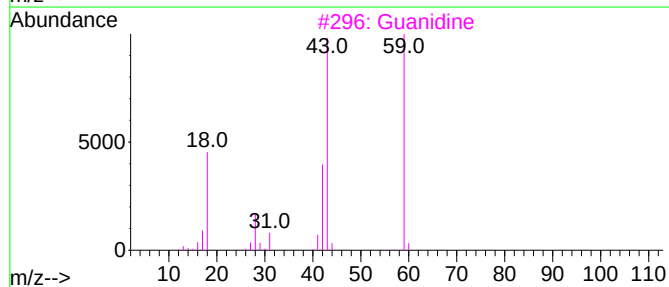
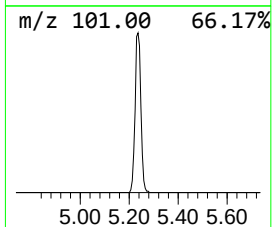
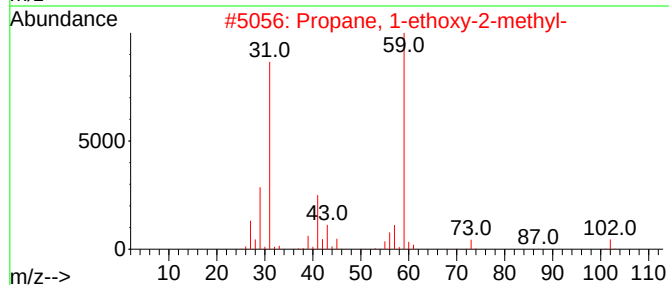
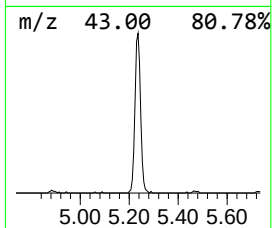
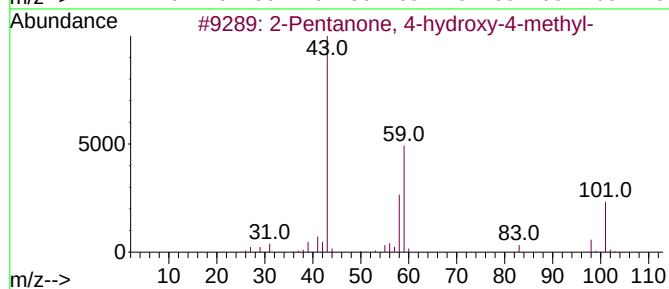
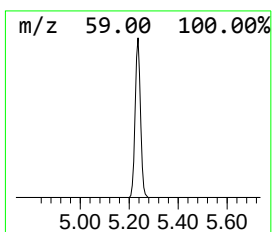
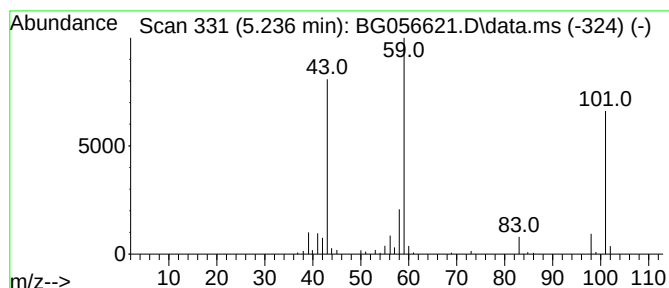
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.236	19.48 ng	166642	1,4-Dichlorobenzene-d4	8.209

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32
3			Guanidine	59	CH5N3	000113-00-8	25
4			4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
5			Oxirane, tetramethyl-	100	C6H12O	005076-20-0	25



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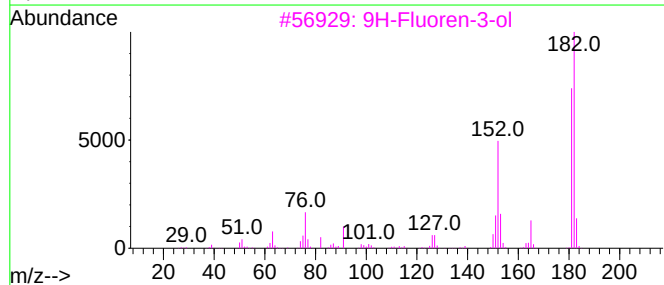
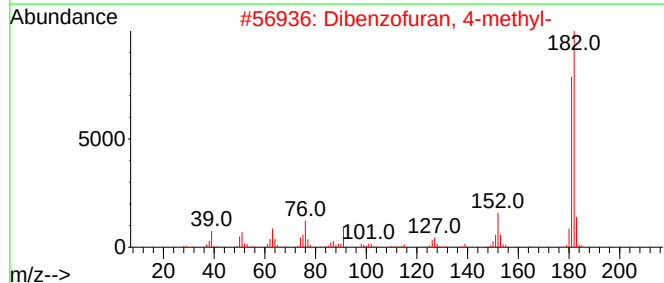
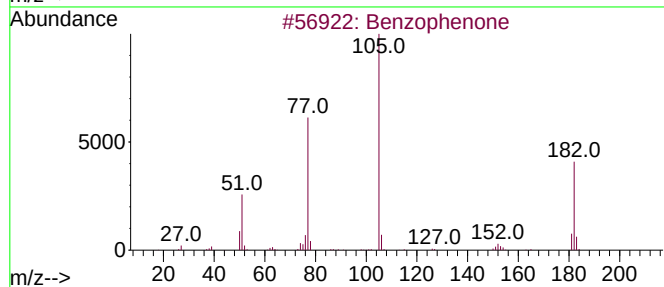
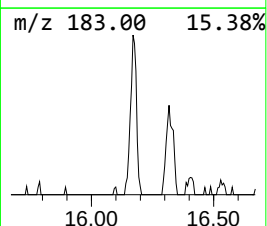
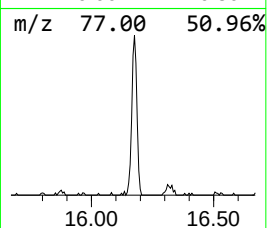
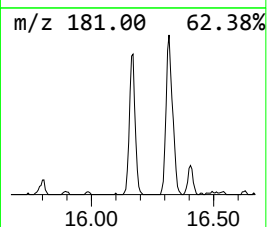
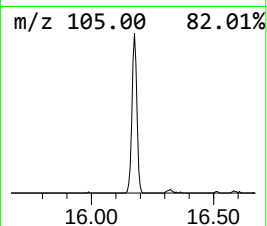
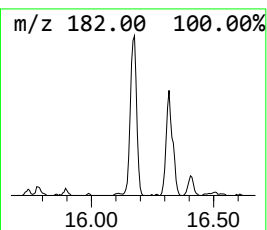
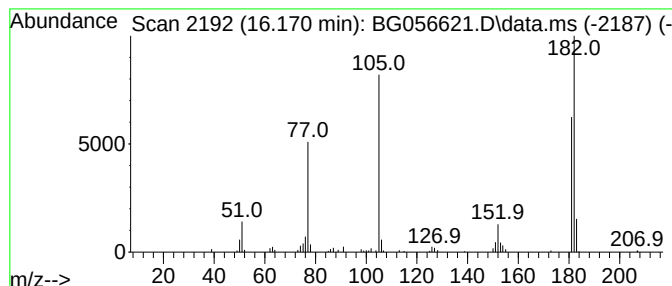
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TIC Library : C:\Database\NIST20.L
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Peak Number 2 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.170	10.30 ng	195574	Acenaphthene-d10	14.836

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	83
2			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	62
3			9H-Fluoren-3-ol	182	C13H10O	006344-67-8	53
4			5H-Indeno[1,2-b]pyridin-4-ylamine	182	C12H10N2	1000303-41-6	49
5			Norharmene, N-methyl-	182	C12H10N2	1010374-78-6	49



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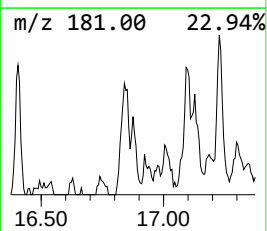
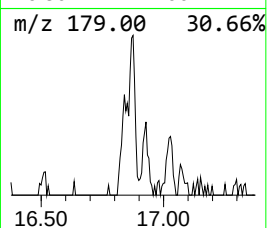
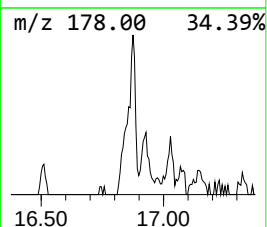
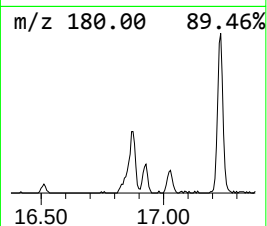
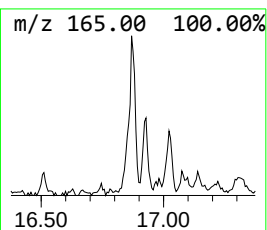
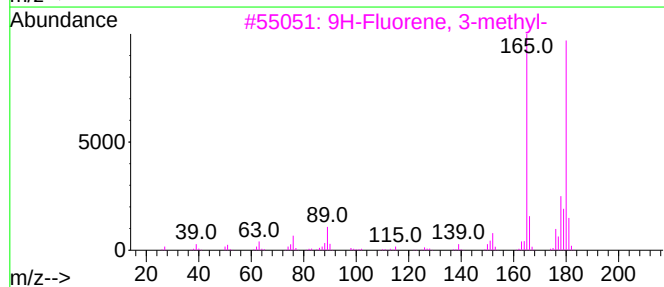
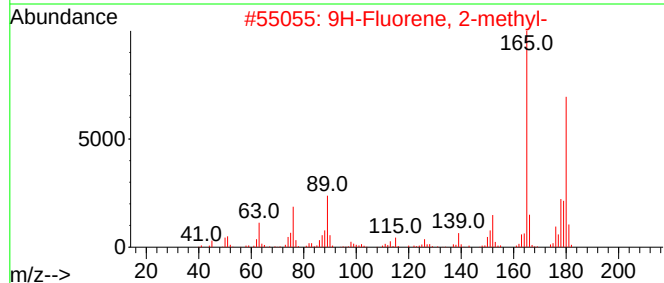
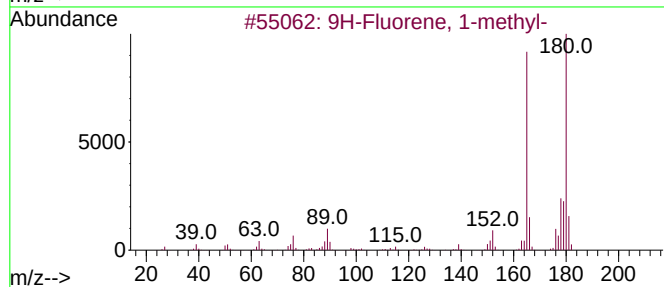
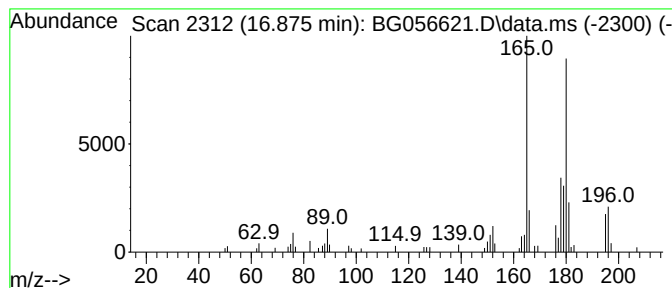
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.875	4.42 ng	112271	Phenanthrene-d10	17.574

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-5.0-7.0

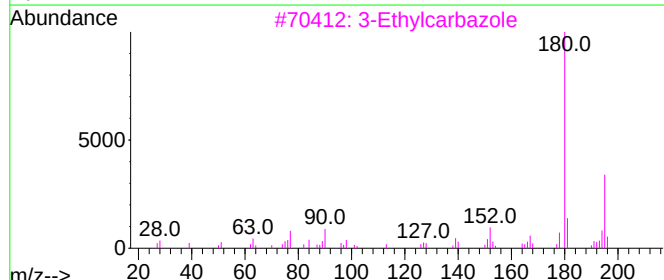
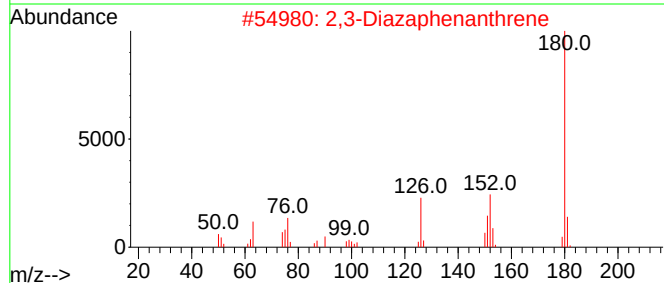
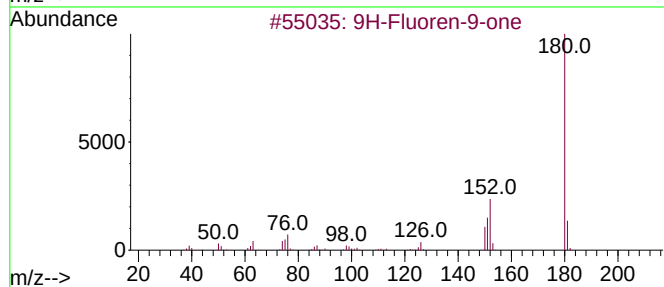
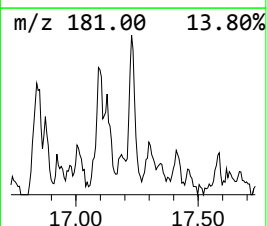
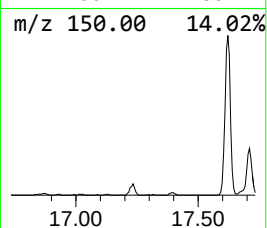
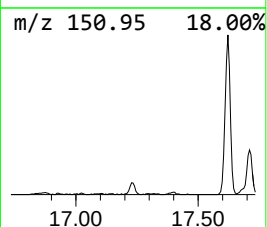
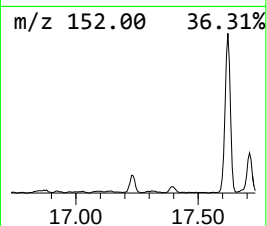
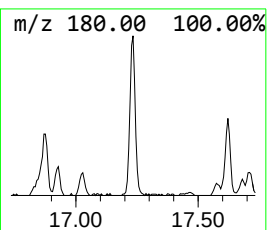
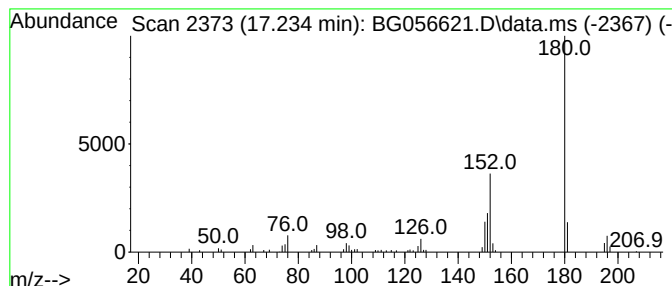
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.234	3.68 ng	93290	Phenanthrene-d10	17.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2			2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
3			3-Ethylcarbazole	195	C14H13N	005599-49-5	64
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	59
5			o-Phenanthroline	180	C12H8N2	000066-71-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-01-5.0-7.0

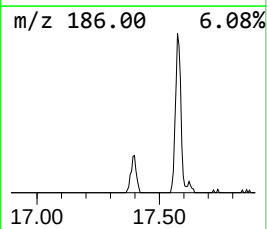
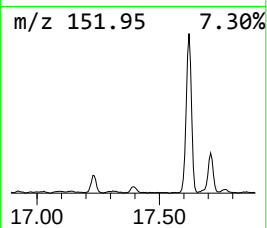
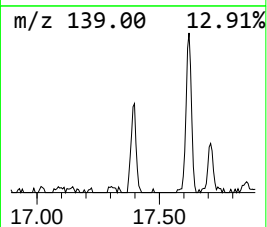
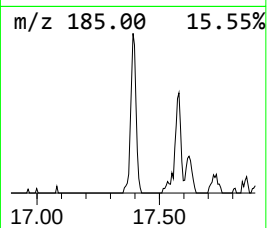
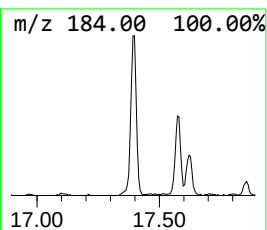
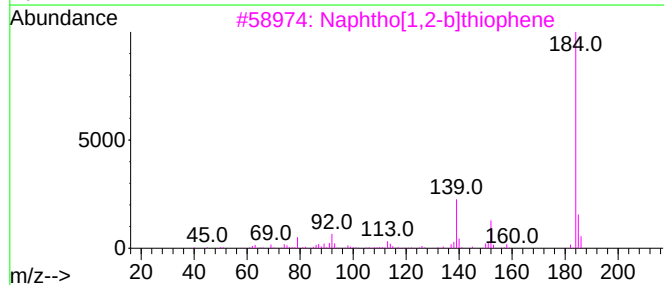
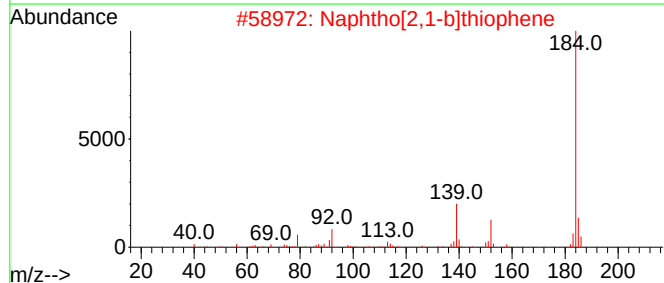
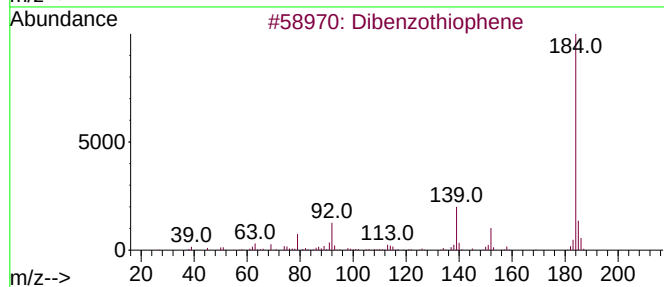
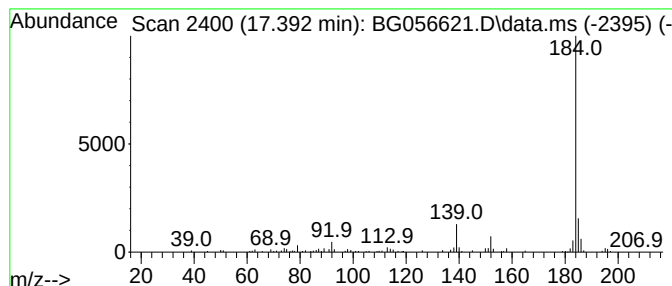
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.392	5.43 ng	137830	Phenanthrene-d10	17.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

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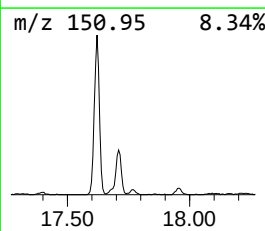
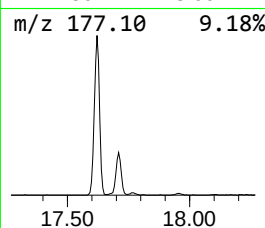
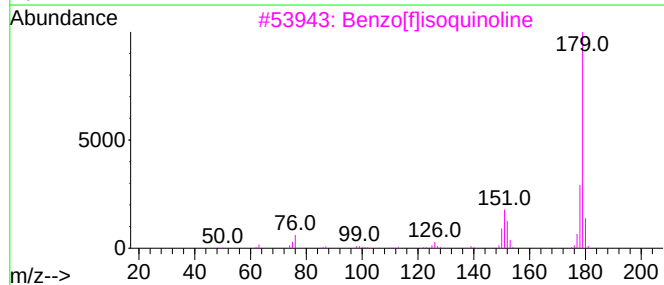
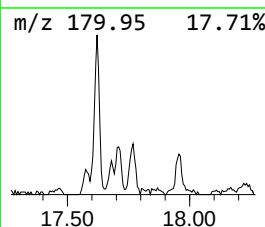
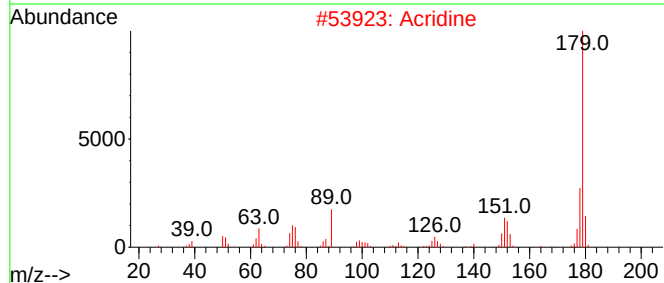
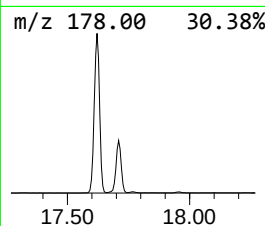
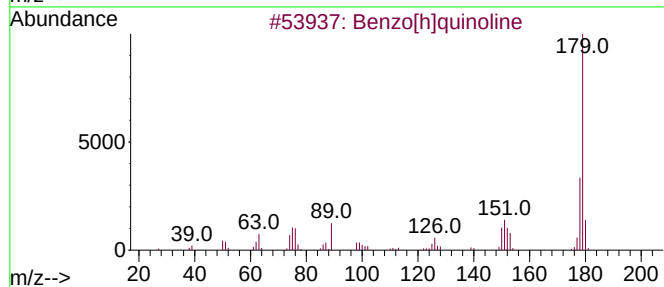
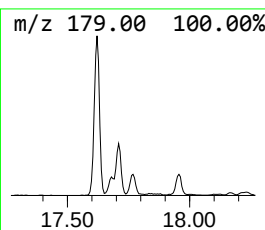
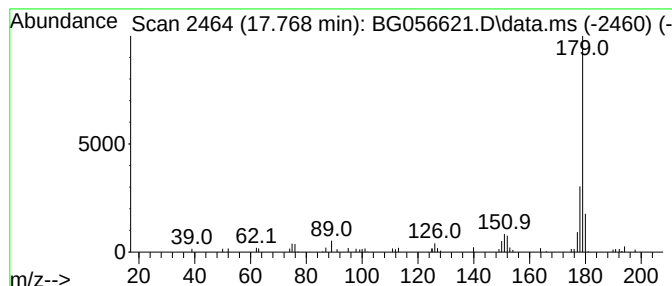
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzo[h]quinoline Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.768	2.99 ng	75804	Phenanthrene-d10	17.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[h]quinoline	179	C13H9N	000230-27-3	91
2			Acridine	179	C13H9N	000260-94-6	91
3			Benzo[f]isoquinoline	179	C13H9N	000229-67-4	91
4			Benzo[f]quinoline	179	C13H9N	000085-02-9	90
5			p-Phenylbenzonitrile	179	C13H9N	002920-38-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

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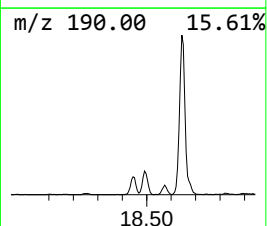
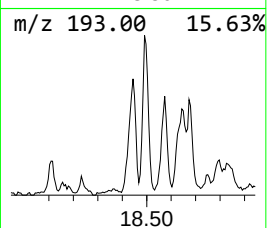
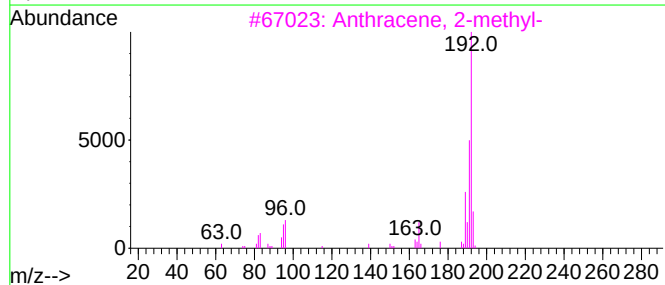
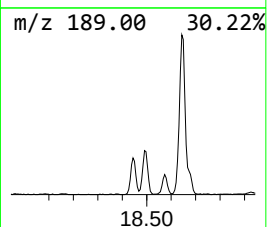
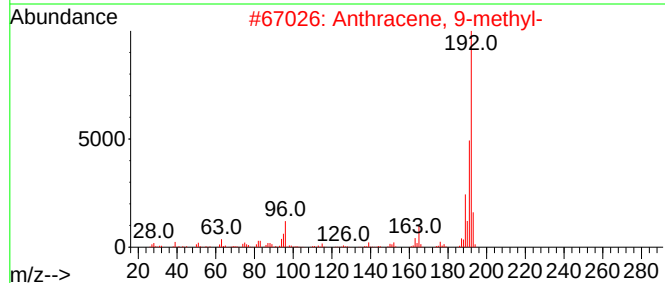
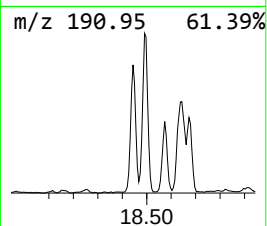
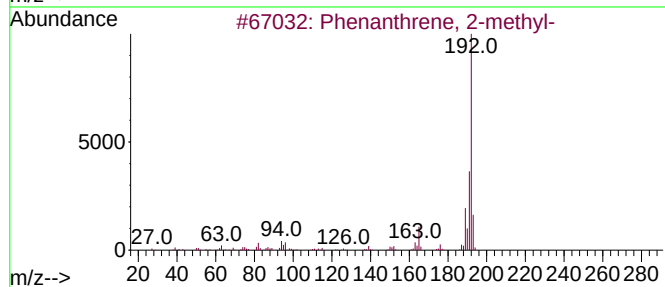
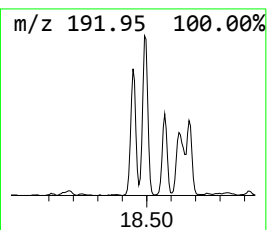
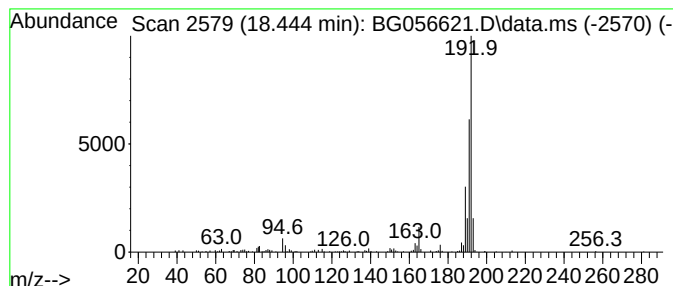
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.444	13.18 ng	334487	Phenanthrene-d10	17.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

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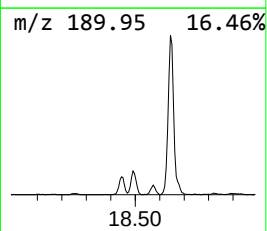
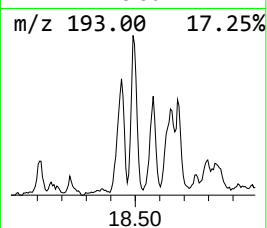
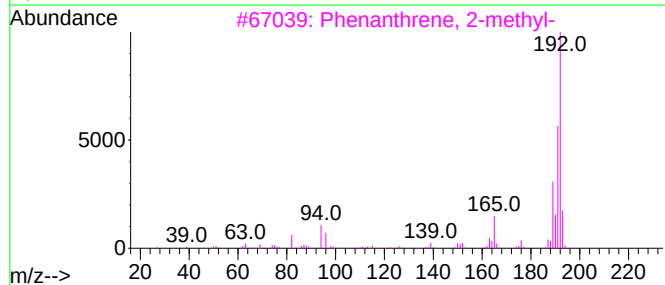
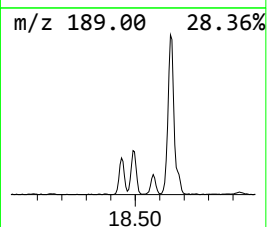
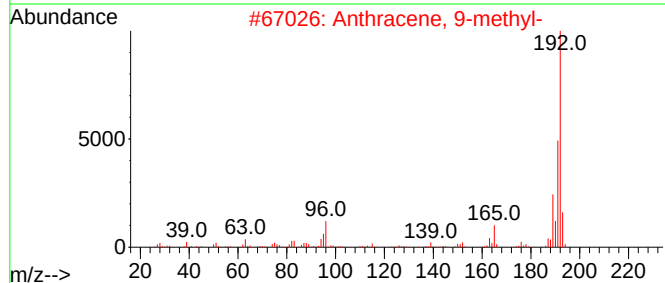
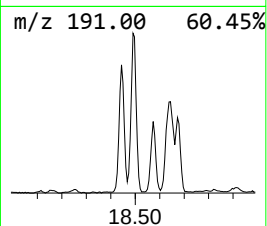
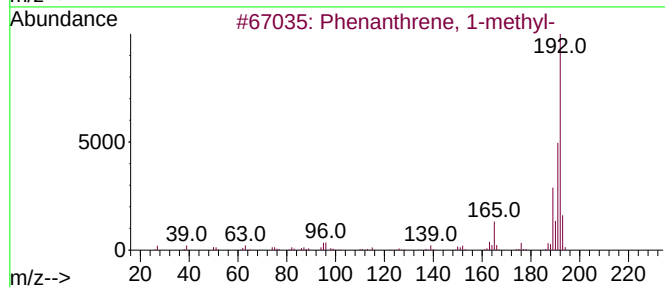
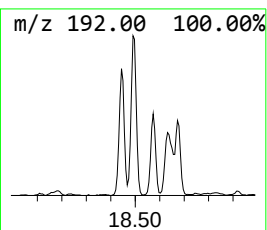
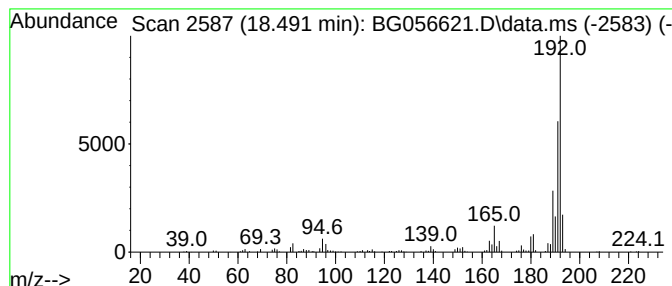
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.491	16.20 ng	411017	Phenanthrene-d10	17.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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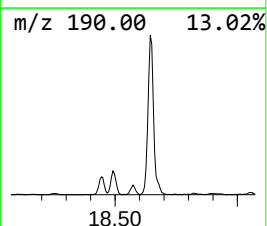
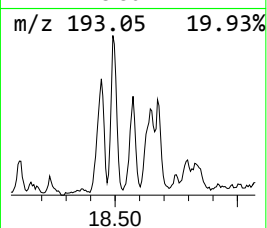
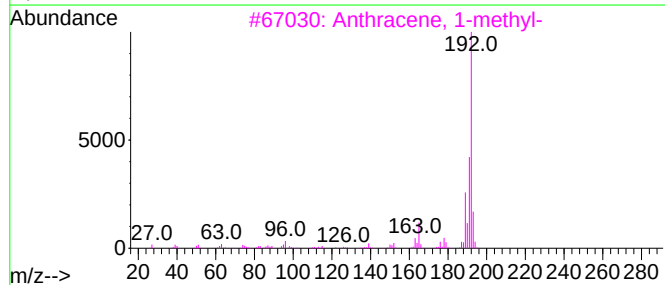
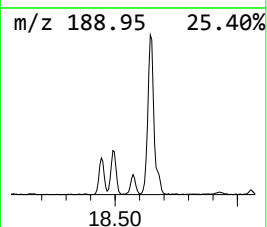
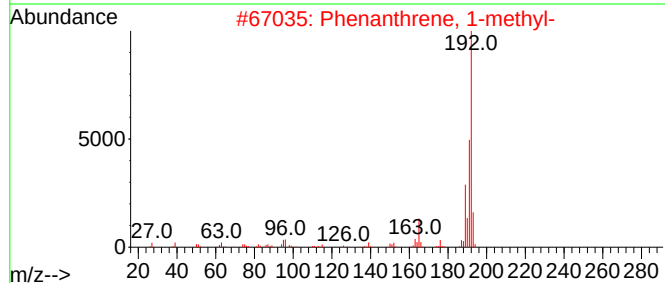
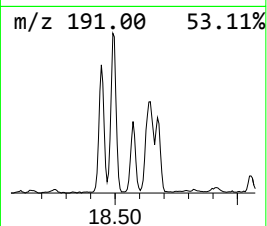
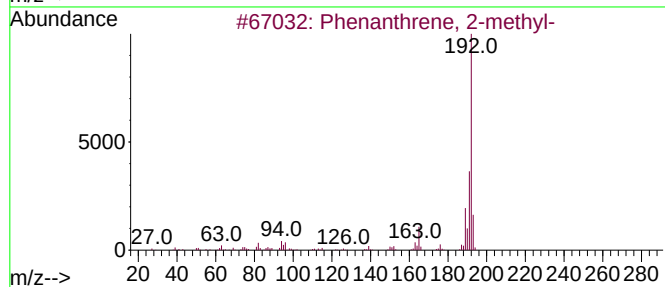
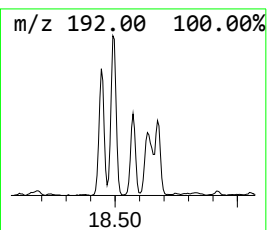
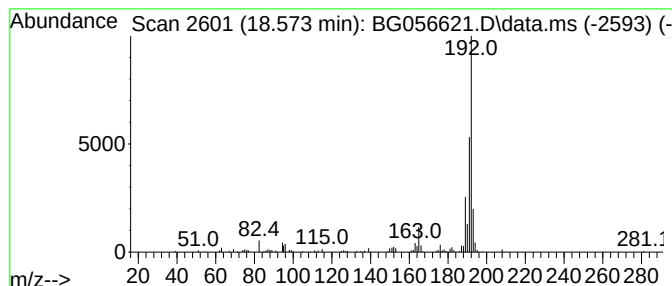
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.573	7.18 ng	182114	Phenanthrene-d10	17.574

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
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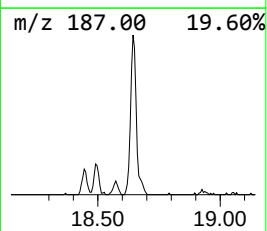
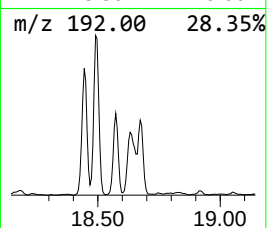
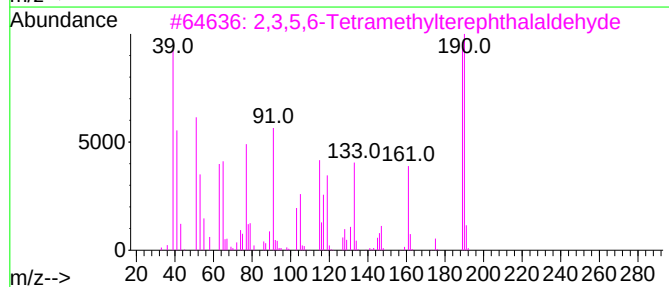
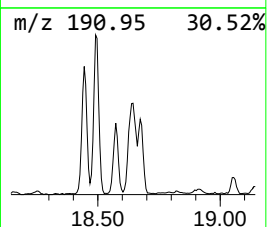
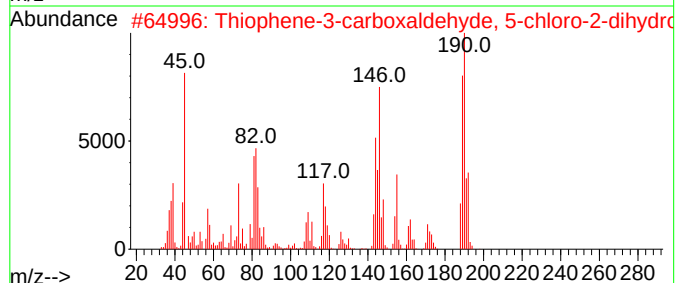
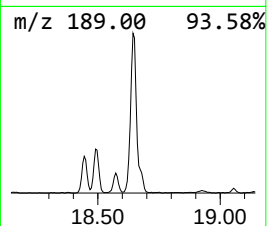
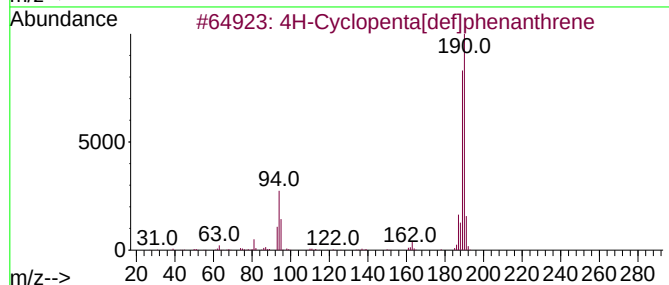
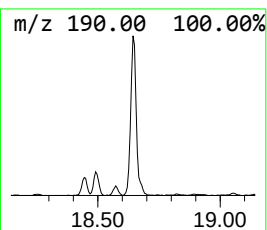
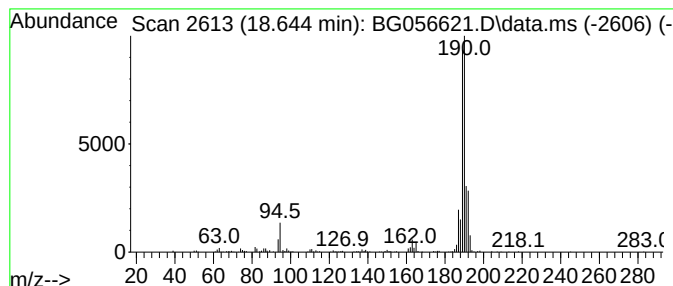
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SB-01-5.0-7.0

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.644	24.66 ng	625698	Phenanthrene-d10	17.574	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	35
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-01-5.0-7.0

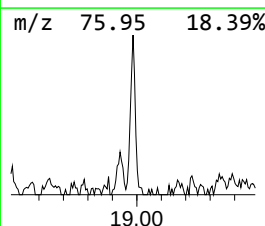
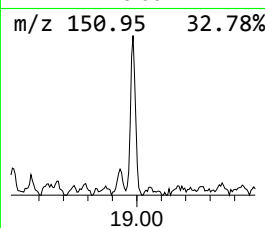
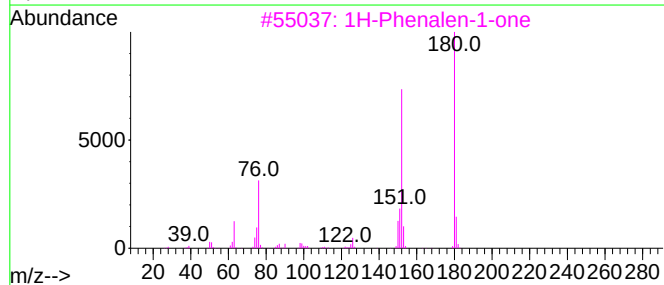
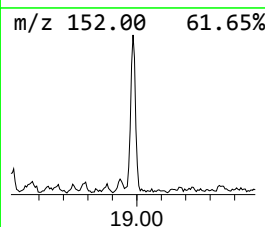
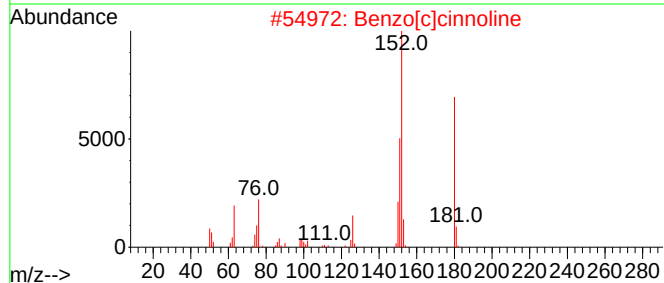
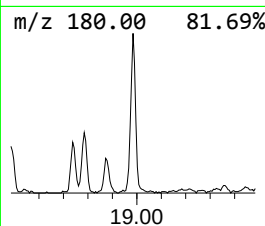
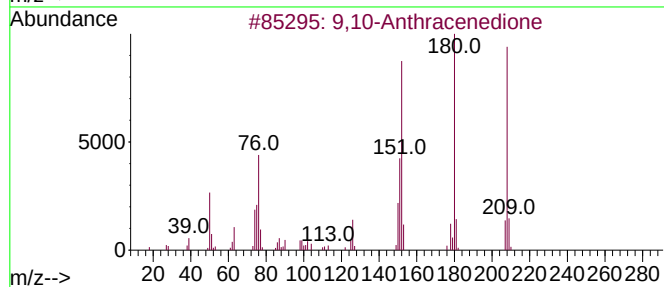
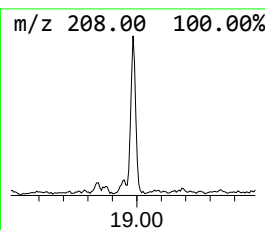
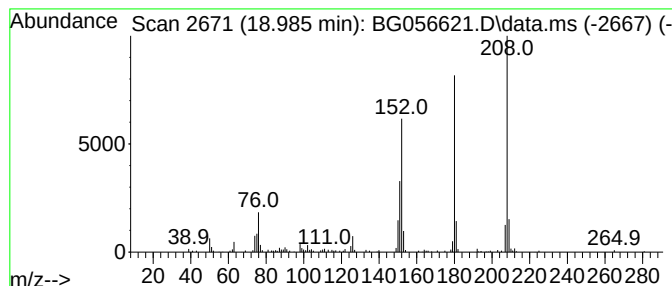
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.985	6.65 ng	168853	Phenanthrene-d10	17.574

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5		Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	003018-20-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
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Sample : 01529-05
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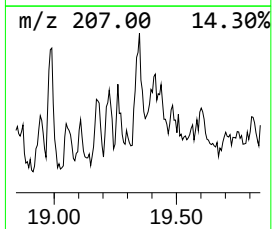
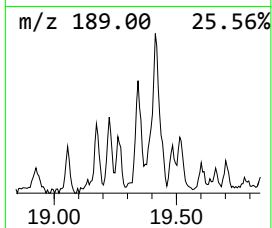
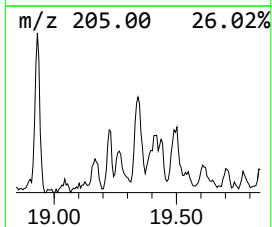
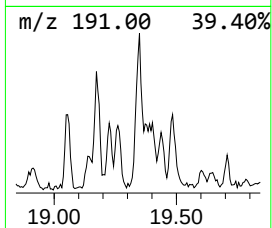
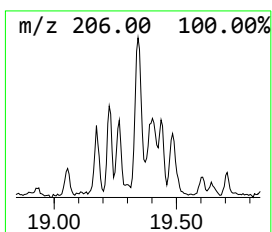
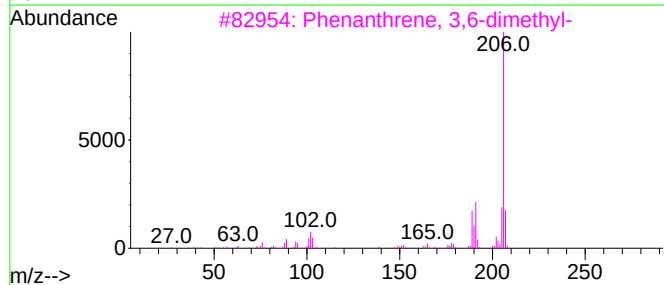
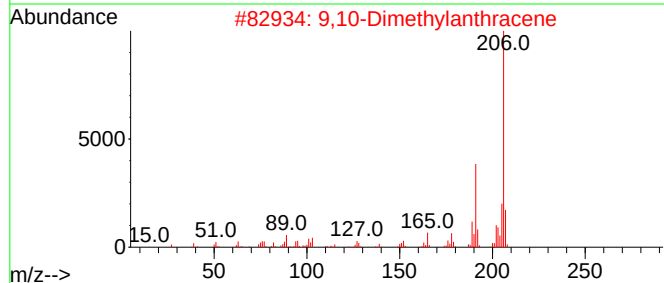
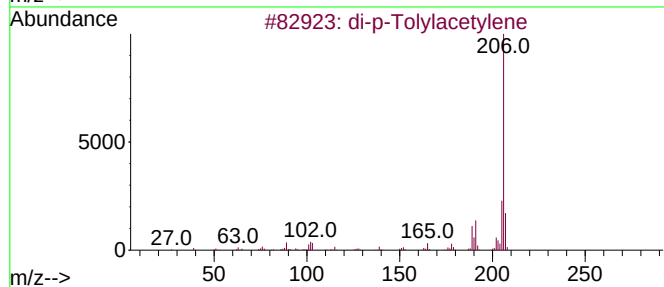
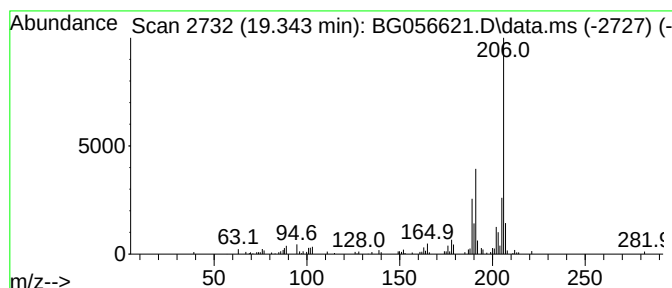
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.343	5.65 ng	143445	Phenanthrene-d10		17.574	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene		206	C16H14	002789-88-0	94
2	9,10-Dimethylantracene		206	C16H14	000781-43-1	92
3	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	91
4	3,4-Dimethylphenanthrene		206	C16H14	1000452-24-5	83
5	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
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Acq On : 13 Feb 2023 16:00
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Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

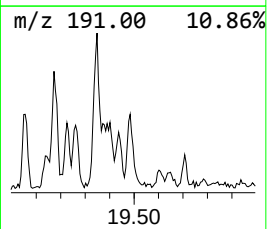
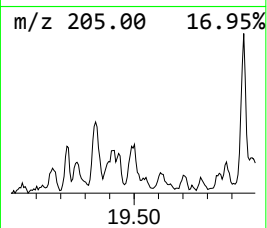
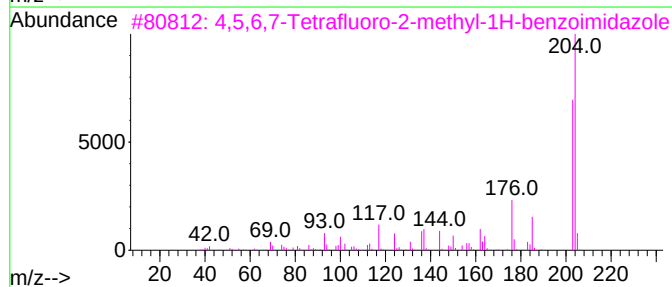
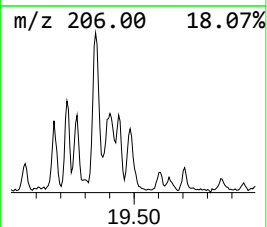
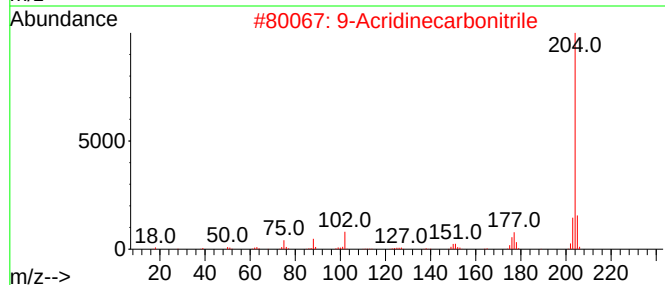
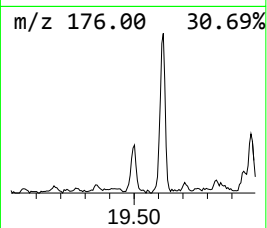
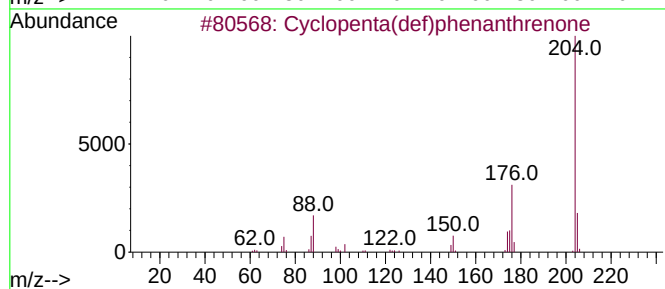
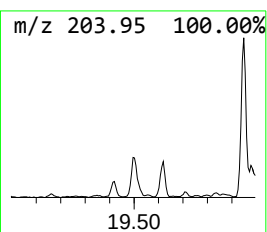
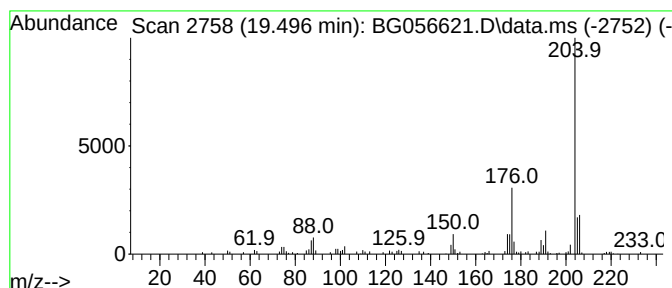
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SB-01-5.0-7.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.496	5.29 ng	134157	Phenanthrene-d10	17.574	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
3	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
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Acq On : 13 Feb 2023 16:00
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

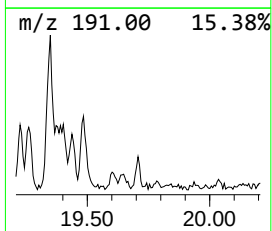
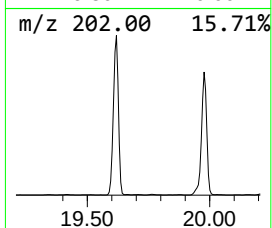
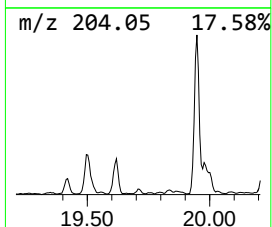
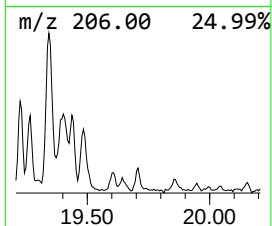
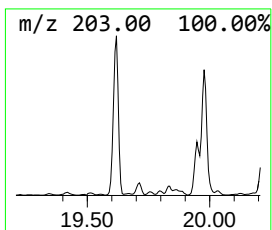
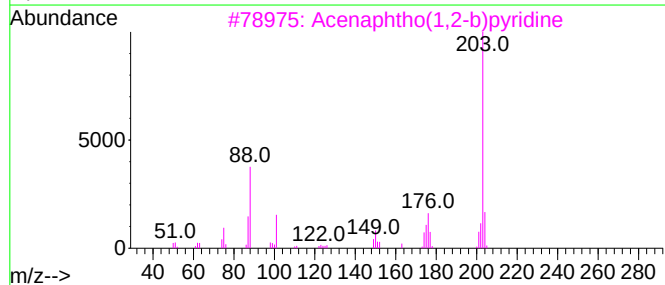
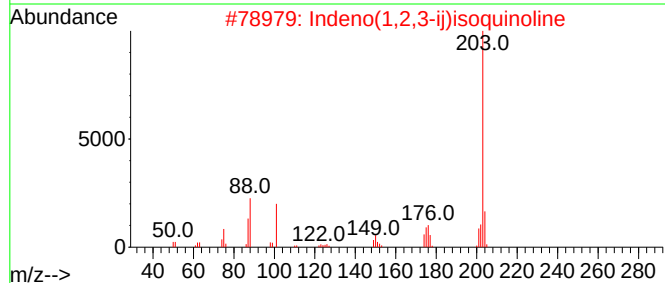
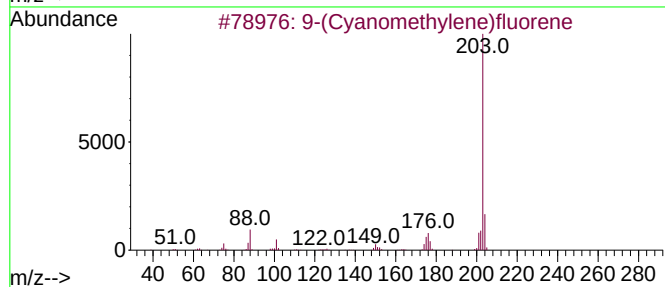
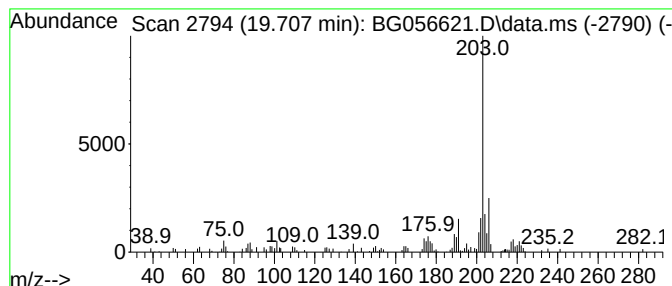
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9-(Cyanomethylene)fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.707	3.17 ng	80438	Phenanthrene-d10		17.574	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	9-(Cyanomethylene)fluorene		203	C15H9N	004425-74-5	86
2	Indeno(1,2,3-ij)isoquinoline		203	C15H9N	000206-56-4	86
3	Acenaphtho(1,2-b)pyridine		203	C15H9N	000206-49-5	70
4	9-Anthracenecarbonitrile		203	C15H9N	001210-12-4	70
5	9-Cyanophenanthrene		203	C15H9N	002510-55-6	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

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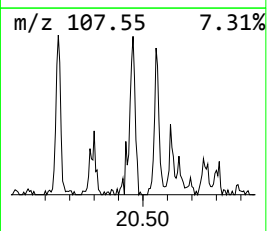
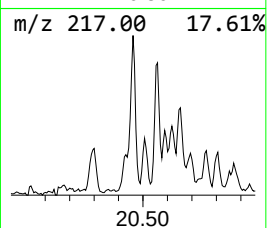
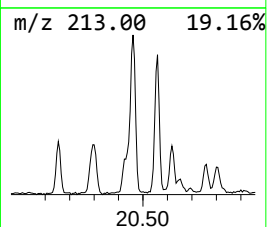
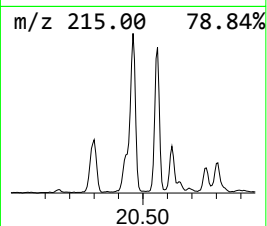
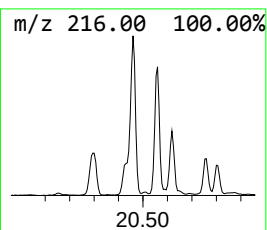
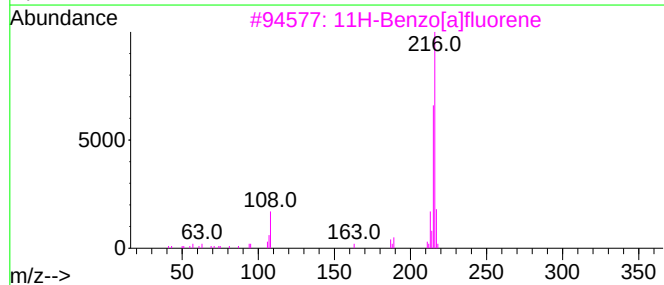
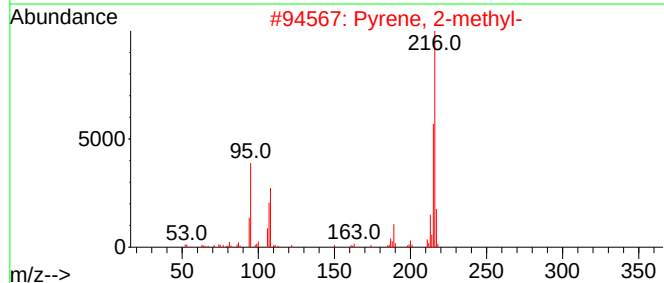
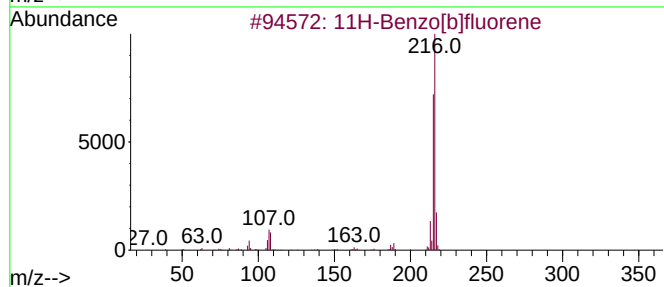
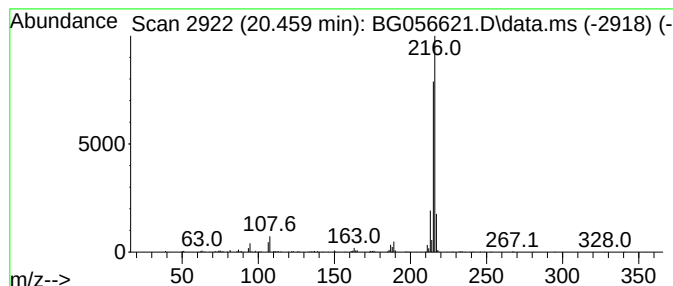
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.459	3.96 ng	546291	Chrysene-d12	21.858

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-01-5.0-7.0

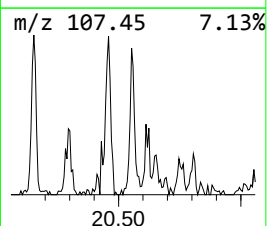
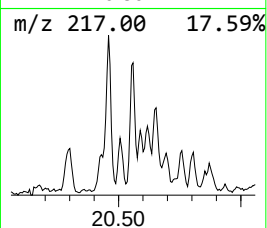
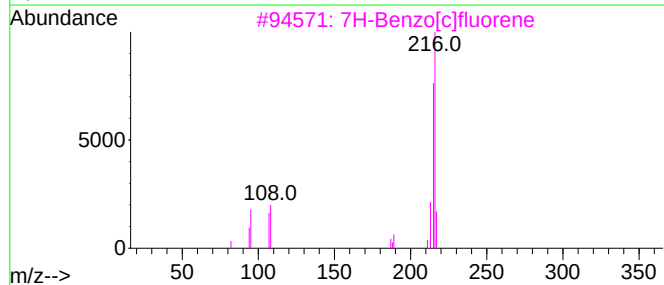
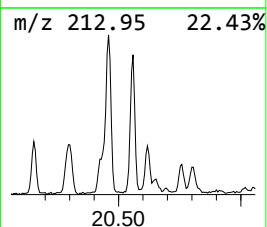
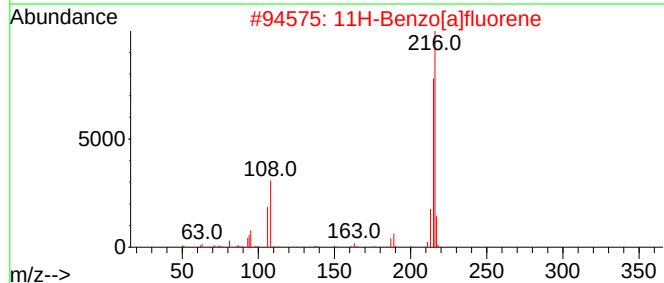
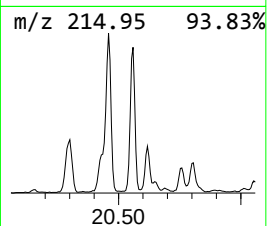
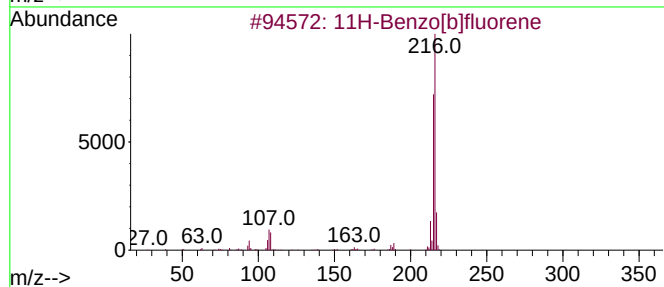
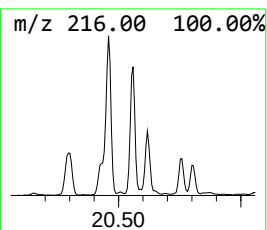
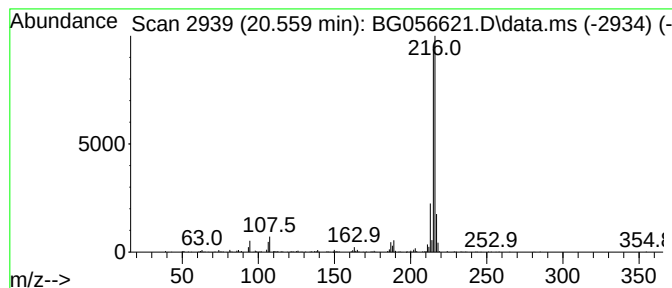
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.559	3.36 ng	463952	Chrysene-d12	21.858

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		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-5.0-7.0

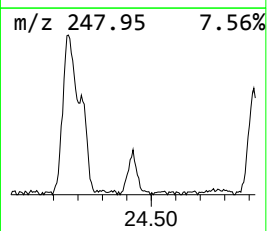
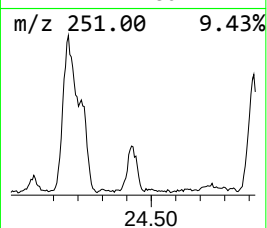
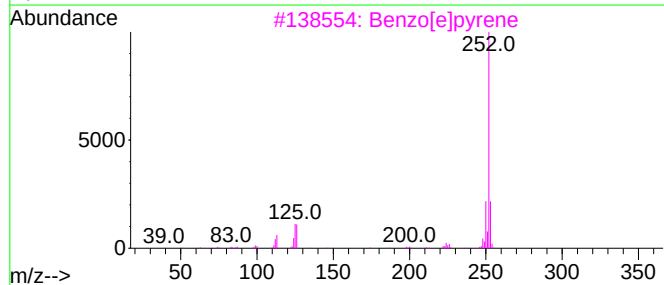
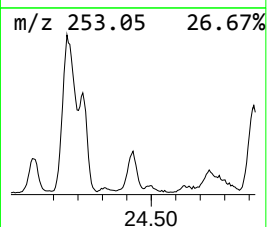
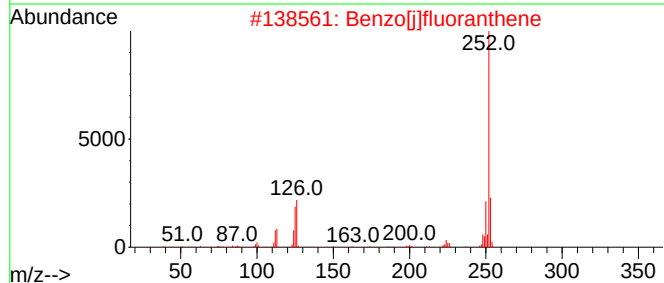
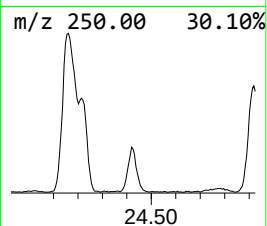
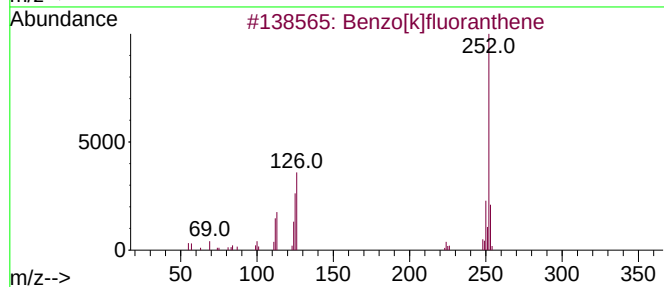
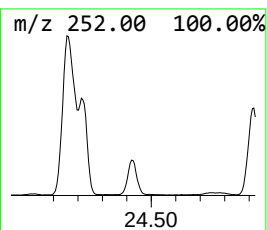
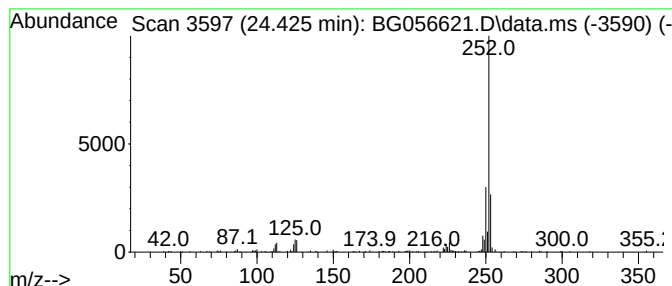
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[j]fluoranthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.425	9.64 ng	258615	Perylene-d12	25.230

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
3			Benzo[e]pyrene	252	C20H12	000192-97-2	90
4			Benzo[a]pyrene	252	C20H12	000050-32-8	89
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-5.0-7.0

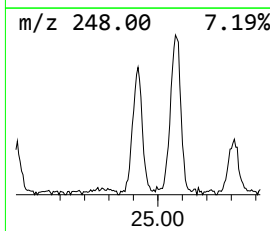
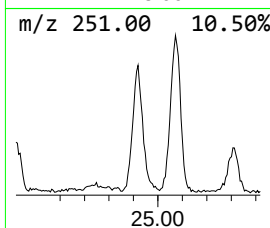
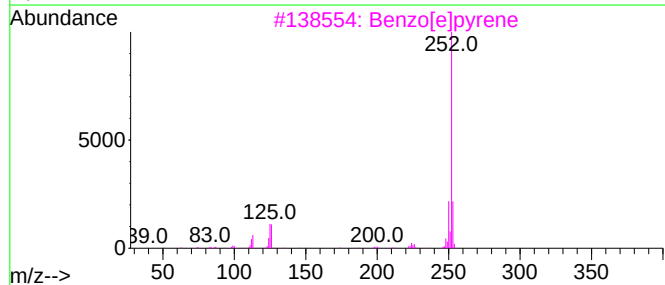
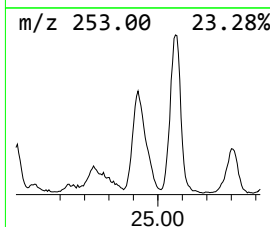
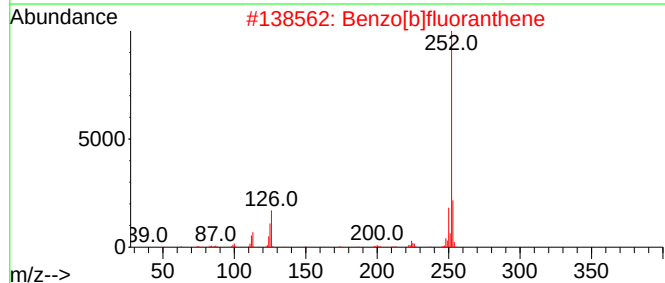
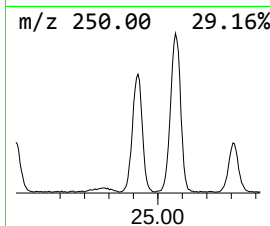
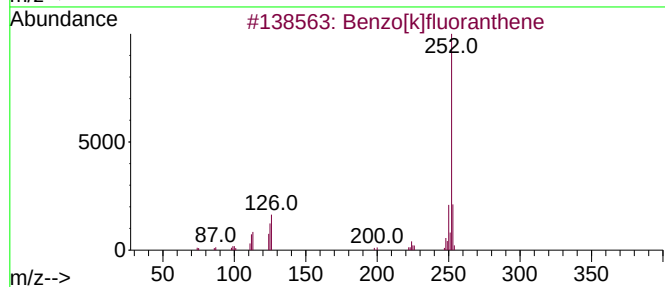
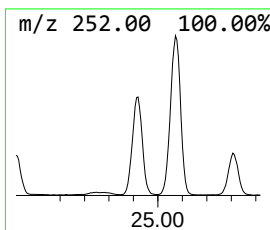
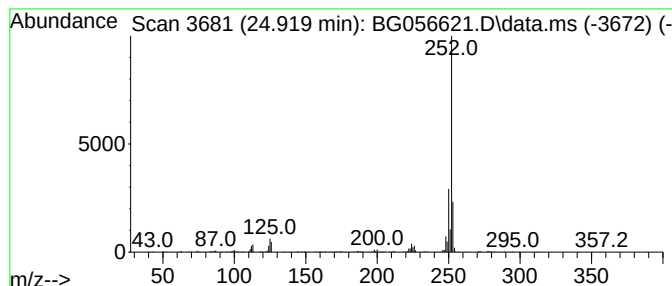
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.919	30.39 ng	815789	Perylene-d12	25.230

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3			Benzo[e]pyrene	252	C20H12	000192-97-2	91
4			Benzo[a]pyrene	252	C20H12	000050-32-8	91
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-5.0-7.0

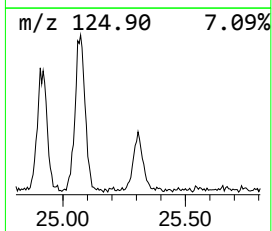
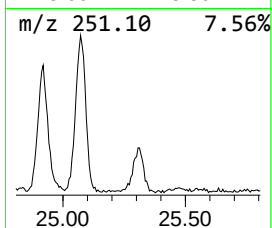
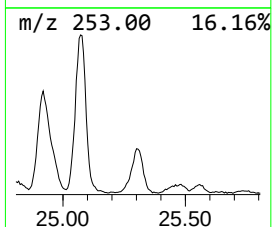
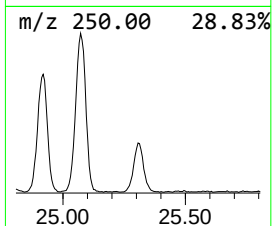
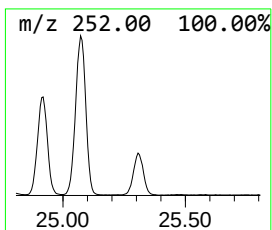
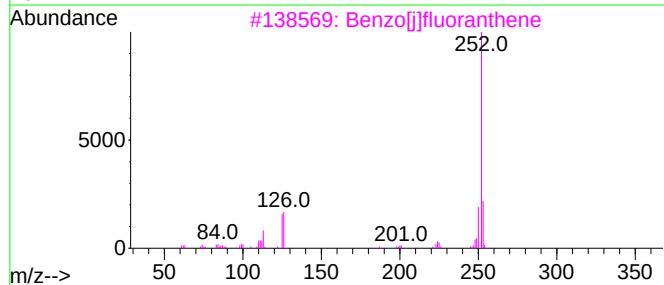
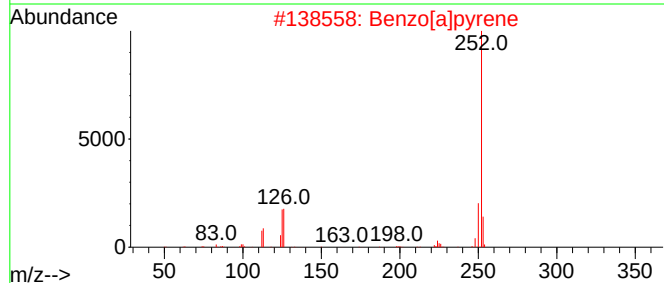
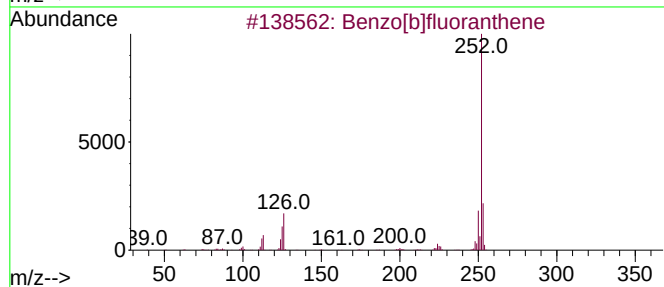
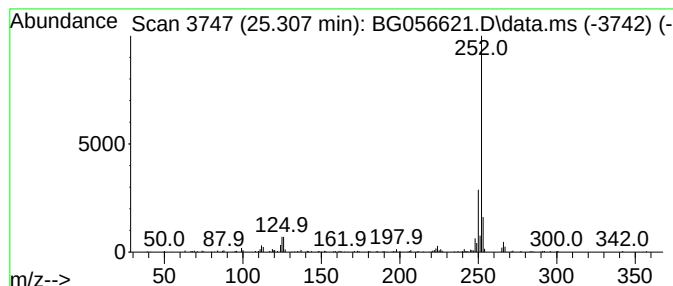
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.307	15.22 ng	408456	Perylene-d12	25.230

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]fluoranthene	252	C20H12	000205-99-2	76
2		Benzo[a]pyrene	252	C20H12	000050-32-8	70
3		Benzo[j]fluoranthene	252	C20H12	000205-82-3	64
4		Perylene	252	C20H12	000198-55-0	62
5		Benzo[e]pyrene	252	C20H12	000192-97-2	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056621.D
Acq On : 13 Feb 2023 16:00
Operator : CG/JU
Sample : 01529-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-5.0-7.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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-...	5.236	19.5	ng	166642	1	8.209	171110	20.0
Benzophenone	16.170	10.3	ng	195574	3	14.836	379754	20.0
9H-Fluorene, 1-...	16.875	4.4	ng	112271	4	17.574	507469	20.0
9H-Fluoren-9-one	17.234	3.7	ng	93290	4	17.574	507469	20.0
Dibenzothiophene	17.392	5.4	ng	137830	4	17.574	507469	20.0
Benzo[h]quinoline	17.768	3.0	ng	75804	4	17.574	507469	20.0
Phenanthrene, 2...	18.444	13.2	ng	334487	4	17.574	507469	20.0
Phenanthrene, 1...	18.491	16.2	ng	411017	4	17.574	507469	20.0
Anthracene, 1-m...	18.573	7.2	ng	182114	4	17.574	507469	20.0
4H-Cyclopenta[d...	18.644	24.7	ng	625698	4	17.574	507469	20.0
5,16[1',2']:8,1...	18.932	9.0	ng	229159	4	17.574	507469	20.0
9,10-Anthracene...	18.985	6.7	ng	168853	4	17.574	507469	20.0
di-p-Tolylacety...	19.343	5.7	ng	143445	4	17.574	507469	20.0
Cyclopenta(def)...	19.496	5.3	ng	134157	4	17.574	507469	20.0
9-(Cyanomethyle...	19.707	3.2	ng	80438	4	17.574	507469	20.0
11H-Benzo[b]flu...	20.459	4.0	ng	546291	5	21.858	2758690	20.0
11H-Benzo[a]flu...	20.559	3.4	ng	463952	5	21.858	2758690	20.0
Benzo[j]fluoran...	24.425	9.6	ng	258615	6	25.230	536809	20.0
Benzo[e]pyrene	24.919	30.4	ng	815789	6	25.230	536809	20.0
Perylene	25.307	15.2	ng	408456	6	25.230	536809	20.0