

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064725.D
 Acq On : 7 Nov 2025 20:59
 Operator : RC/JU
 Sample : Q3564-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-11062025

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-BG102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064725.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.260	24	29	44	rVB	232473	408493	7.69%	0.797%
2	5.733	443	450	465	rBV	211426	360770	6.79%	0.704%
3	7.337	715	723	734	rBV	204190	387193	7.28%	0.756%
4	8.201	863	870	879	rBV	177748	303858	5.72%	0.593%
5	9.364	1061	1068	1076	rBV	126452	237444	4.47%	0.463%
6	11.027	1339	1351	1357	rBV	228908	444165	8.36%	0.867%
7	13.454	1757	1764	1773	rBV	402235	661510	12.45%	1.291%
8	14.153	1876	1883	1888	rBV4	28881	60670	1.14%	0.118%
9	14.823	1986	1997	2003	rVV	424297	690727	13.00%	1.348%
10	14.887	2003	2008	2014	rVB2	66071	114094	2.15%	0.223%
11	15.216	2060	2064	2071	rVB	62690	105596	1.99%	0.206%
12	15.434	2092	2101	2106	rBV3	25261	54019	1.02%	0.105%
13	15.863	2167	2174	2186	rBV2	97939	189540	3.57%	0.370%
14	16.162	2219	2225	2232	rVB2	71358	135546	2.55%	0.265%
15	16.303	2241	2249	2257	rBV2	377223	677179	12.74%	1.322%
16	16.515	2280	2285	2288	rBV2	60407	102830	1.93%	0.201%
17	16.867	2336	2345	2349	rBV4	52143	116019	2.18%	0.226%
18	17.091	2376	2383	2386	rBV4	57399	113062	2.13%	0.221%
19	17.302	2411	2419	2424	rVV2	55650	140009	2.63%	0.273%
20	17.379	2427	2432	2440	rVB3	70513	130196	2.45%	0.254%
21	17.561	2457	2463	2466	rBV	517410	825724	15.53%	1.611%
22	17.602	2466	2470	2477	rVV	1004842	1497534	28.17%	2.922%
23	17.690	2480	2485	2490	rVV	366064	555190	10.45%	1.083%
24	17.743	2490	2494	2500	rVB2	44847	86291	1.62%	0.168%
25	17.954	2526	2530	2533	rBV	38107	64646	1.22%	0.126%
26	18.078	2548	2551	2555	rVB	43021	53246	1.00%	0.104%
27	18.142	2558	2562	2570	rVB4	43404	84205	1.58%	0.164%
28	18.430	2606	2611	2615	rBV	259308	390873	7.35%	0.763%
29	18.483	2615	2620	2626	rVB	323191	518793	9.76%	1.012%
30	18.559	2628	2633	2638	rBV2	182509	280510	5.28%	0.547%
31	18.630	2638	2645	2649	rBV2	399180	808327	15.21%	1.577%
32	18.924	2690	2695	2698	rBV	181112	252573	4.75%	0.493%
33	18.959	2698	2701	2708	rVB3	47763	82604	1.55%	0.161%
34	19.165	2733	2736	2741	rVV2	70120	88425	1.66%	0.173%
35	19.218	2741	2745	2748	rVV	74649	103741	1.95%	0.202%
36	19.253	2748	2751	2755	rVB	83227	102683	1.93%	0.200%

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Peak separation: 5

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37	19.335	2760	2765	2771	rBV2	210284	419295	7.89%	0.818%
38	19.400	2772	2776	2780	rVV2	133036	251373	4.73%	0.491%
39	19.476	2784	2789	2803	rVB3	153438	342257	6.44%	0.668%
40	19.605	2804	2811	2816	rBV	3526339	5315271	100.00%	10.373%
41	19.658	2816	2820	2823	rVV	67940	103170	1.94%	0.201%
42	19.693	2823	2826	2830	rVB2	94607	122416	2.30%	0.239%
43	19.787	2838	2842	2845	rBV5	43347	58650	1.10%	0.114%
44	19.840	2847	2851	2854	rVV	112979	144643	2.72%	0.282%
45	19.928	2860	2866	2868	rBV2	695596	1106410	20.82%	2.159%
46	19.964	2868	2872	2878	rVV	3039458	4520408	85.05%	8.822%
47	20.028	2879	2883	2889	rVB2	221271	370289	6.97%	0.723%
48	20.146	2896	2903	2908	rBV2	935018	1449196	27.26%	2.828%
49	20.193	2908	2911	2919	rVB3	123505	187437	3.53%	0.366%
50	20.281	2919	2926	2932	rBV2	296214	771952	14.52%	1.506%
51	20.410	2943	2948	2949	rBV	175446	249439	4.69%	0.487%
52	20.445	2950	2954	2959	rVB	585522	842741	15.86%	1.645%
53	20.545	2966	2971	2974	rBV	366645	480741	9.04%	0.938%
54	20.604	2974	2981	2985	rVV2	320471	620016	11.66%	1.210%
55	20.681	2991	2994	2999	rVB2	85077	126449	2.38%	0.247%
56	20.739	3001	3004	3008	rBV	176331	255303	4.80%	0.498%
57	20.786	3009	3012	3016	rVB2	171907	212348	4.00%	0.414%
58	21.209	3080	3084	3092	rVB	268352	451368	8.49%	0.881%
59	21.403	3110	3117	3120	rBV3	246410	522324	9.83%	1.019%
60	21.444	3121	3124	3129	rVV	315123	542526	10.21%	1.059%
61	21.497	3129	3133	3138	rVV2	329652	611027	11.50%	1.192%
62	21.550	3138	3142	3151	rVB2	269424	523631	9.85%	1.022%
63	21.820	3177	3188	3195	rBV2	2028601	4976798	93.63%	9.712%
64	21.885	3195	3199	3211	rVB	1591049	2871116	54.02%	5.603%
65	22.044	3221	3226	3233	rBV	281433	507928	9.56%	0.991%
66	22.249	3256	3261	3269	rBV	171396	327778	6.17%	0.640%
67	22.590	3315	3319	3324	rVB	263240	462231	8.70%	0.902%
68	22.661	3327	3331	3338	rVB2	194459	360525	6.78%	0.704%
69	24.118	3570	3579	3587	rBV2	1034945	3807567	71.63%	7.431%
70	24.376	3618	3623	3632	rVB	253683	563889	10.61%	1.100%
71	24.870	3699	3707	3718	rVB	570743	1837016	34.56%	3.585%
72	25.022	3723	3733	3745	rVB	960856	2780967	52.32%	5.427%
73	25.169	3751	3758	3765	rBV	326349	917446	17.26%	1.790%

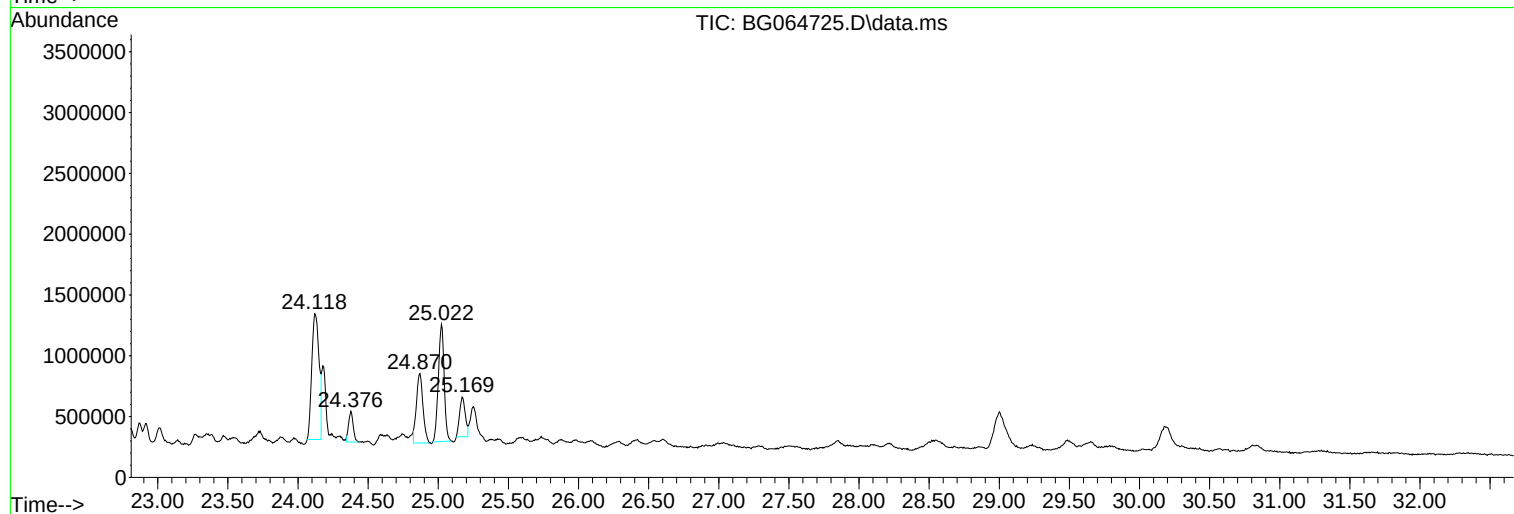
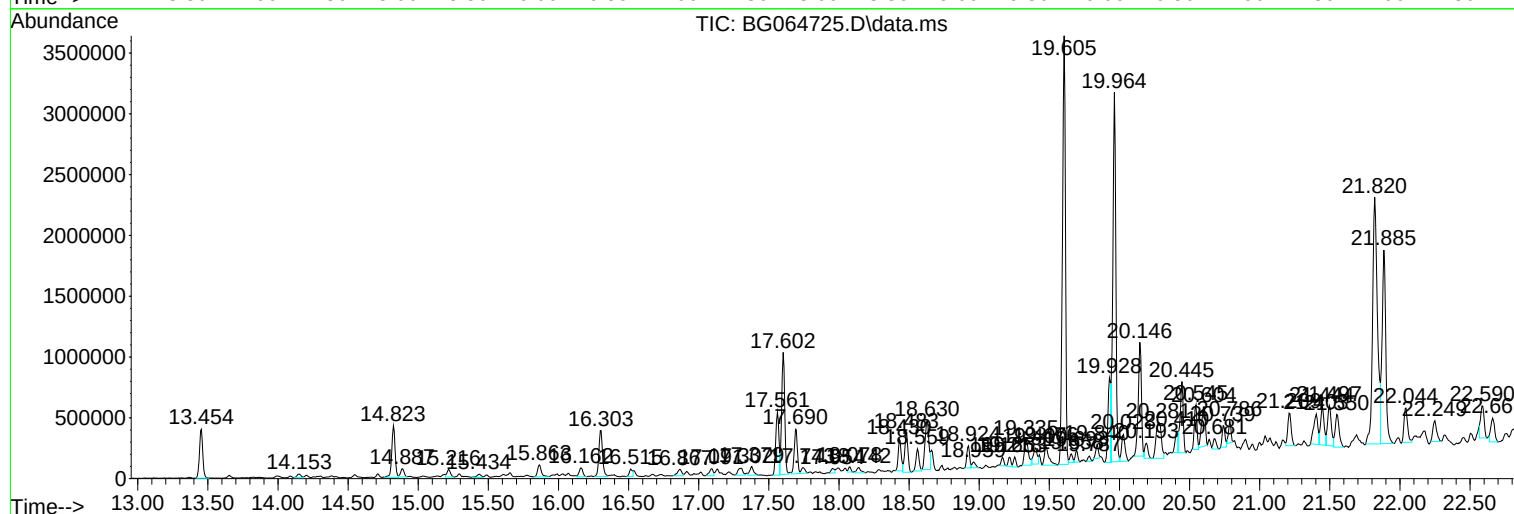
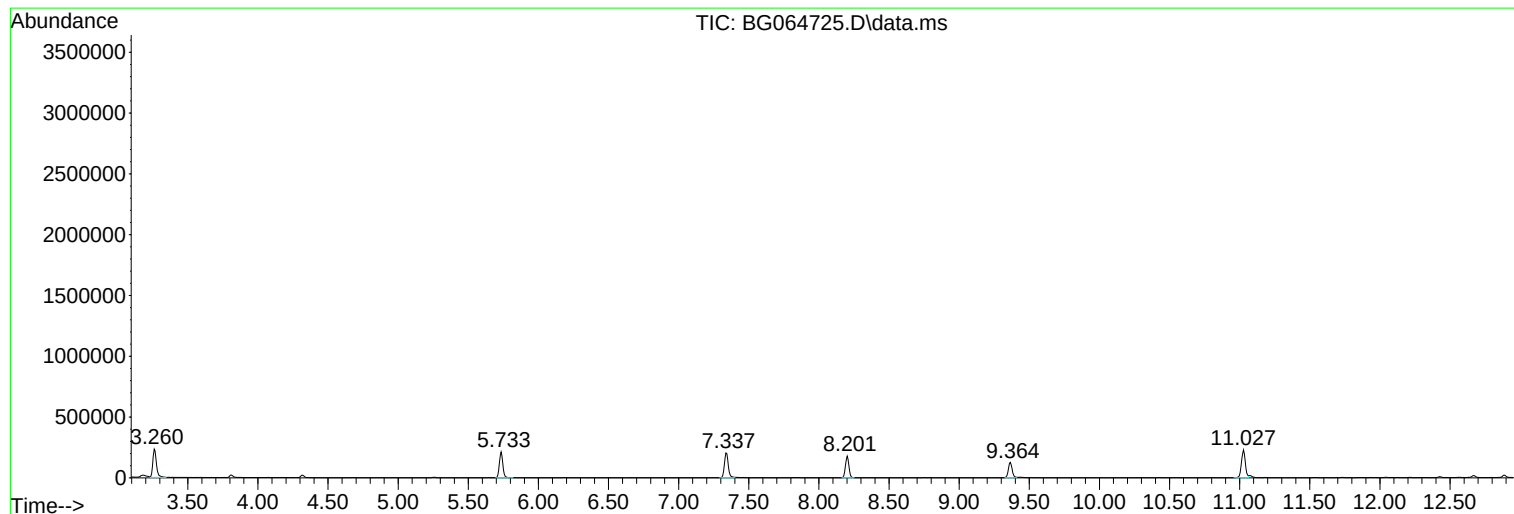
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
Operator : RC/JU
Sample : Q3564-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

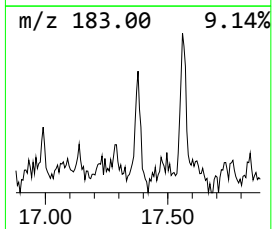
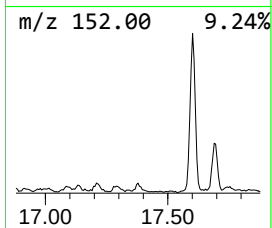
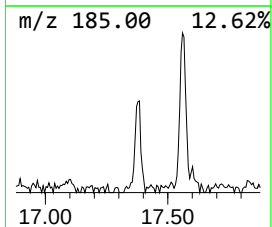
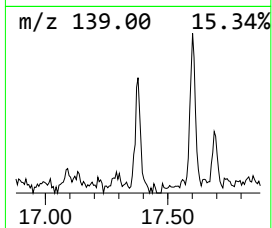
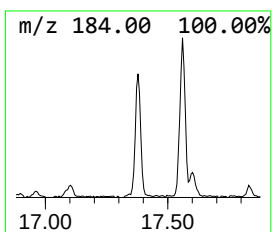
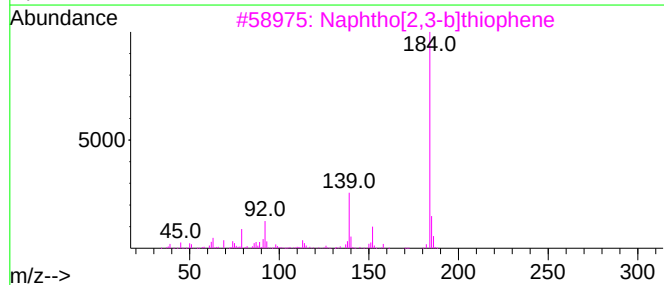
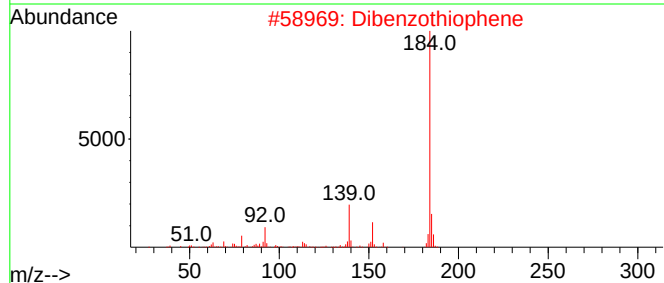
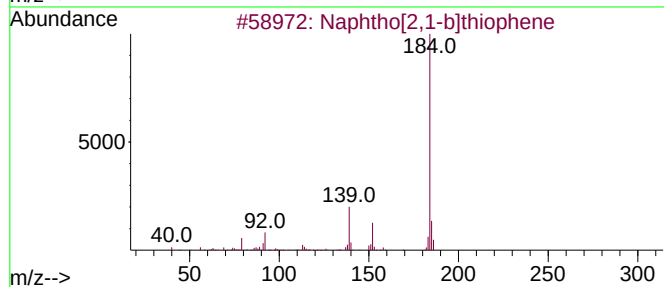
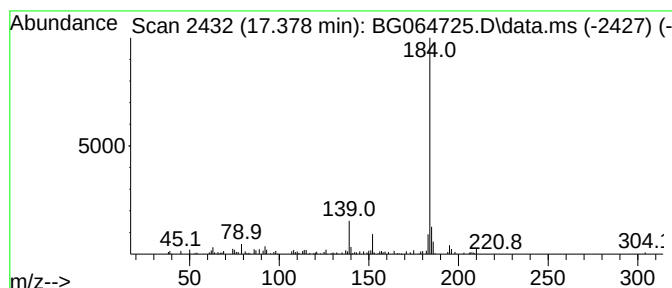
Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.378	3.15 ng	130196	Phenanthrene-d10		17.561	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene		184	C12H8S	000233-02-3	93
2	Dibenzothiophene		184	C12H8S	000132-65-0	90
3	Naphtho[2,3-b]thiophene		184	C12H8S	000268-77-9	74
4	Dibenzothiophene, 5-oxide		200	C12H8OS	001013-23-6	64
5	Azuleno(2,1-b)thiophene		184	C12H8S	000248-13-5	64



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Instrument :
BNA_G
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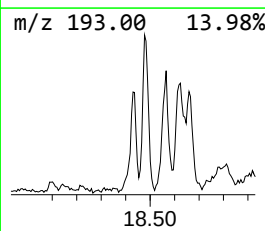
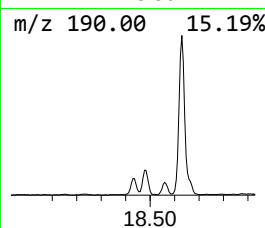
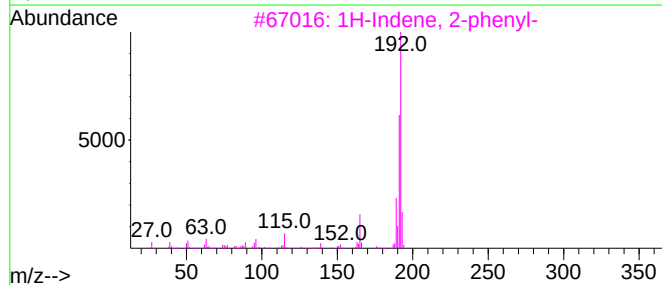
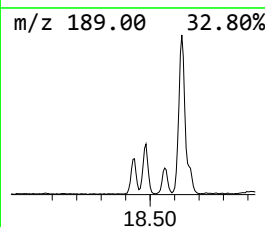
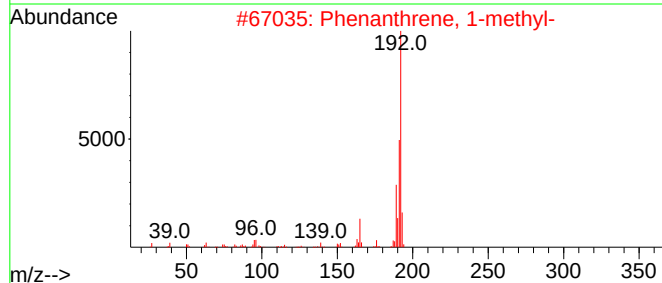
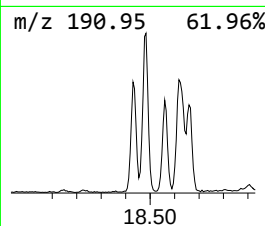
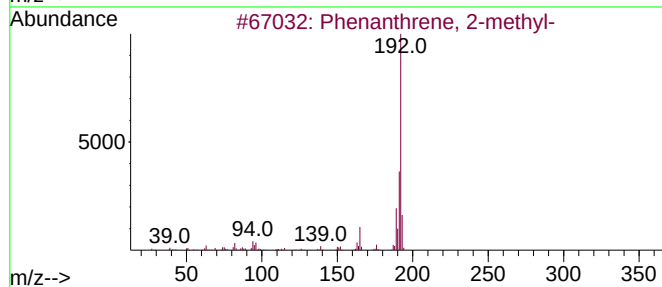
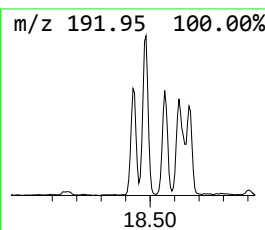
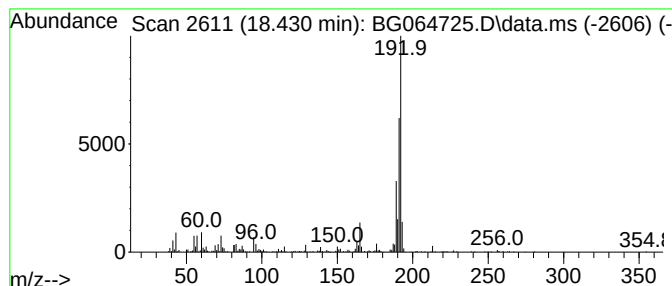
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.430	9.47 ng	390873	Phenanthrene-d10	17.561

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			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



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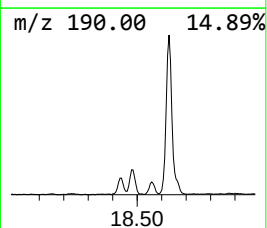
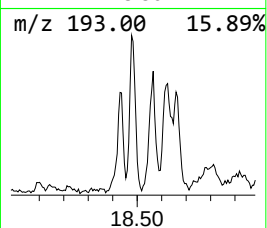
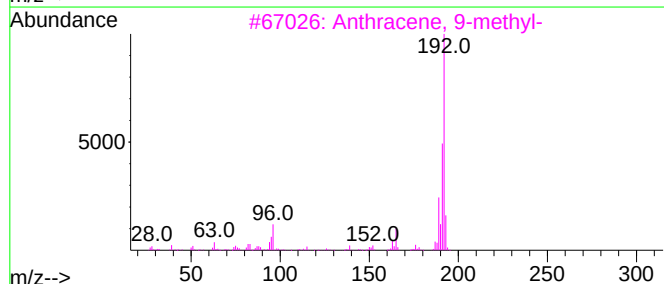
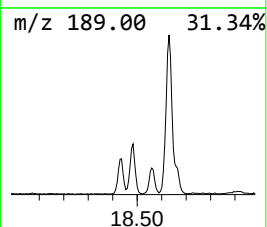
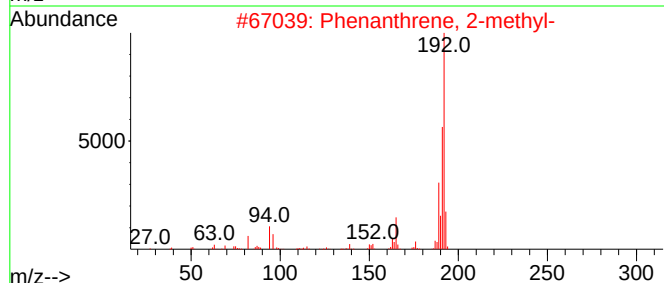
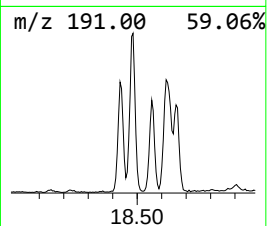
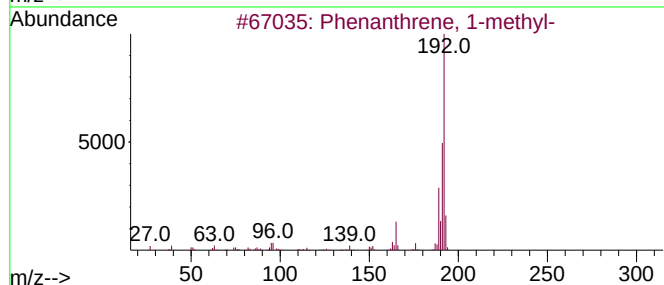
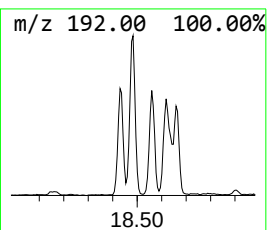
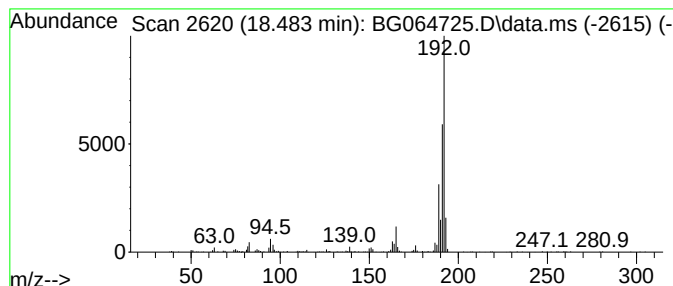
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.483	12.57 ng	518793	Phenanthrene-d10	17.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



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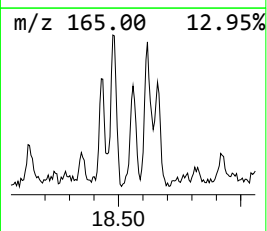
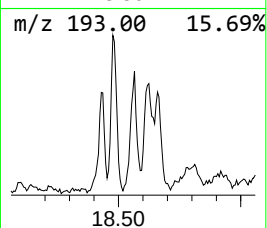
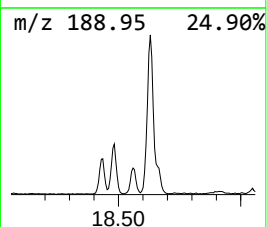
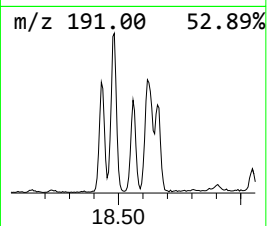
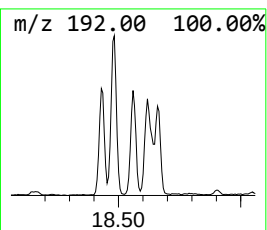
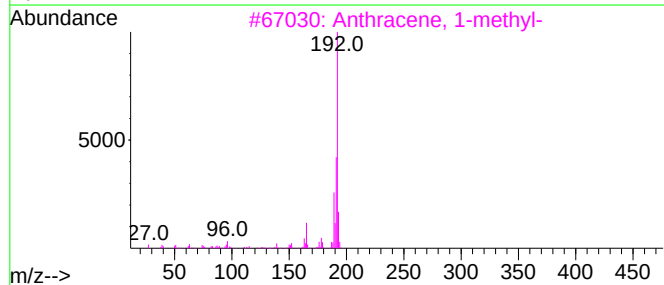
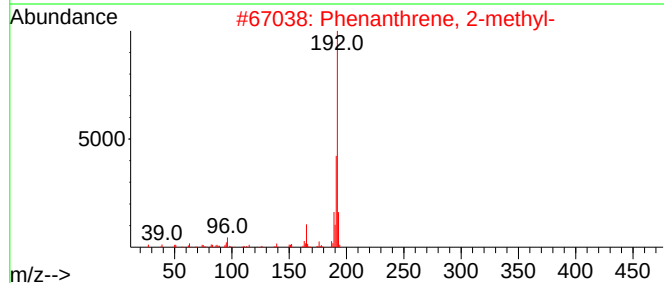
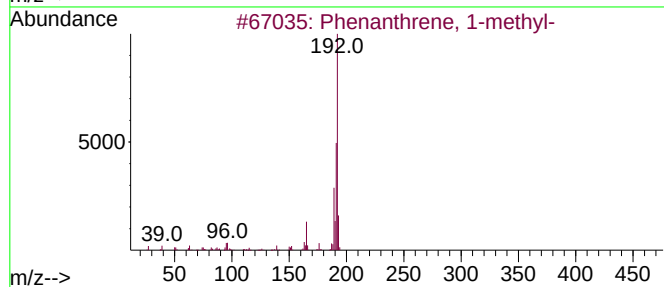
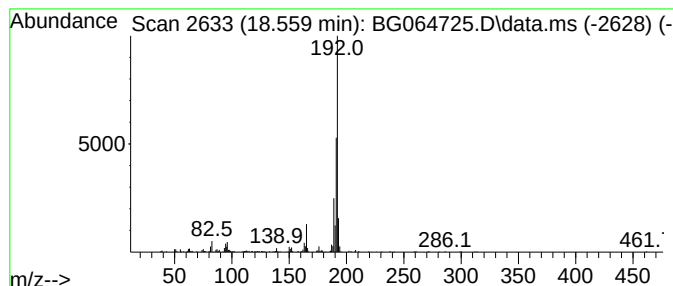
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.560	6.79 ng	280510	Phenanthrene-d10	17.561

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
Operator : RC/JU
Sample : Q3564-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

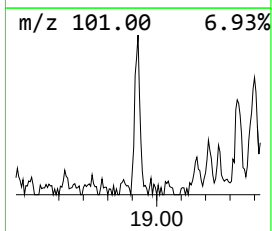
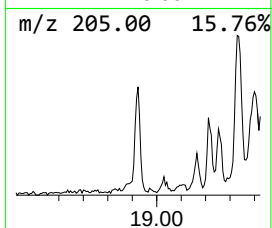
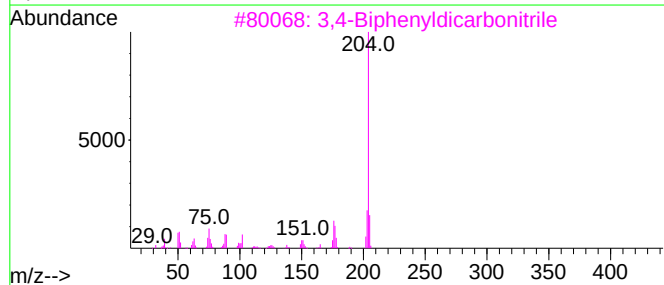
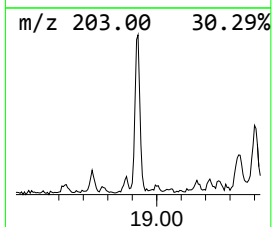
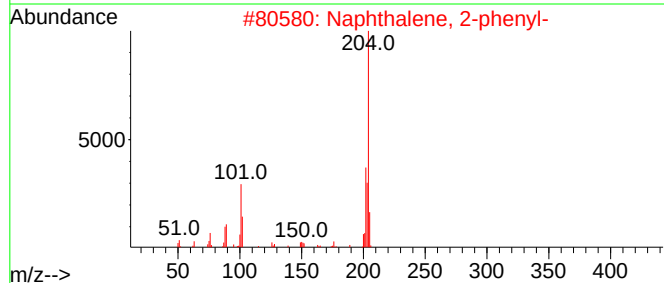
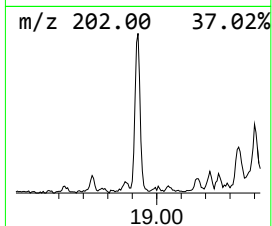
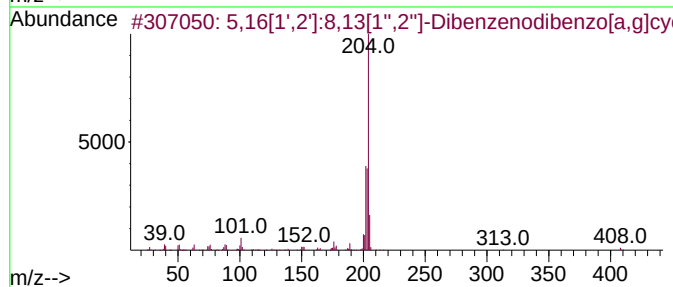
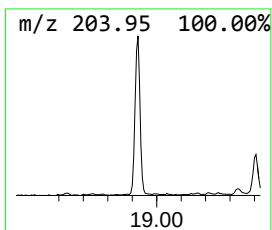
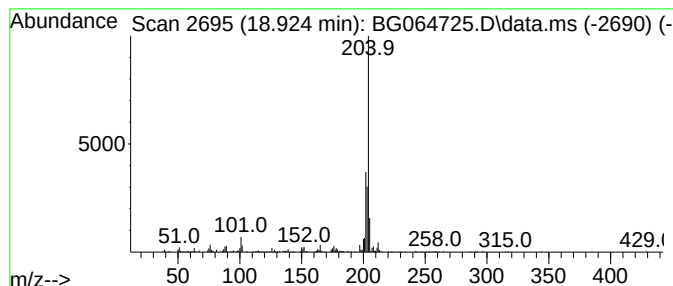
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD			R.T.
18.924	6.12 ng	252573	Phenanthrene-d10			17.561
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...		408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-		204	C16H12	000612-94-2	76
3	3,4-Biphenyldicarbonitrile		204	C14H8N2	004128-63-6	52
4	Naphthalene, 1-phenyl-		204	C16H12	000605-02-7	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile		204	C14H8N2	001591-30-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
Operator : RC/JU
Sample : Q3564-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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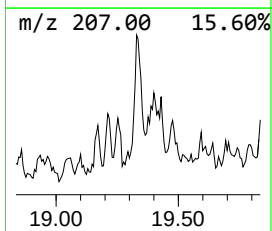
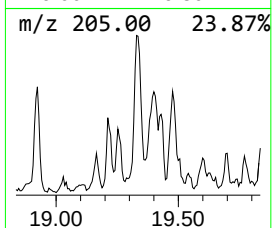
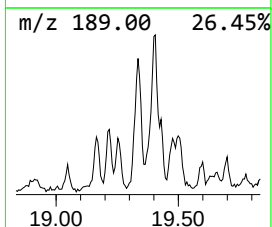
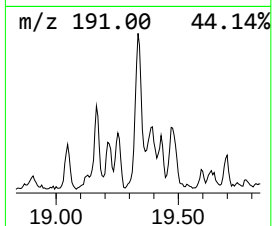
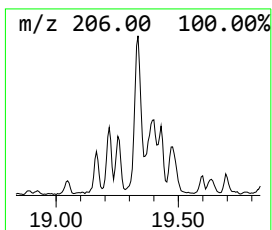
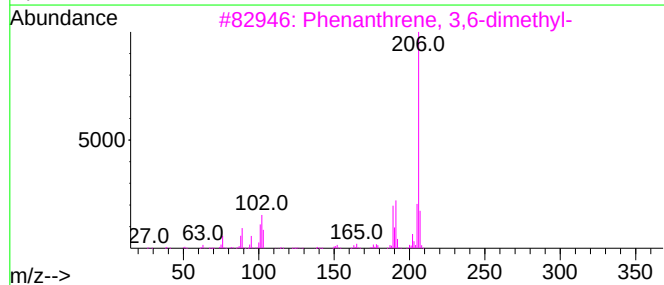
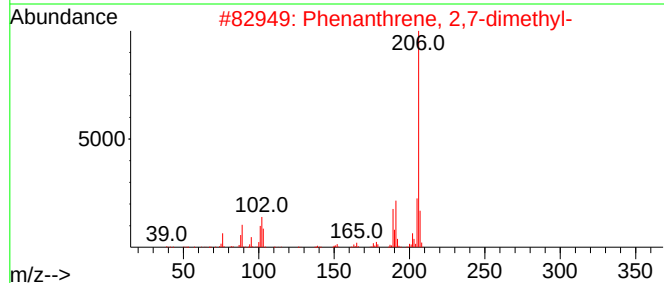
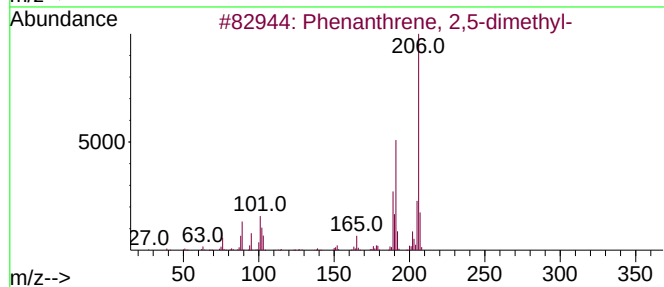
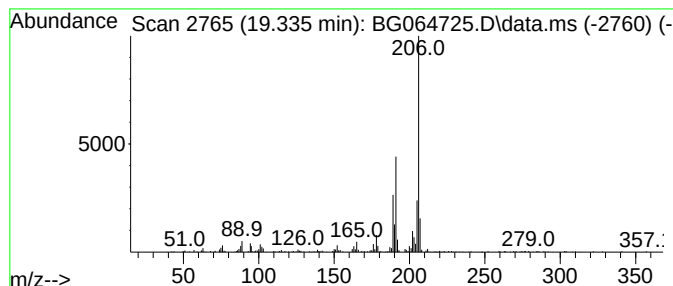
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.335	10.16 ng	419295	Phenanthrene-d10	17.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76
5			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
Operator : RC/JU
Sample : Q3564-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-11062025

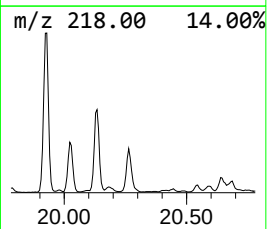
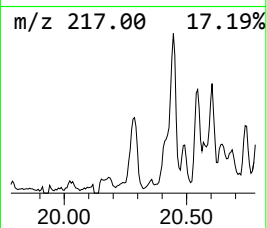
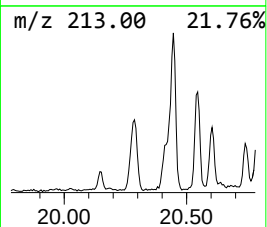
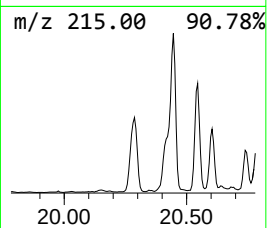
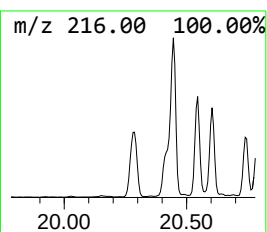
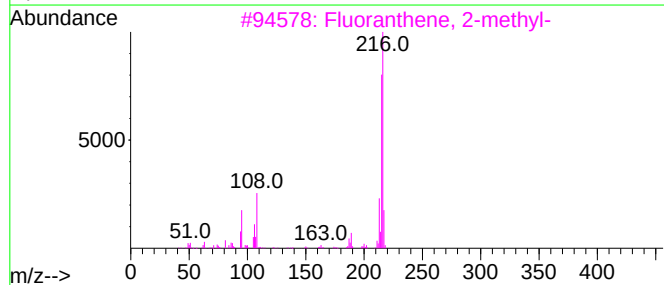
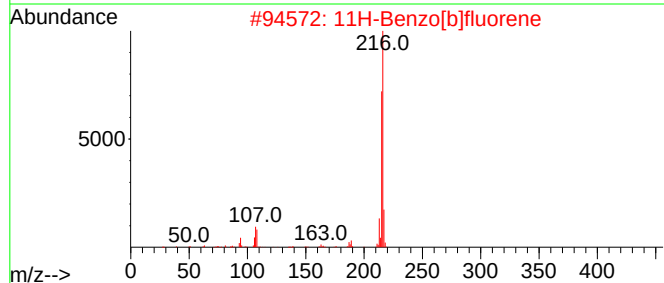
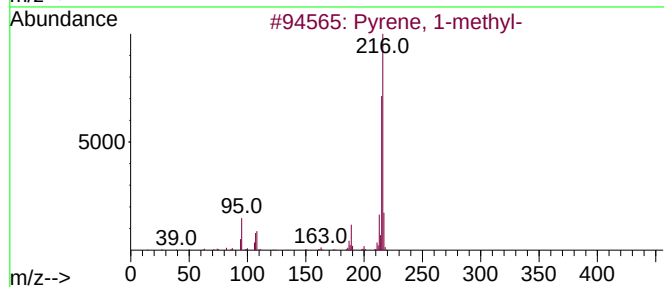
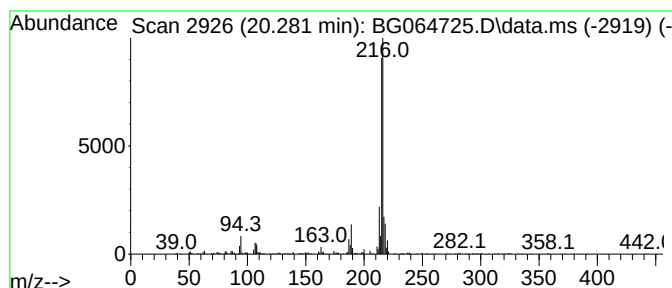
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.281	3.10 ng	771952	Chrysene-d12	21.838

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
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Sample : Q3564-01 2X
Misc :
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Instrument :
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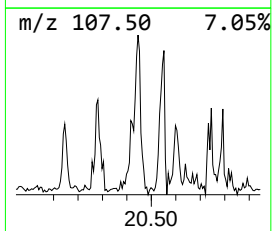
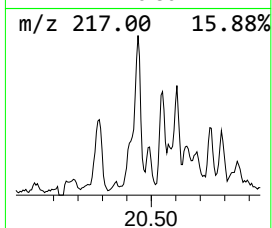
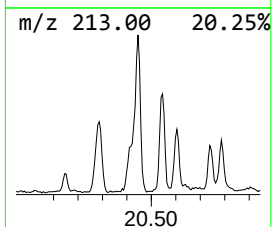
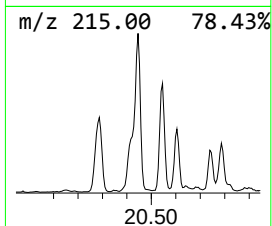
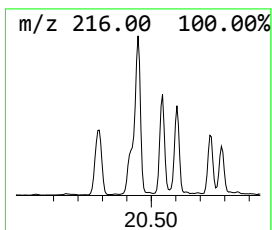
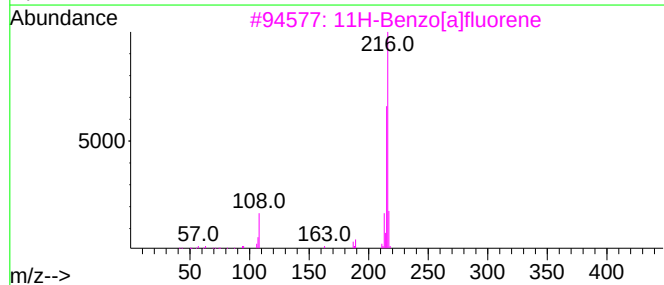
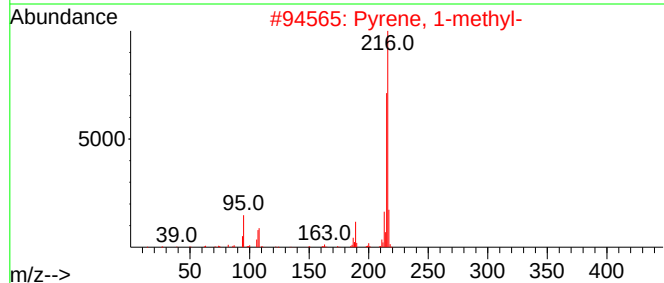
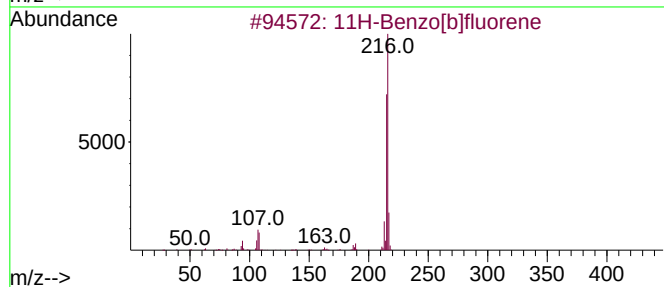
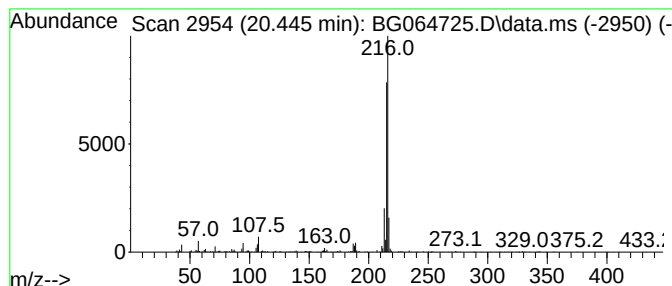
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.445	3.39 ng	842741	Chrysene-d12	21.838

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
Operator : RC/JU
Sample : Q3564-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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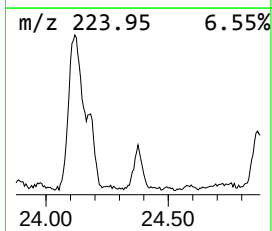
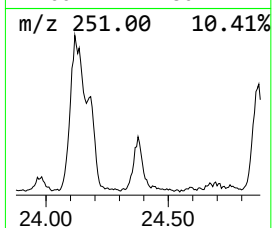
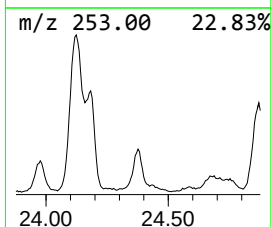
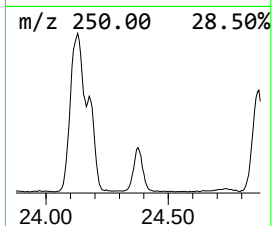
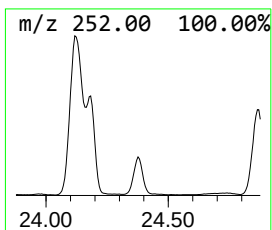
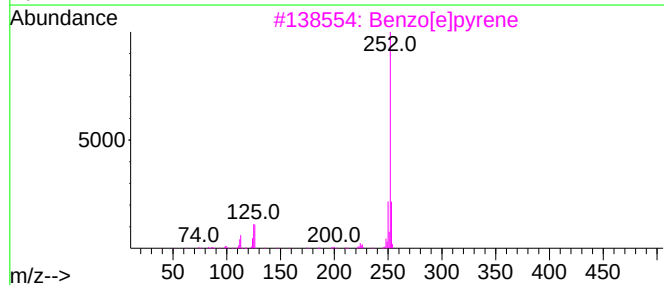
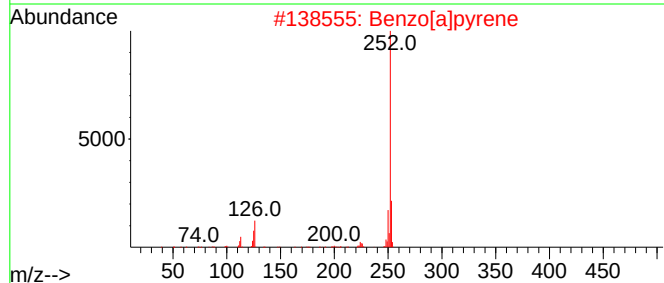
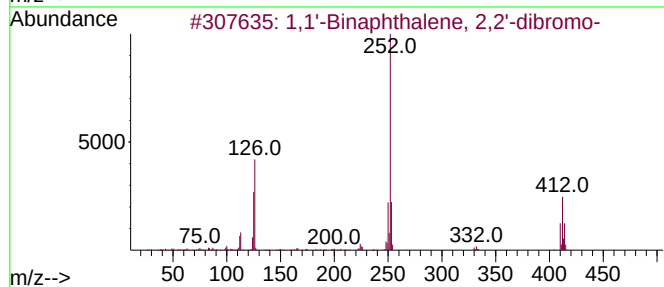
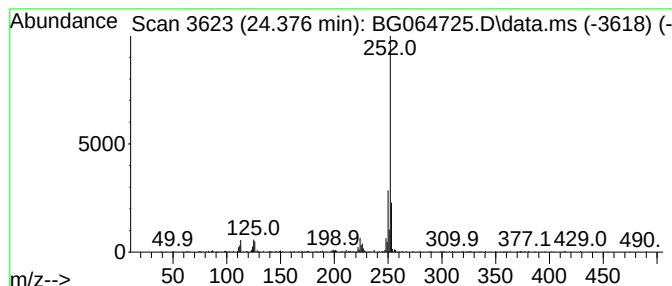
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,1'-Binaphthalene, 2,2'-di... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.376	12.29 ng	563889	Perylene-d12	25.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	86
2			Benzo[a]pyrene	252	C20H12	000050-32-8	81
3			Benzo[e]pyrene	252	C20H12	000192-97-2	74
4			(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
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ClientSampleId :
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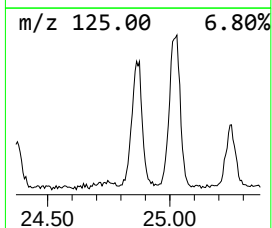
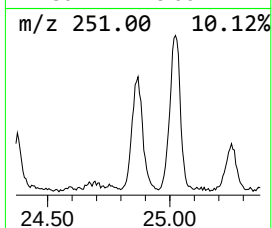
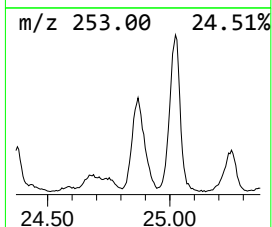
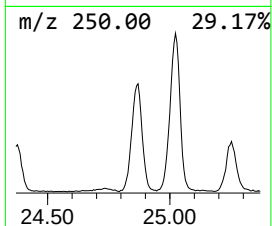
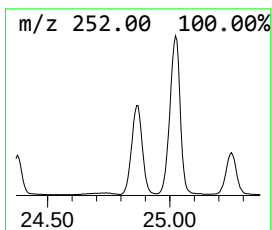
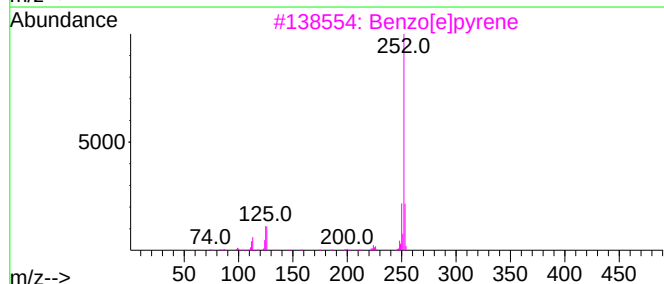
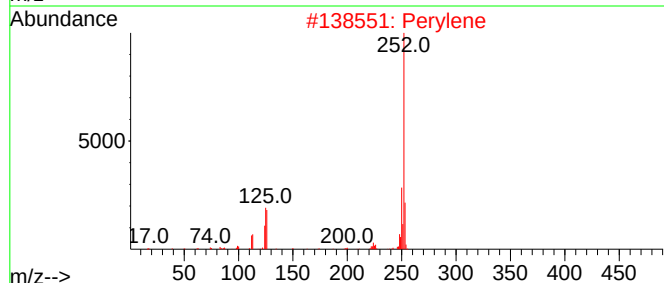
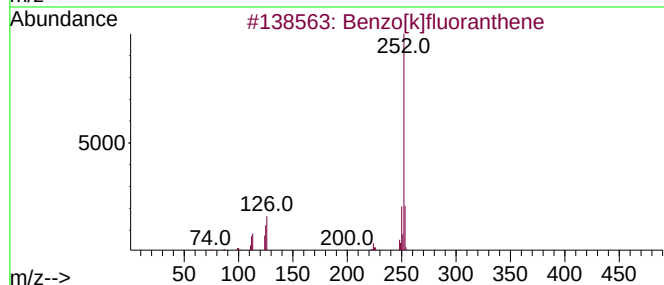
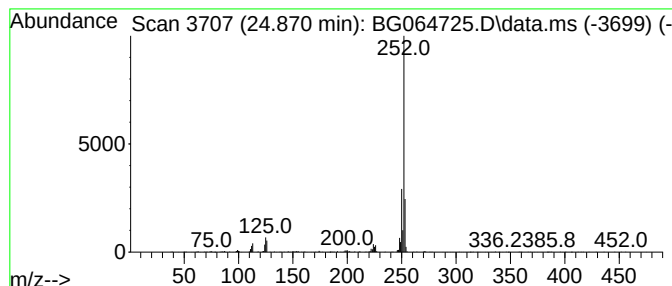
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.870	40.05 ng	1837020	Perylene-d12	25.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2		Perylene	252	C20H12	000198-55-0	94
3		Benzo[e]pyrene	252	C20H12	000192-97-2	93
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064725.D
Acq On : 7 Nov 2025 20:59
Operator : RC/JU
Sample : Q3564-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-11062025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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
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Phenanthrene, 2...	18.430	9.5	ng	390873	4	17.561	825724	20.0
Phenanthrene, 1...	18.483	12.6	ng	518793	4	17.561	825724	20.0
Anthracene, 1-m...	18.560	6.8	ng	280510	4	17.561	825724	20.0
5,16[1',2']:8,1...	18.924	6.1	ng	252573	4	17.561	825724	20.0
Phenanthrene, 2...	19.335	10.2	ng	419295	4	17.561	825724	20.0
Pyrene, 1-methyl-	20.281	3.1	ng	771952	5	21.838	4976800	20.0
11H-Benzo[b]flu...	20.445	3.4	ng	842741	5	21.838	4976800	20.0
1,1'-Binaphthal...	24.376	12.3	ng	563889	6	25.175	917446	20.0
Perylene	24.870	40.0	ng	1837020	6	25.175	917446	20.0