

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025464.D
 Acq On : 18 Aug 2025 16:54
 Operator : CG/JU
 Sample : Q2857-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-12002

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025464.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB	71512	98065	1.87%	0.172%
2	3.043	13	18	28	rVB	239814	323786	6.17%	0.569%
3	5.408	414	420	432	rBV	400205	569018	10.85%	0.999%
4	6.966	678	685	696	rBV	351865	592363	11.29%	1.040%
5	7.790	817	825	834	rBV	563597	936071	17.85%	1.644%
6	8.325	905	916	930	rBV	24311	69177	1.32%	0.121%
7	8.931	1004	1019	1028	rBV	218977	404428	7.71%	0.710%
8	10.555	1288	1295	1302	rBV	781949	1304206	24.86%	2.290%
9	12.431	1608	1614	1620	rVB2	32562	53728	1.02%	0.094%
10	13.007	1706	1712	1721	rBV	561449	888324	16.94%	1.560%
11	13.713	1827	1832	1837	rBV	56124	95901	1.83%	0.168%
12	13.843	1847	1854	1860	rBV2	52647	107804	2.06%	0.189%
13	14.119	1894	1901	1910	rBV	249599	483094	9.21%	0.848%
14	14.395	1940	1948	1954	rBV	1062852	1743642	33.24%	3.062%
15	14.460	1954	1959	1966	rVB	99770	159485	3.04%	0.280%
16	14.801	2012	2017	2023	rVB2	66664	115127	2.19%	0.202%
17	14.878	2026	2030	2035	rVB2	41262	63796	1.22%	0.112%
18	15.019	2047	2054	2059	rBV5	50329	140507	2.68%	0.247%
19	15.272	2093	2097	2104	rBV2	43607	72190	1.38%	0.127%
20	15.448	2123	2127	2140	rVB	130444	253729	4.84%	0.446%
21	15.678	2161	2166	2175	rBV8	36671	96971	1.85%	0.170%
22	15.766	2175	2181	2192	rVV3	119172	264725	5.05%	0.465%
23	15.901	2198	2204	2213	rVB2	423262	740685	14.12%	1.301%
24	16.137	2240	2244	2255	rVB4	99212	212106	4.04%	0.372%
25	16.519	2307	2309	2316	rVB2	51471	68754	1.31%	0.121%
26	16.825	2358	2361	2370	rVB2	145724	232615	4.43%	0.409%
27	16.995	2387	2390	2396	rVB	115156	182837	3.49%	0.321%
28	17.178	2416	2421	2425	rBV	1322593	2028500	38.67%	3.562%
29	17.225	2425	2429	2437	rVB	2028949	2917562	55.62%	5.124%
30	17.319	2440	2445	2451	rVB	493324	756259	14.42%	1.328%
31	17.595	2488	2492	2497	rVB	171355	235848	4.50%	0.414%
32	17.719	2511	2513	2518	rVB2	65862	83692	1.60%	0.147%
33	17.784	2520	2524	2530	rVB	170709	244988	4.67%	0.430%
34	17.925	2545	2548	2557	rVB	111445	220593	4.21%	0.387%
35	18.089	2572	2576	2580	rBV	469585	729266	13.90%	1.281%
36	18.136	2580	2584	2589	rVB	656917	1025182	19.54%	1.800%

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37	18.219	2595	2598	2603	rVB	142598	207474	3.96%	0.364%
38	18.284	2604	2609	2614	rVV2	578676	1115088	21.26%	1.958%
39	18.331	2614	2617	2624	rVB	333839	474066	9.04%	0.833%
40	18.607	2660	2664	2667	rBV2	260661	362816	6.92%	0.637%
41	18.648	2667	2671	2678	rVB2	413534	637554	12.15%	1.120%
42	18.860	2705	2707	2712	rVB2	150220	178125	3.40%	0.313%
43	18.913	2713	2716	2720	rBV	161305	202621	3.86%	0.356%
44	19.048	2733	2739	2744	rBV	512408	972195	18.53%	1.707%
45	19.101	2744	2748	2752	rVV4	203254	380459	7.25%	0.668%
46	19.183	2758	2762	2769	rBV	331668	538457	10.27%	0.946%
47	19.313	2779	2784	2790	rVB	2931226	4387032	83.64%	7.704%
48	19.383	2794	2796	2800	rBV	98378	116503	2.22%	0.205%
49	19.419	2800	2802	2806	rVB2	77896	82818	1.58%	0.145%
50	19.472	2806	2811	2815	rBV	199734	328594	6.26%	0.577%
51	19.519	2816	2819	2823	rVB	125506	138210	2.63%	0.243%
52	19.566	2823	2827	2832	rBV2	205111	394590	7.52%	0.693%
53	19.689	2839	2848	2857	rBV	2869256	4881253	93.06%	8.572%
54	19.778	2858	2863	2869	rVB3	292557	585383	11.16%	1.028%
55	19.907	2881	2885	2889	rVB	972132	1149260	21.91%	2.018%
56	20.030	2902	2906	2914	rVB3	230800	483727	9.22%	0.850%
57	20.178	2927	2931	2933	rBV4	205467	356896	6.80%	0.627%
58	20.207	2933	2936	2941	rVB2	580055	756380	14.42%	1.328%
59	20.307	2951	2953	2958	rVB	256869	309230	5.90%	0.543%
60	20.372	2960	2964	2969	rVV2	398605	557951	10.64%	0.980%
61	20.519	2986	2989	2993	rVB	399157	480176	9.15%	0.843%
62	20.566	2994	2997	3002	rVV	400283	478046	9.11%	0.840%
63	21.001	3067	3071	3080	rVB	391915	612331	11.67%	1.075%
64	21.189	3097	3103	3107	rBV2	405303	834588	15.91%	1.466%
65	21.342	3126	3129	3136	rVB	319582	478636	9.12%	0.841%
66	21.625	3169	3177	3182	rBV2	2032076	5245381	100.00%	9.212%
67	21.677	3182	3186	3197	rVB	1229862	2400723	45.77%	4.216%
68	23.936	3563	3570	3578	rBV2	835922	2629572	50.13%	4.618%
69	24.683	3693	3697	3710	rVB	678237	1722201	32.83%	3.025%
70	24.830	3716	3722	3730	rVB	651398	1474005	28.10%	2.589%
71	25.007	3743	3752	3760	rBV2	725399	2474168	47.17%	4.345%

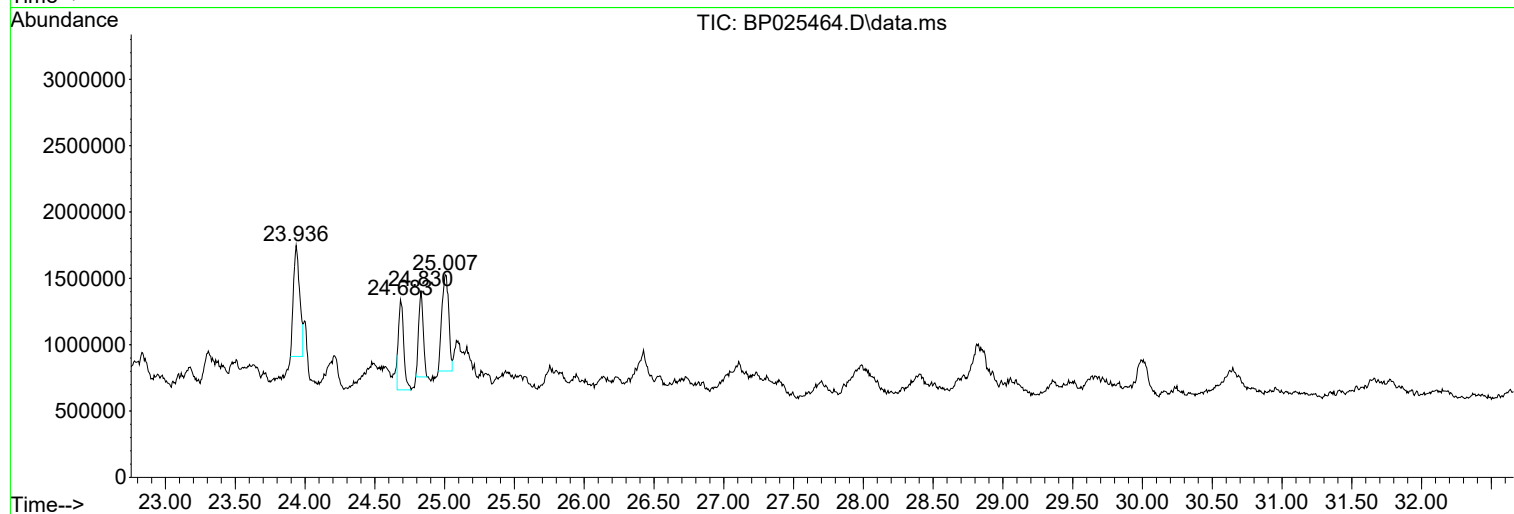
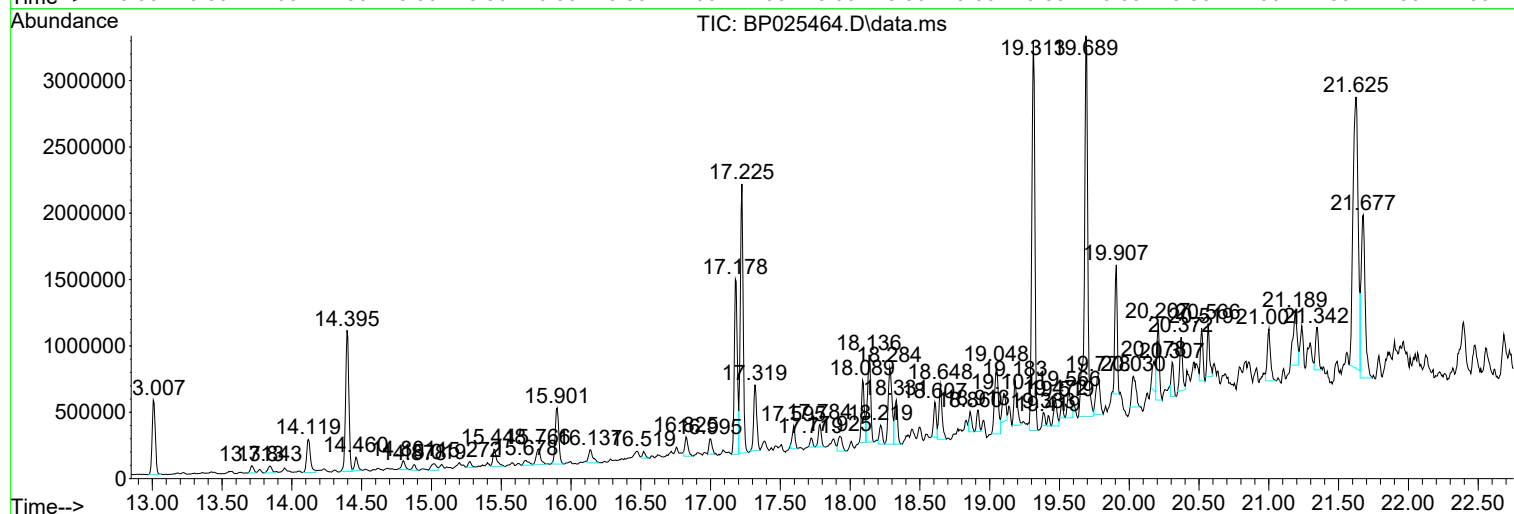
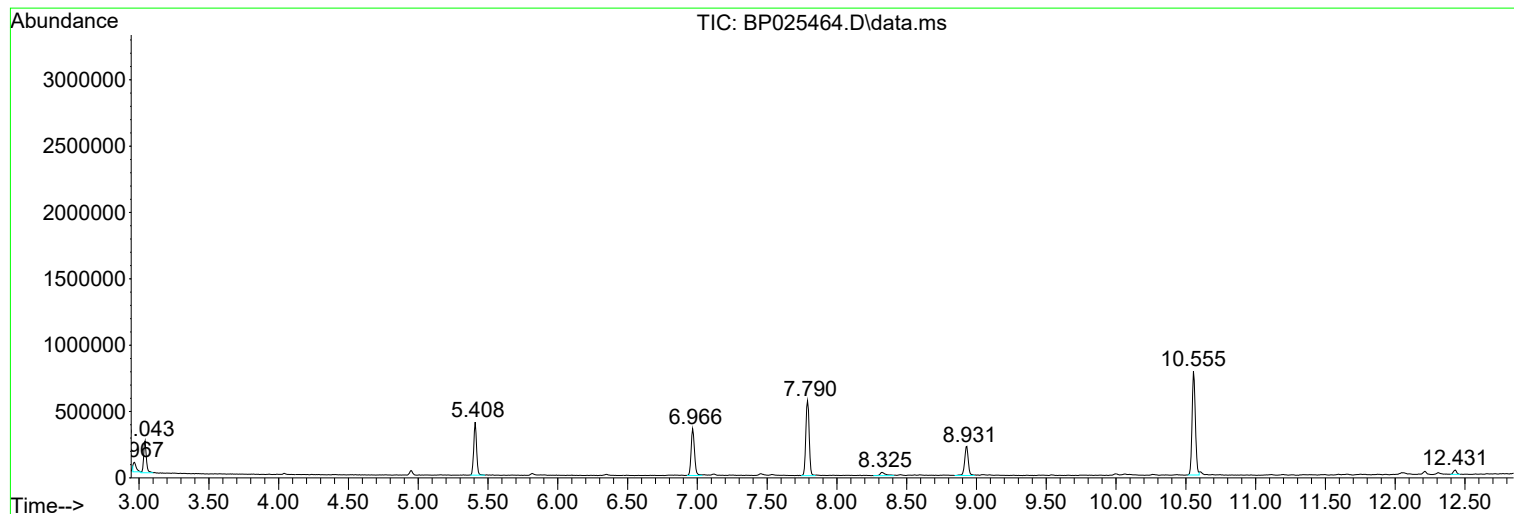
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
72-12002

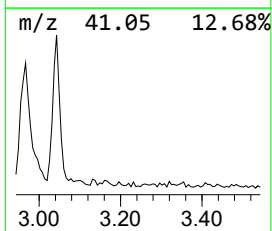
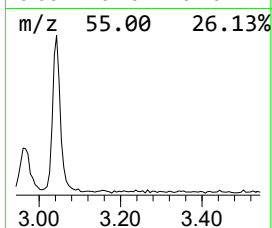
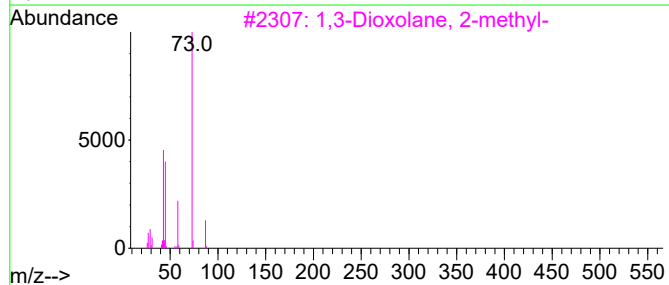
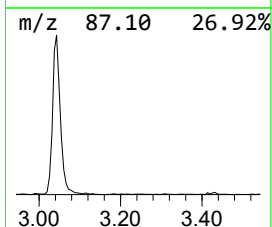
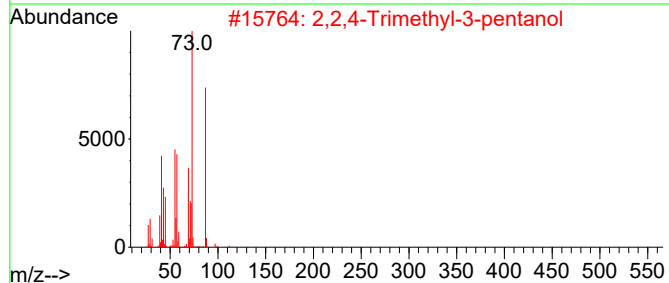
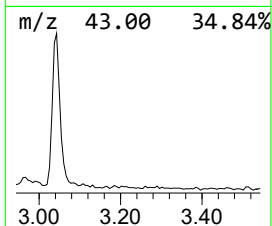
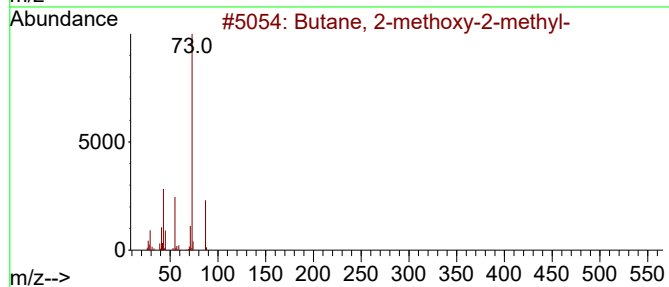
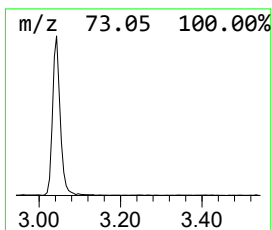
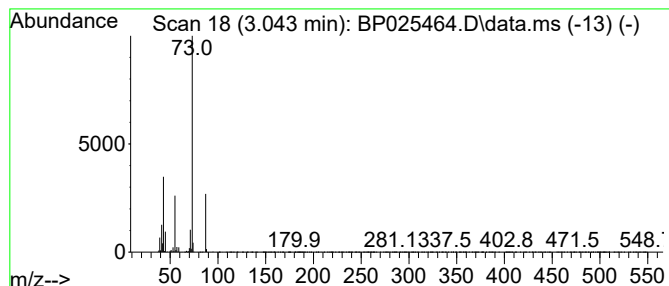
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	6.92 ng	323786	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



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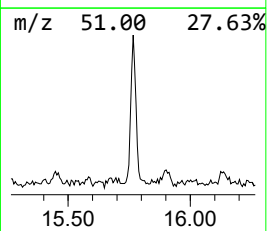
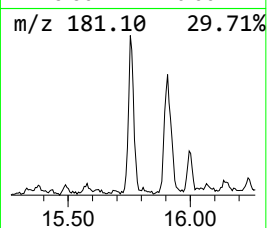
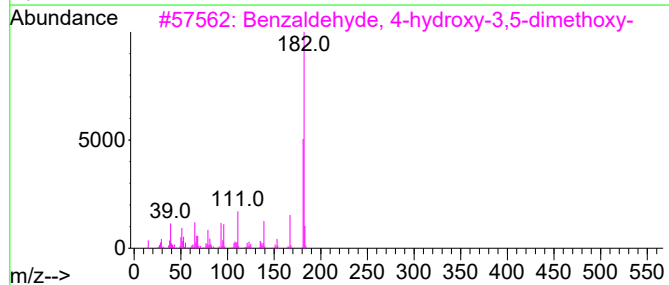
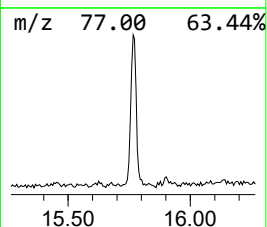
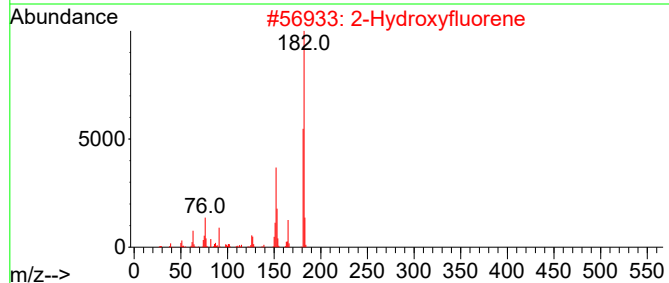
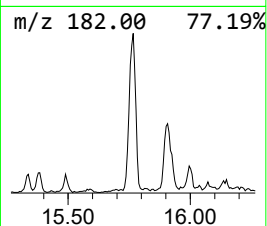
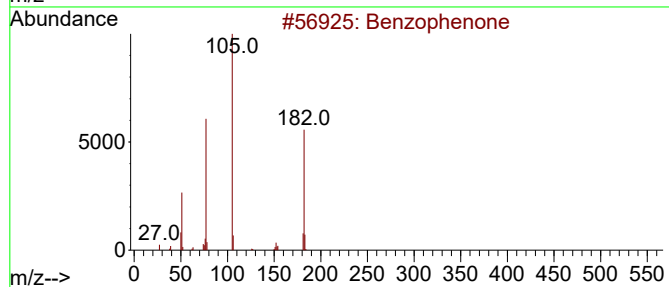
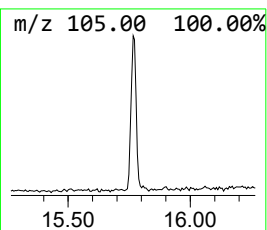
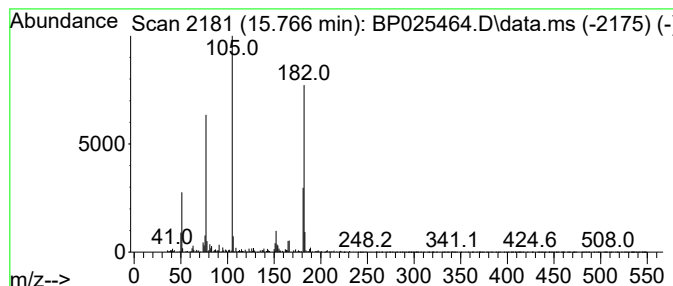
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	3.04 ng	264725	Acenaphthene-d10	14.396

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	93
2			2-Hydroxyfluorene	182	C13H10O	002443-58-5	55
3			Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	46
4			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
5			Azobenzene	182	C12H10N2	000103-33-3	43



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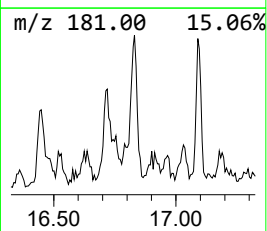
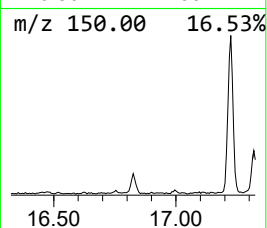
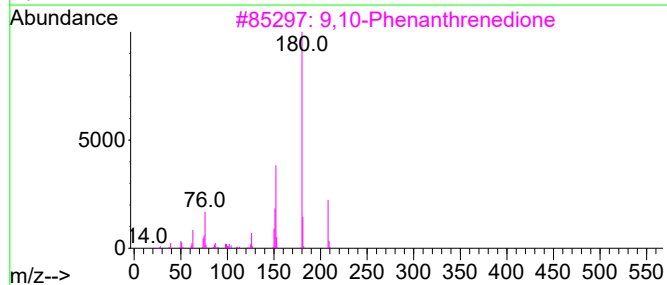
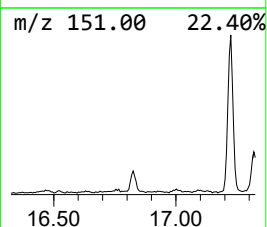
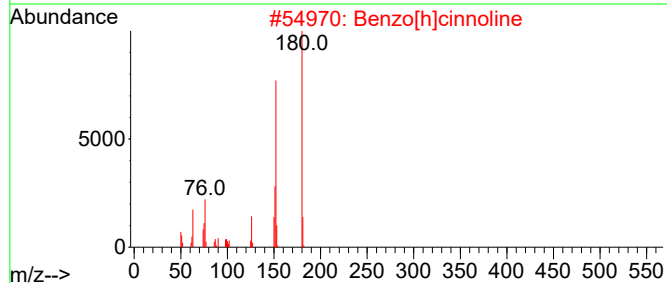
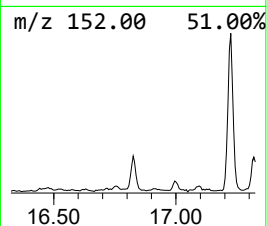
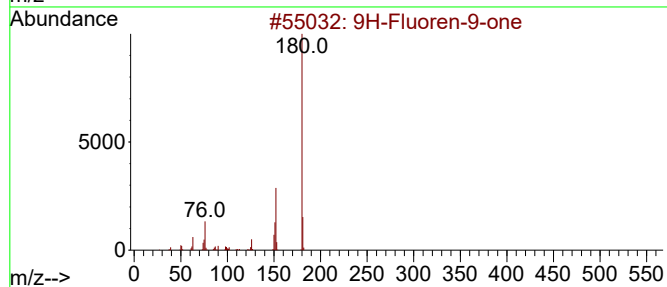
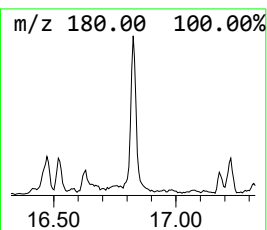
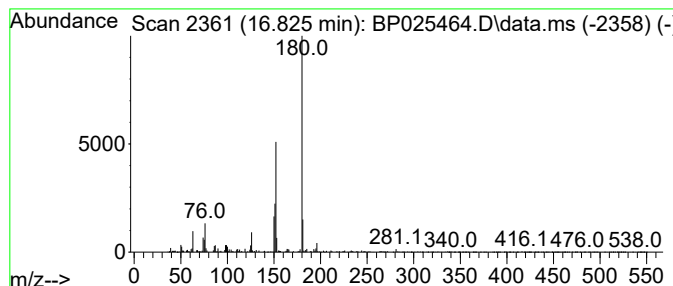
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.825	2.29 ng	232615	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3			9,10-Phenanthredione	208	C14H8O2	000084-11-7	86
4			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	80



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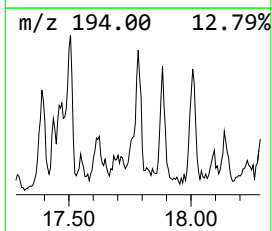
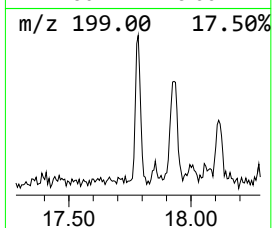
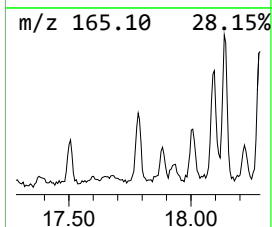
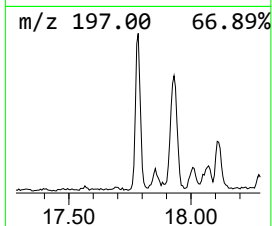
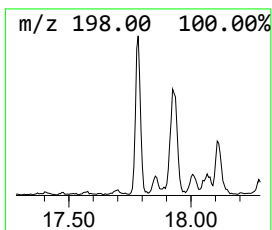
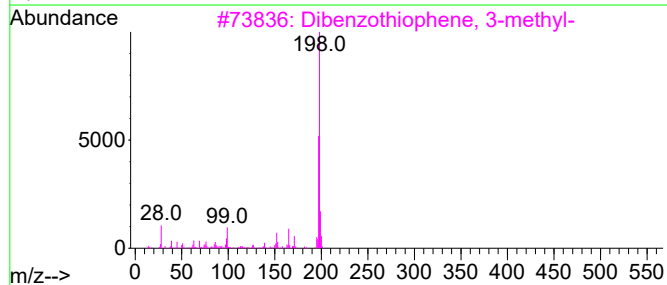
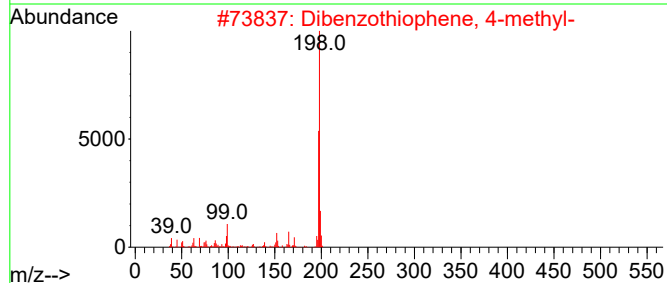
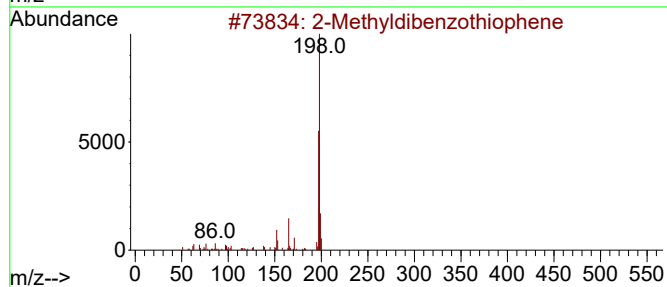
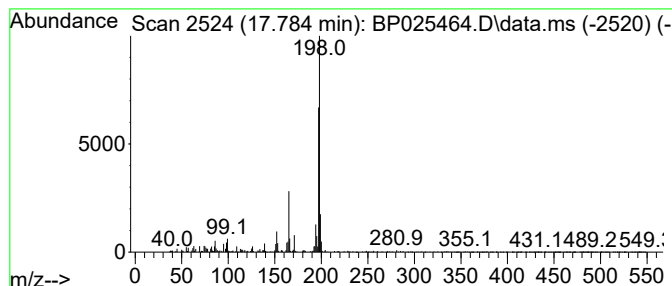
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.784	2.42 ng	244988	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	83
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
3			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
4			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5			3-quinolinecarbonitrile, 2-ethyl...	198	C12H10N2O	1000396-02-7	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
72-12002

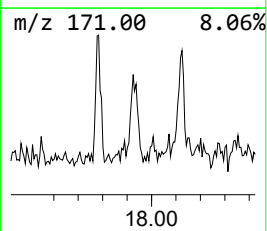
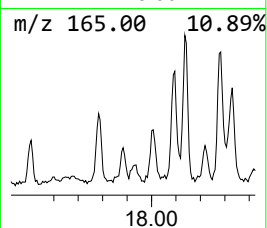
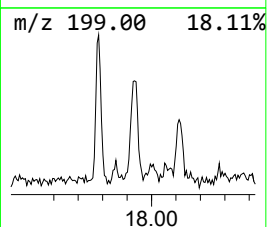
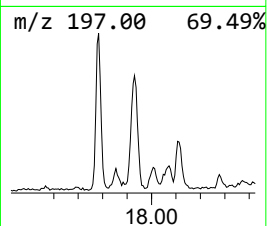
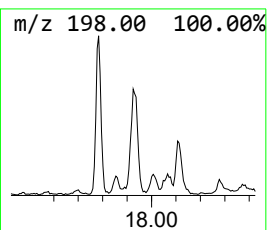
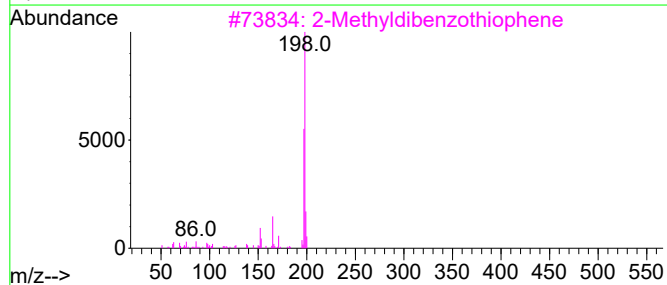
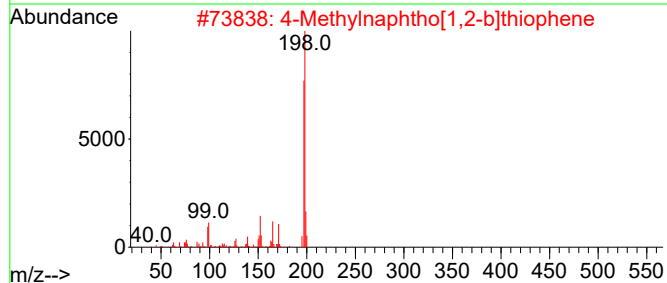
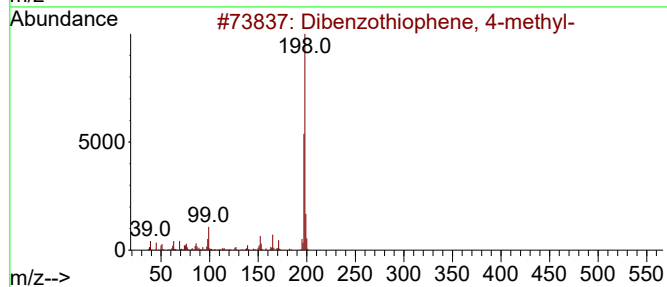
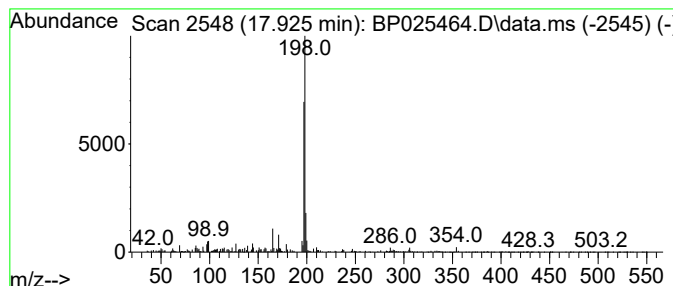
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.925	2.17 ng	220593	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
2			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	90
3			2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	81
4			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	81
5			Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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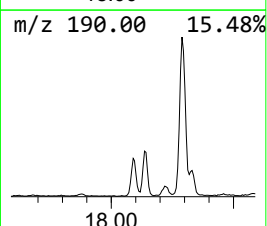
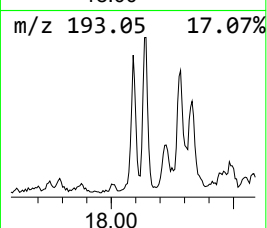
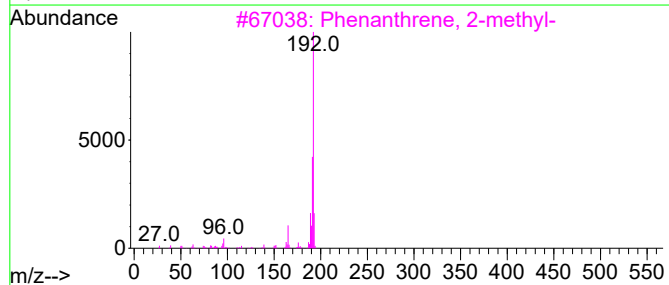
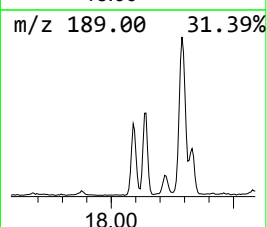
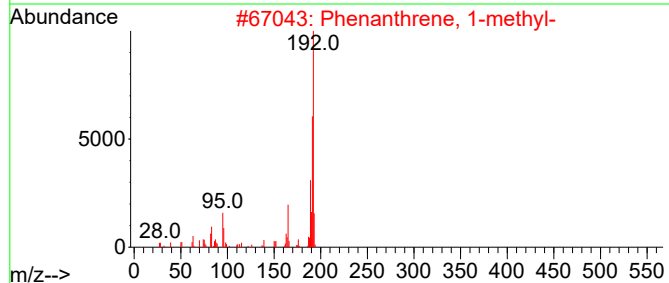
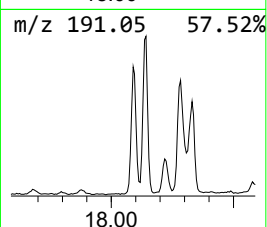
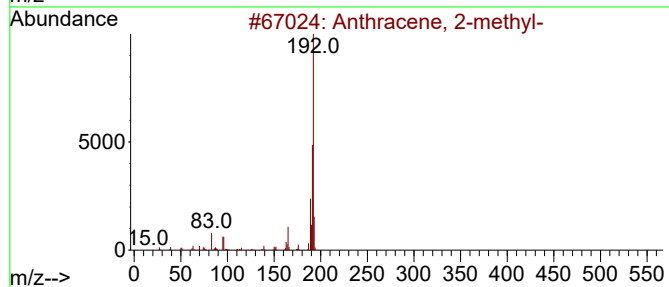
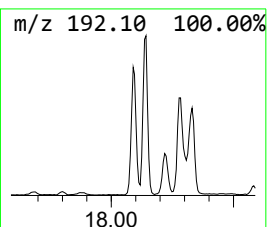
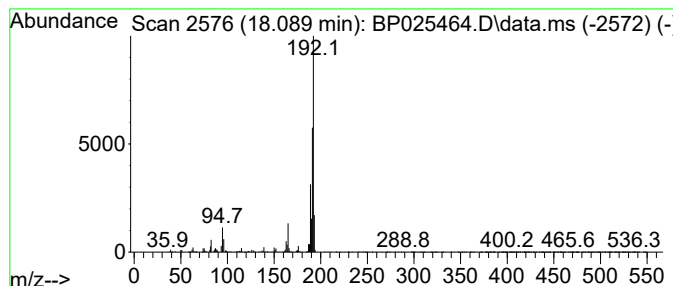
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.089	7.19 ng	729266	Phenanthrene-d10	17.178

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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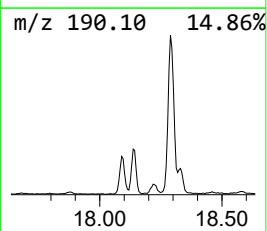
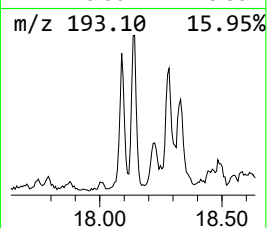
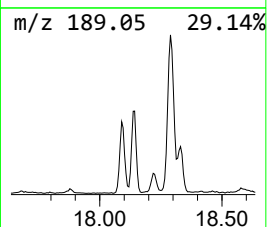
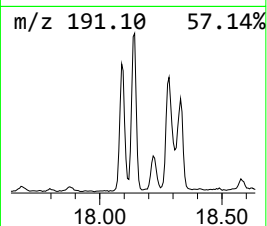
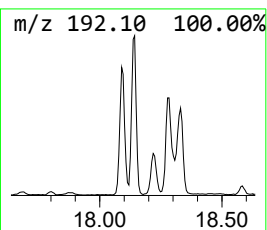
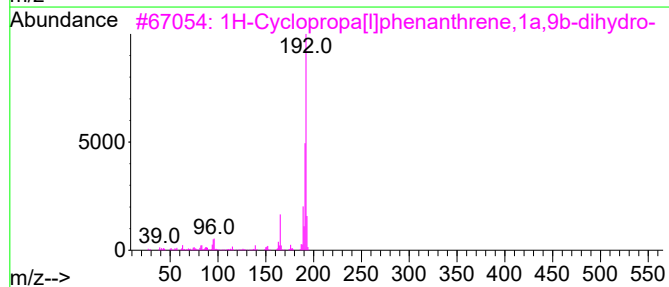
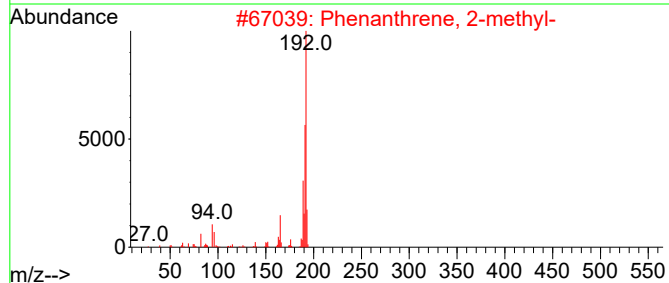
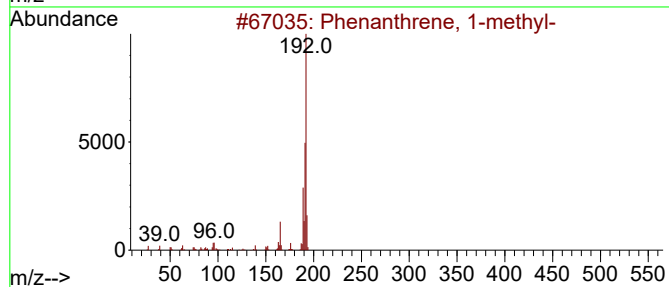
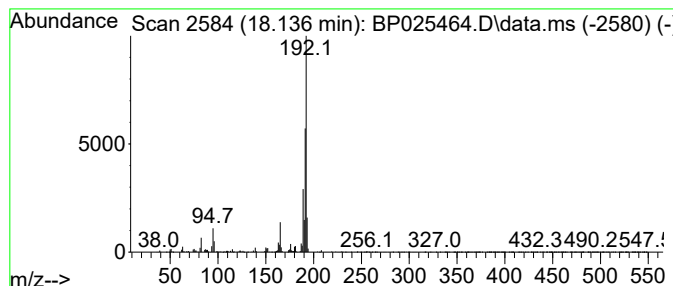
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.137	10.11 ng	1025180	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
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Instrument :
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ClientSampleId :
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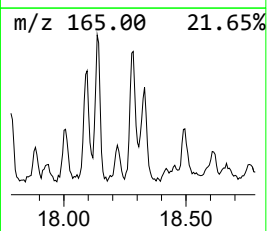
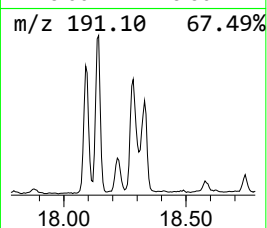
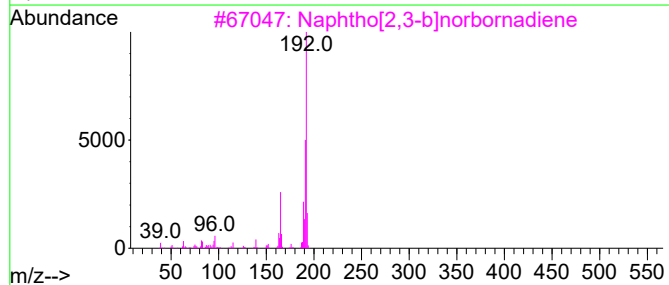
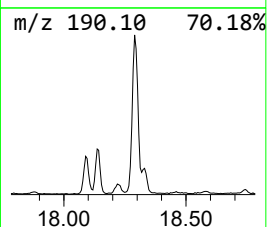
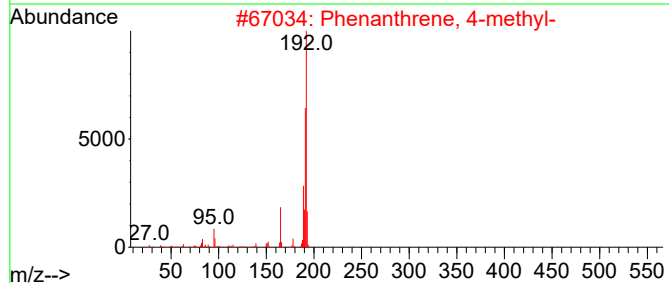
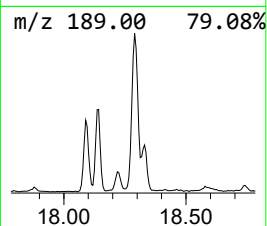
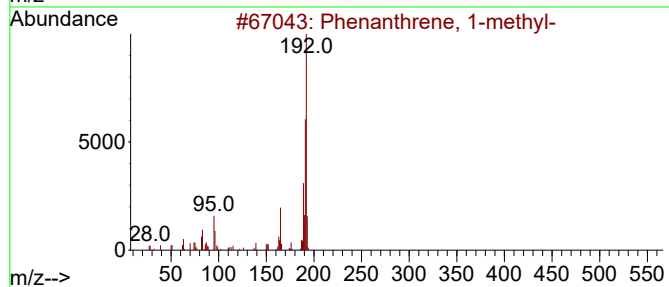
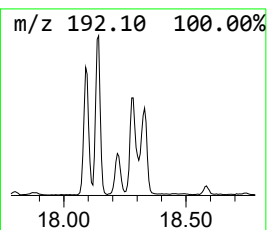
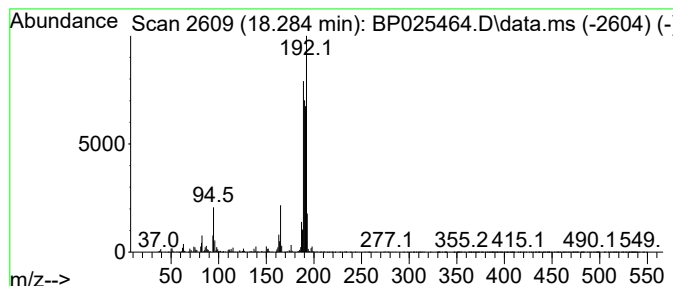
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.284	10.99 ng	1115090	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
4			1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
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Instrument :
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ClientSampleId :
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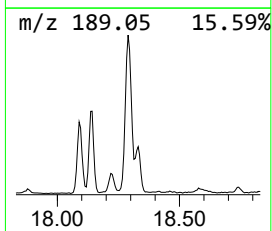
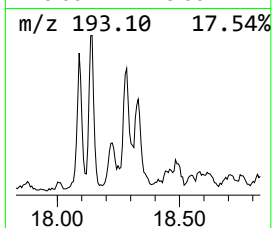
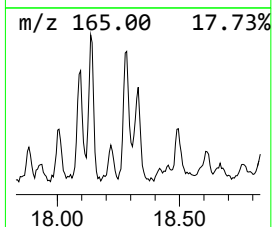
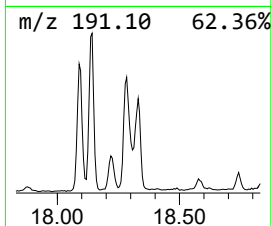
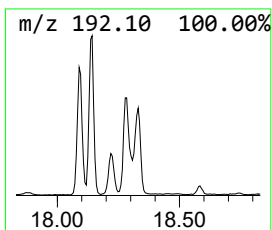
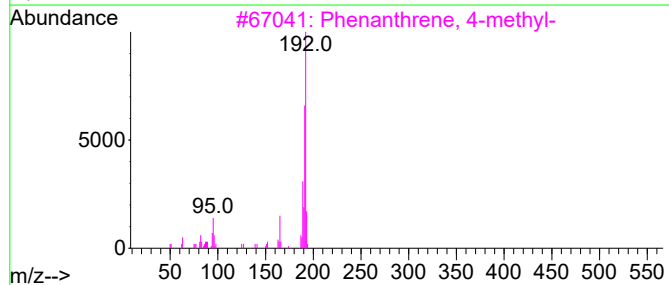
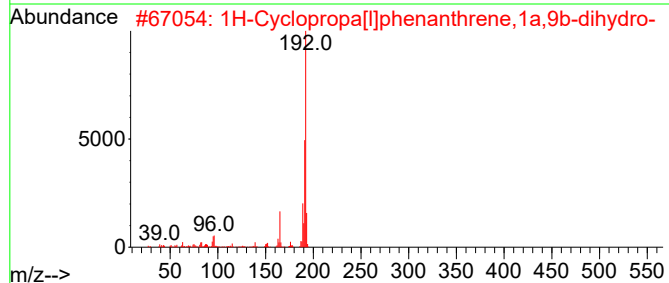
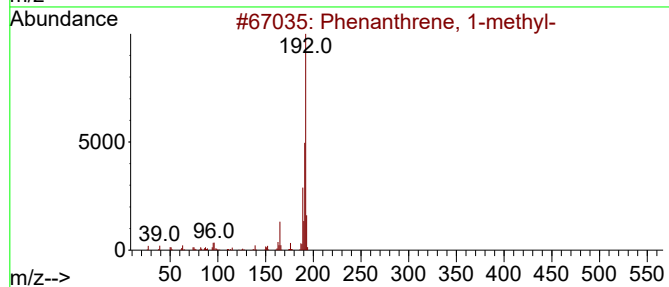
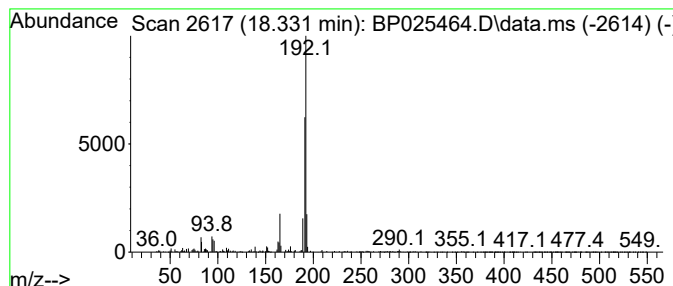
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.331	4.67 ng	474066	Phenanthrene-d10	17.178

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
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Acq On : 18 Aug 2025 16:54
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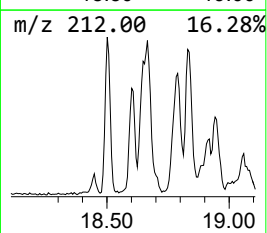
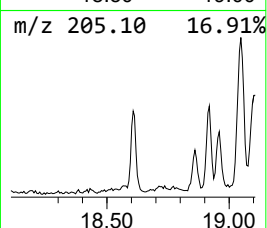
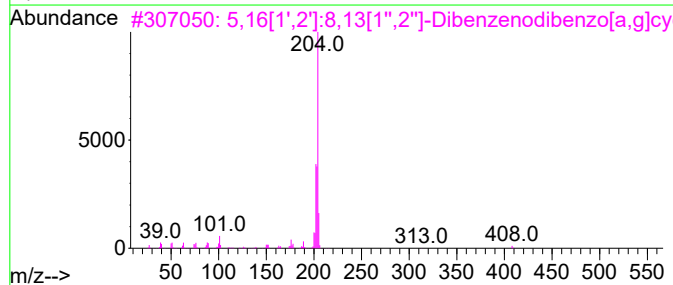
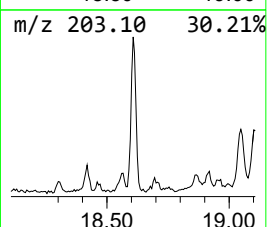
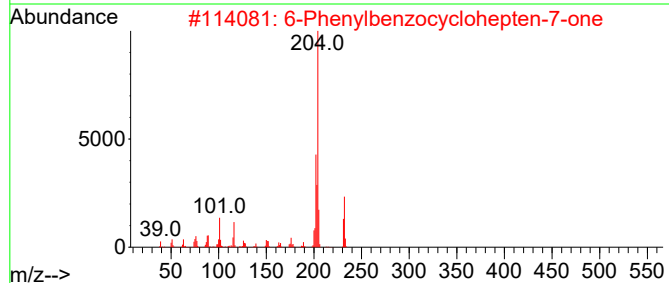
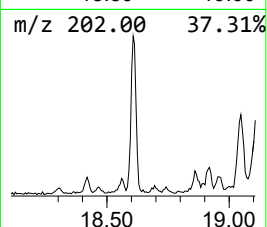
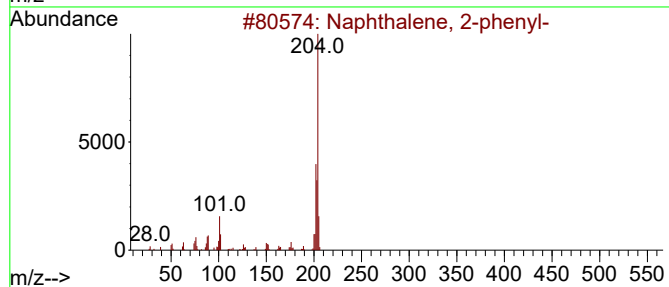
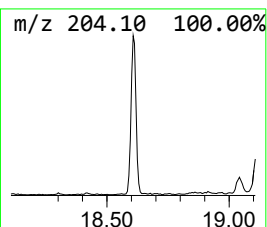
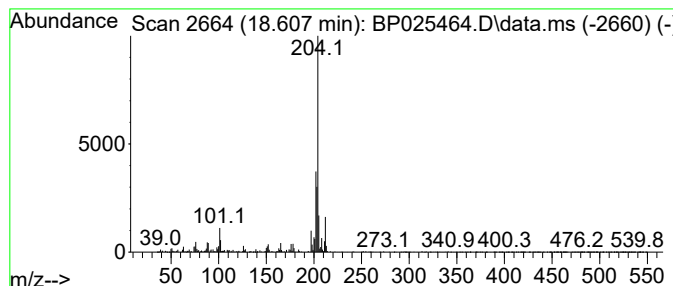
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.607	3.58 ng	362816	Phenanthrene-d10	17.178

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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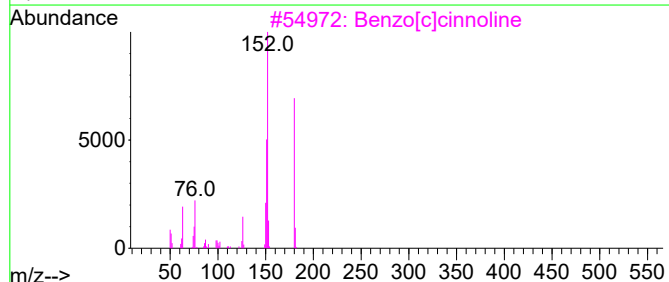
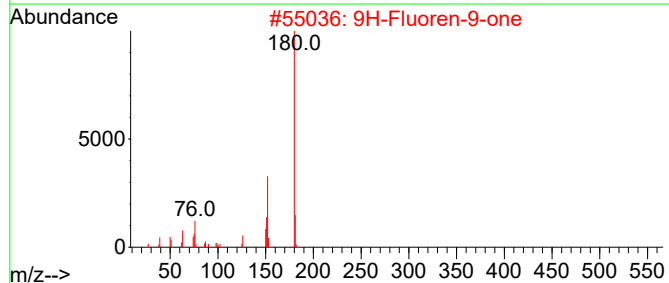
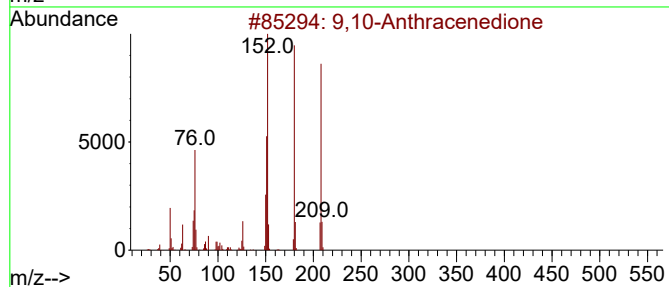
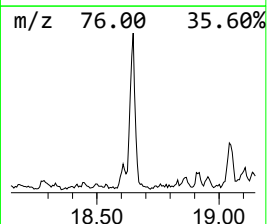
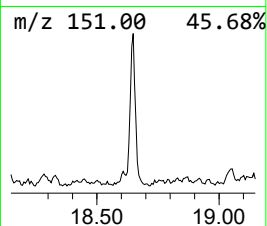
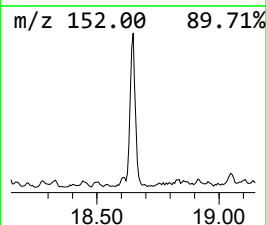
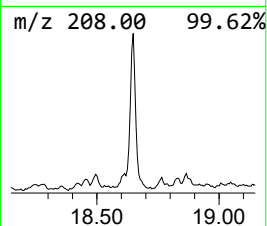
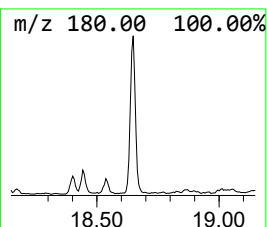
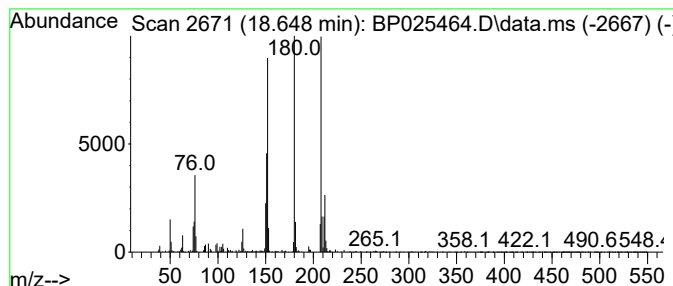
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.648	6.29 ng	637554	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione			208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one			180	C13H8O	000486-25-9	78
3	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	64
4	1,4-Anthracenedione			208	C14H8O2	000635-12-1	60
5	1H-Phenalen-1-one			180	C13H8O	000548-39-0	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
72-12002

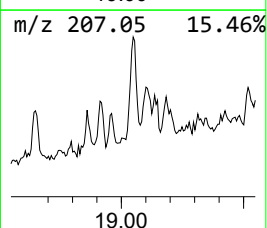
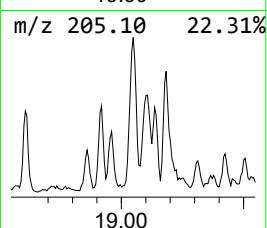
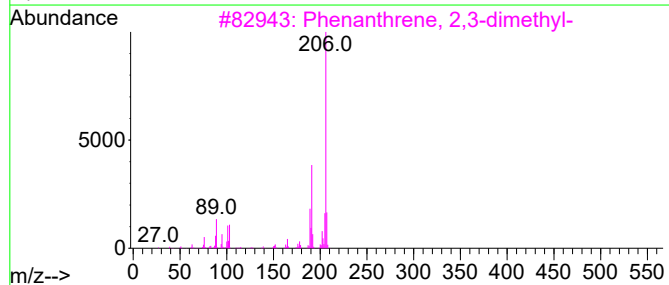
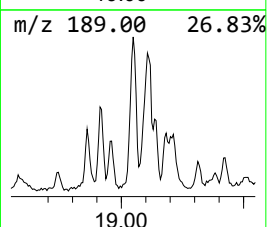
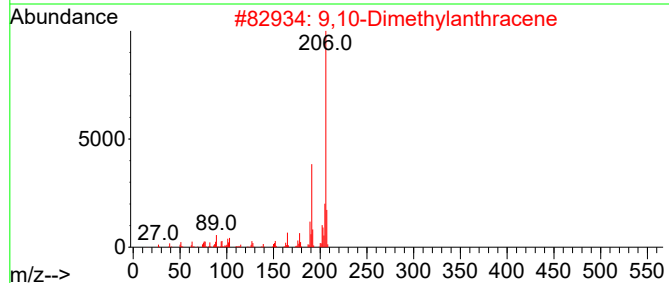
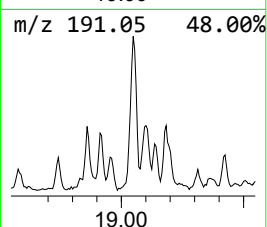
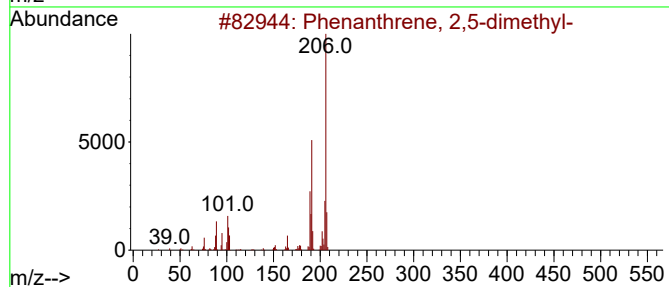
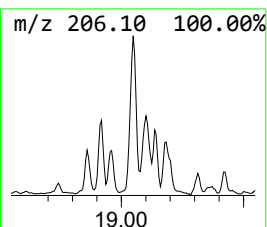
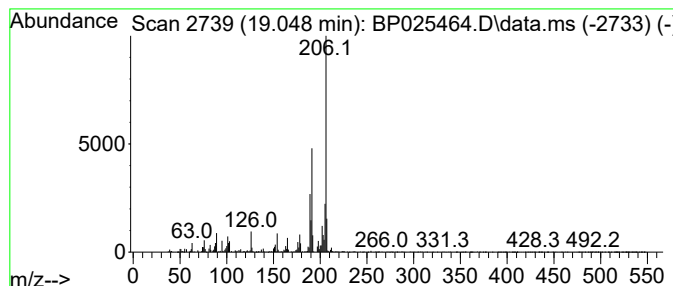
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.048	9.59 ng	972195	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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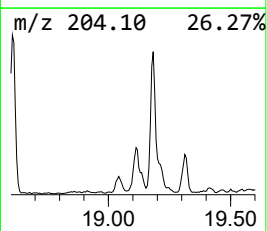
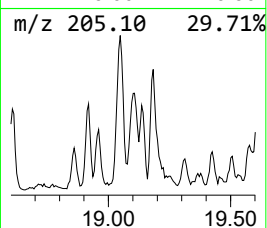
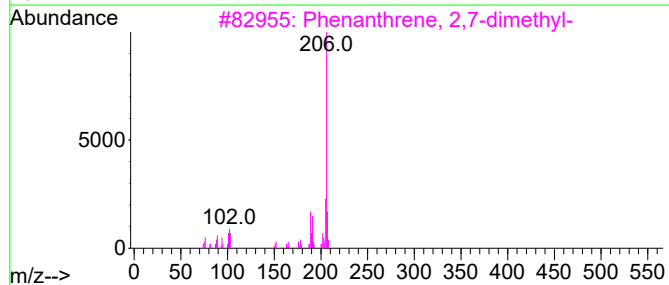
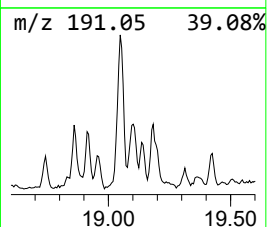
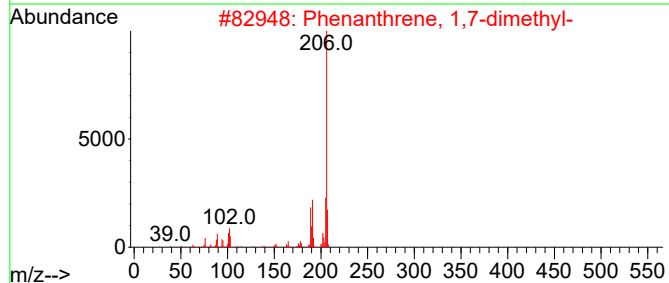
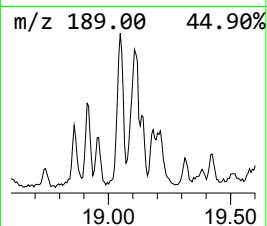
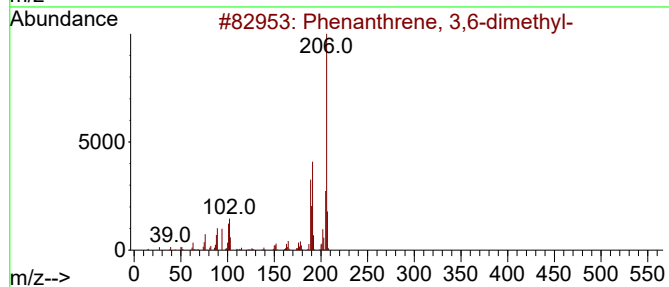
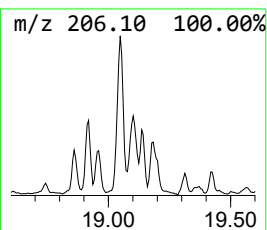
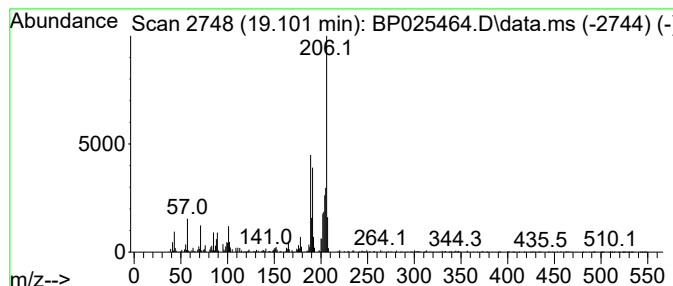
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.101	3.75 ng	380459	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	86
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
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Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

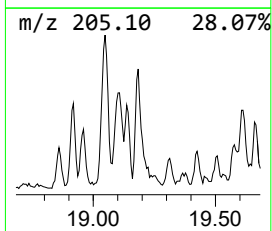
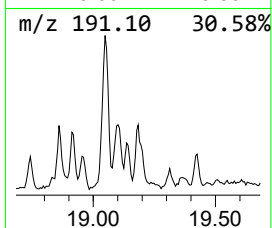
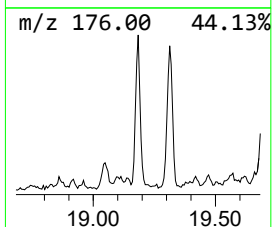
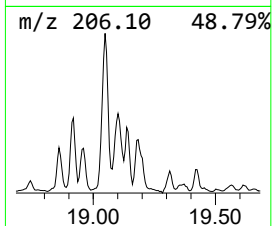
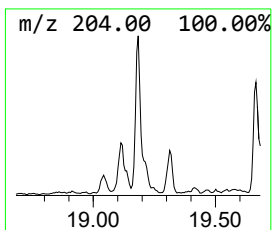
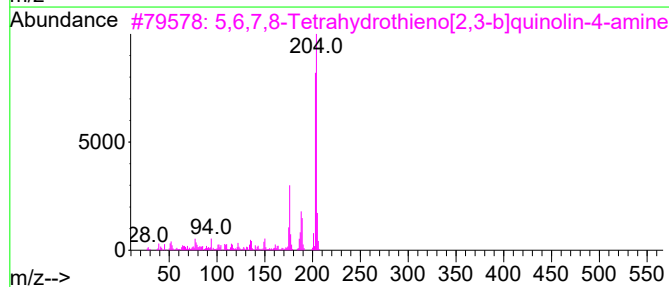
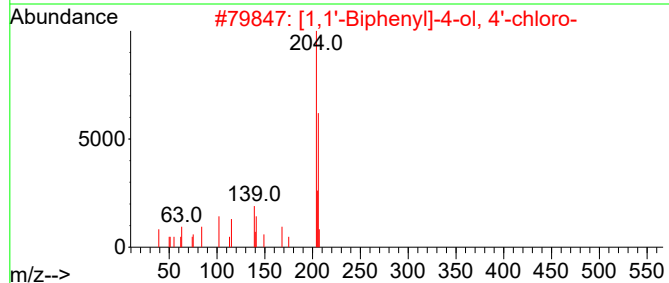
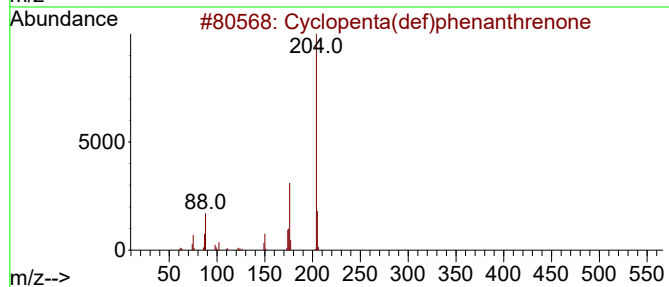
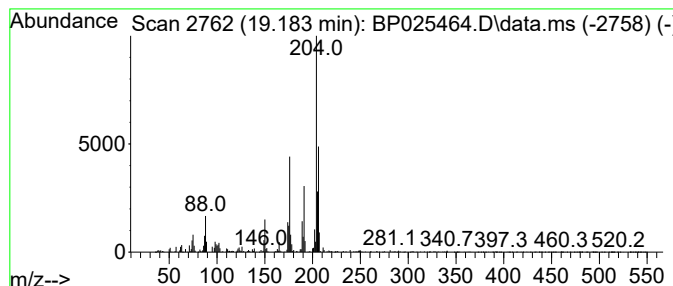
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.183	5.31 ng	538457	Phenanthrene-d10	17.178	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
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Misc :
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Instrument :
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ClientSampleId :
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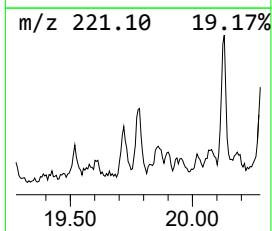
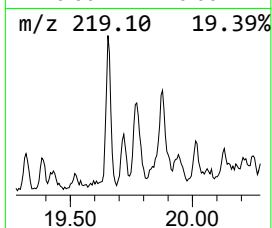
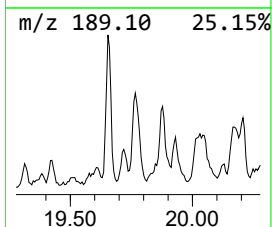
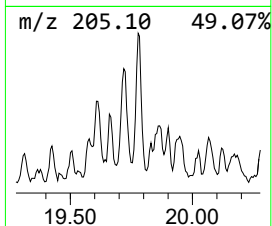
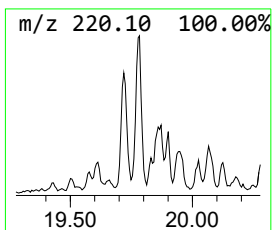
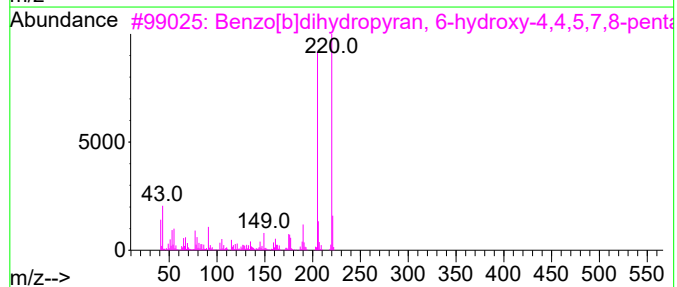
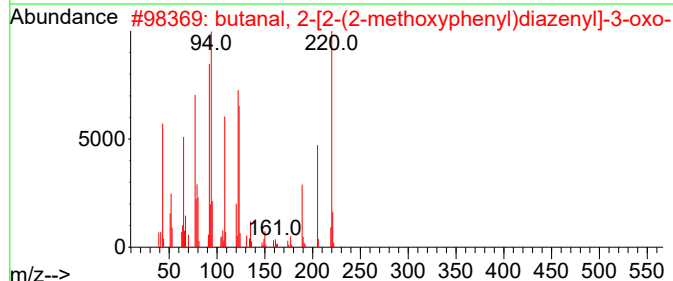
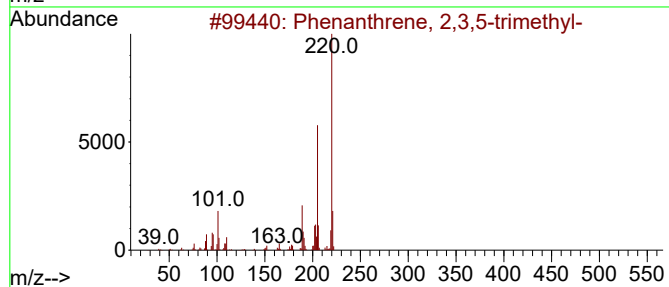
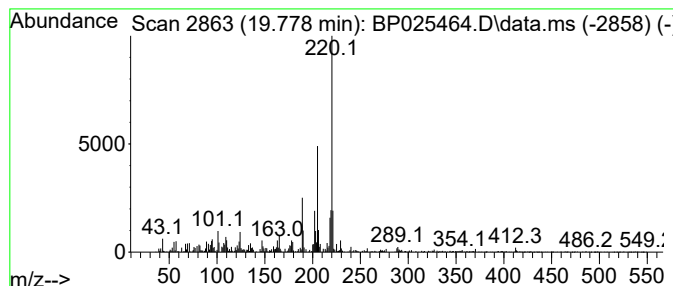
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.778	2.23 ng	585383	Chrysene-d12	21.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	89
2			butanal, 2-[2-(2-methoxyphenyl)d...	220	C11H12N2O3	1000396-24-5	64
3			Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	64
4			4-Phenyl-2-naphthol	220	C16H12O	036159-74-7	53
5			[4,4'-Bipyrimidine]-2,2',6(1H,1'...	220	C9H8N4O3	018694-06-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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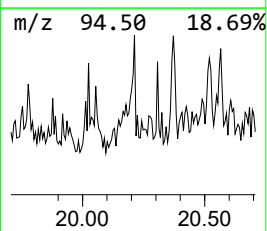
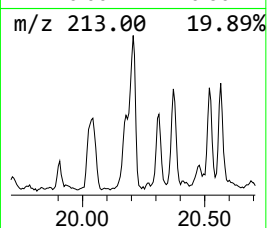
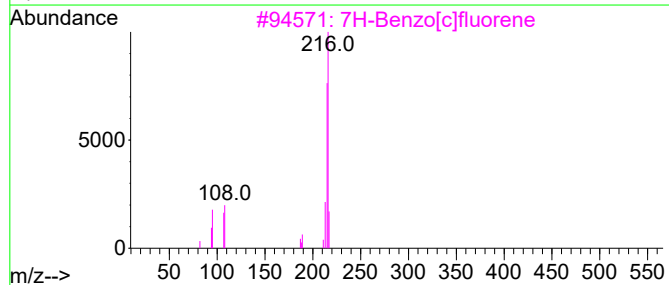
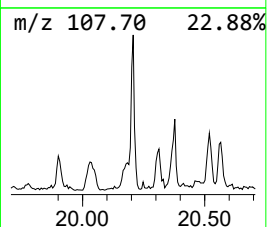
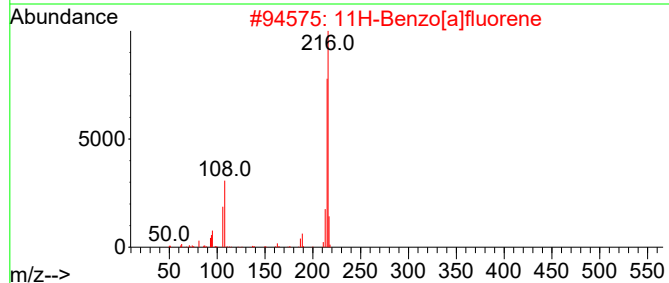
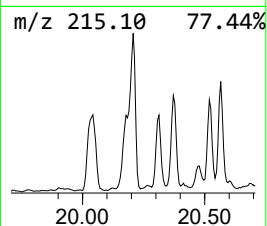
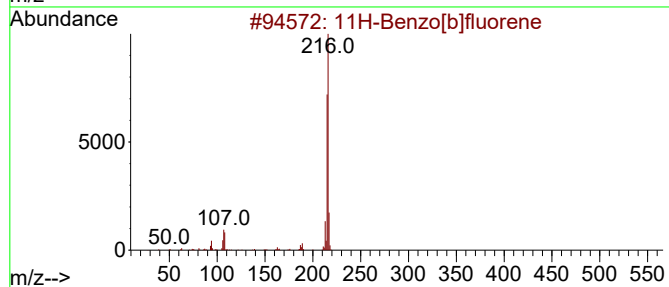
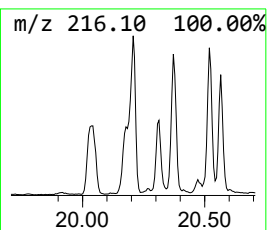
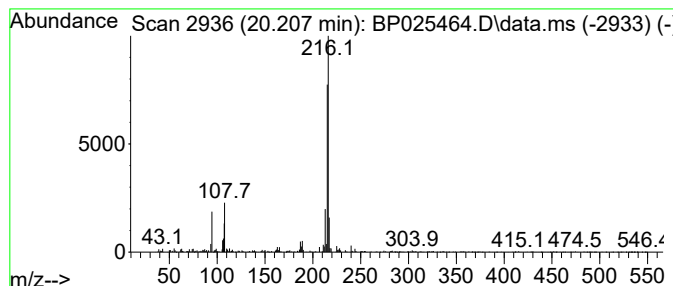
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.207	2.88 ng	756380	Chrysene-d12	21.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
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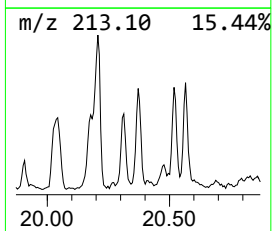
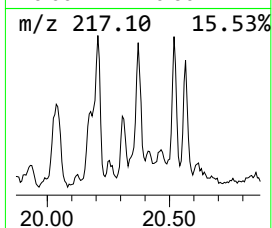
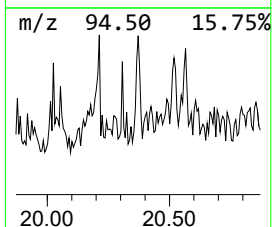
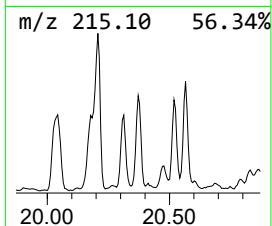
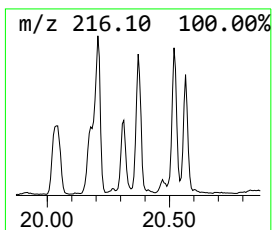
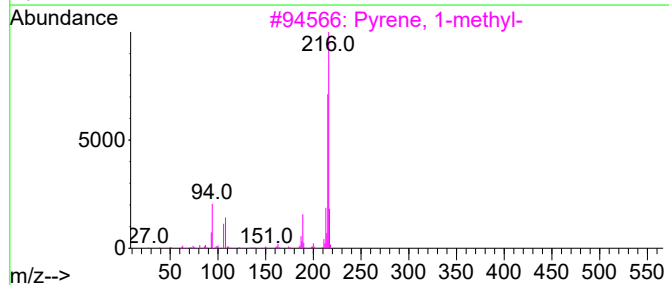
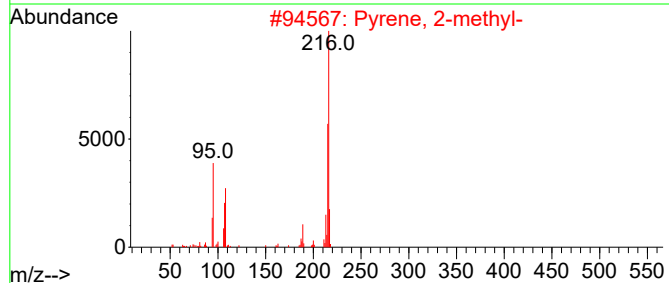
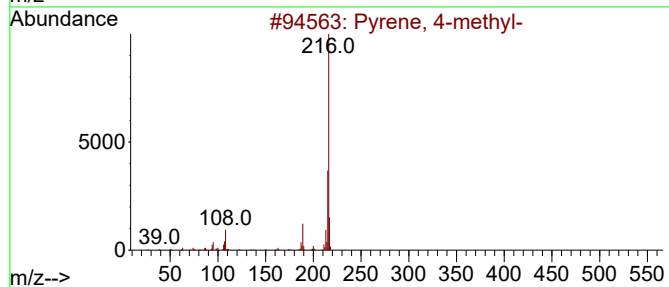
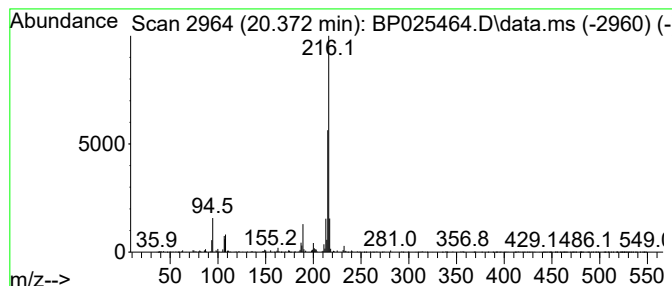
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
20.372	2.13 ng	557951	Chrysene-d12		21.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-		216	C17H12	003353-12-6	95
2	Pyrene, 2-methyl-		216	C17H12	003442-78-2	95
3	Pyrene, 1-methyl-		216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-		216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene		216	C17H12	000238-84-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
72-12002

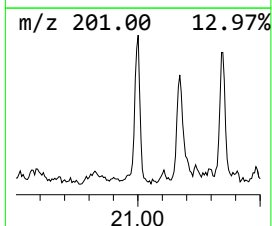
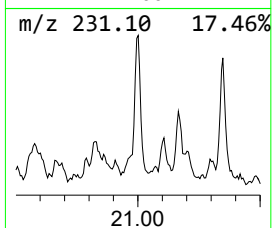
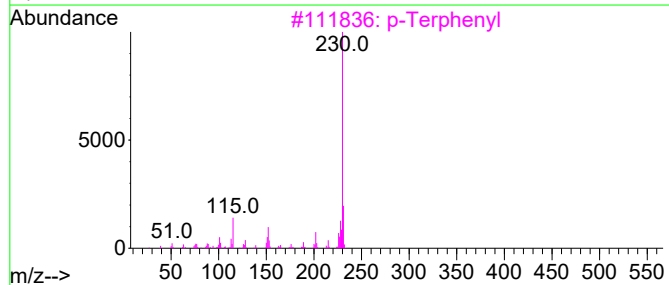
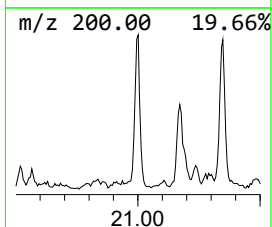
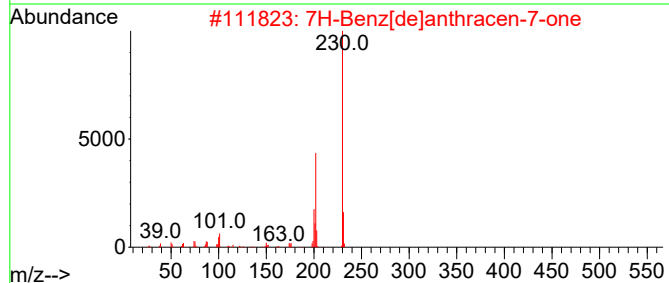
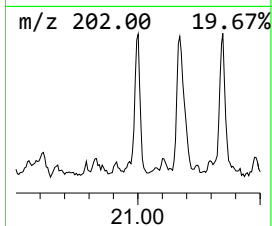
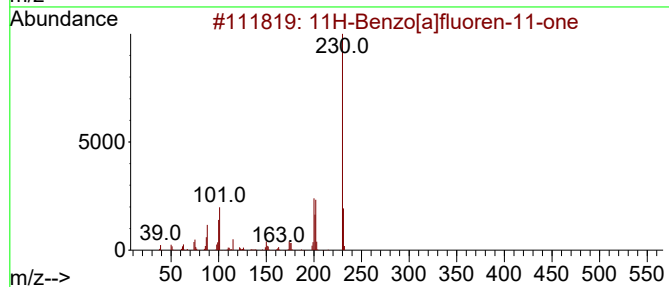
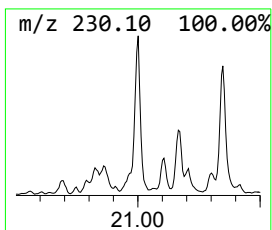
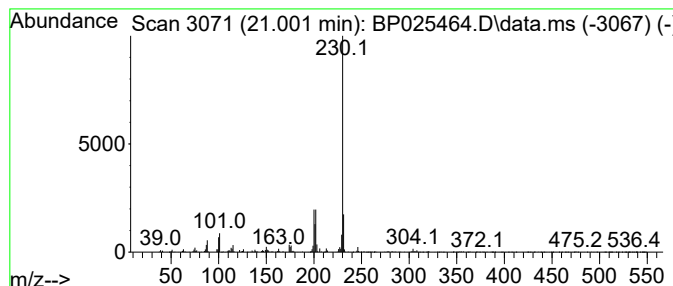
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.001	2.33 ng	612331	Chrysene-d12	21.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3		p-Terphenyl	230	C18H14	000092-94-4	53
4		9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	53
5		o-Terphenyl	230	C18H14	000084-15-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

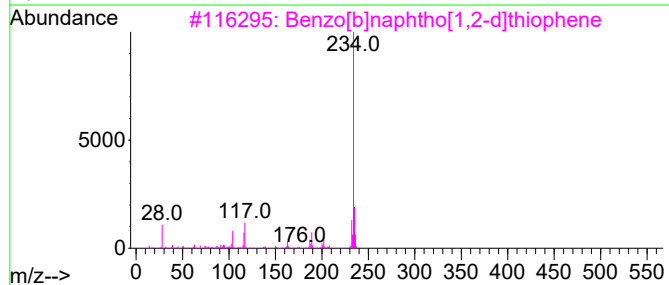
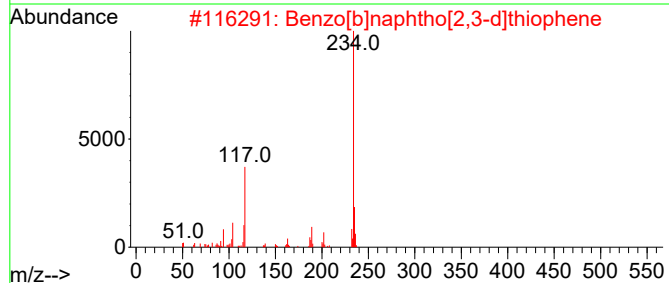
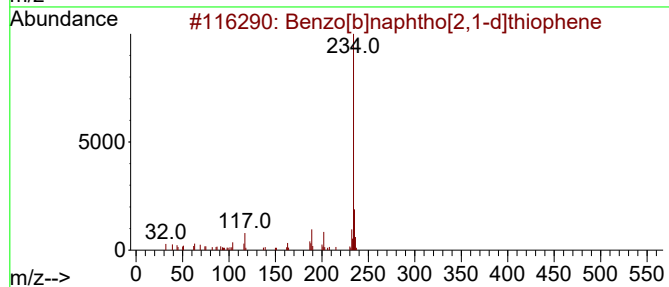
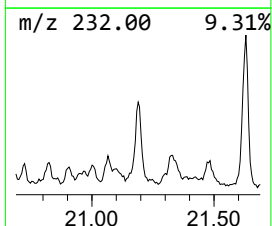
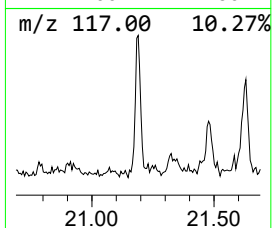
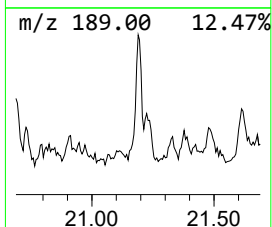
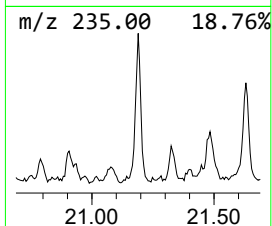
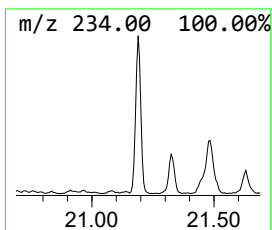
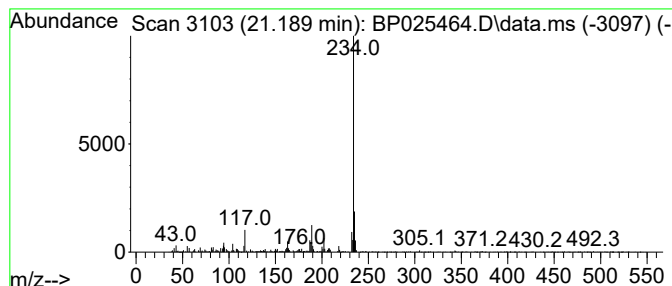
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
21.189	3.18 ng	834588	Chrysene-d12		21.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene		234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene		234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene		234	C16H10S	000205-43-6	91
4	Anthra(2,3-b)thiophene		234	C16H10S	022108-55-0	72
5	Phenanthro(2,1-b)thiophene		234	C16H10S	000219-25-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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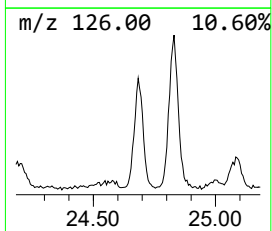
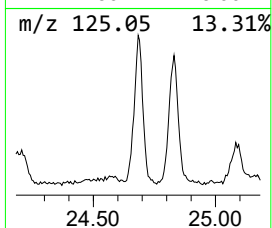
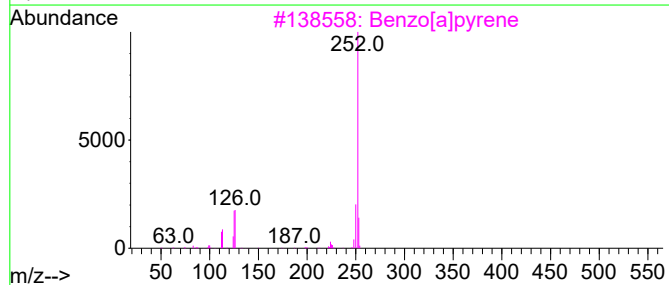
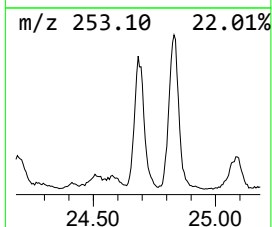
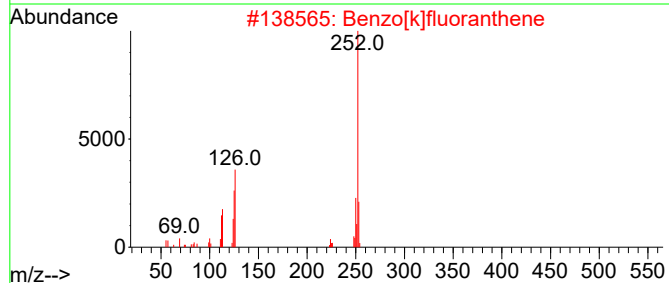
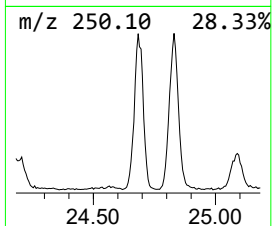
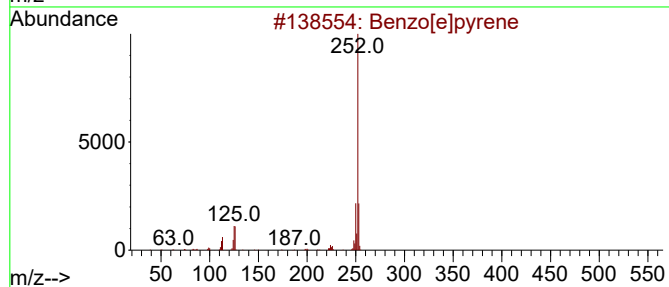
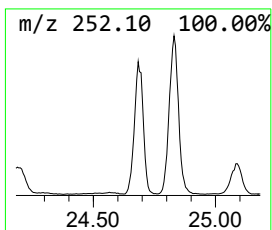
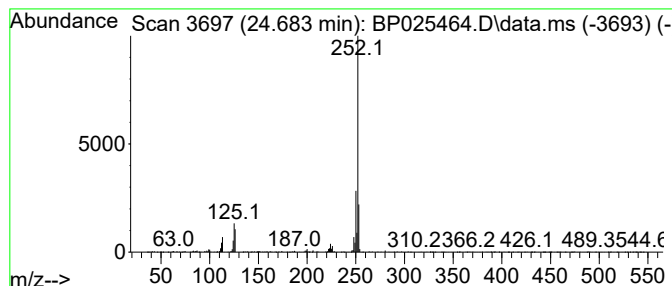
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.683	13.92 ng	1722200	Perylene-d12	25.007

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Benzo[a]pyrene	252	C20H12	000050-32-8	93
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5			Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025464.D
Acq On : 18 Aug 2025 16:54
Operator : CG/JU
Sample : Q2857-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
Butane, 2-metho...	3.043	6.9	ng	323786	1	7.790	936071	20.0
Benzophenone	15.766	3.0	ng	264725	3	14.396	1743640	20.0
9H-Fluoren-9-one	16.825	2.3	ng	232615	4	17.178	2028500	20.0
2-Methyldibenzo...	17.784	2.4	ng	244988	4	17.178	2028500	20.0
Dibenzothiophen...	17.925	2.2	ng	220593	4	17.178	2028500	20.0
Anthracene, 2-m...	18.089	7.2	ng	729266	4	17.178	2028500	20.0
Phenanthrene, 1...	18.137	10.1	ng	1025180	4	17.178	2028500	20.0
Phenanthrene, 4...	18.284	11.0	ng	1115090	4	17.178	2028500	20.0
1H-Cyclopropa[1...	18.331	4.7	ng	474066	4	17.178	2028500	20.0
Naphthalene, 2-...	18.607	3.6	ng	362816	4	17.178	2028500	20.0
9,10-Anthracene...	18.648	6.3	ng	637554	4	17.178	2028500	20.0
Phenanthrene, 2...	19.048	9.6	ng	972195	4	17.178	2028500	20.0
Phenanthrene, 3...	19.101	3.8	ng	380459	4	17.178	2028500	20.0
Cyclopenta(def)...	19.183	5.3	ng	538457	4	17.178	2028500	20.0
Phenanthrene, 2...	19.778	2.2	ng	585383	5	21.630	5245380	20.0
11H-Benzo[b]flu...	20.207	2.9	ng	756380	5	21.630	5245380	20.0
Pyrene, 4-methyl-	20.372	2.1	ng	557951	5	21.630	5245380	20.0
11H-Benzo[a]flu...	21.001	2.3	ng	612331	5	21.630	5245380	20.0
Benzo[b]naphtho...	21.189	3.2	ng	834588	5	21.630	5245380	20.0
Benzo[e]pyrene	24.683	13.9	ng	1722200	6	25.007	2474170	20.0