

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132793.D
 Acq On : 14 Mar 2023 23:06
 Operator : CG\JU
 Sample : 01905-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UNION-1

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-BF022223.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132793.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.198	439	444	460	rVB	1503682	1889825	32.94%	1.965%
2	5.598	508	512	526	rVB	3970989	3883811	67.70%	4.038%
3	6.598	677	682	685	rBV	3831444	3783400	65.95%	3.933%
4	6.963	741	744	748	rBV	1488757	1196560	20.86%	1.244%
5	7.228	780	789	795	rBV2	95212	119201	2.08%	0.124%
6	7.528	836	840	843	rBV	2910614	2588203	45.12%	2.691%
7	8.245	959	962	965	rBV	1843480	1547015	26.97%	1.608%
8	9.322	1141	1145	1148	rBV	5131676	4321534	75.33%	4.493%
9	9.710	1208	1211	1212	rVV	128763	111333	1.94%	0.116%
10	9.869	1234	1238	1243	rBV	506001	435221	7.59%	0.452%
11	9.916	1243	1246	1250	rVB2	100501	111035	1.94%	0.115%
12	10.004	1258	1261	1265	rVB	1816529	1577729	27.50%	1.640%
13	10.422	1326	1332	1335	rVB4	95997	133364	2.32%	0.139%
14	10.716	1379	1382	1385	rVB	176893	147015	2.56%	0.153%
15	10.798	1392	1396	1400	rBV	2669024	2414810	42.09%	2.511%
16	10.910	1410	1415	1422	rVB6	131724	300429	5.24%	0.312%
17	11.345	1486	1489	1492	rVV2	131894	128780	2.24%	0.134%
18	11.498	1512	1515	1518	rBV	1574839	1551260	27.04%	1.613%
19	11.522	1518	1519	1523	rVB	979190	723686	12.62%	0.752%
20	11.575	1525	1528	1531	rBV	369028	326724	5.70%	0.340%
21	11.733	1552	1555	1559	rVV2	101720	155368	2.71%	0.162%
22	12.004	1598	1601	1604	rBV2	330791	409207	7.13%	0.425%
23	12.033	1604	1606	1609	rVV	441650	346262	6.04%	0.360%
24	12.080	1611	1614	1617	rVV	209573	191513	3.34%	0.199%
25	12.116	1617	1620	1623	rVV2	607965	708111	12.34%	0.736%
26	12.139	1623	1624	1629	rVB	242521	141652	2.47%	0.147%
27	12.298	1648	1651	1654	rBV	290510	231624	4.04%	0.241%
28	12.327	1654	1656	1660	rVB	154241	142133	2.48%	0.148%
29	12.480	1679	1682	1684	rVB	178539	123128	2.15%	0.128%
30	12.557	1691	1695	1697	rBV	445630	469785	8.19%	0.488%
31	12.592	1697	1701	1703	rVV3	228796	306495	5.34%	0.319%
32	12.610	1703	1704	1707	rVB	148290	115371	2.01%	0.120%
33	12.645	1707	1710	1714	rBV3	367137	467169	8.14%	0.486%
34	12.727	1719	1724	1727	rBV	4518087	4444301	77.47%	4.621%
35	12.816	1736	1739	1742	rVB	162780	121295	2.11%	0.126%
36	12.874	1746	1749	1751	rVV	186934	164369	2.87%	0.171%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.898	1751	1753	1756	rVB2	122592	112298	1.96%	0.117%
38	12.957	1756	1763	1768	rBV2	4587182	5732711	99.93%	5.960%
39	13.004	1768	1771	1774	rVB2	389599	424449	7.40%	0.441%
40	13.086	1774	1785	1788	rBV	3616877	3976686	69.32%	4.134%
41	13.110	1788	1789	1794	rVB2	228866	181580	3.17%	0.189%
42	13.169	1794	1799	1804	rBV2	550118	970562	16.92%	1.009%
43	13.257	1811	1814	1815	rBV2	480961	498480	8.69%	0.518%
44	13.280	1815	1818	1821	rVB	1018998	1042892	18.18%	1.084%
45	13.345	1827	1829	1832	rBV	615550	545991	9.52%	0.568%
46	13.386	1832	1836	1839	rVV2	877085	972890	16.96%	1.011%
47	13.410	1839	1840	1843	rVV3	189234	162008	2.82%	0.168%
48	13.439	1843	1845	1848	rVV2	133158	128159	2.23%	0.133%
49	13.480	1849	1852	1854	rVV	652349	542474	9.46%	0.564%
50	13.510	1854	1857	1860	rVV	627189	626057	10.91%	0.651%
51	13.533	1860	1861	1865	rVV2	151219	131703	2.30%	0.137%
52	13.592	1869	1871	1874	rVB	129083	121897	2.12%	0.127%
53	13.657	1879	1882	1884	rBV3	93406	135566	2.36%	0.141%
54	13.704	1888	1890	1892	rVB	153064	118466	2.07%	0.123%
55	13.763	1897	1900	1903	rBV	232968	282986	4.93%	0.294%
56	13.792	1903	1905	1909	rVB	524381	517737	9.03%	0.538%
57	13.851	1913	1915	1918	rVB	153777	135300	2.36%	0.141%
58	13.904	1919	1924	1927	rBV2	567460	766885	13.37%	0.797%
59	13.933	1927	1929	1931	rVB	589564	427921	7.46%	0.445%
60	13.957	1931	1933	1939	rBV2	631308	1032478	18.00%	1.073%
61	14.004	1939	1941	1944	rVB	532311	481718	8.40%	0.501%
62	14.074	1948	1953	1958	rBV	179961	307700	5.36%	0.320%
63	14.151	1958	1966	1970	rBV2	3750861	5736591	100.00%	5.964%
64	14.186	1970	1972	1979	rVB	3167873	3142713	54.78%	3.267%
65	14.239	1979	1981	1983	rBV3	159392	150455	2.62%	0.156%
66	14.268	1983	1986	1990	rBV	909123	777415	13.55%	0.808%
67	14.304	1990	1992	1996	rBV3	285555	293734	5.12%	0.305%
68	14.374	2002	2004	2009	rVV2	329171	418769	7.30%	0.435%
69	14.416	2009	2011	2014	rVV2	191701	174522	3.04%	0.181%
70	14.474	2018	2021	2024	rVV2	162418	177208	3.09%	0.184%
71	14.510	2024	2027	2029	rVV	310299	351473	6.13%	0.365%
72	14.545	2029	2033	2036	rVV	1034095	1211858	21.13%	1.260%
73	14.580	2036	2039	2043	rVV	568016	687755	11.99%	0.715%
74	14.627	2043	2047	2048	rVV2	304957	420803	7.34%	0.437%
75	14.645	2048	2050	2052	rVV	519040	494957	8.63%	0.515%
76	14.674	2052	2055	2057	rVV2	687523	721109	12.57%	0.750%

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77	14.698	2057	2059	2062	rVV	642019	575354	10.03%	0.598%
78	14.745	2062	2067	2070	rVV2	310120	471488	8.22%	0.490%
79	14.874	2086	2089	2091	rBV2	273614	290055	5.06%	0.302%
80	14.951	2099	2102	2103	rBV	138449	136178	2.37%	0.142%
81	15.063	2118	2121	2129	rVB2	372860	561086	9.78%	0.583%
82	15.127	2129	2132	2137	rBV5	131587	203529	3.55%	0.212%
83	15.245	2145	2152	2155	rBV	3062280	5577311	97.22%	5.799%
84	15.351	2167	2170	2174	rVB	868094	924597	16.12%	0.961%
85	15.445	2182	2186	2187	rBV2	226581	273854	4.77%	0.285%
86	15.563	2201	2206	2213	rVB	1782334	2623337	45.73%	2.727%
87	15.633	2213	2218	2222	rBV	2818286	3924225	68.41%	4.080%
88	15.692	2224	2228	2231	rVV	725454	1027339	17.91%	1.068%
89	15.727	2231	2234	2241	rVB2	979416	1378263	24.03%	1.433%
90	16.068	2290	2292	2300	rVB2	131824	217930	3.80%	0.227%
91	16.204	2312	2315	2319	rBV	118007	184518	3.22%	0.192%
92	16.292	2326	2330	2335	rVB2	253210	336773	5.87%	0.350%
93	16.457	2354	2358	2362	rBV2	80814	126420	2.20%	0.131%
94	17.057	2457	2460	2463	rBV2	84010	130307	2.27%	0.135%
95	17.274	2489	2497	2505	rVV2	1236874	2522653	43.97%	2.623%
96	17.345	2507	2509	2516	rVB	108477	172105	3.00%	0.179%
97	17.451	2522	2527	2533	rBV	233030	492486	8.58%	0.512%
98	17.515	2533	2538	2544	rVV2	176642	352206	6.14%	0.366%
99	17.757	2571	2579	2591	rVB	846991	1986950	34.64%	2.066%
100	18.009	2617	2622	2636	rVB2	276969	729948	12.72%	0.759%

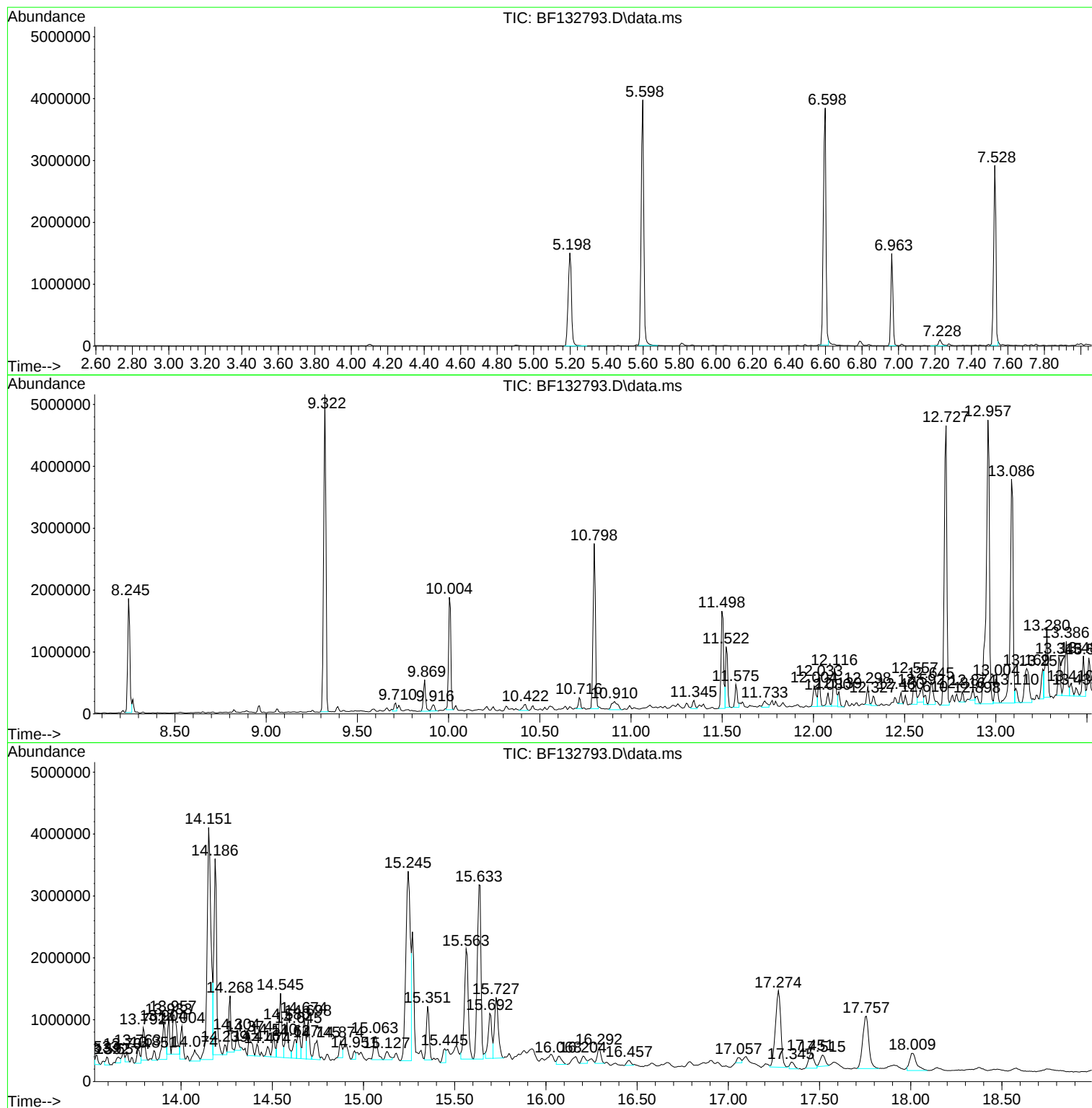
Sum of corrected areas: 96184586

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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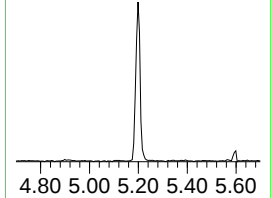
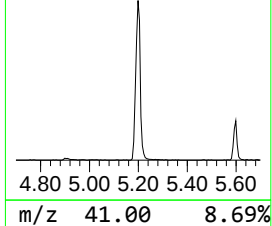
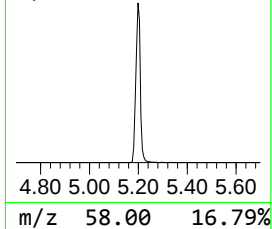
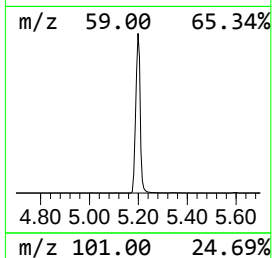
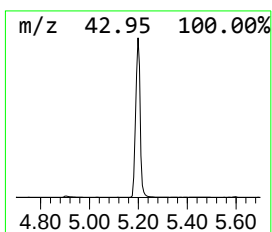
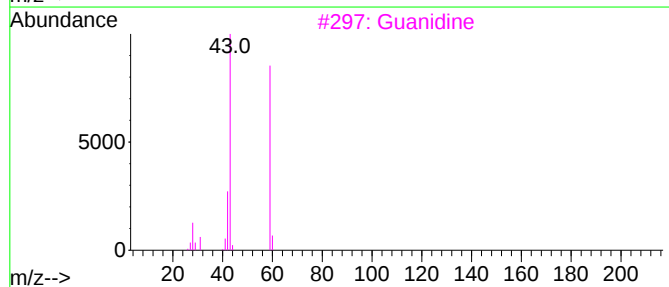
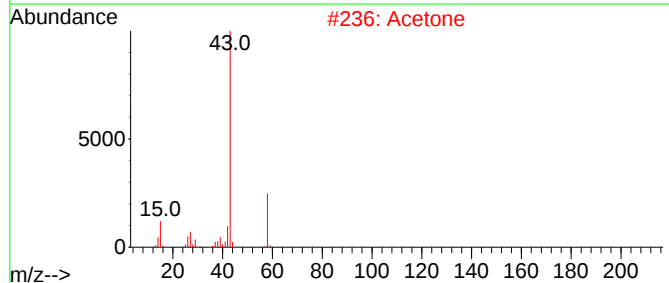
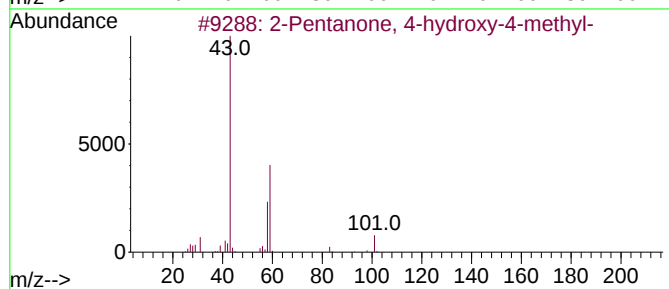
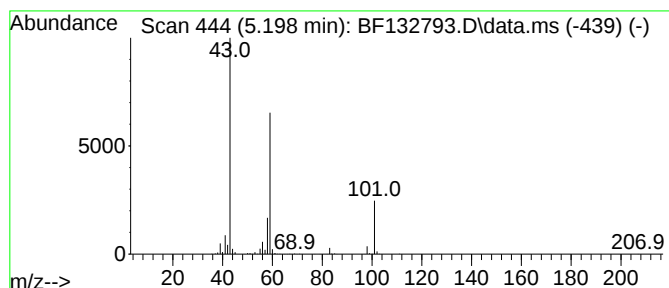
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.198	31.59 ng	1889830	1,4-Dichlorobenzene-d4	6.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetone	58	C3H6O	000067-64-1	9		
3	Guanidine	59	CH5N3	000113-00-8	9		
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



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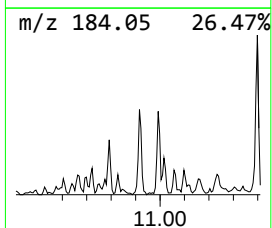
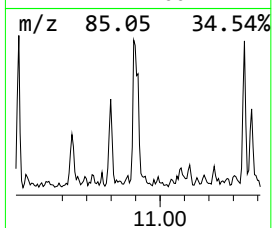
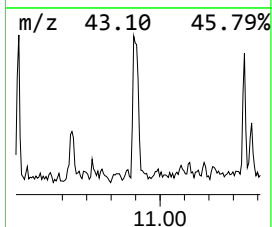
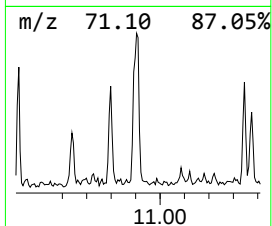
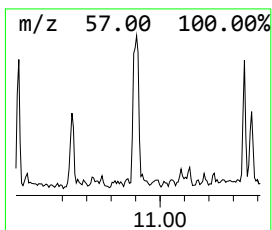
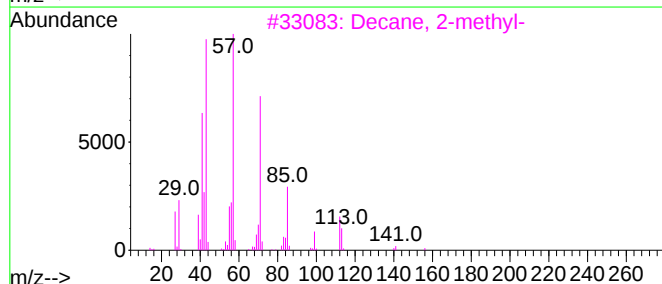
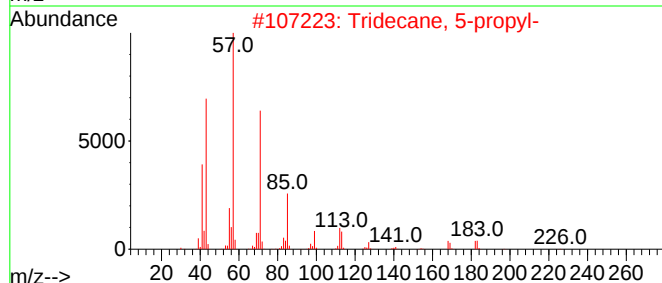
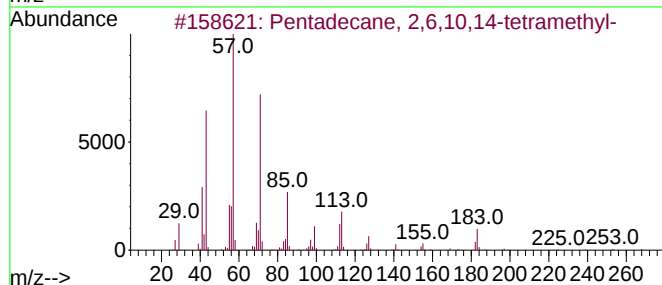
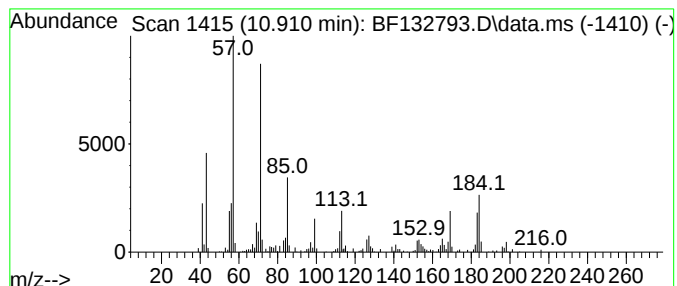
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentadecane, 2,6,10,14-tetr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.910	3.87 ng	300429	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	74
2			Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
3			Decane, 2-methyl-	156	C11H24	006975-98-0	58
4			Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	53
5			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	53



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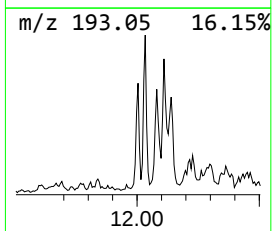
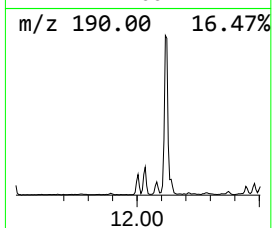
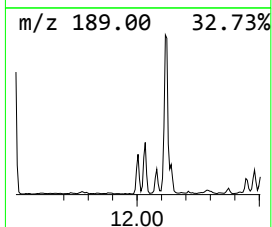
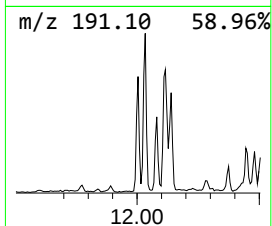
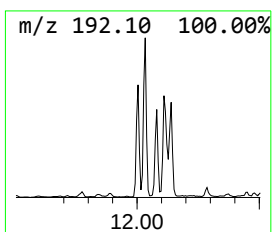
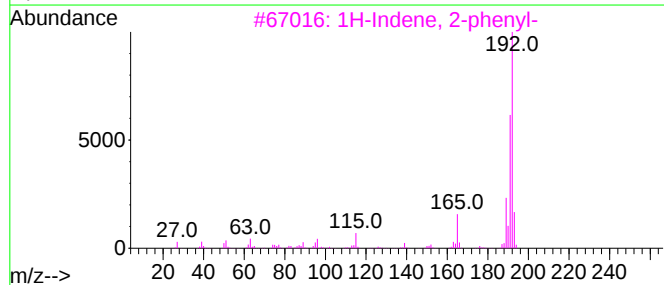
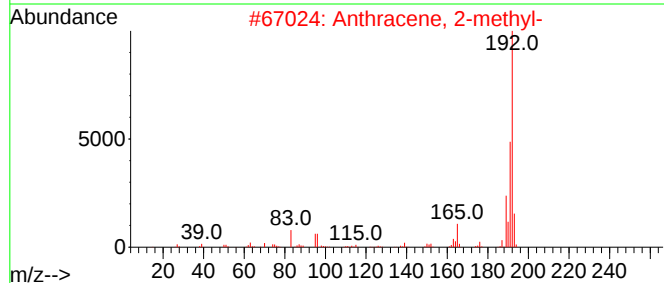
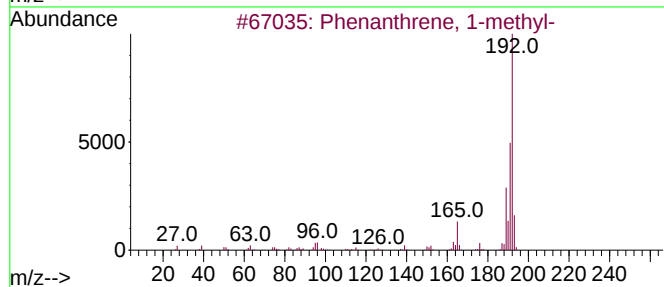
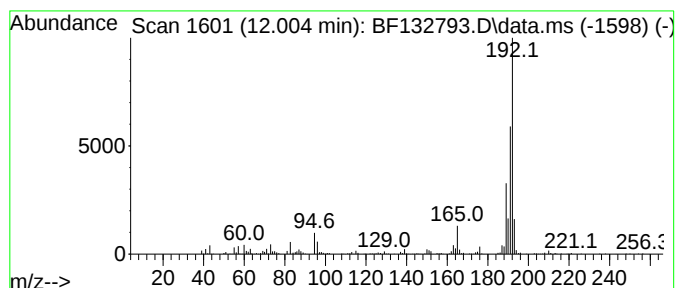
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	5.28 ng	409207	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UNION-1

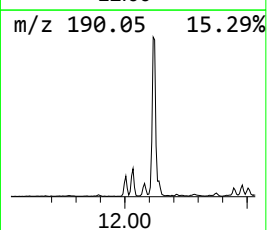
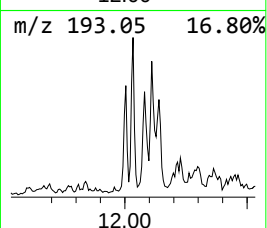
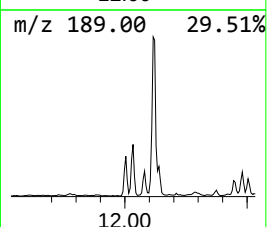
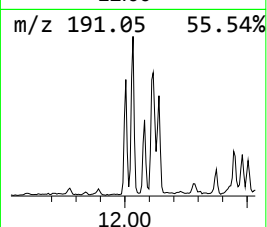
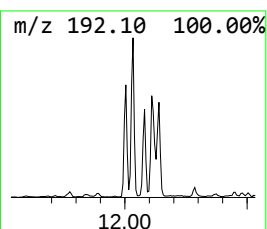
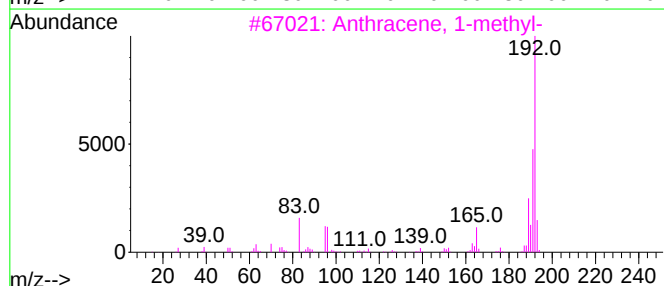
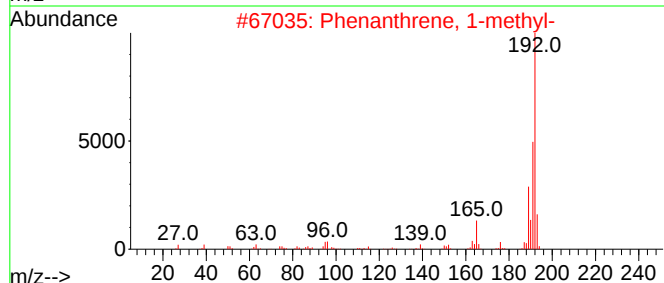
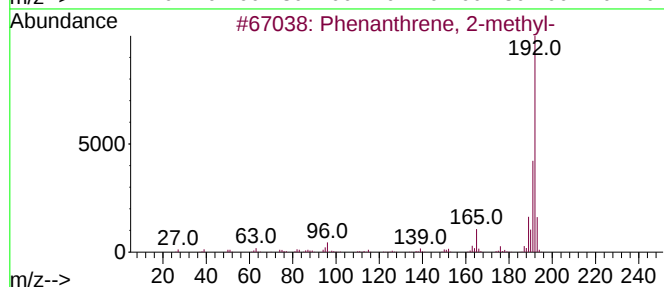
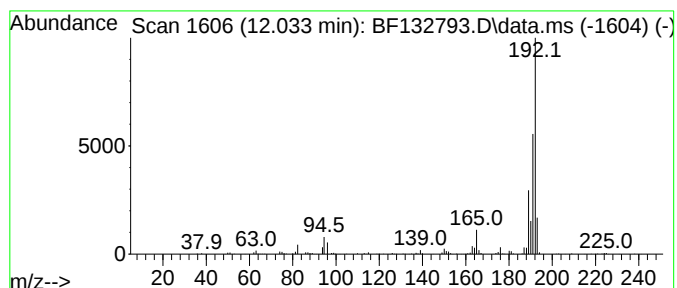
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	4.46 ng	346262	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UNION-1

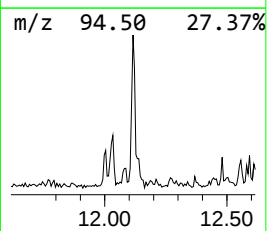
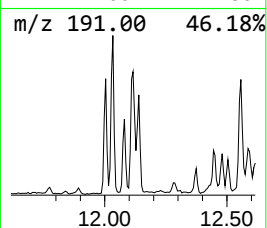
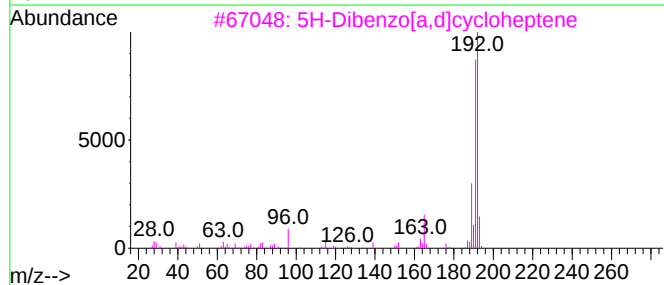
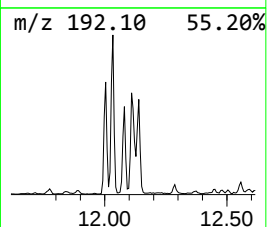
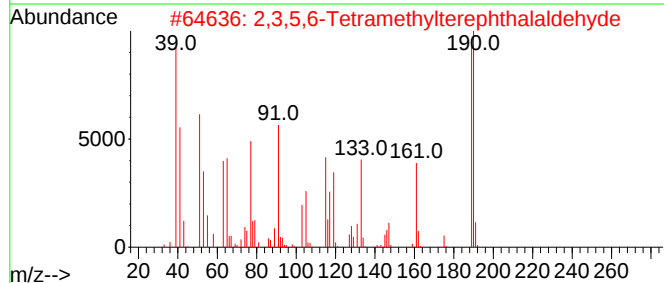
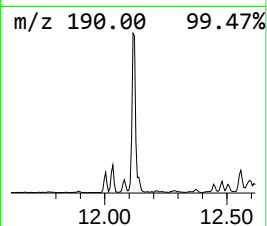
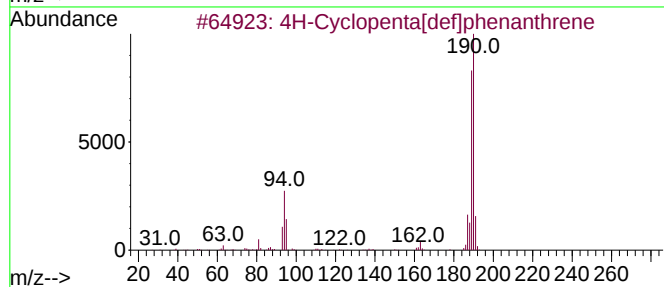
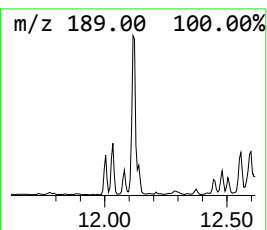
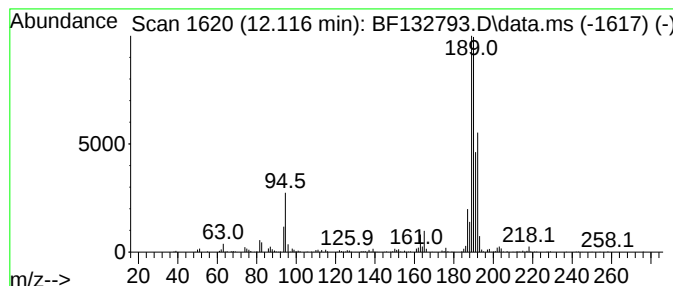
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	9.13 ng	708111	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
3			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	15
5			Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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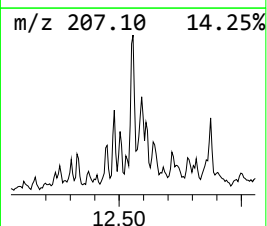
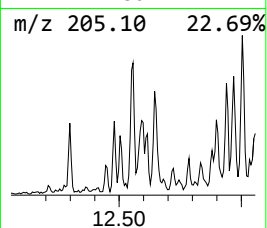
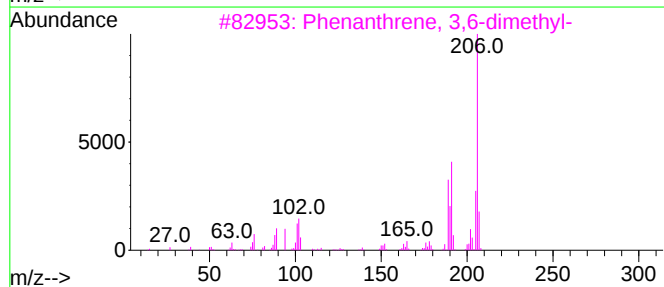
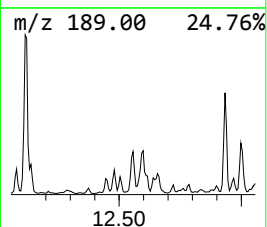
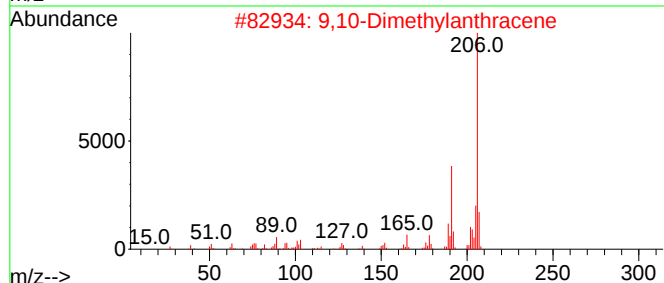
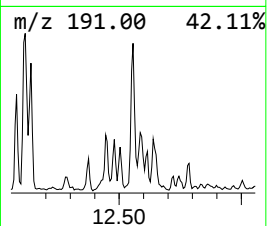
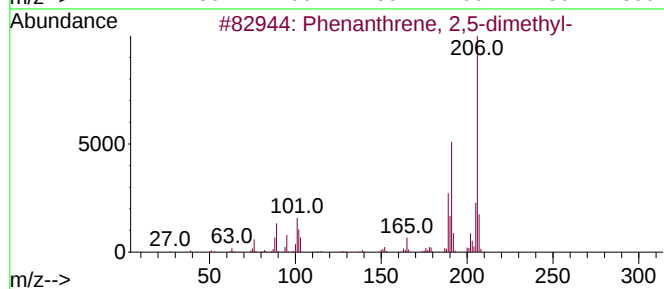
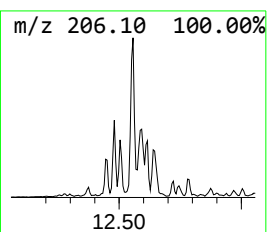
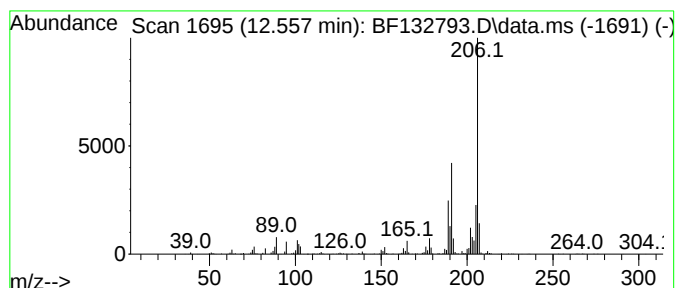
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	6.06 ng	469785	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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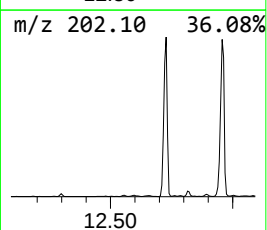
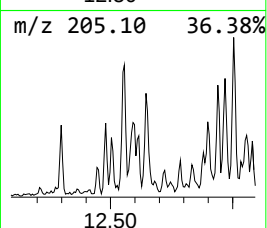
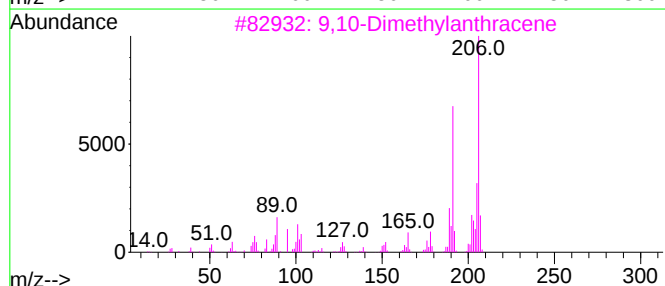
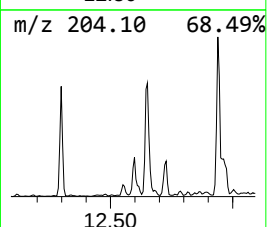
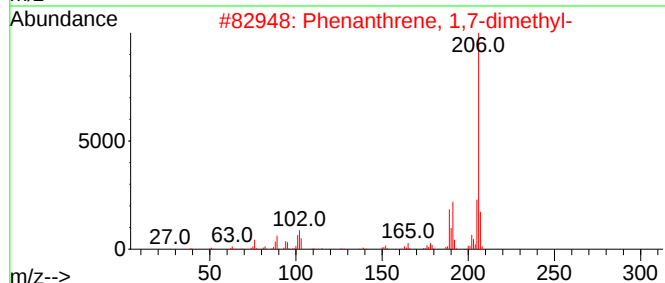
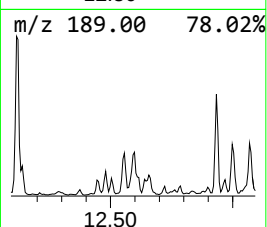
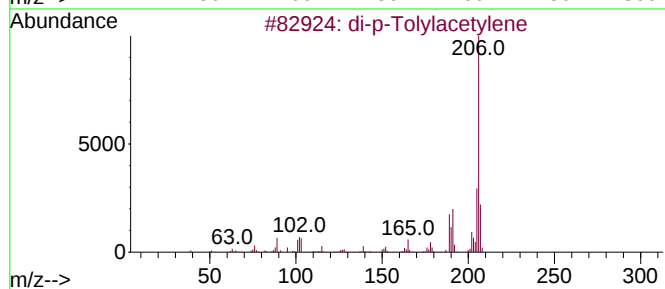
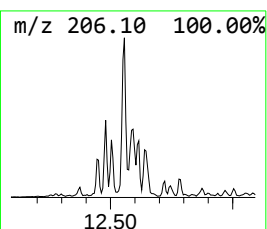
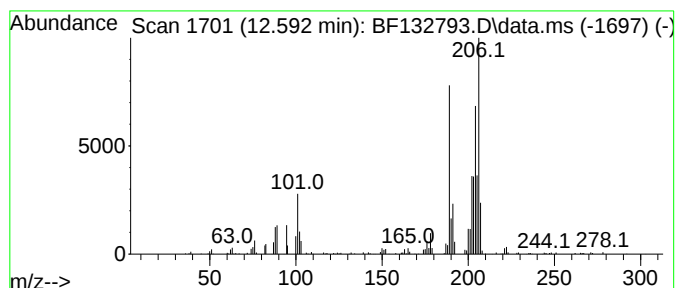
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	3.95 ng	306495	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	50
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	50
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	43
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
5			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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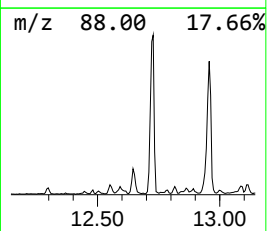
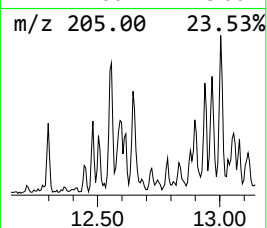
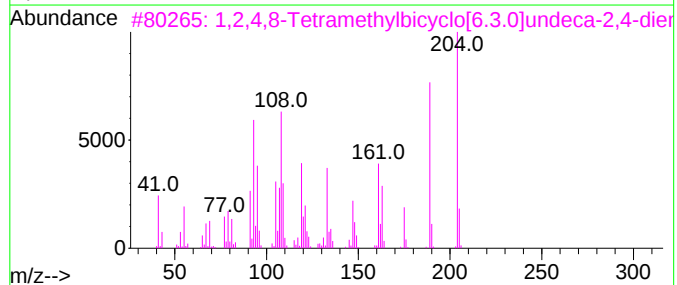
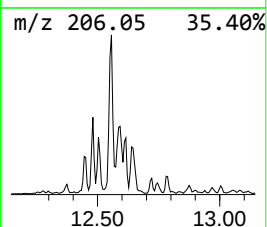
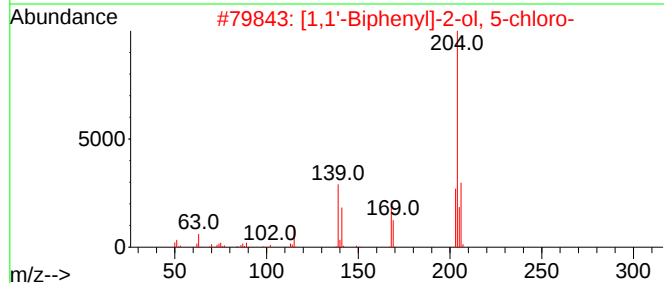
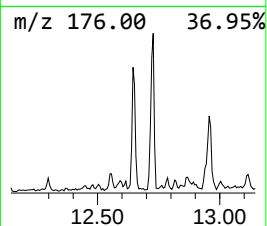
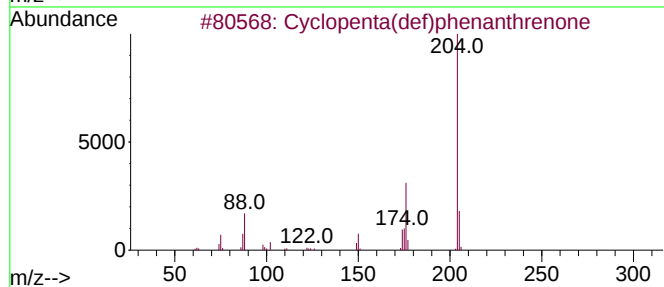
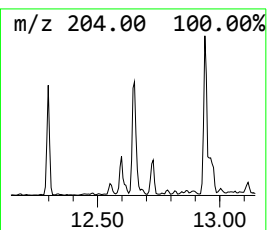
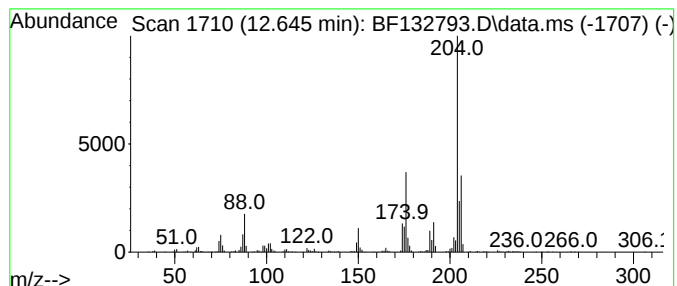
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	6.02 ng	467169	Phenanthrene-d10	11.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
3			1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-dien	204	C15H24	137235-51-9	43
4			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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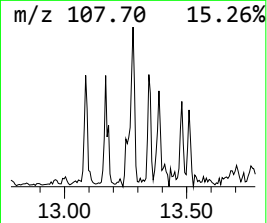
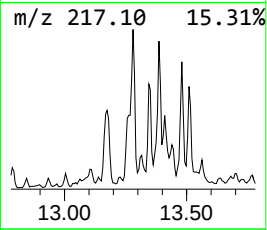
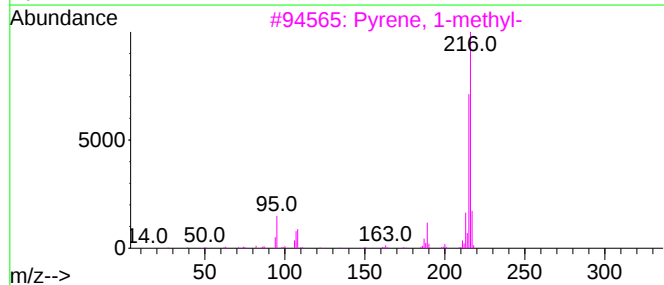
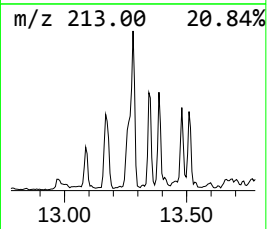
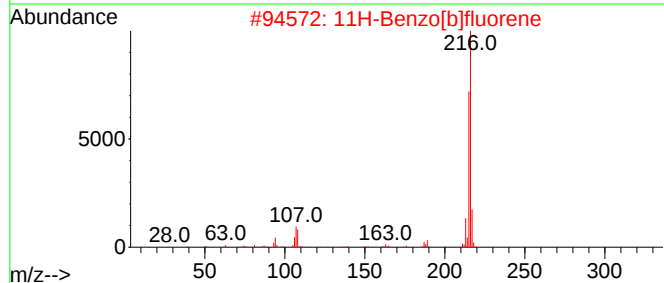
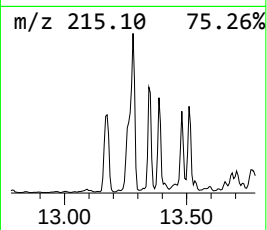
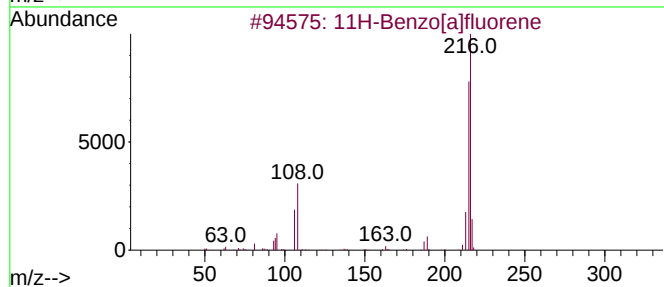
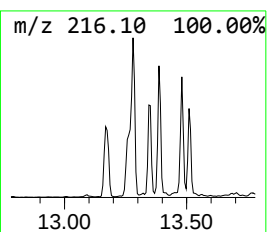
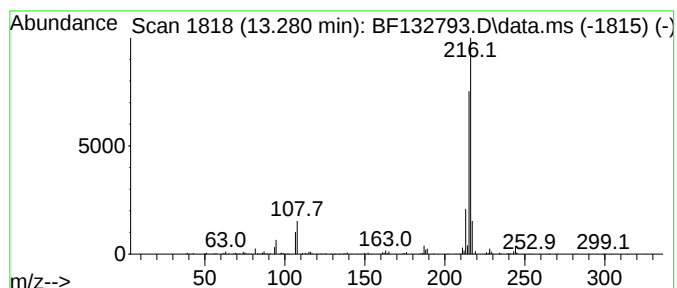
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	3.64 ng	1042890	Chrysene-d12	14.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

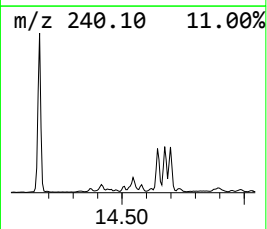
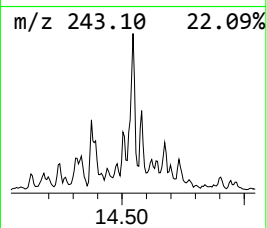
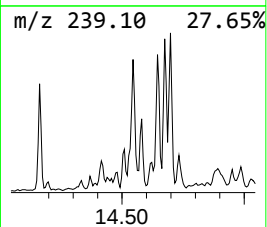
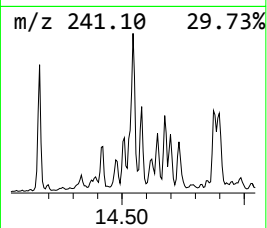
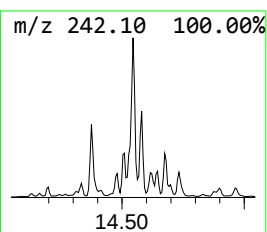
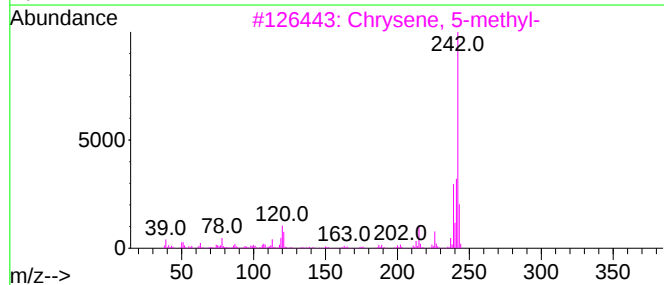
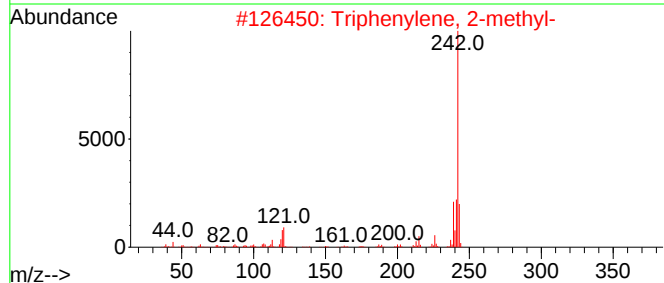
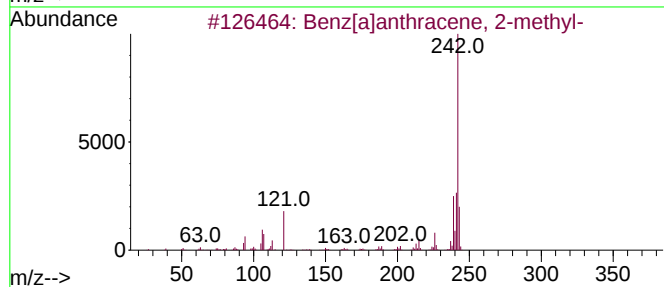
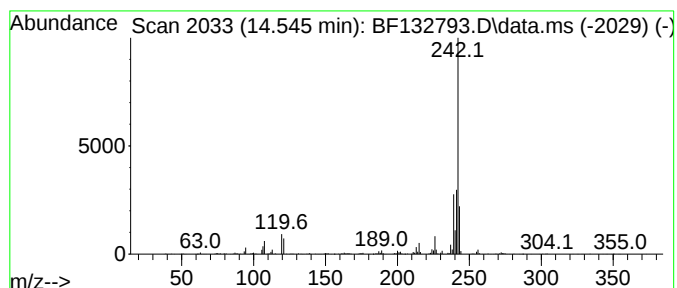
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ClientSampleId :
UNION-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benz[a]anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.545	4.23 ng	1211860	Chrysene-d12	14.163	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	96
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	94
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UNION-1

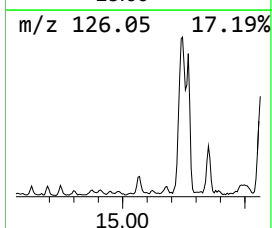
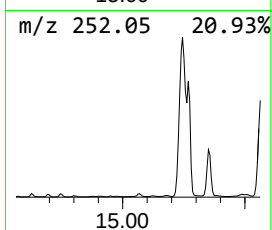
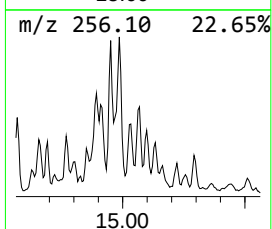
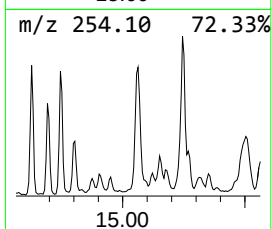
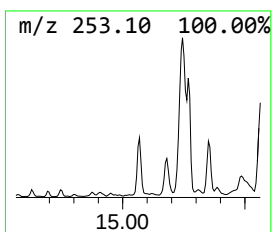
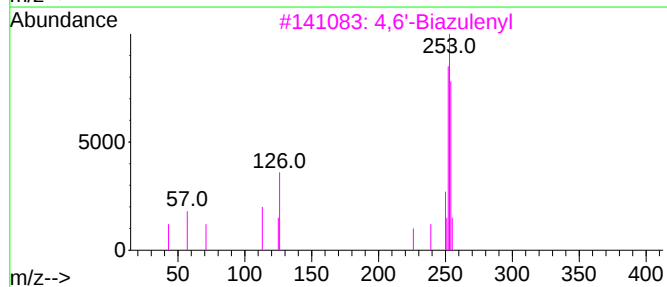
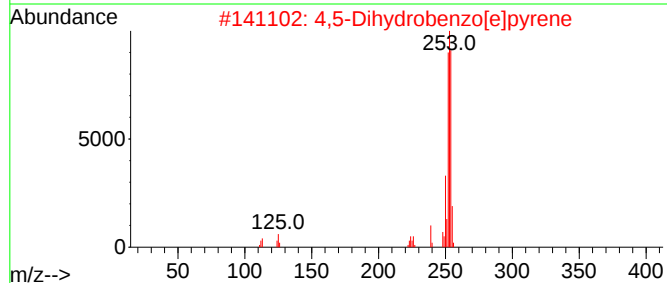
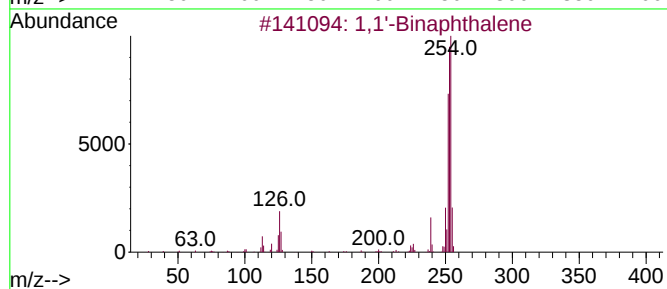
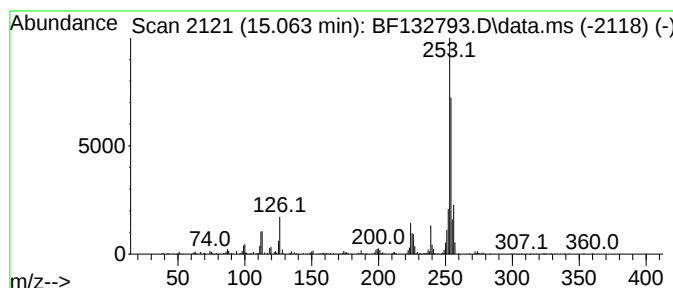
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Binaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.063	10.92 ng	561086	Perylene-d12	15.692

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Binaphthalene	254	C20H14	000604-53-5	89
2	4,5	-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	74
3	4,6'	-Biazulenyl	254	C20H14	094154-49-1	62
4	3H	-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	62
5	9,10	[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
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Sample : 01905-01
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Instrument :
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ClientSampleId :
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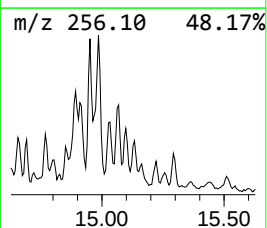
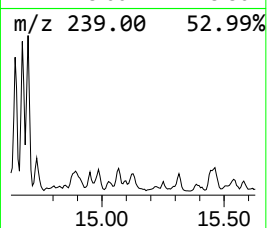
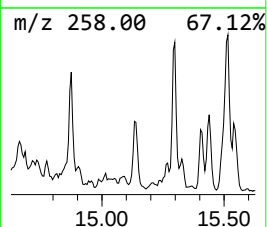
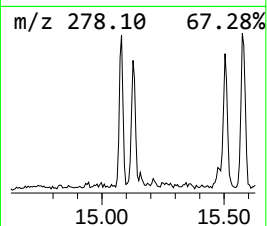
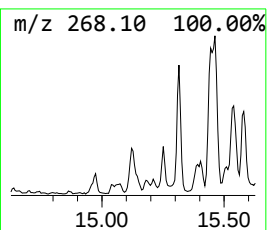
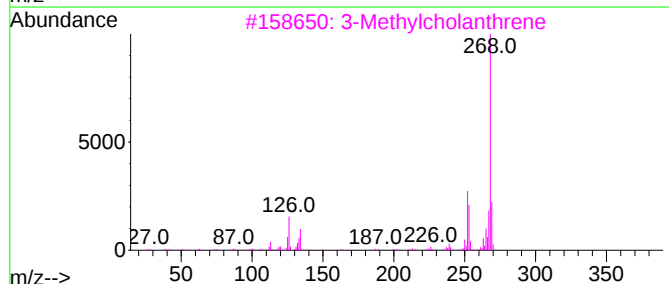
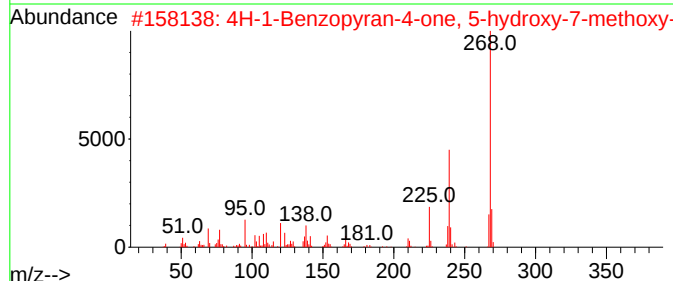
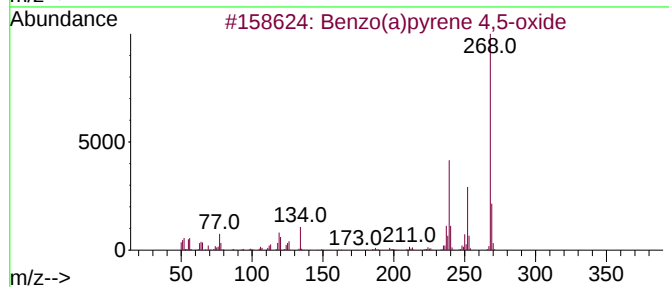
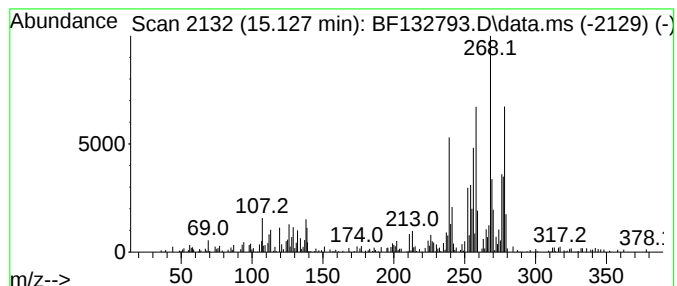
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown15.127 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	3.96 ng	203529	Perylene-d12	15.692

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	30
2		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	25
3		3-Methylcholanthrene	268	C21H16	000056-49-5	20
4		9-Methyl-10-phenylanthracene	268	C21H16	013425-08-6	18
5		1-Hydroxy-3-methoxy-6-methylanth...	268	C16H12O4	022225-63-4	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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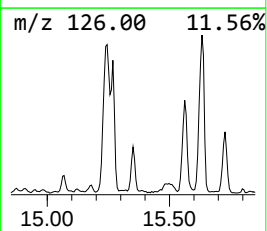
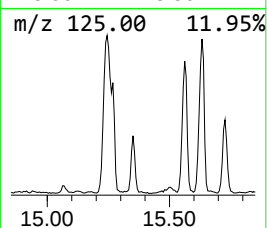
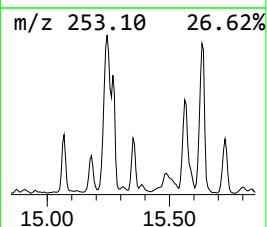
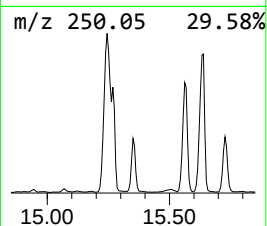
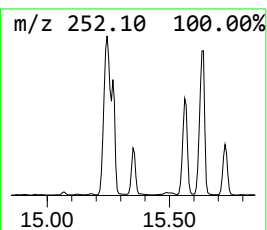
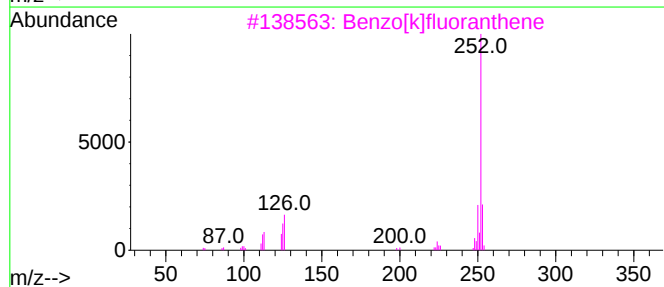
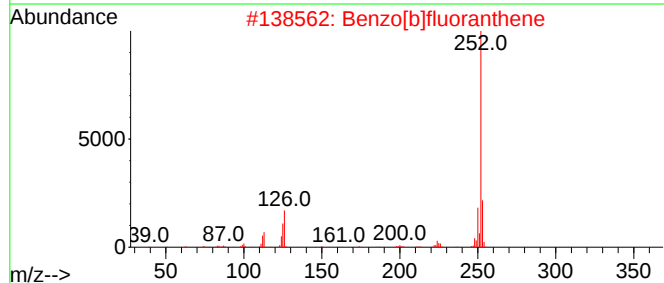
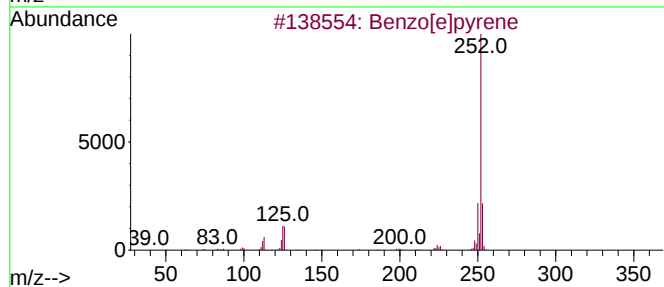
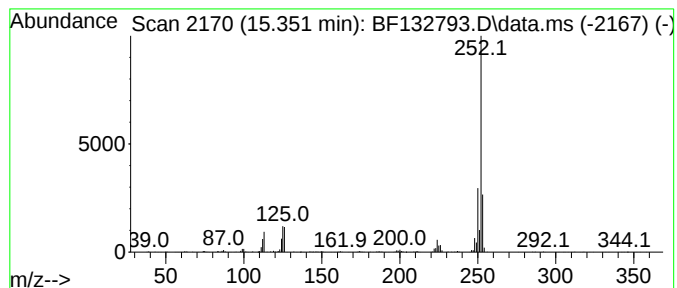
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	18.00 ng	924597	Perylene-d12	15.692

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
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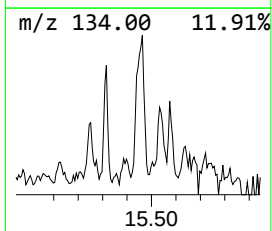
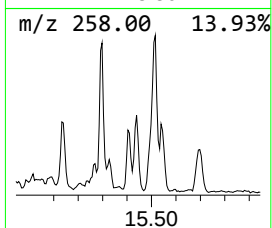
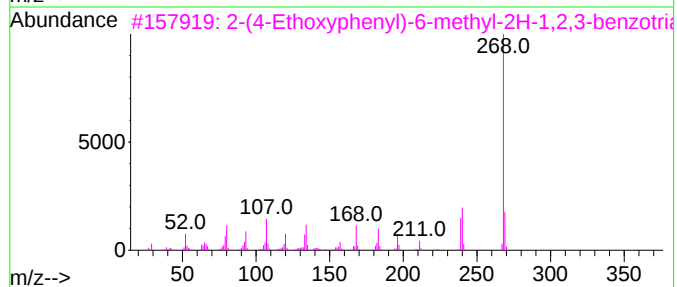
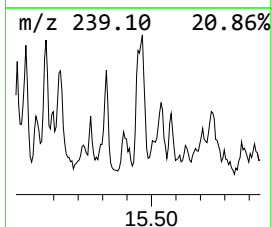
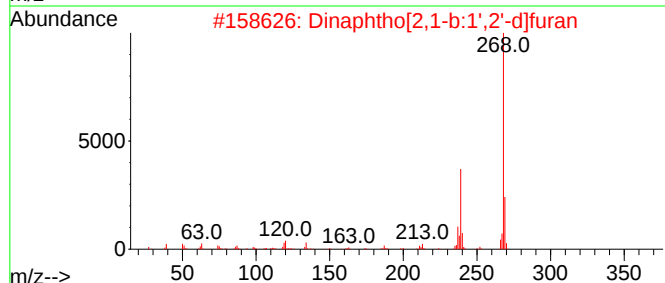
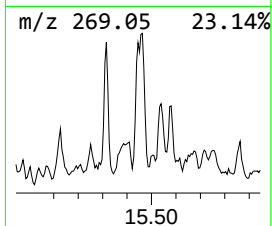
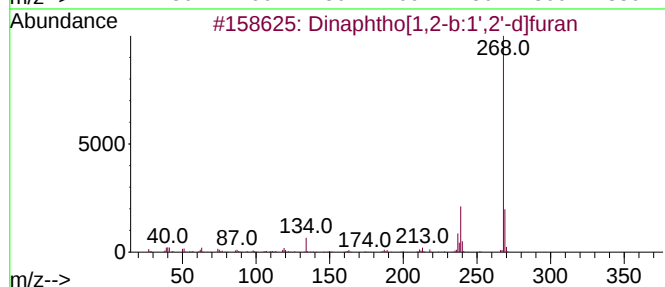
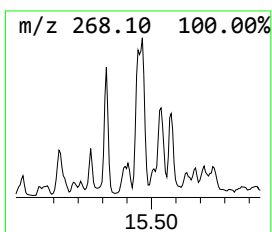
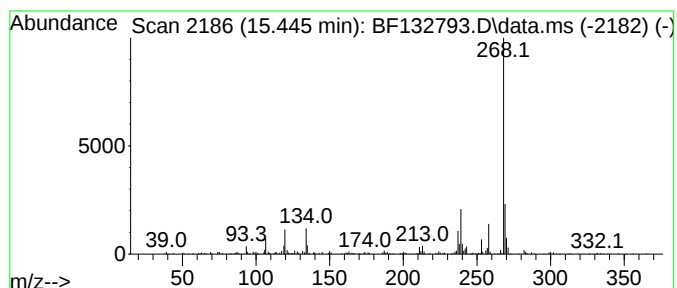
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.445	5.33 ng	273854	Perylene-d12	15.692	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3	2-(4-Ethoxyphenyl)-6-methyl-2H-1...	268	C15H16N4O	355818-00-7	59
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UNION-1

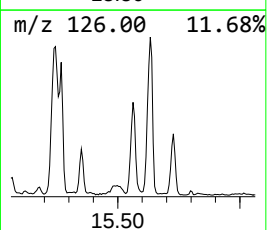
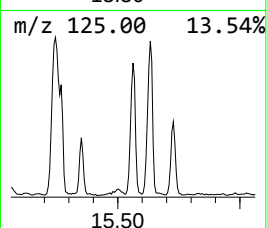
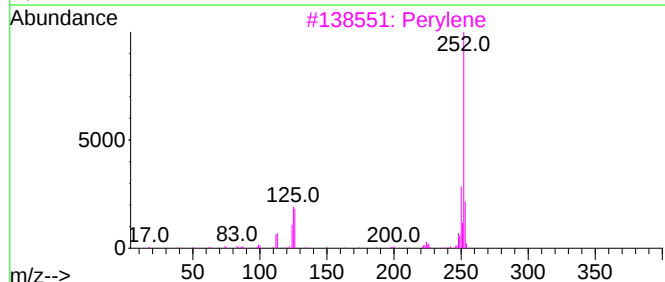
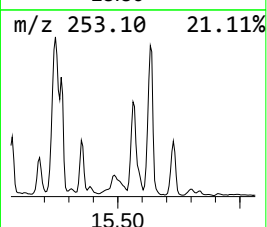
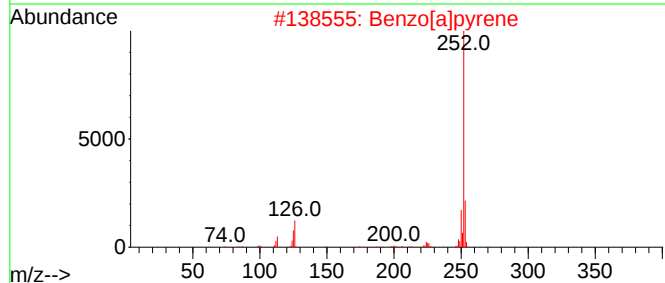
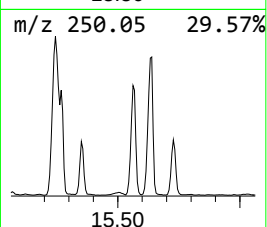
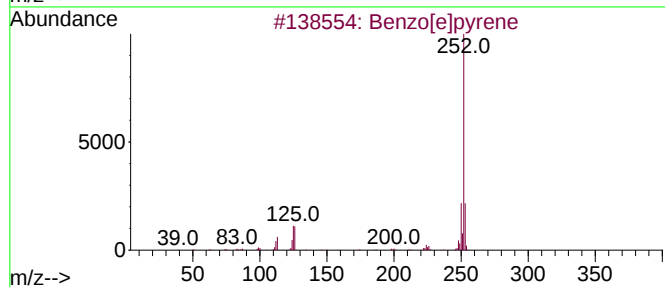
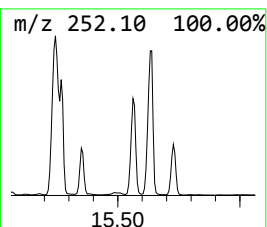
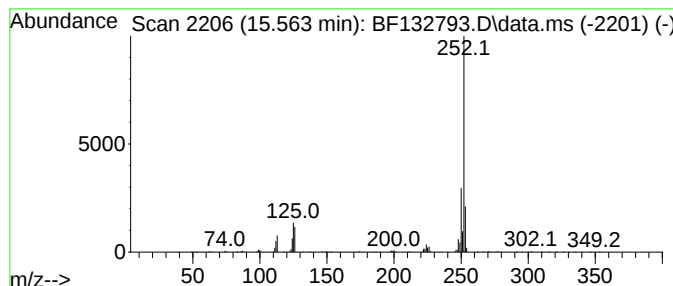
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.563	51.07 ng	2623340	Perylene-d12	15.692

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	96
3			Perylene	252	C20H12	000198-55-0	95
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
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Misc :
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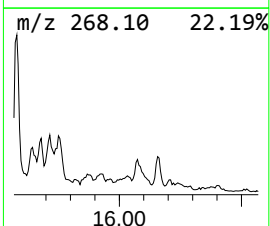
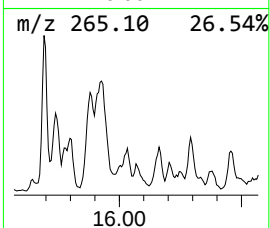
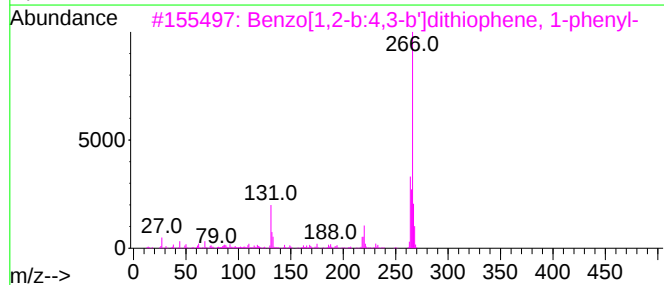
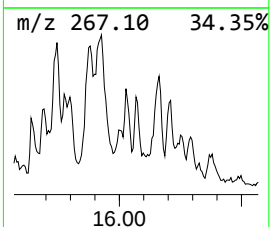
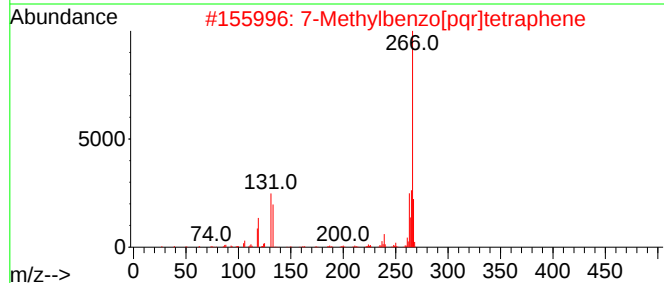
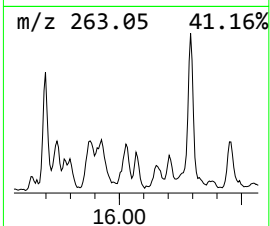
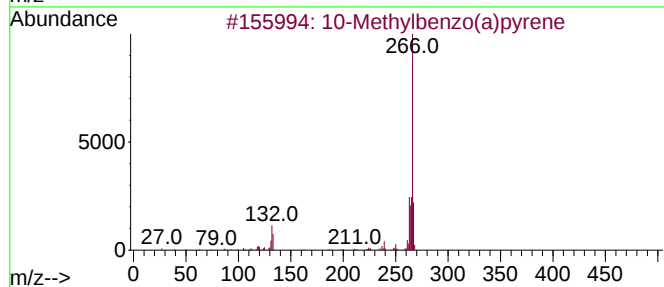
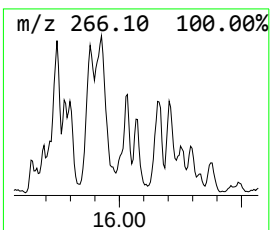
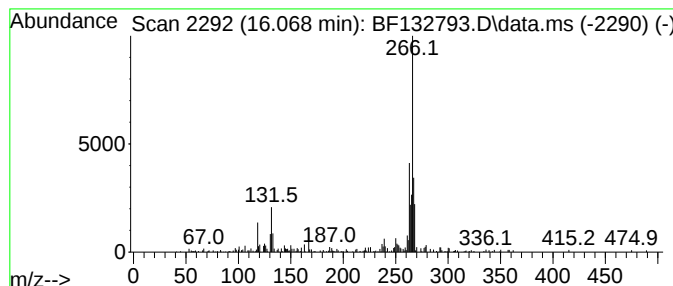
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 10-Methylbenzo(a)pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD			R.T.
16.068	4.24 ng	217930	Perylene-d12			15.692
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene		266	C21H14	063104-32-5	55
2	7-Methylbenzo[pqr]tetraphene		266	C21H14	063041-77-0	55
3	Benzo[1,2-b:4,3-b']dithiophene, ...		266	C16H10S2	016587-58-9	50
4	Benz[j]aceanthrylene, 3-methyl-		266	C21H14	003343-10-0	49
5	Perylene, 3-methyl-		266	C21H14	024471-47-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UNION-1

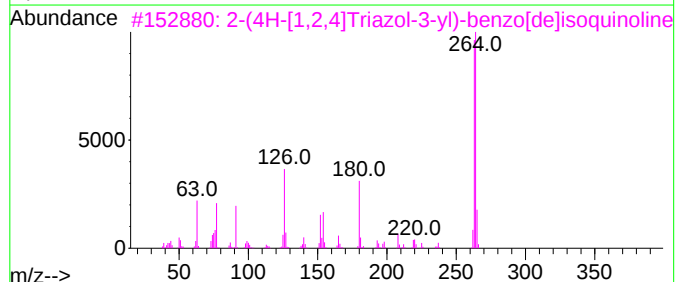
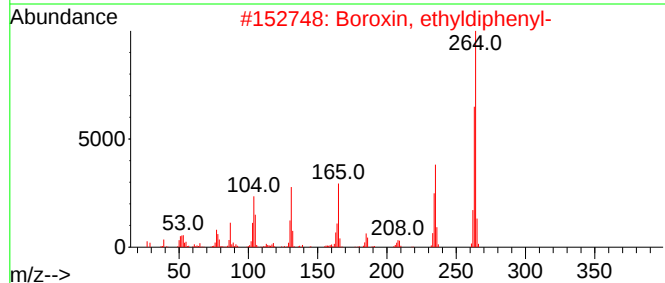
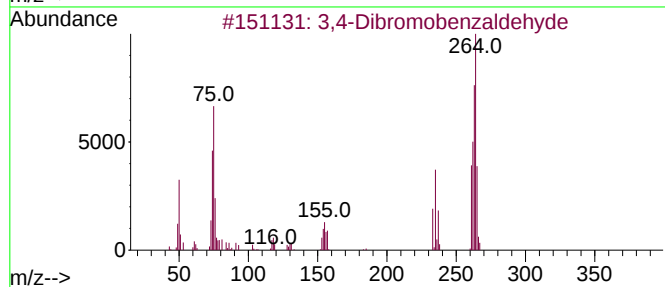
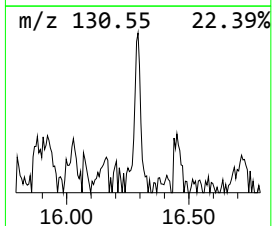
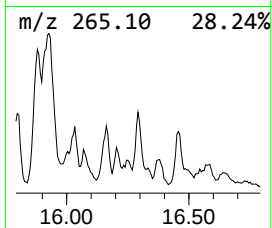
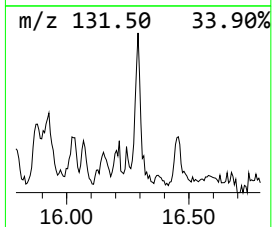
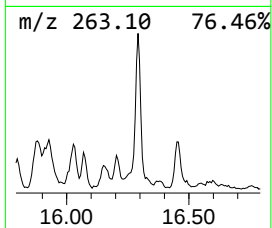
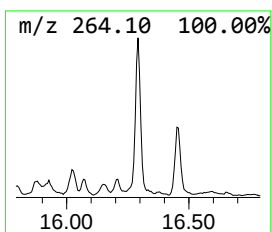
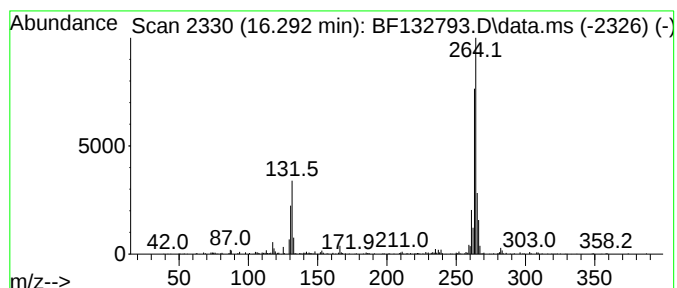
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3,4-Dibromobenzaldehyde Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.292	6.56 ng	336773	Perylene-d12	15.692

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
3		2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
4		Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
5		1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UNION-1

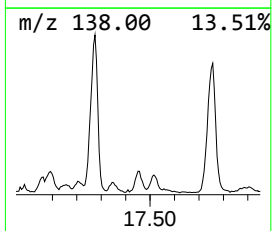
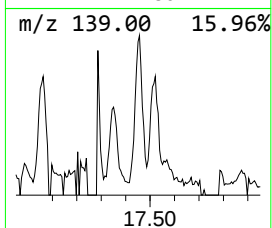
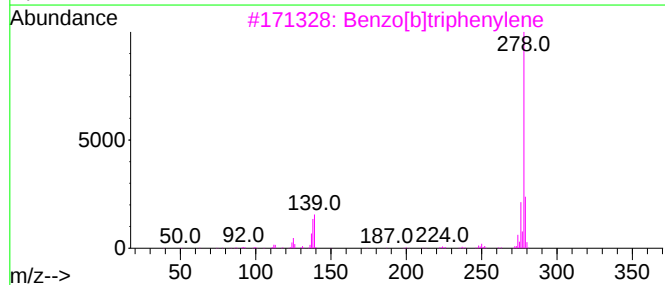
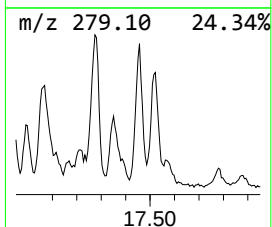
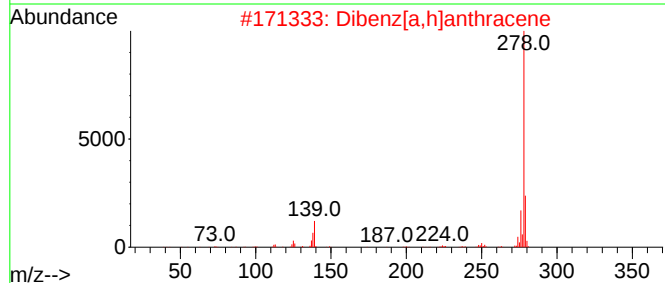
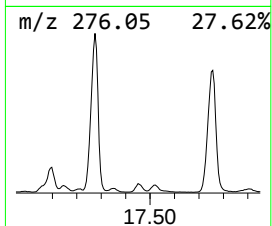
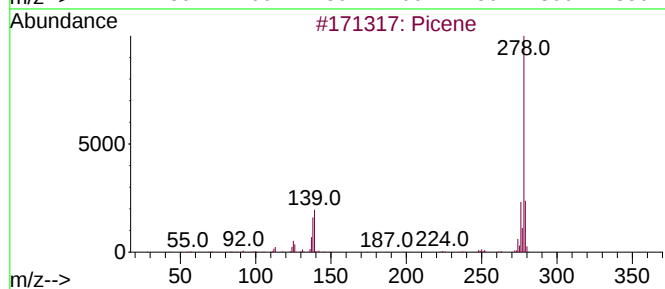
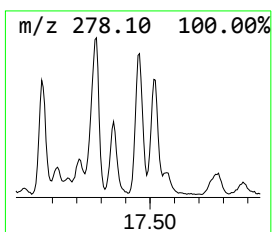
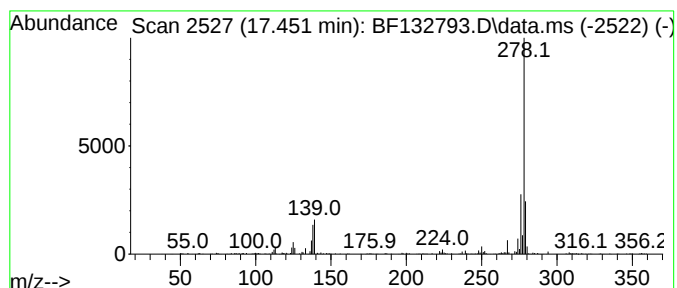
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.451	9.59 ng	492486	Perylene-d12	15.692

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Picene	278	C22H14	000213-46-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	98
4		Pentacene	278	C22H14	000135-48-8	96
5		Pentaphene	278	C22H14	000222-93-5	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

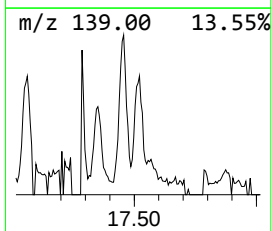
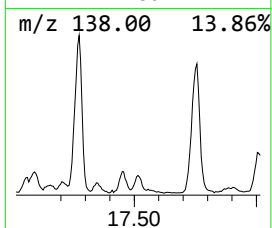
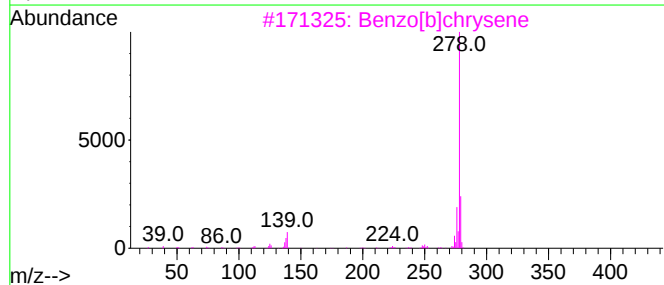
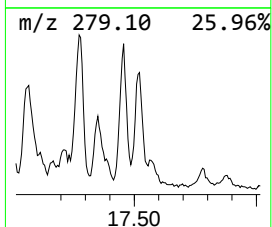
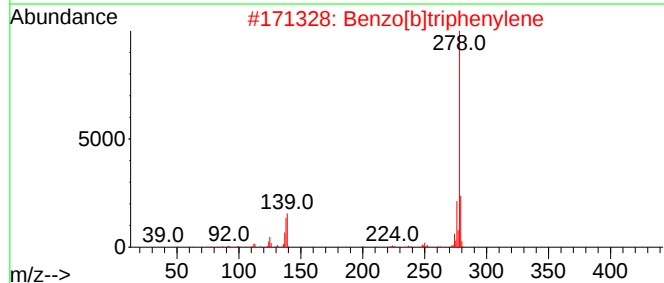
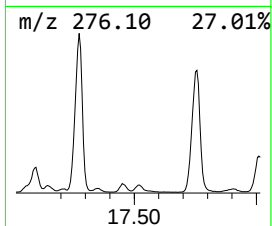
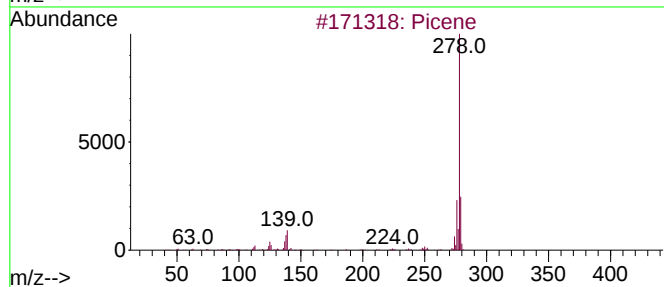
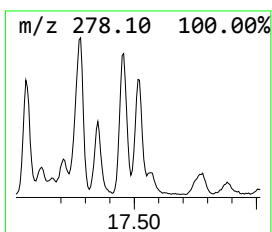
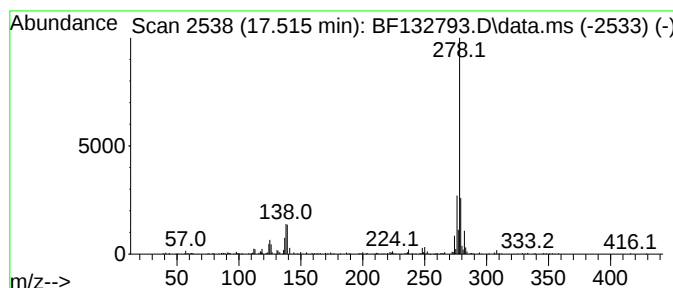
Instrument :
BNA_F
ClientSampleId :
UNION-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.515	6.86 ng	352206	Perylene-d12	15.692	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Pentaphene	278	C22H14	000222-93-5	93
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

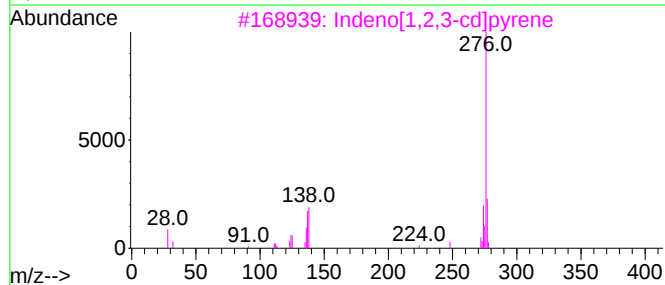
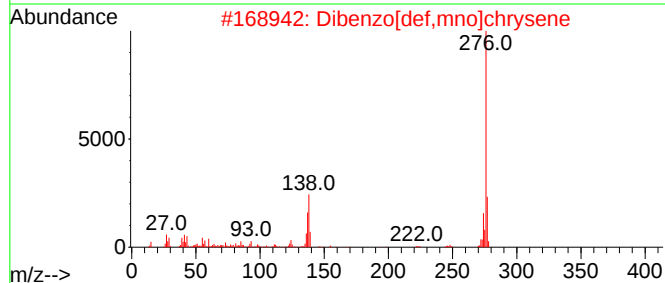
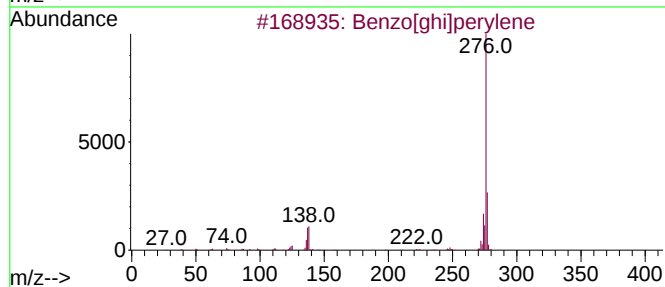
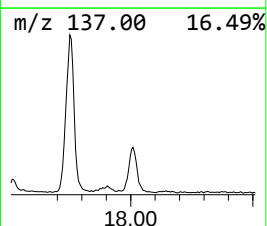
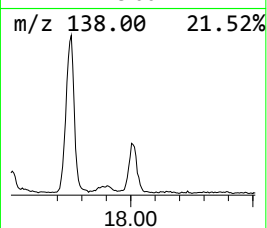
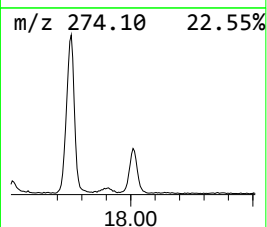
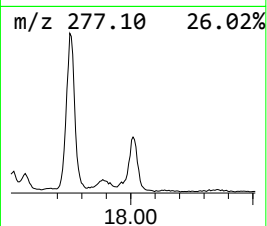
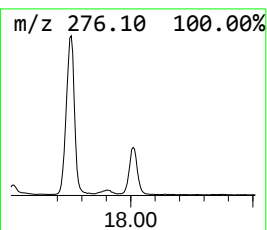
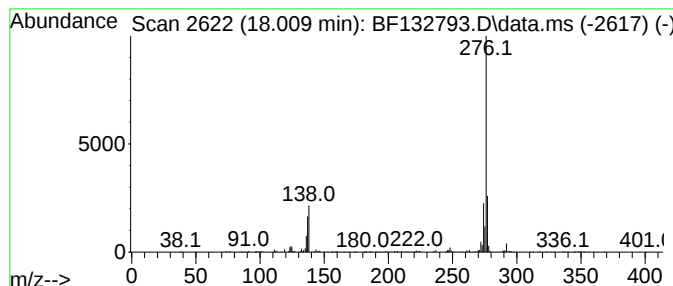
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.009	14.21 ng	729948	Perylene-d12	15.692	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
4	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132793.D
Acq On : 14 Mar 2023 23:06
Operator : CG\JU
Sample : 01905-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UNION-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.198	31.6	ng	1889830	1	6.963	1196560	20.0
Pentadecane, 2,...	10.910	3.9	ng	300429	4	11.498	1551260	20.0
Phenanthrene, 1...	12.004	5.3	ng	409207	4	11.498	1551260	20.0
Phenanthrene, 2...	12.033	4.5	ng	346262	4	11.498	1551260	20.0
4H-Cyclopenta[d...	12.116	9.1	ng	708111	4	11.498	1551260	20.0
Phenanthrene, 2...	12.557	6.1	ng	469785	4	11.498	1551260	20.0
di-p-Tolylacety...	12.592	4.0	ng	306495	4	11.498	1551260	20.0
Cyclopenta(def)...	12.645	6.0	ng	467169	4	11.498	1551260	20.0
11H-Benzo[a]flu...	13.280	3.6	ng	1042890	5	14.163	5736590	20.0
Benz[a]anthrace...	14.545	4.2	ng	1211860	5	14.163	5736590	20.0
1,1'-Binaphthalene	15.063	10.9	ng	561086	6	15.692	1027340	20.0
unknown15.127	15.127	4.0	ng	203529	6	15.692	1027340	20.0
Benzo[e]pyrene	15.351	18.0	ng	924597	6	15.692	1027340	20.0
Dinaphtho[1,2-b...	15.445	5.3	ng	273854	6	15.692	1027340	20.0
Perylene	15.563	51.1	ng	2623340	6	15.692	1027340	20.0
10-Methylbenzo(...	16.068	4.2	ng	217930	6	15.692	1027340	20.0
3,4-Dibromobenz...	16.292	6.6	ng	336773	6	15.692	1027340	20.0
Picene	17.451	9.6	ng	492486	6	15.692	1027340	20.0
Benzo[b]triphen...	17.515	6.9	ng	352206	6	15.692	1027340	20.0
Dibenzo[def,mno...	18.009	14.2	ng	729948	6	15.692	1027340	20.0