

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134404.D
 Acq On : 21 Jul 2023 16:44
 Operator : CG\JU
 Sample : 03640-31
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP11

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: BF134404.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	591	rBV	1020450	1044936	21.92%	1.736%
2	6.475	742	746	754	rBV	1178839	1048785	22.00%	1.742%
3	6.834	804	807	815	rBV	488812	409030	8.58%	0.680%
4	7.398	899	903	906	rBV	858177	666156	13.98%	1.107%
5	8.116	1021	1025	1027	rBV	647724	553751	11.62%	0.920%
6	8.134	1027	1028	1032	rVB	514522	394655	8.28%	0.656%
7	8.828	1143	1146	1149	rBV	476271	353445	7.42%	0.587%
8	8.928	1158	1163	1166	rBV	383074	311122	6.53%	0.517%
9	9.192	1204	1208	1211	rBV	1554117	1212954	25.45%	2.015%
10	9.457	1248	1253	1257	rBV2	187358	245810	5.16%	0.408%
11	9.528	1262	1265	1268	rBV	341607	351574	7.38%	0.584%
12	9.557	1268	1270	1274	rVB	220165	169811	3.56%	0.282%
13	9.645	1282	1285	1291	rBV	171988	193259	4.05%	0.321%
14	9.733	1297	1300	1304	rVB	377002	299591	6.29%	0.498%
15	9.875	1321	1324	1326	rVV	666789	550757	11.56%	0.915%
16	9.904	1326	1329	1332	rVB	347587	279785	5.87%	0.465%
17	10.075	1354	1358	1362	rVV2	378899	405084	8.50%	0.673%
18	10.116	1362	1365	1368	rVB	167425	137740	2.89%	0.229%
19	10.186	1374	1377	1380	rBV2	147922	155236	3.26%	0.258%
20	10.216	1380	1382	1389	rVB	115888	115274	2.42%	0.191%
21	10.281	1389	1393	1395	rBV	108831	147587	3.10%	0.245%
22	10.422	1414	1417	1423	rVB	603249	585709	12.29%	0.973%
23	10.580	1441	1444	1448	rVB	203443	185069	3.88%	0.307%
24	10.669	1455	1459	1462	rBV	1042738	950081	19.93%	1.578%
25	10.786	1474	1479	1485	rVB3	98964	152360	3.20%	0.253%
26	10.975	1506	1511	1513	rBV2	206910	229993	4.83%	0.382%
27	11.004	1513	1516	1518	rVV2	121267	114110	2.39%	0.190%
28	11.104	1528	1533	1535	rBV2	117490	166358	3.49%	0.276%
29	11.128	1535	1537	1539	rVV	120926	116928	2.45%	0.194%
30	11.175	1542	1545	1549	rVV	263723	243877	5.12%	0.405%
31	11.216	1549	1552	1557	rVV2	126907	174903	3.67%	0.291%
32	11.263	1557	1560	1567	rVB	376668	345348	7.25%	0.574%
33	11.369	1572	1578	1580	rBV	479710	557574	11.70%	0.926%
34	11.410	1580	1585	1587	rVV	3806204	4421754	92.77%	7.346%
35	11.451	1587	1592	1594	rVV	1253324	989544	20.76%	1.644%
36	11.604	1613	1618	1625	rBV	298010	386057	8.10%	0.641%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.663	1625	1628	1631	rVV2	162538	150217	3.15%	0.250%
38	11.704	1632	1635	1639	rVB3	197029	219483	4.60%	0.365%
39	11.786	1643	1649	1653	rVB2	110696	162110	3.40%	0.269%
40	11.875	1660	1664	1666	rVV	835822	747417	15.68%	1.242%
41	11.904	1666	1669	1673	rVV	1161864	1027555	21.56%	1.707%
42	11.951	1673	1677	1680	rVV	321908	291822	6.12%	0.485%
43	11.986	1680	1683	1686	rVV2	1032764	1190732	24.98%	1.978%
44	12.010	1686	1687	1692	rVB	624373	418814	8.79%	0.696%
45	12.175	1711	1715	1717	rVV	466489	467823	9.82%	0.777%
46	12.204	1717	1720	1724	rVB	375138	340652	7.15%	0.566%
47	12.322	1734	1740	1743	rBV2	162492	223405	4.69%	0.371%
48	12.351	1743	1745	1747	rVV	201178	160446	3.37%	0.267%
49	12.374	1747	1749	1752	rVB2	121343	119377	2.50%	0.198%
50	12.427	1752	1758	1761	rBV	458818	498679	10.46%	0.828%
51	12.463	1761	1764	1767	rVV2	264450	364345	7.64%	0.605%
52	12.527	1771	1775	1779	rBV2	360680	414838	8.70%	0.689%
53	12.610	1783	1789	1792	rBV	4107615	4766382	100.00%	7.918%
54	12.692	1800	1803	1806	rVB	161291	135806	2.85%	0.226%
55	12.745	1807	1812	1815	rBV2	233657	272482	5.72%	0.453%
56	12.839	1821	1828	1831	rBV2	3643463	4682124	98.23%	7.778%
57	12.874	1831	1834	1838	rVB2	249485	275258	5.77%	0.457%
58	12.945	1842	1846	1847	rBV	271629	252313	5.29%	0.419%
59	12.963	1847	1849	1857	rVB	928357	1066898	22.38%	1.772%
60	13.051	1857	1864	1867	rBV2	341347	604481	12.68%	1.004%
61	13.133	1874	1878	1879	rBV3	281210	318801	6.69%	0.530%
62	13.157	1879	1882	1885	rVB2	619966	579797	12.16%	0.963%
63	13.221	1890	1893	1896	rVV	330191	289073	6.06%	0.480%
64	13.263	1896	1900	1903	rVV2	472904	551935	11.58%	0.917%
65	13.357	1912	1916	1918	rBV	268228	257405	5.40%	0.428%
66	13.386	1918	1921	1924	rBV	312801	284864	5.98%	0.473%
67	13.674	1967	1970	1973	rVB	466536	411011	8.62%	0.683%
68	13.780	1983	1988	1991	rBV	503888	544835	11.43%	0.905%
69	13.810	1991	1993	1995	rVV	367769	275173	5.77%	0.457%
70	13.833	1995	1997	2003	rVV3	281624	366485	7.69%	0.609%
71	13.886	2003	2006	2009	rVB	457394	418553	8.78%	0.695%
72	13.951	2012	2017	2020	rBV	108792	142644	2.99%	0.237%
73	14.033	2023	2031	2034	rBV2	2166063	3127722	65.62%	5.196%
74	14.068	2034	2037	2044	rVB	1866694	2140702	44.91%	3.556%
75	14.145	2048	2050	2052	rBV	231204	163852	3.44%	0.272%
76	14.186	2054	2057	2060	rBV2	178883	202239	4.24%	0.336%

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77	14.268	2069	2071	2073	rVB	165698	123760	2.60%	0.206%
78	14.386	2089	2091	2093	rBV	169719	153224	3.21%	0.255%
79	14.427	2093	2098	2101	rVV	529380	562272	11.80%	0.934%
80	14.463	2101	2104	2108	rVV	259334	299660	6.29%	0.498%
81	14.504	2108	2111	2113	rVV3	142838	222648	4.67%	0.370%
82	14.521	2113	2114	2117	rVV	185498	156662	3.29%	0.260%
83	14.551	2117	2119	2121	rVV	287480	279001	5.85%	0.463%
84	14.574	2121	2123	2126	rVV	242825	231124	4.85%	0.384%
85	14.621	2129	2131	2137	rVB2	158022	178215	3.74%	0.296%
86	14.751	2150	2153	2162	rVB7	120519	263290	5.52%	0.437%
87	14.933	2181	2184	2188	rBV2	215934	252716	5.30%	0.420%
88	15.115	2207	2215	2217	rBV	1551349	2613074	54.82%	4.341%
89	15.139	2217	2219	2222	rVB	867041	725633	15.22%	1.205%
90	15.215	2228	2232	2236	rVB	345282	356446	7.48%	0.592%
91	15.421	2262	2267	2273	rVB	835808	1196592	25.10%	1.988%
92	15.498	2273	2280	2283	rBV	1304968	1742282	36.55%	2.894%
93	15.551	2285	2289	2292	rVV	292407	376387	7.90%	0.625%
94	15.586	2292	2295	2302	rVB2	369904	503610	10.57%	0.837%
95	16.139	2385	2389	2393	rVB2	87001	121897	2.56%	0.203%
96	17.109	2546	2554	2561	rVV	479401	973061	20.42%	1.616%
97	17.286	2579	2584	2589	rBV2	84404	164571	3.45%	0.273%
98	17.345	2591	2594	2600	rVB2	70802	124059	2.60%	0.206%
99	17.580	2626	2634	2643	rVB	323391	743508	15.60%	1.235%
100	17.833	2671	2677	2689	rVB2	90547	237339	4.98%	0.394%

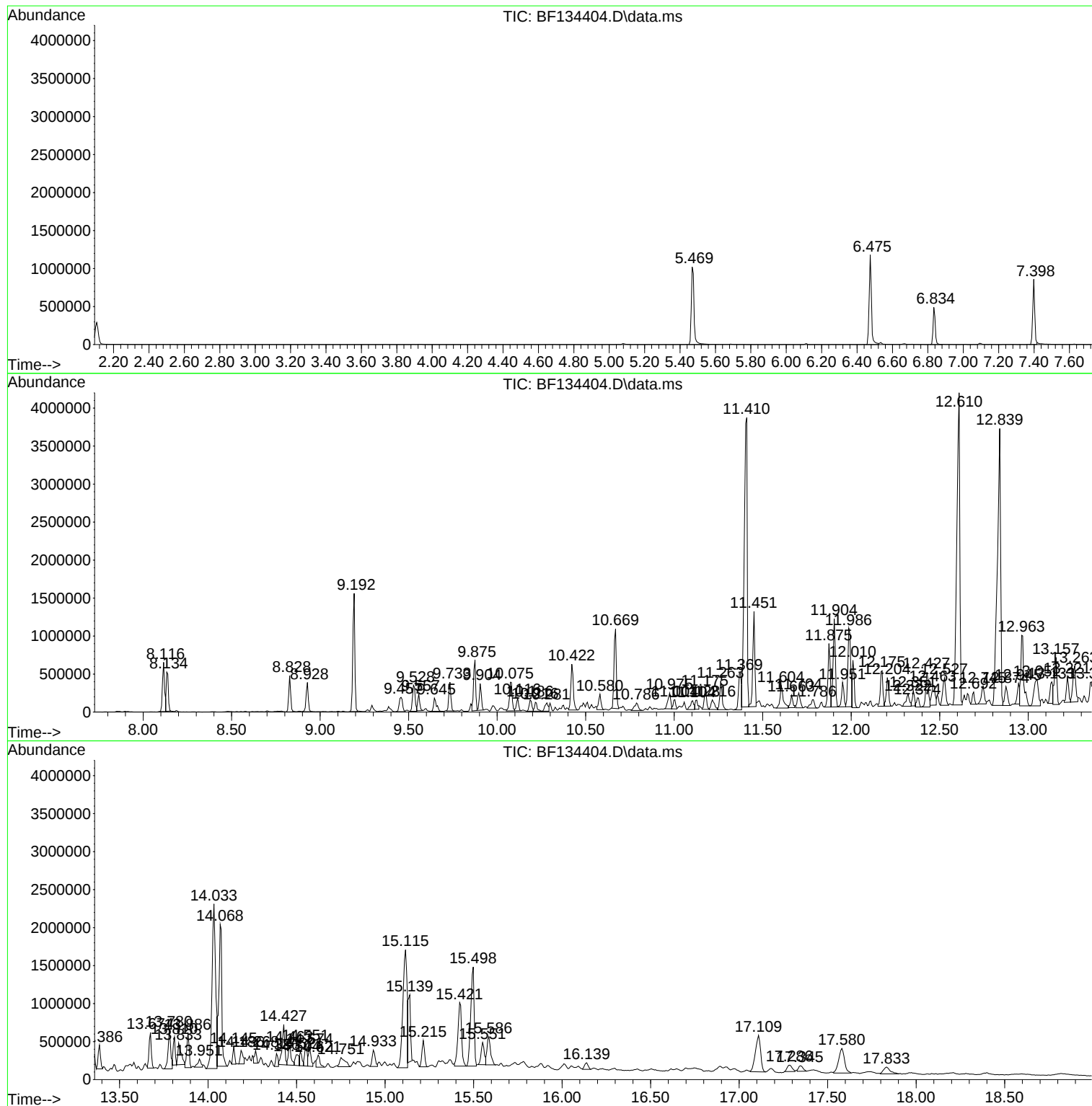
Sum of corrected areas: 60195588

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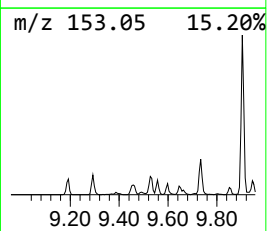
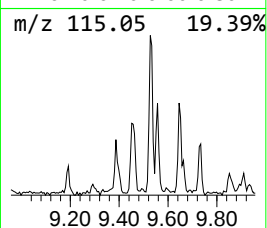
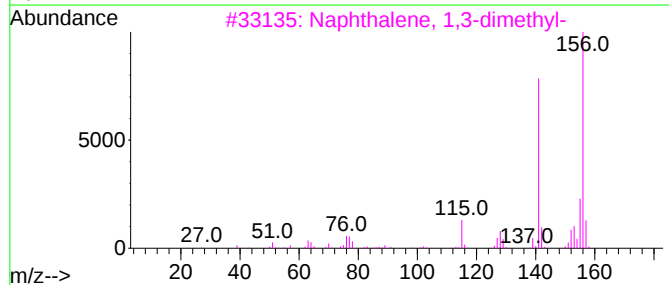
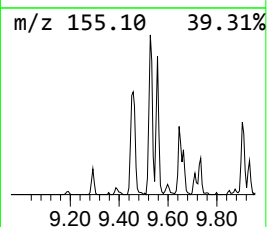
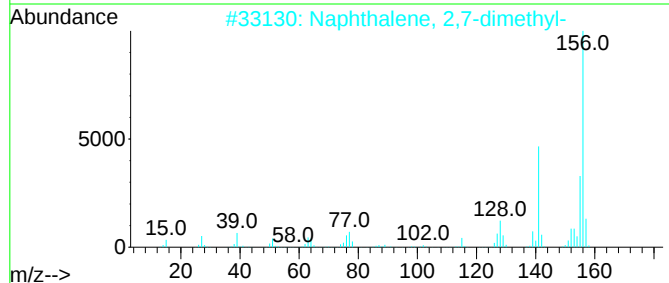
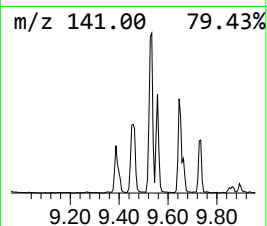
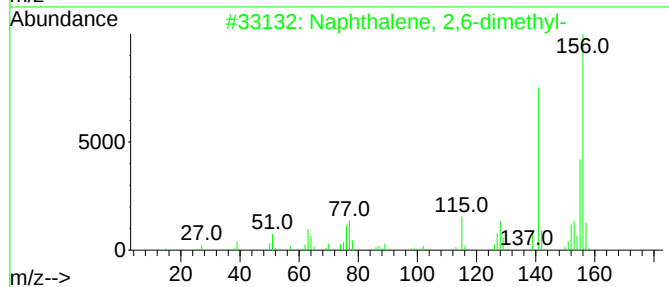
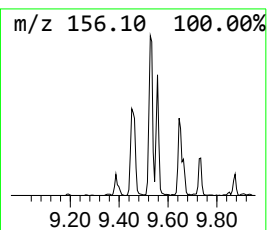
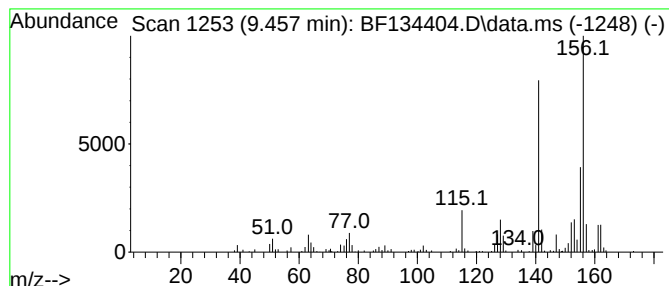
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	8.93 ng	245810	Acenaphthene-d10	9.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



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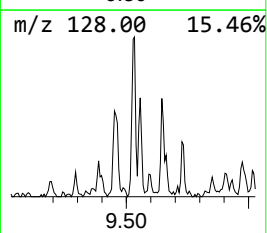
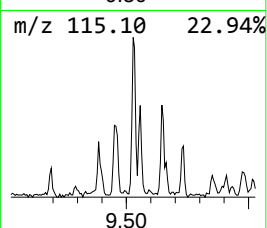
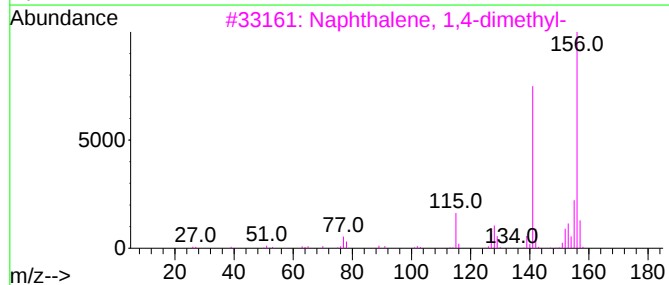
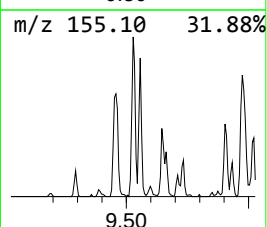
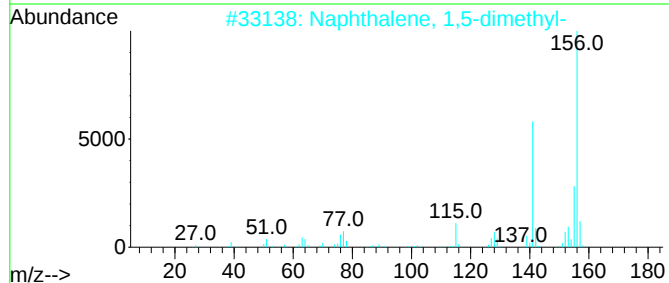
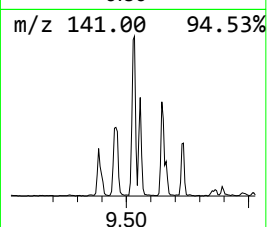
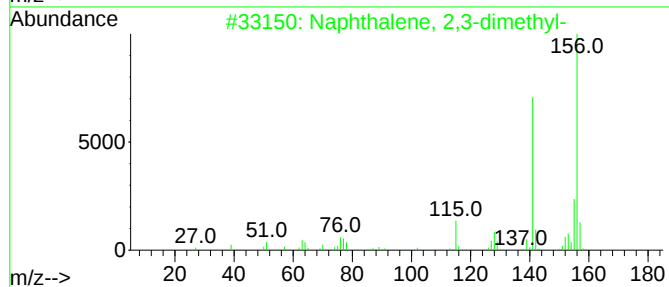
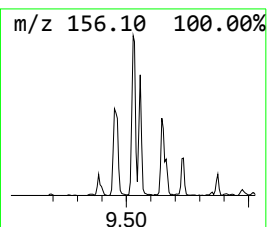
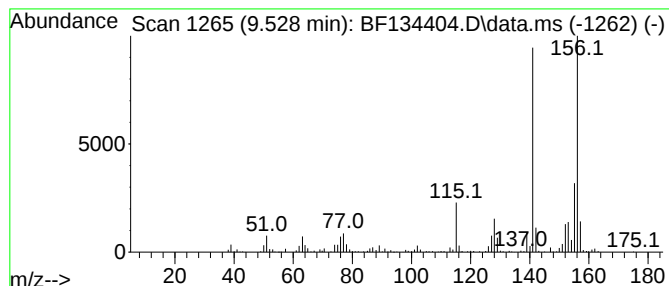
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.528	12.77 ng	351574	Acenaphthene-d10	9.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



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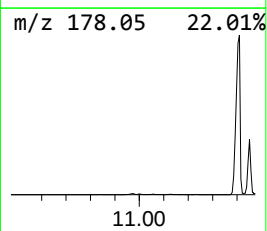
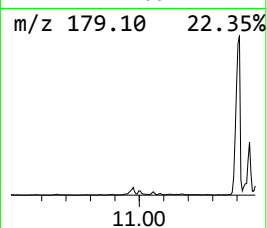
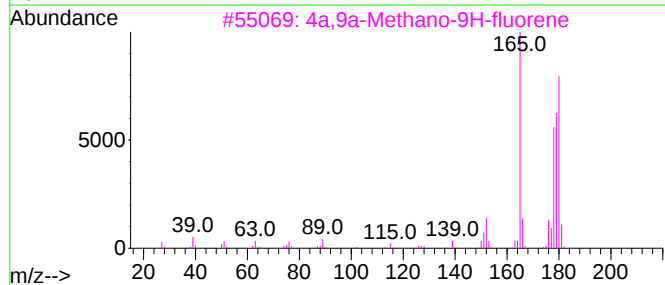
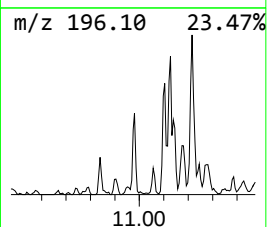
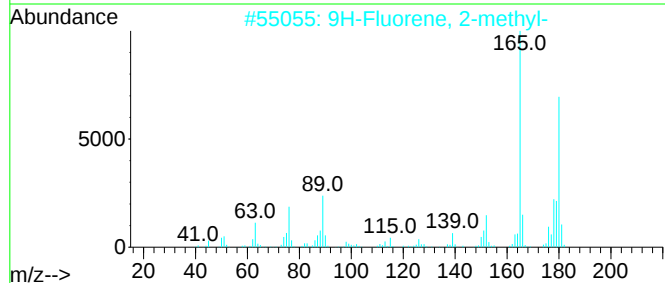
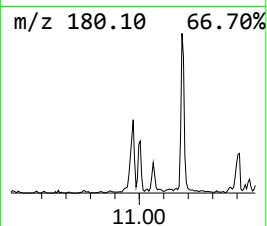
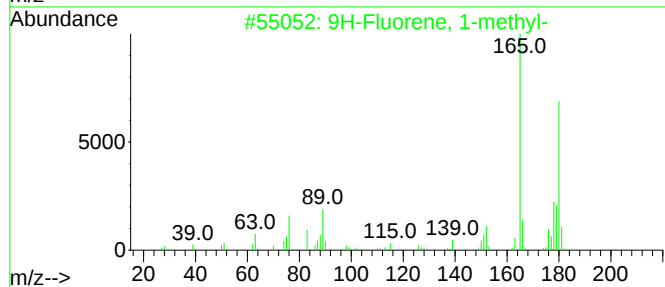
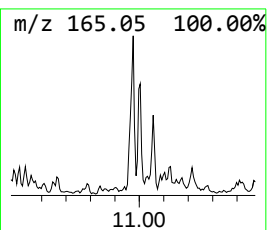
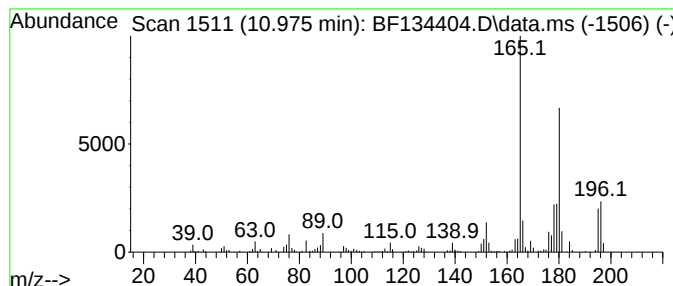
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.975	8.25 ng	229993	Phenanthrene-d10	11.374

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	60
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
Operator : CG\JU
Sample : 03640-31
Misc :
ALS Vial : 14 Sample Multiplier: 1

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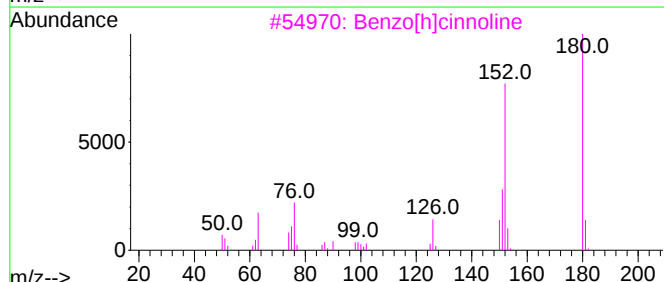
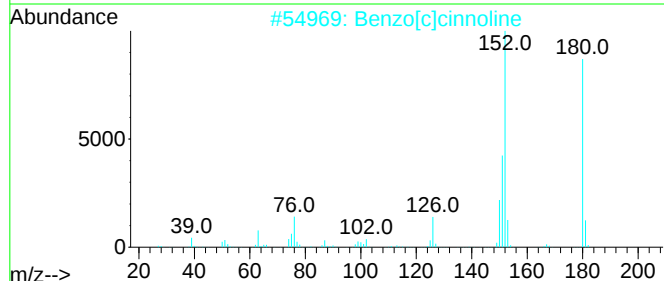
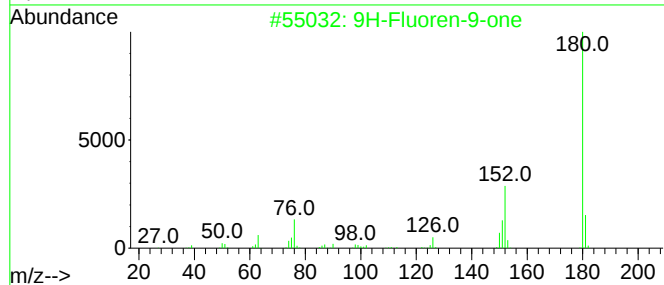
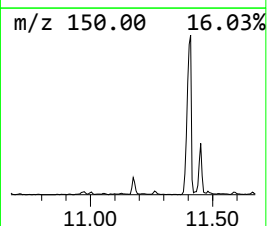
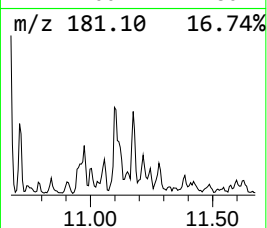
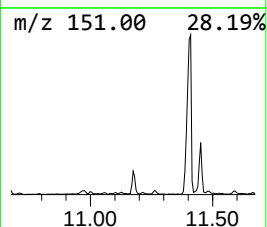
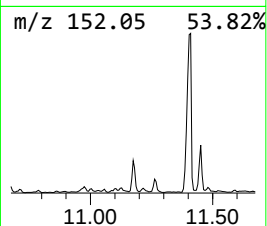
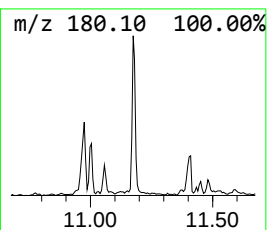
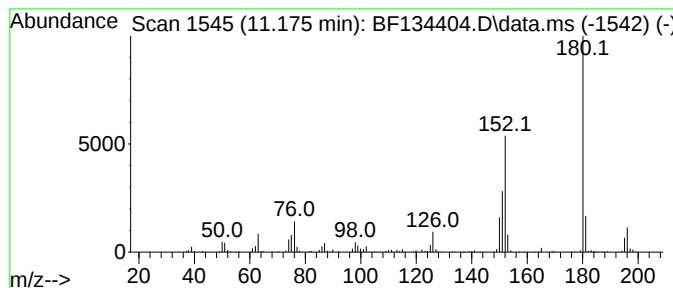
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	8.75 ng	243877	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5			2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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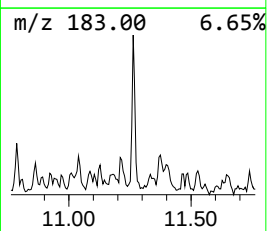
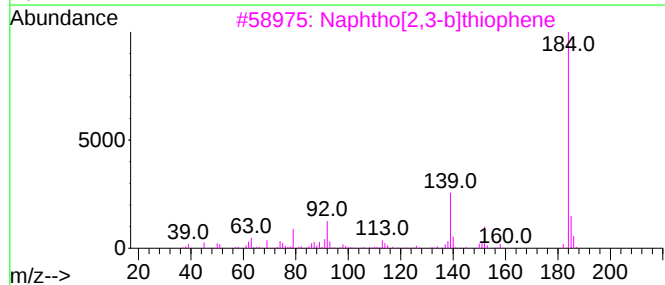
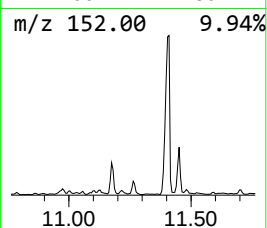
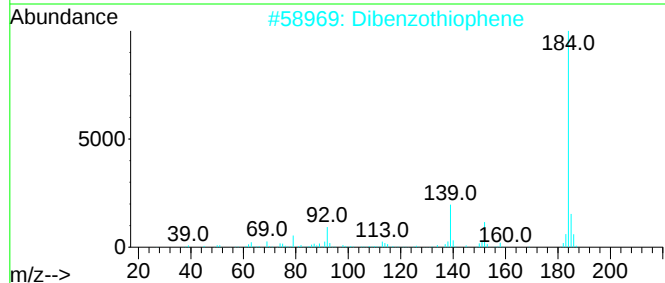
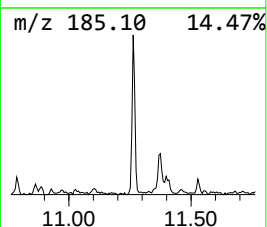
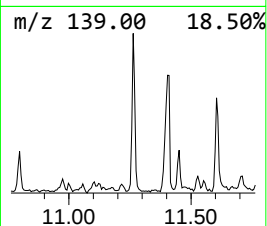
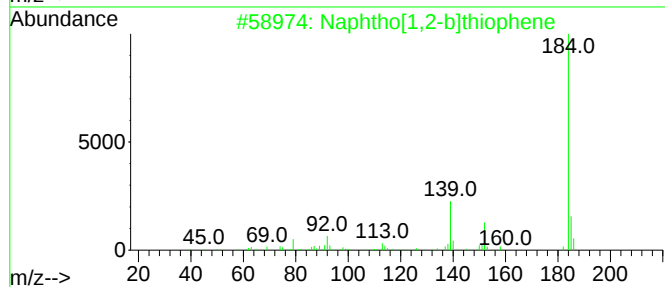
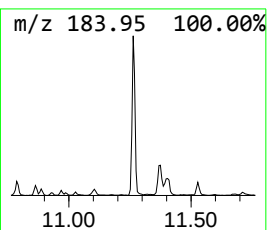
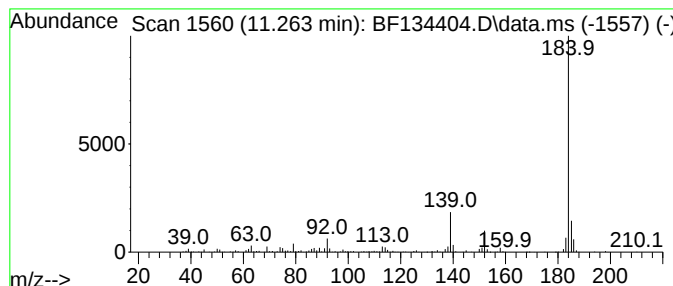
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	12.39 ng	345348	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2			Dibenzothiophene	184	C12H8S	000132-65-0	97
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
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Sample : 03640-31
Misc :
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ClientSampleId :
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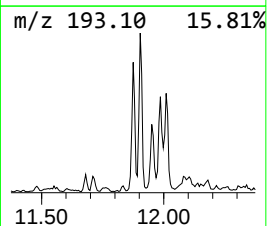
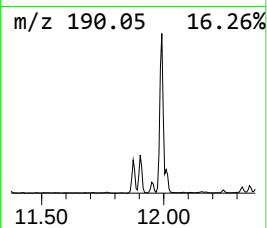
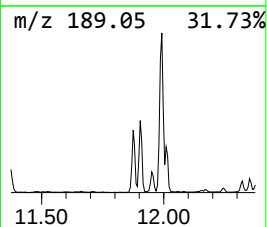
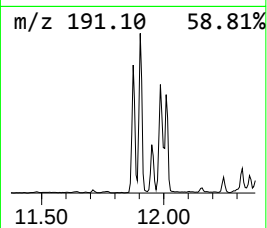
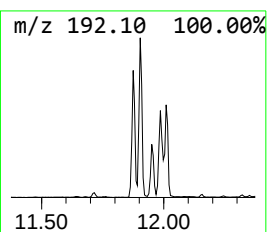
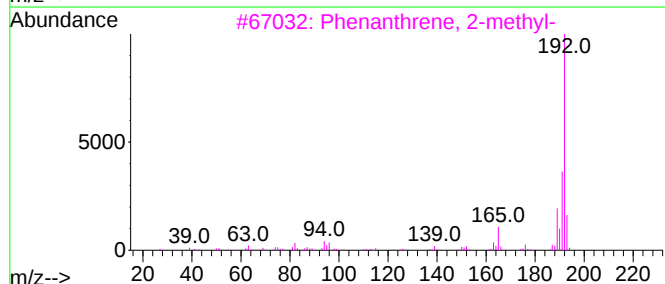
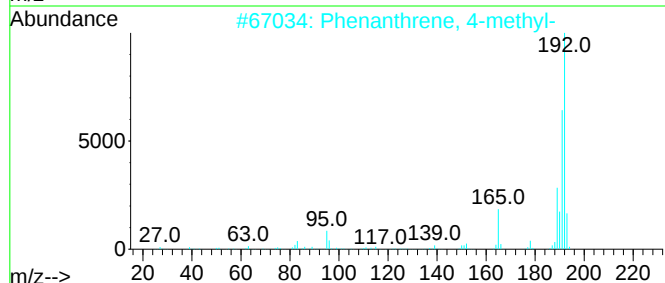
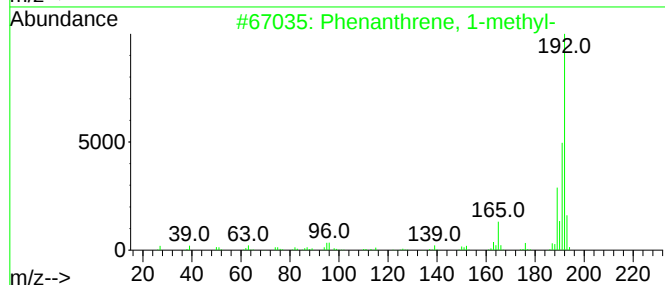
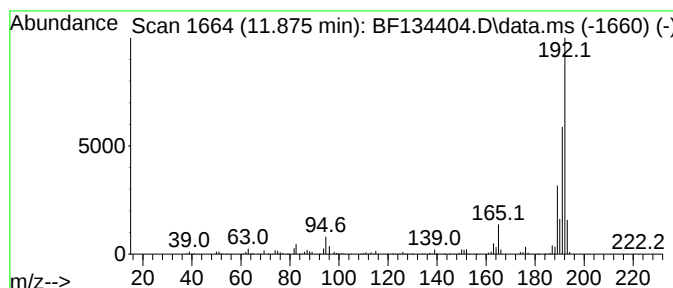
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	26.81 ng	747417	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
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ClientSampleId :
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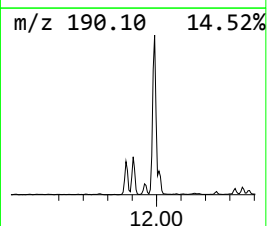
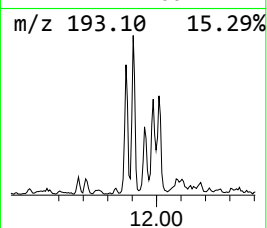
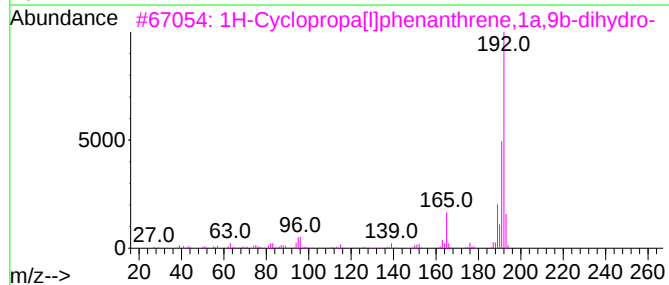
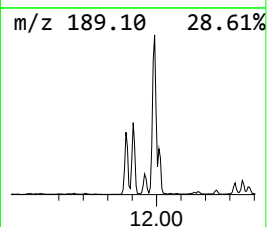
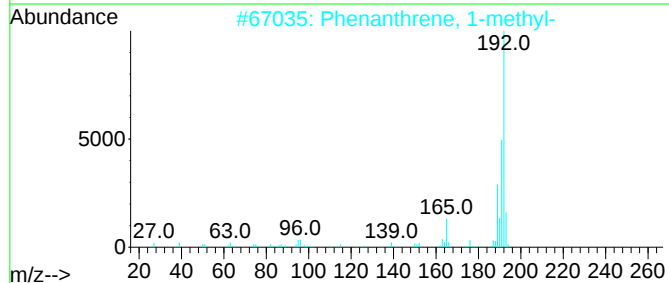
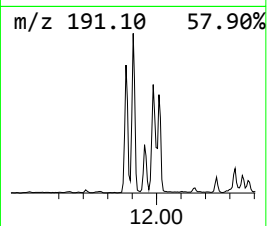
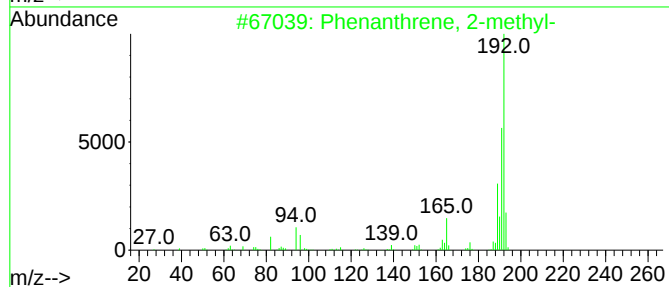
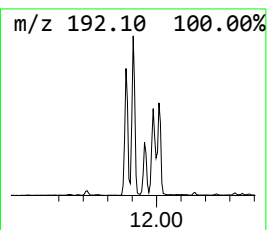
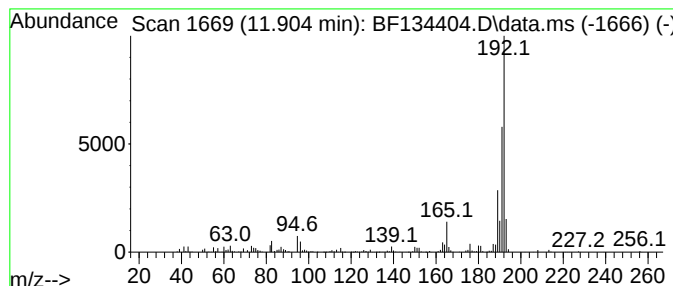
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	36.86 ng	1027560	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



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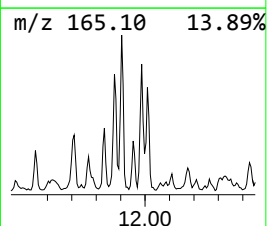
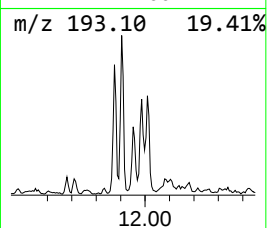
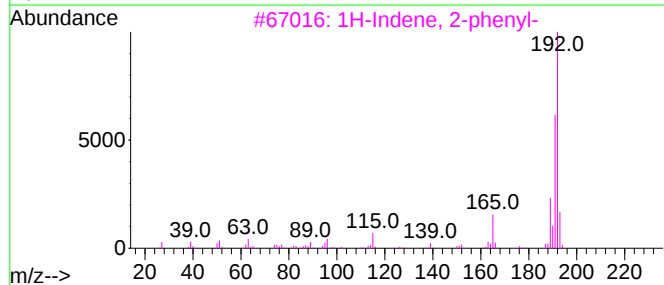
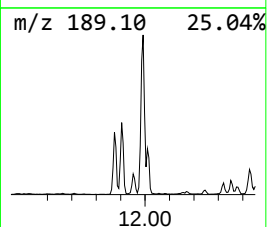
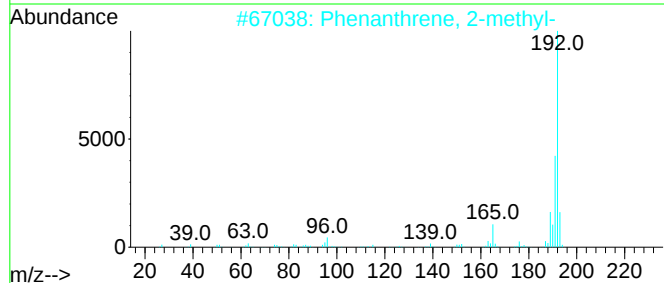
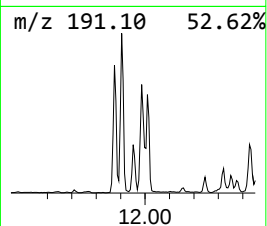
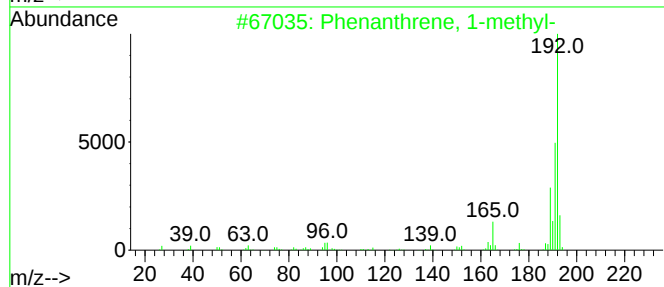
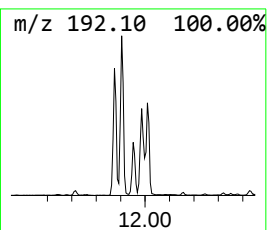
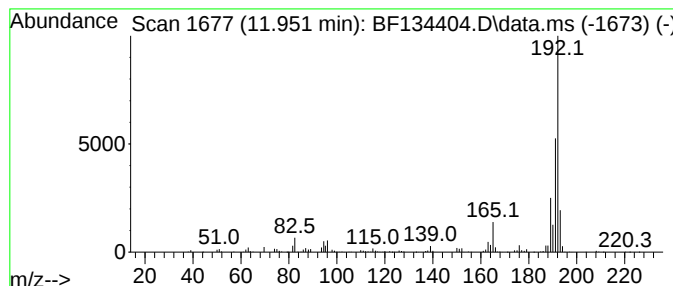
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	10.47 ng	291822	Phenanthrene-d10	11.374

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	96
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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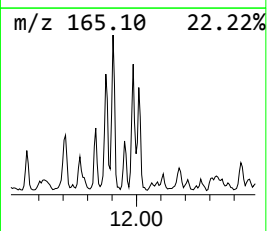
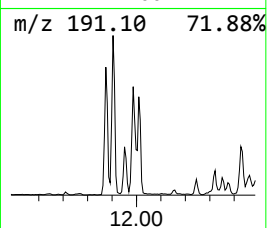
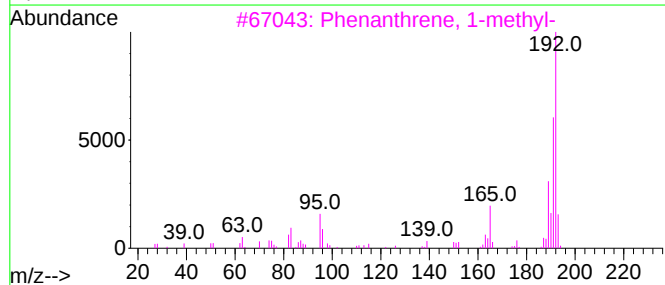
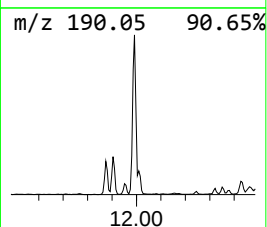
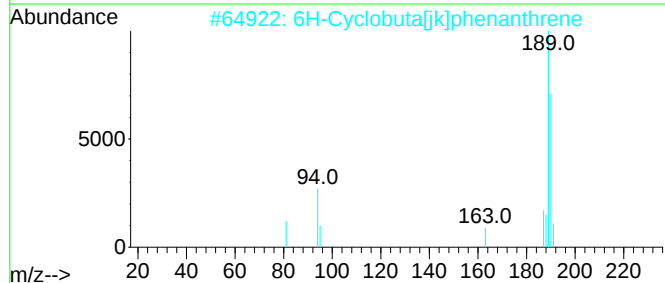
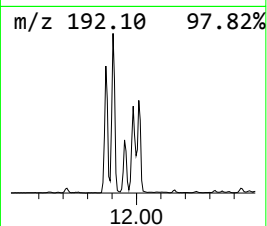
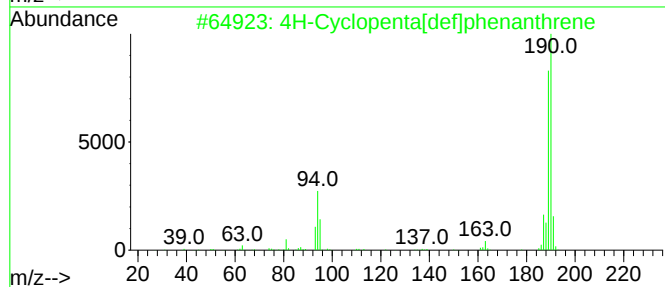
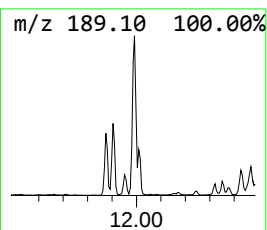
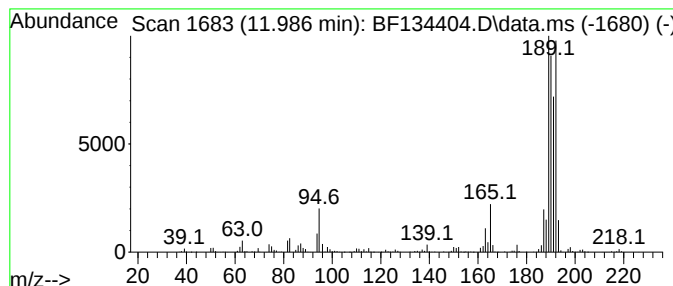
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.986	42.71 ng	1190730	Phenanthrene-d10	11.374	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



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ALS Vial : 14 Sample Multiplier: 1

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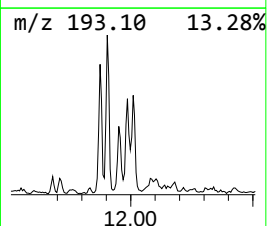
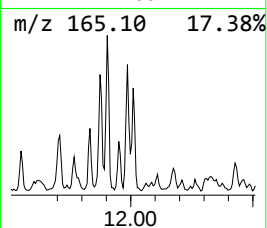
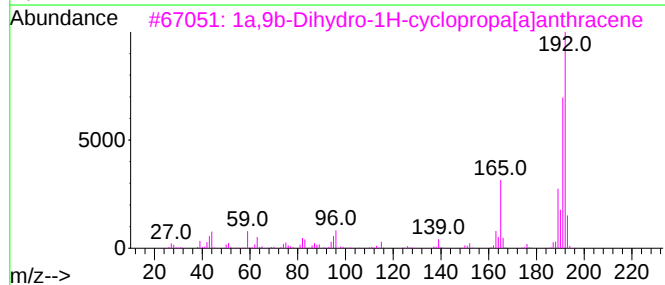
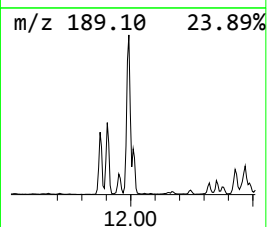
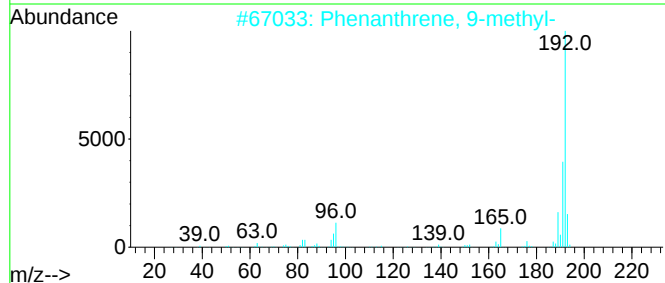
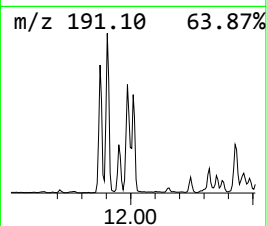
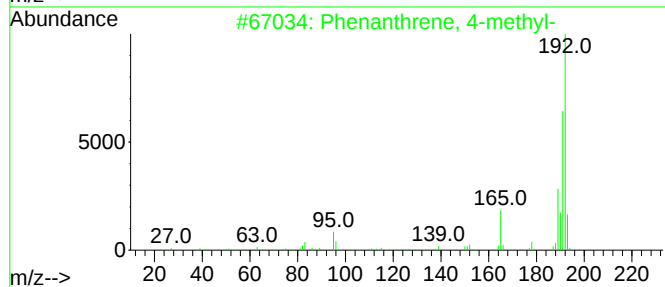
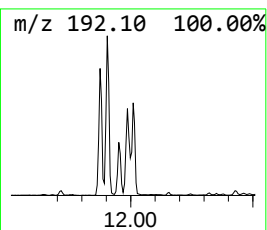
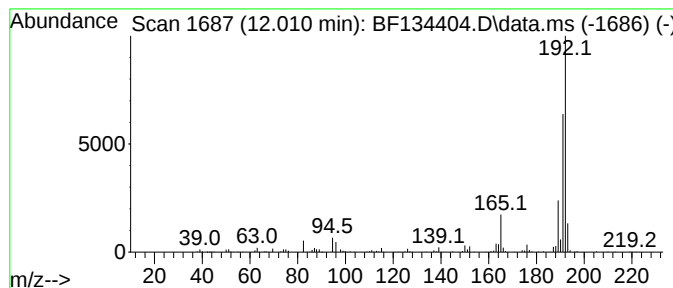
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	15.02 ng	418814	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
3			1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	83
4			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
Operator : CG\JU
Sample : 03640-31
Misc :
ALS Vial : 14 Sample Multiplier: 1

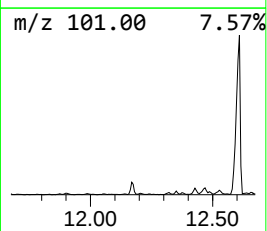
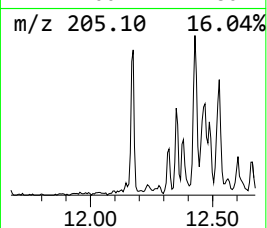
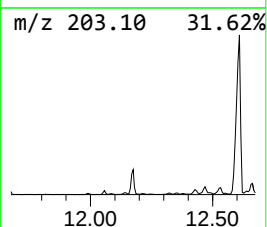
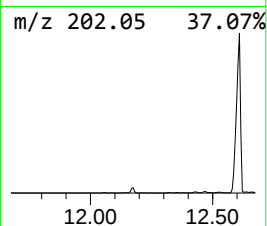
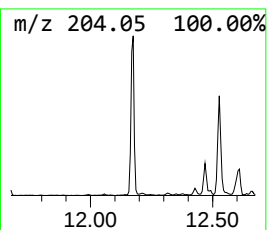
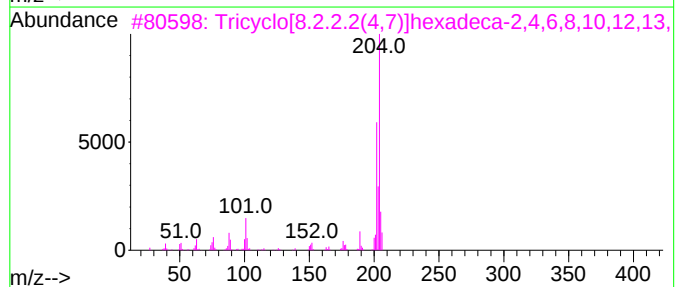
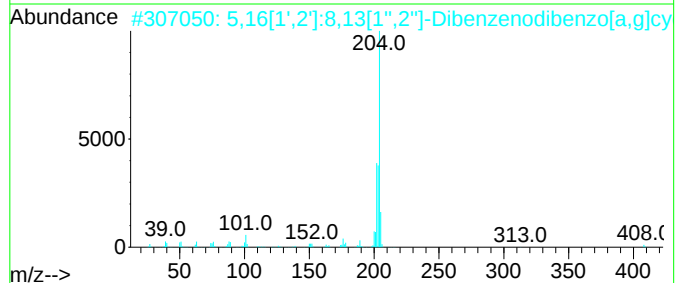
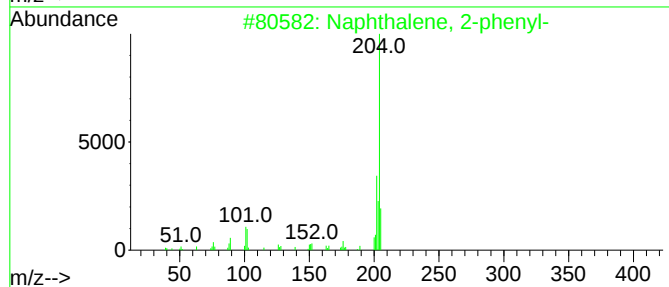
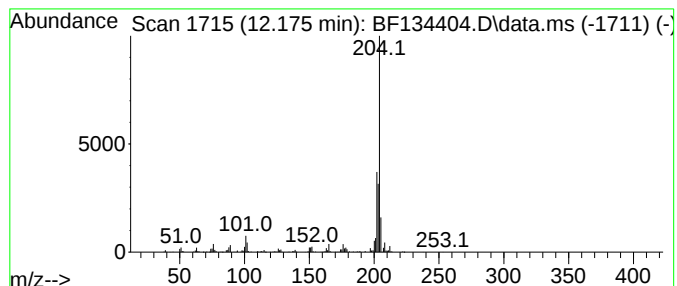
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.175	16.78 ng	467823	Phenanthrene-d10		11.374	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-		204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...		408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...		204	C16H12	006572-60-7	81
4	1,4-Ethenoanthracene, 1,4-dihydro-		204	C16H12	027765-96-4	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile		204	C14H8N2	001591-30-6	50



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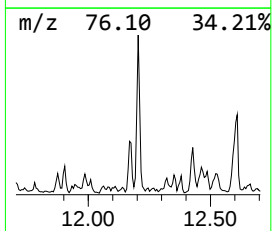
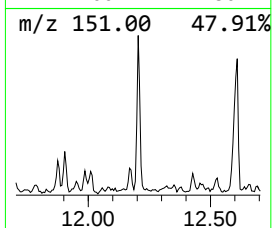
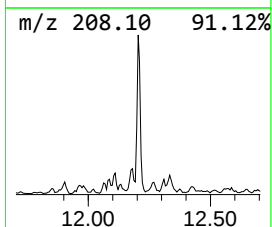
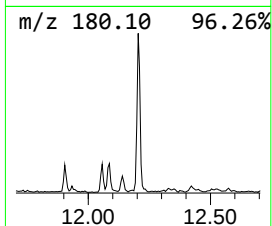
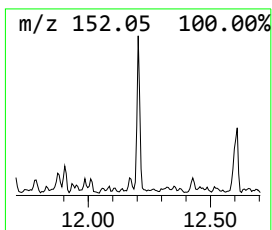
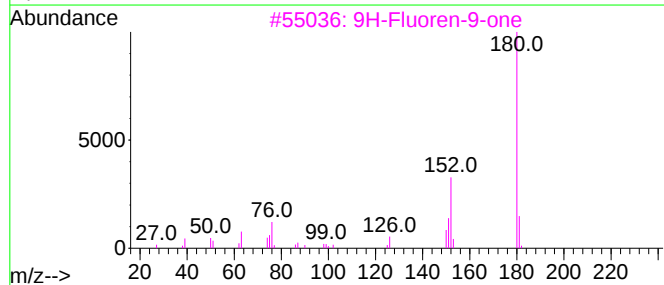
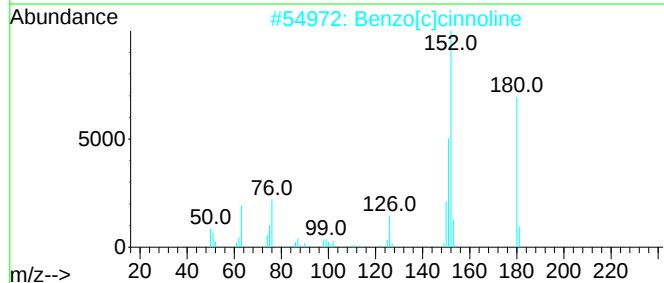
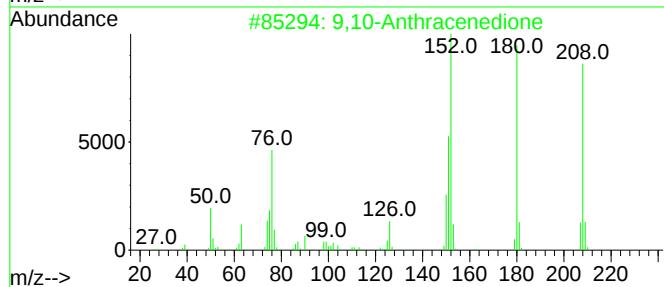
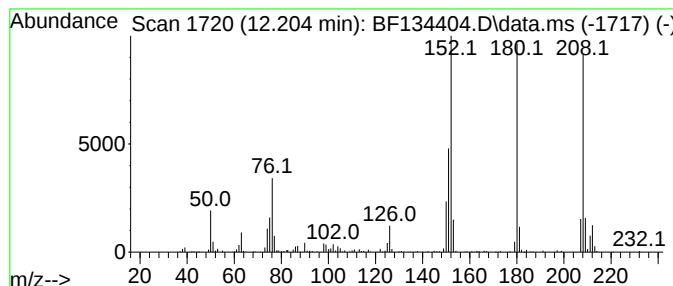
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	12.22 ng	340652	Phenanthrene-d10	11.374

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	91
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
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Sample : 03640-31
Misc :
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Instrument :
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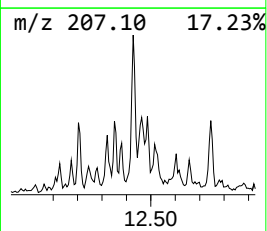
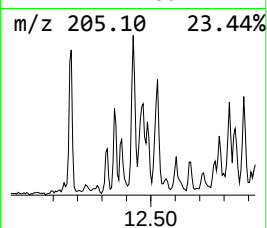
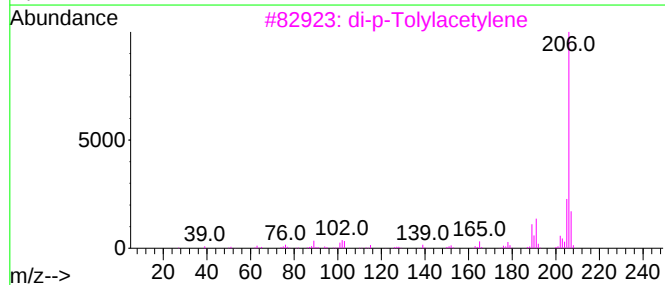
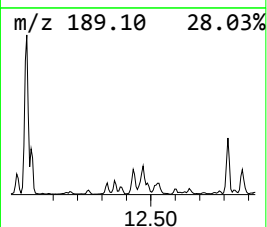
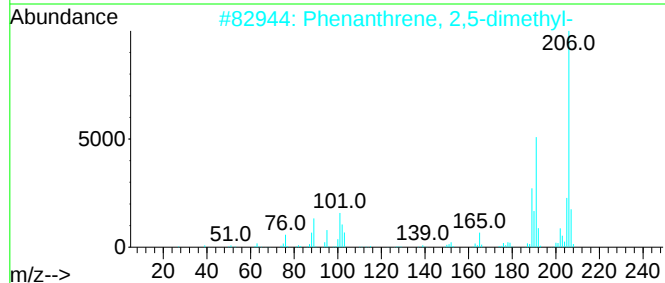
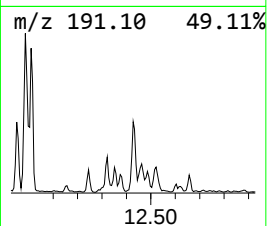
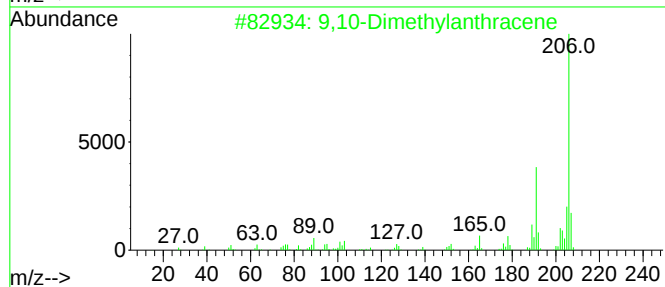
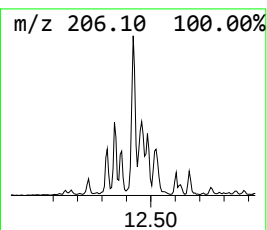
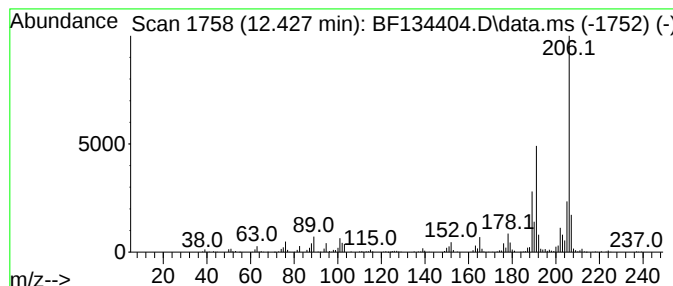
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Dimethylantracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	17.89 ng	498679	Phenanthrene-d10	11.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93



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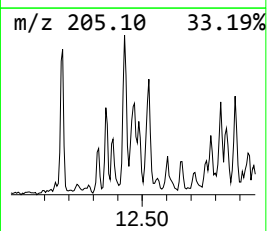
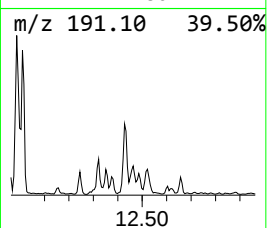
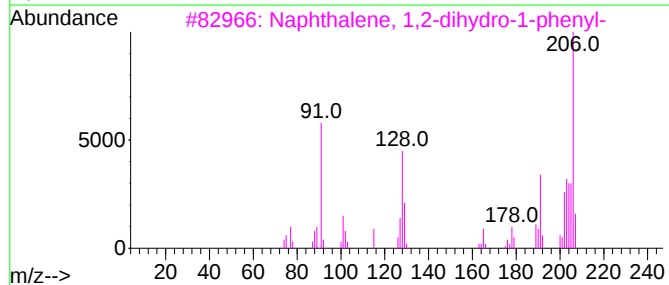
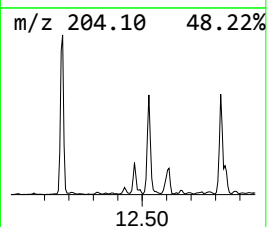
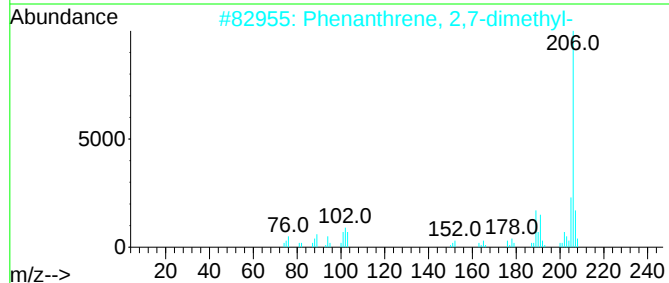
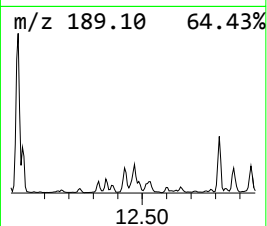
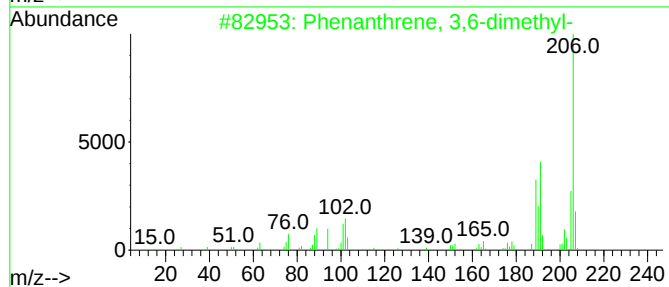
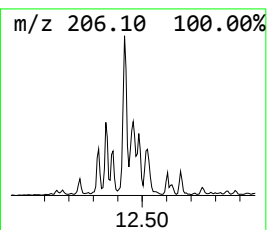
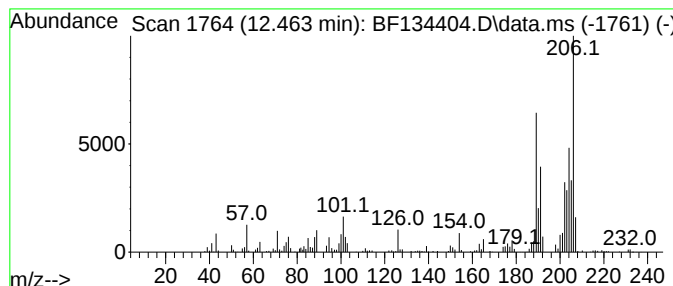
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.463	13.07 ng	364345	Phenanthrene-d10			11.374
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-		206	C16H14	001576-69-8	58
3	Naphthalene, 1,2-dihydro-1-phenyl-		206	C16H14	016606-46-5	55
4	Anthracene, 1,4-dimethyl-		206	C16H14	000781-92-0	55
5	9,10-Dimethylanthracene		206	C16H14	000781-43-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
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Sample : 03640-31
Misc :
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Instrument :
BNA_F
ClientSampleId :
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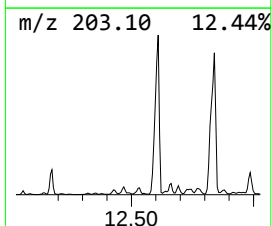
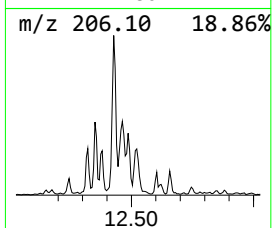
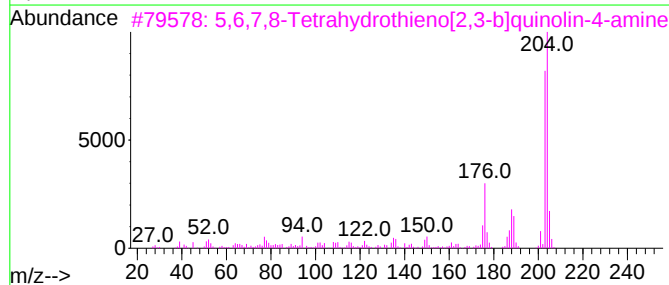
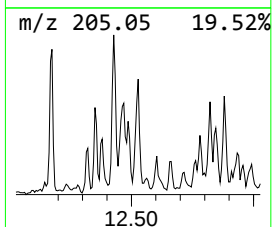
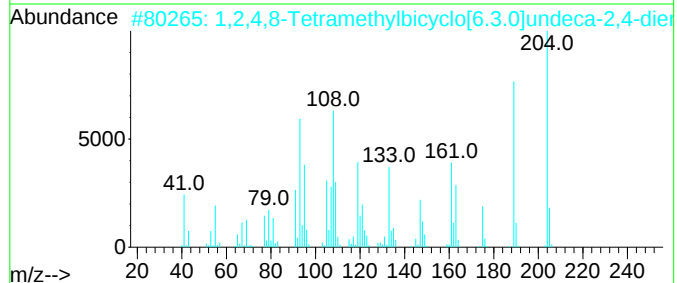
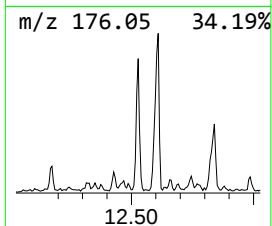
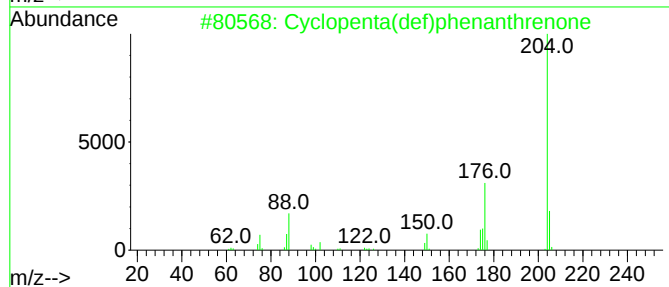
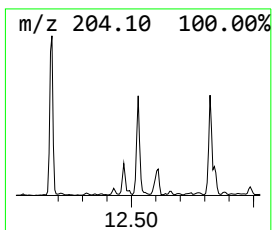
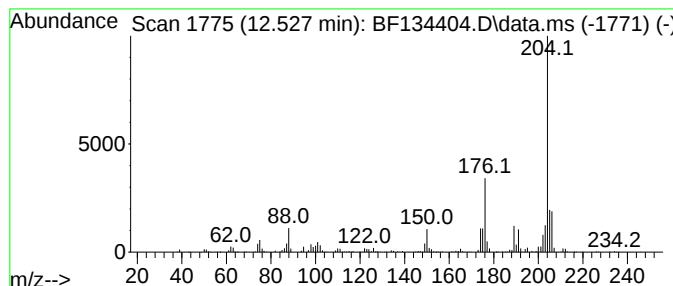
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	14.88 ng	414838	Phenanthrene-d10	11.374

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	60
3		5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50



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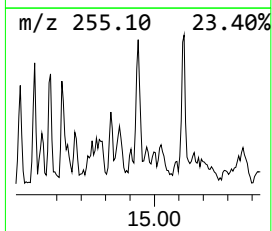
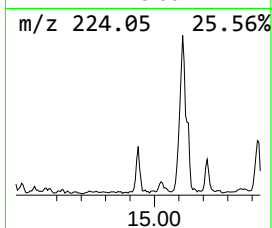
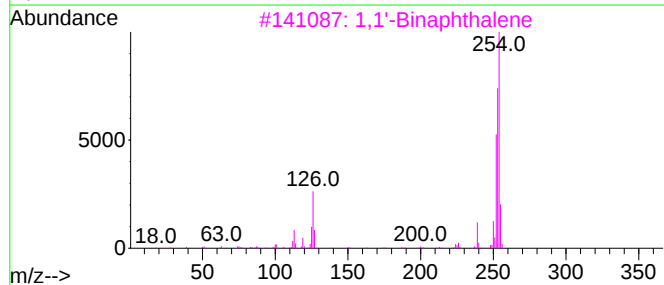
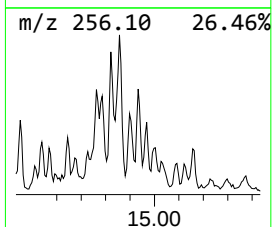
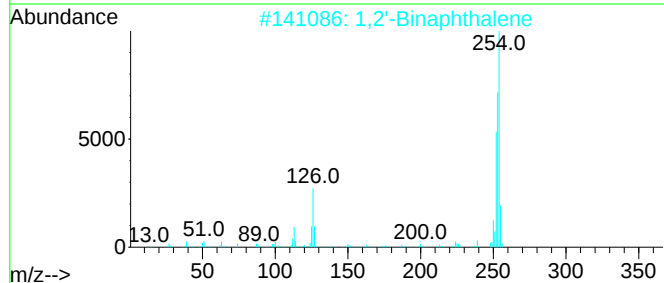
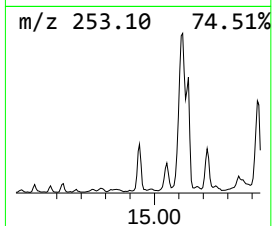
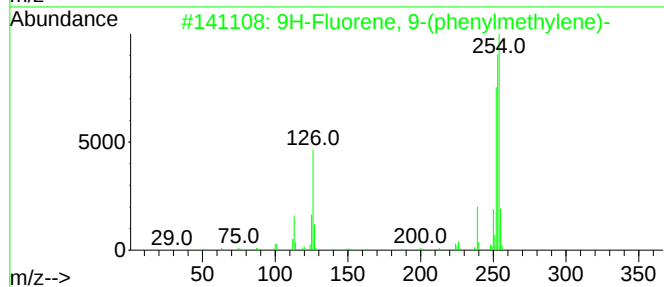
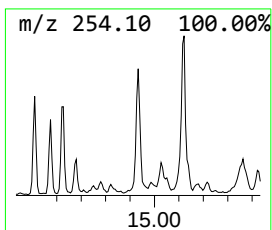
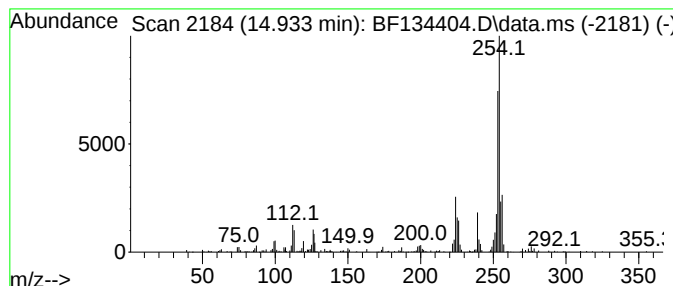
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.933	13.43 ng	252716	Perylene-d12	15.551	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	81
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	76
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	68
5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64



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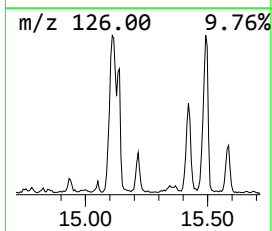
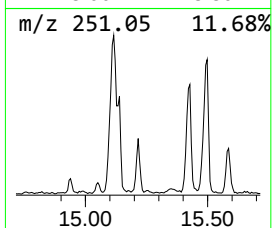
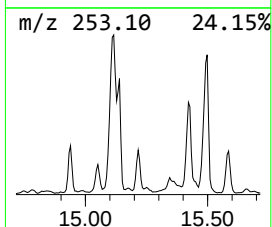
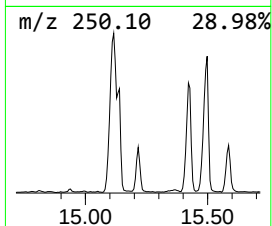
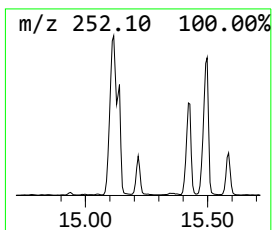
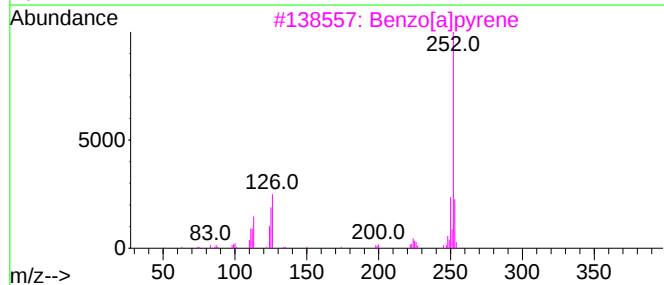
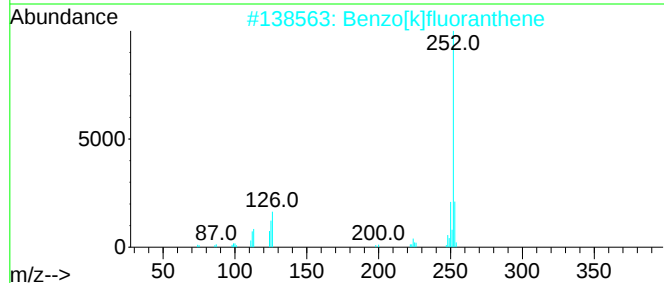
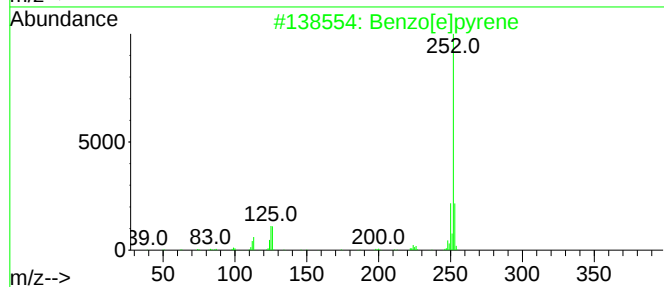
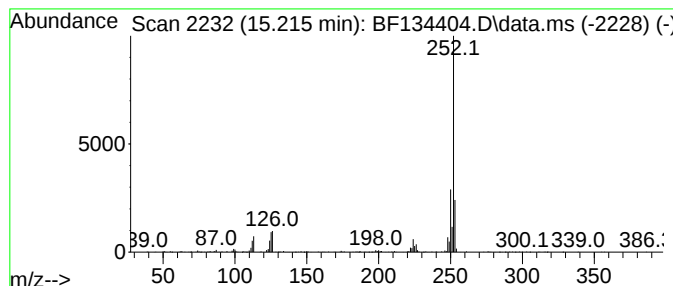
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.216	18.94 ng	356446	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Benzo[a]pyrene	252	C20H12	000050-32-8	90
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
Operator : CG\JU
Sample : 03640-31
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP11

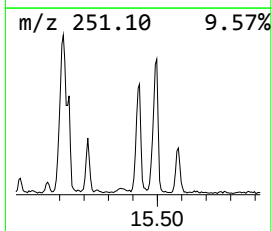
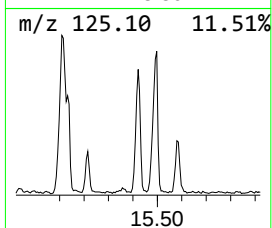
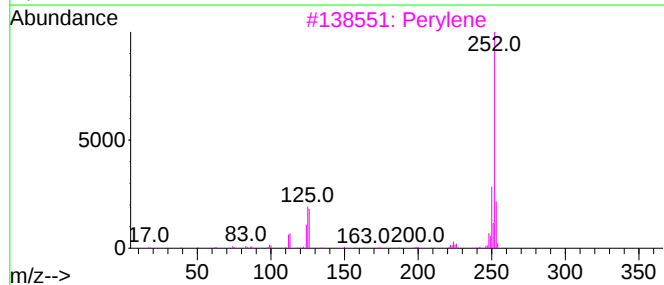
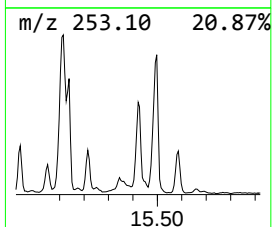
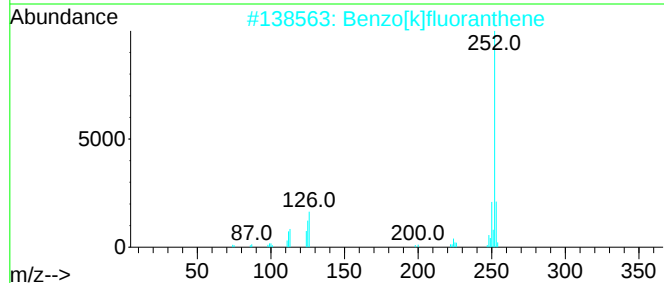
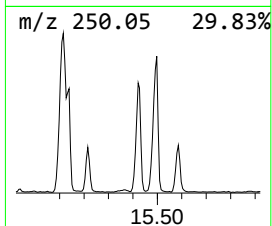
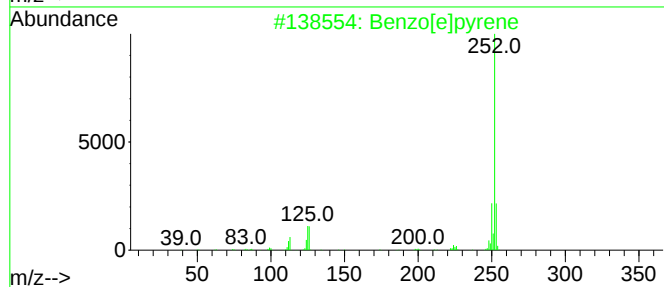
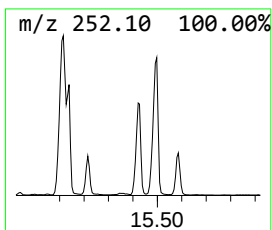
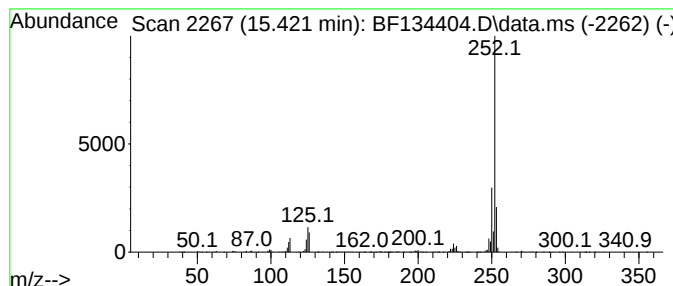
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	63.58 ng	1196590	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3			Perylene	252	C20H12	000198-55-0	96
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
Operator : CG\JU
Sample : 03640-31
Misc :
ALS Vial : 14 Sample Multiplier: 1

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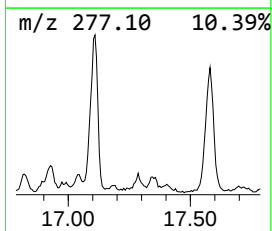
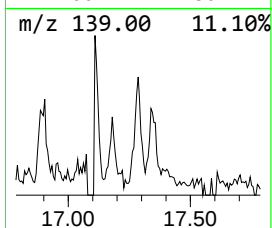
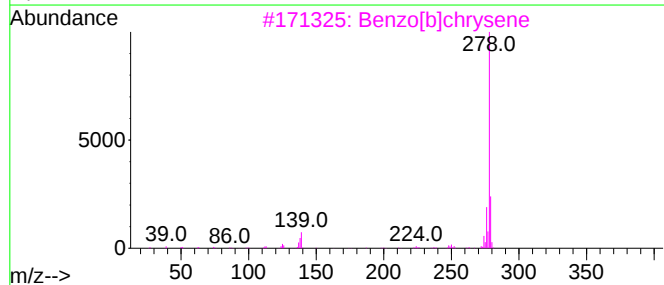
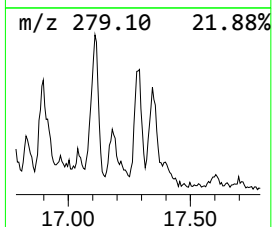
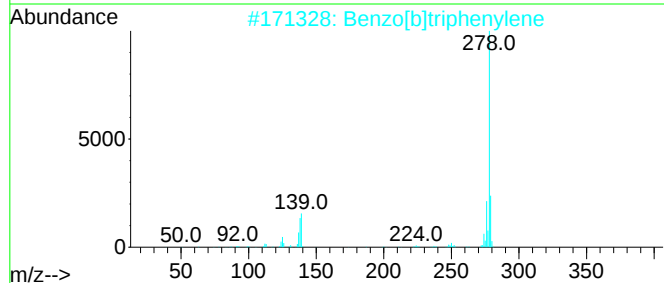
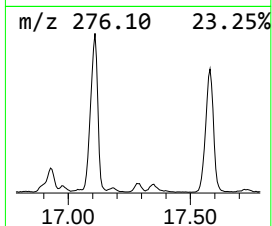
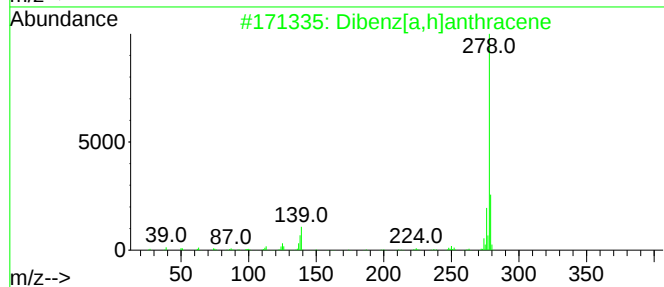
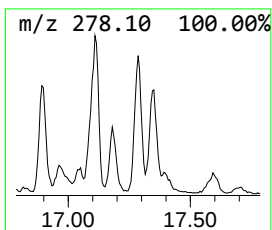
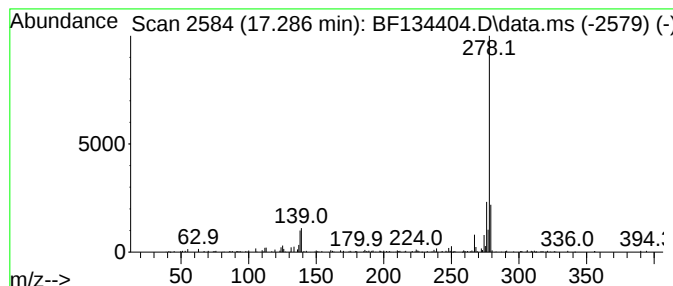
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.286	8.74 ng	164571	Perylene-d12	15.551

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3		Benzo[b]chrysene	278	C22H14	000214-17-5	90
4		Picene	278	C22H14	000213-46-7	90
5		Pentaphene	278	C22H14	000222-93-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
Operator : CG\JU
Sample : 03640-31
Misc :
ALS Vial : 14 Sample Multiplier: 1

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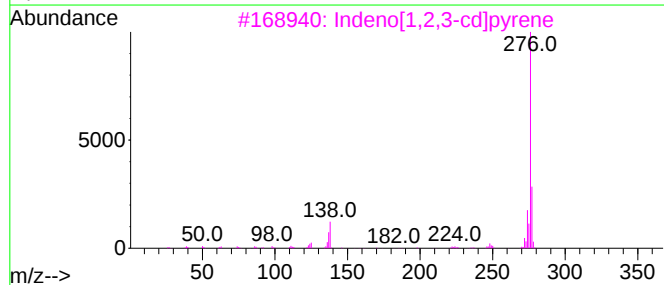
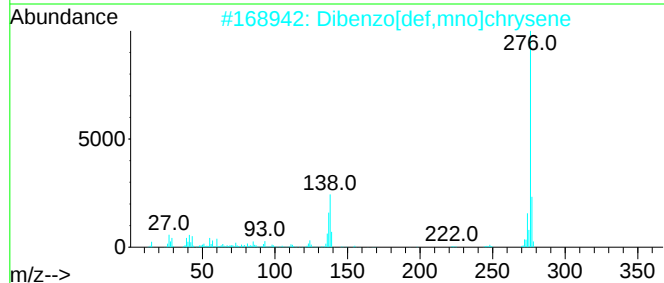
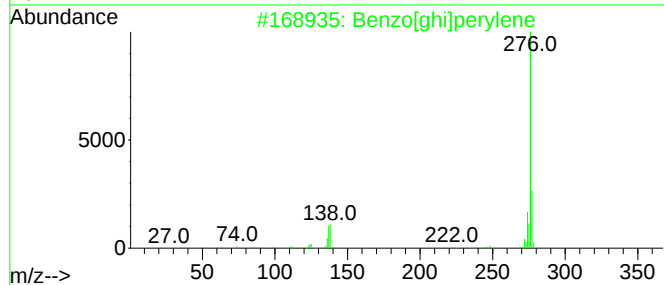
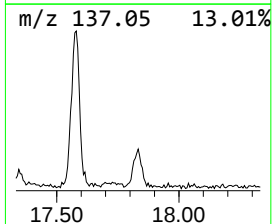
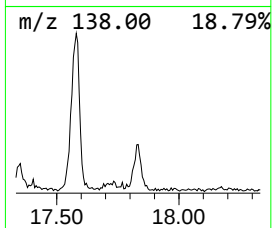
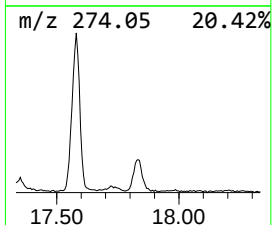
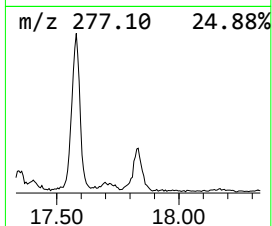
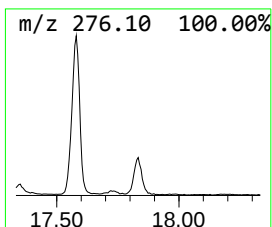
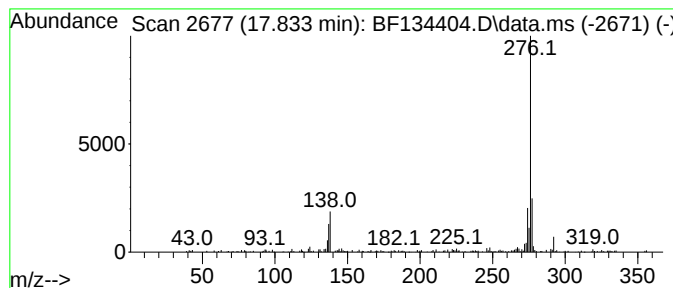
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	12.61 ng	237339	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5			1,3,5-Triazin-2-amine, N-isoprop...	276	C14H24N6	1000276-80-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134404.D
Acq On : 21 Jul 2023 16:44
Operator : CG\JU
Sample : 03640-31
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP11

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
Naphthalene, 2,...	9.457	8.9	ng	245810	3	9.875	550757	20.0
Naphthalene, 2,...	9.528	12.8	ng	351574	3	9.875	550757	20.0
9H-Fluorene, 1-...	10.975	8.3	ng	229993	4	11.374	557574	20.0
9H-Fluoren-9-one	11.175	8.8	ng	243877	4	11.374	557574	20.0
Naphtho[1,2-b]t...	11.263	12.4	ng	345348	4	11.374	557574	20.0
Phenanthrene, 1...	11.874	26.8	ng	747417	4	11.374	557574	20.0
Phenanthrene, 2...	11.904	36.9	ng	1027560	4	11.374	557574	20.0
1H-Indene, 2-ph...	11.951	10.5	ng	291822	4	11.374	557574	20.0
4H-Cyclopenta[d...	11.986	42.7	ng	1190730	4	11.374	557574	20.0
Phenanthrene, 4...	12.010	15.0	ng	418814	4	11.374	557574	20.0
Naphthalene, 2-...	12.175	16.8	ng	467823	4	11.374	557574	20.0
9,10-Anthracene...	12.204	12.2	ng	340652	4	11.374	557574	20.0
9,10-Dimethylan...	12.427	17.9	ng	498679	4	11.374	557574	20.0
Phenanthrene, 3...	12.463	13.1	ng	364345	4	11.374	557574	20.0
Cyclopenta(def)...	12.527	14.9	ng	414838	4	11.374	557574	20.0
9H-Fluorene, 9-...	14.933	13.4	ng	252716	6	15.551	376387	20.0
Benzo[e]pyrene	15.216	18.9	ng	356446	6	15.551	376387	20.0
Benzo[j]fluoran...	15.421	63.6	ng	1196590	6	15.551	376387	20.0
Picene	17.286	8.7	ng	164571	6	15.551	376387	20.0
Dibenzo[def,mno...	17.833	12.6	ng	237339	6	15.551	376387	20.0