

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
 Data File : BP025852.D
 Acq On : 24 Sep 2025 19:31
 Operator : CG/JU
 Sample : Q3159-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-255

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-BP091225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025852.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.008	8	12	27	rVB	1004902	1210802	14.16%	1.659%
2	5.384	409	416	435	rBV	1732954	2960879	34.62%	4.057%
3	6.949	674	682	710	rBV	1437927	2973798	34.78%	4.075%
4	7.749	811	818	826	rBV	508532	817945	9.57%	1.121%
5	8.896	1003	1013	1036	rBV	979872	1945875	22.75%	2.666%
6	10.519	1281	1289	1307	rBV	553814	1215117	14.21%	1.665%
7	12.190	1564	1573	1581	rBV	39568	85917	1.00%	0.118%
8	12.978	1698	1707	1728	rBV	2954353	4655861	54.45%	6.379%
9	13.548	1793	1804	1813	rBV3	44879	126571	1.48%	0.173%
10	13.684	1819	1827	1833	rBV2	75794	132592	1.55%	0.182%
11	14.372	1935	1944	1950	rBV	1091769	1760932	20.59%	2.413%
12	14.437	1950	1955	1965	rVB	297621	507480	5.93%	0.695%
13	14.784	2008	2014	2022	rBV	188651	320865	3.75%	0.440%
14	15.442	2120	2126	2138	rBV	475551	702116	8.21%	0.962%
15	15.607	2150	2154	2159	rVB2	71967	111199	1.30%	0.152%
16	15.760	2173	2180	2187	rBV2	419898	654755	7.66%	0.897%
17	15.895	2195	2203	2216	rBV	2731387	4429594	51.80%	6.069%
18	16.472	2294	2301	2305	rVB2	95562	176154	2.06%	0.241%
19	16.837	2358	2363	2370	rVB3	57664	106669	1.25%	0.146%
20	16.913	2370	2376	2384	rVV4	67486	191419	2.24%	0.262%
21	16.989	2385	2389	2401	rVB	118767	225652	2.64%	0.309%
22	17.178	2415	2421	2424	rBV	1694434	2289302	26.77%	3.137%
23	17.219	2424	2428	2436	rVV	2470233	3836731	44.87%	5.257%
24	17.319	2439	2445	2451	rVV	912309	1448777	16.94%	1.985%
25	17.372	2451	2454	2462	rVB4	49459	104684	1.22%	0.143%
26	17.607	2487	2494	2508	rBV	265750	573539	6.71%	0.786%
27	18.084	2566	2575	2578	rBV	289583	518337	6.06%	0.710%
28	18.119	2578	2581	2591	rVV2	858959	1690484	19.77%	2.316%
29	18.219	2594	2598	2603	rVV	187660	291619	3.41%	0.400%
30	18.283	2604	2609	2614	rVV2	467872	886346	10.36%	1.214%
31	18.325	2614	2616	2623	rVB	187145	240996	2.82%	0.330%
32	18.607	2660	2664	2669	rBV	194620	281279	3.29%	0.385%
33	18.654	2669	2672	2681	rVB	171674	284902	3.33%	0.390%
34	18.854	2702	2706	2711	rVB	64181	102160	1.19%	0.140%
35	19.036	2733	2737	2742	rBV2	134908	223136	2.61%	0.306%
36	19.107	2743	2749	2750	rBV6	53134	93588	1.09%	0.128%

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37	19.183	2756	2762	2769	rVB3	87039	212129	2.48%	0.291%
38	19.307	2776	2783	2792	rBV	3005597	4934578	57.70%	6.761%
39	19.442	2803	2806	2813	rVB2	209308	289578	3.39%	0.397%
40	19.678	2837	2846	2857	rBV2	2097084	4191572	49.02%	5.743%
41	19.766	2857	2861	2868	rVB2	164445	261506	3.06%	0.358%
42	19.901	2874	2884	2889	rBV	6221859	8551418	100.00%	11.717%
43	20.036	2901	2907	2913	rBV5	188821	430971	5.04%	0.590%
44	20.201	2925	2935	2939	rBV	600520	1020176	11.93%	1.398%
45	20.307	2948	2953	2958	rBV	462742	696446	8.14%	0.954%
46	20.378	2958	2965	2968	rVV2	219633	483378	5.65%	0.662%
47	20.413	2968	2971	2974	rVB	112667	140376	1.64%	0.192%
48	20.513	2985	2988	2992	rBV2	136573	181753	2.13%	0.249%
49	20.560	2992	2996	3001	rVV2	117386	215053	2.51%	0.295%
50	20.948	3059	3062	3066	rBV4	84971	141172	1.65%	0.193%
51	21.001	3067	3071	3077	rVB	203733	320836	3.75%	0.440%
52	21.183	3099	3102	3106	rBV2	180465	251475	2.94%	0.345%
53	21.225	3106	3109	3113	rVV	190578	248624	2.91%	0.341%
54	21.277	3113	3118	3127	rVB4	574267	946003	11.06%	1.296%
55	21.619	3168	3176	3180	rBV2	1865583	4225260	49.41%	5.789%
56	21.666	3180	3184	3195	rVB	1015740	1795338	20.99%	2.460%
57	23.913	3559	3566	3573	rBV	673156	1936507	22.65%	2.653%
58	24.813	3714	3719	3734	rVB	357697	886477	10.37%	1.215%
59	24.971	3738	3746	3755	rVV	1006054	2446374	28.61%	3.352%

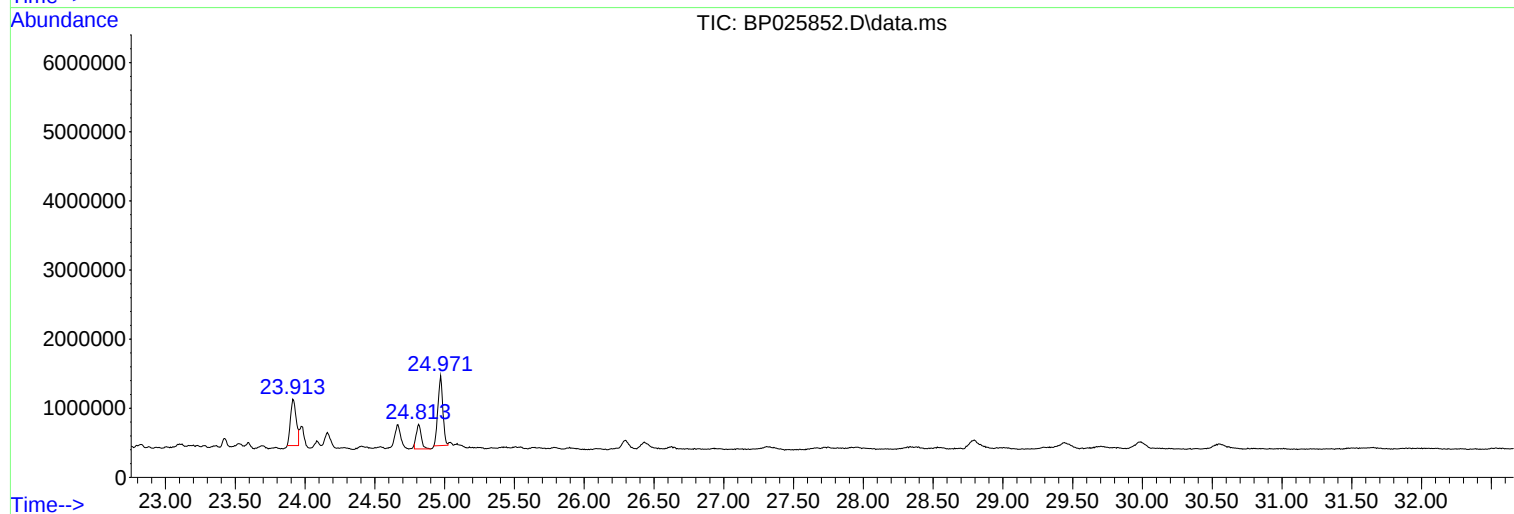
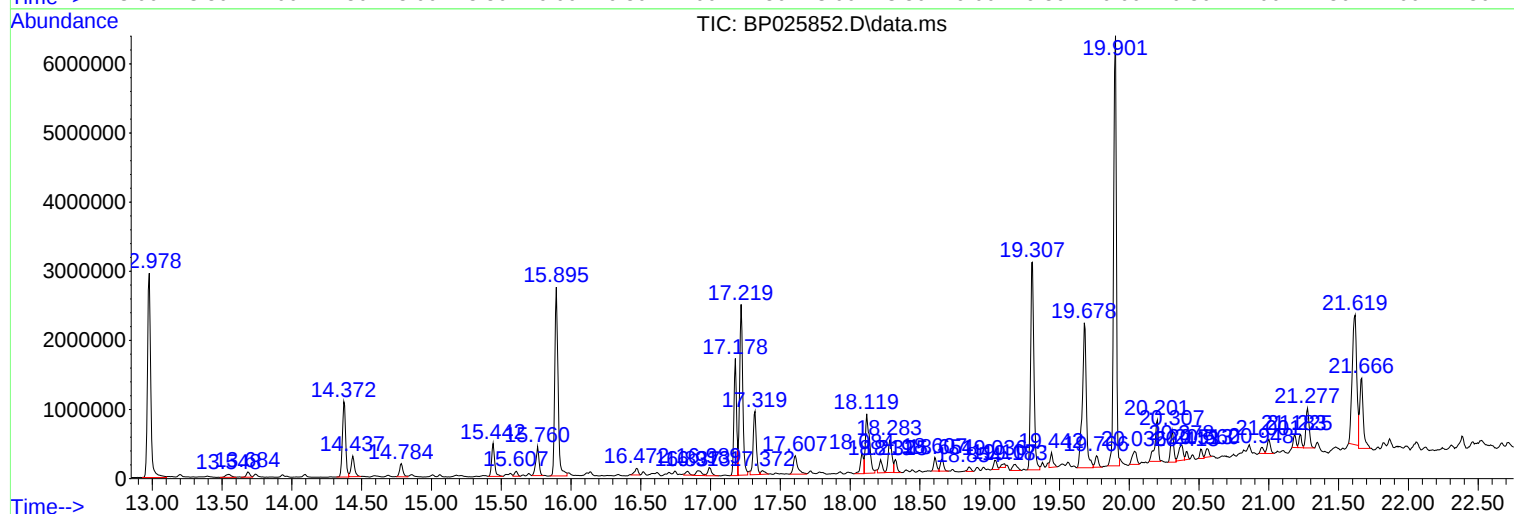
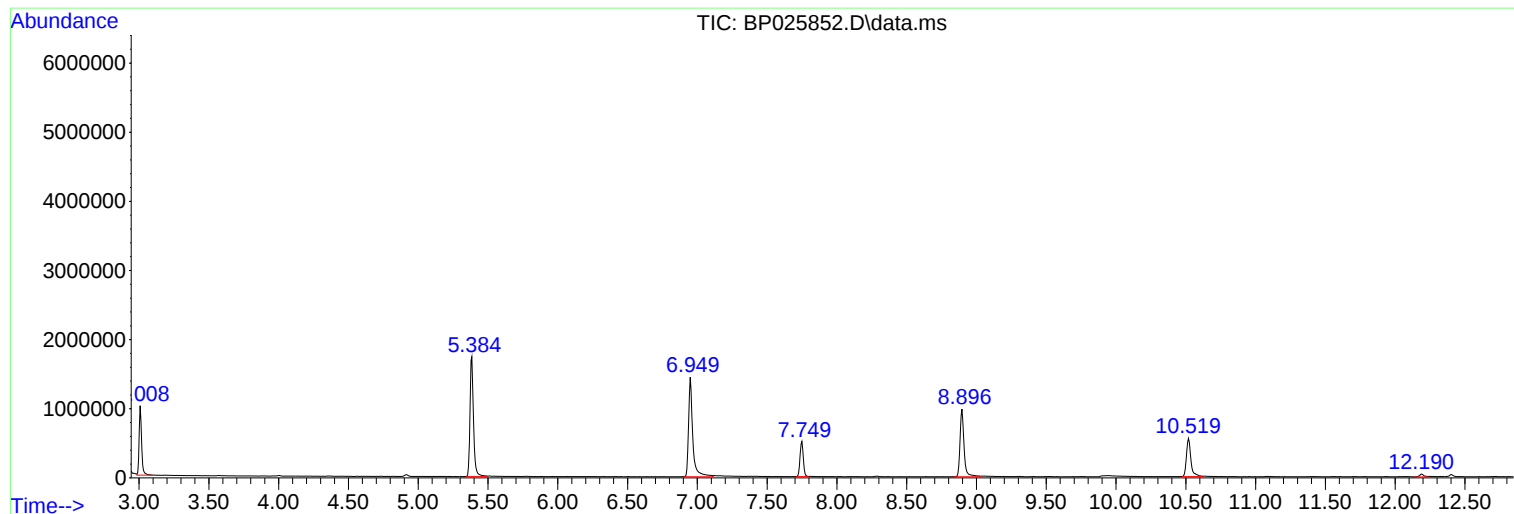
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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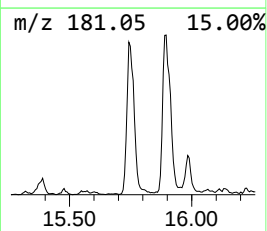
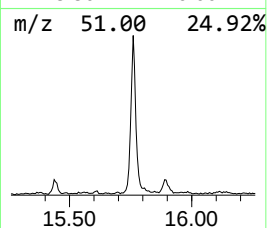
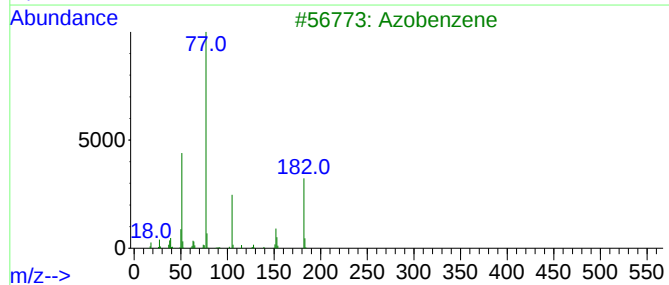
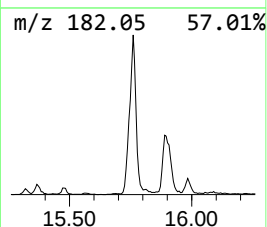
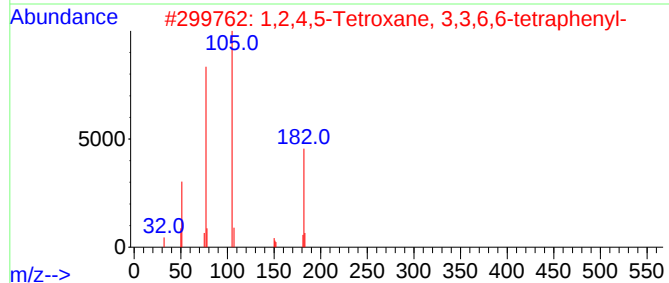
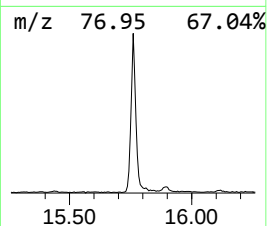
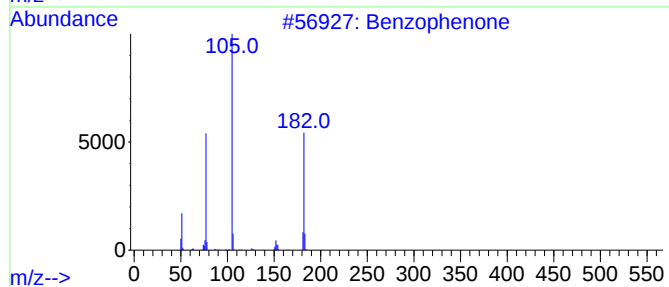
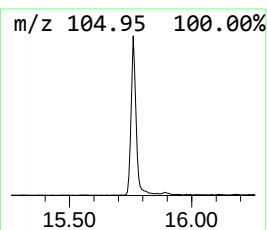
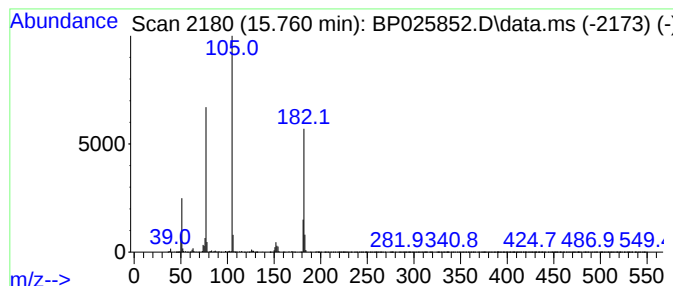
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.760	7.44 ng	654755	Acenaphthene-d10	14.372

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Azobenzene	182	C12H10N2	000103-33-3	59
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5			Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	30



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BNA_P
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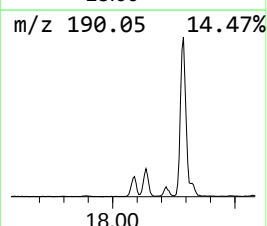
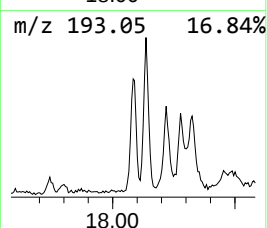
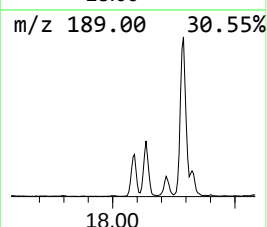
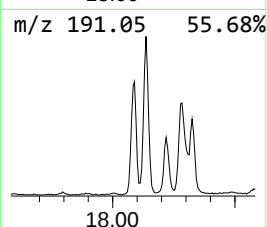
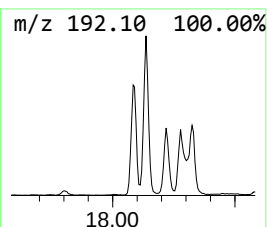
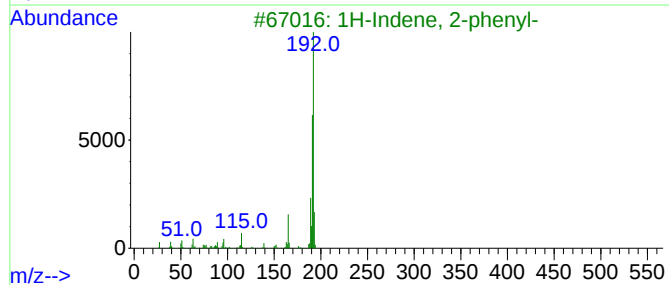
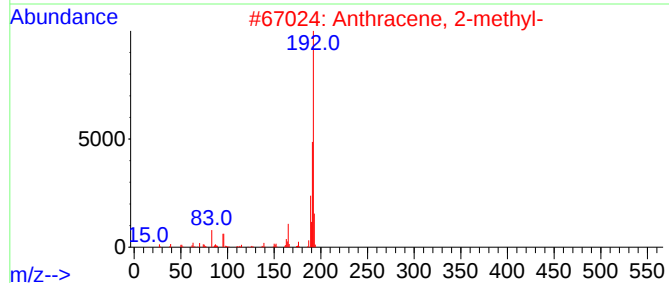
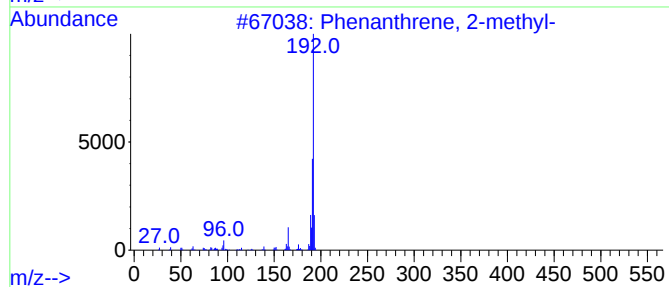
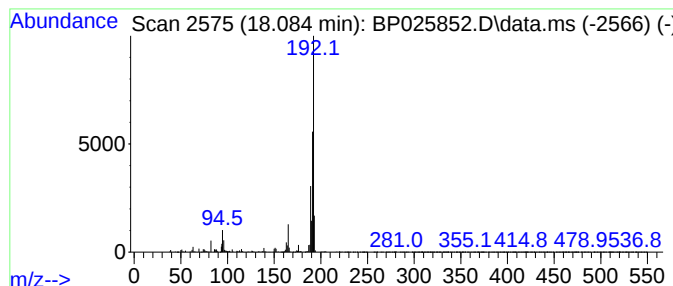
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.084	4.53 ng	518337	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91



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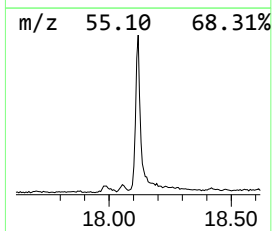
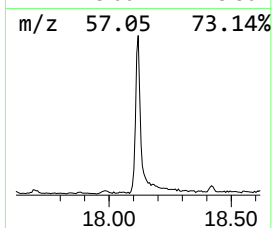
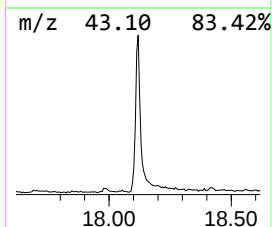
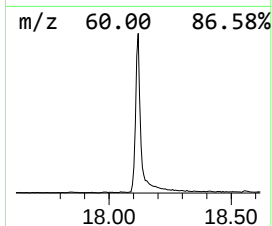
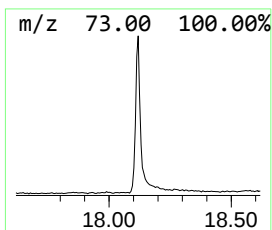
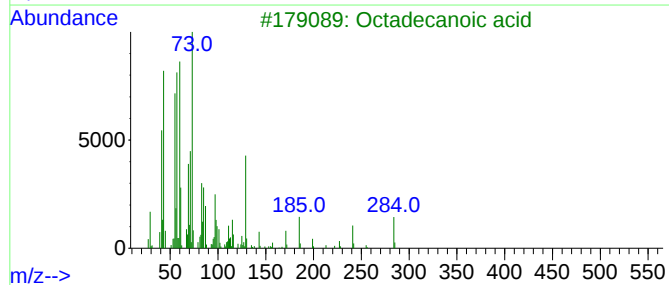
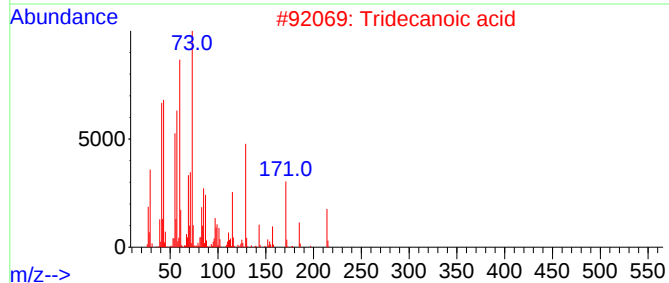
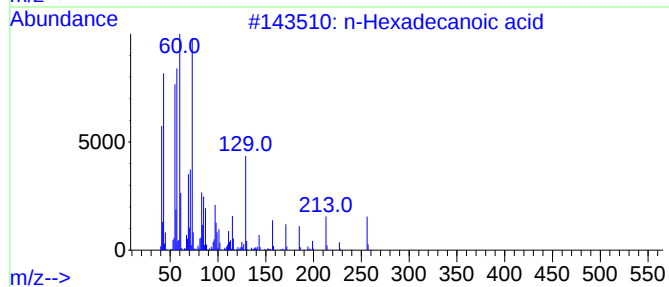
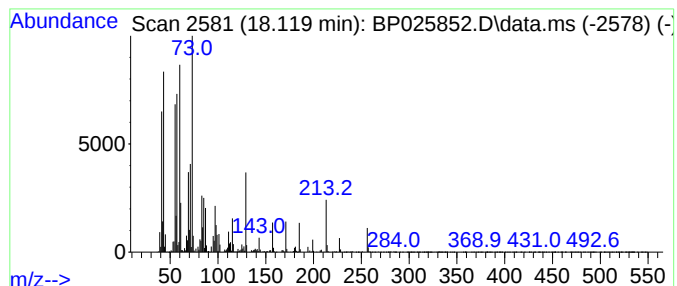
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.119	14.77 ng	1690480	Phenanthrene-d10		17.178	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	95
3	Octadecanoic acid		284	C18H36O2	000057-11-4	83
4	Pentadecanoic acid		242	C15H30O2	001002-84-2	81
5	Tetradecanoic acid		228	C14H28O2	000544-63-8	81



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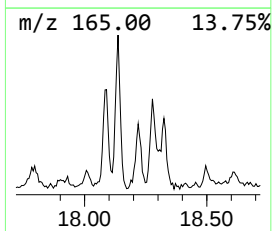
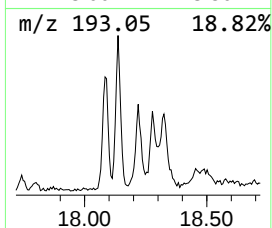
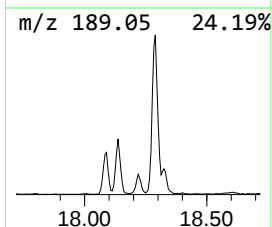
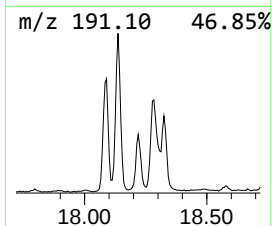
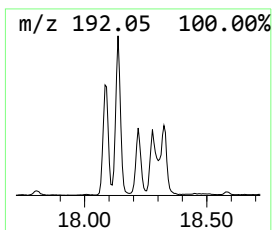
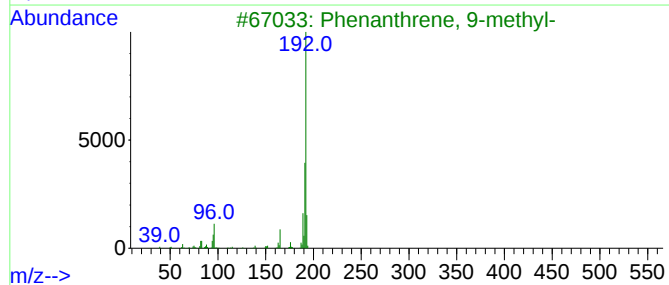
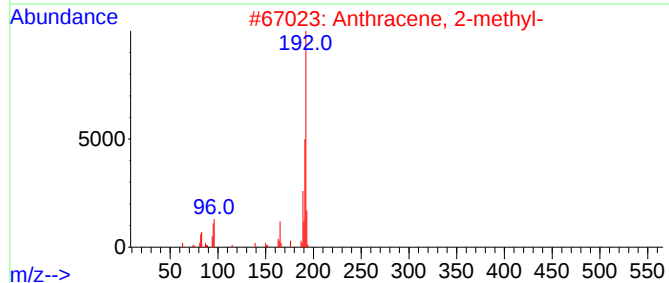
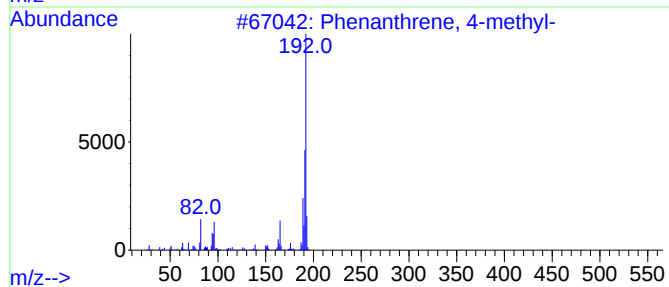
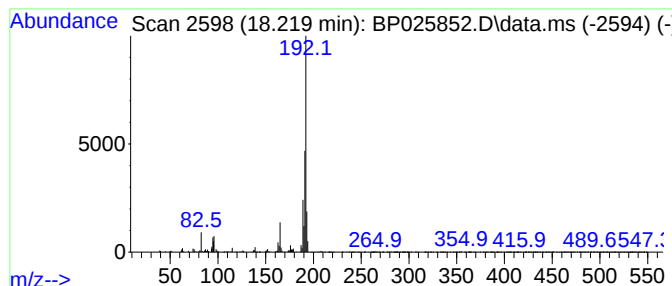
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.219	2.55 ng	291619	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



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ClientSampleId :
VNJ-255

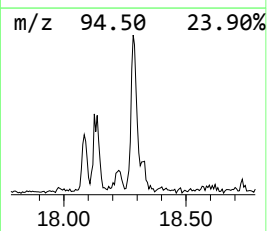
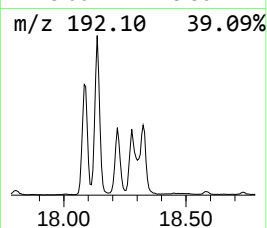
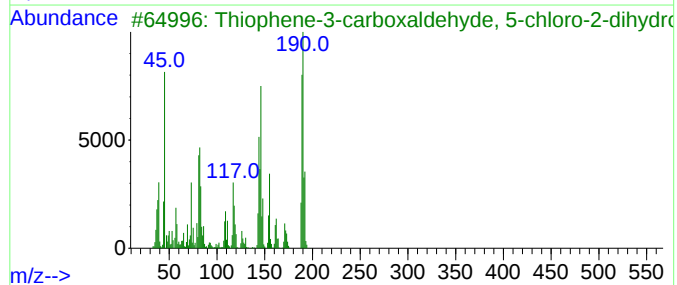
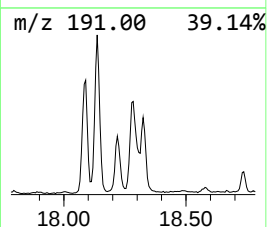
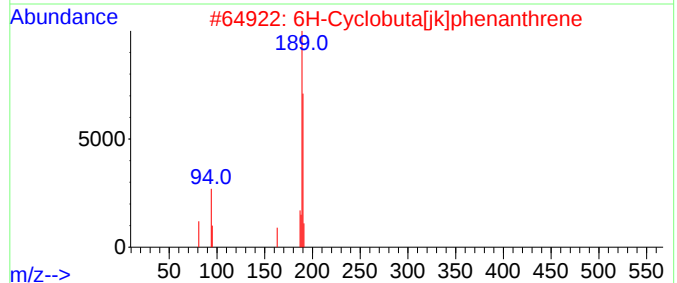
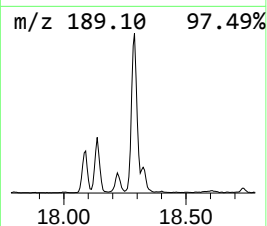
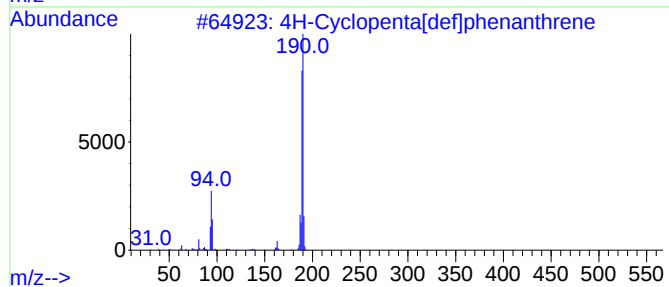
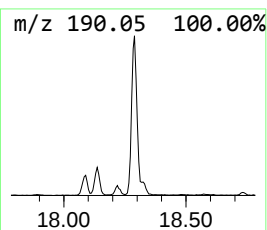
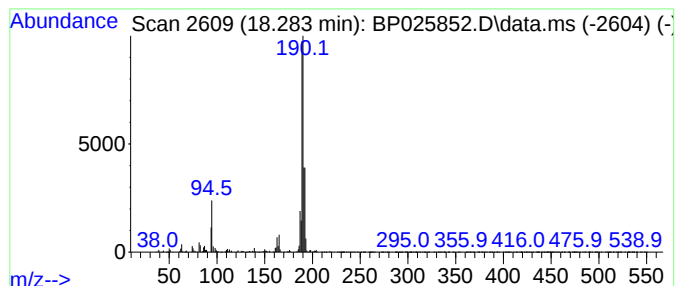
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.284	7.74 ng	886346	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5			Methyl diselenide	190	C2H6Se2	007101-31-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025852.D
Acq On : 24 Sep 2025 19:31
Operator : CG/JU
Sample : Q3159-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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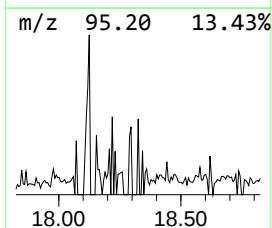
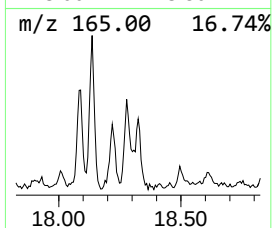
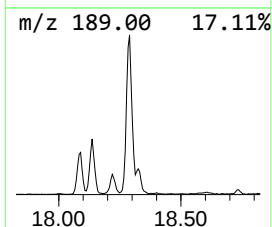
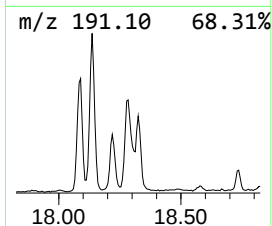
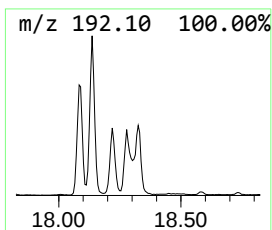
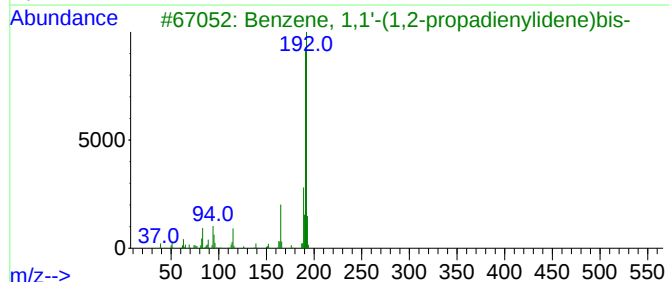
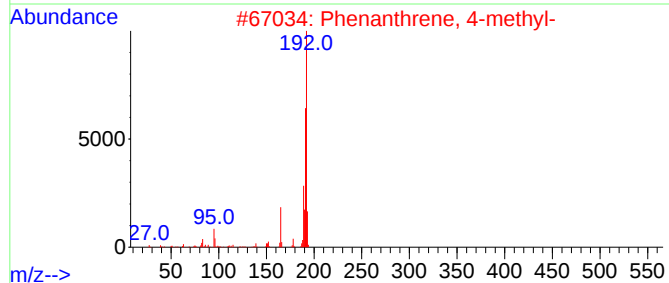
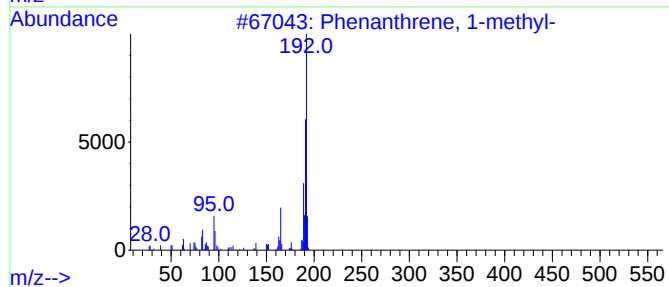
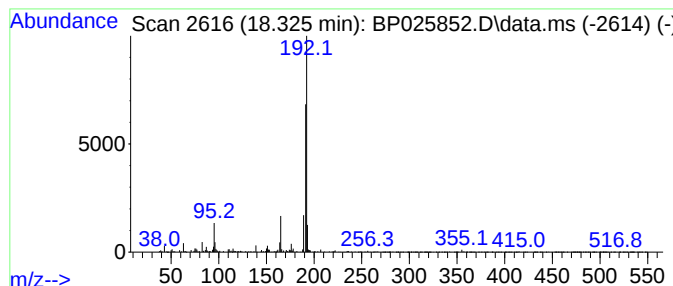
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.325	2.11 ng	240996	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
3			Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	80
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025852.D
Acq On : 24 Sep 2025 19:31
Operator : CG/JU
Sample : Q3159-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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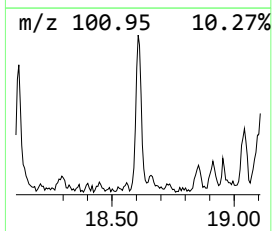
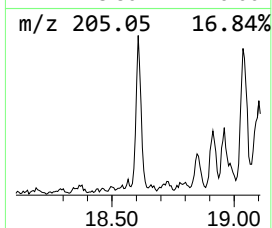
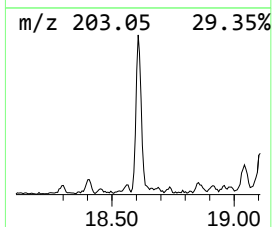
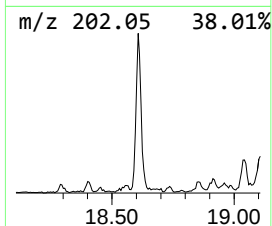
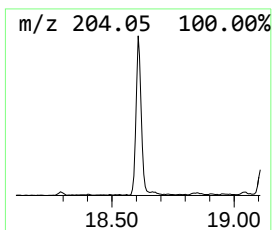
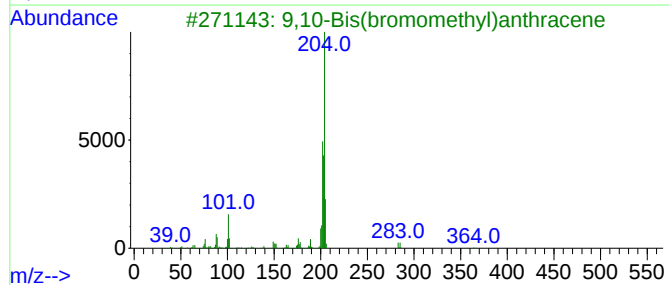
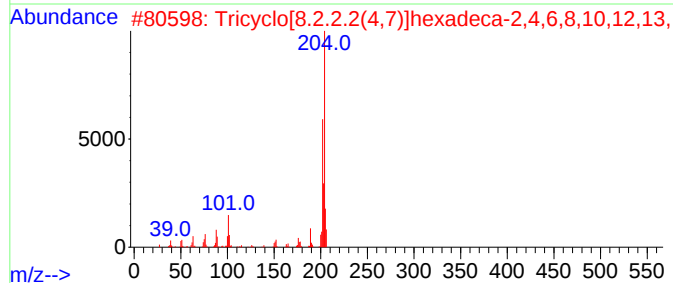
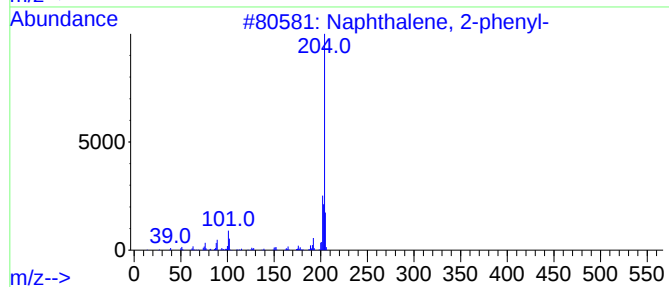
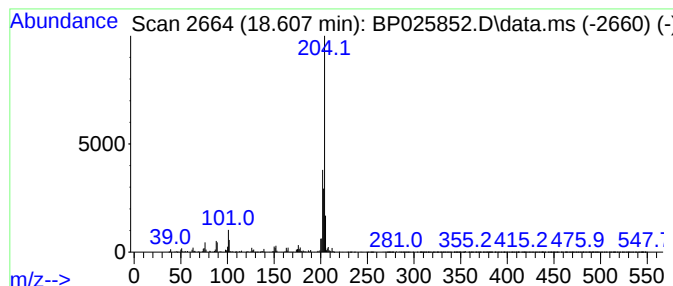
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.607	2.46 ng	281279	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4			5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
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Misc :
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ClientSampleId :
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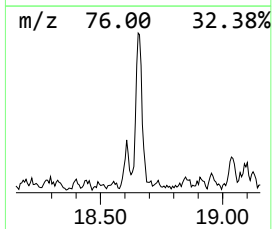
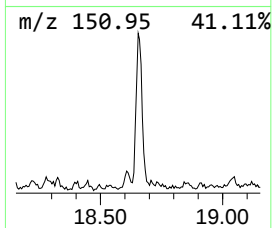
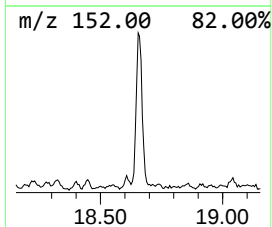
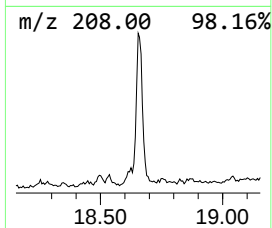
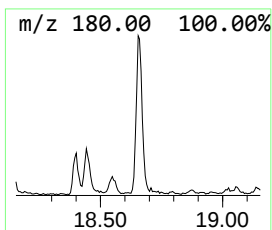
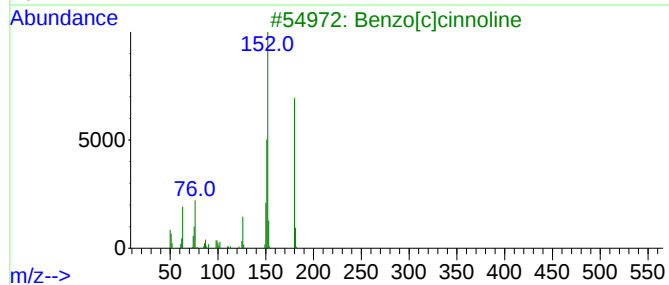
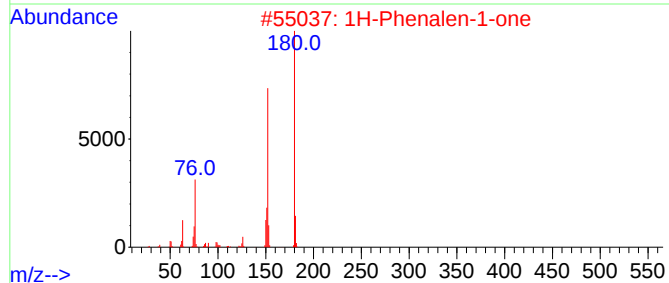
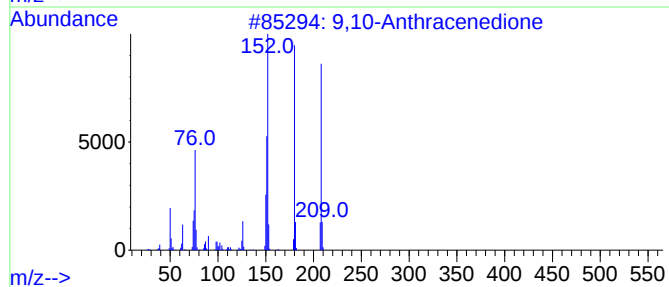
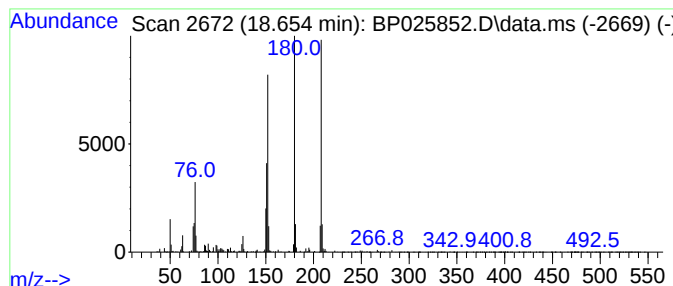
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.654	2.49 ng	284902	Phenanthrene-d10	17.178

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95		
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83		
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70		
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64		
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58		



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025852.D
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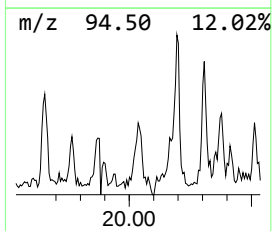
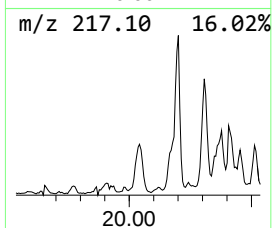
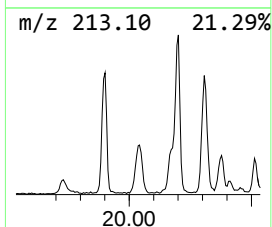
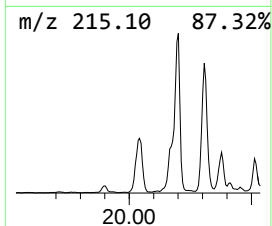
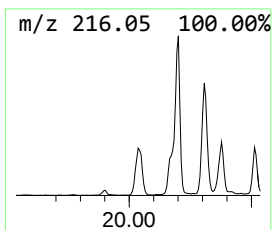
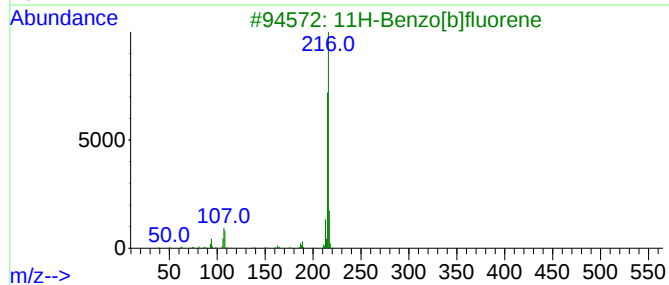
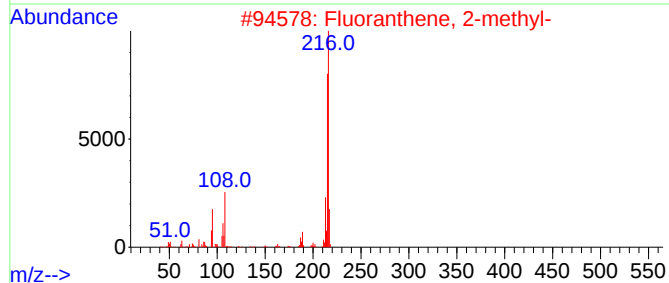
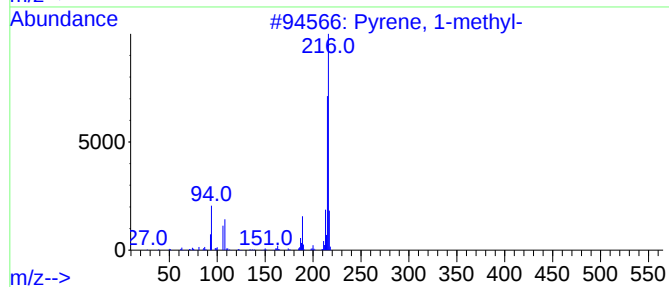
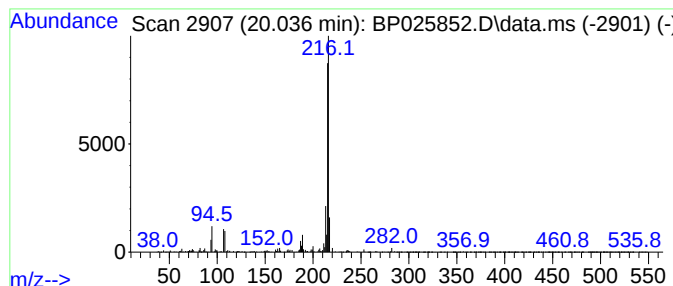
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.036	2.04 ng	430971	Chrysene-d12	21.619

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025852.D
Acq On : 24 Sep 2025 19:31
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Sample : Q3159-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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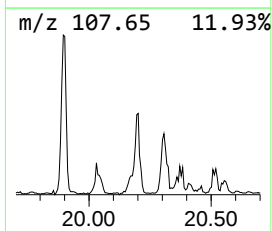
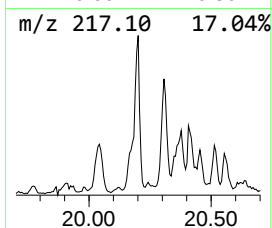
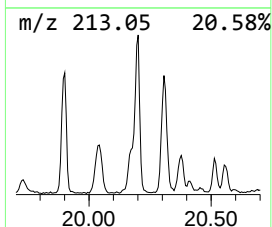
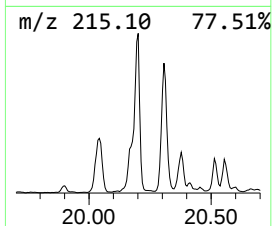
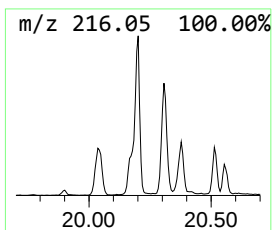
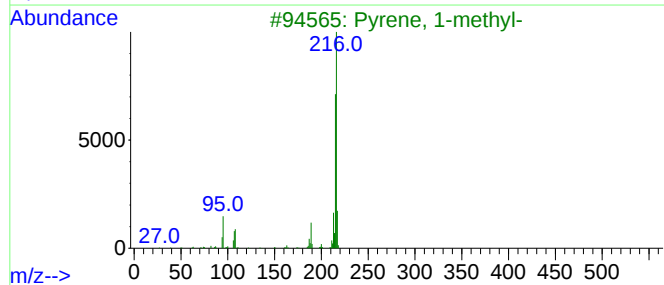
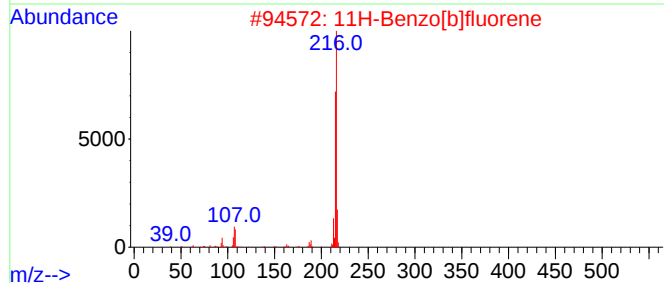
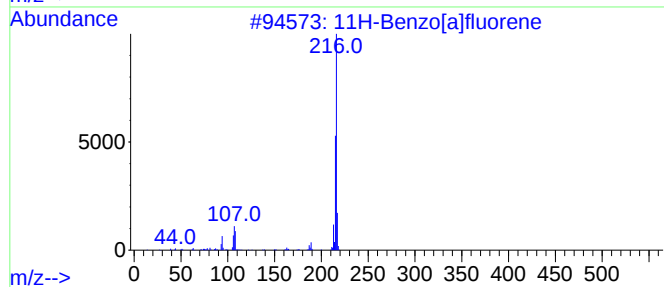
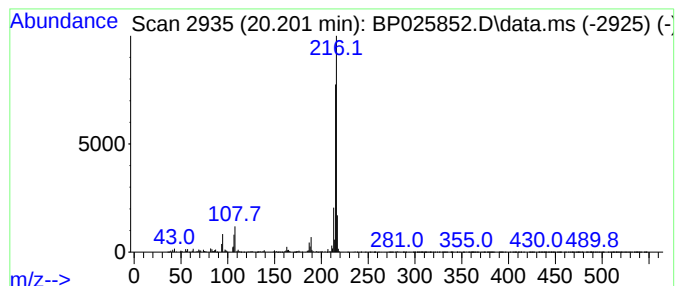
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.201	4.83 ng	1020180	Chrysene-d12	21.619

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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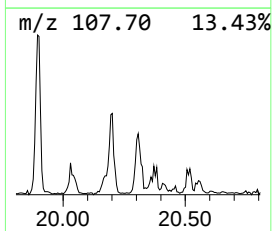
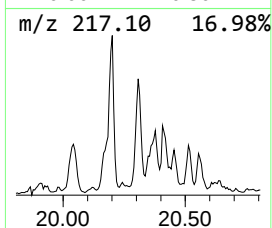
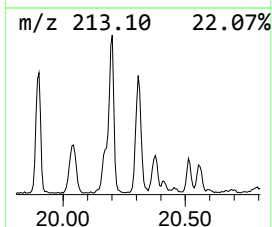
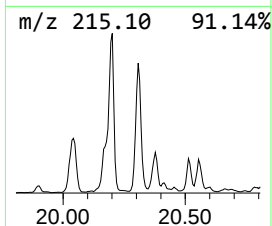
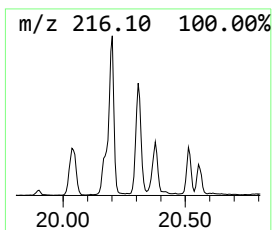
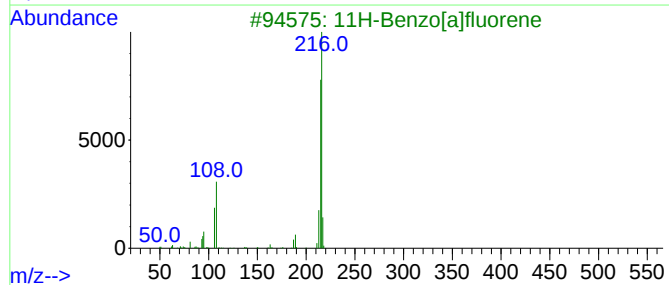
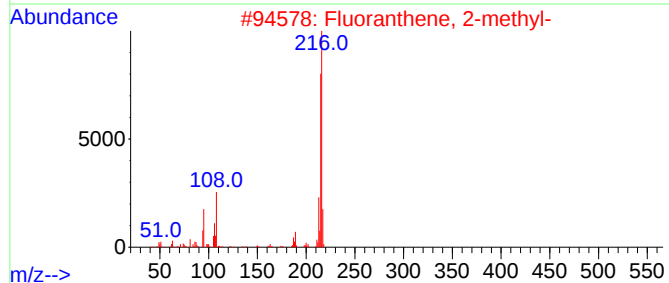
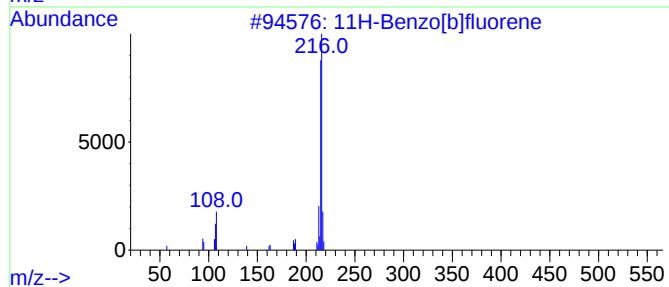
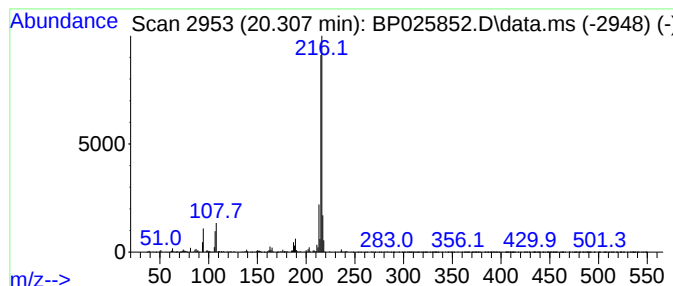
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.307	3.30 ng	696446	Chrysene-d12	21.619

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68



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Acq On : 24 Sep 2025 19:31
Operator : CG/JU
Sample : Q3159-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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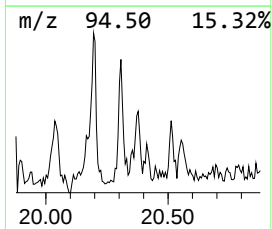
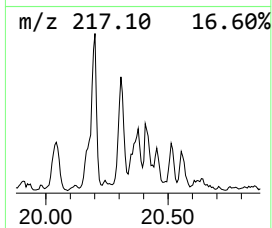
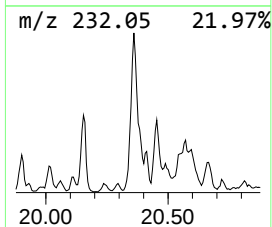
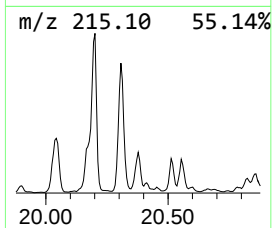
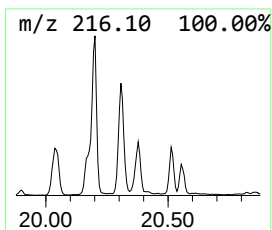
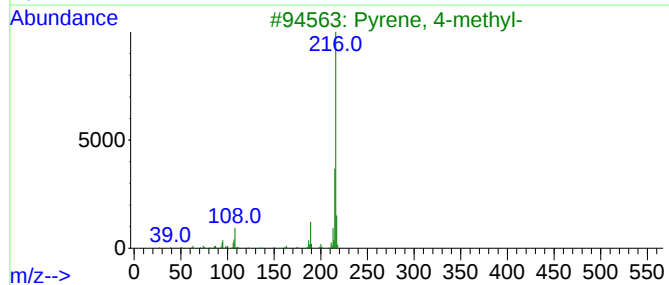
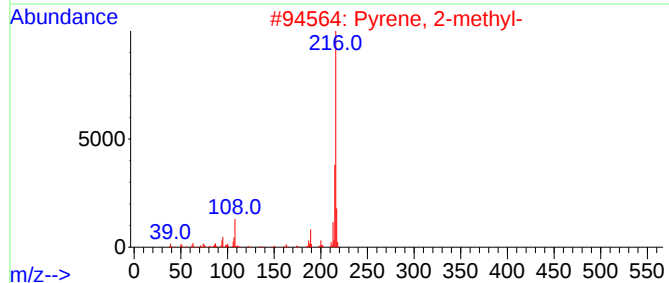
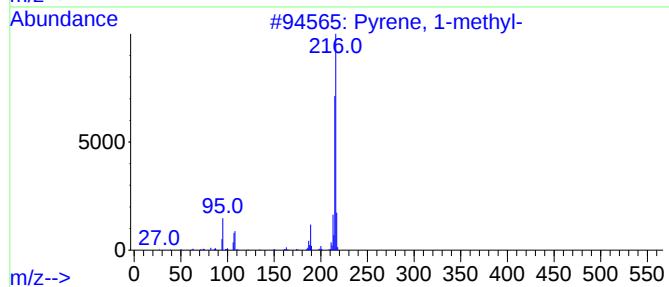
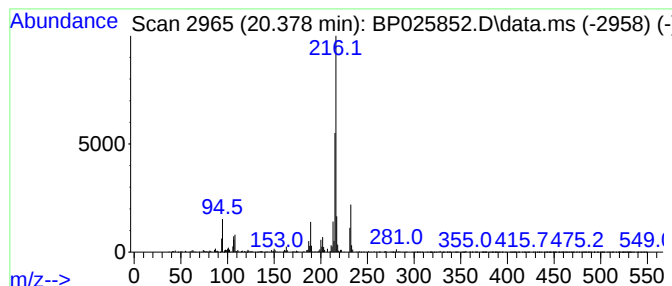
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.378	2.29 ng	483378	Chrysene-d12	21.619

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3			Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025852.D
Acq On : 24 Sep 2025 19:31
Operator : CG/JU
Sample : Q3159-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VNJ-255

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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
Benzophenone	15.760	7.4	ng	654755	3	14.372	1760930	20.0
Phenanthrene, 2...	18.084	4.5	ng	518337	4	17.178	2289300	20.0
n-Hexadecanoic ...	18.119	14.8	ng	1690480	4	17.178	2289300	20.0
Phenanthrene, 4...	18.219	2.5	ng	291619	4	17.178	2289300	20.0
4H-Cyclopenta[d...	18.284	7.7	ng	886346	4	17.178	2289300	20.0
Phenanthrene, 1...	18.325	2.1	ng	240996	4	17.178	2289300	20.0
Naphthalene, 2-...	18.607	2.5	ng	281279	4	17.178	2289300	20.0
9,10-Anthracene...	18.654	2.5	ng	284902	4	17.178	2289300	20.0
Pyrene, 1-methyl-	20.036	2.0	ng	430971	5	21.619	4225260	20.0
11H-Benzo[a]flu...	20.201	4.8	ng	1020180	5	21.619	4225260	20.0
11H-Benzo[b]flu...	20.307	3.3	ng	696446	5	21.619	4225260	20.0
Pyrene, 2-methyl-	20.378	2.3	ng	483378	5	21.619	4225260	20.0