

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142618.D
 Acq On : 04 Jun 2025 20:47
 Operator : RC/JU
 Sample : Q2173-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-400-CF-402B-COMP-23

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_F\Methods\8270-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142618.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.099	489	494	501	rVB	23515	32315	1.40%	0.160%
2	5.504	558	563	582	rVB	227438	301447	13.11%	1.496%
3	6.516	730	735	752	rBV	204803	276288	12.01%	1.371%
4	6.893	794	799	804	rBV	492681	607142	26.40%	3.014%
5	7.451	889	894	905	rBV	132838	170624	7.42%	0.847%
6	8.175	1012	1017	1027	rBV	498503	664933	28.91%	3.300%
7	9.251	1195	1200	1210	rBV	231555	286000	12.43%	1.420%
8	9.792	1288	1292	1299	rBV	99569	127117	5.53%	0.631%
9	9.934	1309	1316	1320	rBV	453070	563730	24.51%	2.798%
10	10.481	1406	1409	1415	rVB	21276	31425	1.37%	0.156%
11	10.645	1432	1437	1444	rVB2	29261	46640	2.03%	0.232%
12	10.722	1444	1450	1455	rBV	108082	144649	6.29%	0.718%
13	10.845	1466	1471	1477	rBV2	18151	27256	1.18%	0.135%
14	11.181	1525	1528	1532	rVV2	15728	24978	1.09%	0.124%
15	11.228	1532	1536	1540	rVV	16101	24078	1.05%	0.120%
16	11.275	1540	1544	1548	rVV2	16321	29877	1.30%	0.148%
17	11.316	1548	1551	1556	rVB	19022	26145	1.14%	0.130%
18	11.422	1564	1569	1571	rBV	422020	574539	24.98%	2.852%
19	11.445	1571	1573	1578	rVV	363587	396953	17.26%	1.970%
20	11.498	1578	1582	1585	rVV	98398	131662	5.72%	0.654%
21	11.651	1602	1608	1615	rBV3	30662	66705	2.90%	0.331%
22	11.716	1615	1619	1622	rVV2	18342	28333	1.23%	0.141%
23	11.922	1649	1654	1656	rBV	76091	106865	4.65%	0.530%
24	11.951	1656	1659	1663	rVV	110627	143546	6.24%	0.713%
25	11.998	1663	1667	1669	rVV	38385	46831	2.04%	0.232%
26	12.033	1669	1673	1681	rVB	136968	260001	11.30%	1.291%
27	12.116	1682	1687	1691	rBV5	12758	28527	1.24%	0.142%
28	12.216	1700	1704	1707	rBV	56905	86938	3.78%	0.432%
29	12.239	1707	1708	1715	rVB	53719	53731	2.34%	0.267%
30	12.369	1724	1730	1732	rBV3	26175	41922	1.82%	0.208%
31	12.475	1743	1748	1751	rBV	81693	123538	5.37%	0.613%
32	12.510	1751	1754	1759	rVV2	49211	94699	4.12%	0.470%
33	12.557	1759	1762	1768	rVB	65715	92882	4.04%	0.461%
34	12.639	1770	1776	1780	rBV	1204520	1538812	66.90%	7.638%
35	12.698	1780	1786	1788	rBV2	20749	38890	1.69%	0.193%
36	12.727	1788	1791	1794	rVB	34479	38681	1.68%	0.192%

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37	12.792	1799	1802	1808	rVB3	35612	58720	2.55%	0.291%
38	12.869	1808	1815	1820	rBV	1126069	1696771	73.77%	8.422%
39	12.916	1820	1823	1828	rVB2	56644	78809	3.43%	0.391%
40	13.004	1830	1838	1845	rVB3	266083	489095	21.26%	2.428%
41	13.080	1846	1851	1859	rBV4	118135	244925	10.65%	1.216%
42	13.192	1862	1870	1874	rVB	173170	344701	14.99%	1.711%
43	13.257	1878	1881	1884	rBV	88906	107074	4.66%	0.531%
44	13.298	1884	1888	1891	rBV2	118345	148602	6.46%	0.738%
45	13.392	1900	1904	1906	rBV	66795	78588	3.42%	0.390%
46	13.422	1906	1909	1916	rVB2	73332	91857	3.99%	0.456%
47	13.598	1932	1939	1945	rBV6	40090	131173	5.70%	0.651%
48	13.698	1952	1956	1961	rVB	132162	185766	8.08%	0.922%
49	13.810	1971	1975	1978	rBV2	146122	232728	10.12%	1.155%
50	13.839	1978	1980	1982	rVV	48030	53582	2.33%	0.266%
51	13.910	1988	1992	1997	rVB2	148888	212235	9.23%	1.053%
52	14.063	2010	2018	2021	rBV2	1241726	2300173	100.00%	11.417%
53	14.092	2021	2023	2029	rVB	804058	926303	40.27%	4.598%
54	14.169	2033	2036	2040	rVV	82688	107434	4.67%	0.533%
55	14.451	2080	2084	2087	rVV	145333	182478	7.93%	0.906%
56	14.486	2087	2090	2093	rVB2	90899	105186	4.57%	0.522%
57	14.574	2103	2105	2108	rBV	58253	78341	3.41%	0.389%
58	15.121	2192	2198	2207	rBV	797128	1882380	81.84%	9.343%
59	15.227	2213	2216	2222	rVB	131400	183259	7.97%	0.910%
60	15.433	2246	2251	2257	rVB	392726	620525	26.98%	3.080%
61	15.498	2257	2262	2267	rVB	552211	829303	36.05%	4.116%
62	15.563	2268	2273	2276	rBV	366215	605812	26.34%	3.007%
63	17.068	2522	2529	2538	rVB2	220933	487220	21.18%	2.418%
64	17.521	2599	2606	2619	rVB	175517	405023	17.61%	2.010%

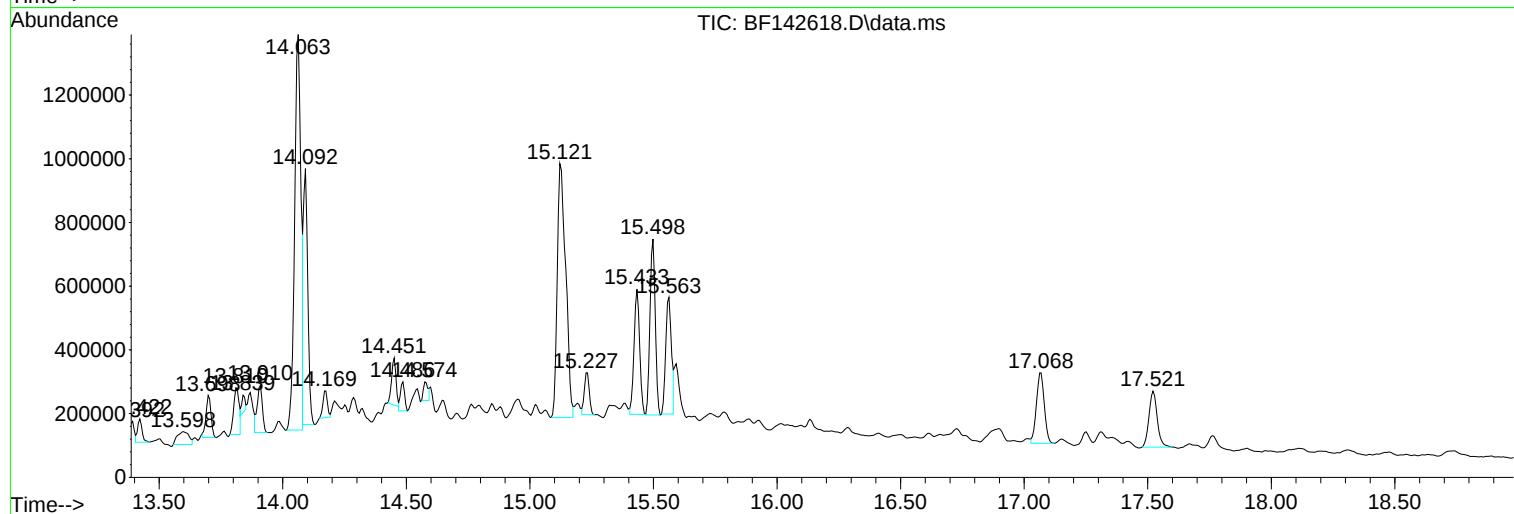
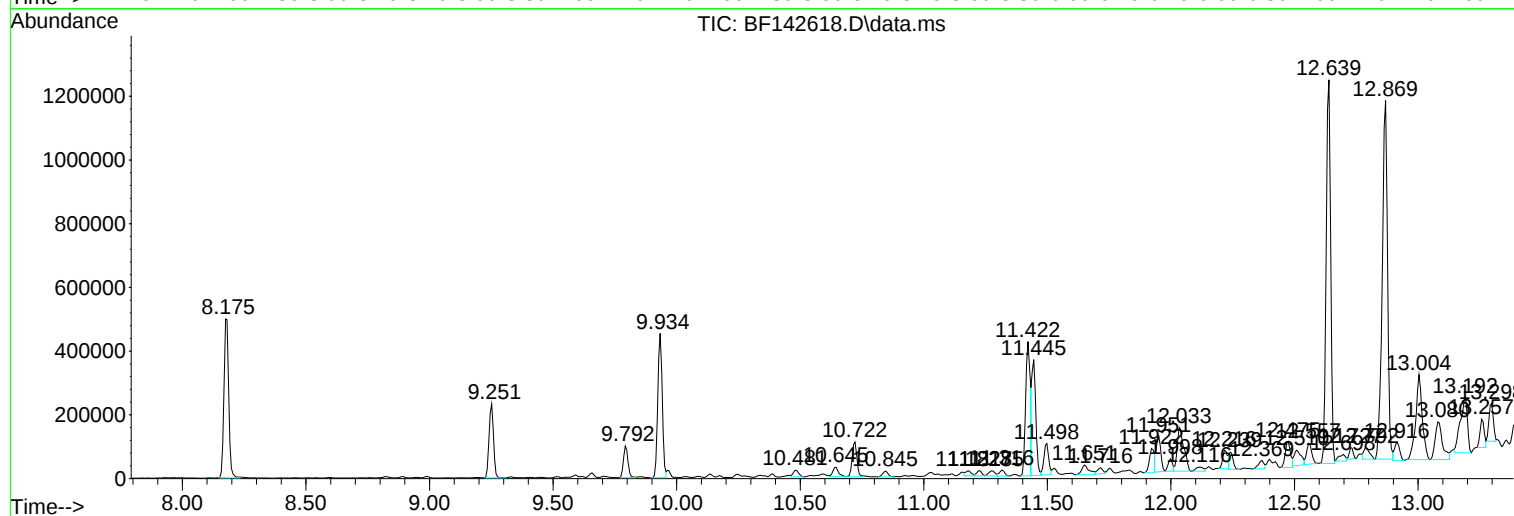
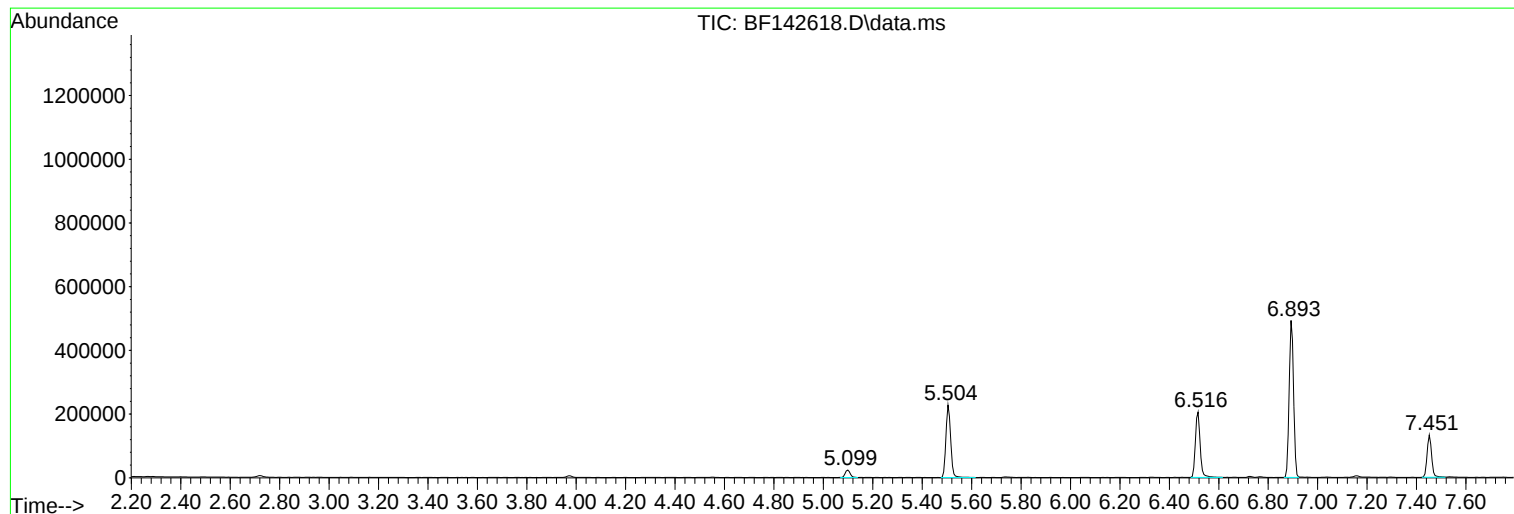
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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OR-400-CF-402B-COMP-23

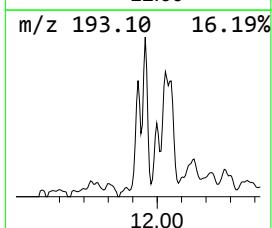
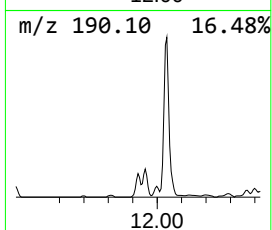
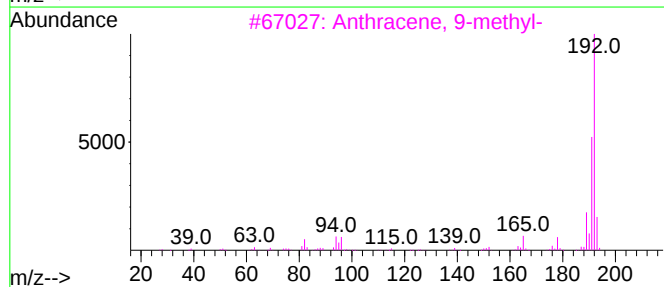
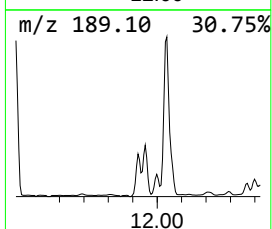
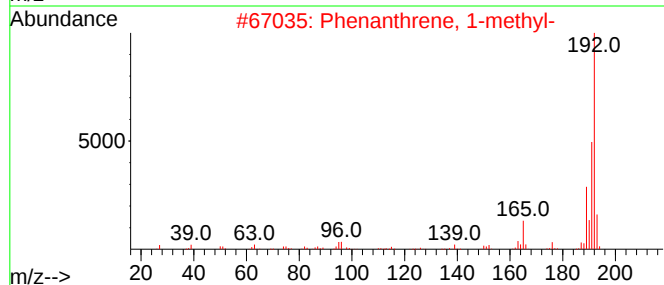
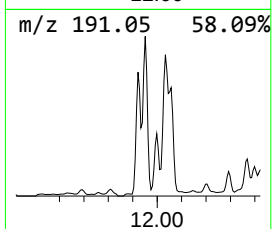
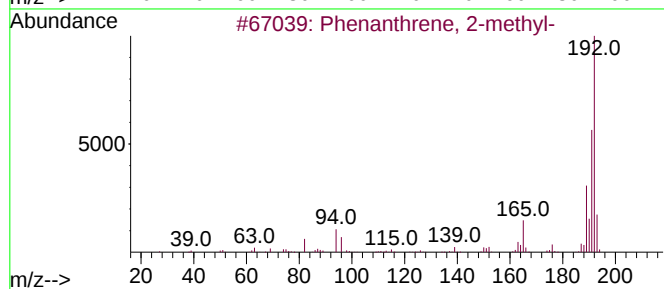
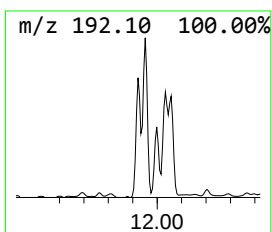
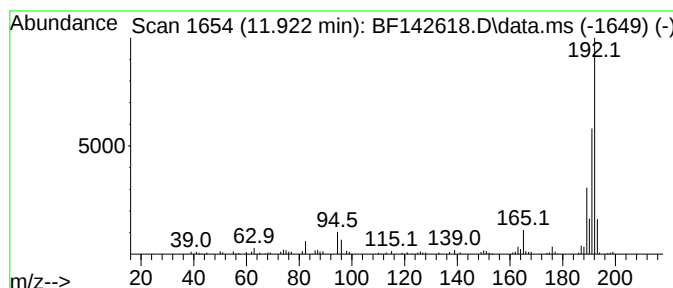
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.72 ng	106865	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	89



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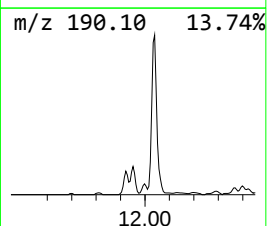
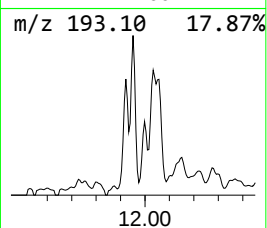
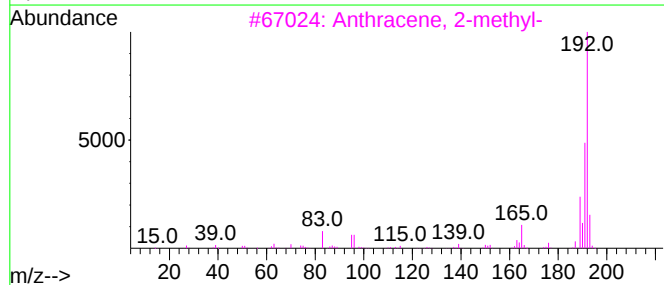
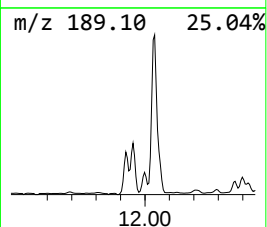
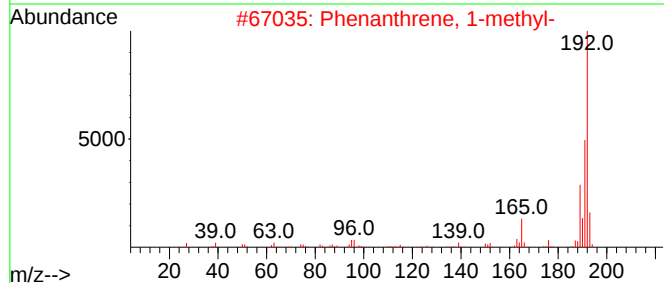
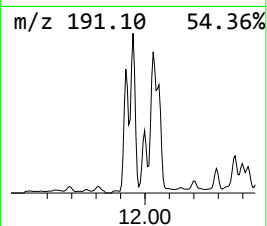
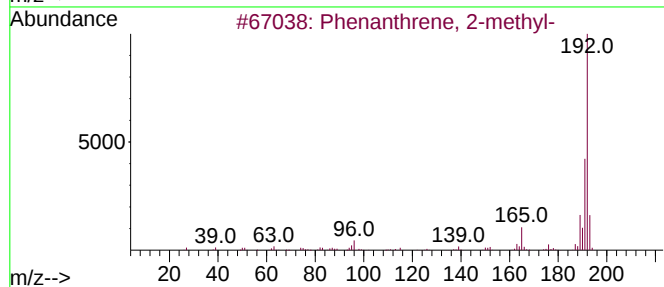
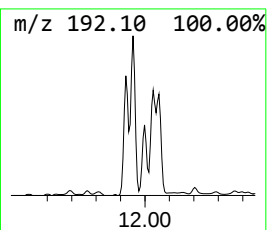
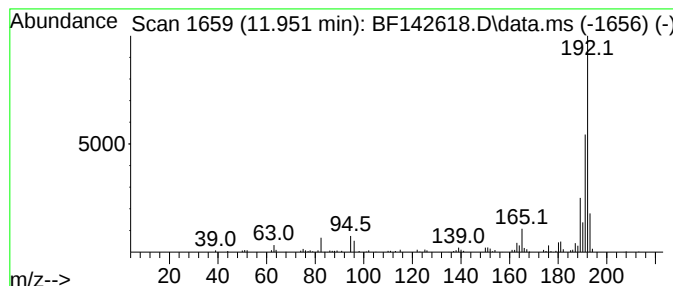
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	5.00 ng	143546	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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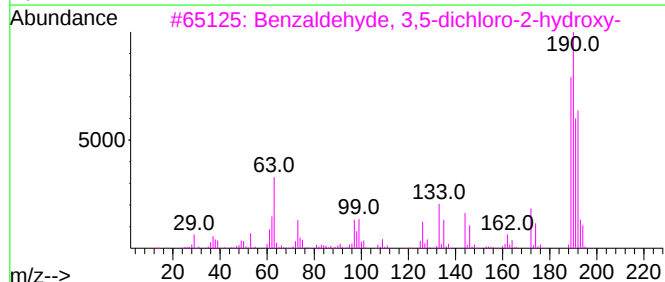
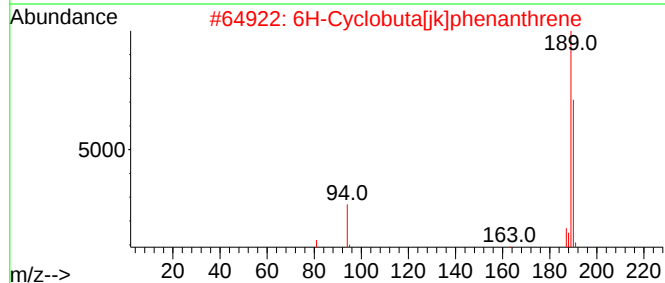
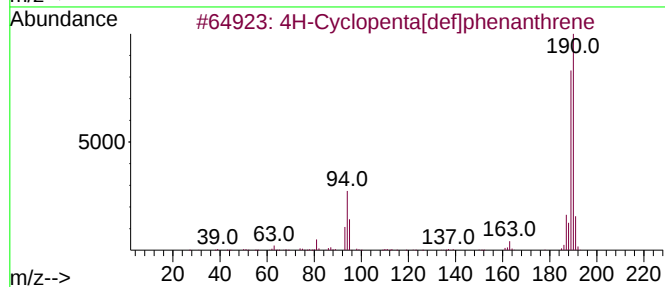
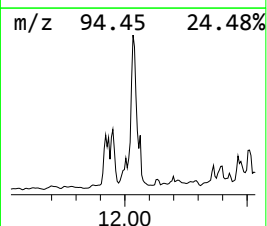
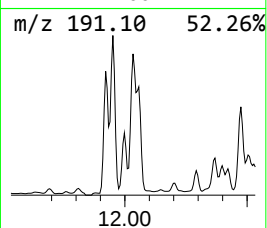
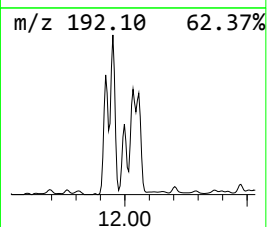
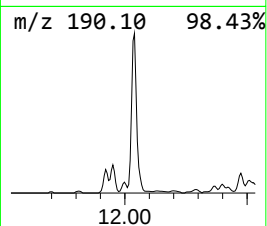
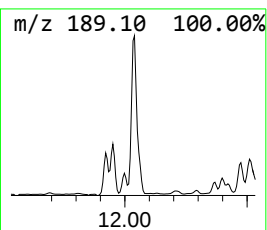
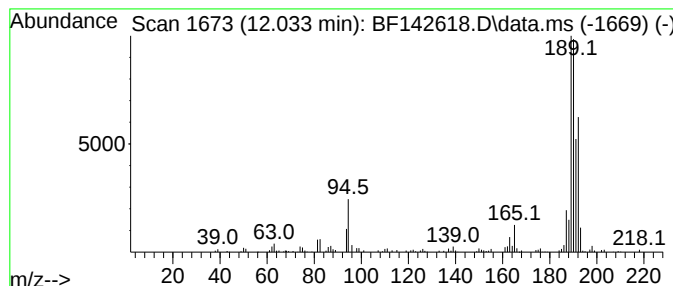
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	9.05 ng	260001	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35



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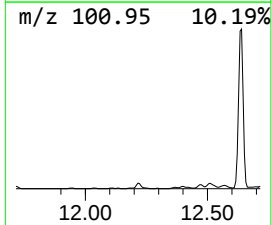
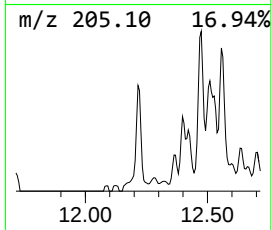
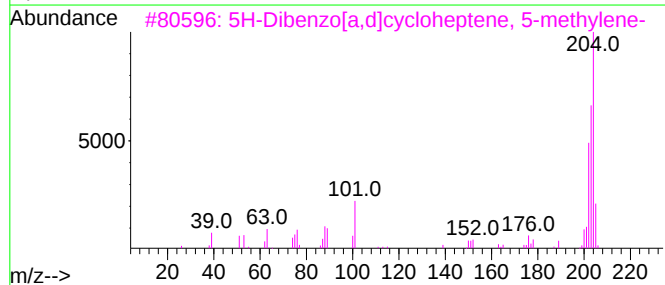
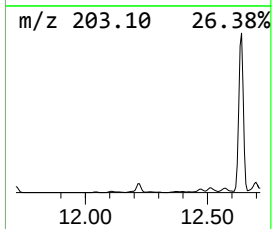
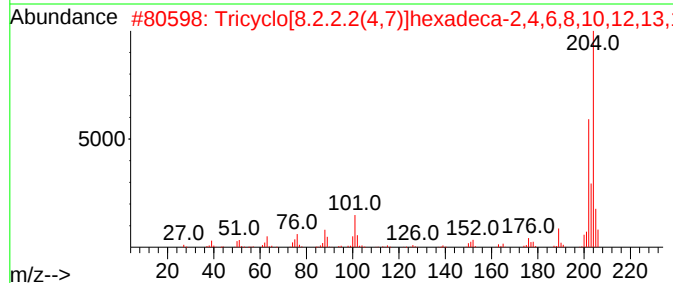
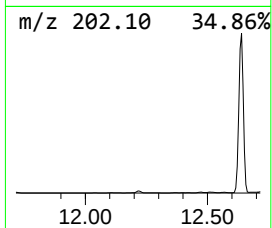
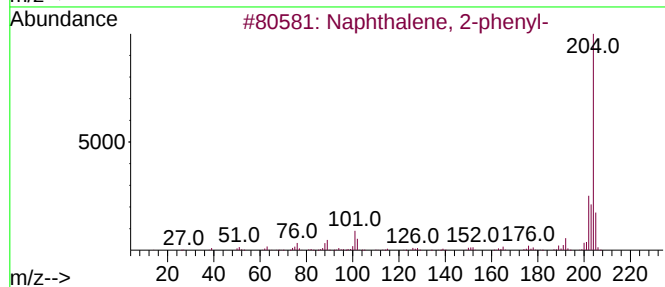
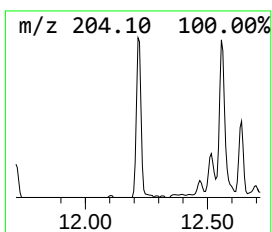
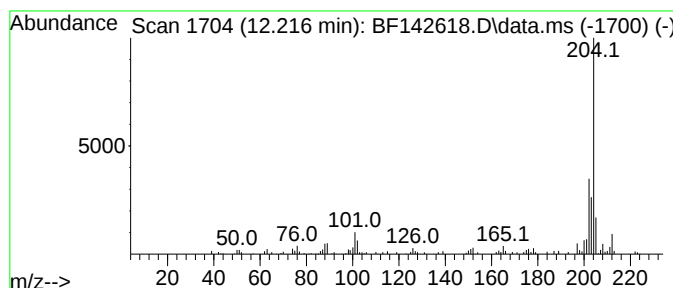
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TIC Library : C:\Database\NIST20.L
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Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	3.03 ng	86938	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3			5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53
4			Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
Acq On : 04 Jun 2025 20:47
Operator : RC/JU
Sample : Q2173-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-400-CF-402B-COMP-23

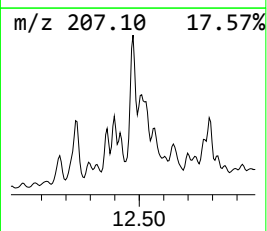
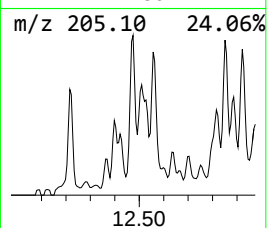
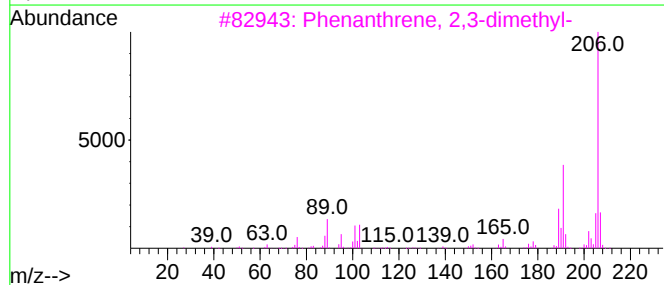
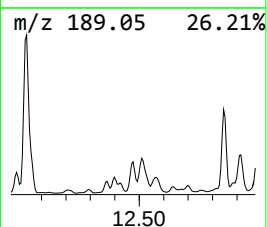
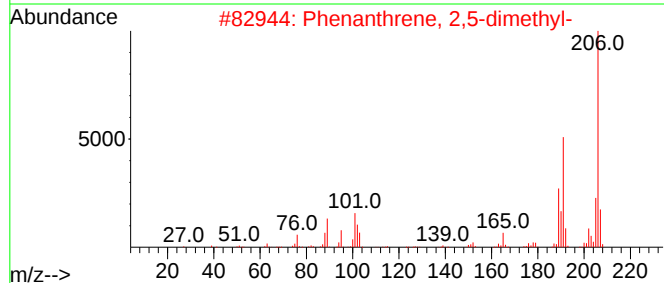
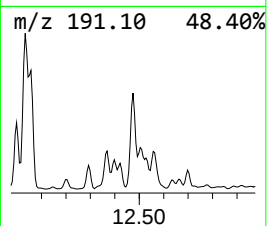
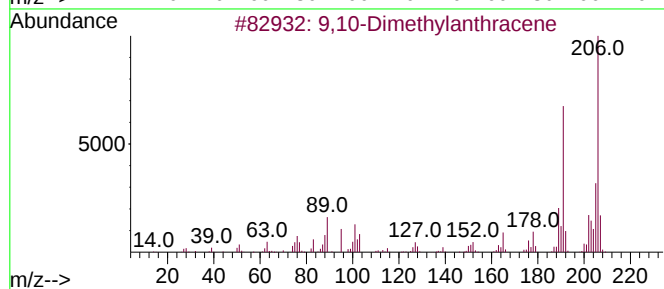
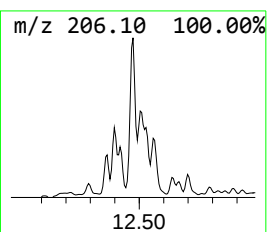
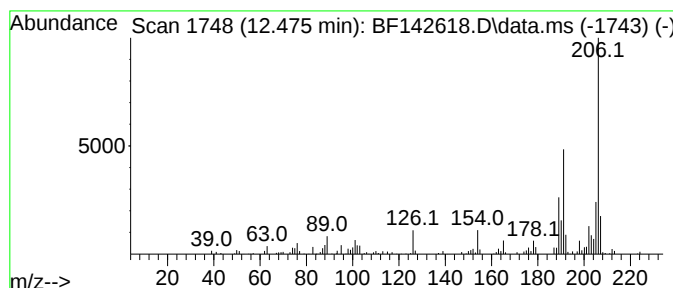
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,10-Dimethylantracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	4.30 ng	123538	Phenanthrene-d10	11.422

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
Acq On : 04 Jun 2025 20:47
Operator : RC/JU
Sample : Q2173-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

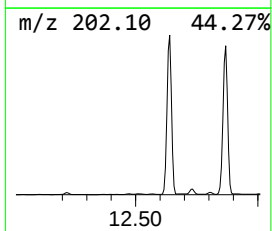
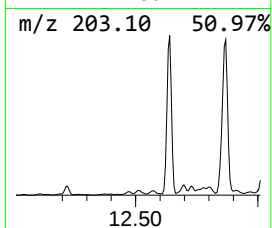
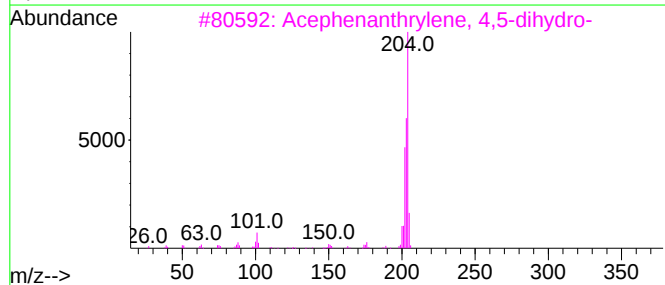
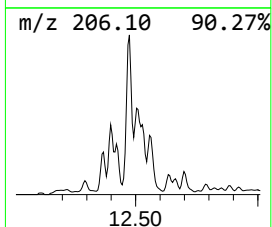
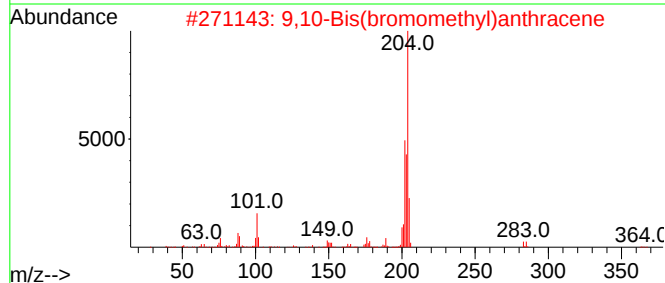
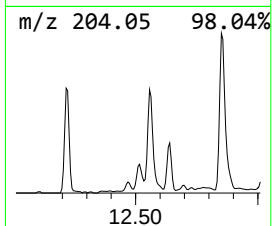
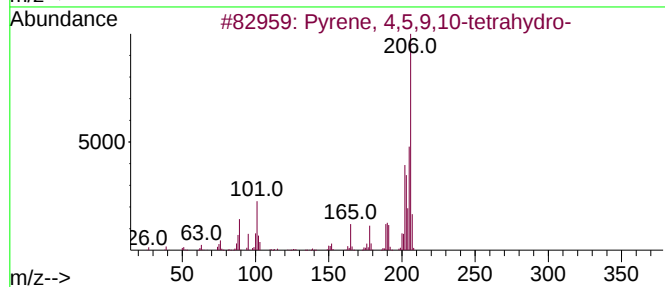
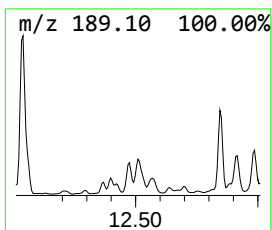
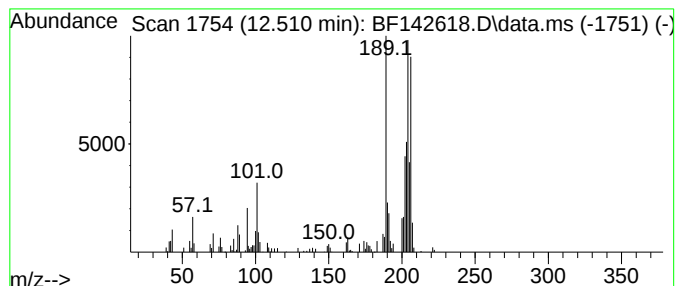
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown12.510 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.510	3.30 ng	94699	Phenanthrene-d10		11.422	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-		206	C16H14	000781-17-9	42
2	9,10-Bis(bromomethyl)anthracene		362	C16H12Br2	034373-96-1	38
3	Acephenanthrylene, 4,5-dihydro-		204	C16H12	006232-48-0	38
4	Naphthalene, 1-phenyl-		204	C16H12	000605-02-7	38
5	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
Acq On : 04 Jun 2025 20:47
Operator : RC/JU
Sample : Q2173-01 5X
Misc :
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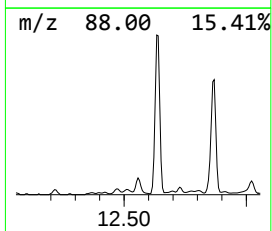
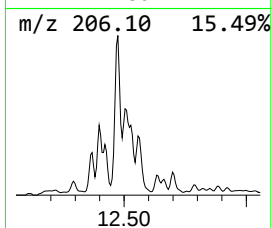
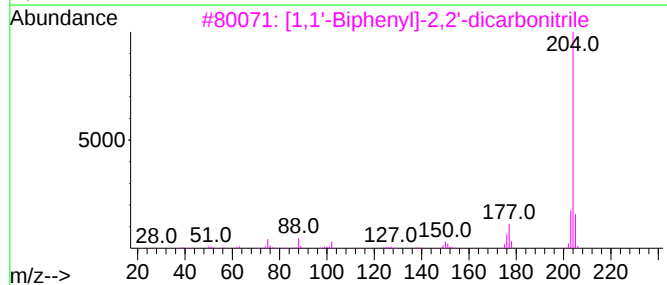
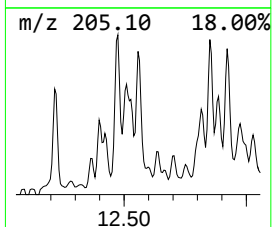
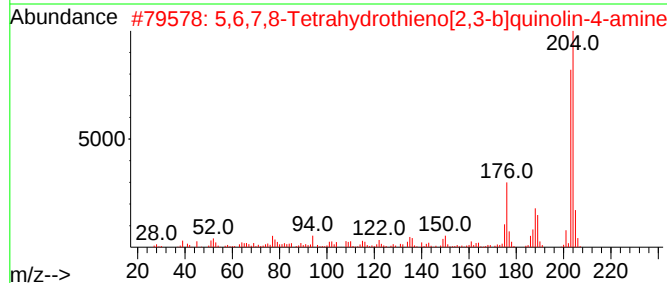
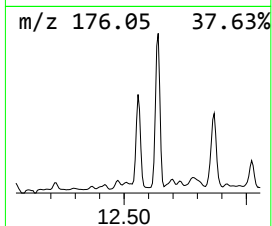
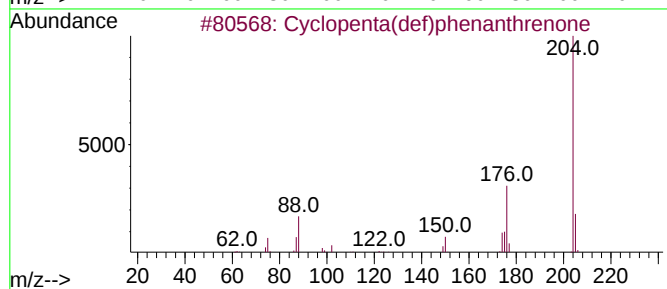
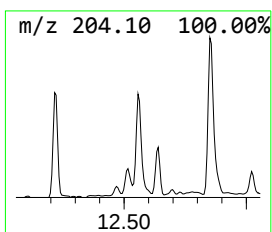
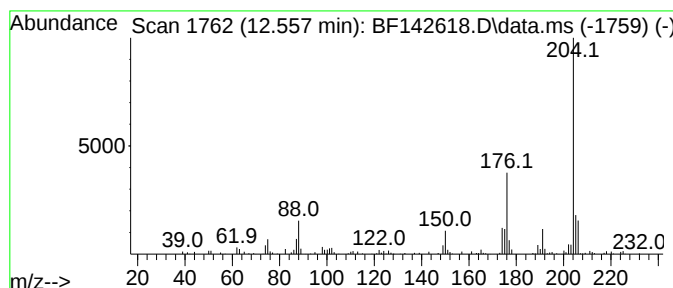
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OR-400-CF-402B-COMP-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.557	3.23 ng	92882	Phenanthrene-d10	11.422	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
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Operator : RC/JU
Sample : Q2173-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

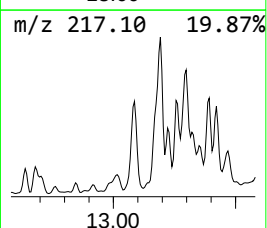
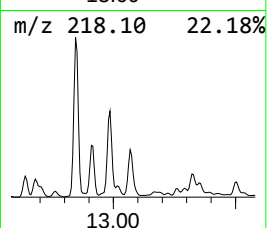
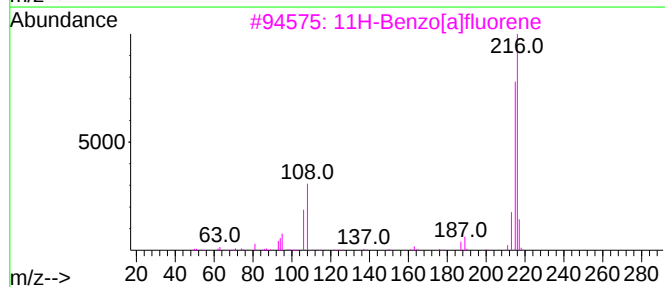
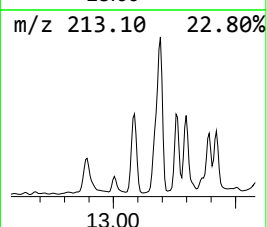
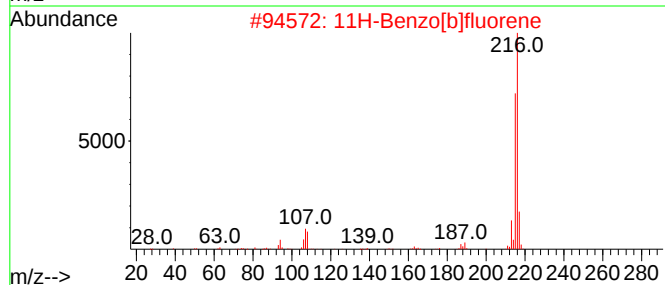
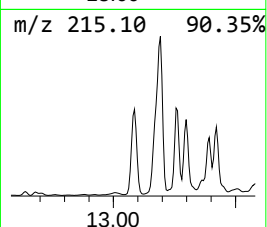
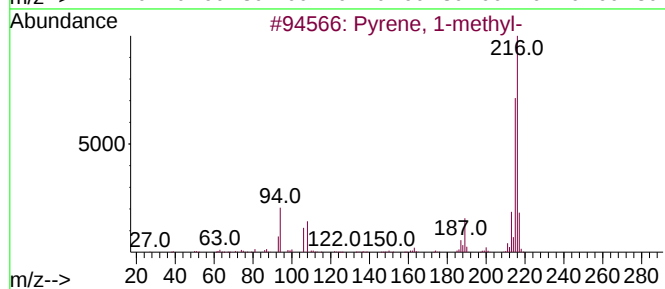
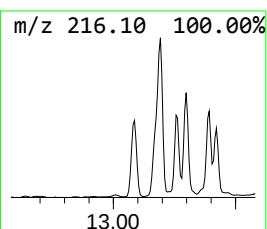
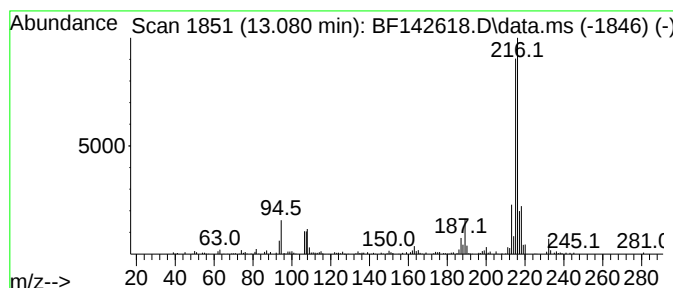
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.080	2.13 ng	244925	Chrysene-d12	14.069	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
Acq On : 04 Jun 2025 20:47
Operator : RC/JU
Sample : Q2173-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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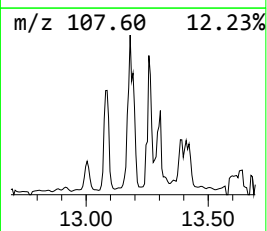
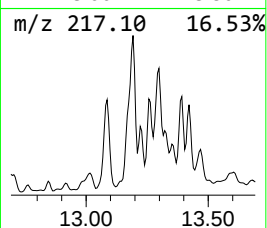
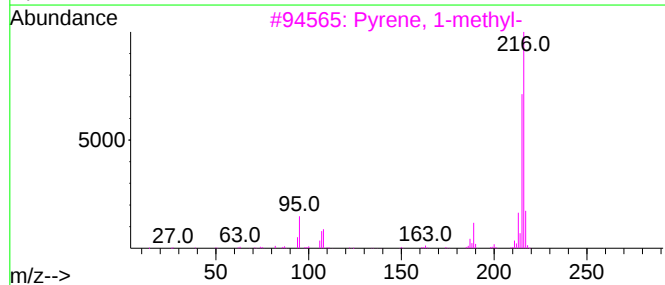
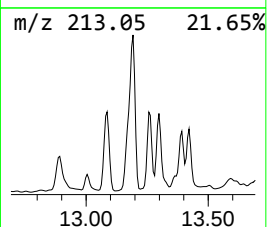
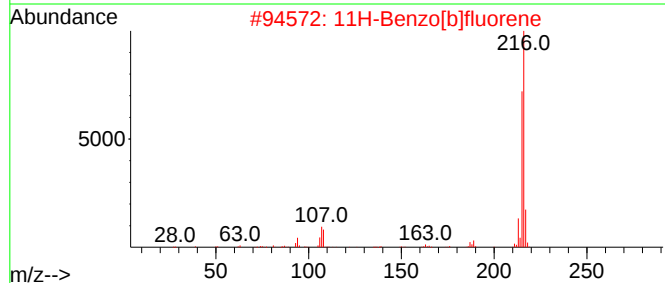
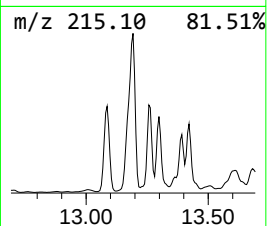
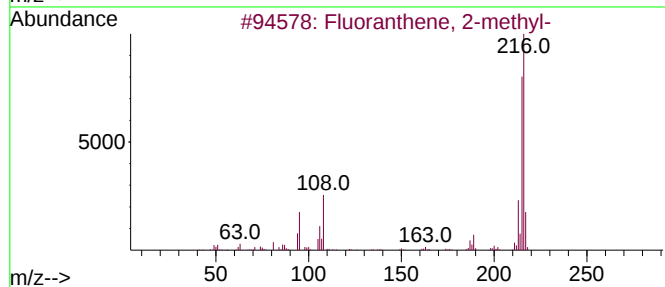
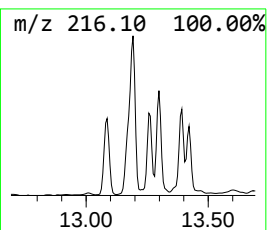
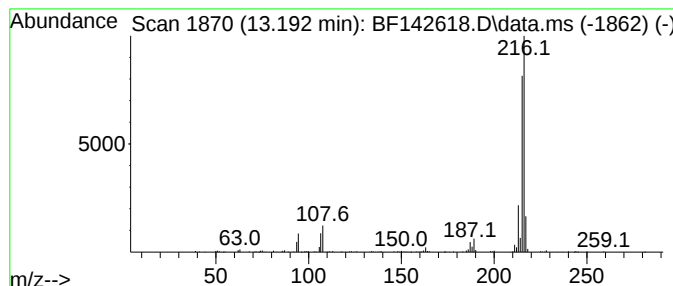
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.00 ng	344701	Chrysene-d12	14.069

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
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Sample : Q2173-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

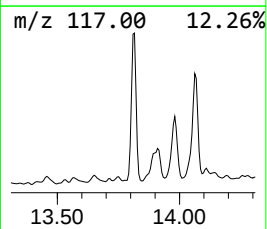
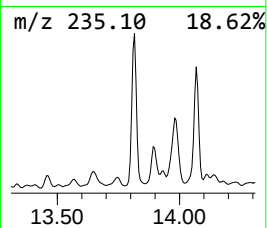
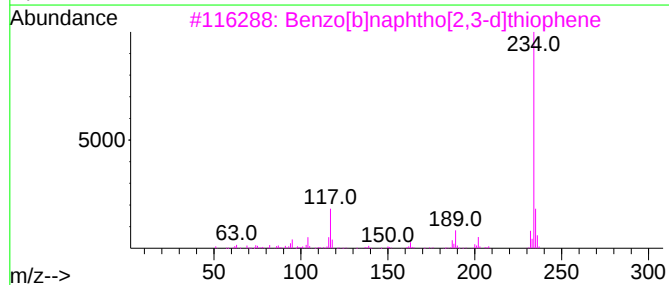
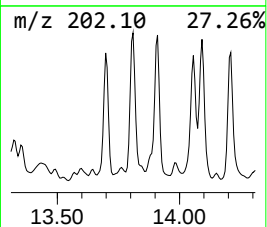
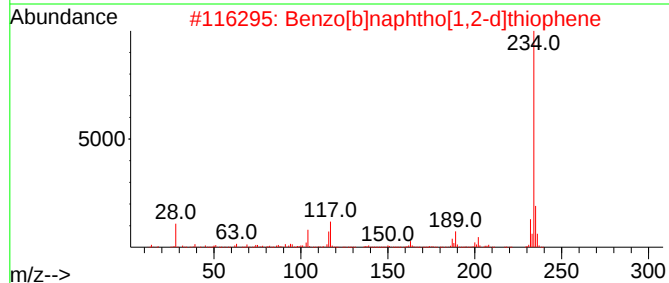
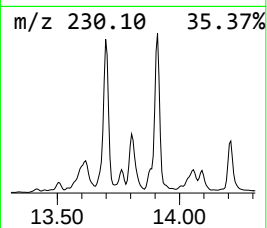
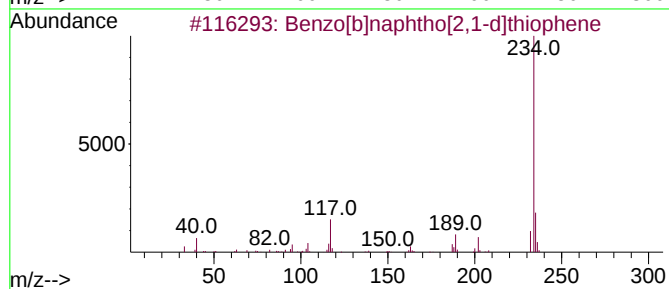
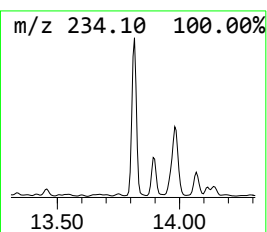
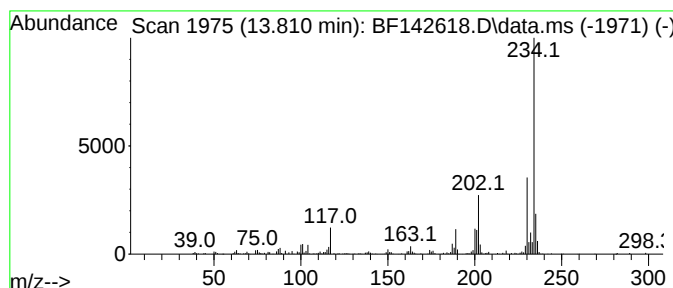
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.810	2.02 ng	232728	Chrysene-d12			14.069
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene		234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[1,2-d]thiophene		234	C16H10S	000205-43-6	83
3	Benzo[b]naphtho[2,3-d]thiophene		234	C16H10S	000243-46-9	62
4	2-Amino-6-t-butyl-3-cyano-4,5,6,...		234	C13H18N2S	042159-76-2	46
5	Quinoxalino[2,3-b]quinoxaline, 5...		234	C14H10N4	000531-46-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
Acq On : 04 Jun 2025 20:47
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ClientSampleId :
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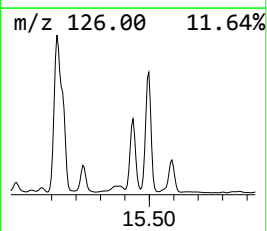
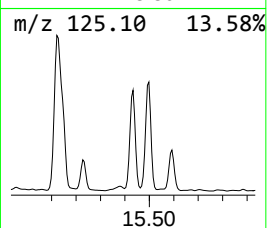
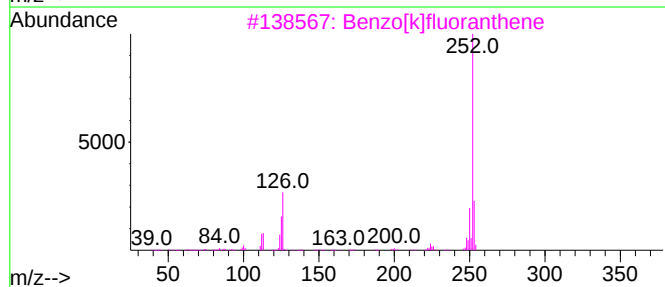
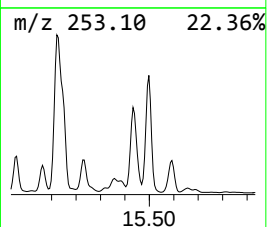
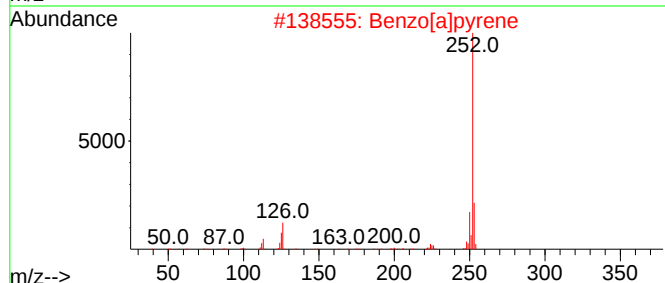
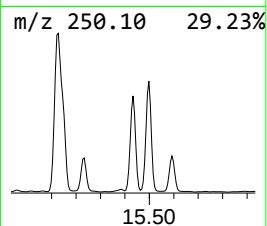
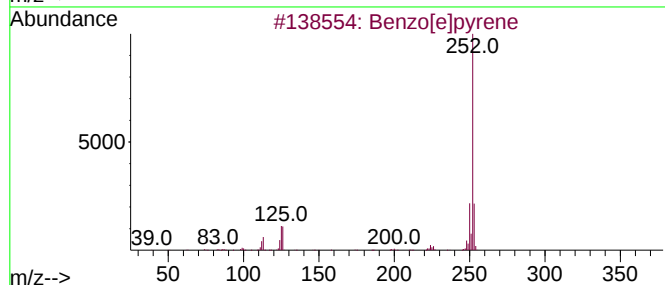
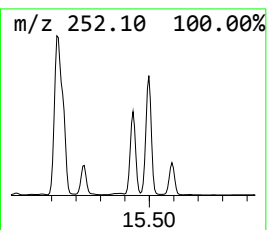
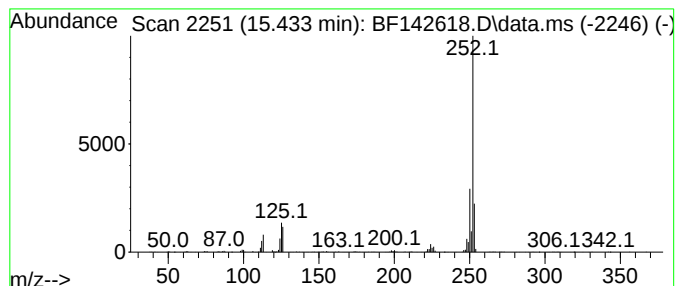
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	20.49 ng	620525	Perylene-d12	15.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[a]pyrene	252	C20H12	000050-32-8	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142618.D
Acq On : 04 Jun 2025 20:47
Operator : RC/JU
Sample : Q2173-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-23

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Phenanthrene, 2...	11.922	3.7	ng	106865	4	11.422	574539	20.0
Phenanthrene, 1...	11.951	5.0	ng	143546	4	11.422	574539	20.0
4H-Cyclopenta[d]...	12.033	9.1	ng	260001	4	11.422	574539	20.0
Naphthalene, 2-...	12.216	3.0	ng	86938	4	11.422	574539	20.0
9,10-Dimethylan...	12.475	4.3	ng	123538	4	11.422	574539	20.0
unknown12.510	12.510	3.3	ng	94699	4	11.422	574539	20.0
Cyclopenta(def)...	12.557	3.2	ng	92882	4	11.422	574539	20.0
Pyrene, 1-methyl-	13.080	2.1	ng	244925	5	14.069	2300170	20.0
Fluoranthene, 2...	13.192	3.0	ng	344701	5	14.069	2300170	20.0
Benzo[b]naphtho...	13.810	2.0	ng	232728	5	14.069	2300170	20.0
Benzo[e]pyrene	15.433	20.5	ng	620525	6	15.563	605812	20.0