

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
 Data File : BP026134.D
 Acq On : 13 Nov 2025 19:04
 Operator : RC/JU
 Sample : Q3601-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

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_P\Methods\8270E-BP102925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.290	393	400	409	rBV	3288937	5172053	26.99%	2.397%
2	6.849	657	665	680	rBV	3410632	5276015	27.53%	2.445%
3	7.672	796	805	814	rBV	1261387	2019381	10.54%	0.936%
4	8.819	992	1000	1011	rBV	1882228	3403888	17.76%	1.577%
5	9.872	1171	1179	1186	rBV	167309	298796	1.56%	0.138%
6	10.443	1266	1276	1282	rBV	1630428	3058272	15.96%	1.417%
7	10.496	1282	1285	1292	rVB	178780	291844	1.52%	0.135%
8	12.102	1553	1558	1566	rVB	169394	258141	1.35%	0.120%
9	12.331	1591	1597	1604	rVB	151366	251249	1.31%	0.116%
10	12.925	1690	1698	1706	rBV	4962271	7607925	39.70%	3.526%
11	13.631	1811	1818	1823	rBV	184494	331701	1.73%	0.154%
12	14.037	1879	1887	1896	rBV	322855	536714	2.80%	0.249%
13	14.313	1925	1934	1941	rBV	2308109	3970333	20.72%	1.840%
14	14.384	1941	1946	1954	rVV	574475	866190	4.52%	0.401%
15	14.725	1997	2004	2012	rBV2	322837	576012	3.01%	0.267%
16	14.884	2023	2031	2036	rVV2	227067	634747	3.31%	0.294%
17	14.937	2037	2040	2046	rVV3	176712	367368	1.92%	0.170%
18	15.378	2109	2115	2121	rBV	591589	927448	4.84%	0.430%
19	15.707	2162	2171	2179	rVB2	714584	1351674	7.05%	0.626%
20	15.831	2187	2192	2201	rVV	4511213	6091301	31.78%	2.823%
21	15.919	2203	2207	2217	rVB3	102585	199569	1.04%	0.092%
22	16.078	2229	2234	2240	rBV6	101396	235499	1.23%	0.109%
23	16.419	2281	2292	2296	rBV3	228586	545701	2.85%	0.253%
24	16.466	2296	2300	2306	rVB2	149969	213209	1.11%	0.099%
25	16.766	2347	2351	2360	rVB	426405	720243	3.76%	0.334%
26	16.860	2362	2367	2372	rBV3	196232	466049	2.43%	0.216%
27	16.931	2375	2379	2384	rVB	365008	570684	2.98%	0.264%
28	17.131	2407	2413	2416	rBV	3154539	4537445	23.68%	2.103%
29	17.172	2416	2420	2425	rVV	8836257	11910258	62.15%	5.520%
30	17.260	2429	2435	2441	rVV	2020290	2956750	15.43%	1.370%
31	17.325	2441	2446	2453	rVV3	210155	356897	1.86%	0.165%
32	17.542	2474	2483	2487	rBV2	661313	1197877	6.25%	0.555%
33	17.672	2501	2505	2509	rVV2	216639	273659	1.43%	0.127%
34	17.725	2510	2514	2520	rVB3	246598	380947	1.99%	0.177%
35	17.878	2537	2540	2548	rVB	126039	211142	1.10%	0.098%
36	18.031	2560	2566	2570	rVV	1239877	1953099	10.19%	0.905%

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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_P\Methods\8270E-BP102925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.089	2570	2576	2584	rVV2	2857678	4761115	24.84%	2.206%
38	18.172	2585	2590	2595	rVV	643890	1074709	5.61%	0.498%
39	18.236	2595	2601	2605	rVV2	1749415	3282483	17.13%	1.521%
40	18.278	2605	2608	2615	rVB	939157	1281062	6.68%	0.594%
41	18.395	2626	2628	2634	rVB2	155819	210179	1.10%	0.097%
42	18.560	2651	2656	2659	rBV	901608	1301732	6.79%	0.603%
43	18.589	2659	2661	2669	rVB2	829782	1054930	5.50%	0.489%
44	18.684	2674	2677	2685	rBV2	116015	202342	1.06%	0.094%
45	18.819	2696	2700	2705	rVV2	327212	427843	2.23%	0.198%
46	18.872	2705	2709	2712	rVV	304343	384444	2.01%	0.178%
47	18.907	2712	2715	2720	rVB	351542	429441	2.24%	0.199%
48	18.995	2725	2730	2735	rBV	744861	1268984	6.62%	0.588%
49	19.060	2736	2741	2745	rBV3	418286	715189	3.73%	0.331%
50	19.136	2750	2754	2763	rVB2	616073	1141272	5.96%	0.529%
51	19.272	2771	2777	2784	rBV	13416888	17156856	89.53%	7.951%
52	19.342	2786	2789	2792	rBV2	231354	346348	1.81%	0.161%
53	19.419	2798	2802	2806	rBV2	721576	855184	4.46%	0.396%
54	19.513	2815	2818	2823	rVB	383570	554344	2.89%	0.257%
55	19.642	2830	2840	2848	rBV	10888429	19164161	100.00%	8.881%
56	19.719	2849	2853	2861	rVB2	447308	1020887	5.33%	0.473%
57	19.831	2868	2872	2874	rBV	553463	797984	4.16%	0.370%
58	19.866	2874	2878	2889	rVB	7120368	10714907	55.91%	4.966%
59	19.989	2892	2899	2903	rBV4	881726	2005574	10.47%	0.929%
60	20.131	2919	2923	2924	rBV3	554008	771401	4.03%	0.357%
61	20.166	2925	2929	2933	rVB2	1556515	2106802	10.99%	0.976%
62	20.266	2942	2946	2950	rBV2	724972	958442	5.00%	0.444%
63	20.325	2952	2956	2960	rVB2	1310677	1837806	9.59%	0.852%
64	20.419	2969	2972	2977	rBV2	277826	463592	2.42%	0.215%
65	20.472	2978	2981	2985	rVV	747766	1022867	5.34%	0.474%
66	20.525	2986	2990	2994	rVB	806252	1112763	5.81%	0.516%
67	20.948	3058	3062	3070	rVB	1062473	1686557	8.80%	0.782%
68	21.142	3088	3095	3099	rBV2	871454	2052250	10.71%	0.951%
69	21.189	3099	3103	3107	rBV	857624	1105496	5.77%	0.512%
70	21.230	3107	3110	3113	rBV	693528	1173548	6.12%	0.544%
71	21.289	3118	3120	3129	rVB	1427572	1968611	10.27%	0.912%
72	21.560	3160	3166	3173	rBV3	6842436	14843070	77.45%	6.879%
73	21.625	3173	3177	3187	rVB	5005084	8583897	44.79%	3.978%
74	21.777	3199	3203	3207	rVB	528329	774422	4.04%	0.359%
75	21.989	3235	3239	3248	rVB3	615291	1137792	5.94%	0.527%
76	22.336	3295	3298	3304	rVB	947567	1501326	7.83%	0.696%

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ClientSampleId :
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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_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.860	3548	3557	3564	rBV	3225062	11157028	58.22%	5.171%
78	24.119	3595	3601	3608	rBV	987667	2078767	10.85%	0.963%
79	24.607	3677	3684	3697	rVB2	2158874	6196759	32.34%	2.872%
80	24.754	3701	3709	3723	rVB	3430814	8620157	44.98%	3.995%
81	24.901	3727	3734	3741	rBV	1877056	4455360	23.25%	2.065%

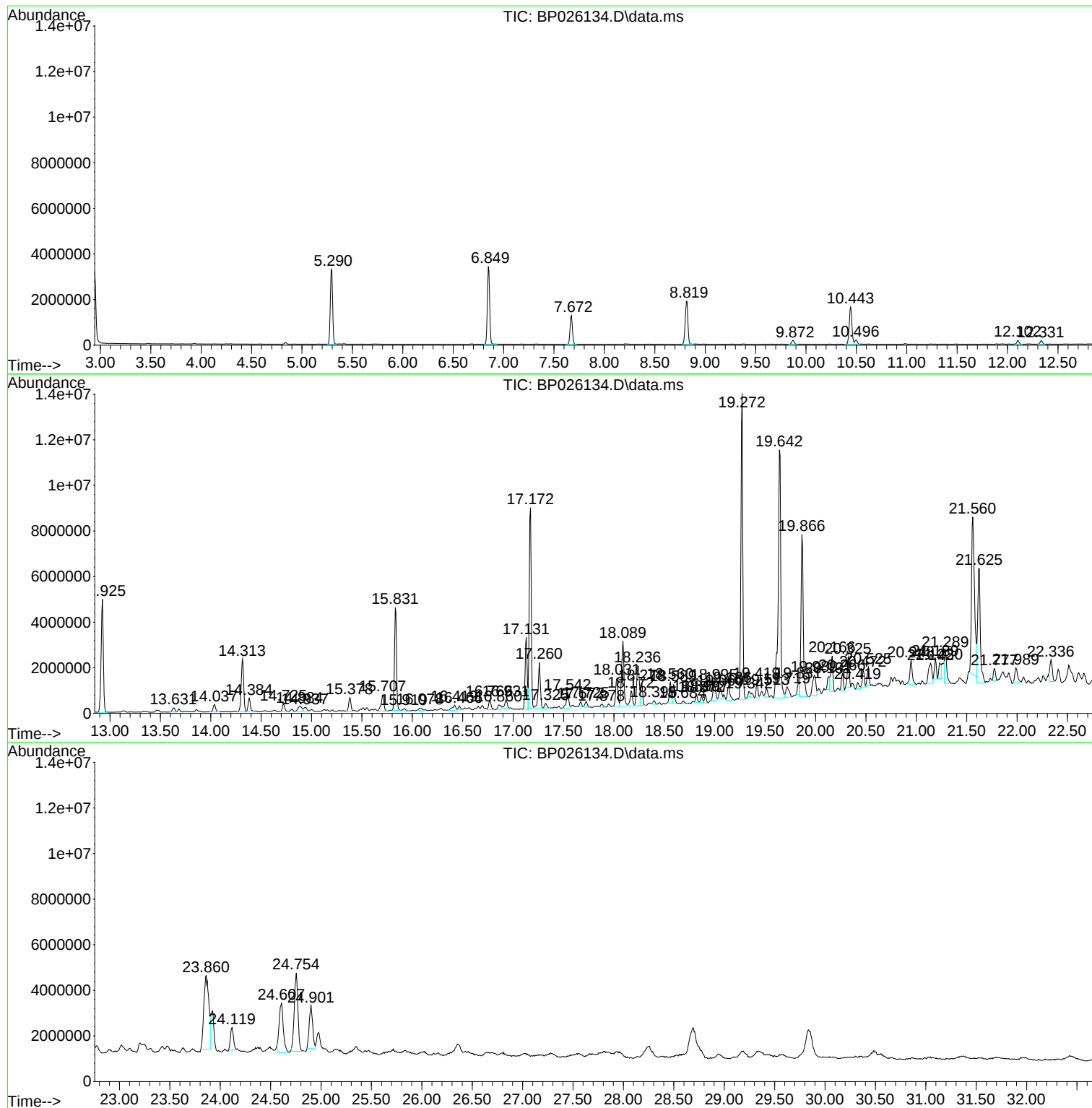
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
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TP-3

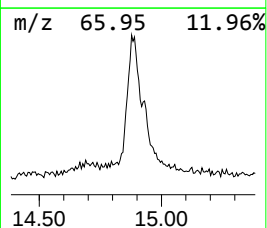
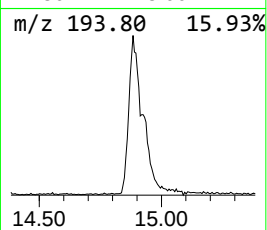
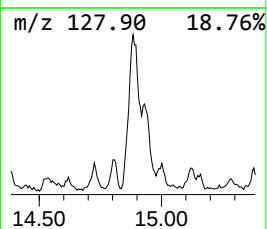
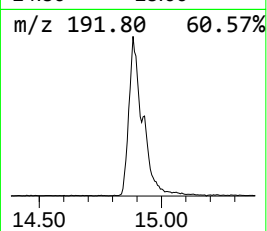
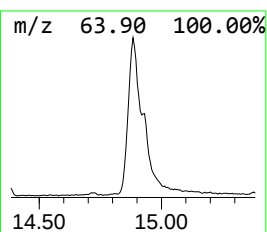
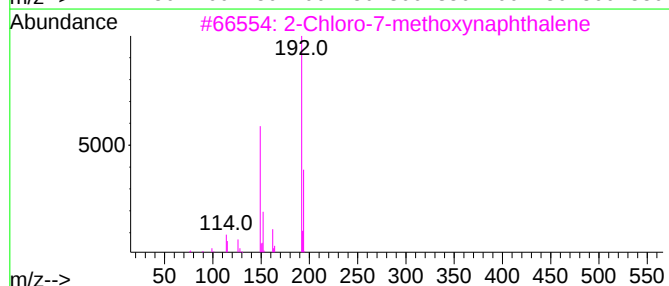
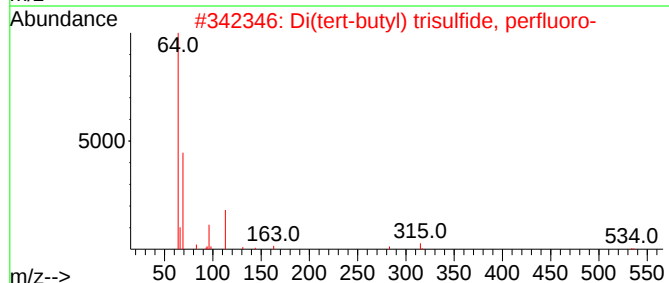
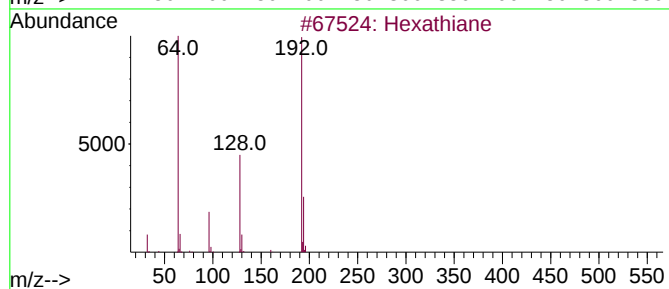
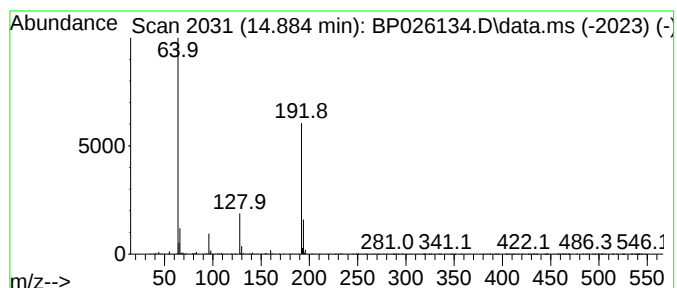
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Hexathiane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.884	3.20 ng	634747	Acenaphthene-d10	14.313

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexathiane	192	S6	013798-23-7	91
2			Di(tert-butyl) trisulfide, perfluoro-	534	C8F18S3	016005-64-4	9
3			2-Chloro-7-methoxynaphthalene	192	C11H9ClO	067061-67-0	7
4			Sulfur dioxide	64	O2S	007446-09-5	4
5			Ethyl Chloride	64	C2H5Cl	000075-00-3	4



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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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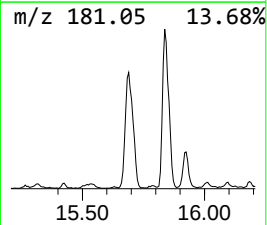
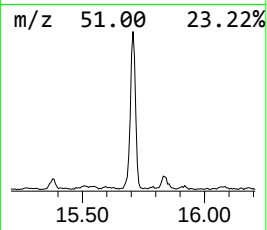
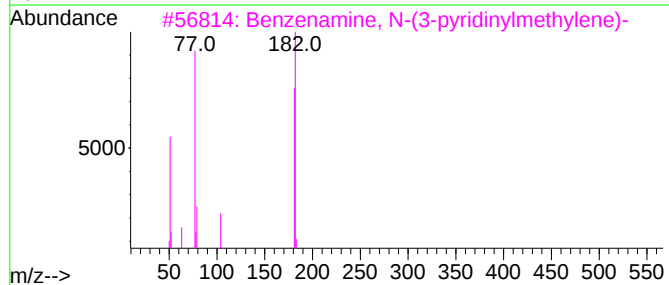
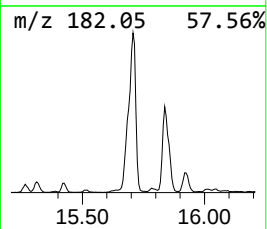
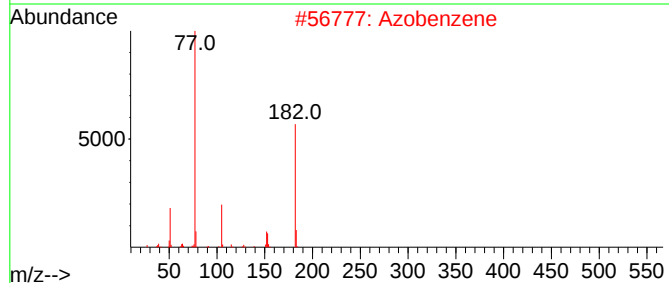
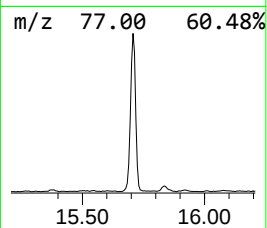
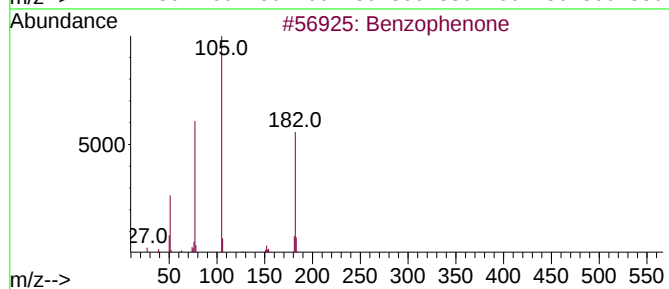
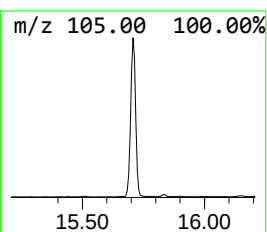
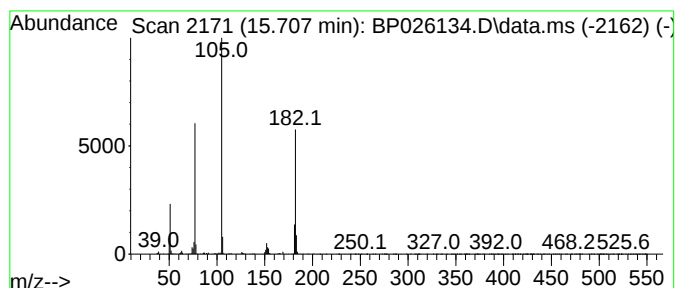
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.707	6.81 ng	1351670	Acenaphthene-d10	14.313

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Azobenzene	182	C12H10N2	000103-33-3	42
3			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
4			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	30
5			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	27



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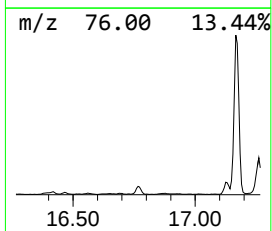
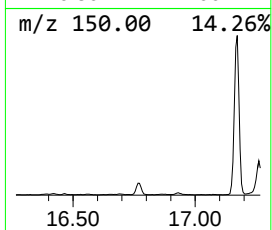
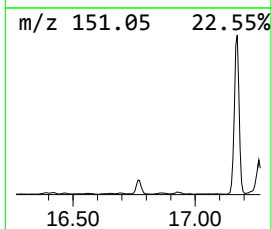
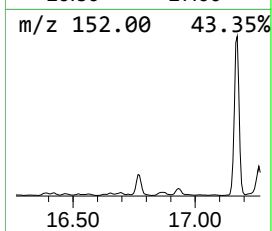
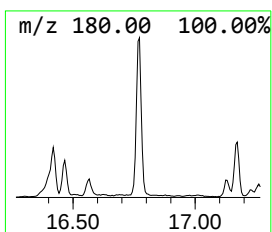
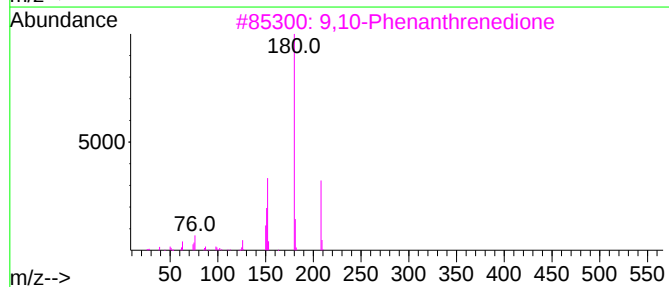
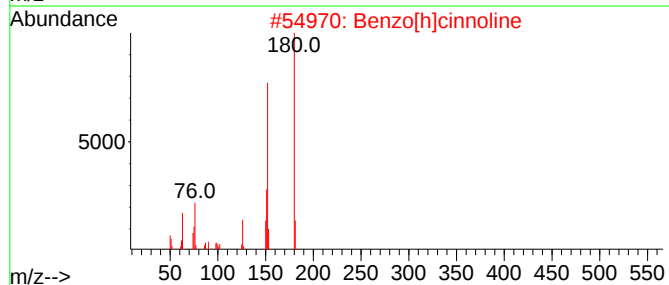
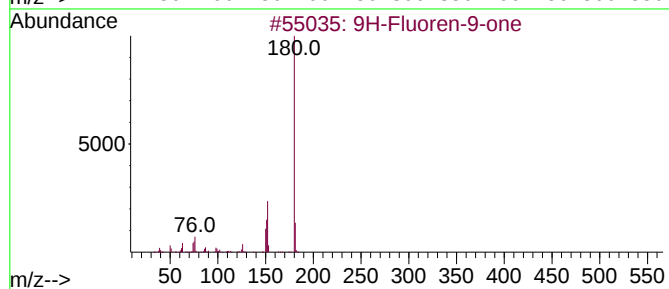
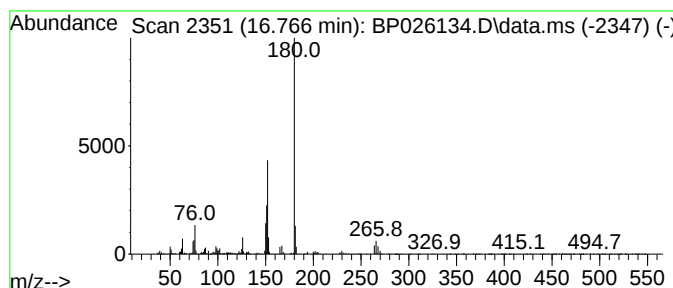
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.766	3.17 ng	720243	Phenanthrene-d10	17.131

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4			15,19-Dioxatetracyclo[12.5.0.0(2...	266	C17H14O3	1000436-55-0	70
5			Diphenic anhydride	224	C14H8O3	006050-13-1	58



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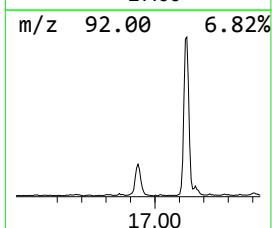
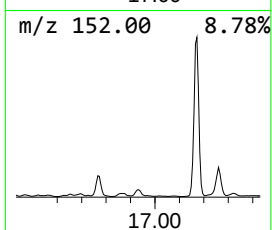
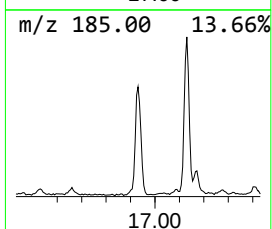
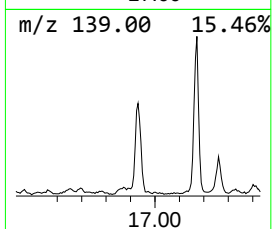
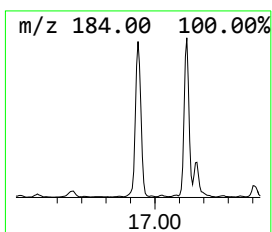
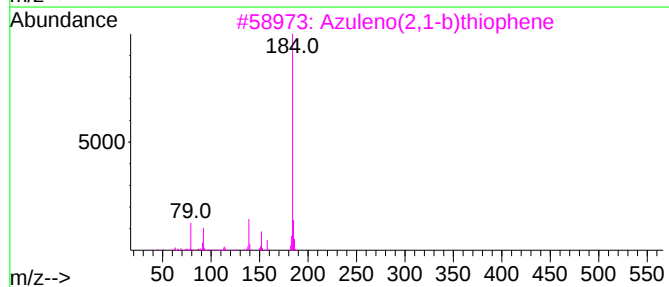
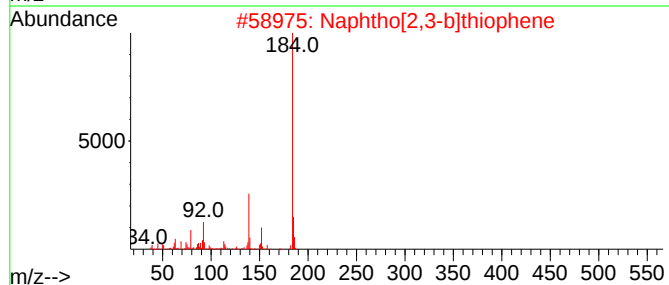
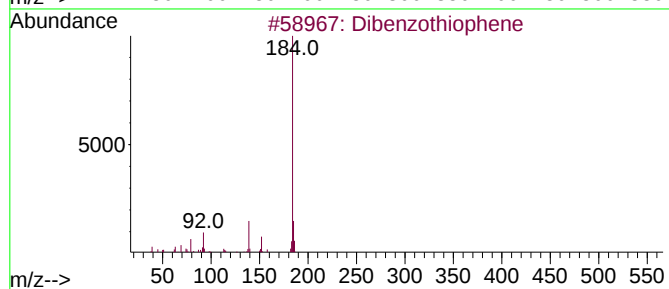
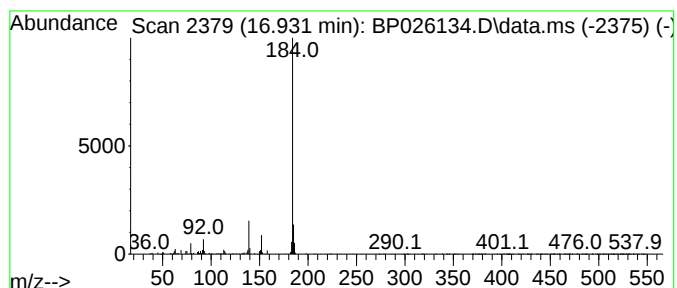
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.931	2.52 ng	570684	Phenanthrene-d10	17.131

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
5			Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

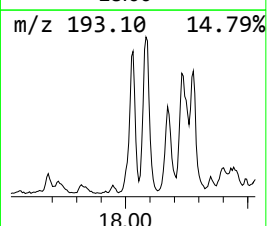
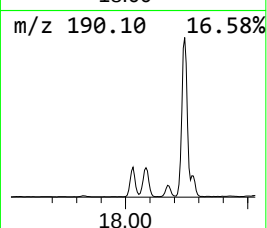
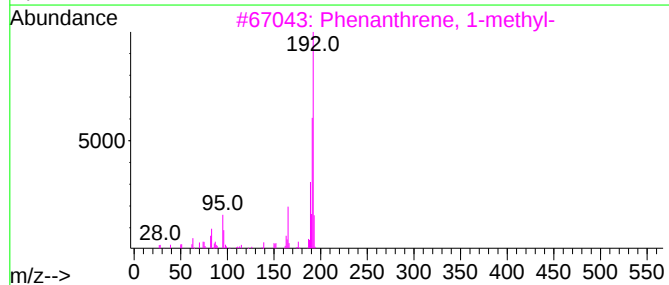
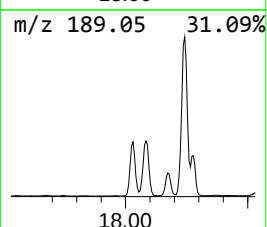
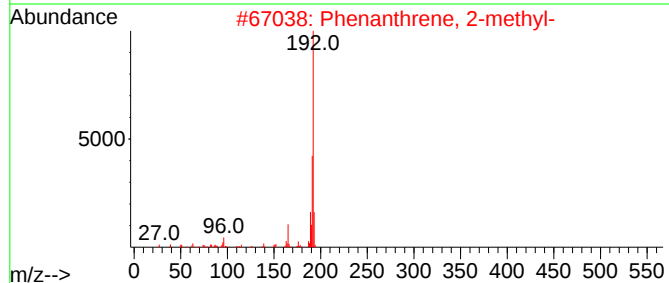
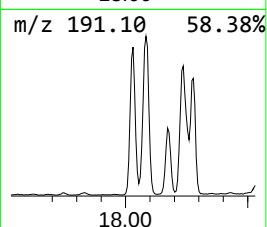
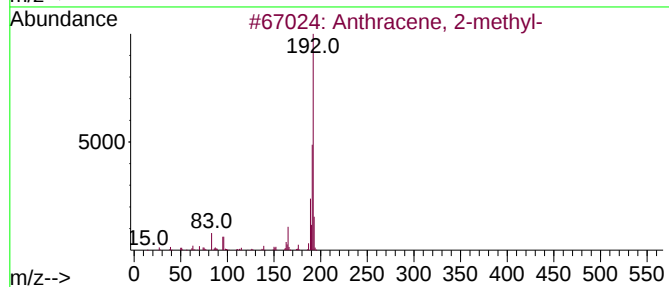
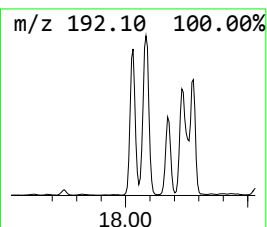
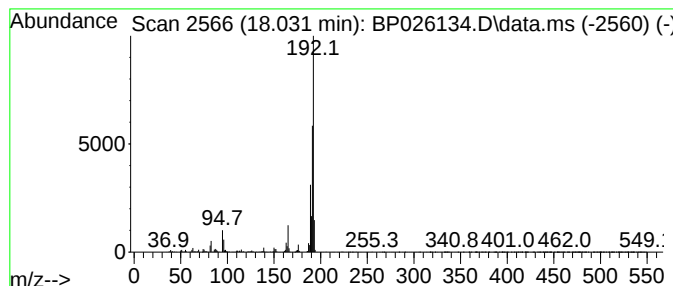
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.031	8.61 ng	1953100	Phenanthrene-d10	17.131

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

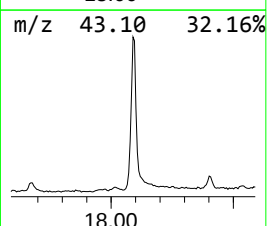
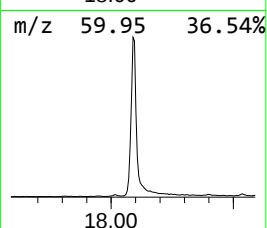
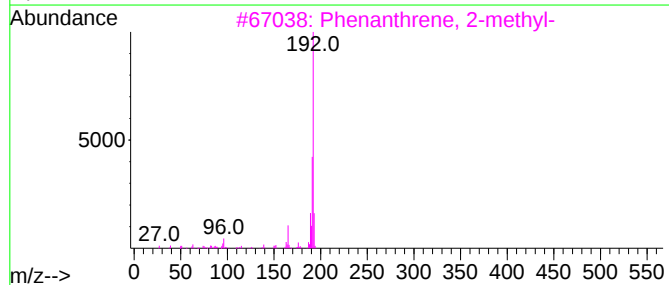
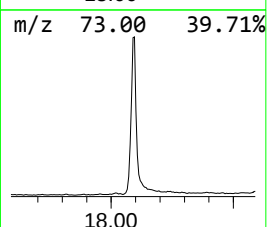
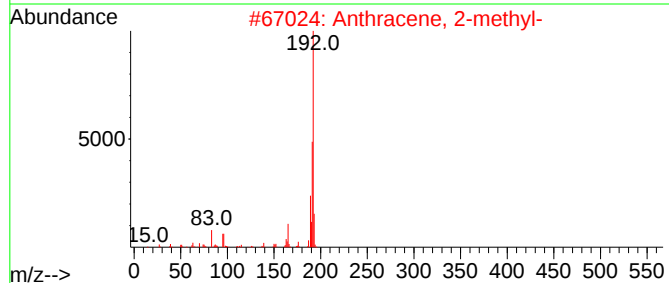
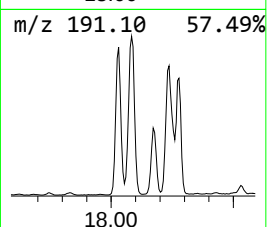
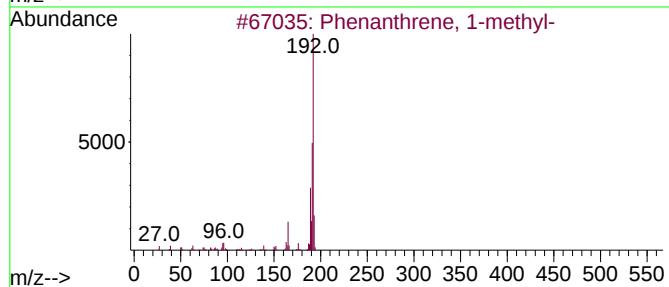
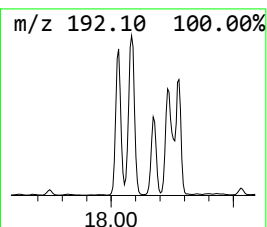
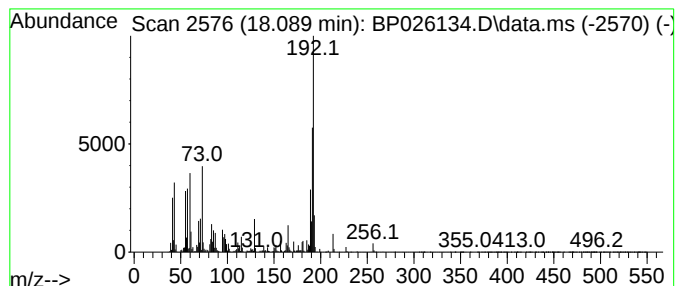
Instrument :
BNA_P
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.089	20.99 ng	4761120	Phenanthrene-d10		17.131
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

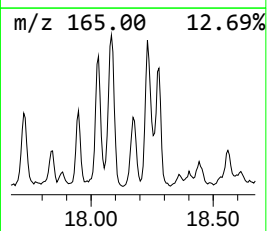
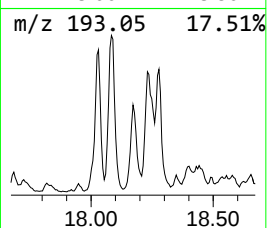
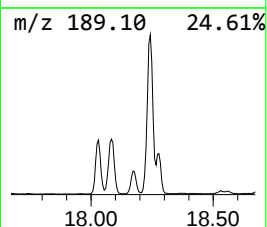
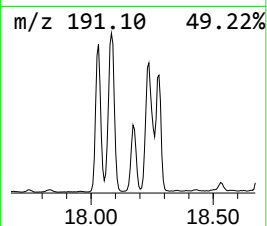
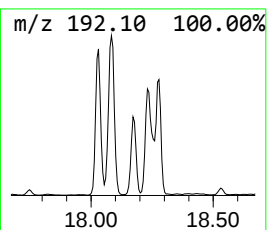
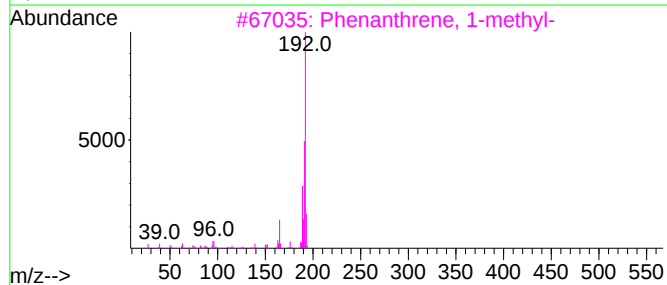
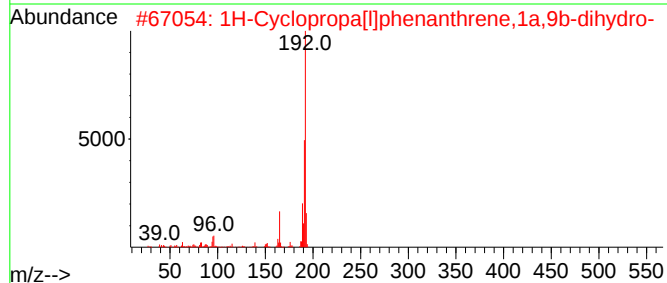
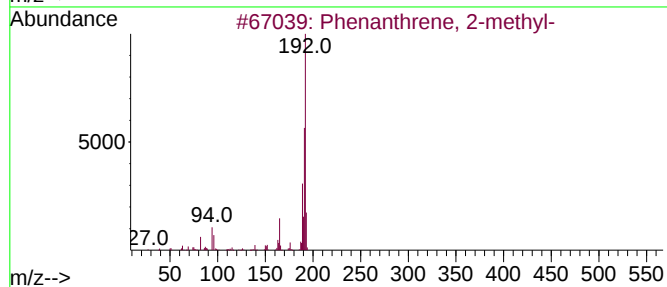
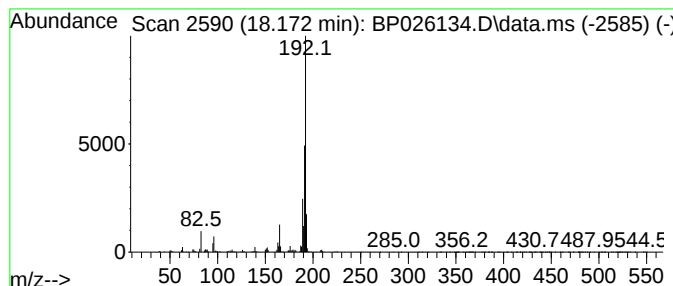
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	4.74 ng	1074710	Phenanthrene-d10	17.131

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

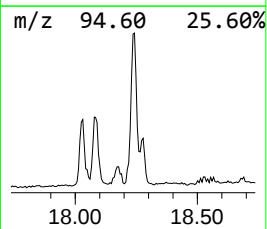
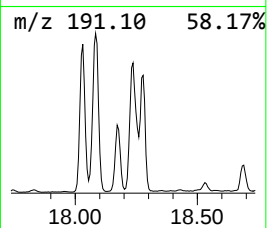
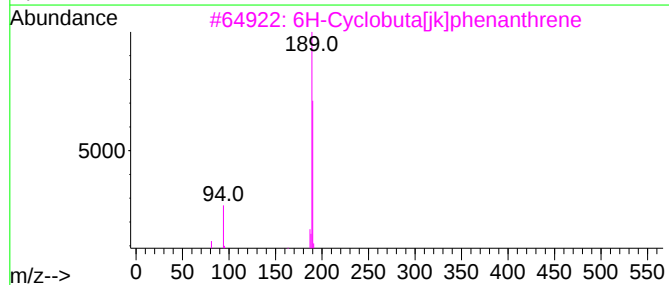
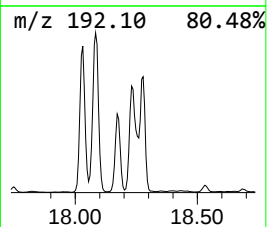
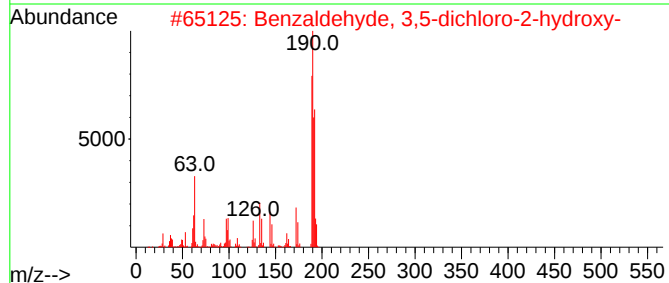
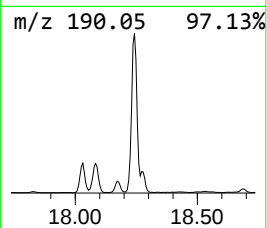
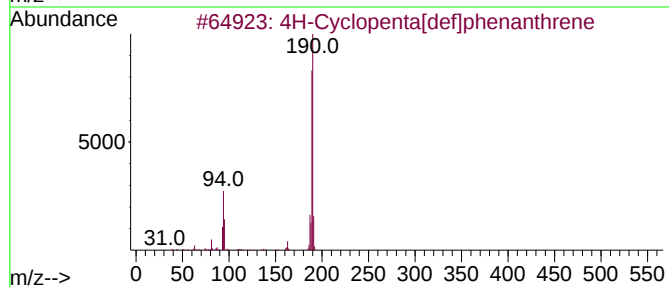
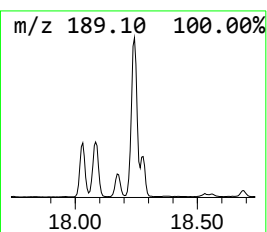
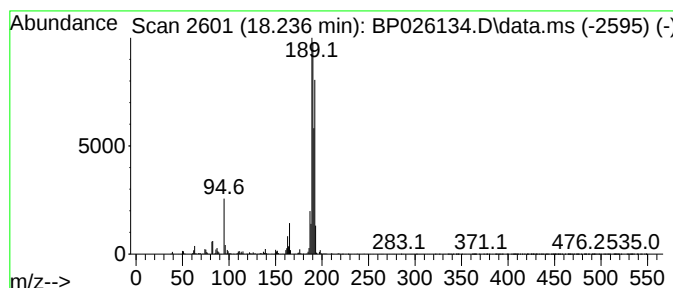
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.236	14.47 ng	3282480	Phenanthrene-d10	17.131

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

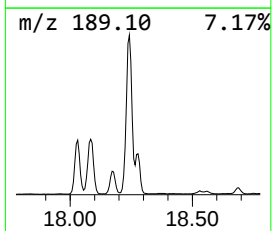
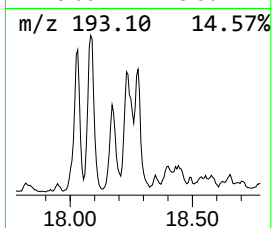
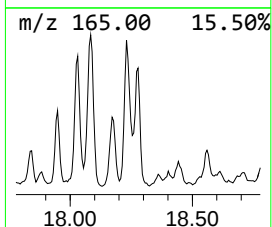
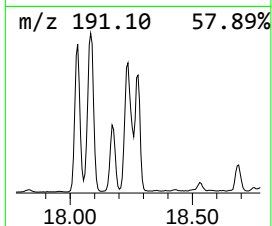
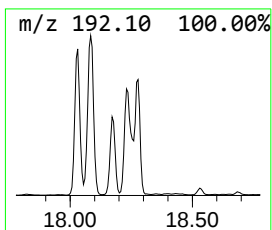
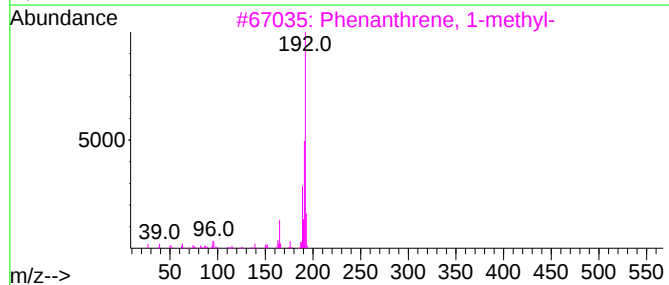
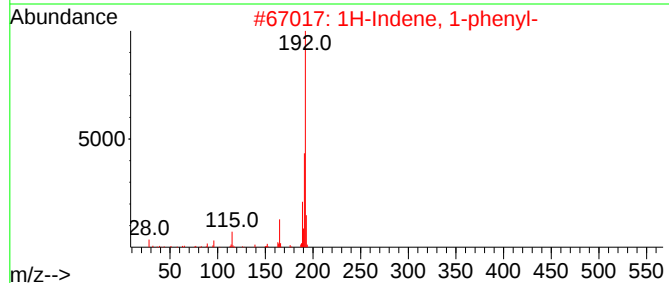
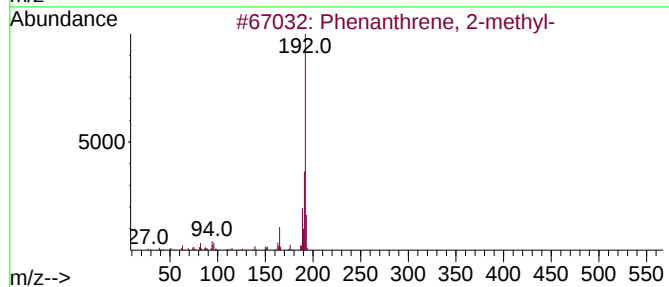
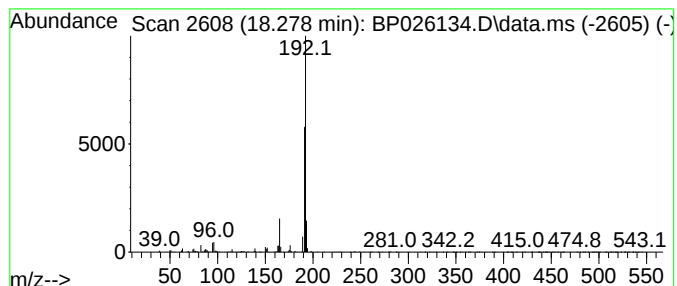
Instrument :
BNA_P
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.278	5.65 ng	1281060	Phenanthrene-d10		17.131	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	93
2	1H-Indene, 1-phenyl-		192	C15H12	001961-96-2	90
3	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	90
4	Phenanthrene, 4-methyl-		192	C15H12	000832-64-4	90
5	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

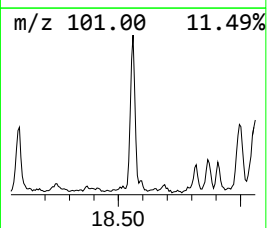
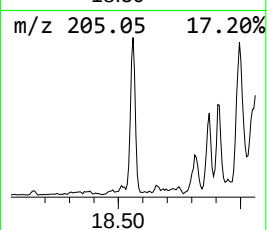
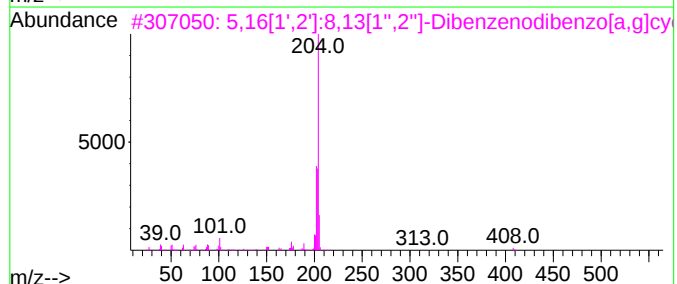
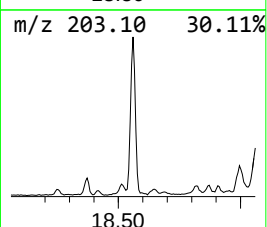
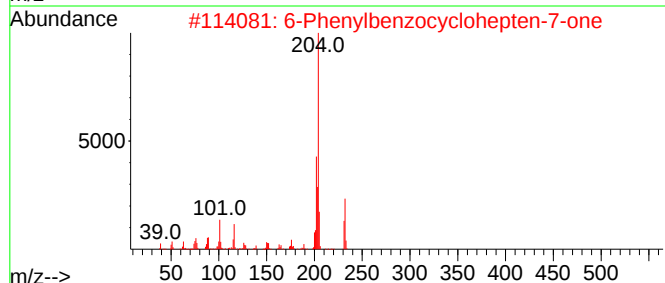
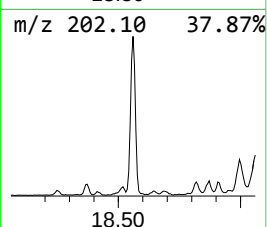
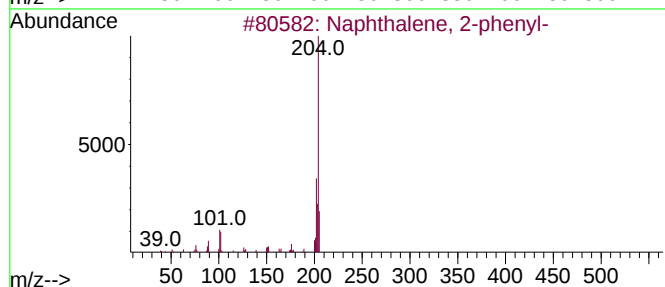
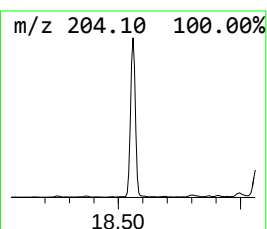
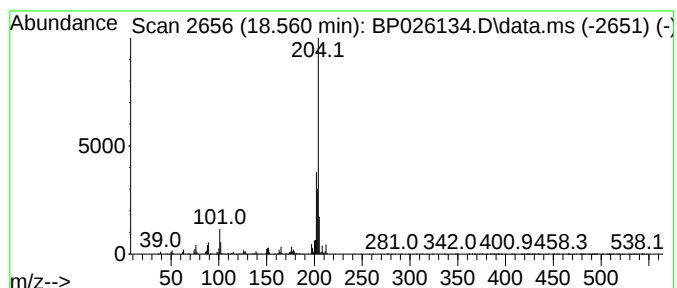
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.560	5.74 ng	1301730	Phenanthrene-d10	17.131

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

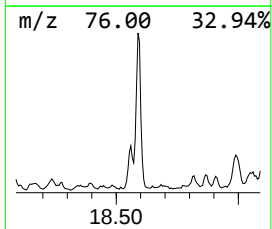
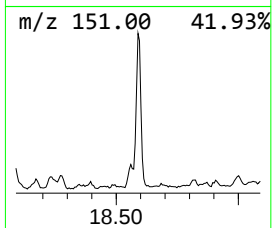
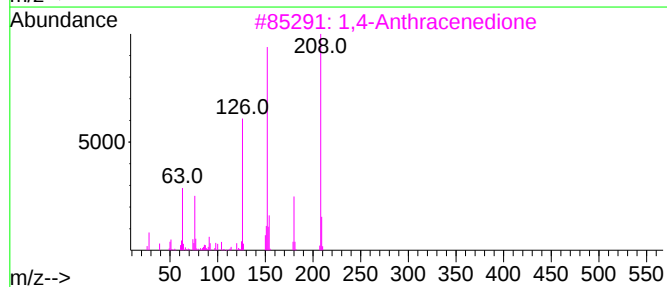
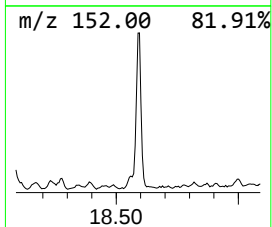
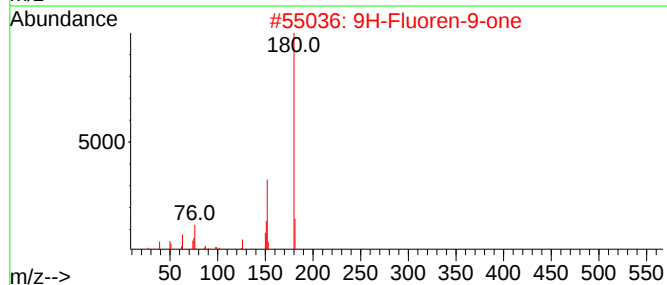
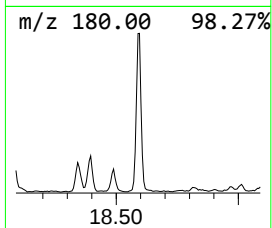
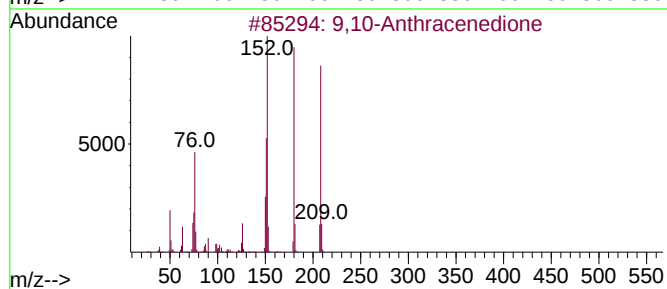
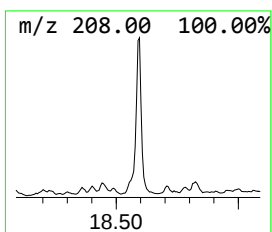
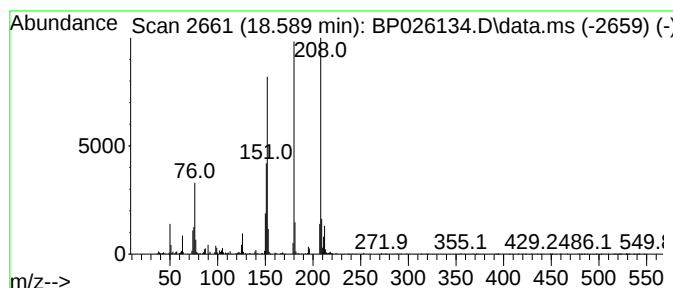
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.589	4.65 ng	1054930	Phenanthrene-d10	17.131	
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	78
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
4	Benzo[c]cinoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

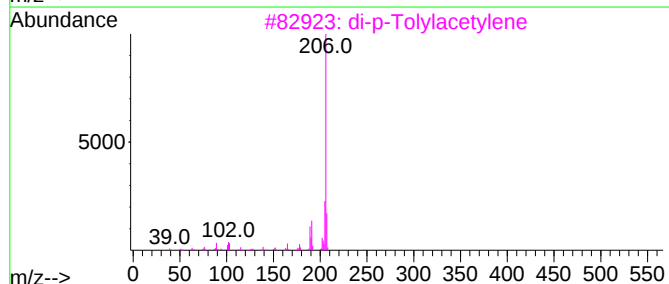
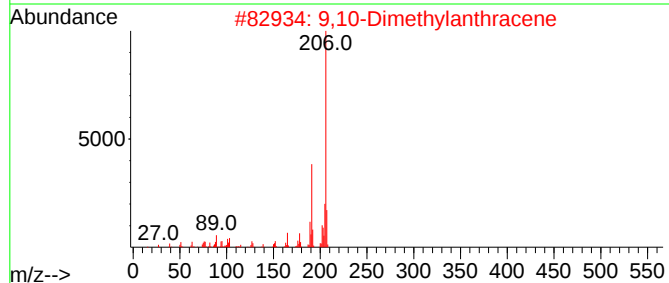
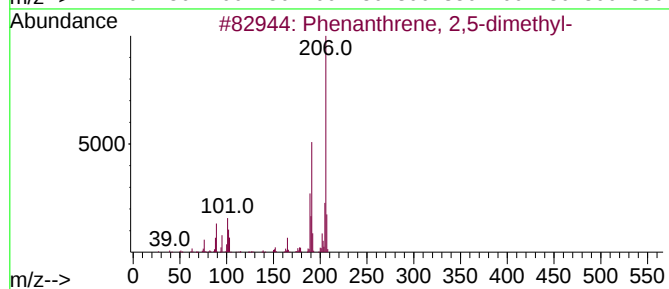
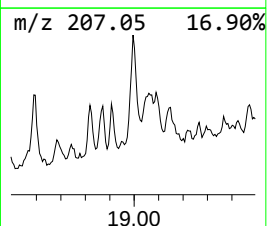
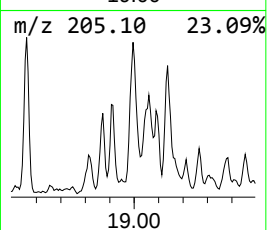
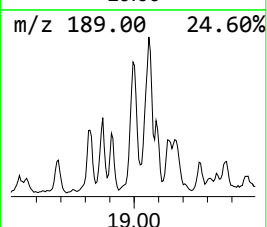
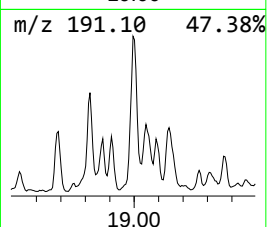
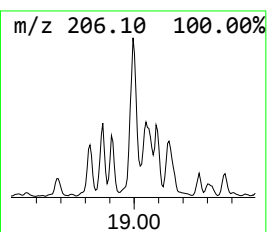
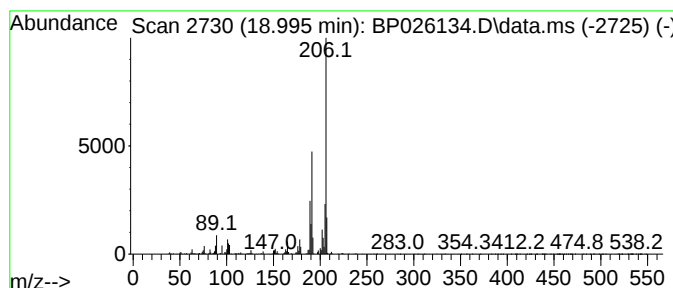
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.995	5.59 ng	1268980	Phenanthrene-d10	17.131	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

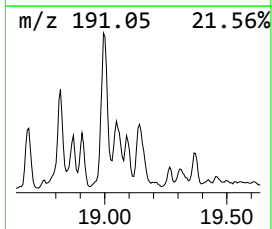
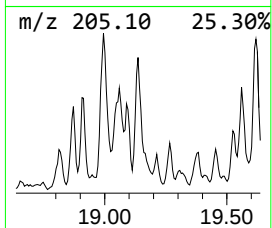
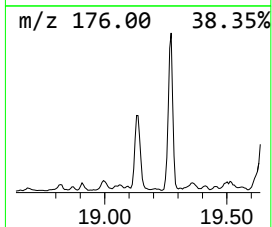
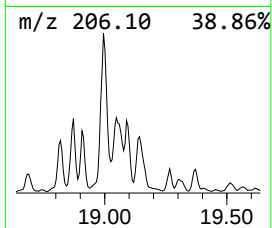
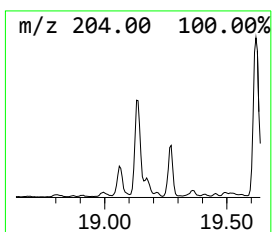
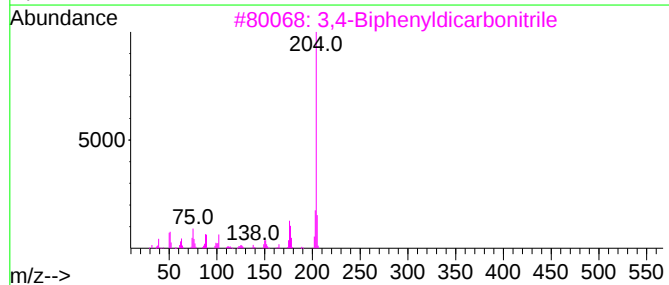
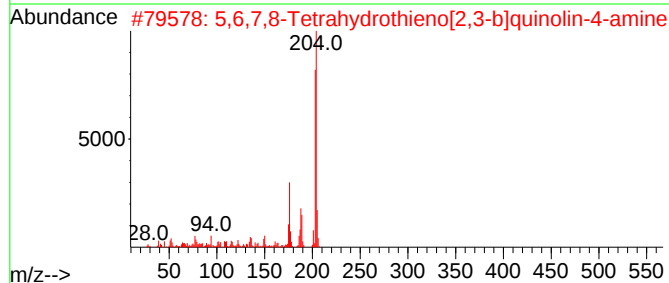
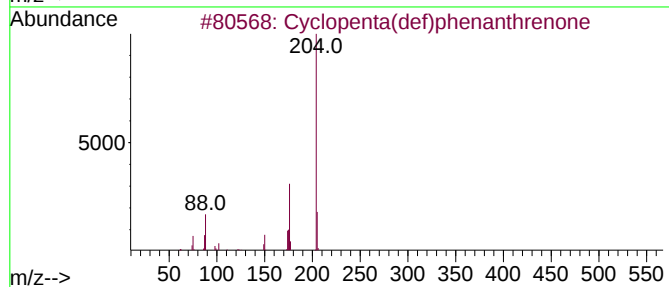
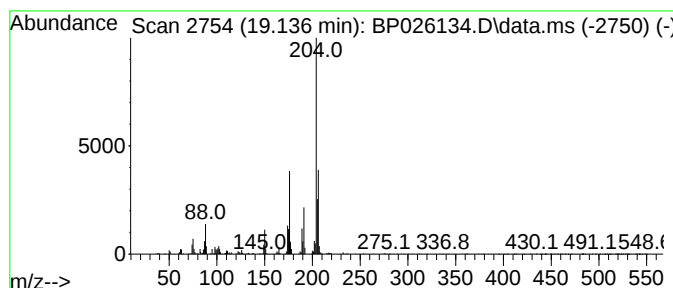
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.136	5.03 ng	1141270	Phenanthrene-d10	17.131	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5C1N2O	039876-88-5	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

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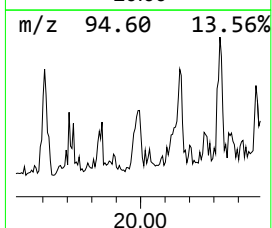
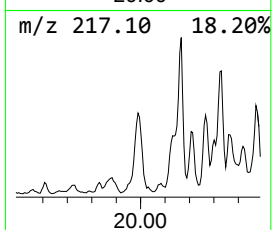
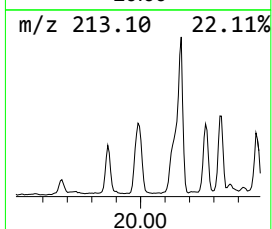
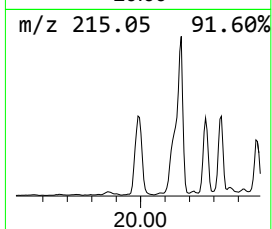
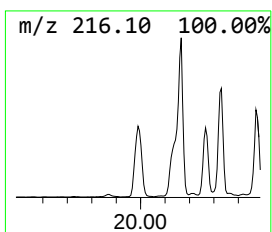
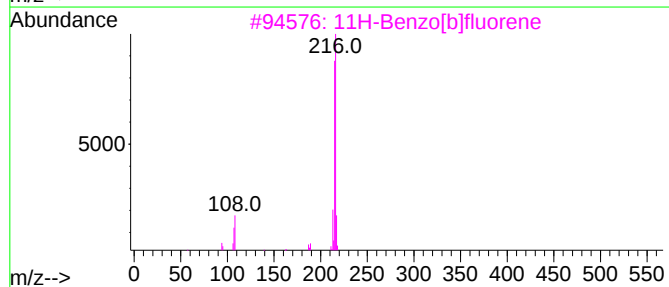
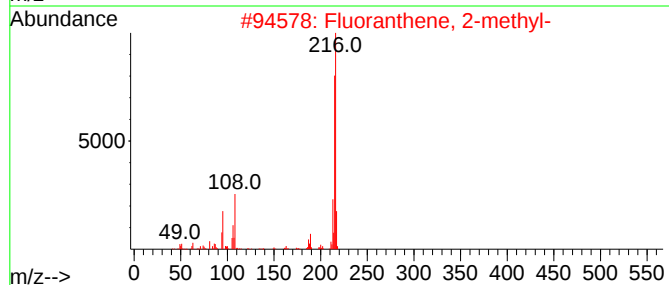
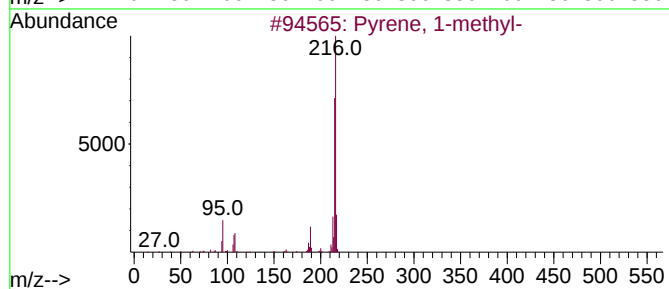
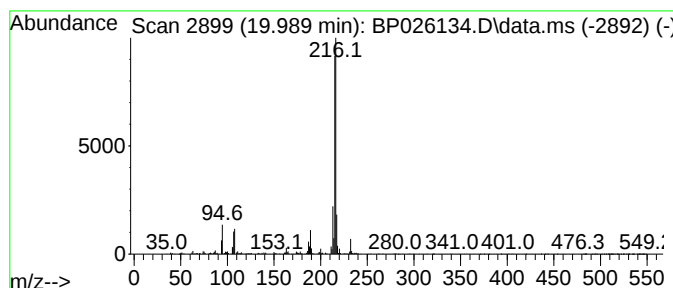
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.989	2.70 ng	2005570	Chrysene-d12	21.578

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

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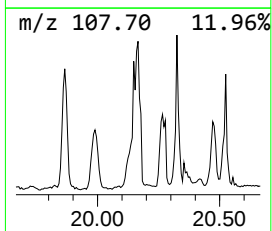
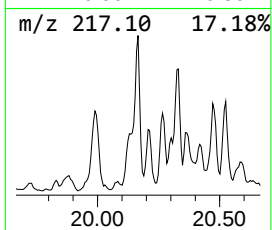
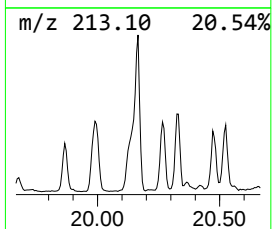
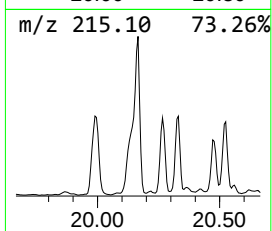
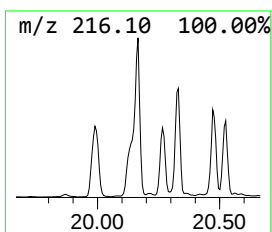
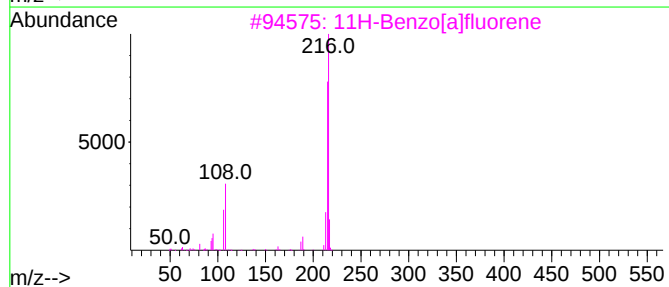
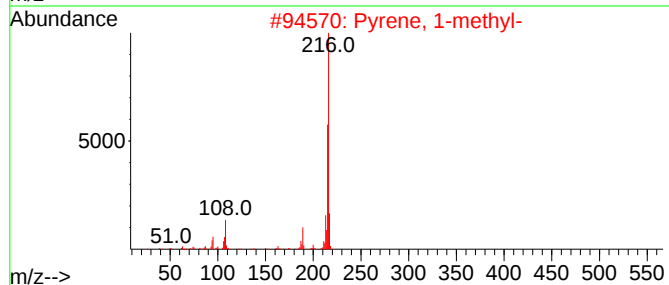
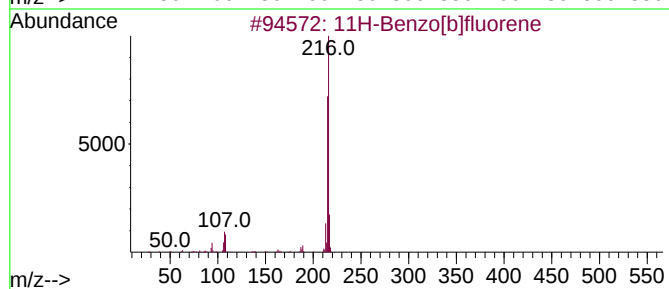
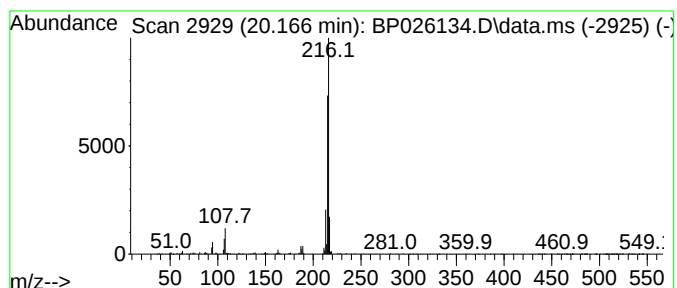
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
20.166	2.84 ng	2106800	Chrysene-d12	21.578

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5			1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

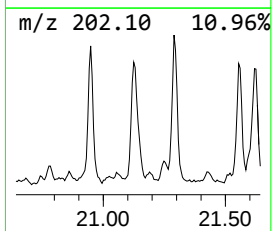
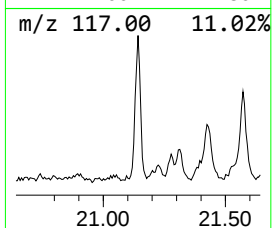
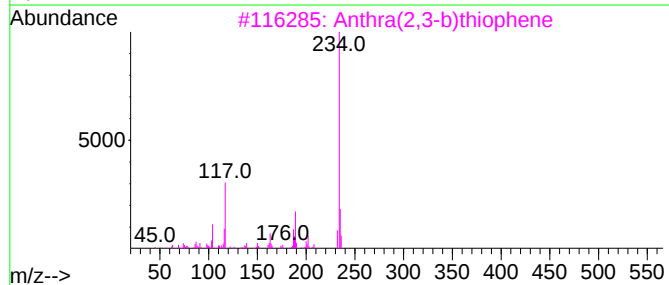
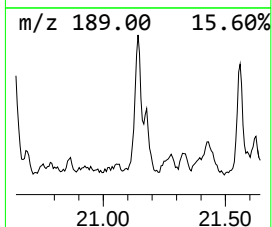
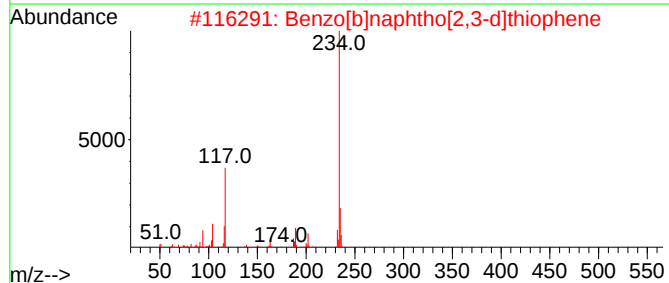
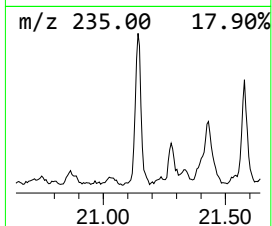
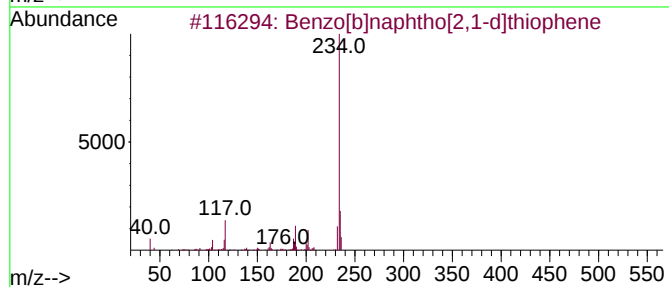
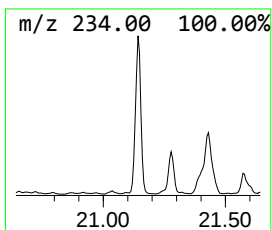
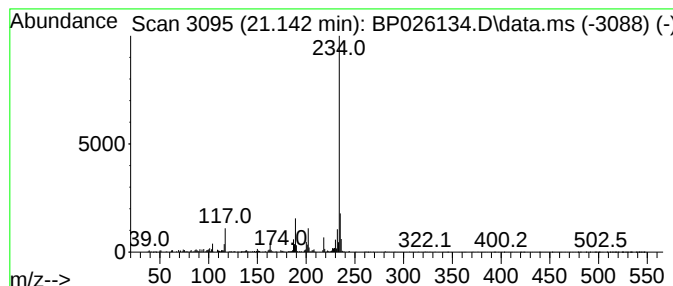
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.142	2.77 ng	2052250	Chrysene-d12	21.578

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	86
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
5		Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

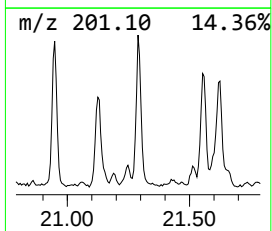
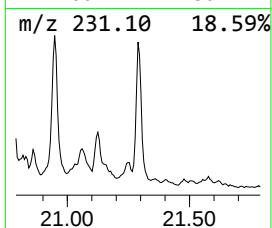
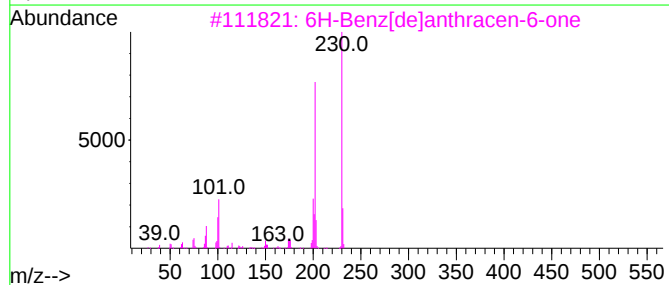
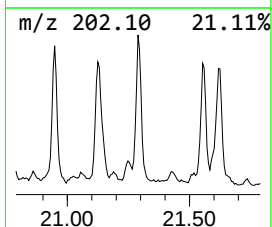
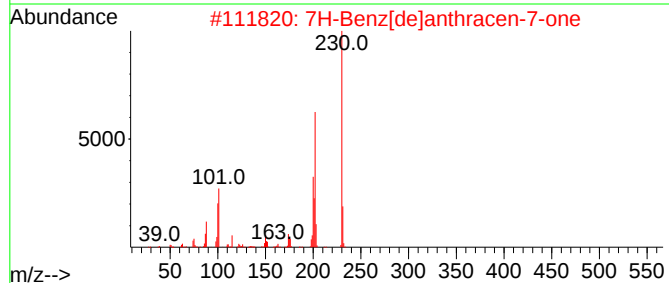
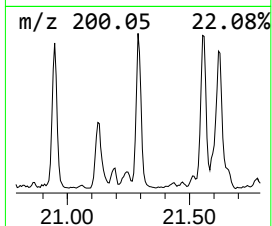
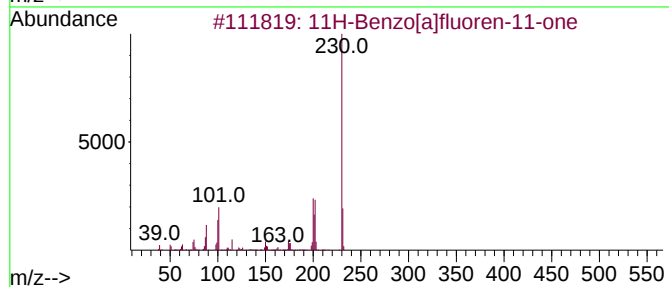
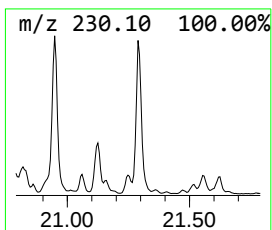
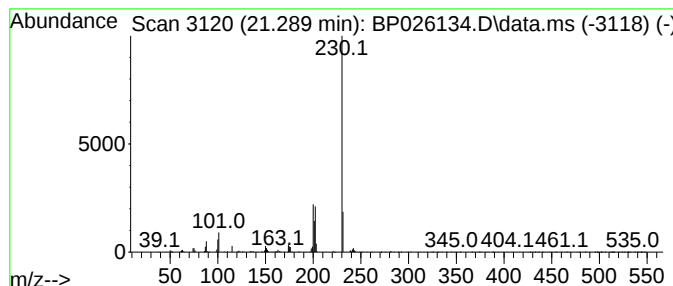
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.289	2.65 ng	1968610	Chrysene-d12	21.578

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	91
4			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
5			o-Terphenyl	230	C18H14	000084-15-1	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

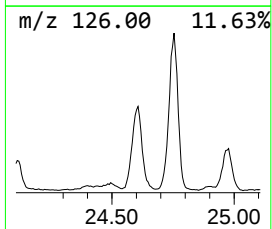
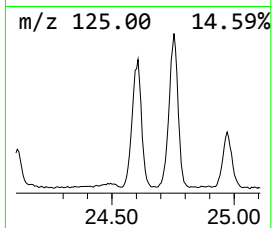
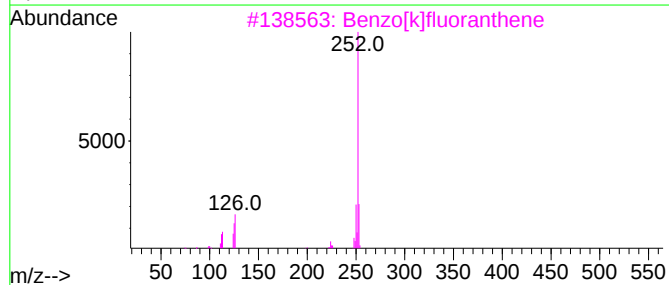
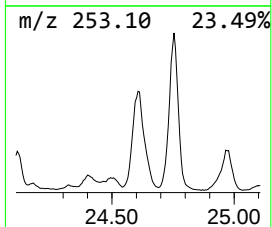
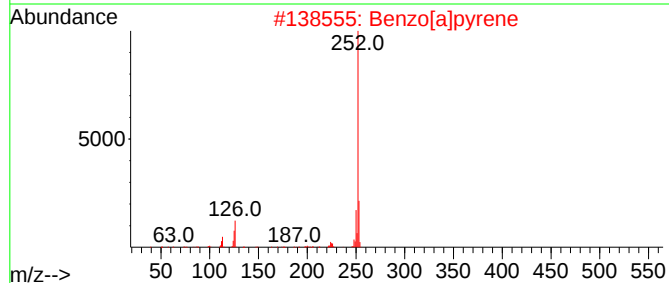
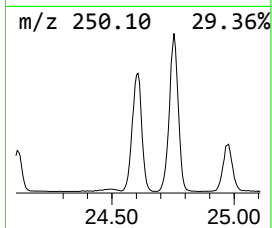
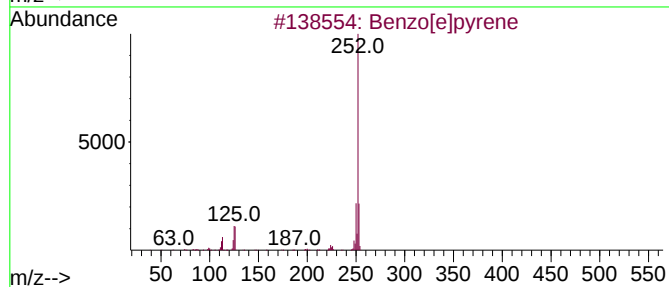
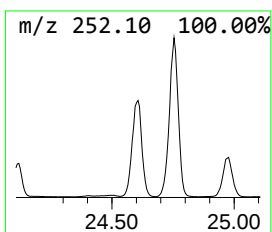
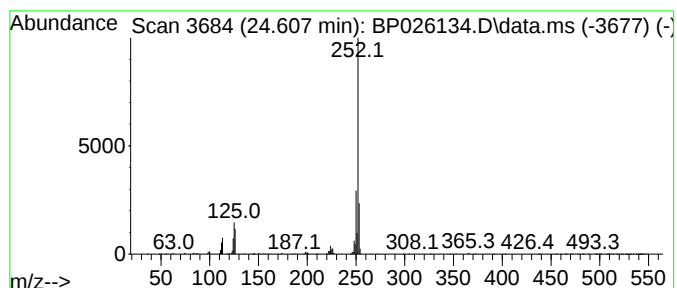
Instrument :
BNA_P
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
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 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
24.607	27.82 ng	6196760	Perylene-d12	24.901	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111325\
Data File : BP026134.D
Acq On : 13 Nov 2025 19:04
Operator : RC/JU
Sample : Q3601-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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
Hexathiane	14.884	3.2	ng	634747	3	14.313	3970330	20.0
Benzophenone	15.707	6.8	ng	1351670	3	14.313	3970330	20.0
9H-Fluoren-9-one	16.766	3.2	ng	720243	4	17.131	4537450	20.0
Dibenzothiophene	16.931	2.5	ng	570684	4	17.131	4537450	20.0
Anthracene, 2-m...	18.031	8.6	ng	1953100	4	17.131	4537450	20.0
Phenanthrene, 1...	18.089	21.0	ng	4761120	4	17.131	4537450	20.0
Phenanthrene, 2...	18.172	4.7	ng	1074710	4	17.131	4537450	20.0
4H-Cyclopenta[d...	18.236	14.5	ng	3282480	4	17.131	4537450	20.0
Phenanthrene, 2...	18.278	5.7	ng	1281060	4	17.131	4537450	20.0
Naphthalene, 2-...	18.560	5.7	ng	1301730	4	17.131	4537450	20.0
9,10-Anthracene...	18.589	4.7	ng	1054930	4	17.131	4537450	20.0
Phenanthrene, 2...	18.995	5.6	ng	1268980	4	17.131	4537450	20.0
Cyclopenta(def)...	19.136	5.0	ng	1141270	4	17.131	4537450	20.0
Pyrene, 1-methyl-	19.989	2.7	ng	2005570	5	21.578	14843100	20.0
11H-Benzo[b]flu...	20.166	2.8	ng	2106800	5	21.578	14843100	20.0
Benzo[b]naphtho...	21.142	2.8	ng	2052250	5	21.578	14843100	20.0
11H-Benzo[a]flu...	21.289	2.6	ng	1968610	5	21.578	14843100	20.0
Benzo[e]pyrene	24.607	27.8	ng	6196760	6	24.901	4455360	20.0