

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134409.D
 Acq On : 21 Jul 2023 19:36
 Operator : CG\JU
 Sample : 03639-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

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-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134409.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	572	575	588	rBV	924800	861666	58.17%	4.335%
2	6.475	742	746	759	rBV	1009540	885708	59.79%	4.456%
3	6.834	804	807	818	rBV	393074	338281	22.84%	1.702%
4	7.398	899	903	914	rBV	686093	563299	38.03%	2.834%
5	8.116	1021	1025	1028	rBV	515553	417304	28.17%	2.099%
6	9.192	1204	1208	1211	rBV	1249563	985083	66.50%	4.956%
7	9.527	1261	1265	1268	rBV	17841	18412	1.24%	0.093%
8	9.733	1297	1300	1305	rVB	41404	33995	2.30%	0.171%
9	9.875	1320	1324	1327	rBV	531284	437876	29.56%	2.203%
10	9.904	1327	1329	1333	rVB	39490	31841	2.15%	0.160%
11	10.075	1354	1358	1362	rBV2	24727	27324	1.84%	0.137%
12	10.422	1414	1417	1423	rVB2	41301	41476	2.80%	0.209%
13	10.580	1441	1444	1452	rVB	23389	25901	1.75%	0.130%
14	10.669	1455	1459	1465	rBV	648442	617308	41.67%	3.106%
15	10.792	1474	1480	1486	rVB6	15186	30956	2.09%	0.156%
16	10.974	1506	1511	1513	rBV2	22333	24149	1.63%	0.121%
17	11.098	1528	1532	1534	rBV4	18671	20261	1.37%	0.102%
18	11.127	1534	1537	1542	rVV	19128	25377	1.71%	0.128%
19	11.174	1542	1545	1548	rVV	39480	33518	2.26%	0.169%
20	11.216	1548	1552	1557	rVV3	20534	28980	1.96%	0.146%
21	11.263	1557	1560	1566	rVB	49087	47010	3.17%	0.236%
22	11.316	1566	1569	1574	rBV3	18790	21598	1.46%	0.109%
23	11.369	1574	1578	1580	rBV	479962	422338	28.51%	2.125%
24	11.392	1580	1582	1586	rVV	971745	785238	53.01%	3.950%
25	11.445	1588	1591	1594	rVV	143428	120020	8.10%	0.604%
26	11.480	1594	1597	1602	rVB3	14246	20319	1.37%	0.102%
27	11.604	1613	1618	1626	rBV2	49562	72684	4.91%	0.366%
28	11.663	1626	1628	1632	rVV2	30946	28712	1.94%	0.144%
29	11.704	1632	1635	1639	rVB3	24524	31394	2.12%	0.158%
30	11.874	1659	1664	1666	rBV	126017	132189	8.92%	0.665%
31	11.898	1666	1668	1672	rVV2	261404	243828	16.46%	1.227%
32	11.951	1674	1677	1679	rVV	38782	32626	2.20%	0.164%
33	11.986	1679	1683	1685	rVV	165319	173107	11.69%	0.871%
34	12.010	1685	1687	1693	rVB	78355	68916	4.65%	0.347%
35	12.169	1711	1714	1717	rBV	97006	83081	5.61%	0.418%
36	12.204	1717	1720	1724	rVB	129279	123218	8.32%	0.620%

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

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.351	1743	1745	1747	rVB	25952	18395	1.24%	0.093%
38	12.374	1747	1749	1752	rVB	26023	22711	1.53%	0.114%
39	12.427	1752	1758	1760	rBV	69377	78131	5.27%	0.393%
40	12.463	1760	1764	1766	rVV2	41188	47137	3.18%	0.237%
41	12.486	1766	1768	1770	rVB	26651	20477	1.38%	0.103%
42	12.516	1770	1773	1778	rBV2	85364	96363	6.51%	0.485%
43	12.598	1782	1787	1790	rBV	1518932	1481257	100.00%	7.452%
44	12.657	1795	1797	1800	rVB2	30150	25053	1.69%	0.126%
45	12.686	1800	1802	1805	rBV	46892	40993	2.77%	0.206%
46	12.745	1805	1812	1814	rBV2	48381	70184	4.74%	0.353%
47	12.827	1819	1826	1829	rVV	1303287	1388873	93.76%	6.987%
48	12.868	1831	1833	1838	rVB2	54684	61937	4.18%	0.312%
49	12.963	1846	1849	1852	rVB	815631	643372	43.43%	3.237%
50	13.045	1856	1863	1867	rBV3	82708	146926	9.92%	0.739%
51	13.127	1874	1877	1879	rBV3	73549	92156	6.22%	0.464%
52	13.151	1879	1881	1885	rVB	140507	123673	8.35%	0.622%
53	13.192	1885	1888	1890	rBV3	18166	23236	1.57%	0.117%
54	13.221	1890	1893	1895	rVV	66193	57871	3.91%	0.291%
55	13.257	1895	1899	1902	rVV2	117526	133556	9.02%	0.672%
56	13.310	1906	1908	1912	rBV	21893	21261	1.44%	0.107%
57	13.351	1912	1915	1917	rBV	64231	50414	3.40%	0.254%
58	13.380	1917	1920	1924	rBV2	65674	64938	4.38%	0.327%
59	13.539	1943	1947	1948	rBV4	26048	30473	2.06%	0.153%
60	13.639	1962	1964	1966	rBV2	19356	18089	1.22%	0.091%
61	13.668	1966	1969	1973	rVV	164306	147211	9.94%	0.741%
62	13.780	1983	1988	1990	rBV	162348	176515	11.92%	0.888%
63	13.804	1990	1992	1994	rVV	124055	101042	6.82%	0.508%
64	13.827	1994	1996	2002	rVV3	101493	169472	11.44%	0.853%
65	13.880	2002	2005	2008	rVV	159271	142383	9.61%	0.716%
66	13.951	2009	2017	2022	rVB	47044	98331	6.64%	0.495%
67	14.027	2022	2030	2033	rBV2	795926	1189257	80.29%	5.983%
68	14.063	2033	2036	2039	rVV	719853	701069	47.33%	3.527%
69	14.121	2043	2046	2047	rBV2	19941	19153	1.29%	0.096%
70	14.139	2047	2049	2051	rVV	83459	61499	4.15%	0.309%
71	14.186	2054	2057	2062	rVV4	58922	94794	6.40%	0.477%
72	14.251	2066	2068	2069	rVV	41850	39666	2.68%	0.200%
73	14.262	2069	2070	2073	rVB	57445	42198	2.85%	0.212%
74	14.298	2073	2076	2078	rBV4	29340	28038	1.89%	0.141%
75	14.351	2083	2085	2088	rVV2	23691	24569	1.66%	0.124%
76	14.386	2088	2091	2093	rVV	45785	55013	3.71%	0.277%

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77	14.421	2093	2097	2100	rVV	139342	162941	11.00%	0.820%
78	14.457	2100	2103	2107	rVV2	82028	141448	9.55%	0.712%
79	14.498	2107	2110	2112	rVV3	54277	80308	5.42%	0.404%
80	14.551	2116	2119	2120	rVV	82335	85451	5.77%	0.430%
81	14.568	2120	2122	2125	rVV2	75759	81257	5.49%	0.409%
82	14.621	2129	2131	2138	rVB2	42839	49154	3.32%	0.247%
83	14.745	2149	2152	2154	rBV3	34176	33283	2.25%	0.167%
84	14.815	2161	2164	2166	rBV3	23053	29989	2.02%	0.151%
85	14.927	2180	2183	2187	rBV2	57949	77806	5.25%	0.391%
86	14.962	2187	2189	2191	rVB2	35147	27983	1.89%	0.141%
87	14.992	2191	2194	2196	rBV4	19556	22271	1.50%	0.112%
88	15.098	2207	2212	2215	rBV	602727	937953	63.32%	4.719%
89	15.204	2227	2230	2234	rVB	80585	88513	5.98%	0.445%
90	15.298	2243	2246	2248	rBV3	26048	36500	2.46%	0.184%
91	15.409	2261	2265	2271	rVB	329088	423799	28.61%	2.132%
92	15.480	2272	2277	2282	rVV	448508	545957	36.86%	2.747%
93	15.539	2283	2287	2290	rVV	232075	305038	20.59%	1.535%
94	15.574	2290	2293	2301	rVB2	110221	170390	11.50%	0.857%
95	16.127	2384	2387	2393	rVB4	23192	34090	2.30%	0.172%
96	17.092	2545	2551	2560	rVB2	176139	362140	24.45%	1.822%
97	17.274	2576	2582	2588	rBV3	29936	77882	5.26%	0.392%
98	17.339	2588	2593	2599	rVV4	24340	56799	3.83%	0.286%
99	17.556	2624	2630	2646	rVB2	127765	286157	19.32%	1.440%
100	17.815	2670	2674	2681	rBV2	24862	57672	3.89%	0.290%

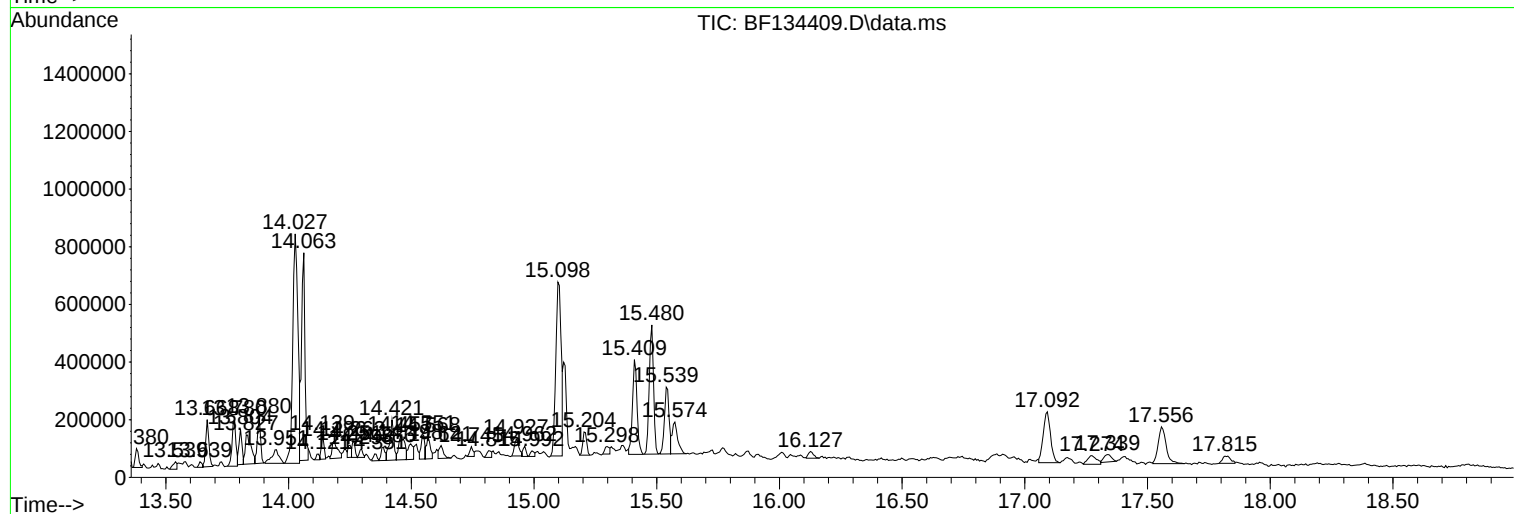
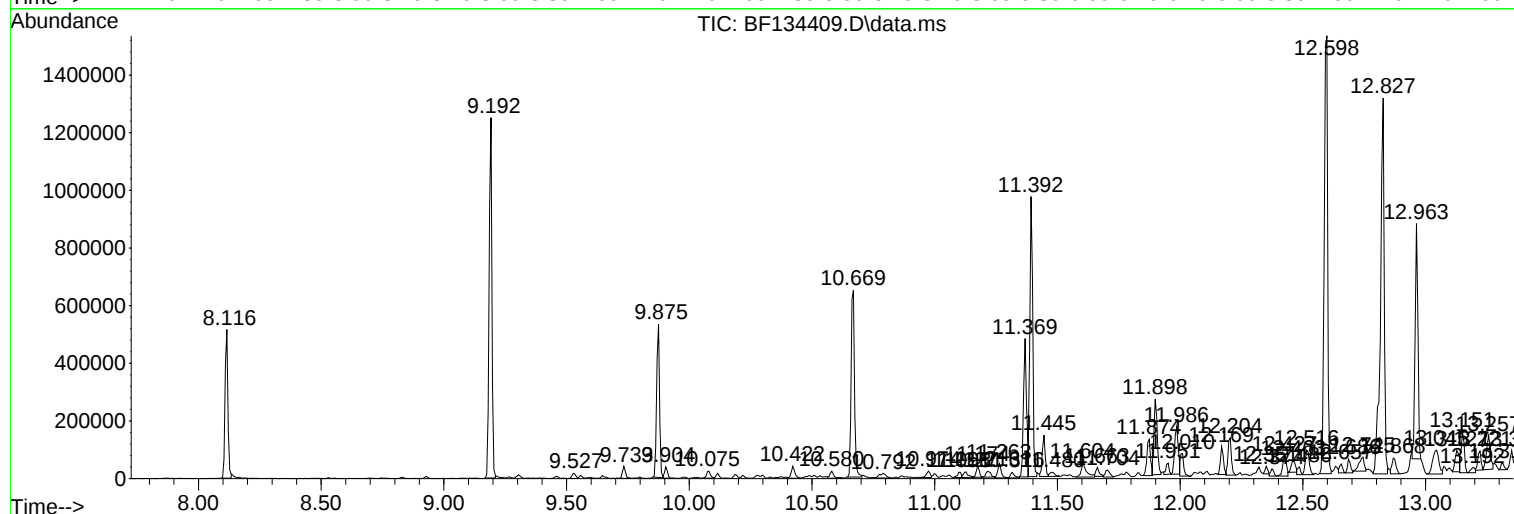
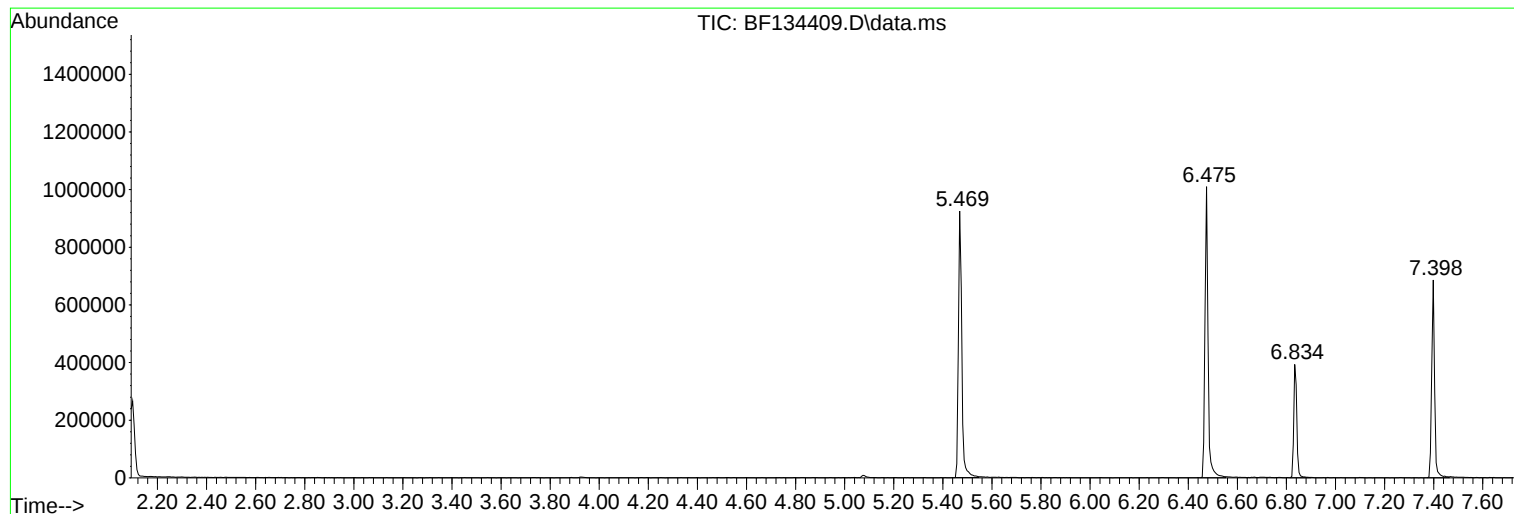
Sum of corrected areas: 19877460

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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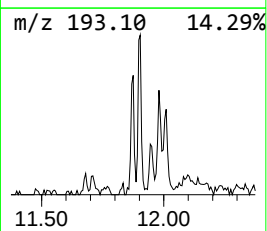
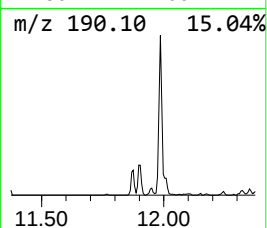
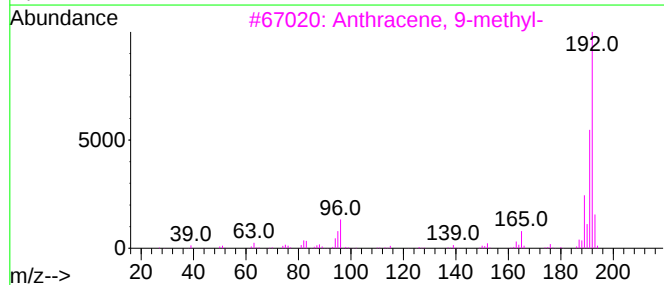
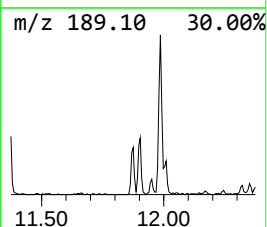
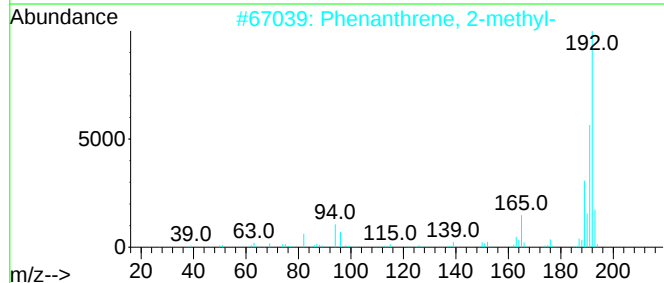
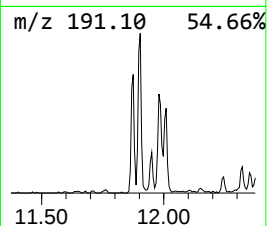
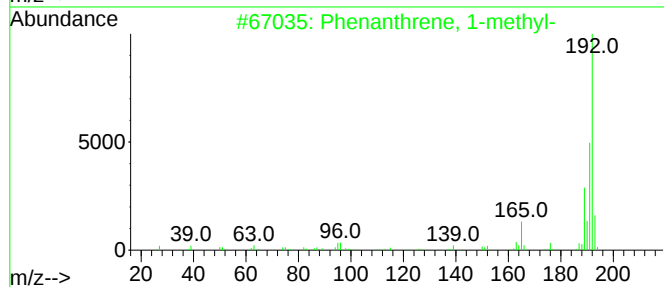
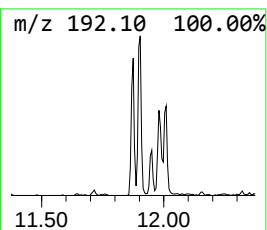
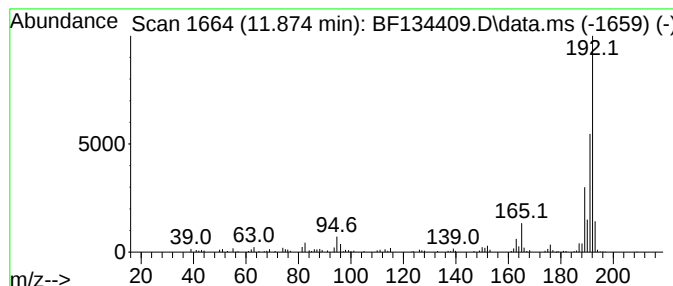
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	6.26 ng	132189	Phenanthrene-d10	11.369

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93



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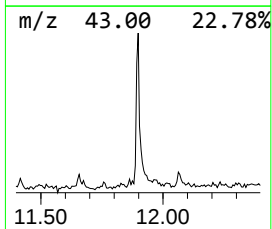
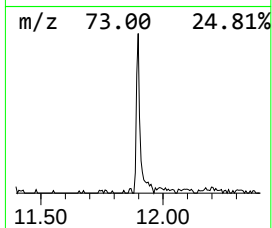
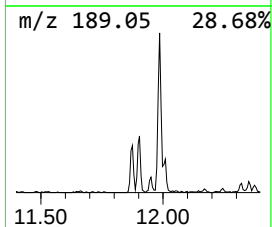
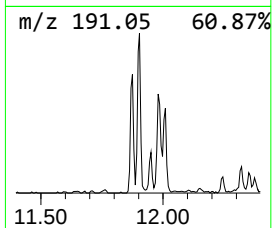
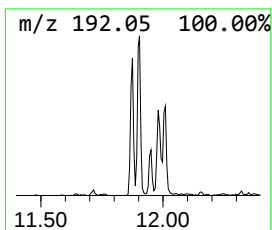
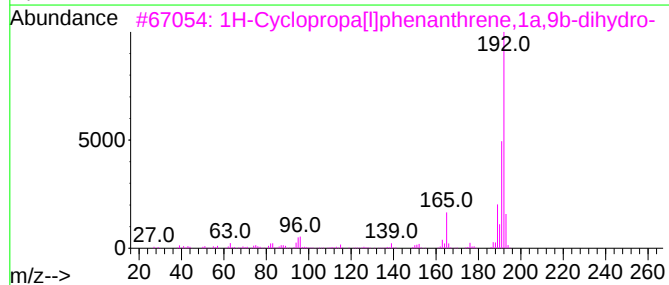
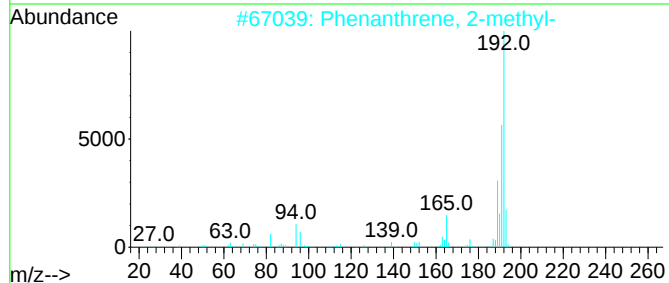
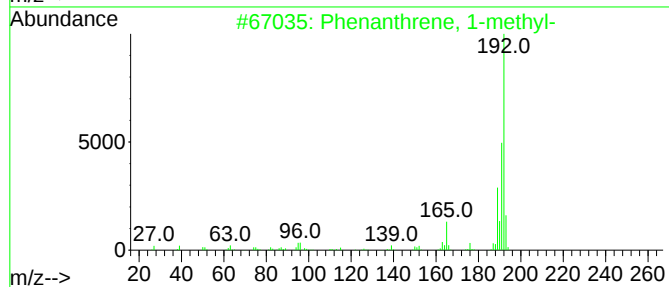
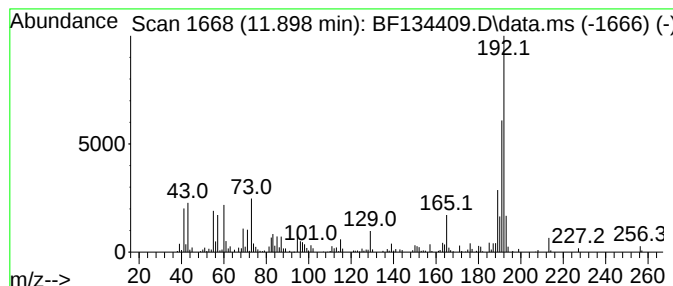
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	11.55 ng	243828	Phenanthrene-d10	11.369

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	83



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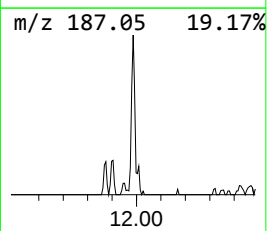
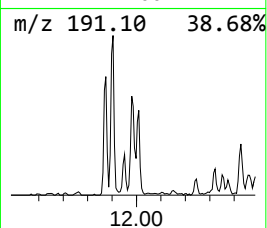
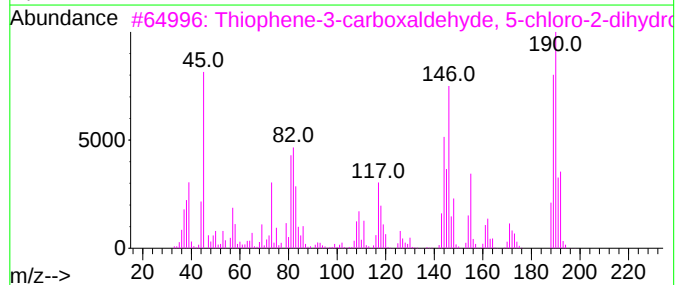
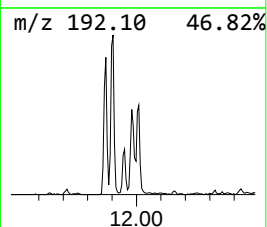
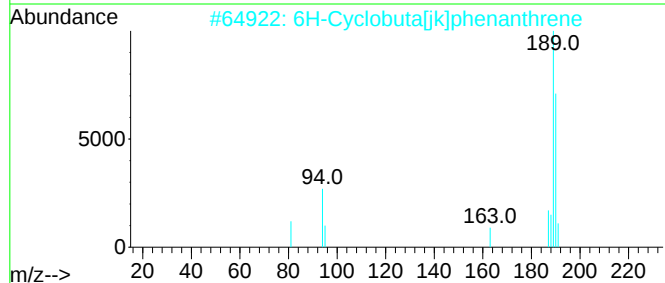
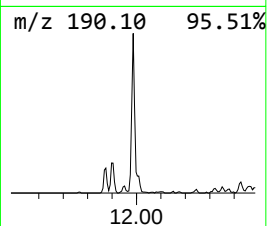
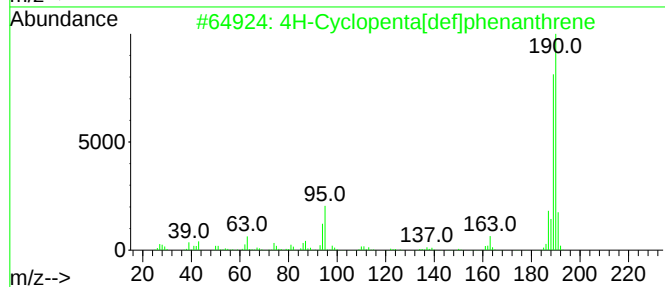
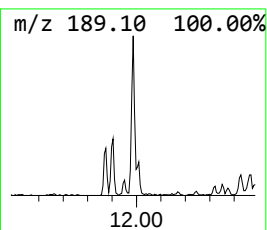
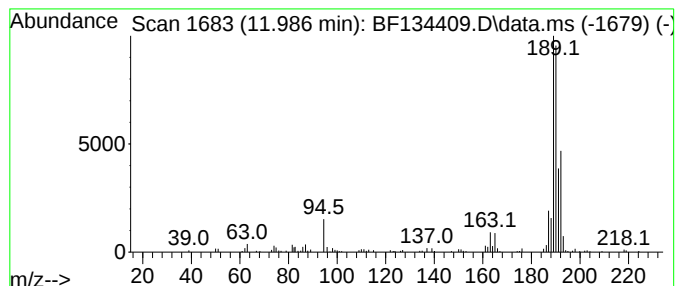
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.986	8.20 ng	173107	Phenanthrene-d10		11.369	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	58
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	4,6-Dichloro-2-ethylpyrimidin-5-...		191	C6H7Cl2N3	006237-96-3	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
Operator : CG\JU
Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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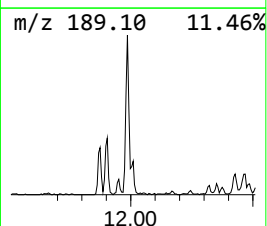
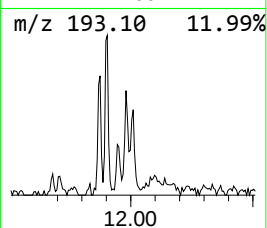
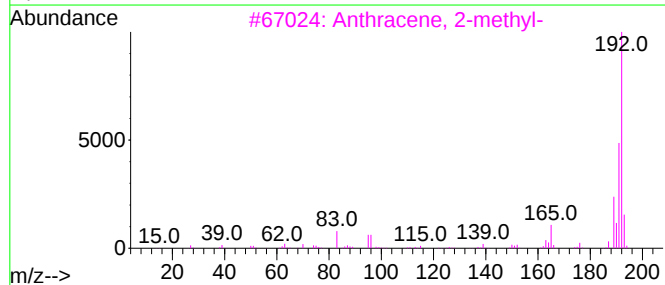
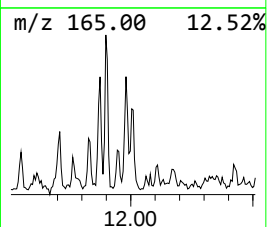
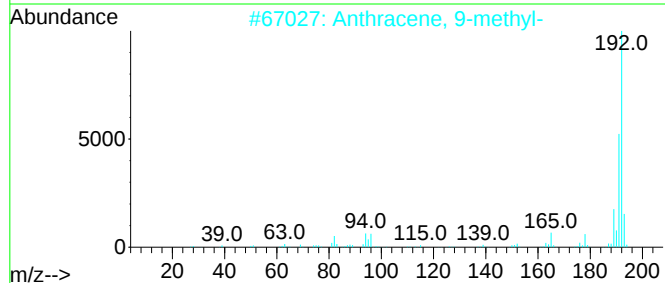
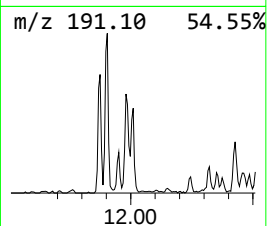
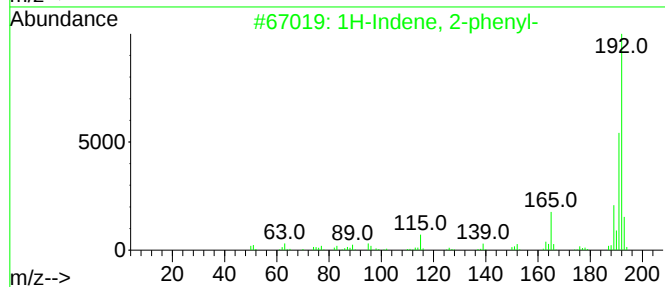
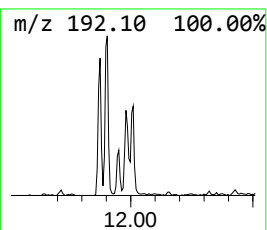
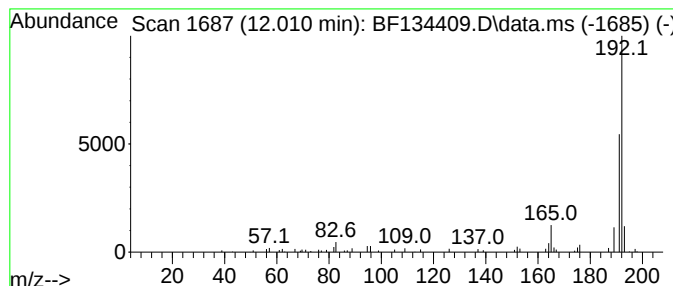
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	3.26 ng	68916	Phenanthrene-d10	11.369

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
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Misc :
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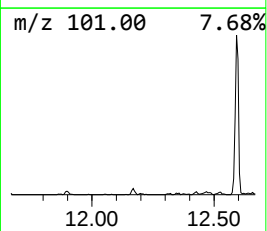
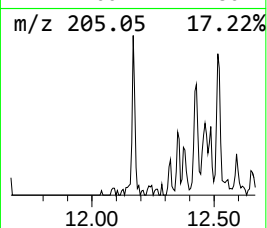
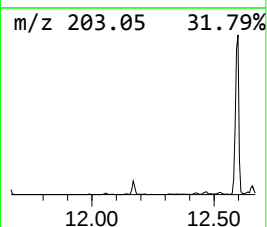
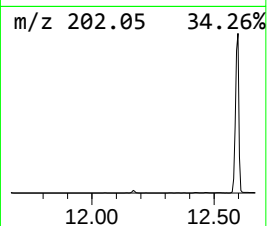
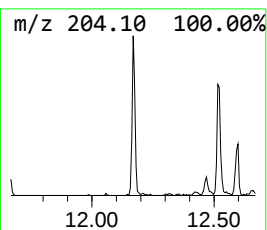
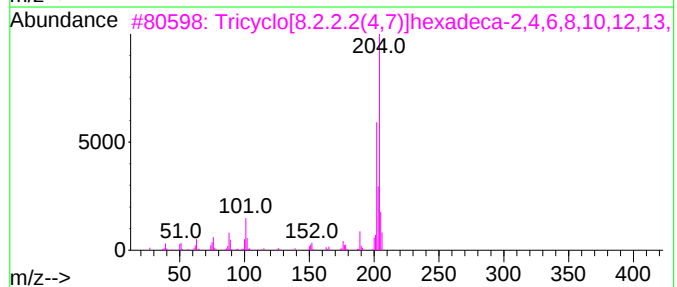
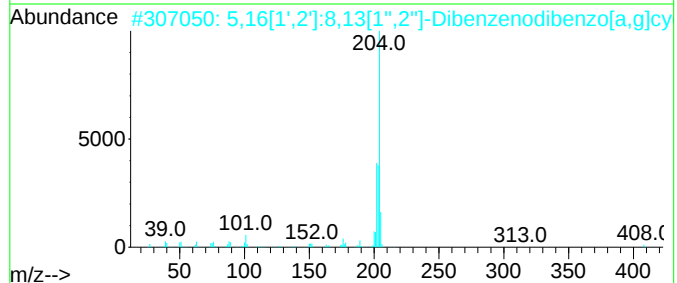
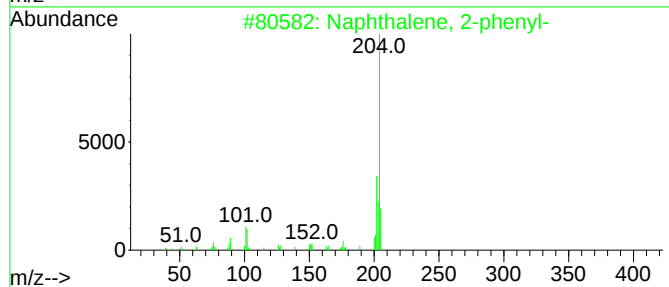
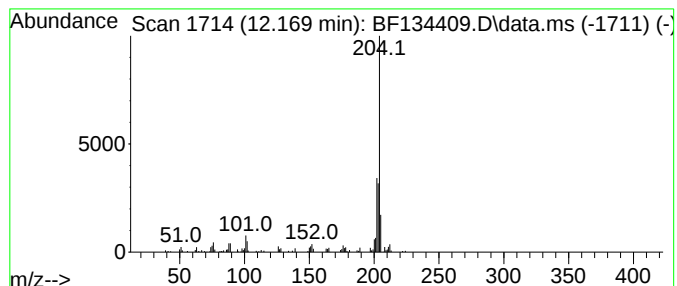
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	3.93 ng	83081	Phenanthrene-d10	11.369

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
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Sample : 03639-01
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ClientSampleId :
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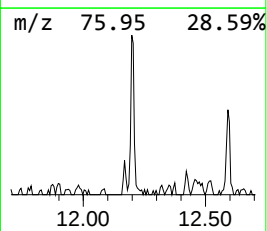
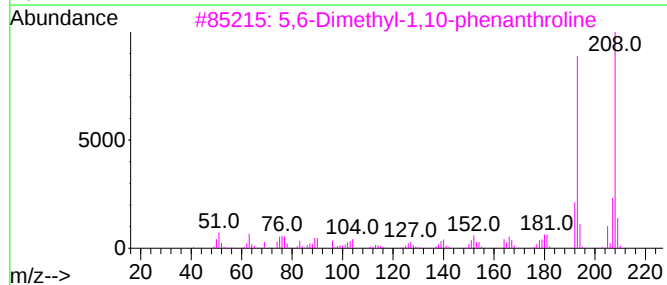
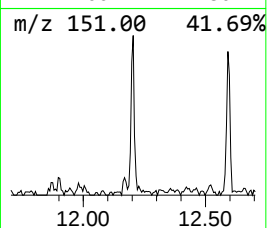
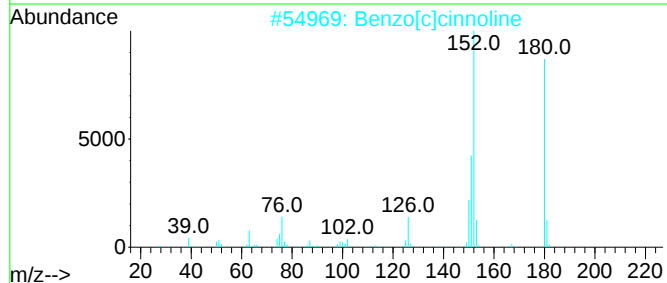
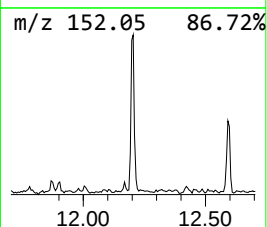
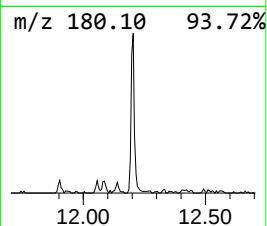
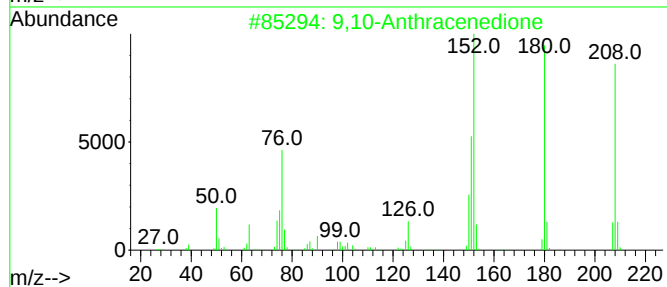
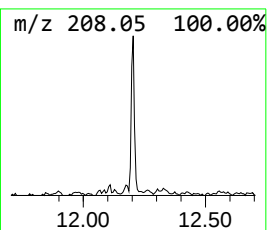
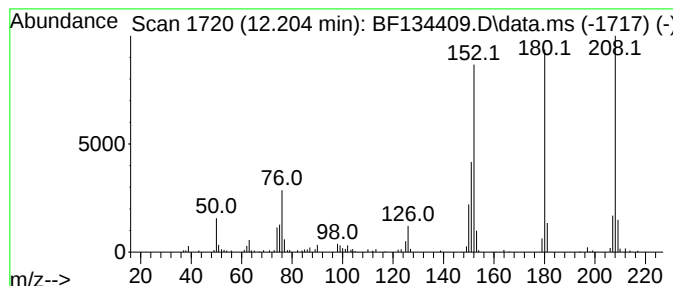
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	5.84 ng	123218	Phenanthrene-d10	11.369

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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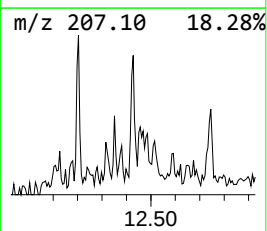
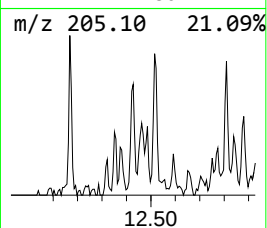
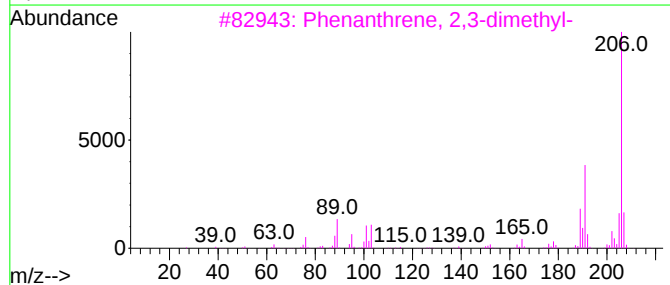
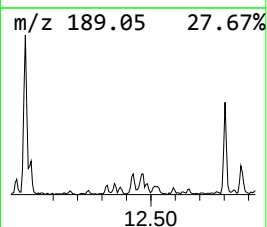
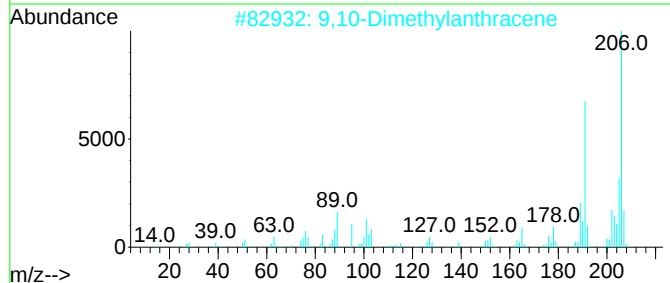
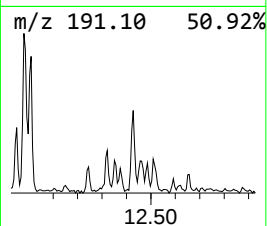
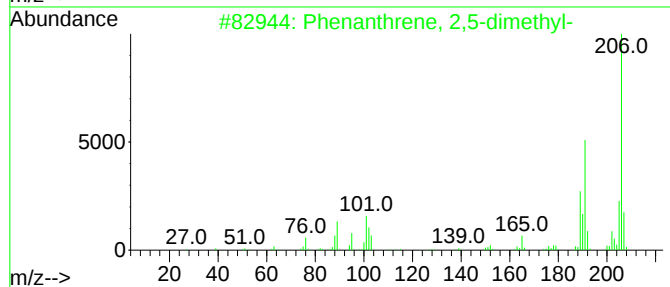
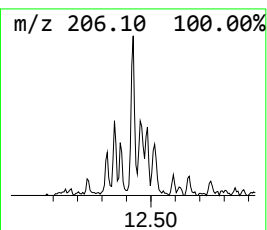
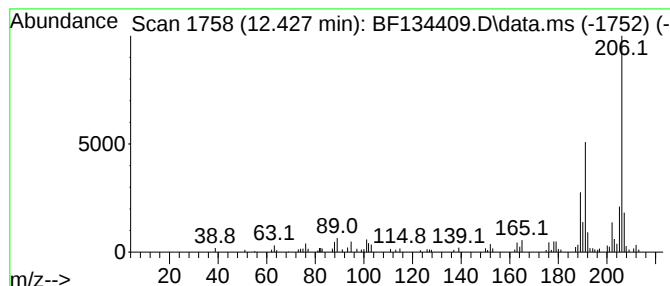
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.70 ng	78131	Phenanthrene-d10	11.369

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
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Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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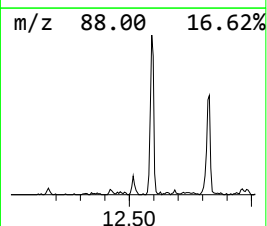
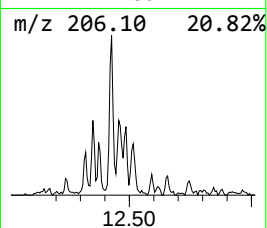
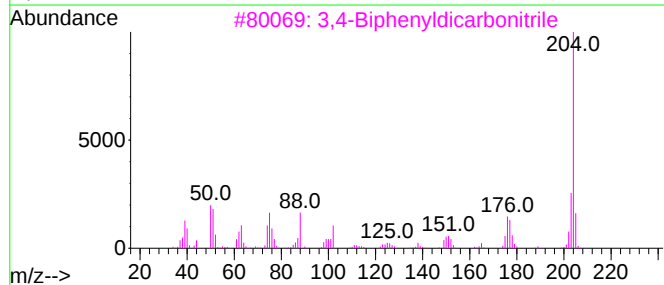
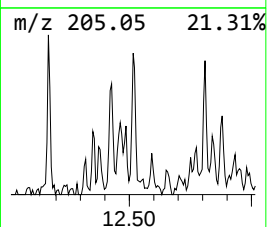
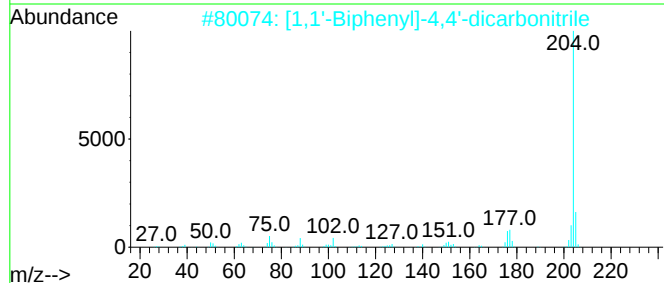
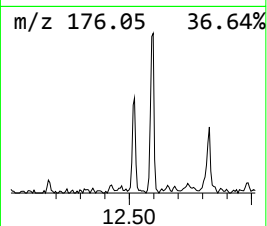
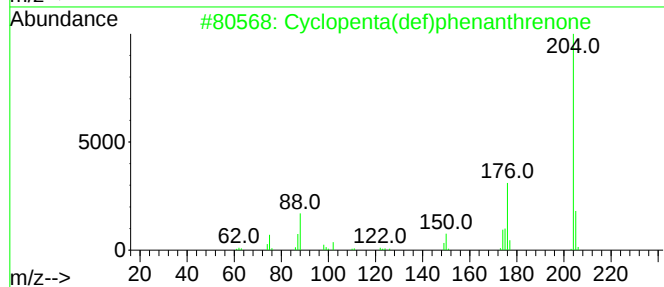
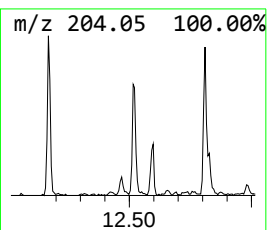
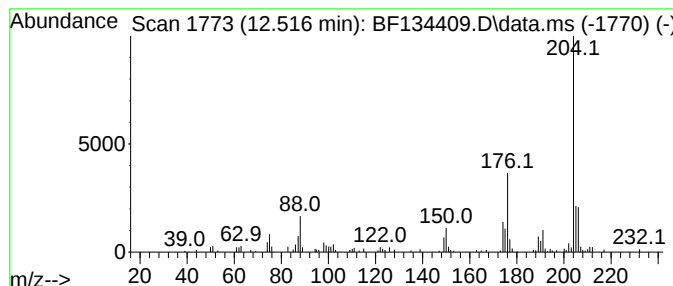
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.515	4.56 ng	96363	Phenanthrene-d10	11.369

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5			.alpha.-L-Galactopyranoside, met...	394	C16H38O5Si3	056271-60-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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ClientSampleId :
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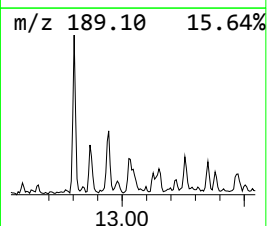
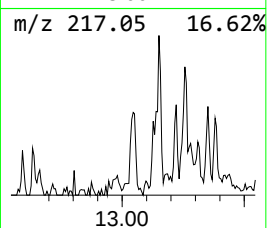
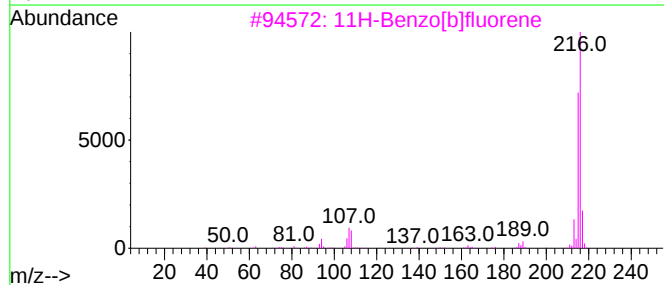
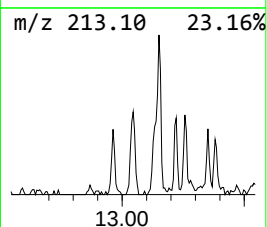
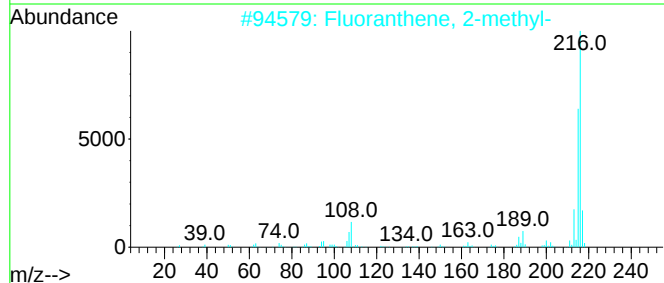
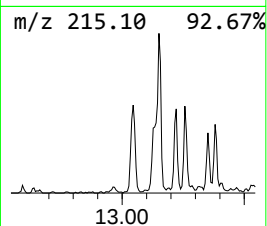
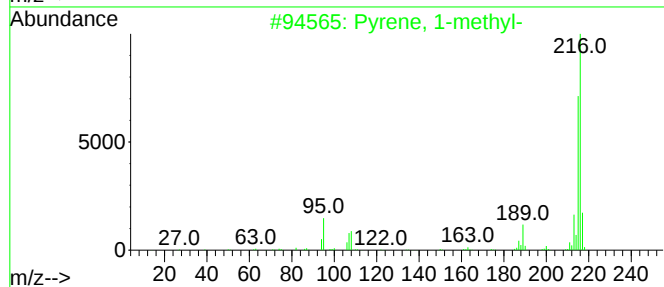
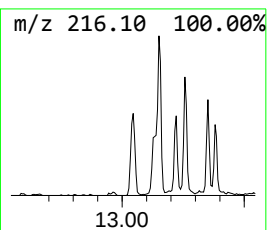
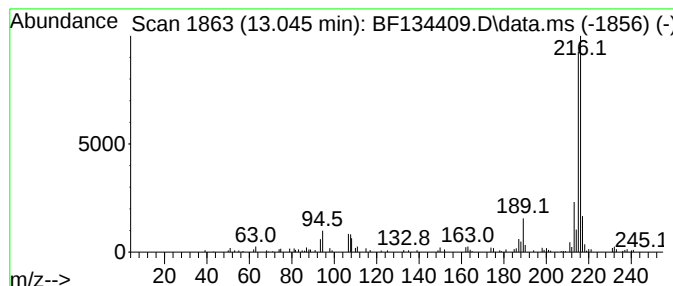
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	2.47 ng	146926	Chrysene-d12	14.033

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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ALS Vial : 19 Sample Multiplier: 1

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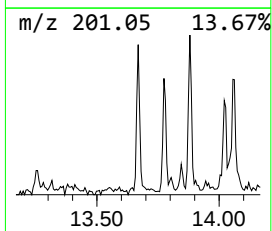
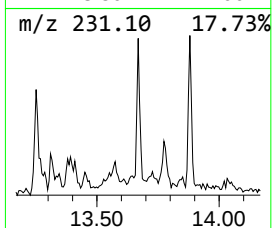
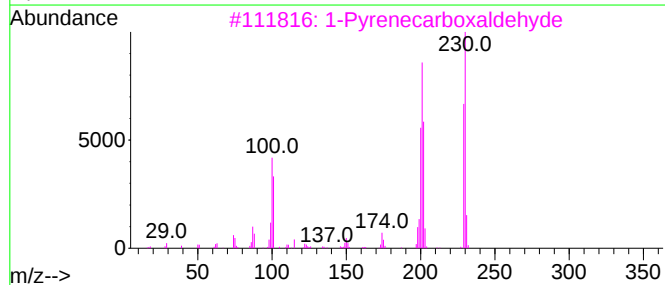
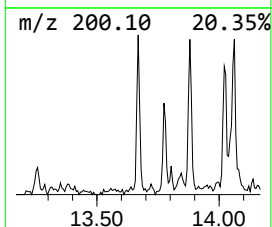
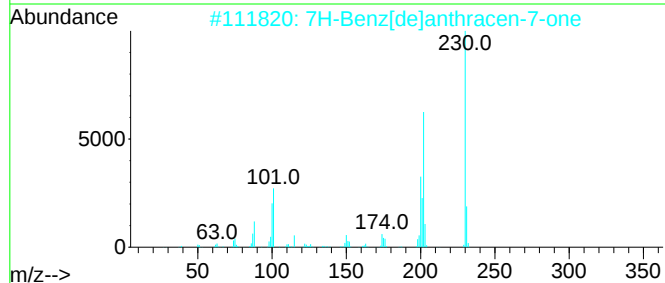
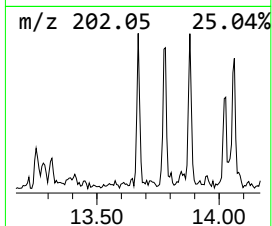
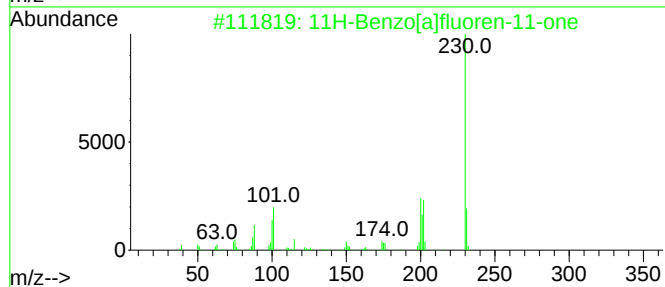
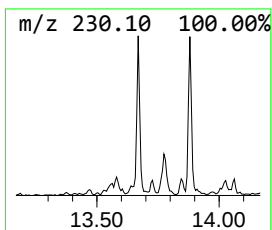
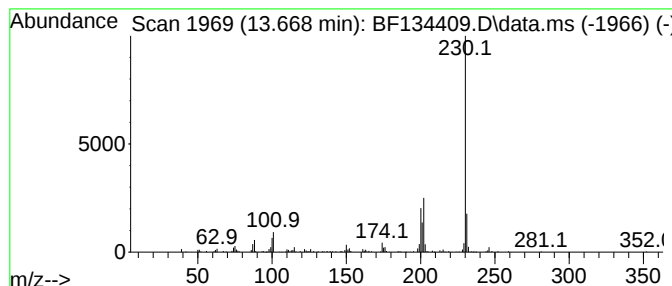
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.668	2.48 ng	147211	Chrysene-d12	14.033

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5		o-Terphenyl	230	C18H14	000084-15-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
Operator : CG\JU
Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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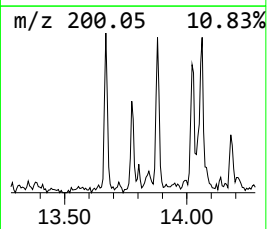
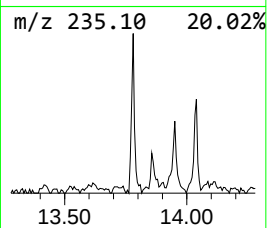
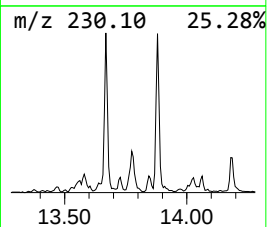
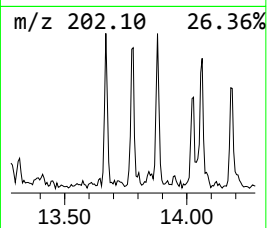
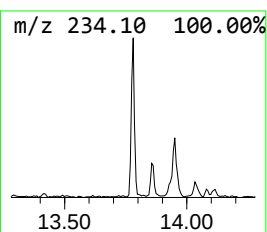
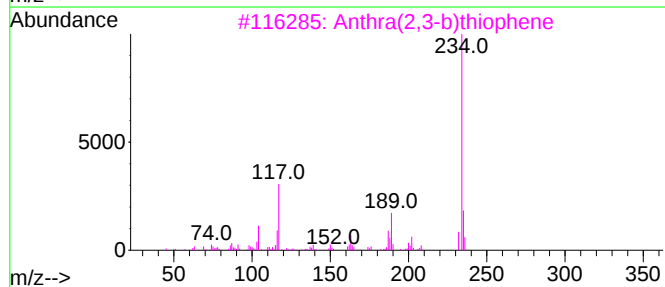
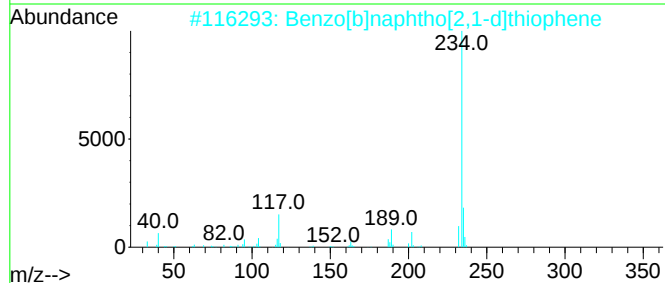
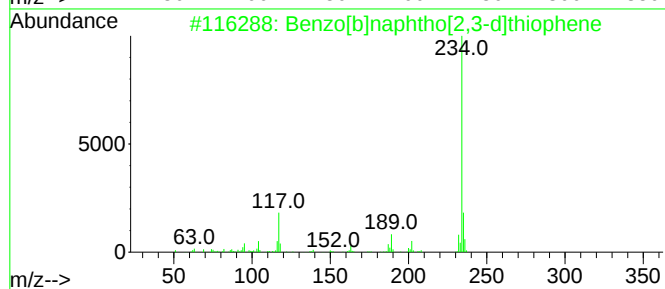
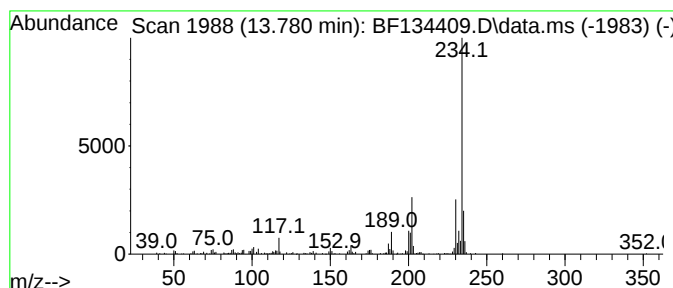
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.780	2.97 ng	176515	Chrysene-d12	14.033

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
2			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
3			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	62
4			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
5			Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
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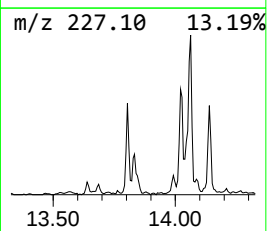
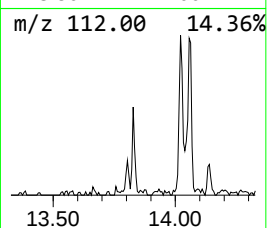
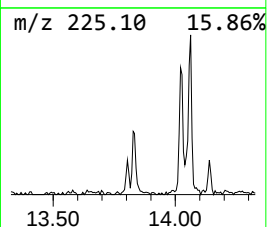
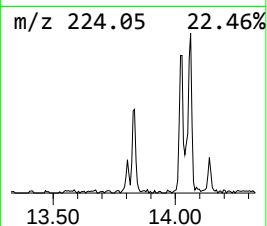
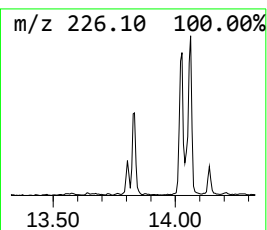
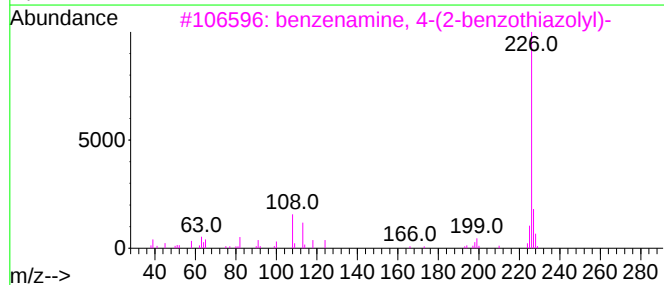
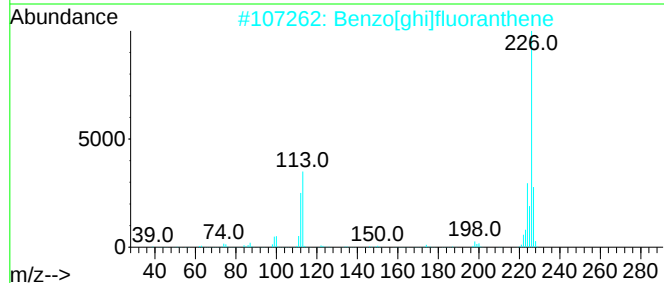
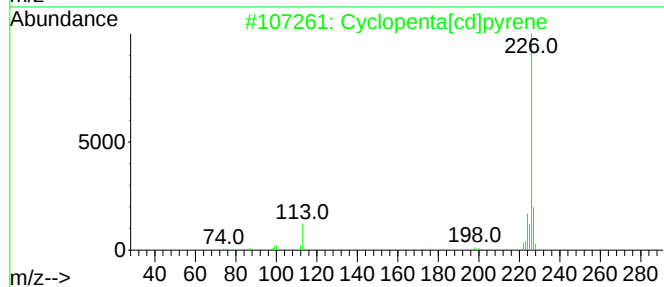
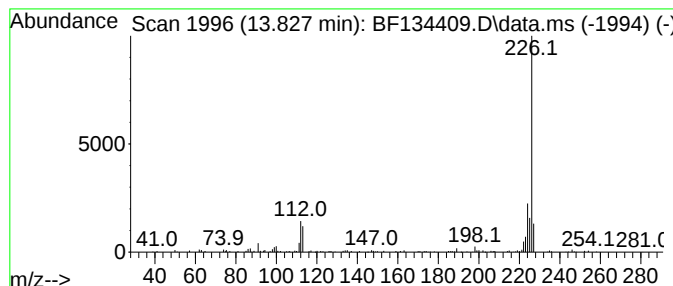
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	2.85 ng	169472	Chrysene-d12	14.033

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2			Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
3			benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	64
4			1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
5			.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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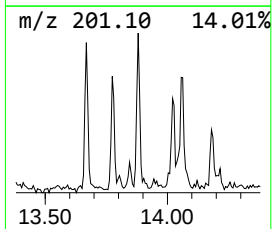
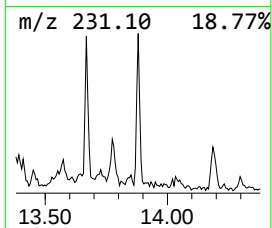
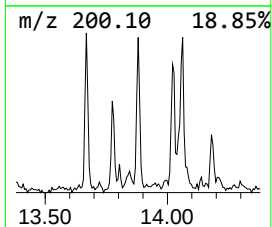
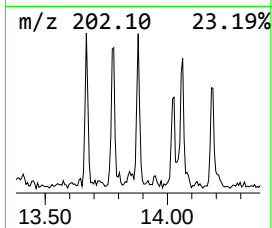
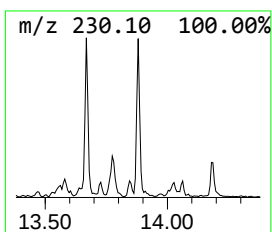
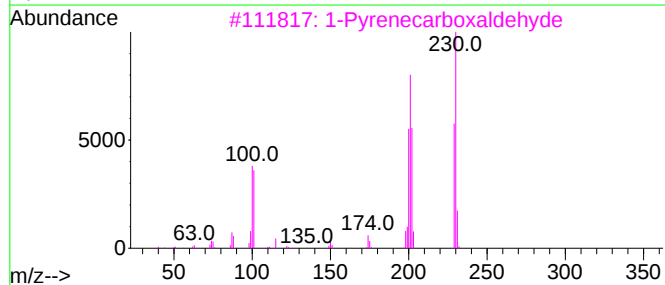
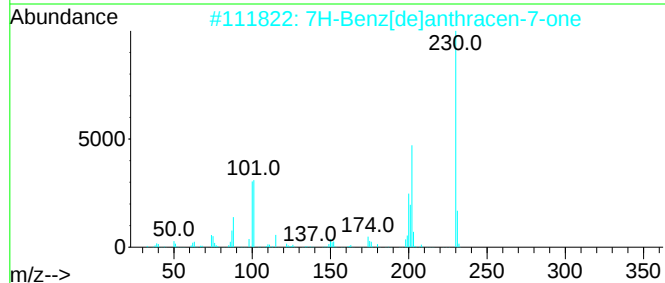
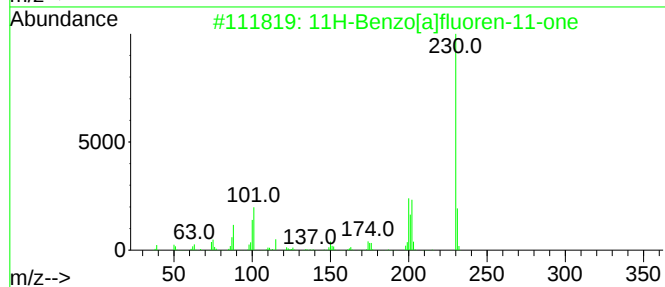
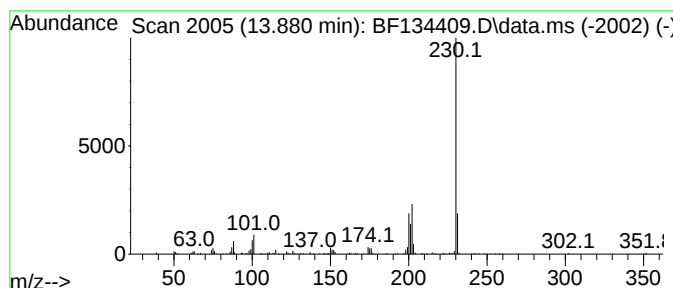
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.880	2.39 ng	142383	Chrysene-d12		14.033	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one		230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one		230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde		230	C17H10O	003029-19-4	72
4	o-Terphenyl		230	C18H14	000084-15-1	59
5	m-Terphenyl		230	C18H14	000092-06-8	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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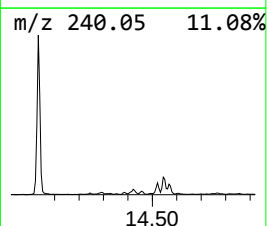
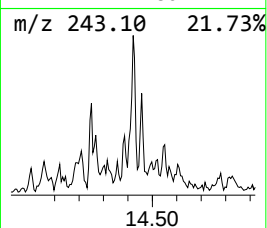
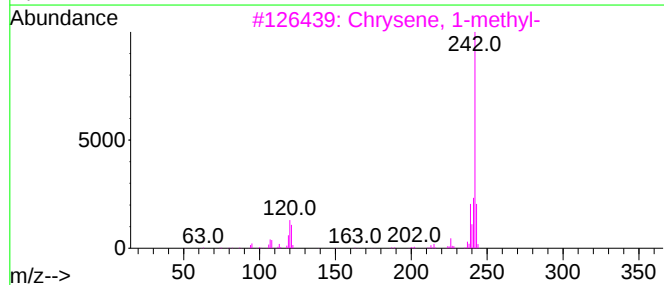
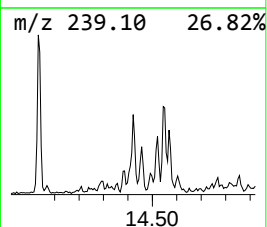
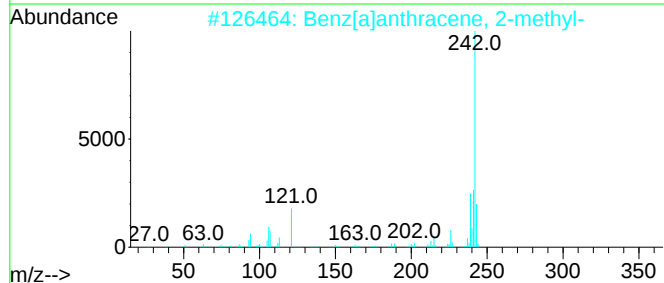
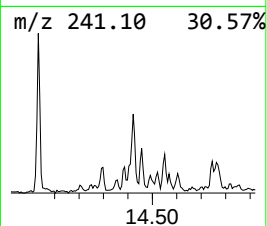
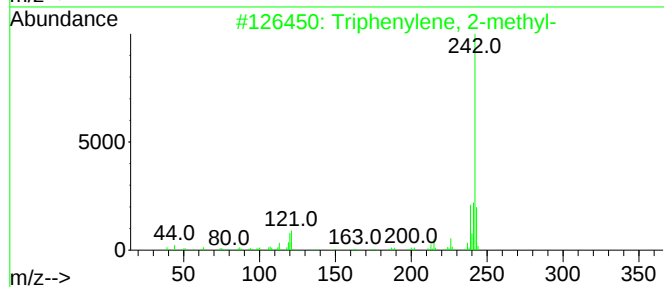
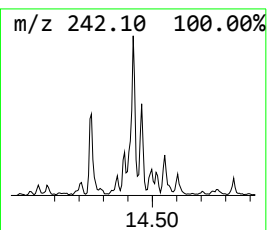
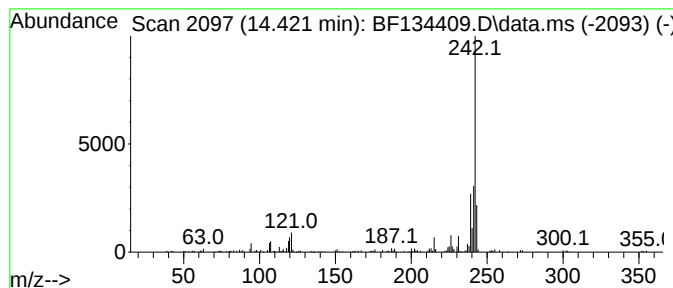
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.421	2.74 ng	162941	Chrysene-d12	14.033

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2			Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
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ClientSampleId :
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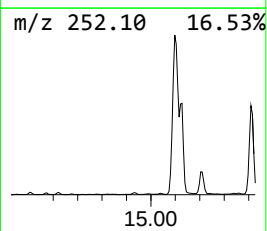
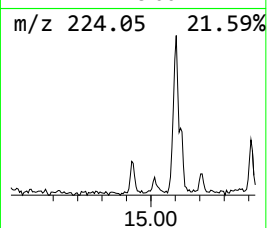
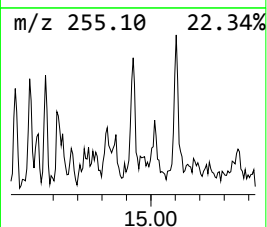
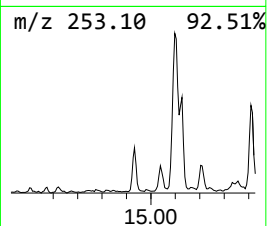
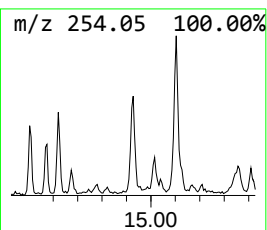
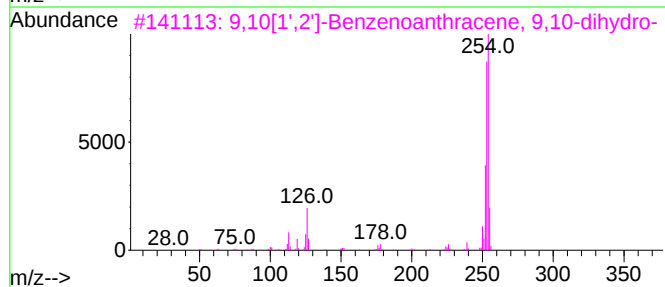
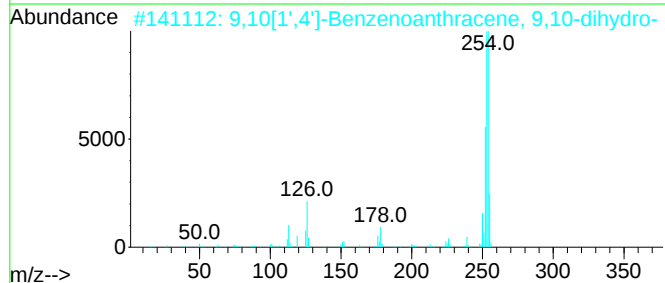
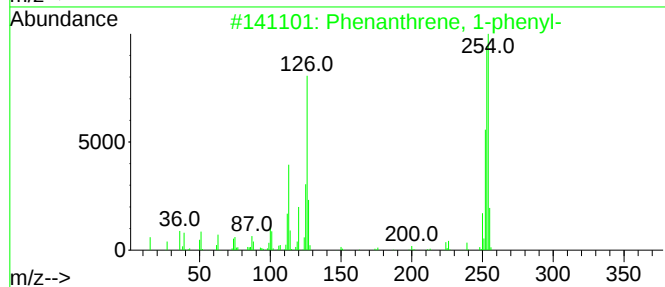
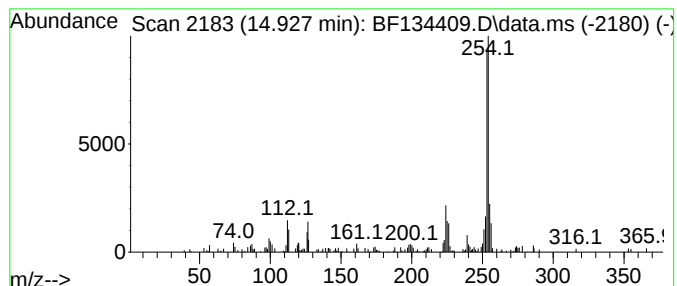
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.927	5.10 ng	77806	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-phenyl-	254	C20H14	004325-76-2	81
2			9,10[1',4']-Benzenoanthracene, 9...	254	C20H14	1000487-02-7	81
3			9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	81
4			Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	74
5			9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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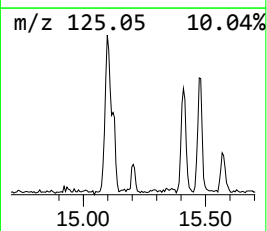
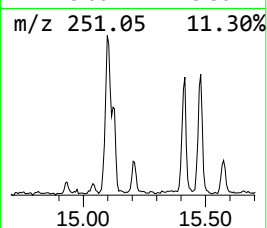
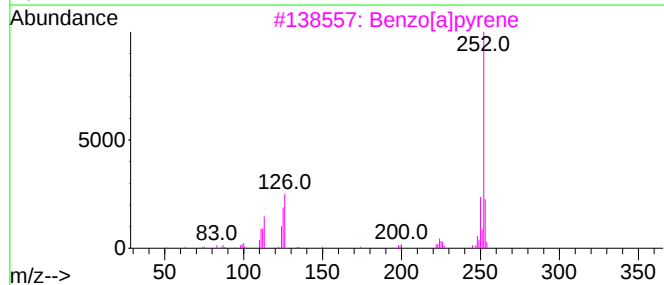
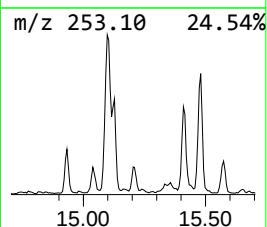
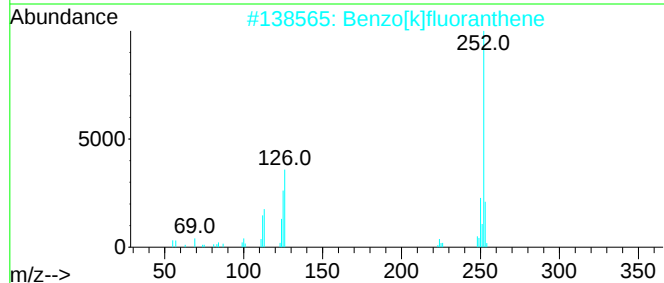
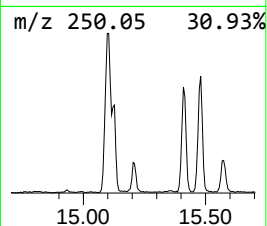
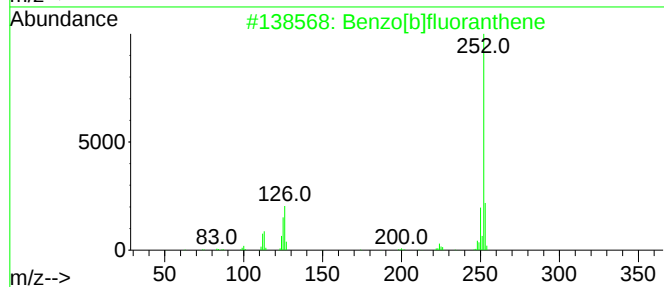
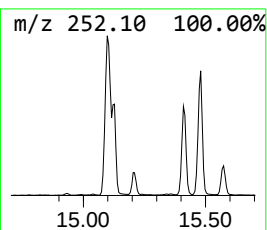
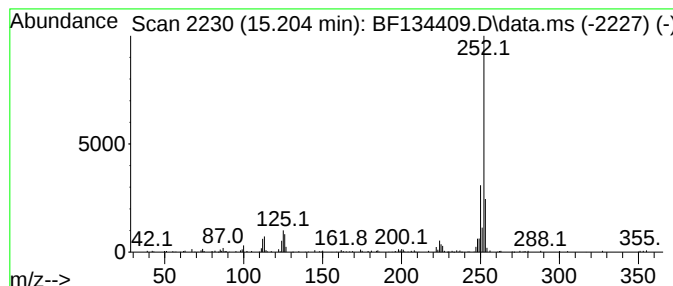
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	5.80 ng	88513	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3			Benzo[a]pyrene	252	C20H12	000050-32-8	90
4			Perylene	252	C20H12	000198-55-0	81
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	76



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Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
Operator : CG\JU
Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

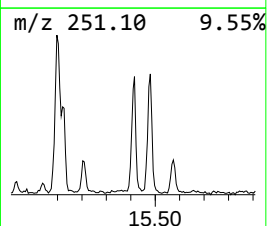
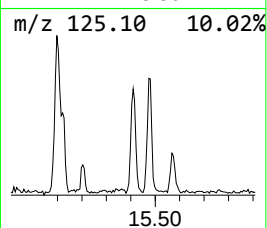
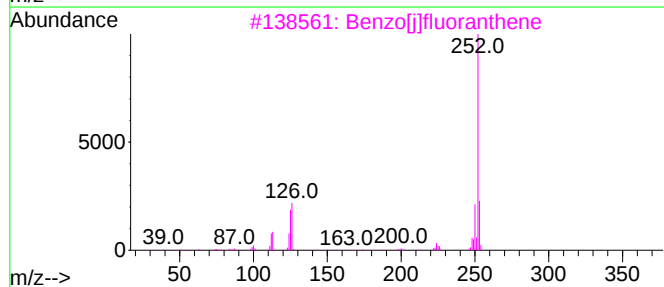
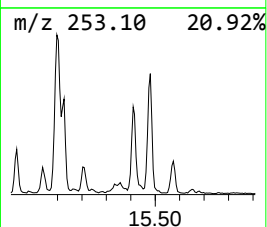
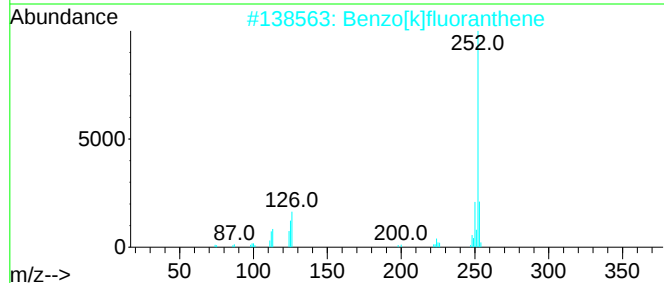
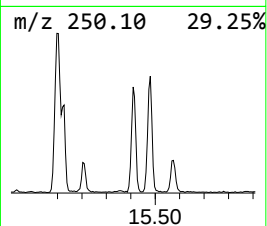
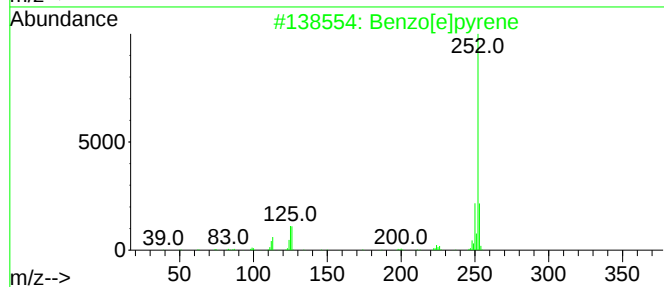
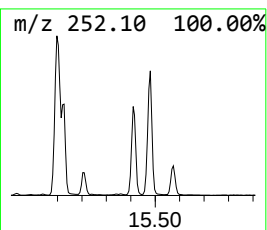
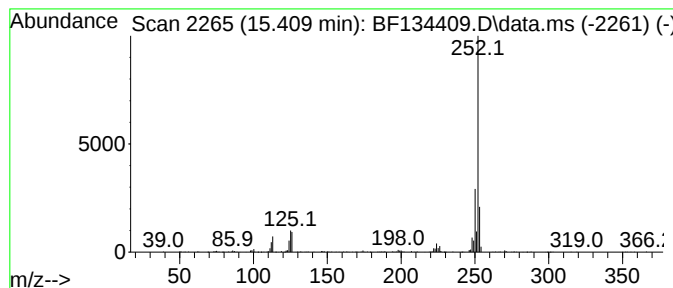
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	27.79 ng	423799	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4			Perylene	252	C20H12	000198-55-0	93
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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Acq On : 21 Jul 2023 19:36
Operator : CG\JU
Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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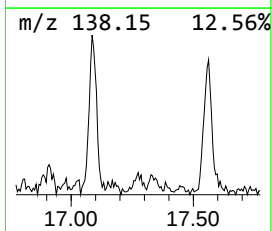
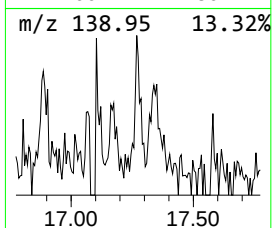
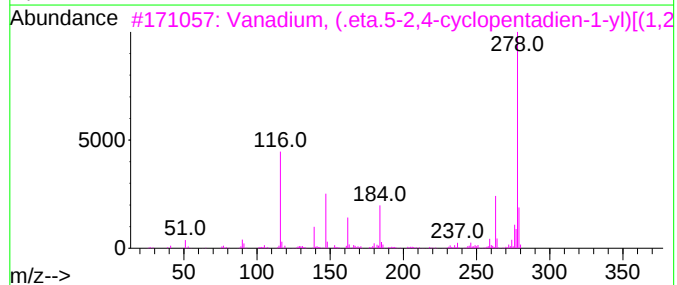
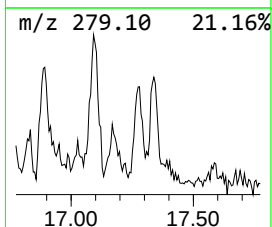
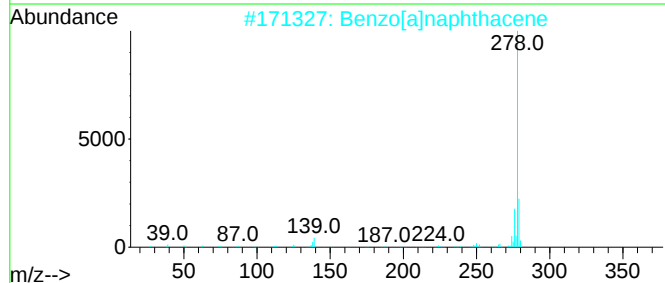
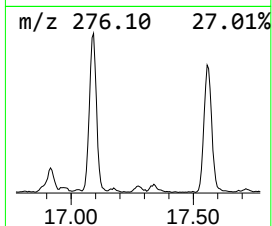
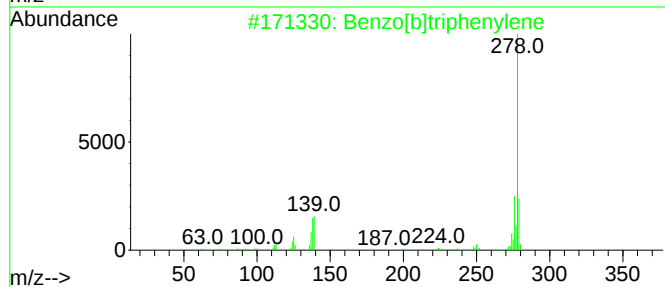
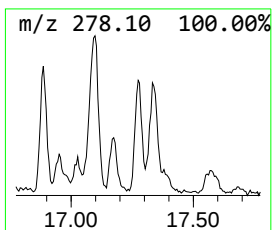
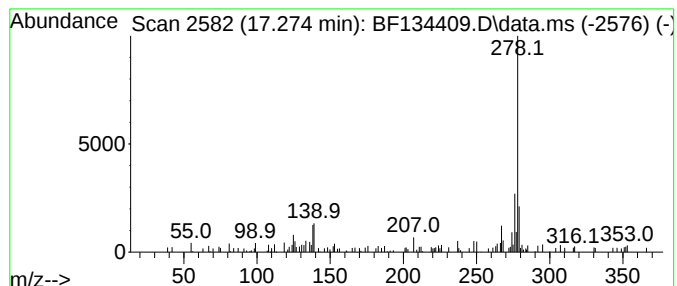
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.274	5.11 ng	77882	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	83
2			Benzo[a]naphthacene	278	C22H14	000226-88-0	76
3			Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	68
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	68
5			Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
Operator : CG\JU
Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

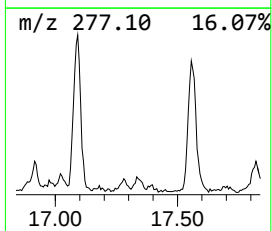
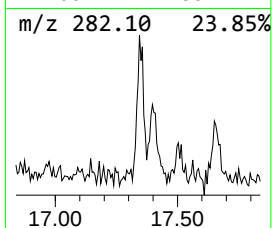
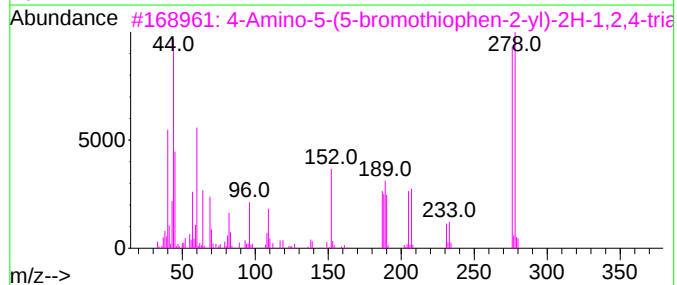
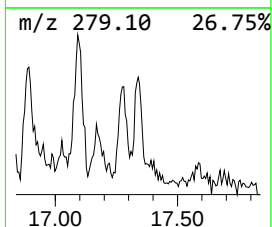
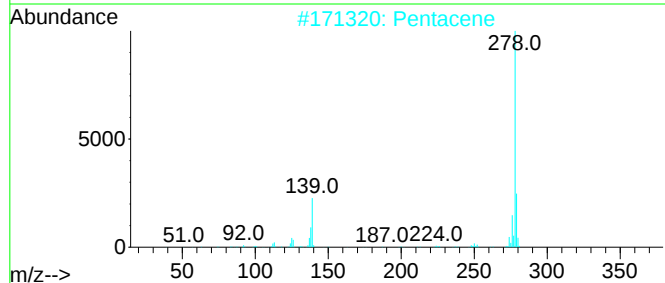
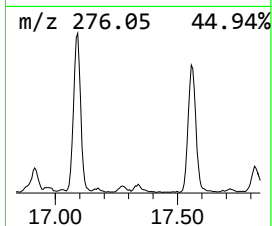
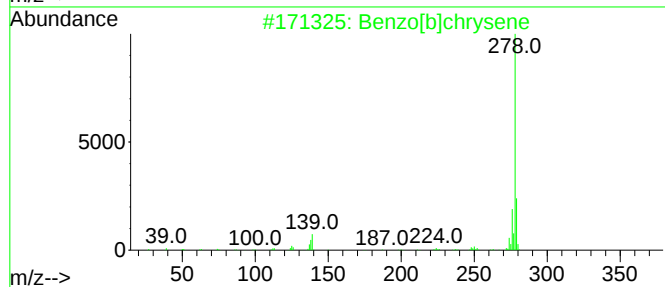
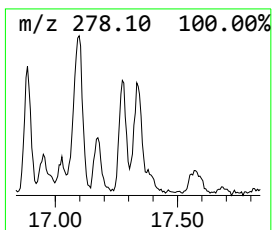
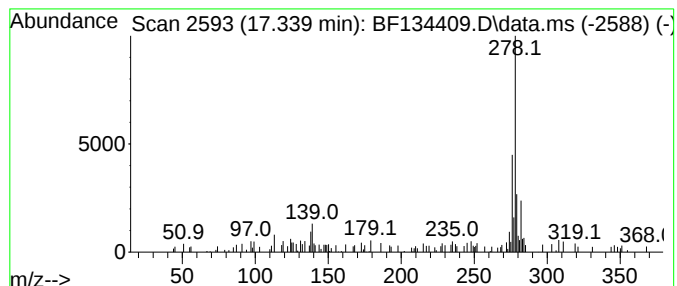
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.339	3.72 ng	56799	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]chrysene	278	C22H14	000214-17-5	55
2			Pentacene	278	C22H14	000135-48-8	49
3			4-Amino-5-(5-bromothiophen-2-yl)...	276	C6H5BrN4S2	1000387-62-6	49
4			Benzo[b]triphenylene	278	C22H14	000215-58-7	49
5			Picene	278	C22H14	000213-46-7	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134409.D
Acq On : 21 Jul 2023 19:36
Operator : CG\JU
Sample : 03639-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

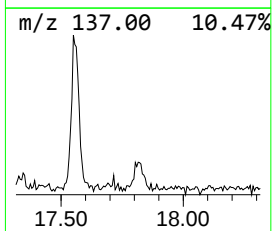
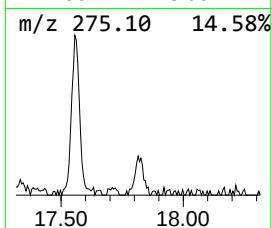
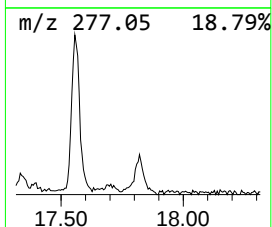
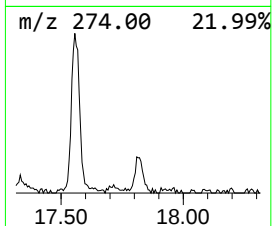
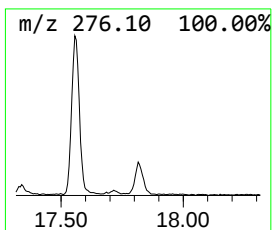
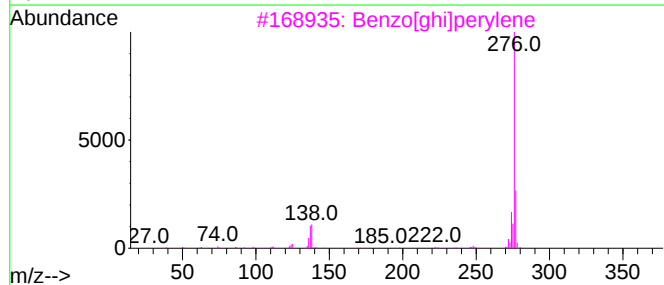
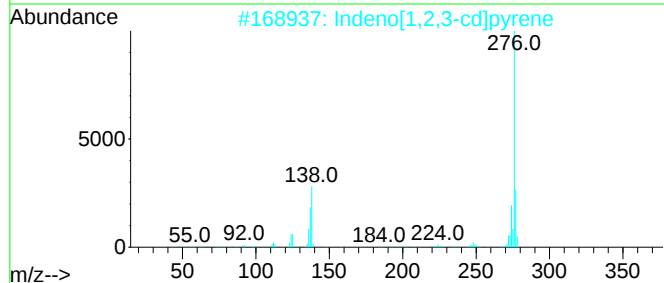
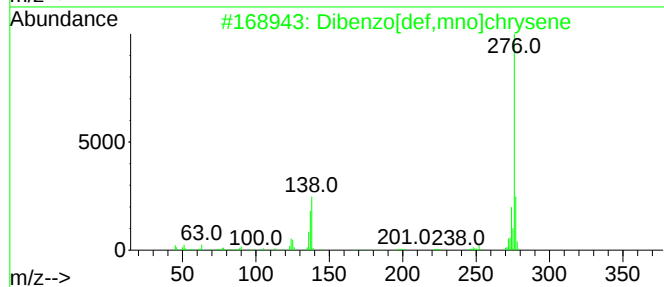
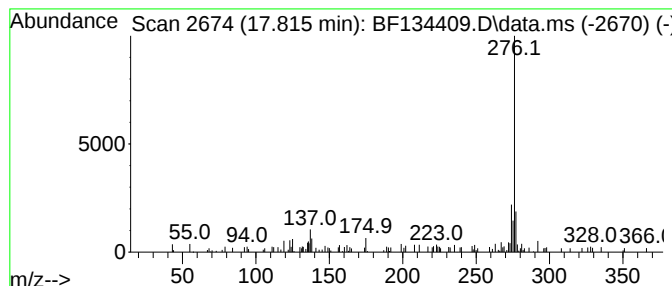
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.815	3.78 ng	57672	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	68
2			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	62
3			Benzo[ghi]perylene	276	C22H12	000191-24-2	58
4			6-Amino-3-methylanthrapyridine	276	C17H12N2O2	014642-72-9	58
5			Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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 Sample : 03639-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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
Phenanthrene, 1...	11.874	6.3	ng	132189	4	11.369	422338	20.0
Phenanthrene, 2...	11.898	11.6	ng	243828	4	11.369	422338	20.0
4H-Cyclopenta[d...	11.986	8.2	ng	173107	4	11.369	422338	20.0
1H-Indene, 2-ph...	12.010	3.3	ng	68916	4	11.369	422338	20.0
Naphthalene, 2-...	12.169	3.9	ng	83081	4	11.369	422338	20.0
9,10-Anthracene...	12.204	5.8	ng	123218	4	11.369	422338	20.0
Phenanthrene, 2...	12.427	3.7	ng	78131	4	11.369	422338	20.0
Cyclopenta(def)...	12.515	4.6	ng	96363	4	11.369	422338	20.0
Pyrene, 1-methyl-	13.045	2.5	ng	146926	5	14.033	1189260	20.0
11H-Benzo[a]flu...	13.668	2.5	ng	147211	5	14.033	1189260	20.0
Benzo[b]naphtho...	13.780	3.0	ng	176515	5	14.033	1189260	20.0
Cyclopenta[cd]p...	13.827	2.9	ng	169472	5	14.033	1189260	20.0
7H-Benz[de]anth...	13.880	2.4	ng	142383	5	14.033	1189260	20.0
Triphenylene, 2...	14.421	2.7	ng	162941	5	14.033	1189260	20.0
Phenanthrene, 1...	14.927	5.1	ng	77806	6	15.545	305038	20.0
Benzo[b]fluoran...	15.204	5.8	ng	88513	6	15.545	305038	20.0
Benzo[e]pyrene	15.410	27.8	ng	423799	6	15.545	305038	20.0
Benzo[b]triphen...	17.274	5.1	ng	77882	6	15.545	305038	20.0
Benzo[b]chrysene	17.339	3.7	ng	56799	6	15.545	305038	20.0
Dibenzo[def,mno...	17.815	3.8	ng	57672	6	15.545	305038	20.0