

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142981.D
 Acq On : 02 Jul 2025 20:22
 Operator : RC/JU
 Sample : Q2475-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142981.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	485	491	502	rVB	77422	112336	9.30%	0.753%
2	5.487	555	560	577	rBV	746262	991473	82.11%	6.646%
3	6.504	727	733	748	rBV	745889	1020905	84.55%	6.843%
4	6.869	790	795	802	rVB	269945	332357	27.53%	2.228%
5	7.433	886	891	896	rBV	524078	656531	54.37%	4.401%
6	8.157	1009	1014	1022	rBV	350002	443002	36.69%	2.970%
7	9.233	1191	1197	1202	rBV	955889	1207470	100.00%	8.094%
8	9.774	1285	1289	1295	rVB	12347	14546	1.20%	0.098%
9	9.910	1307	1312	1316	rBV	371152	470342	38.95%	3.153%
10	9.945	1316	1318	1322	rVB	24836	24716	2.05%	0.166%
11	10.116	1343	1347	1351	rBV	19936	24706	2.05%	0.166%
12	10.463	1401	1406	1411	rVB	48197	61863	5.12%	0.415%
13	10.545	1411	1420	1423	rBV3	7463	16822	1.39%	0.113%
14	10.627	1428	1434	1439	rVB	141161	183489	15.20%	1.230%
15	10.704	1442	1447	1452	rBV	538409	676787	56.05%	4.537%
16	10.827	1462	1468	1473	rBV6	11575	18252	1.51%	0.122%
17	10.939	1480	1487	1491	rVV4	13076	29996	2.48%	0.201%
18	11.010	1494	1499	1505	rVV4	18221	43314	3.59%	0.290%
19	11.063	1505	1508	1511	rVV2	15234	21815	1.81%	0.146%
20	11.098	1511	1514	1517	rVV2	13773	19735	1.63%	0.132%
21	11.139	1517	1521	1529	rVV2	12647	26083	2.16%	0.175%
22	11.298	1544	1548	1553	rVB	13891	18632	1.54%	0.125%
23	11.404	1560	1566	1568	rBV	314200	445015	36.86%	2.983%
24	11.427	1568	1570	1574	rVV	269729	279331	23.13%	1.872%
25	11.474	1574	1578	1582	rVV	42066	56676	4.69%	0.380%
26	11.633	1599	1605	1612	rBV2	34193	54616	4.52%	0.366%
27	11.698	1612	1616	1619	rVV2	11168	15445	1.28%	0.104%
28	11.733	1619	1622	1628	rVB4	10151	12644	1.05%	0.085%
29	11.904	1641	1651	1652	rBV	45051	56805	4.70%	0.381%
30	11.927	1652	1655	1660	rVV2	88225	134754	11.16%	0.903%
31	11.980	1660	1664	1666	rVV	17818	24379	2.02%	0.163%
32	12.016	1666	1670	1679	rVB2	83499	151910	12.58%	1.018%
33	12.086	1679	1682	1688	rBV6	6300	12438	1.03%	0.083%
34	12.198	1697	1701	1703	rBV	33195	40286	3.34%	0.270%
35	12.227	1703	1706	1710	rVB	48638	59185	4.90%	0.397%
36	12.345	1721	1726	1729	rBV4	19536	26595	2.20%	0.178%

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

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Max Peaks: 100

Stop Thrs : 0

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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37	12.457	1741	1745	1748	rBV	26720	40360	3.34%	0.271%
38	12.545	1756	1760	1767	rVB	41390	57800	4.79%	0.387%
39	12.621	1767	1773	1777	rBV	658217	852161	70.57%	5.712%
40	12.657	1777	1779	1782	rVV2	24244	31577	2.62%	0.212%

41	12.710	1786	1788	1792	rVV	12363	14268	1.18%	0.096%
42	12.768	1792	1798	1804	rVB4	19502	42462	3.52%	0.285%
43	12.851	1804	1812	1817	rBV	556689	823805	68.23%	5.522%
44	12.898	1817	1820	1824	rVB2	28988	39411	3.26%	0.264%
45	12.986	1824	1835	1843	rBV	719903	999198	82.75%	6.698%

46	13.068	1843	1849	1854	rBV4	49453	88973	7.37%	0.596%
47	13.174	1856	1867	1871	rVB2	74840	157942	13.08%	1.059%
48	13.239	1874	1878	1881	rVV	44437	58277	4.83%	0.391%
49	13.280	1881	1885	1892	rVB3	59623	94259	7.81%	0.632%
50	13.374	1897	1901	1903	rVV	27209	33854	2.80%	0.227%

51	13.404	1903	1906	1913	rVB4	27177	41461	3.43%	0.278%
52	13.557	1928	1932	1933	rBV4	14084	18498	1.53%	0.124%
53	13.580	1934	1936	1942	rVB4	17697	31430	2.60%	0.211%
54	13.686	1946	1954	1958	rBV	77623	129037	10.69%	0.865%
55	13.798	1967	1973	1975	rBV2	62305	95927	7.94%	0.643%

56	13.821	1975	1977	1980	rVV	49873	68591	5.68%	0.460%
57	13.851	1980	1982	1985	rVV2	42934	56254	4.66%	0.377%
58	13.892	1985	1989	1993	rVB2	75615	113014	9.36%	0.758%
59	13.974	1999	2003	2007	rVB2	12081	19205	1.59%	0.129%
60	14.045	2007	2015	2018	rBV2	432032	778900	64.51%	5.221%

61	14.074	2018	2020	2027	rVB	300059	360930	29.89%	2.419%
62	14.157	2031	2034	2036	rBV	16321	18789	1.56%	0.126%
63	14.274	2050	2054	2057	rVV2	17119	26874	2.23%	0.180%
64	14.309	2057	2060	2066	rVB4	18337	29435	2.44%	0.197%
65	14.433	2072	2081	2084	rBV	49035	102363	8.48%	0.686%

66	14.474	2084	2088	2091	rVV2	49460	81517	6.75%	0.546%
67	14.515	2092	2095	2100	rVV3	31753	79919	6.62%	0.536%
68	14.562	2100	2103	2110	rVV2	44428	102914	8.52%	0.690%
69	14.633	2111	2115	2121	rVB2	21720	37567	3.11%	0.252%
70	14.751	2131	2135	2139	rBV2	20666	36734	3.04%	0.246%

71	14.862	2151	2154	2158	rVB2	15252	19462	1.61%	0.130%
72	14.939	2163	2167	2174	rVB4	17477	35672	2.95%	0.239%
73	15.104	2189	2195	2203	rBV	250598	579178	47.97%	3.882%
74	15.215	2210	2214	2225	rVB2	33453	70901	5.87%	0.475%
75	15.415	2242	2248	2254	rVB	107430	169146	14.01%	1.134%

76	15.480	2254	2259	2264	rBV	119284	182992	15.15%	1.227%
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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.539	2264	2269	2274	rBV	184323	305435	25.30%	2.047%
78	15.992	2342	2346	2351	rVB3	14891	26247	2.17%	0.176%
79	17.045	2519	2525	2537	rBV2	43323	109058	9.03%	0.731%
80	17.503	2597	2603	2614	rVB	31064	71302	5.91%	0.478%

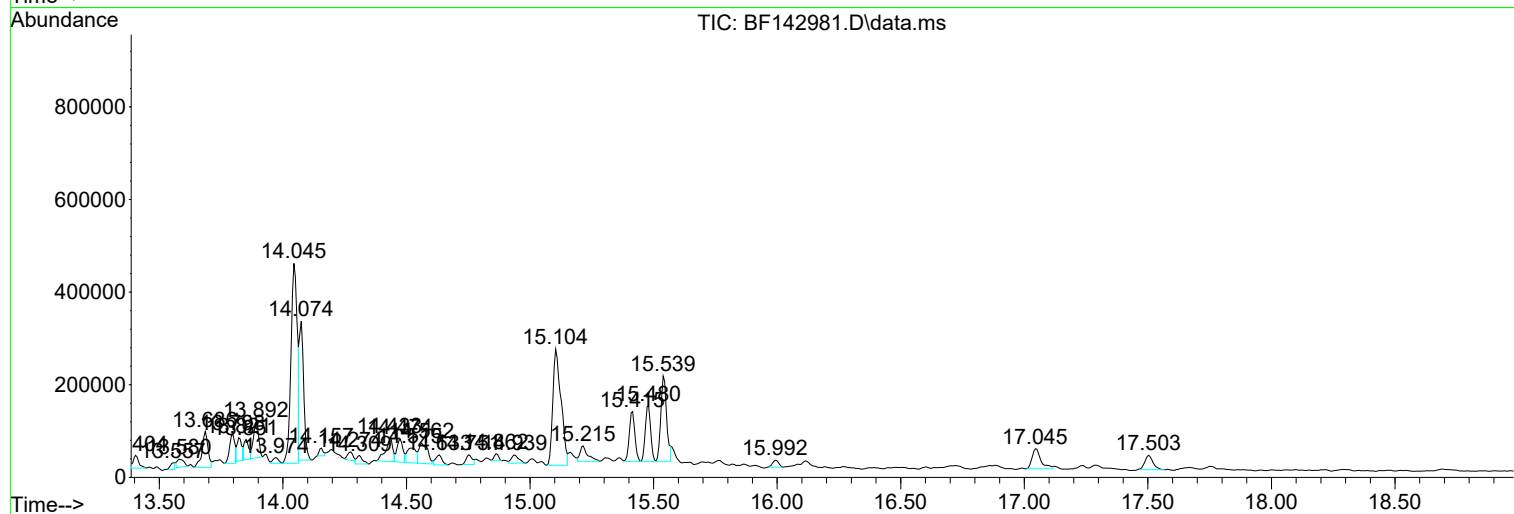
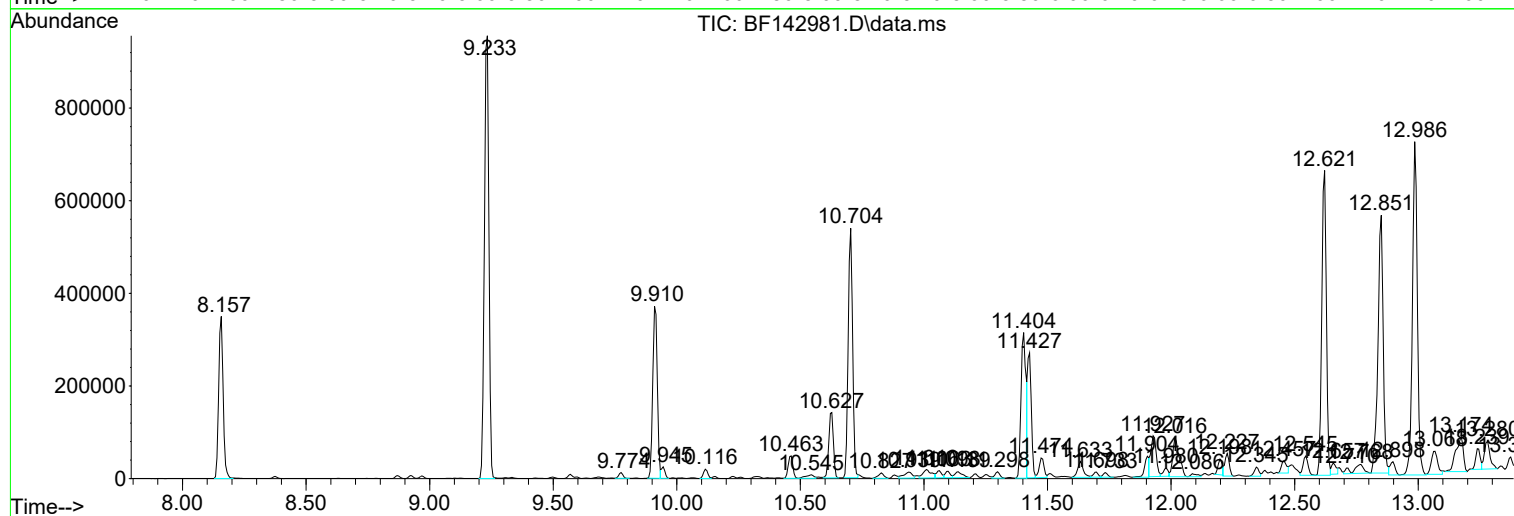
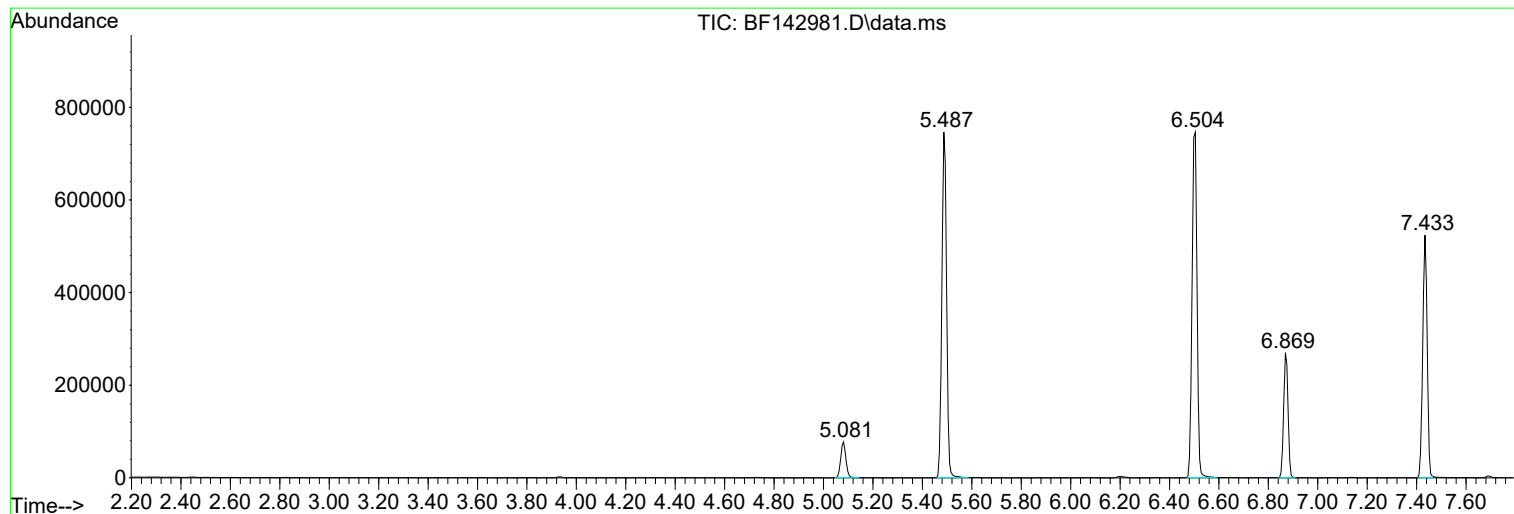
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
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Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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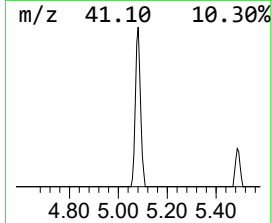
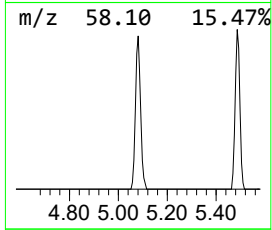
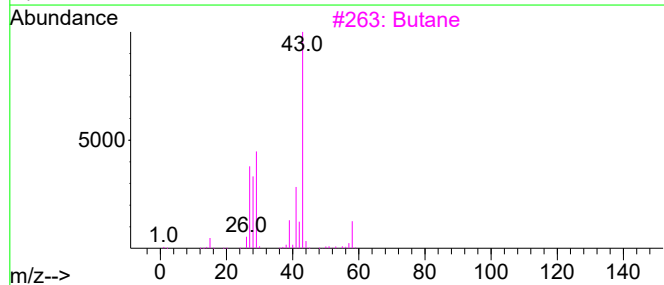
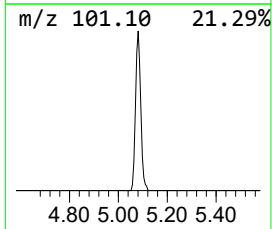
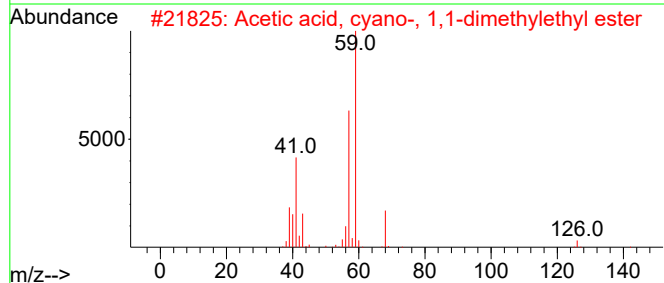
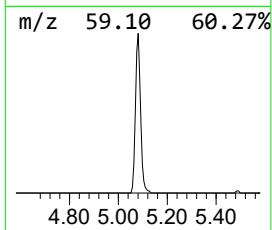
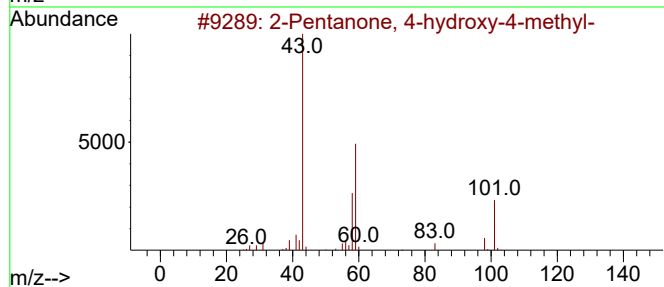
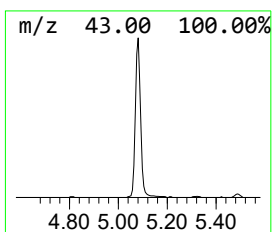
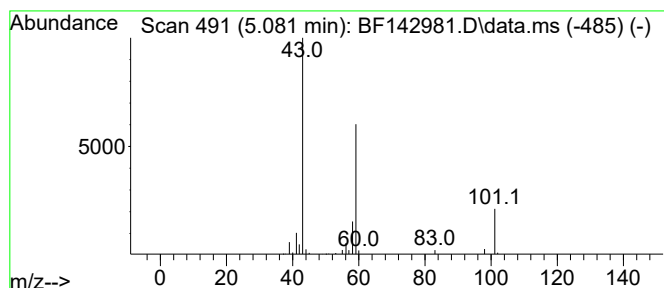
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	6.76 ng	112336	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3			Butane	58	C4H10	000106-97-8	9
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



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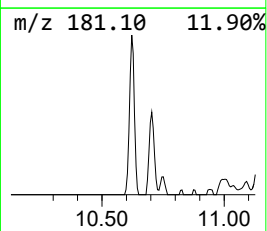
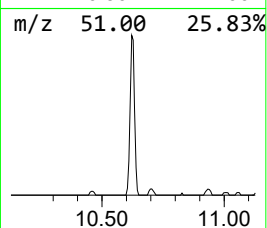
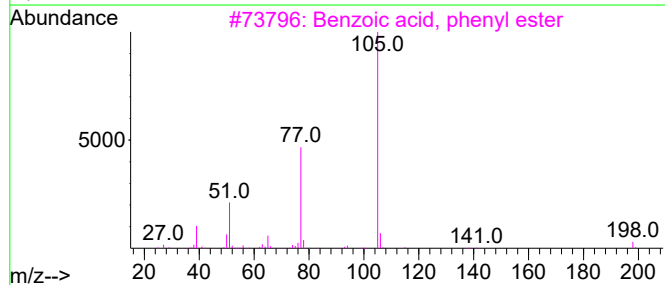
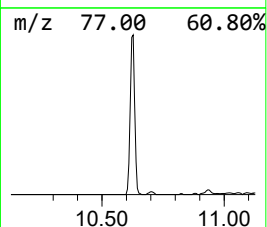
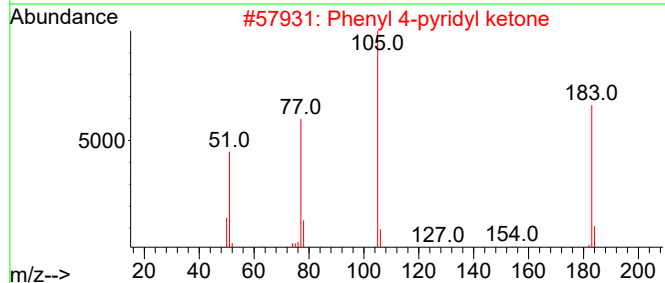
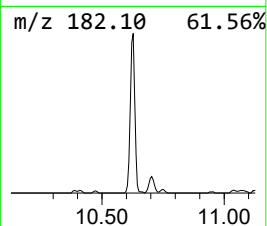
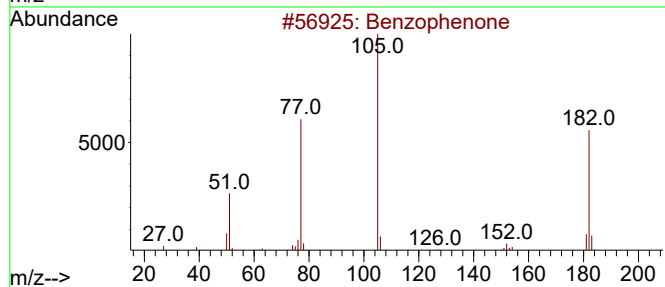
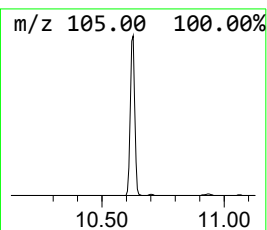
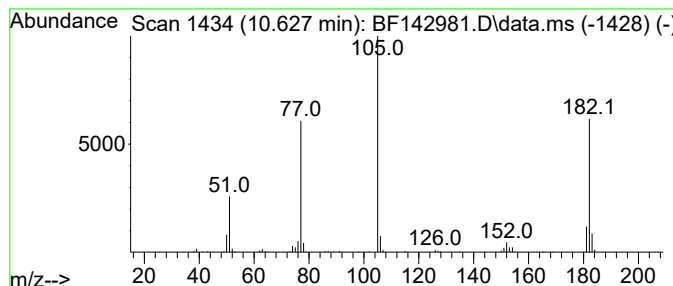
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	7.80 ng	183489	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
3			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



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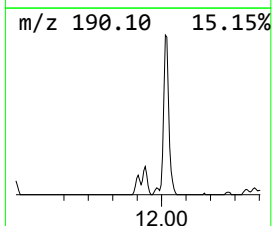
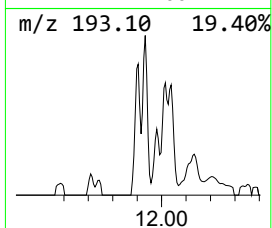
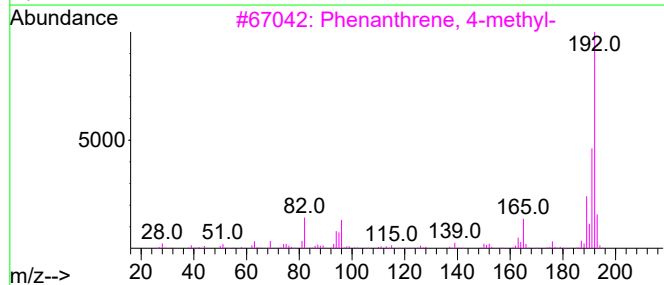
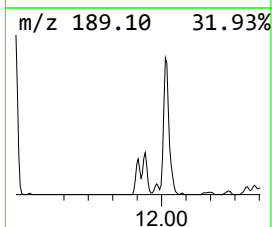
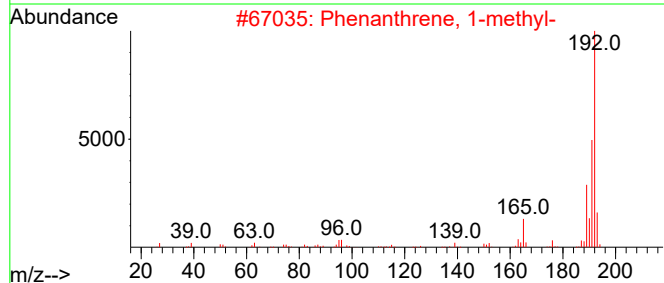
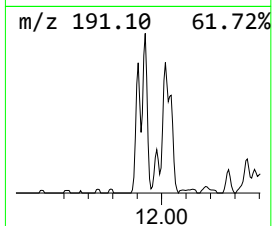
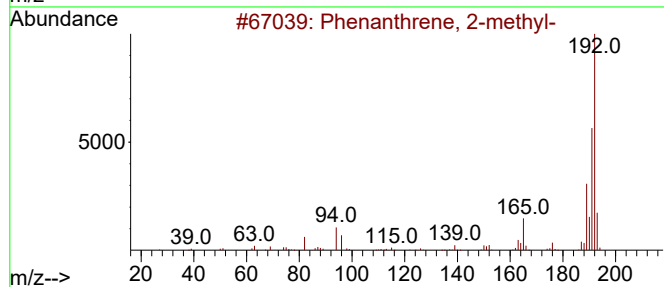
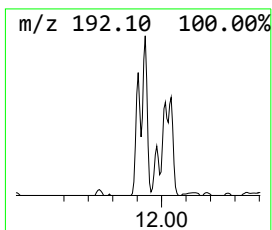
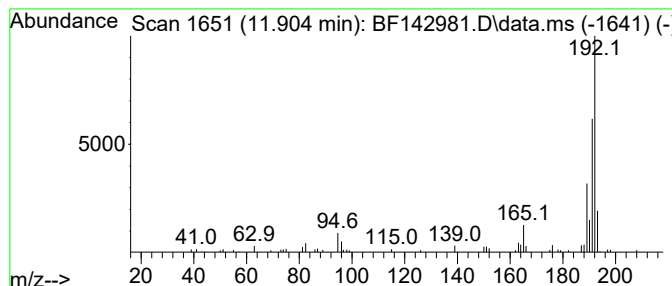
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	2.55 ng	56805	Phenanthrene-d10	11.404

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	93
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



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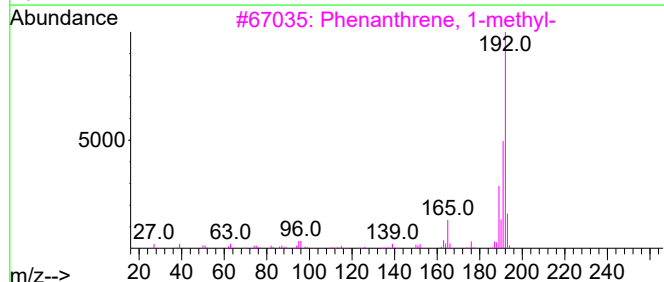
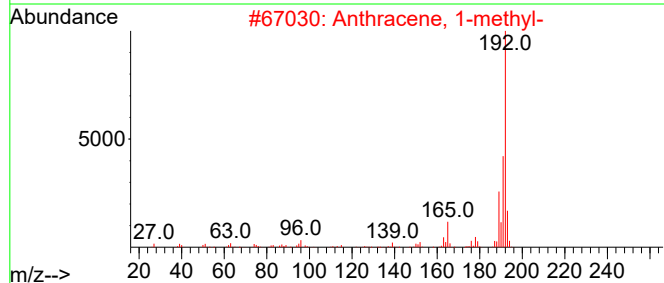
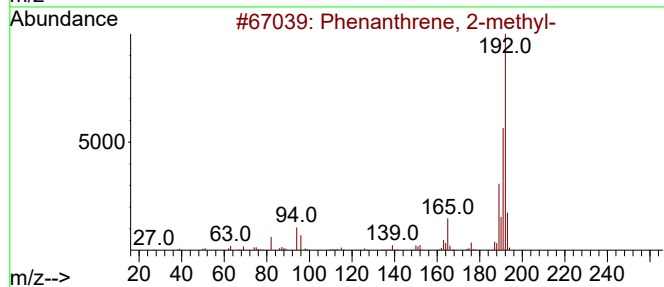
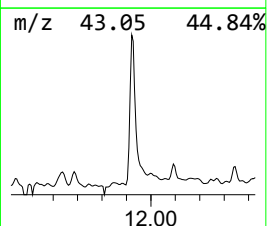
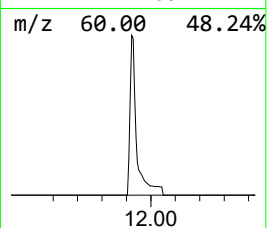
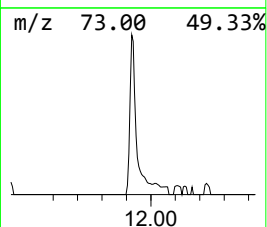
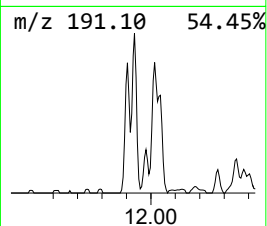
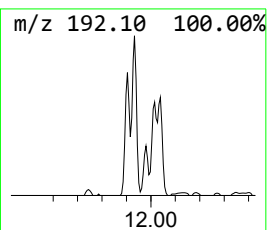
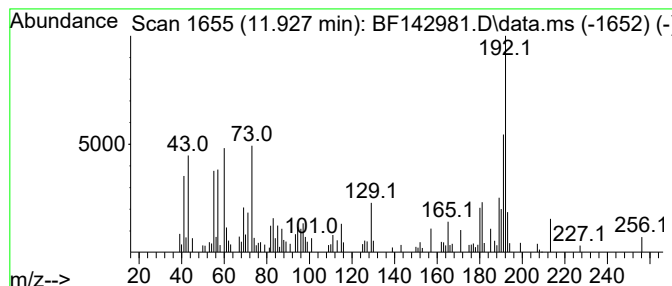
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	6.06 ng	134754	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

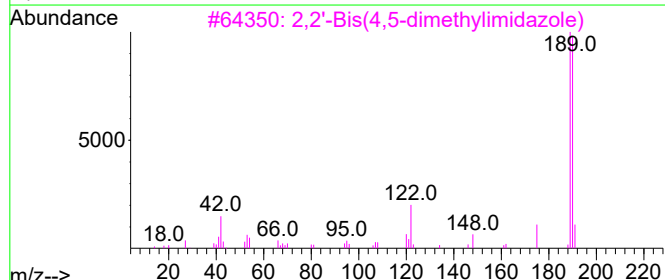
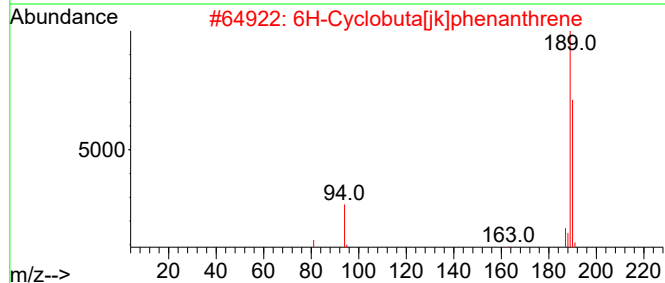
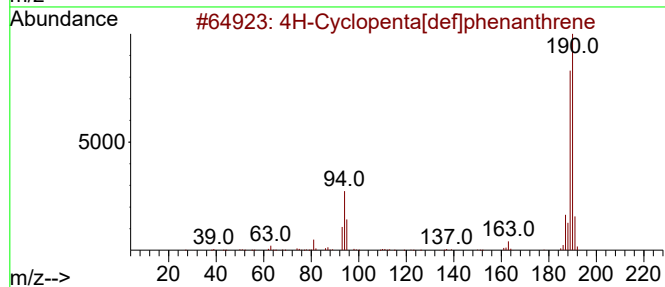
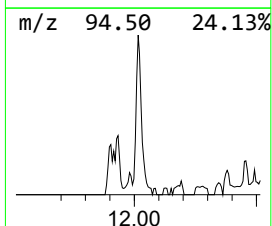
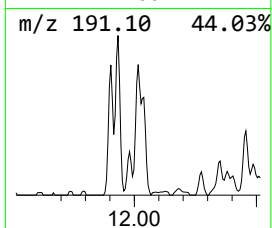
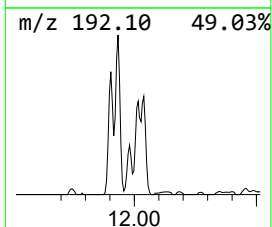
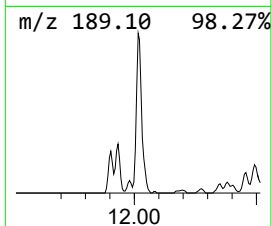
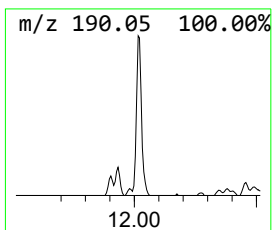
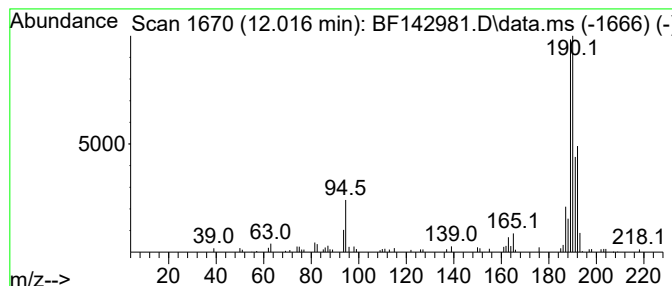
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.015	6.83 ng	151910	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4			Methyl diselenide	190	C2H6Se2	007101-31-7	35
5			Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
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Instrument :
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ClientSampleId :
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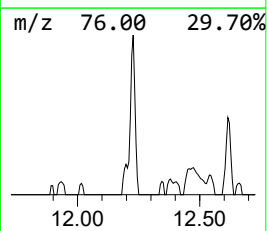
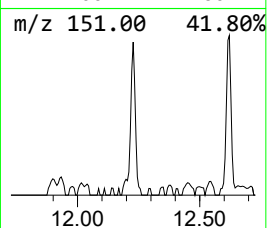
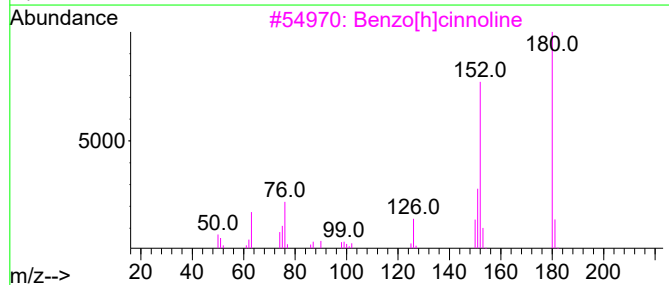
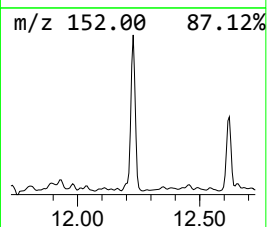
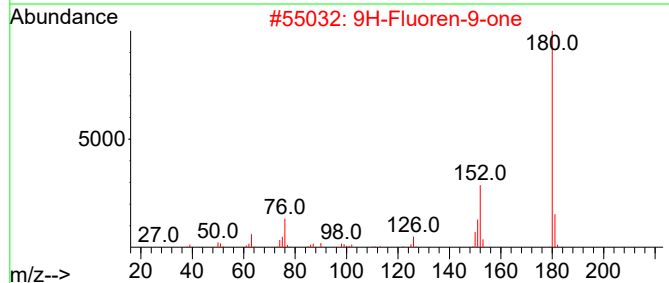
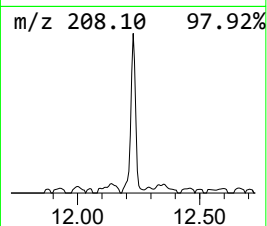
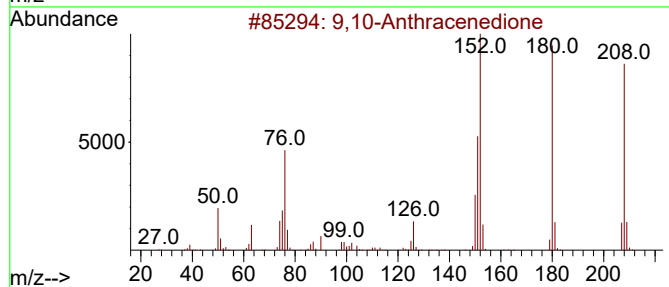
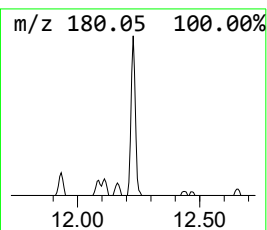
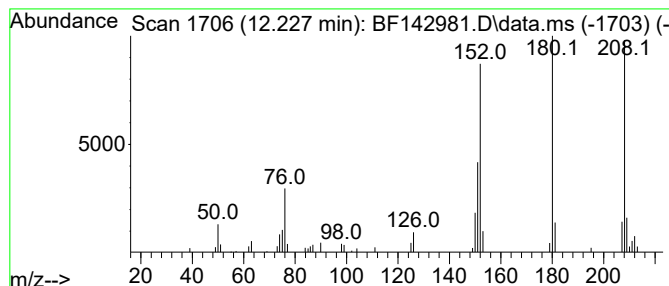
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	2.66 ng	59185	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
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Operator : RC/JU
Sample : Q2475-01
Misc :
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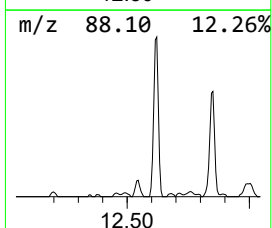
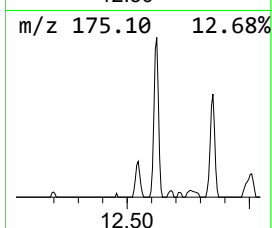
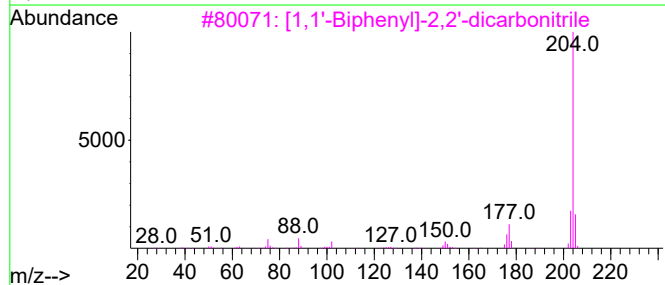
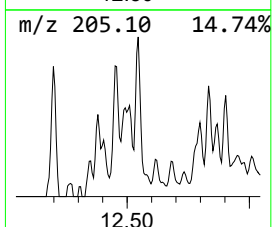
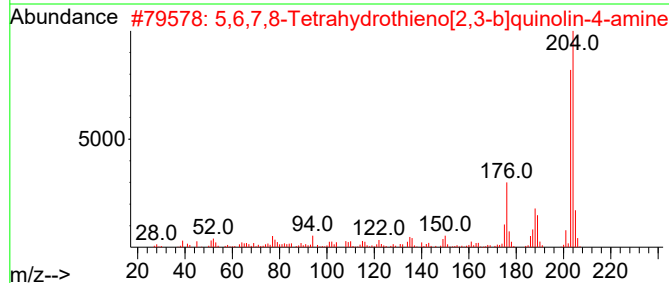
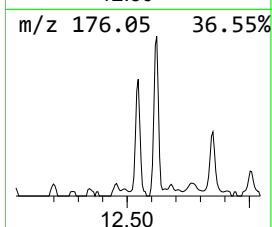
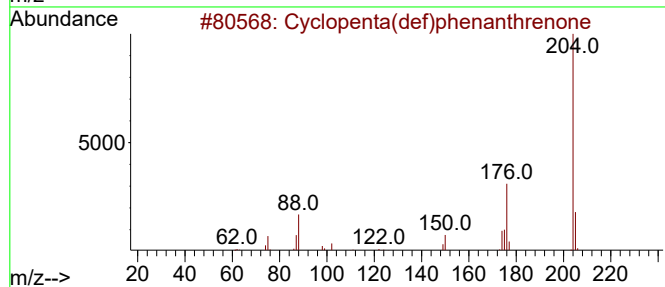
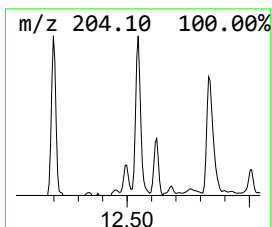
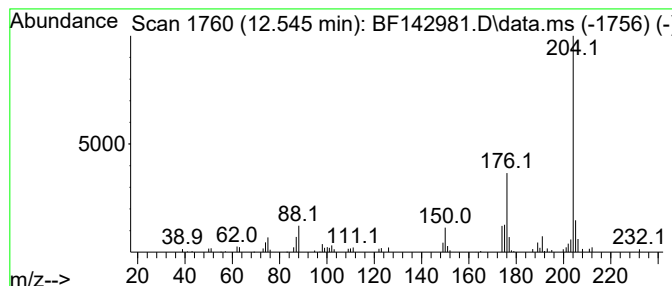
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.545	2.60 ng	57800	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	72
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58
4	3H-pyrazol-3-one, 5-ethoxy-2,4-d...	204	C11H12N2O2	1000400-47-1	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
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Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

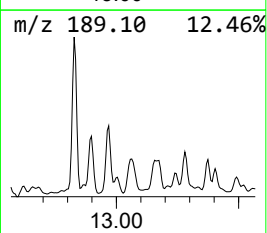
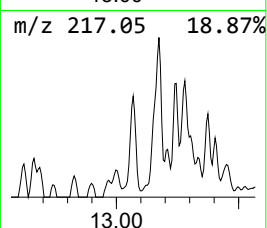
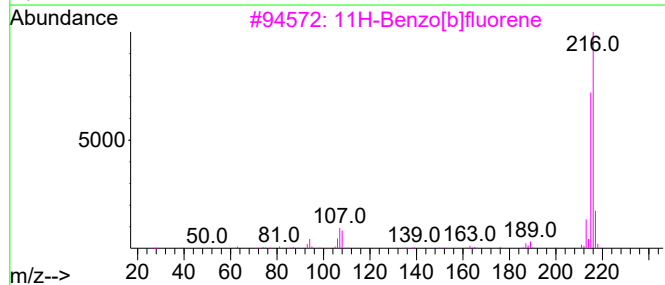
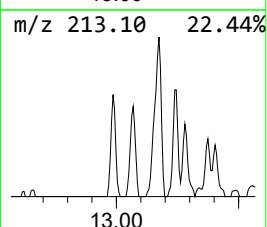
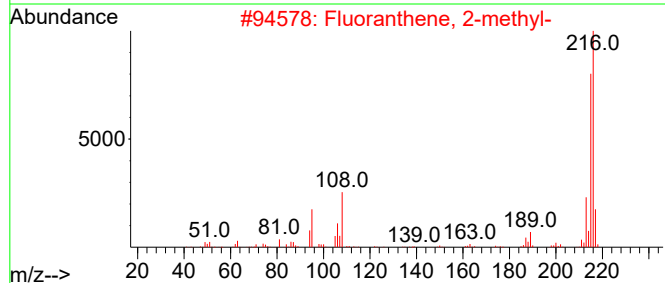
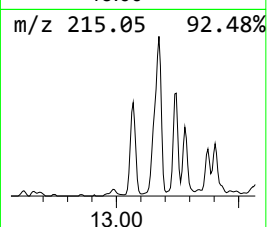
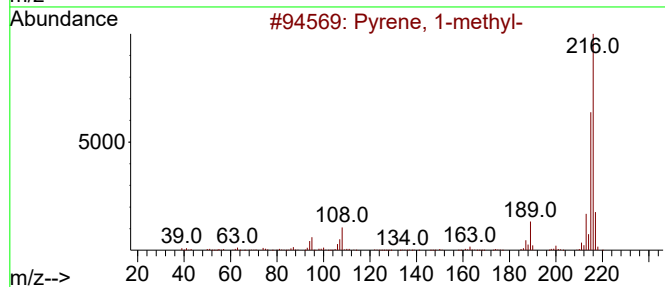
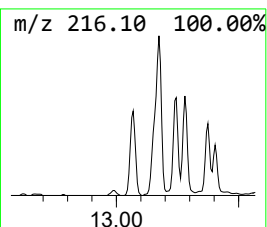
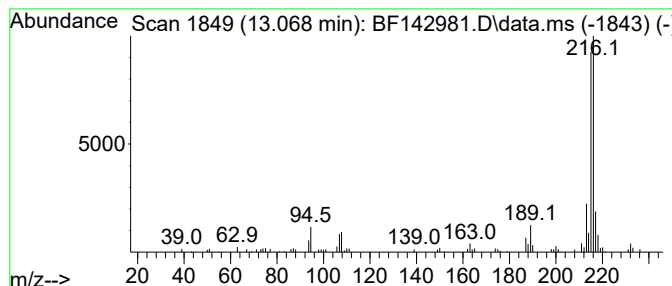
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.068	2.28 ng	88973	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
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Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

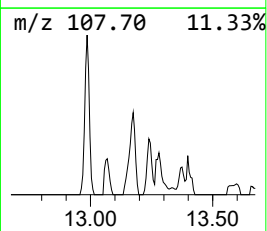
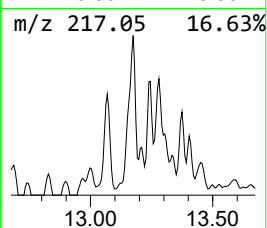
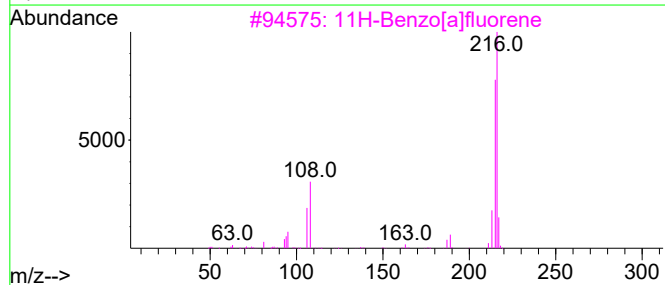
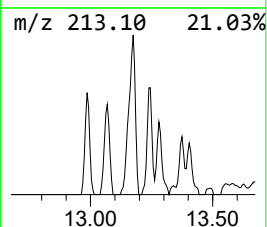
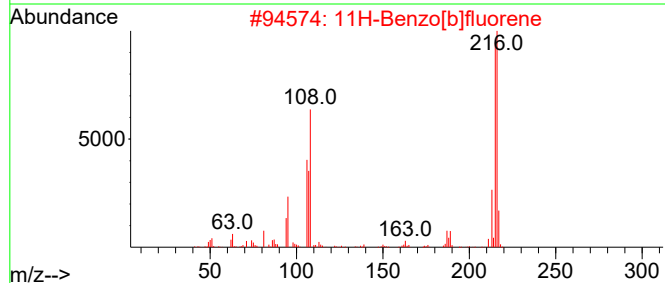
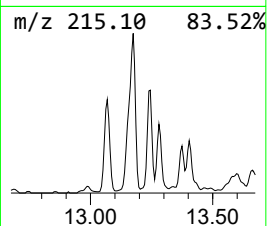
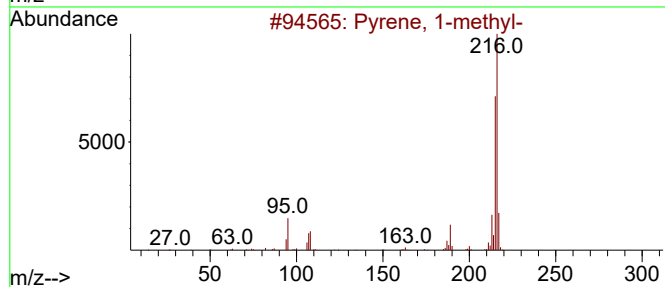
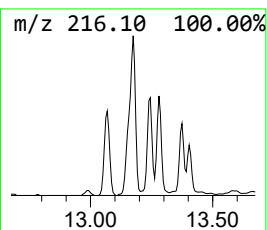
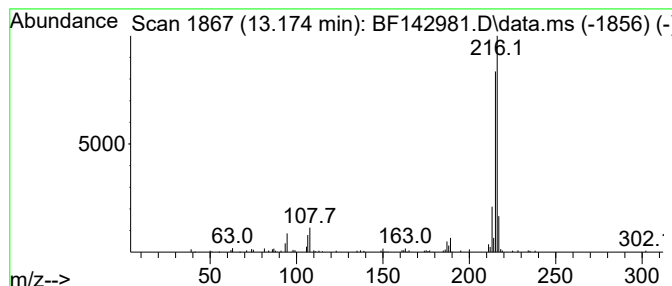
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	4.06 ng	157942	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
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ALS Vial : 19 Sample Multiplier: 1

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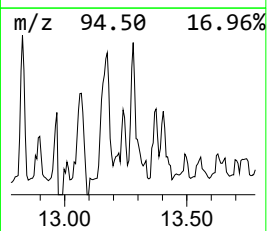
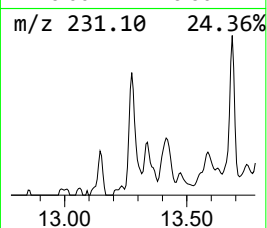
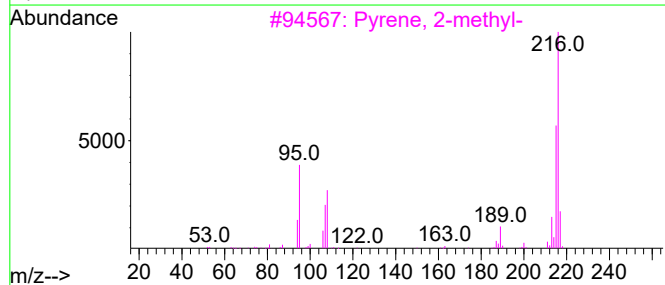
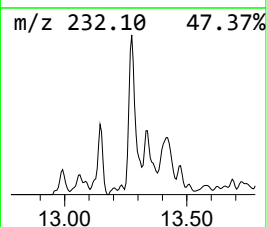
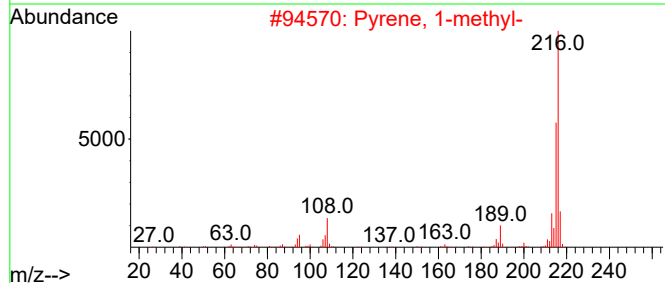
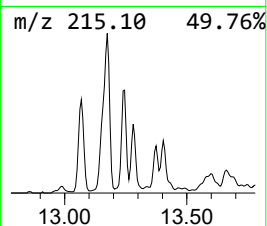
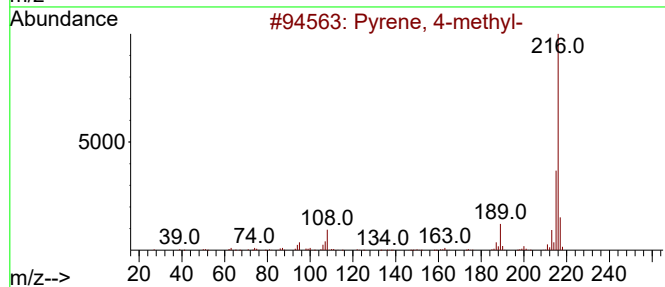
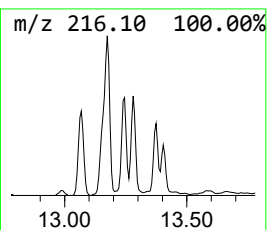
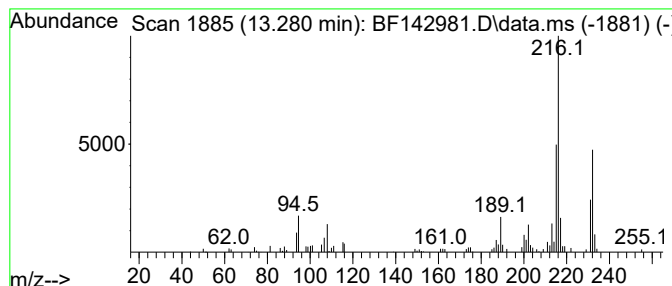
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	2.42 ng	94259	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



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Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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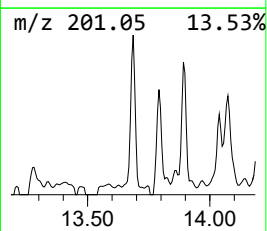
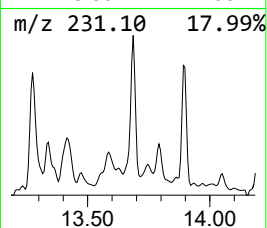
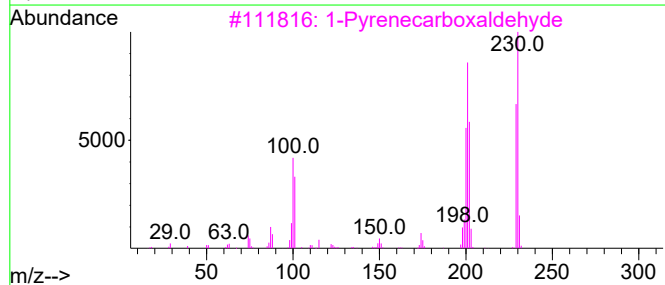
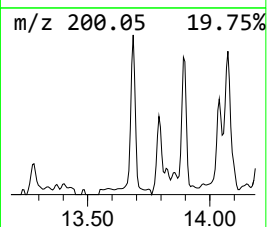
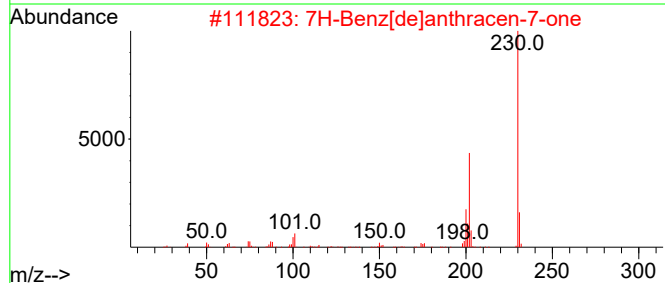
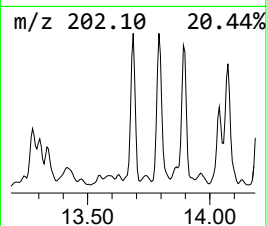
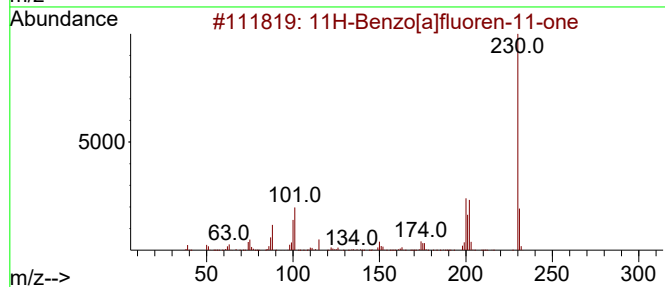
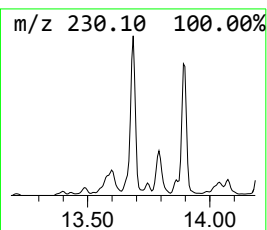
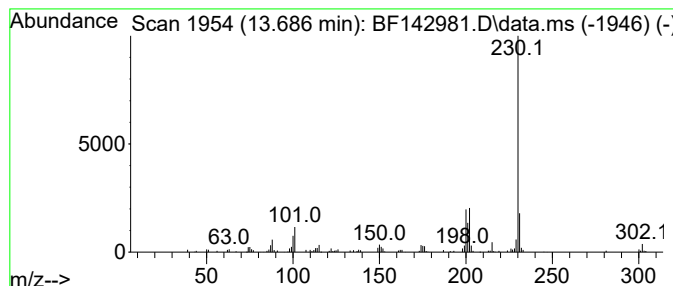
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.686	3.31 ng	129037	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5			o-Terphenyl	230	C18H14	000084-15-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
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Sample : Q2475-01
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ClientSampleId :
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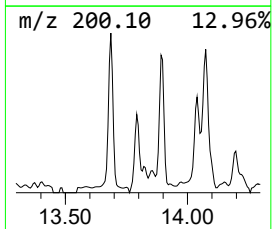
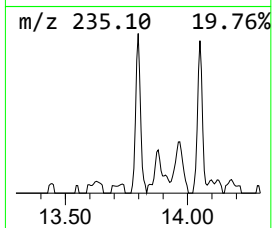
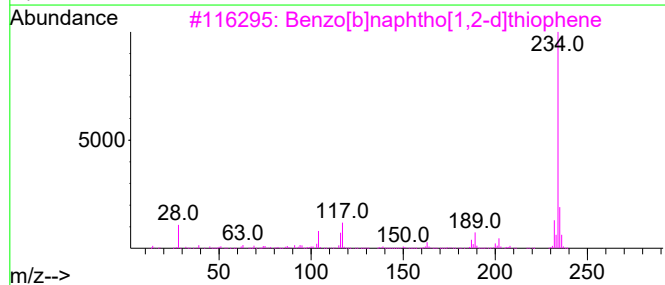
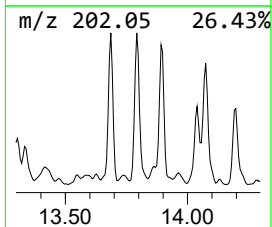
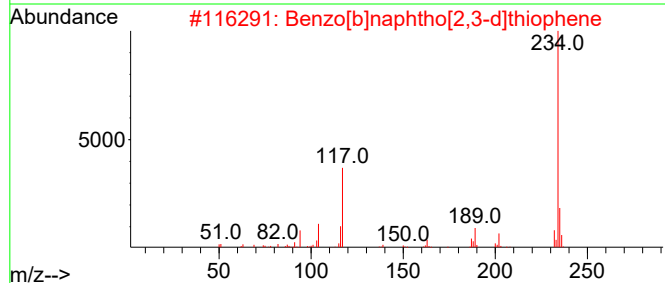
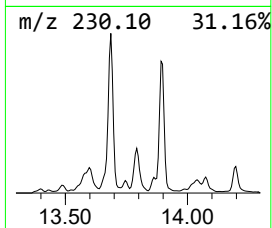
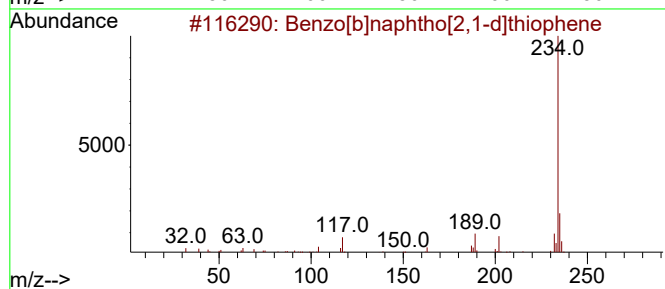
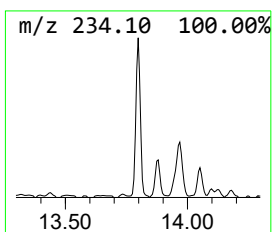
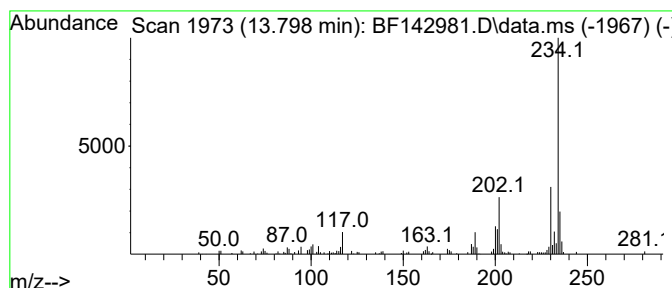
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	2.46 ng	95927	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
2			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4			Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	49
5			Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
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Sample : Q2475-01
Misc :
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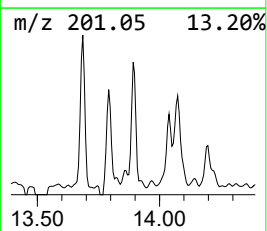
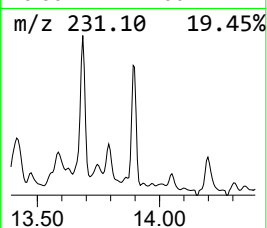
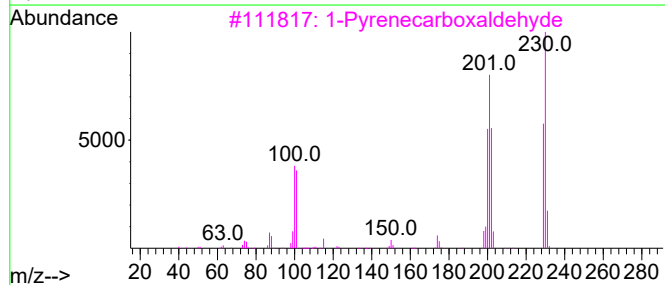
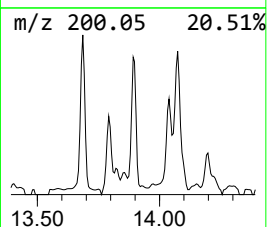
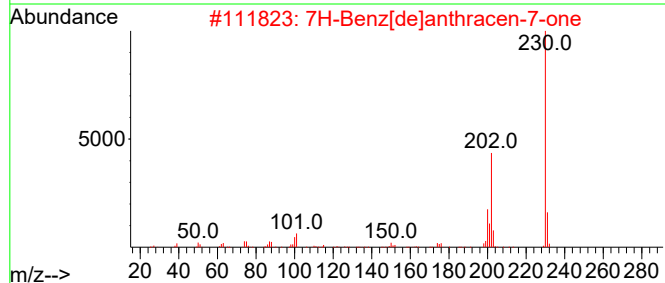
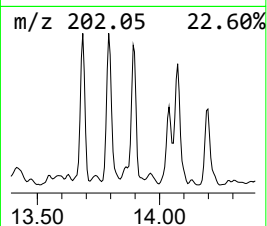
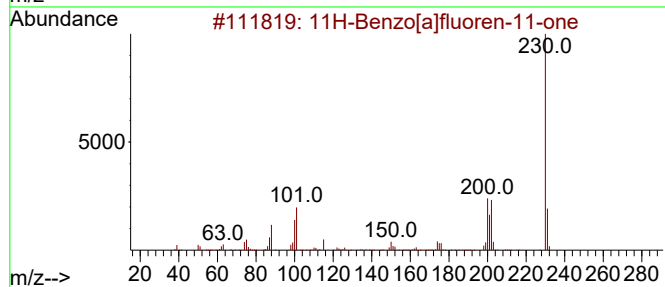
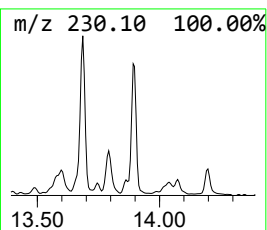
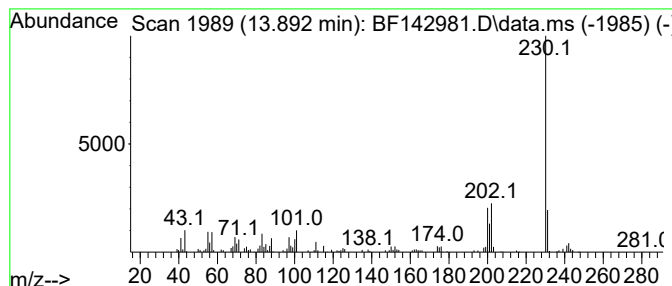
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	2.90 ng	113014	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
4			Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5			o-Terphenyl	230	C18H14	000084-15-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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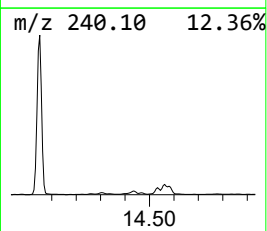
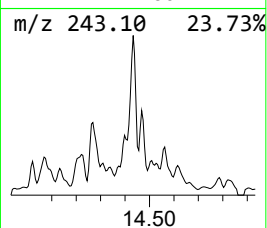
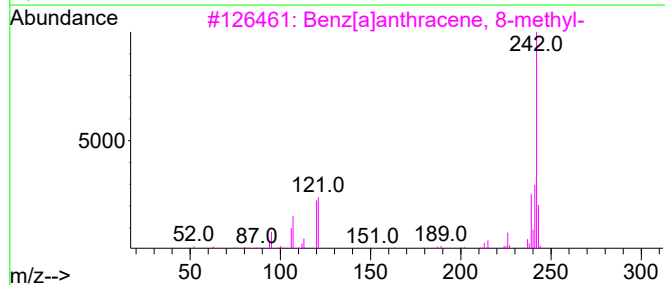
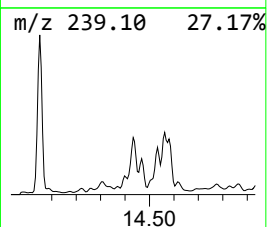
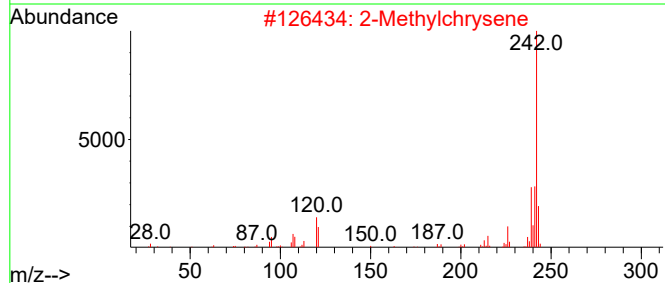
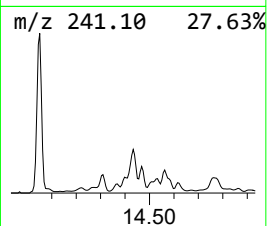
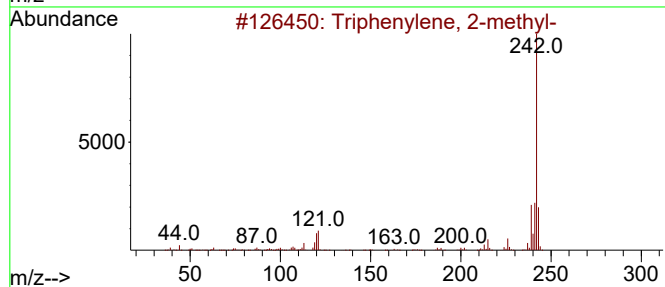
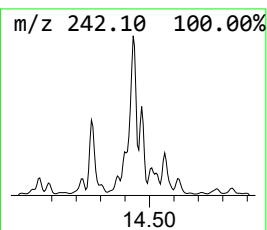
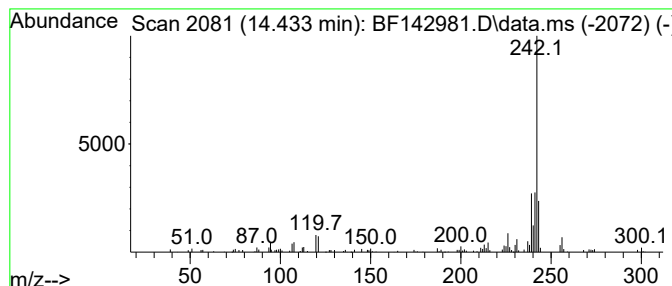
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.433	2.63 ng	102363	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2			2-Methylchrysene	242	C19H14	003351-32-4	95
3			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4			Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	94
5			Chrysene, 1-methyl-	242	C19H14	003351-28-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
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Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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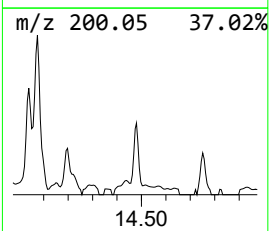
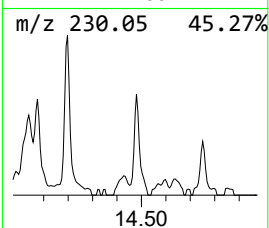
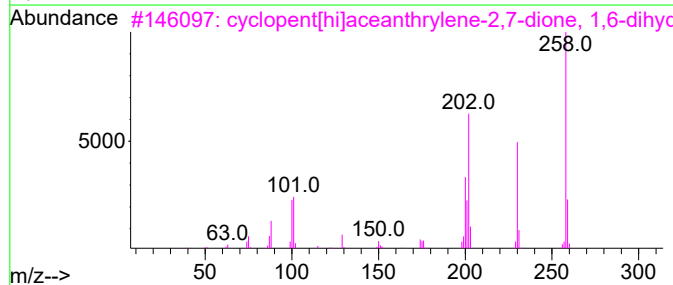
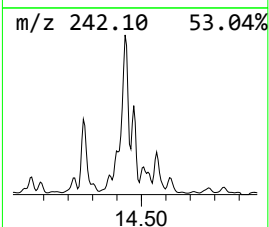
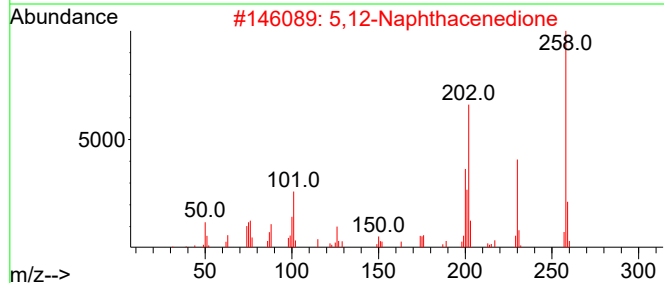
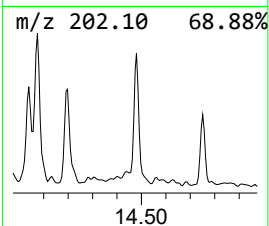
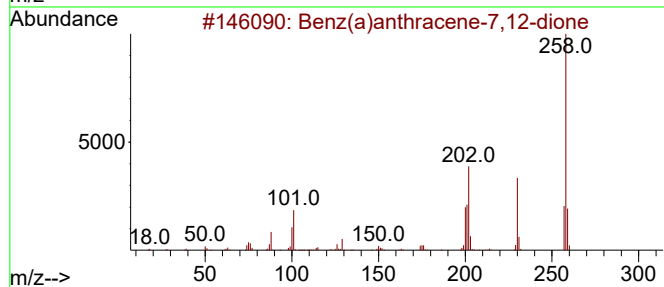
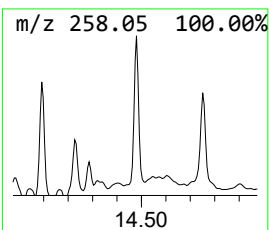
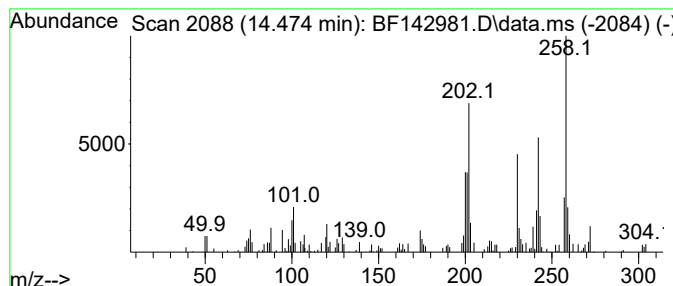
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz(a)anthracene-7,12-dione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.474	2.09 ng	81517	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3			cyclopent[hi]aceanthrylene-2,7-d...	258	C18H10O2	1000396-75-6	86
4			(Z)-4-Methoxy-6-(4-methoxystyryl...	258	C15H14O4	089272-44-6	35
5			2-(1-Methyl-1H-indol-3-yl)quinoline	258	C18H14N2	1000326-83-7	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
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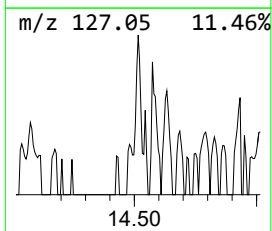
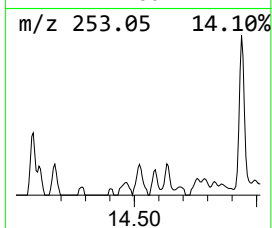
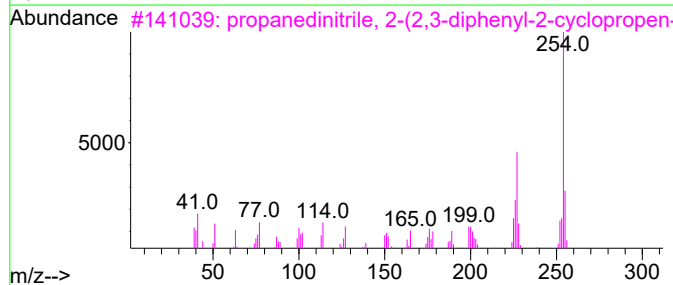
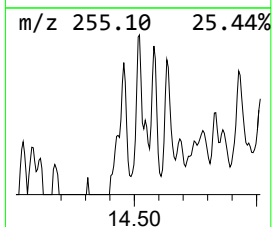
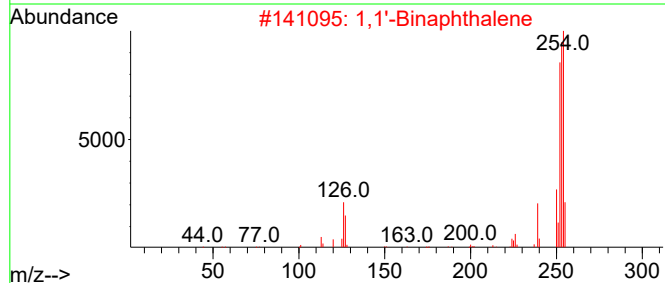
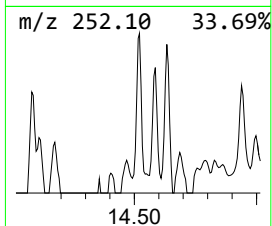
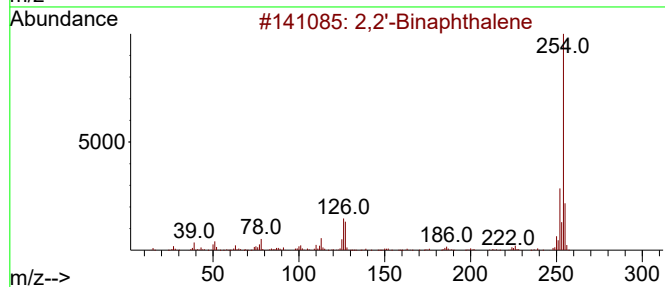
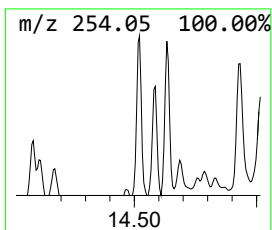
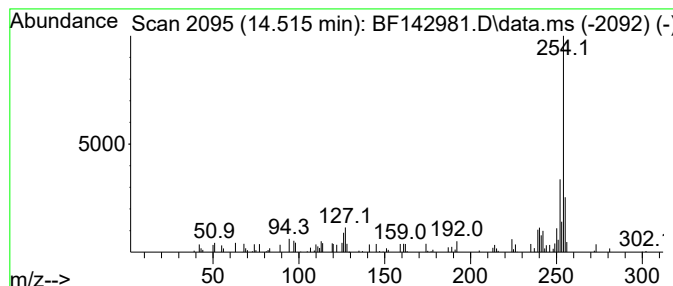
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2,2'-Binaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.515	2.05 ng	79919	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	64
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
3	propanedinitrile, 2-(2,3-dipheny...	254	C18H10N2	1010401-43-3	50
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	49
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
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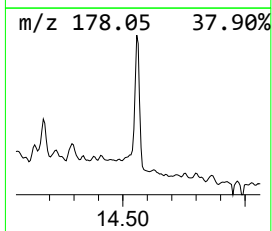
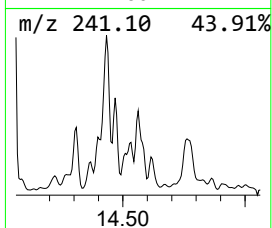
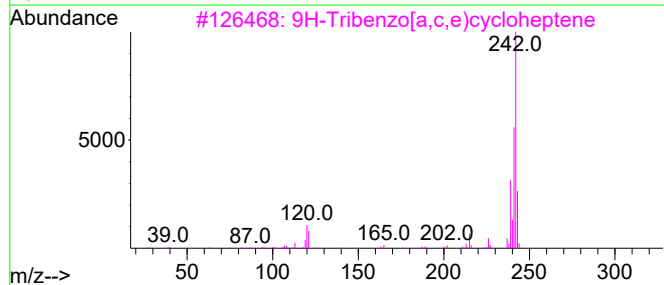
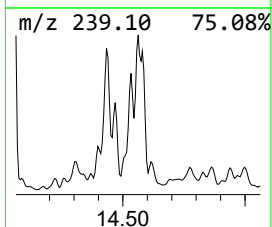
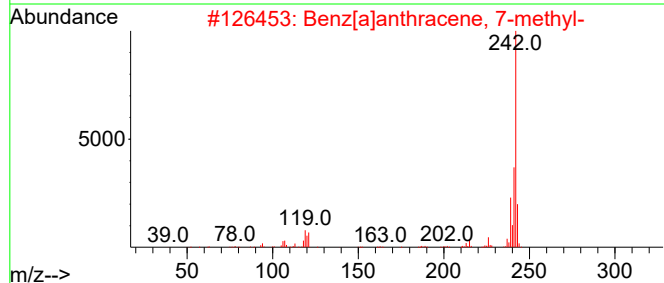
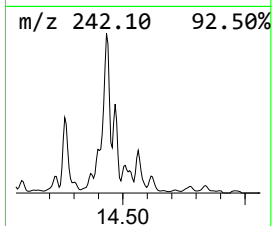
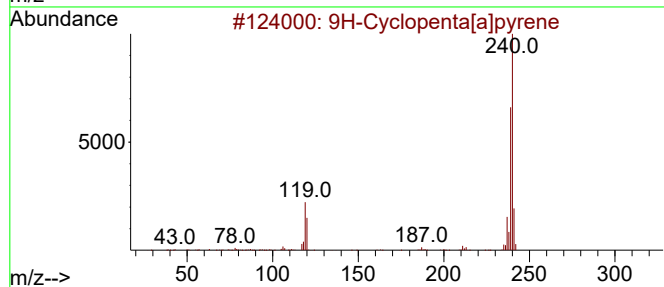
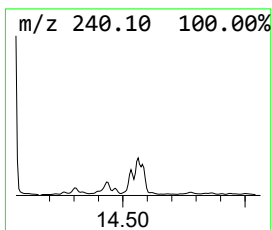
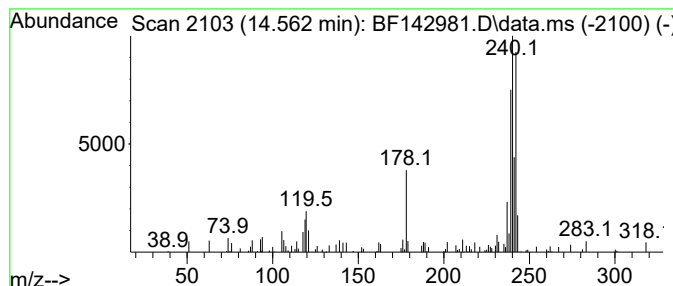
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown14.562 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.562	2.64 ng	102914	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	49
2			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	25
3			9H-Tribenzo[a,c,e]cycloheptene	242	C19H14	000213-10-5	25
4			9H-Fluorene, 9-phenyl-	242	C19H14	000789-24-2	25
5			2-[1-Methyl-3-(trifluoromethyl)-...	242	C11H9F3N2O	512790-18-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

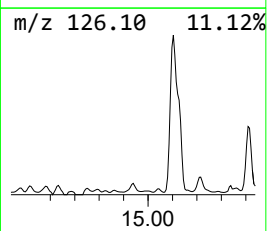
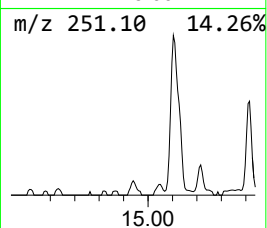
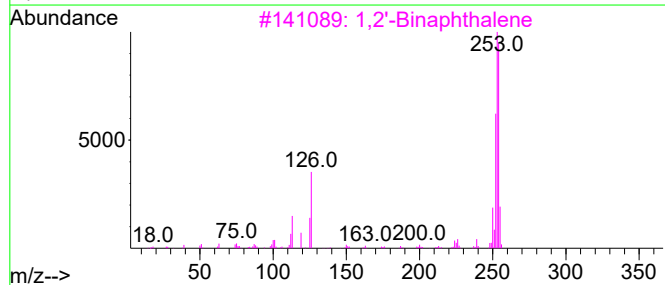
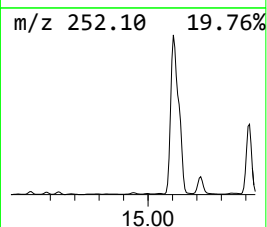
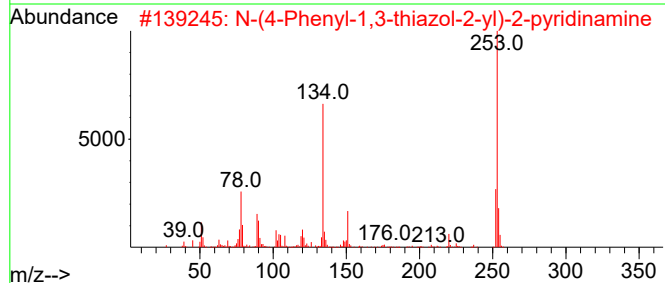
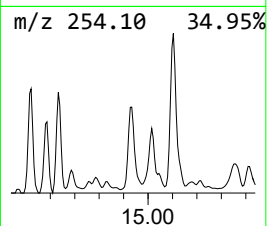
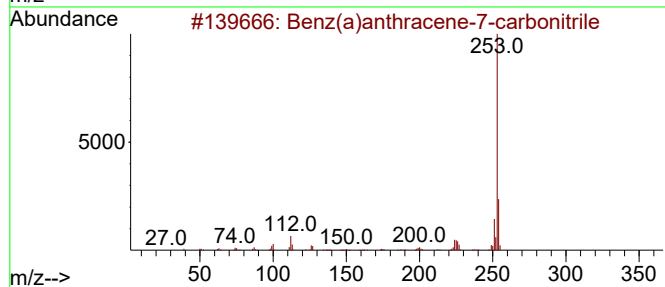
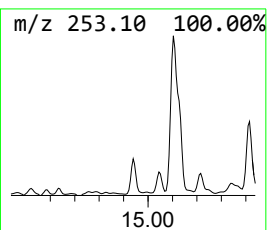
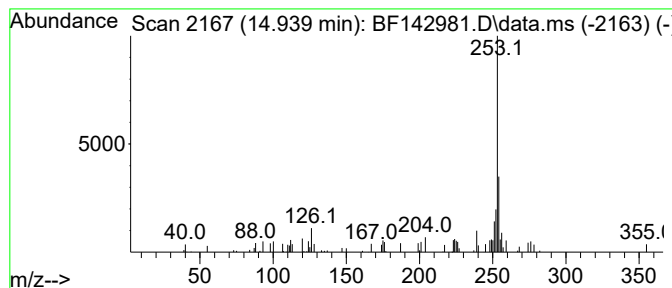
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benz(a)anthracene-7-carboni... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.939	2.34 ng	35672	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	52
2			N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	50
3			1,2'-Binaphthalene	254	C20H14	004325-74-0	47
4			2-[Butyl(methyl)amino]-5H,6H,7H,...	296	C18H24N4	1000388-63-2	47
5			Acridin-1(2H)-one, 3,4-dihydro-3...	282	C18H22N2O	146352-02-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

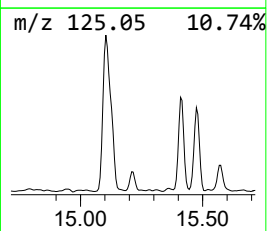
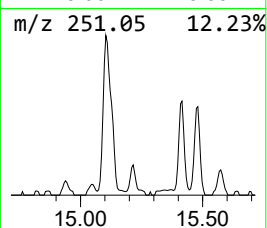
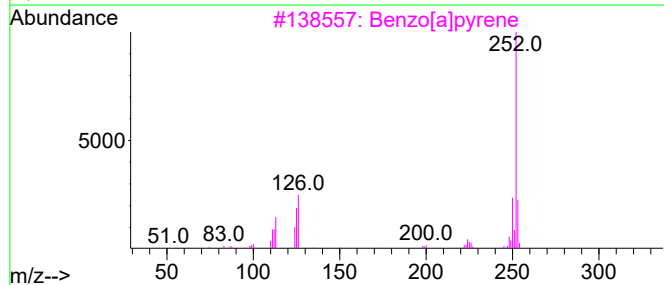
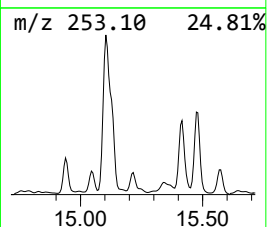
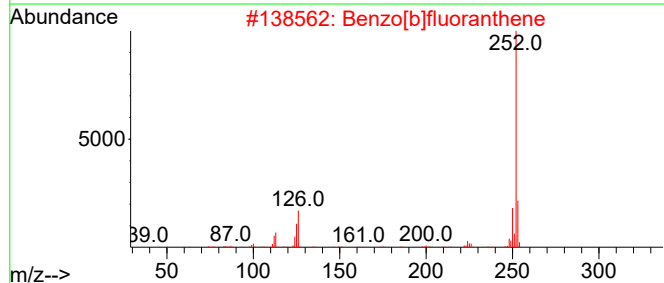
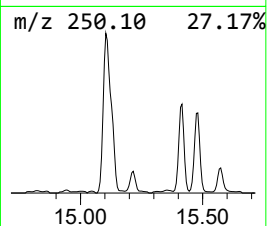
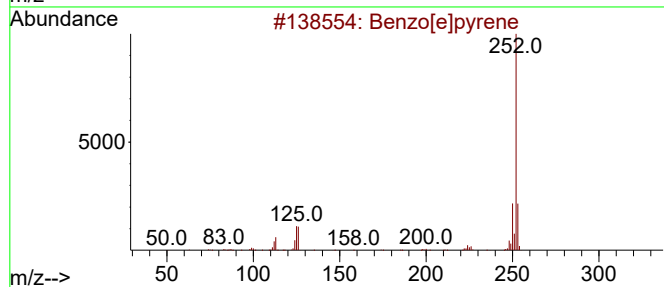
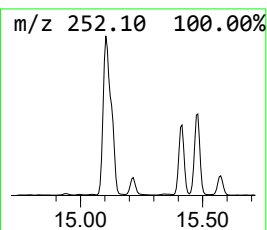
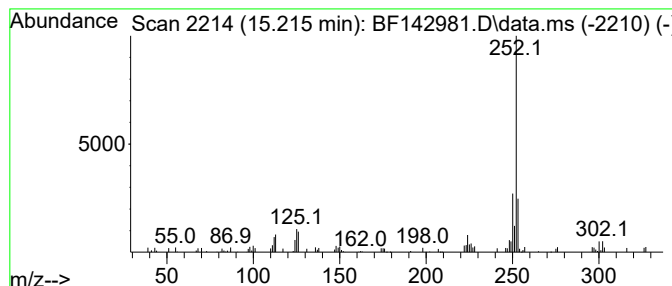
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.215	4.64 ng	70901	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	93
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
3			Benzo[a]pyrene	252	C20H12	000050-32-8	86
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	83
5			Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142981.D
Acq On : 02 Jul 2025 20:22
Operator : RC/JU
Sample : Q2475-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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
2-Pentanone, 4-...	5.081	6.8	ng	112336	1	6.869	332357	20.0
Benzophenone	10.627	7.8	ng	183489	3	9.910	470342	20.0
Phenanthrene, 2...	11.904	2.5	ng	56805	4	11.404	445015	20.0
Anthracene, 1-m...	11.927	6.1	ng	134754	4	11.404	445015	20.0
4H-Cyclopenta[d...	12.015	6.8	ng	151910	4	11.404	445015	20.0
9,10-Anthracene...	12.227	2.7	ng	59185	4	11.404	445015	20.0
Cyclopenta(def)...	12.545	2.6	ng	57800	4	11.404	445015	20.0
Pyrene, 1-methyl-	13.068	2.3	ng	88973	5	14.051	778900	20.0
11H-Benzo[b]flu...	13.174	4.1	ng	157942	5	14.051	778900	20.0
Pyrene, 4-methyl-	13.280	2.4	ng	94259	5	14.051	778900	20.0
11H-Benzo[a]flu...	13.686	3.3	ng	129037	5	14.051	778900	20.0
Benzo[b]naphtho...	13.798	2.5	ng	95927	5	14.051	778900	20.0
7H-Benz[de]anth...	13.892	2.9	ng	113014	5	14.051	778900	20.0
Triphenylene, 2...	14.433	2.6	ng	102363	5	14.051	778900	20.0
Benz(a)anthrace...	14.474	2.1	ng	81517	5	14.051	778900	20.0
2,2'-Binaphthalene	14.515	2.0	ng	79919	5	14.051	778900	20.0
unknown14.562	14.562	2.6	ng	102914	5	14.051	778900	20.0
Benz(a)anthrace...	14.939	2.3	ng	35672	6	15.539	305435	20.0
Benzo[e]pyrene	15.215	4.6	ng	70901	6	15.539	305435	20.0