

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136700.D
 Acq On : 22 Dec 2023 22:57
 Operator : CG\JU
 Sample : 05765-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-01-10-11

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-BF122023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136700.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	493	497	503	rVB	86889	91383	5.37%	0.376%
2	5.422	563	567	575	rBV	1061677	930726	54.66%	3.834%
3	6.428	734	738	741	rBV	1251516	1059432	62.22%	4.364%
4	6.781	795	798	802	rVB	502975	381898	22.43%	1.573%
5	7.340	889	893	896	rBV	777696	693103	40.70%	2.855%
6	7.375	896	899	903	rVB	44714	36586	2.15%	0.151%
7	7.422	903	907	912	rBV4	24873	34679	2.04%	0.143%
8	8.057	1009	1015	1018	rBV	579198	537338	31.56%	2.213%
9	8.481	1084	1087	1089	rBV	50366	39713	2.33%	0.164%
10	8.651	1112	1116	1119	rBV	136331	104413	6.13%	0.430%
11	9.134	1194	1198	1201	rBV	1395076	1138074	66.84%	4.688%
12	9.216	1208	1212	1215	rBV	165360	133055	7.81%	0.548%
13	9.404	1240	1244	1247	rVB2	33547	42256	2.48%	0.174%
14	9.475	1252	1256	1258	rVV	74959	78462	4.61%	0.323%
15	9.498	1258	1260	1262	rVV2	46377	38108	2.24%	0.157%
16	9.539	1262	1267	1269	rVV	57153	68071	4.00%	0.280%
17	9.592	1273	1276	1280	rVB2	37581	45343	2.66%	0.187%
18	9.745	1300	1302	1307	rVB	146677	125937	7.40%	0.519%
19	9.816	1307	1314	1317	rBV	517554	469616	27.58%	1.934%
20	9.845	1317	1319	1323	rVB	115420	90010	5.29%	0.371%
21	9.975	1336	1341	1345	rBV4	44891	68090	4.00%	0.280%
22	10.016	1345	1348	1351	rVV3	65602	75848	4.45%	0.312%
23	10.057	1353	1355	1361	rVV3	48335	68233	4.01%	0.281%
24	10.222	1379	1383	1385	rVV2	33707	41503	2.44%	0.171%
25	10.251	1385	1388	1390	rVV	173064	146072	8.58%	0.602%
26	10.310	1394	1398	1402	rVV4	21201	34704	2.04%	0.143%
27	10.363	1403	1407	1413	rVV2	101933	112305	6.60%	0.463%
28	10.469	1420	1425	1428	rVV3	72993	119561	7.02%	0.492%
29	10.522	1431	1434	1437	rVV2	47514	52035	3.06%	0.214%
30	10.604	1443	1448	1452	rVV	340592	329252	19.34%	1.356%
31	10.722	1465	1468	1477	rVB	208255	266981	15.68%	1.100%
32	10.916	1496	1501	1503	rBV3	59011	76556	4.50%	0.315%
33	10.939	1503	1505	1509	rVV2	46815	49303	2.90%	0.203%
34	11.045	1521	1523	1525	rVV2	32098	39706	2.33%	0.164%
35	11.110	1531	1534	1537	rVV2	46635	43583	2.56%	0.180%
36	11.175	1542	1545	1547	rVV	212195	173605	10.20%	0.715%

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.204	1547	1550	1556	rVB	101046	112457	6.60%	0.463%
38	11.304	1564	1567	1569	rBV	421027	363700	21.36%	1.498%
39	11.333	1569	1572	1575	rVV	1008366	882107	51.80%	3.633%
40	11.380	1577	1580	1583	rVV	283366	230288	13.52%	0.949%
41	11.416	1583	1586	1589	rVV3	35152	43777	2.57%	0.180%
42	11.445	1589	1591	1596	rVV5	27881	44930	2.64%	0.185%
43	11.557	1608	1610	1615	rVV3	37411	47361	2.78%	0.195%
44	11.604	1615	1618	1621	rVV	243958	195828	11.50%	0.807%
45	11.639	1621	1624	1630	rVB4	52128	65172	3.83%	0.268%
46	11.763	1642	1645	1648	rBV2	40354	44867	2.63%	0.185%
47	11.810	1650	1653	1655	rVV	295761	237839	13.97%	0.980%
48	11.839	1655	1658	1661	rVV	423117	365221	21.45%	1.504%
49	11.886	1663	1666	1669	rVV	111771	114230	6.71%	0.471%
50	11.922	1669	1672	1674	rVV	374676	380366	22.34%	1.567%
51	11.945	1674	1676	1681	rVB	230436	179986	10.57%	0.741%
52	12.016	1685	1688	1691	rVV	149524	121560	7.14%	0.501%
53	12.110	1701	1704	1706	rVV	166870	147820	8.68%	0.609%
54	12.133	1706	1708	1711	rVB2	113997	89675	5.27%	0.369%
55	12.180	1714	1716	1723	rVB3	44972	50117	2.94%	0.206%
56	12.257	1727	1729	1732	rVV	80672	66709	3.92%	0.275%
57	12.286	1732	1734	1737	rVV2	70029	68766	4.04%	0.283%
58	12.363	1743	1747	1750	rBV	265479	267460	15.71%	1.102%
59	12.404	1750	1754	1759	rVB2	204658	255616	15.01%	1.053%
60	12.451	1759	1762	1766	rBV2	131516	145316	8.53%	0.599%
61	12.527	1771	1775	1778	rBV	1418352	1248939	73.35%	5.144%
62	12.763	1808	1815	1820	rVB	1518793	1702763	100.00%	7.014%
63	12.810	1820	1823	1827	rVB2	62865	89145	5.24%	0.367%
64	12.874	1830	1834	1835	rBV2	57020	54381	3.19%	0.224%
65	12.904	1835	1839	1846	rVB	944925	933198	54.80%	3.844%
66	12.974	1846	1851	1855	rBV4	148063	229361	13.47%	0.945%
67	13.063	1863	1866	1867	rBV2	107556	109676	6.44%	0.452%
68	13.086	1867	1870	1873	rVB	198290	198496	11.66%	0.818%
69	13.151	1873	1881	1885	rBV3	122488	243551	14.30%	1.003%
70	13.192	1885	1888	1890	rVB	187542	169785	9.97%	0.699%
71	13.280	1901	1903	1906	rBV	139044	122495	7.19%	0.505%
72	13.310	1906	1908	1911	rVB	148296	137575	8.08%	0.567%
73	13.392	1919	1922	1927	rVB5	57041	73037	4.29%	0.301%
74	13.480	1935	1937	1940	rBV4	44466	49402	2.90%	0.203%
75	13.598	1954	1957	1965	rVB	138985	171461	10.07%	0.706%
76	13.704	1971	1975	1978	rBV2	120559	159619	9.37%	0.657%

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 ClientSampleId :
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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-BF122023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.733	1978	1980	1982	rVV	158226	136266	8.00%	0.561%
78	13.757	1982	1984	1990	rVV2	107221	125954	7.40%	0.519%
79	13.810	1990	1993	1997	rVB	149534	141232	8.29%	0.582%
80	13.874	1999	2004	2007	rBV4	43018	80046	4.70%	0.330%
81	13.957	2013	2018	2021	rBV2	877744	1213560	71.27%	4.999%
82	13.992	2021	2024	2029	rVB	702178	704907	41.40%	2.903%
83	14.069	2034	2037	2039	rVB	84448	62744	3.68%	0.258%
84	14.127	2045	2047	2053	rVB5	44356	52776	3.10%	0.217%
85	14.316	2076	2079	2081	rBV	55942	60095	3.53%	0.248%
86	14.351	2081	2085	2088	rVV	211176	199291	11.70%	0.821%
87	14.380	2088	2090	2094	rVB	94930	82836	4.86%	0.341%
88	14.439	2094	2100	2103	rBV3	149146	264127	15.51%	1.088%
89	14.474	2103	2106	2108	rVV	110120	114130	6.70%	0.470%
90	14.498	2108	2110	2113	rVB2	68844	69878	4.10%	0.288%
91	14.598	2125	2127	2132	rVB2	49605	45657	2.68%	0.188%
92	14.821	2162	2165	2167	rBV	69451	84475	4.96%	0.348%
93	15.010	2192	2197	2200	rBV	487698	726290	42.65%	2.992%
94	15.116	2212	2215	2219	rVB	89872	95277	5.60%	0.392%
95	15.316	2244	2249	2255	rVB	289520	396227	23.27%	1.632%
96	15.374	2255	2259	2265	rVV	435864	559546	32.86%	2.305%
97	15.439	2265	2270	2273	rVV	277416	365559	21.47%	1.506%
98	15.468	2273	2275	2282	rVB2	123148	175810	10.32%	0.724%
99	16.927	2518	2523	2534	rVB2	123096	267495	15.71%	1.102%
100	17.386	2595	2601	2608	rBV	106602	204424	12.01%	0.842%

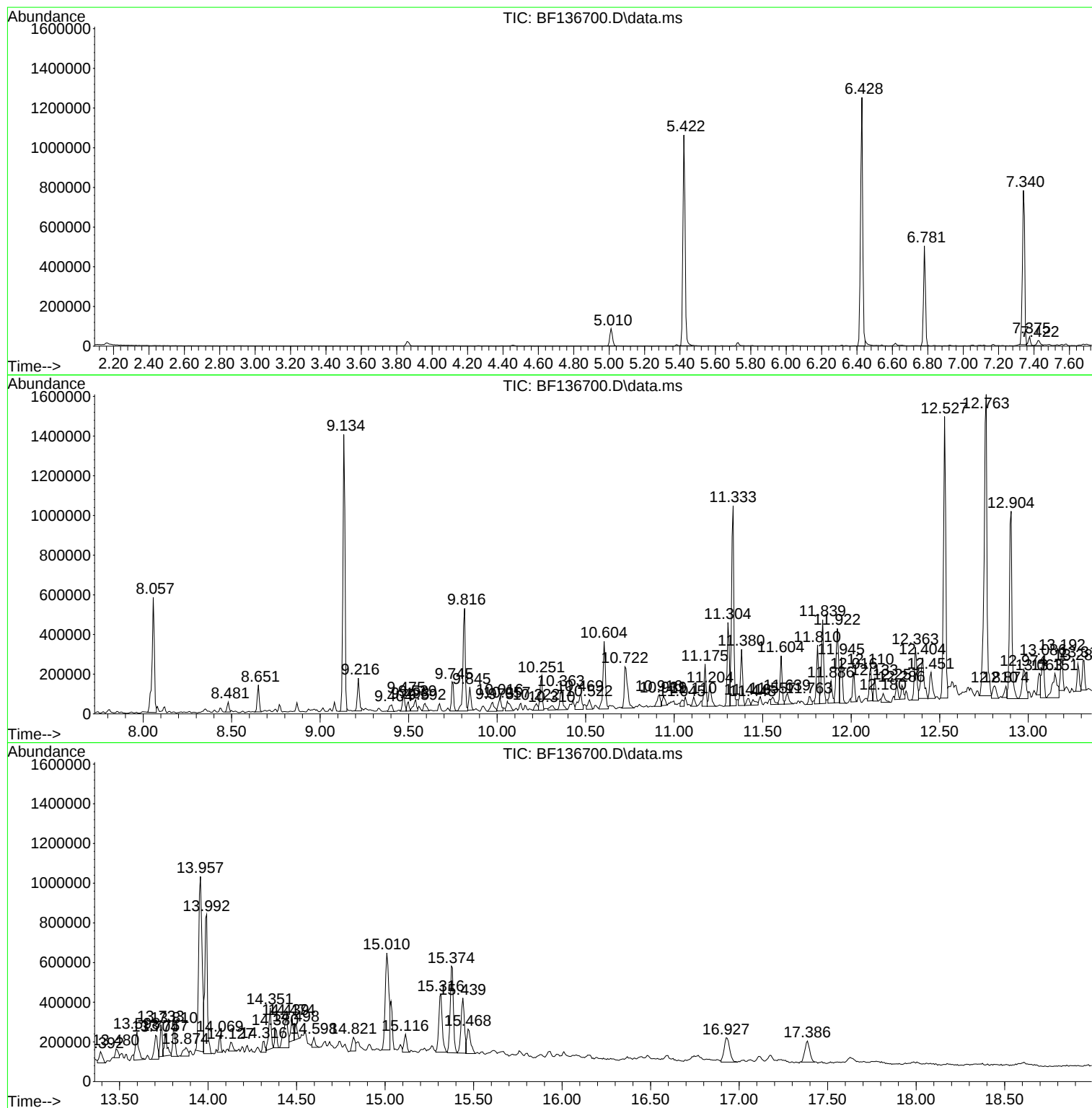
Sum of corrected areas: 24278194

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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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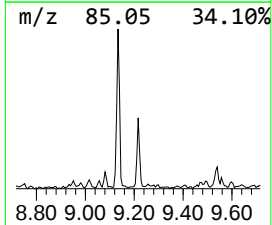
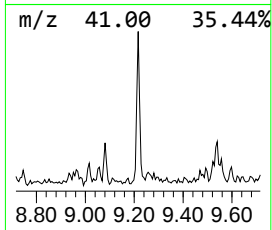
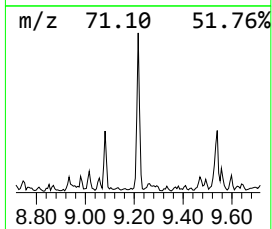
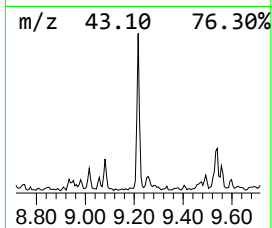
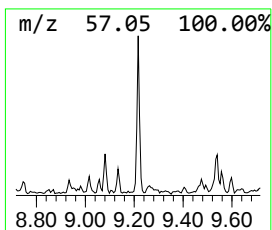
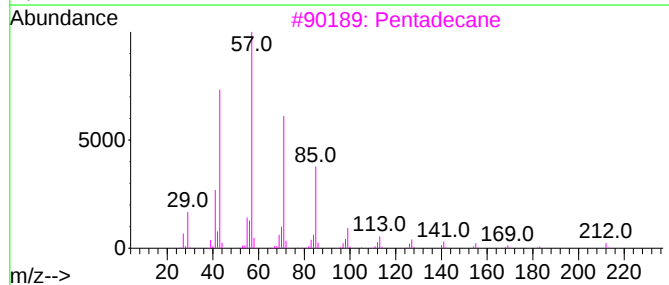
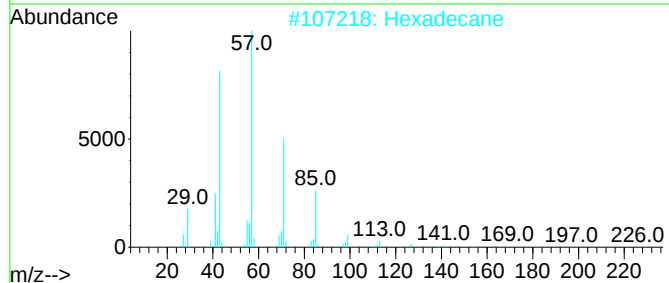
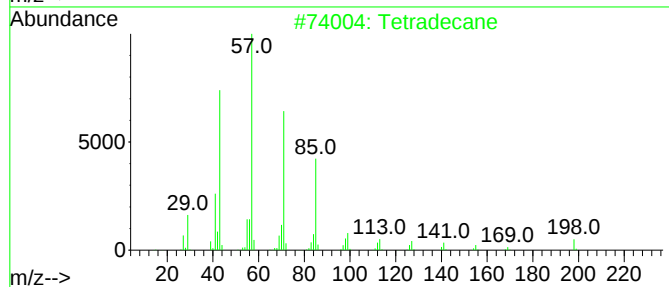
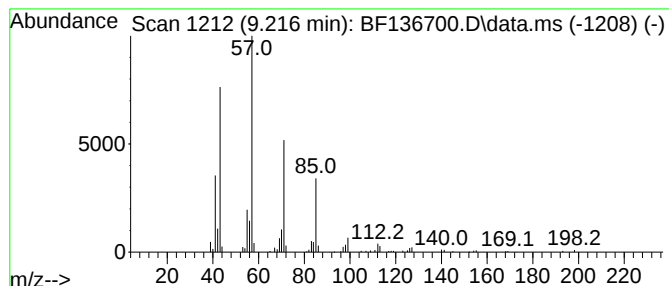
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.216	5.67 ng	133055	Acenaphthene-d10	9.816

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	93
2		Hexadecane	226	C16H34	000544-76-3	91
3		Pentadecane	212	C15H32	000629-62-9	86
4		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	76



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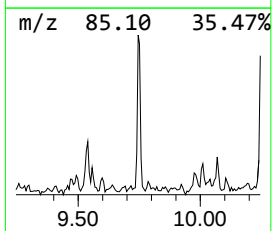
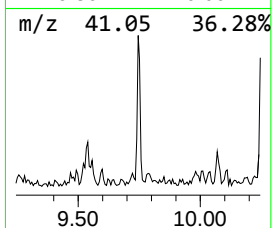
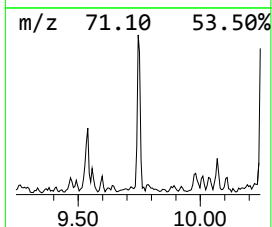
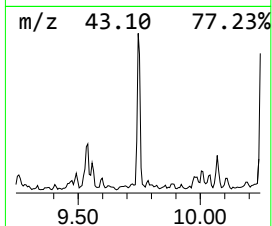
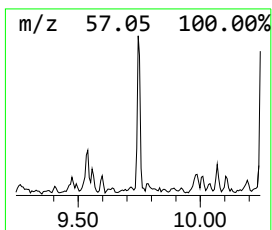
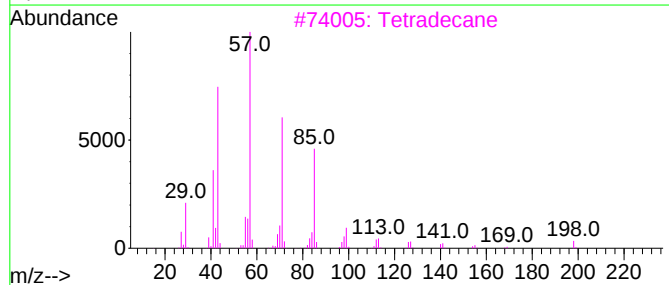
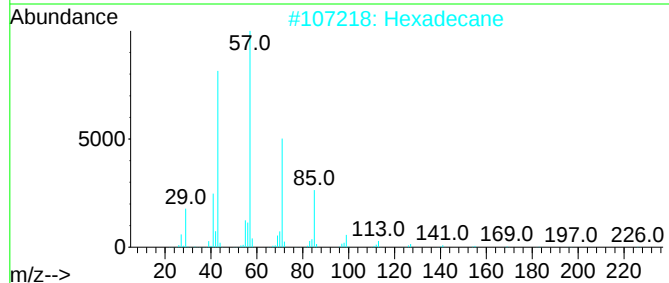
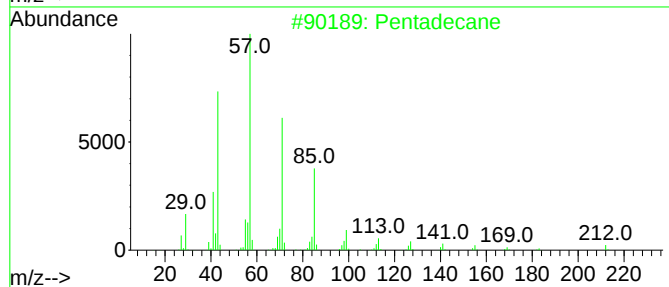
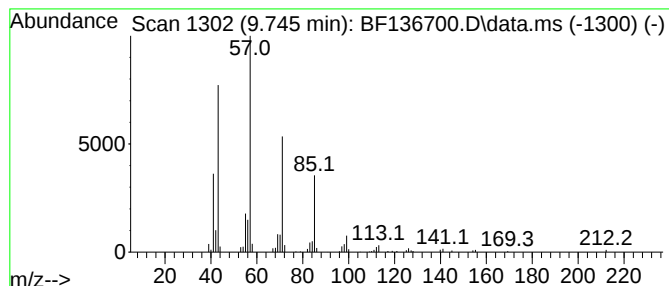
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.745	5.36 ng	125937	Acenaphthene-d10	9.816

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	93
2			Hexadecane	226	C16H34	000544-76-3	91
3			Tetradecane	198	C14H30	000629-59-4	90
4			Tridecane	184	C13H28	000629-50-5	86
5			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	80



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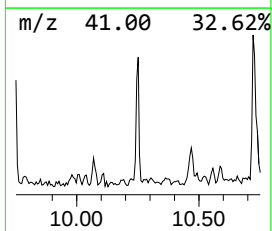
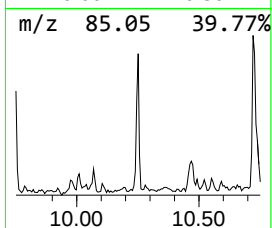
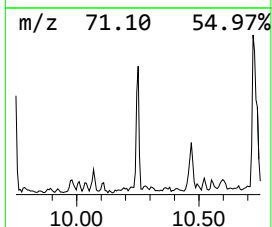
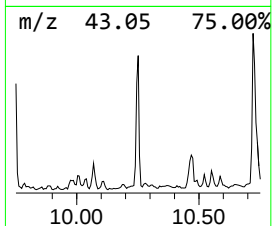
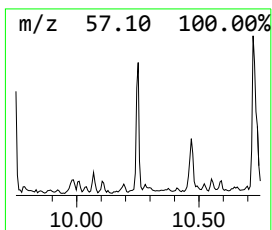
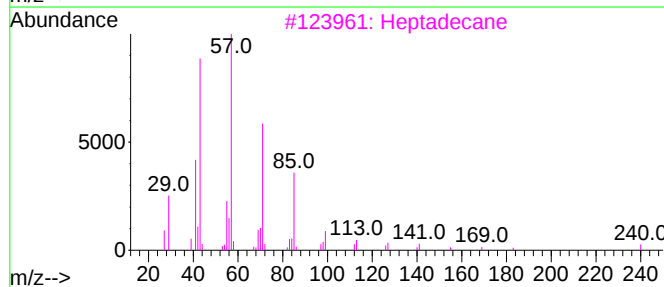
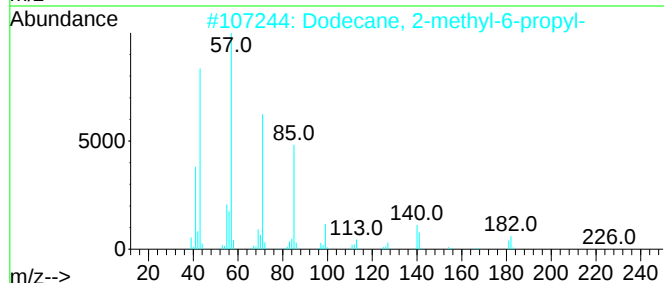
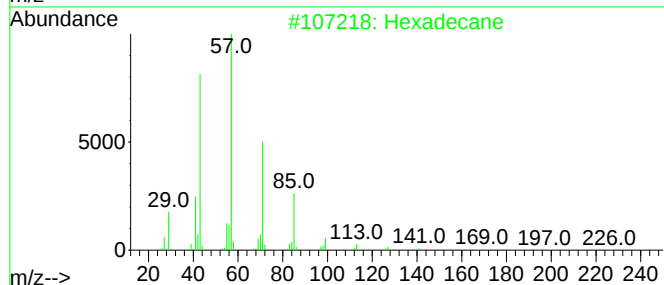
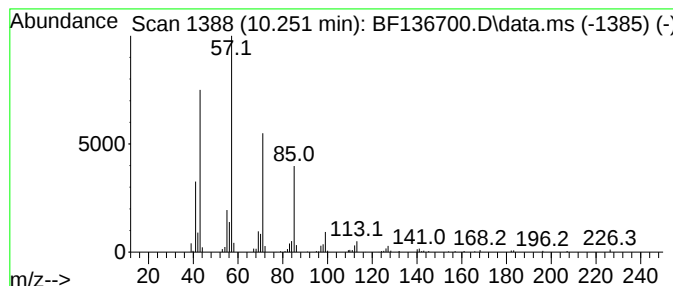
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	6.22 ng	146072	Acenaphthene-d10	9.816

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	97
2			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3			Heptadecane	240	C17H36	000629-78-7	90
4			Tridecane	184	C13H28	000629-50-5	86
5			Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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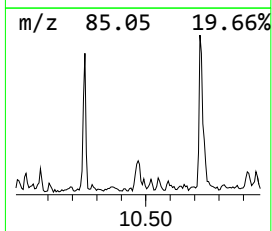
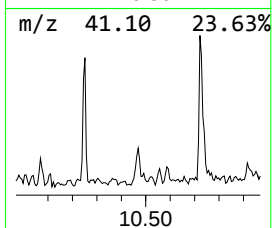
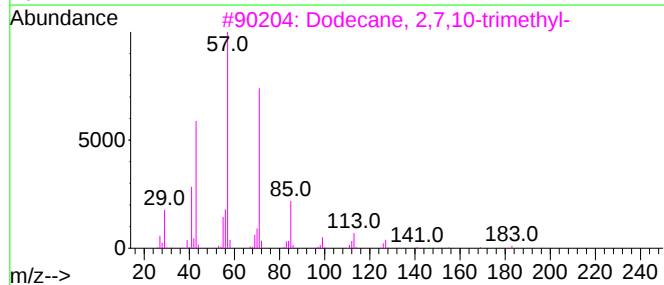
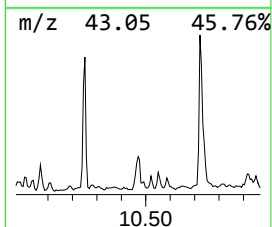
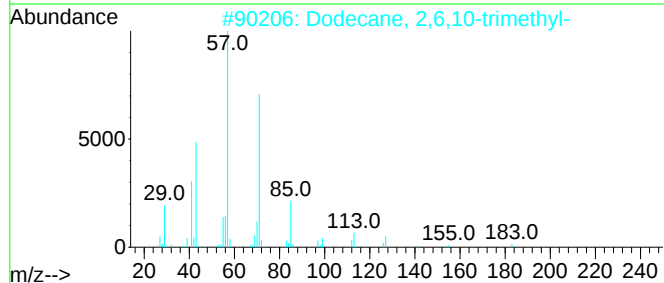
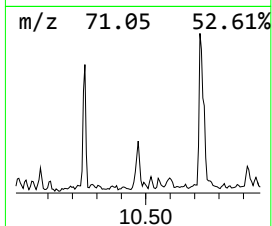
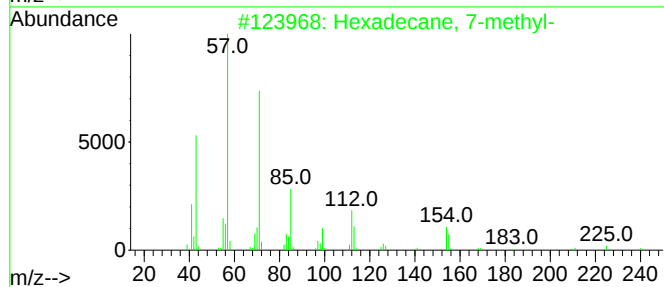
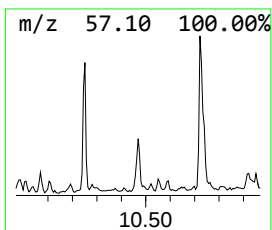
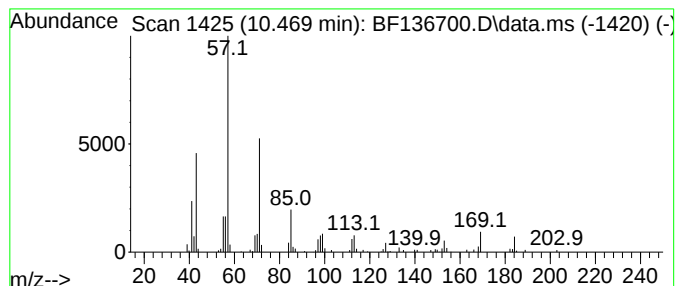
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexadecane, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	5.09 ng	119561	Acenaphthene-d10	9.816

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 7-methyl-	240	C17H36	026730-20-1	59
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58
4			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	53
5			Octacosane	394	C28H58	000630-02-4	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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ClientSampleId :
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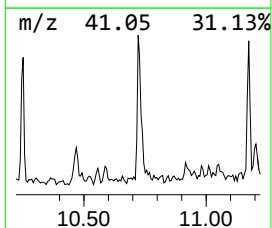
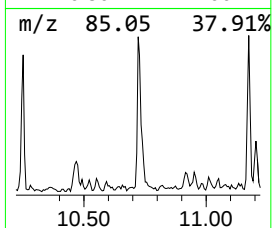
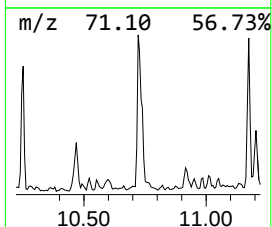
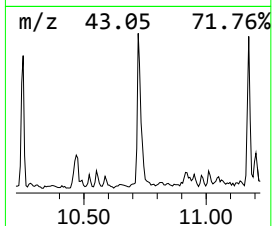
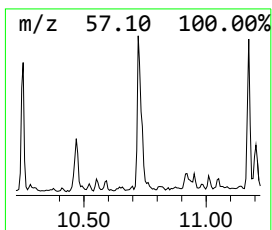
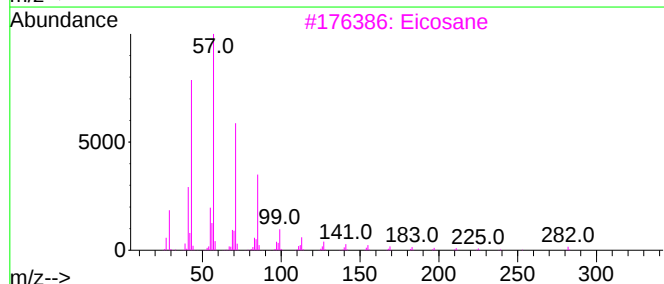
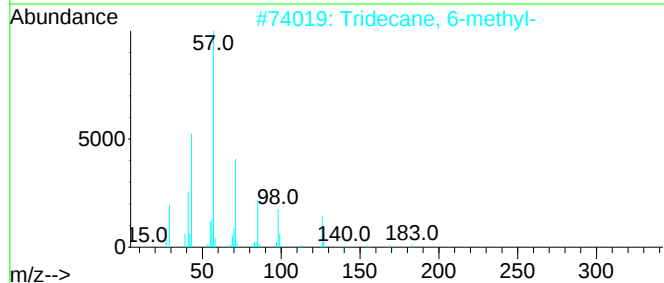
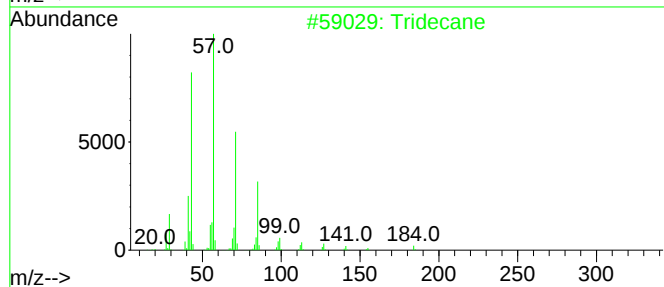
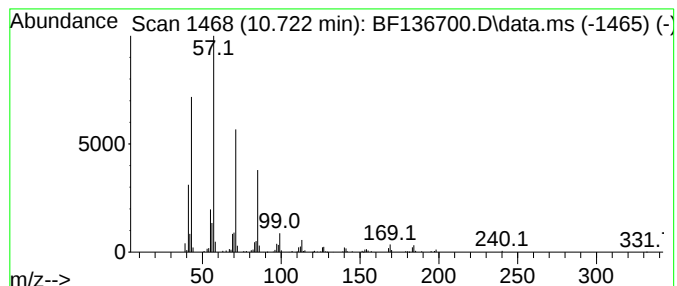
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.722	14.68 ng	266981	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	96
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
3			Eicosane	282	C20H42	000112-95-8	86
4			Heneicosane	296	C21H44	000629-94-7	86
5			Heptadecane	240	C17H36	000629-78-7	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
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ClientSampleId :
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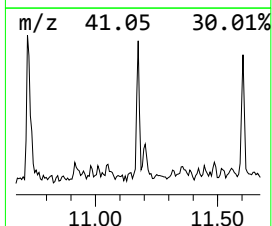
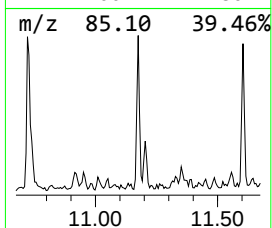
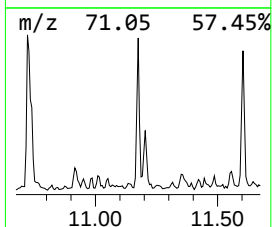
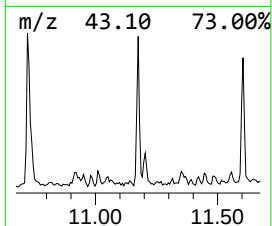
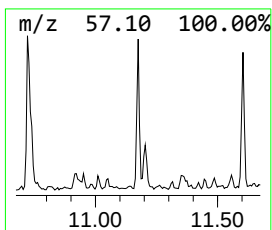
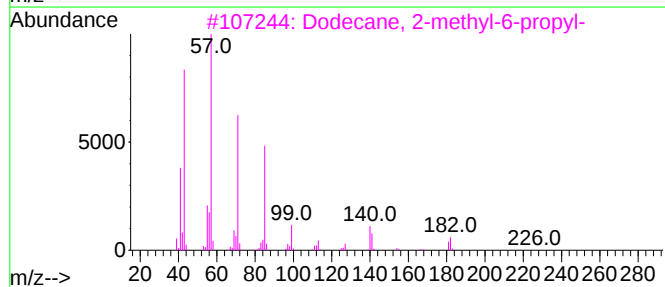
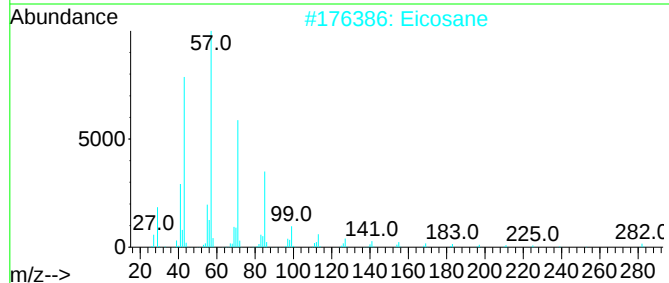
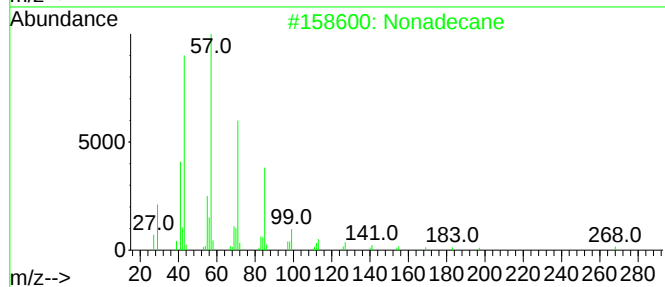
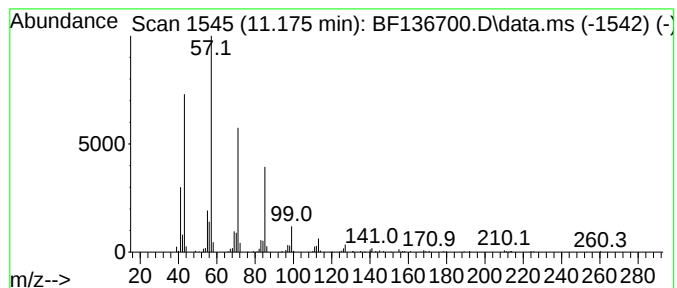
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	9.55 ng	173605	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	91
2			Eicosane	282	C20H42	000112-95-8	90
3			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4			Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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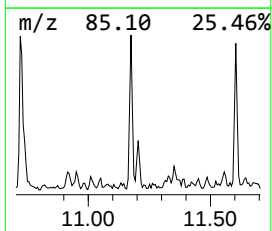
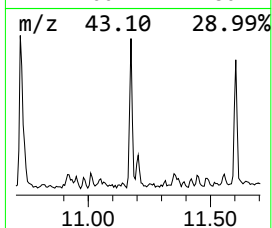
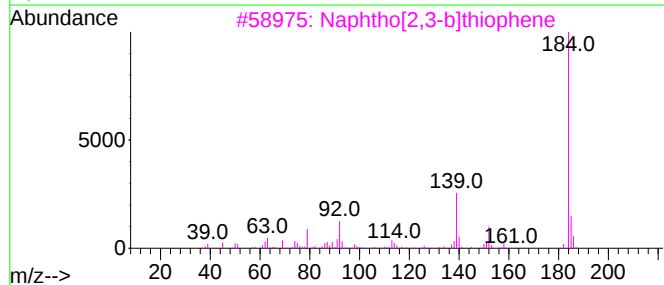
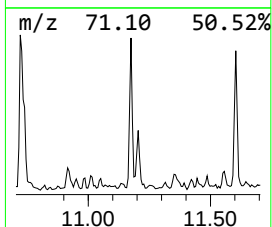
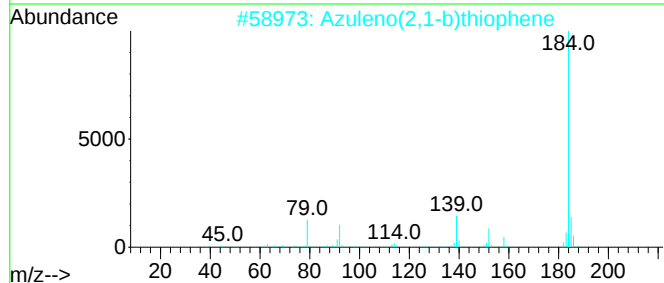
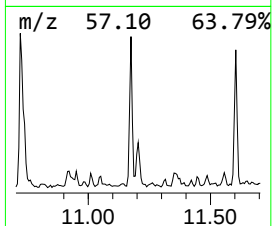
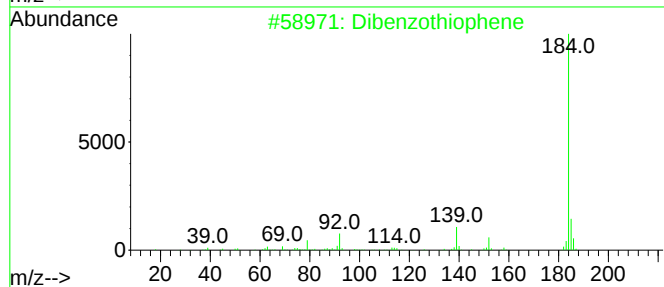
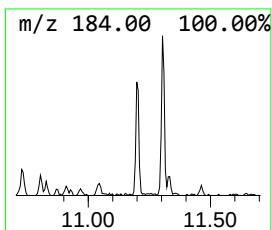
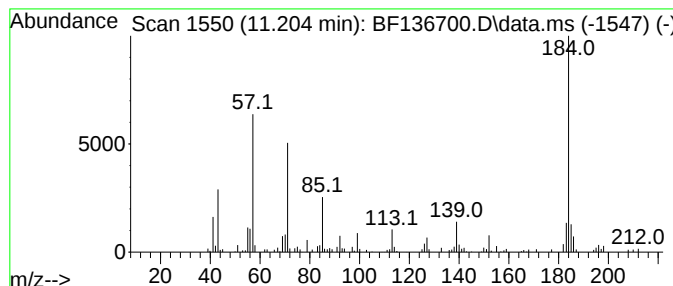
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	6.18 ng	112457	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	60
2			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	55
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	49
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	49
5			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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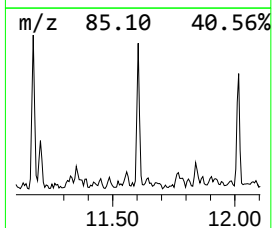
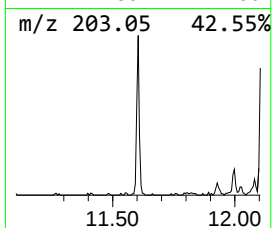
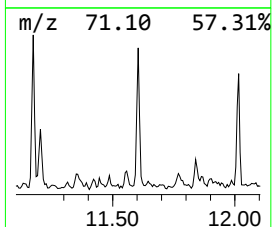
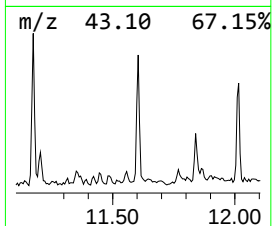
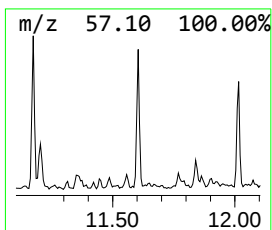
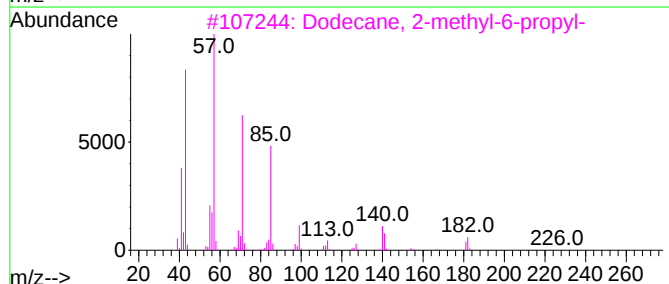
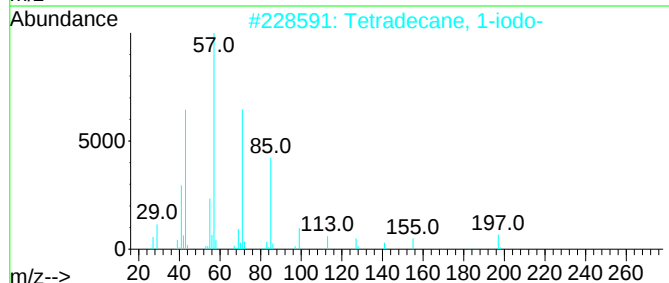
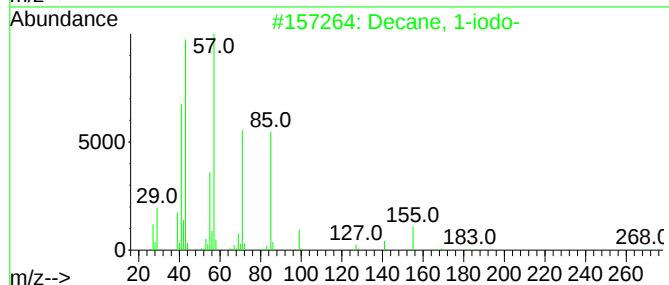
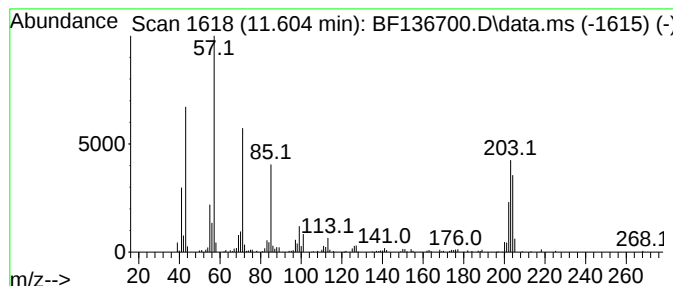
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown11.604 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	10.77 ng	195828	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 1-iodo-	268	C10H21I	002050-77-3	45
2			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	43
3			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43
4			Heptacosane	380	C27H56	000593-49-7	43
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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ClientSampleId :
RT-SB-01-10-11

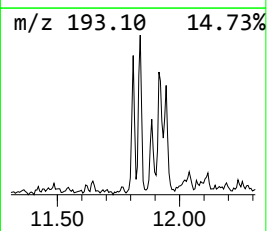
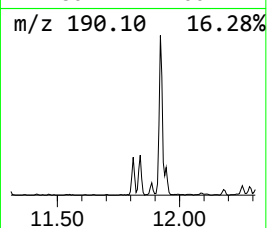
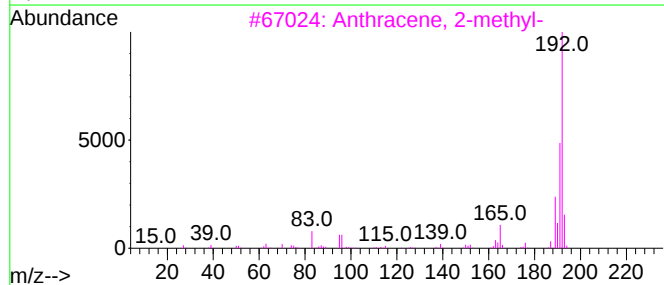
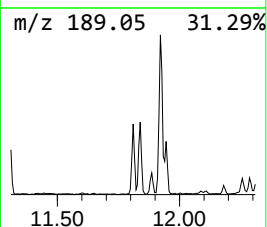
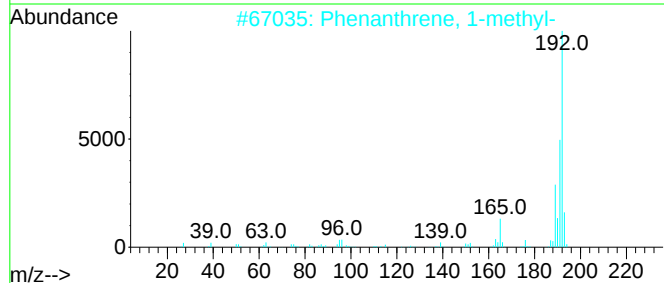
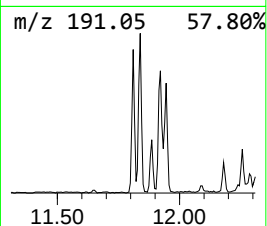
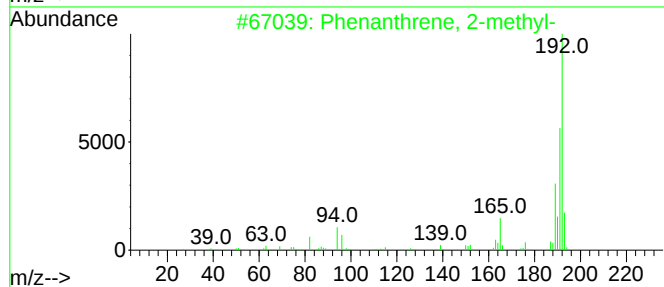
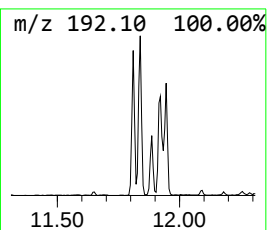
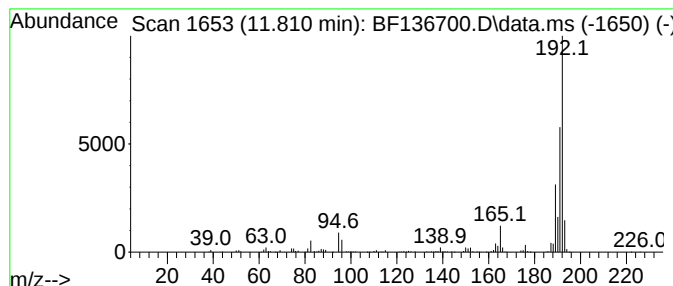
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	13.08 ng	237839	Phenanthrene-d10	11.304

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		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
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ClientSampleId :
RT-SB-01-10-11

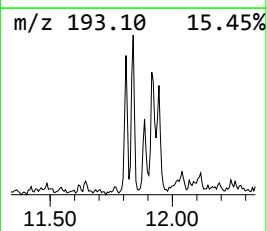
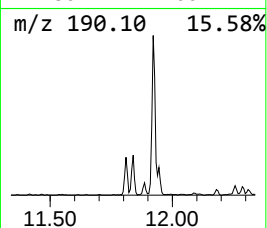
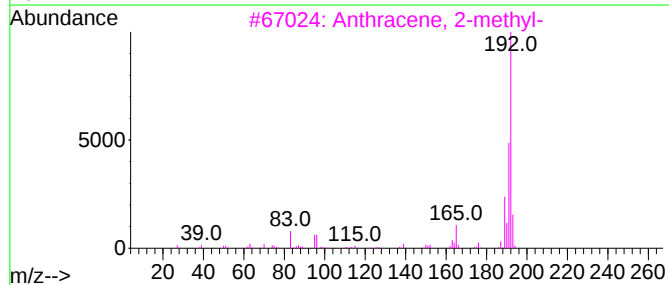
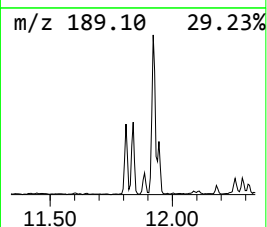
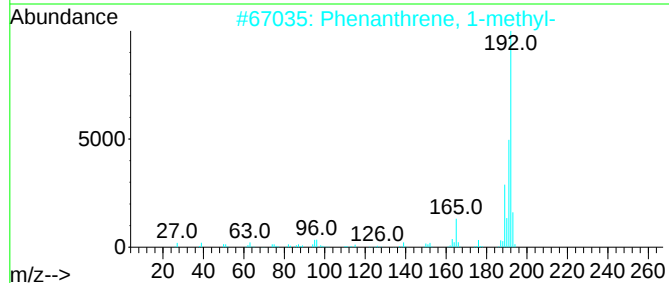
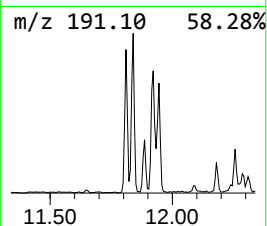
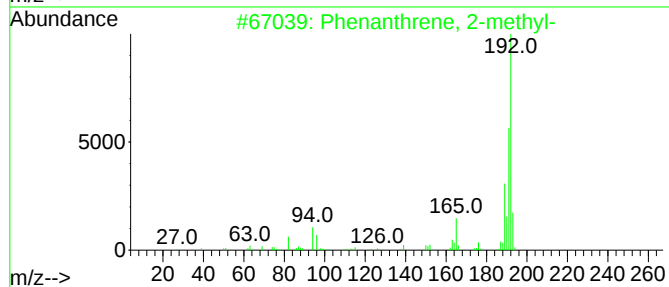
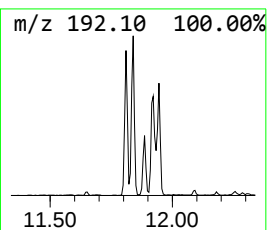
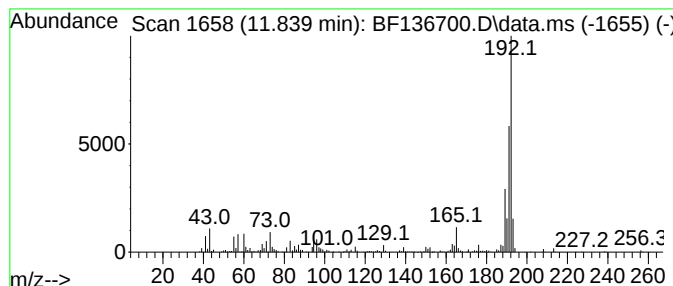
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	20.08 ng	365221	Phenanthrene-d10	11.304

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			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

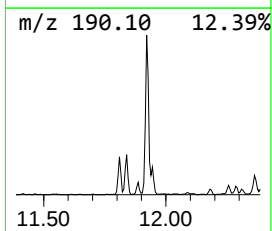
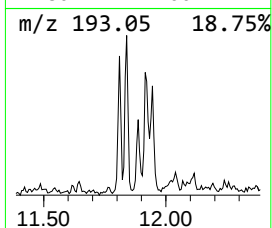
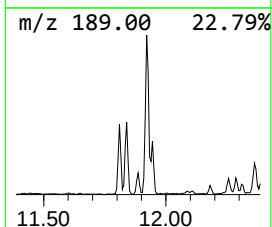
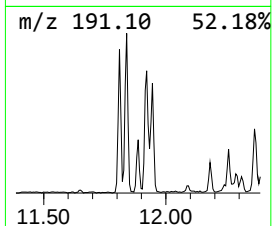
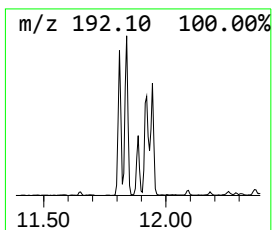
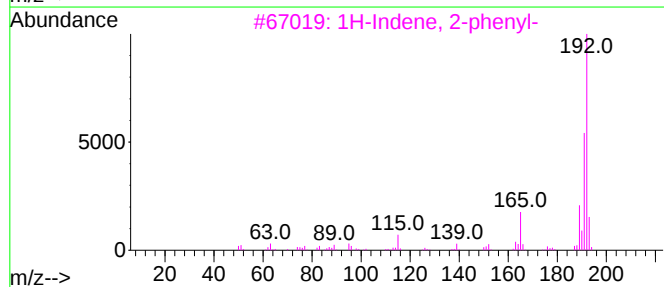
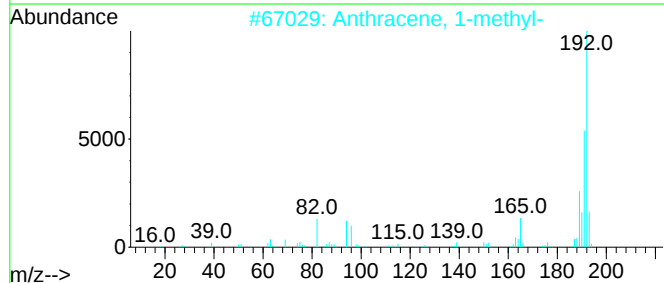
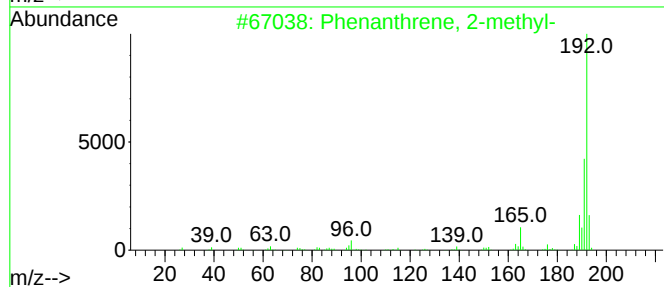
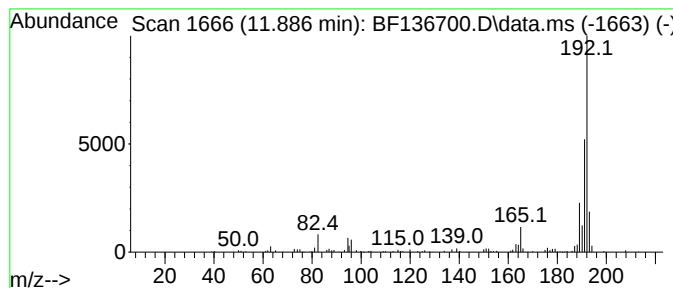
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.886	6.28 ng	114230	Phenanthrene-d10		11.304	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-		192	C15H12	000610-48-0	94
3	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	93
4	Anthracene, 2-methyl-		192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
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Operator : CG\JU
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Misc :
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Instrument :
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ClientSampleId :
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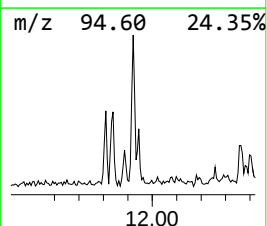
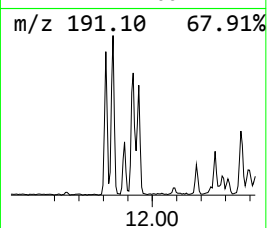
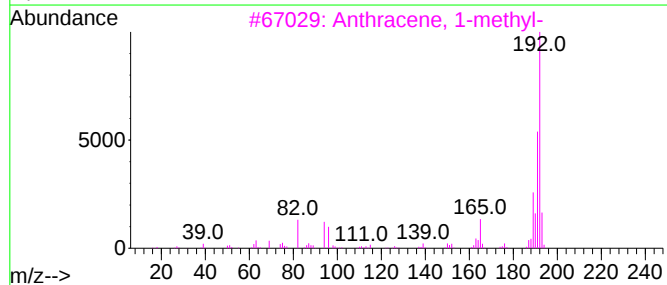
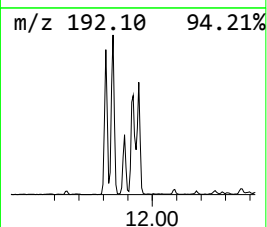
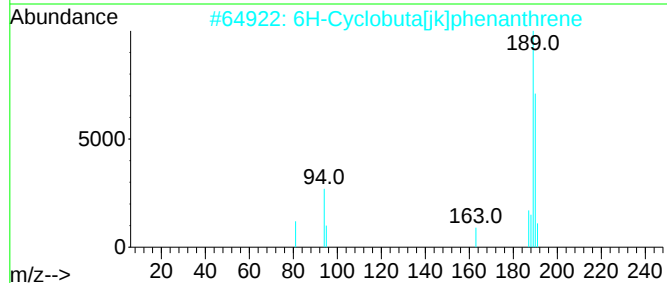
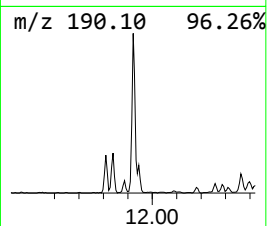
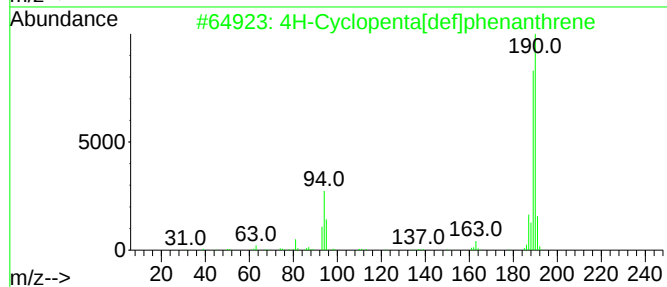
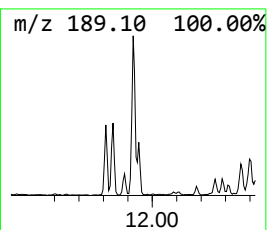
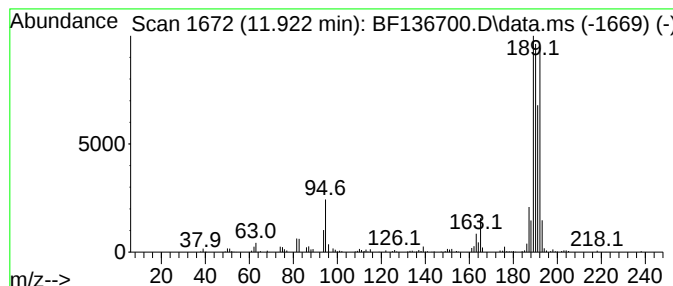
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	20.92 ng	380366	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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Acq On : 22 Dec 2023 22:57
Operator : CG\JU
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ClientSampleId :
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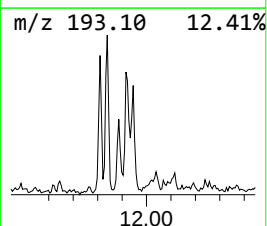
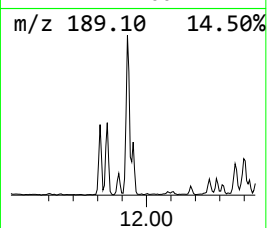
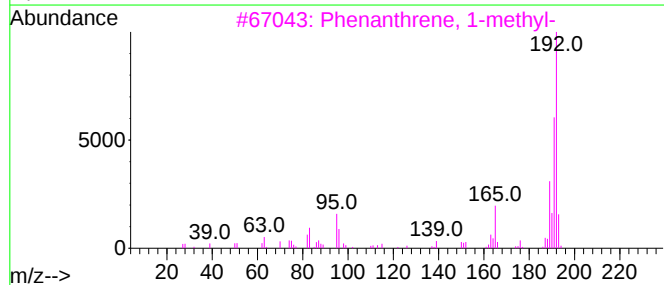
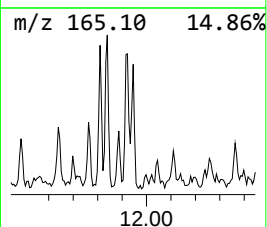
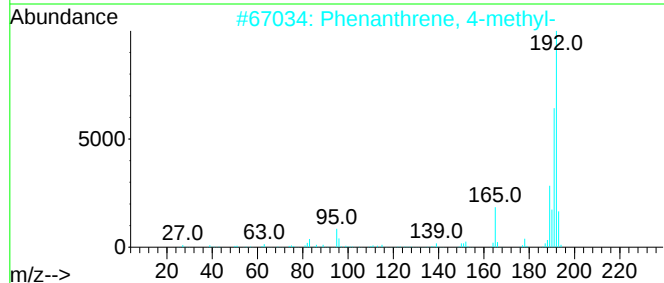
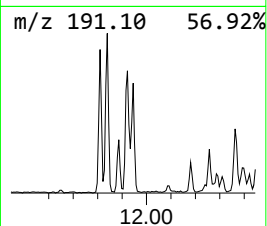
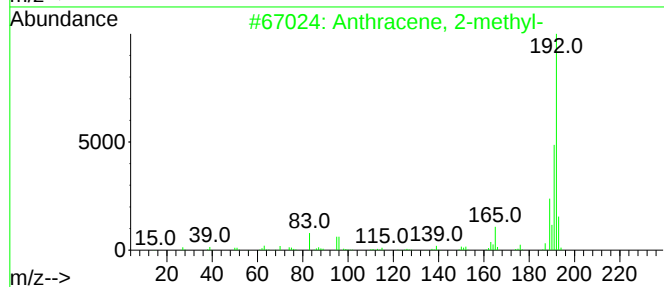
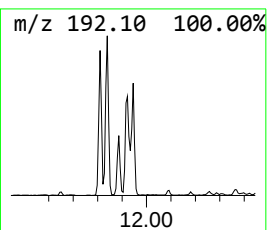
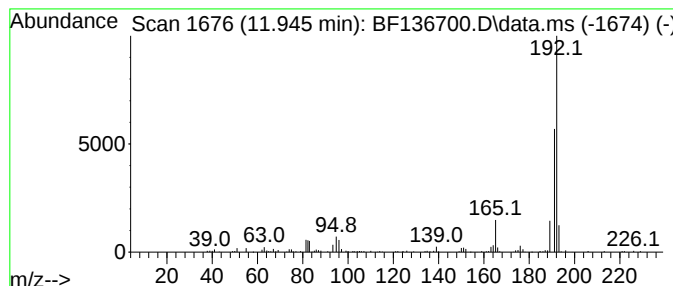
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	9.90 ng	179986	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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Acq On : 22 Dec 2023 22:57
Operator : CG\JU
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ClientSampleId :
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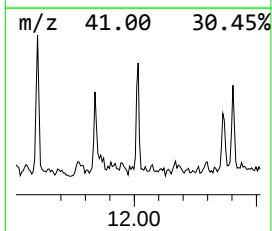
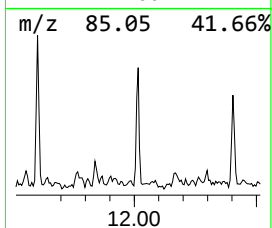
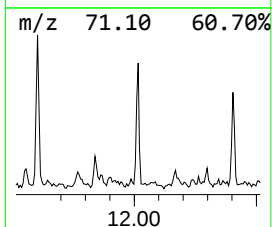
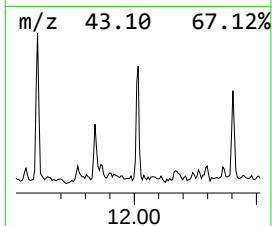
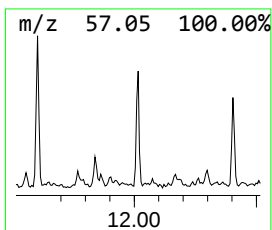
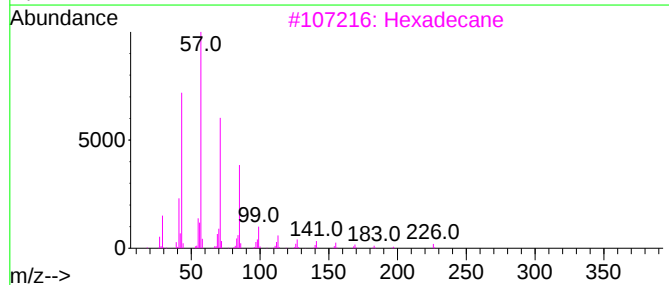
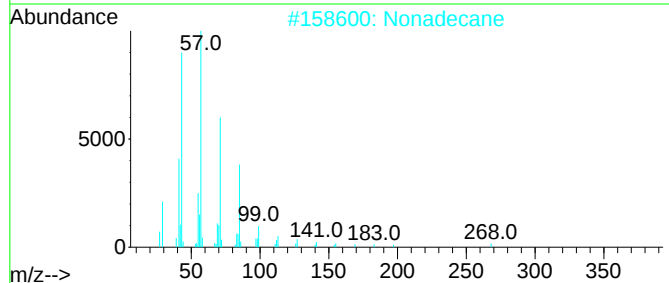
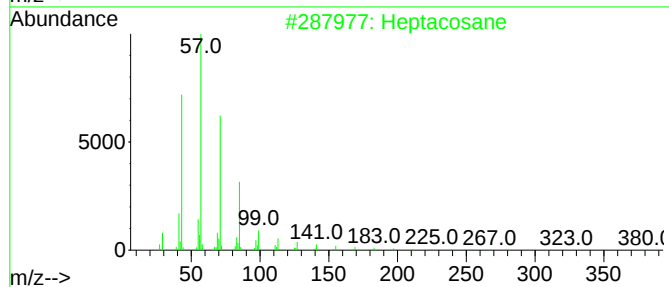
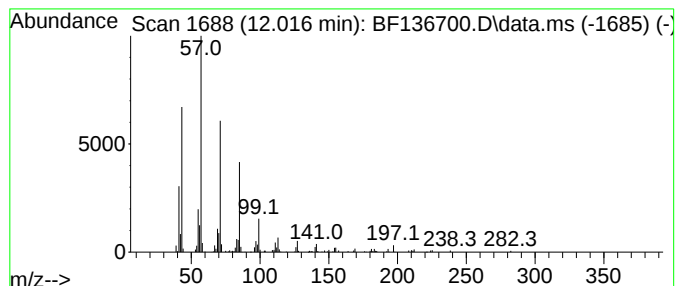
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	6.68 ng	121560	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	91
2			Nonadecane	268	C19H40	000629-92-5	87
3			Hexadecane	226	C16H34	000544-76-3	87
4			Pentadecane	212	C15H32	000629-62-9	87
5			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
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ClientSampleId :
RT-SB-01-10-11

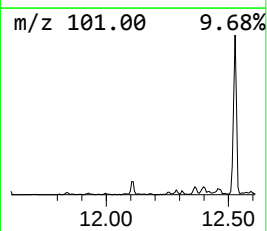
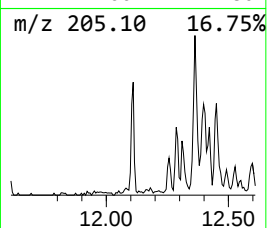
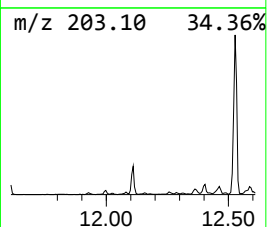
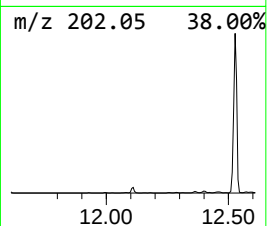
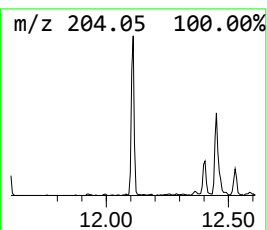
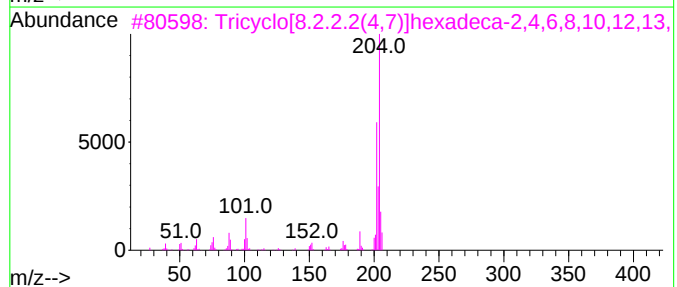
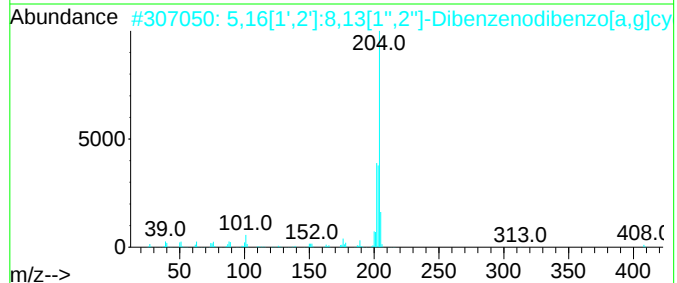
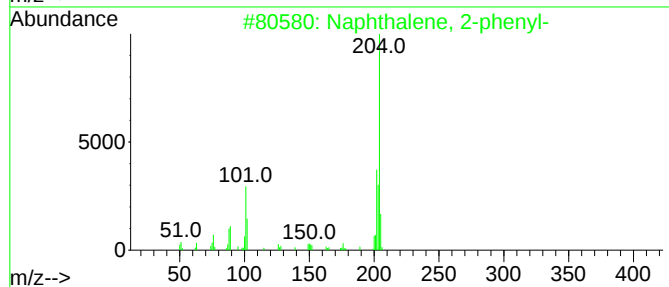
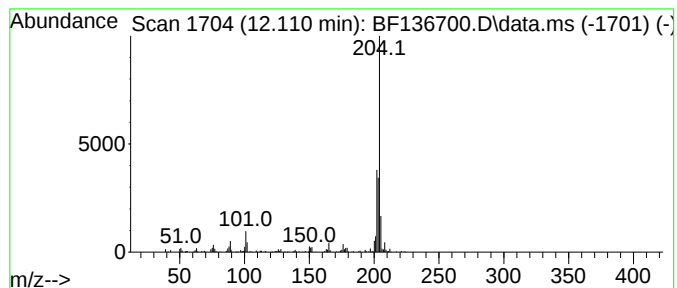
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	8.13 ng	147820	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
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	74
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5			Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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RT-SB-01-10-11

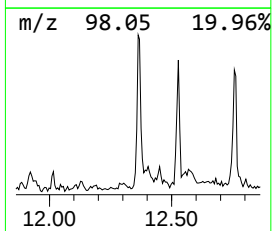
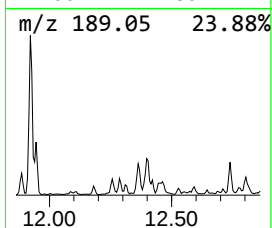
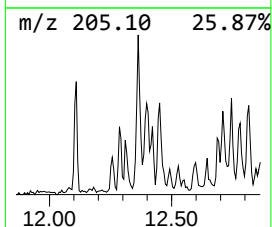
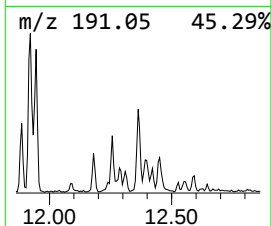
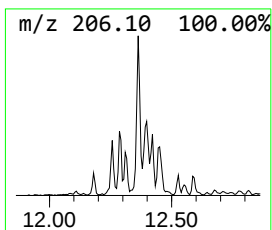
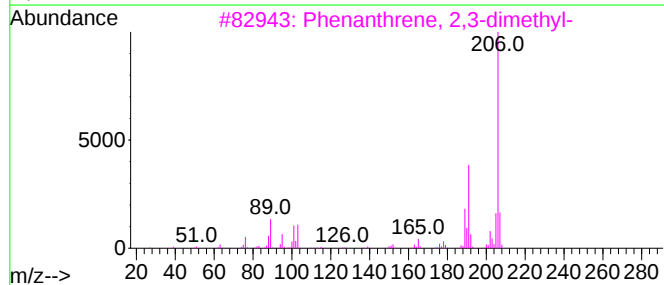
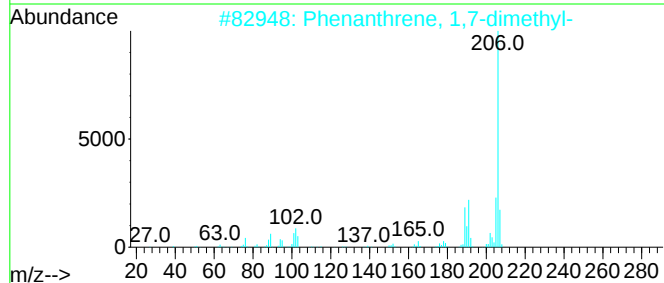
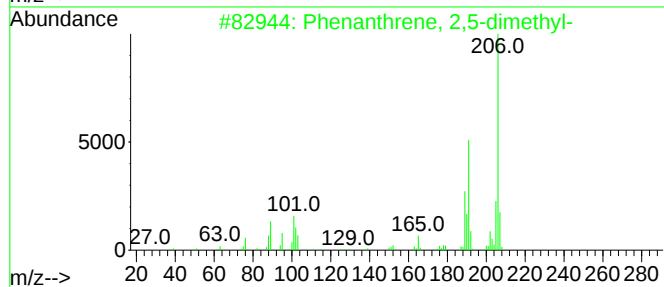
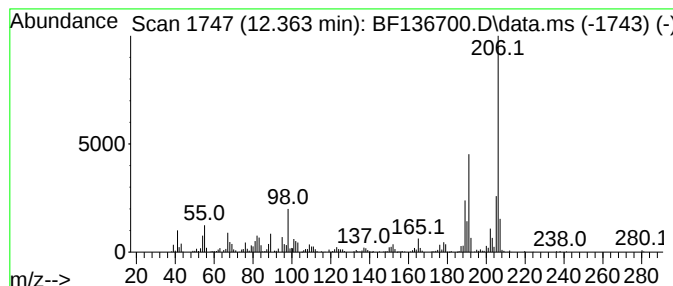
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	14.71 ng	267460	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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Acq On : 22 Dec 2023 22:57
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RT-SB-01-10-11

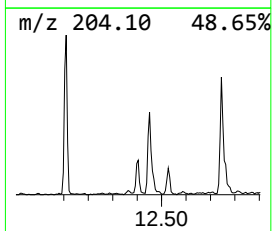
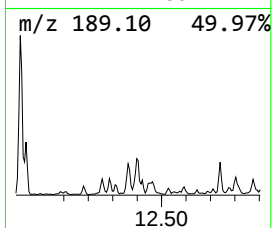
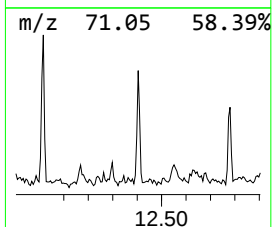
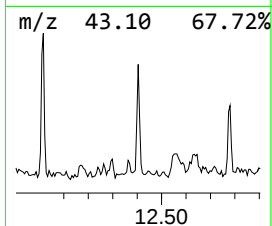
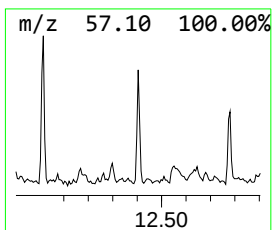
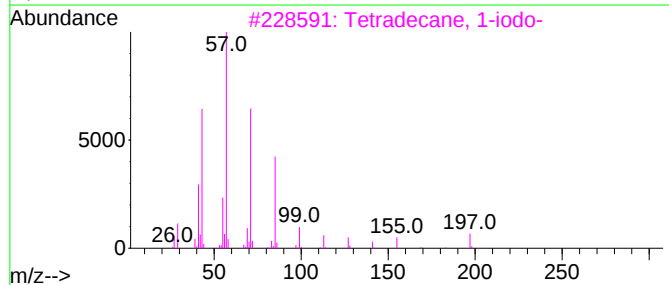
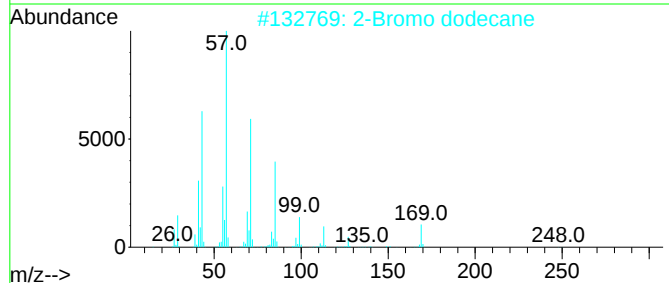
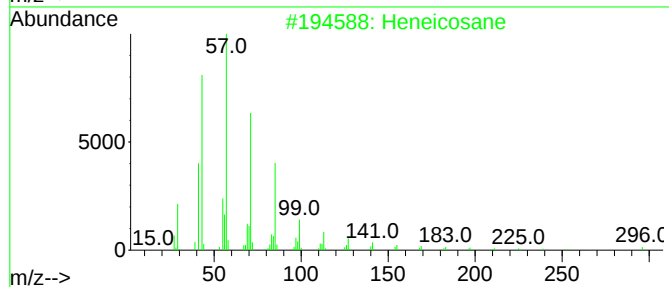
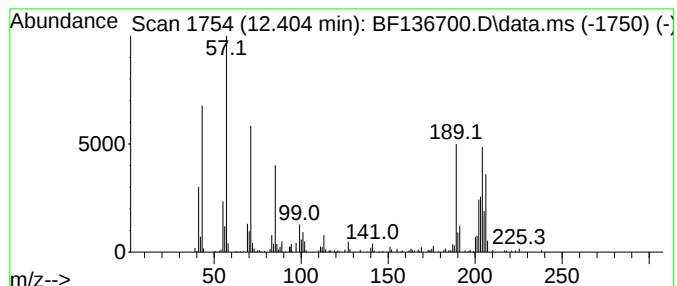
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.404 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	14.06 ng	255616	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	20
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	20
3		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	20
4		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	20
5		Octacosane	394	C28H58	000630-02-4	20



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

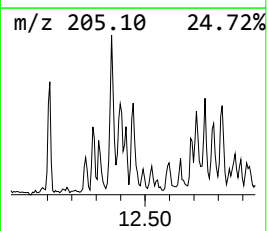
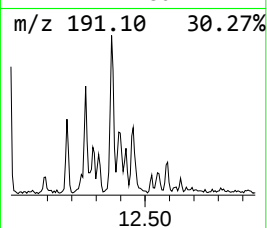
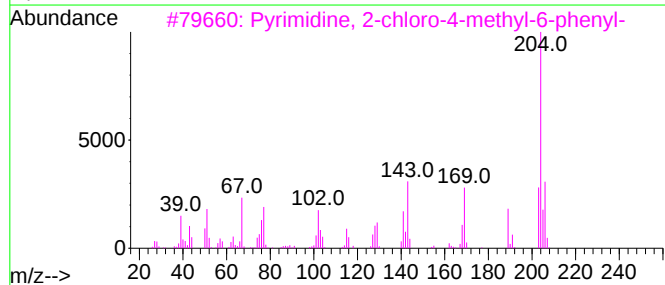
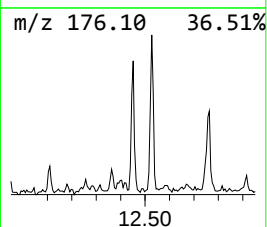
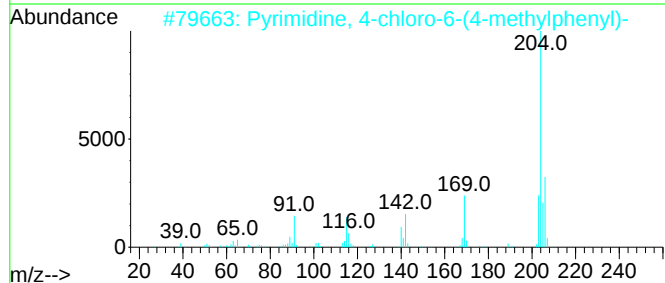
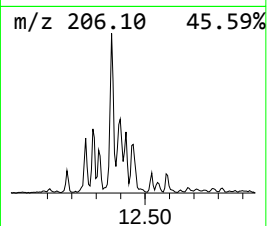
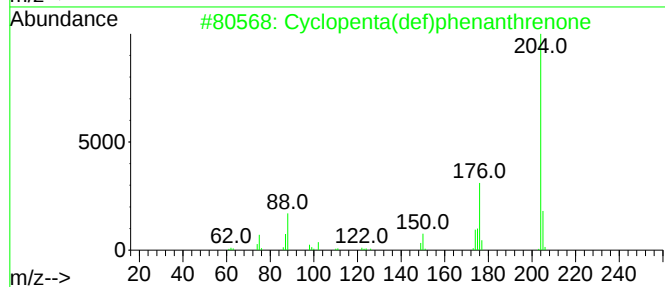
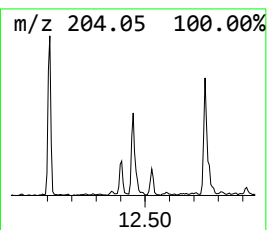
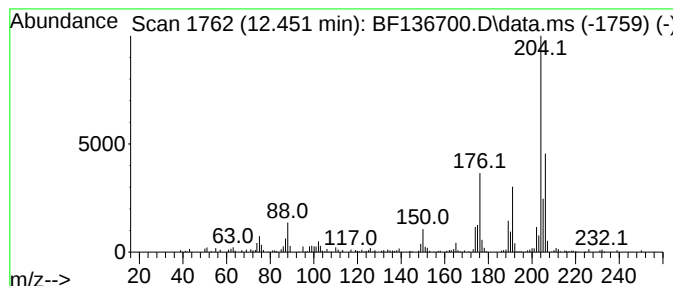
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RT-SB-01-10-11

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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 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.451	7.99 ng	145316	Phenanthrene-d10		11.304	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	91
2	Pyrimidine, 4-chloro-6-(4-methyl...		204	C11H9ClN2	1000380-55-8	50
3	Pyrimidine, 2-chloro-4-methyl-6-...		204	C11H9ClN2	032785-40-3	50
4	2-Chloro-4-phenylphenol		204	C12H9ClO	000092-04-6	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...		204	C15H24	137235-51-9	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11

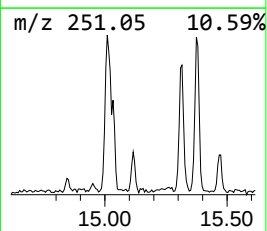
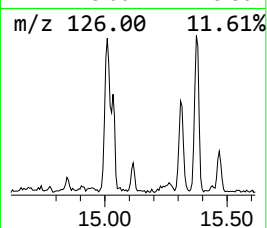
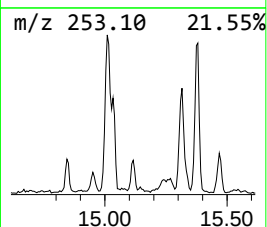
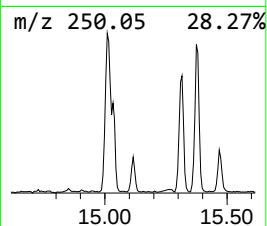
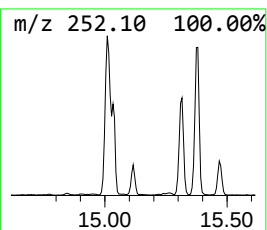
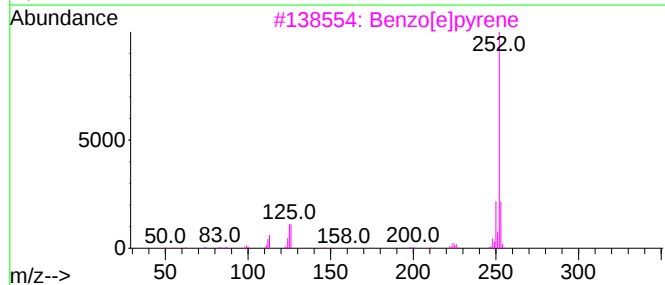
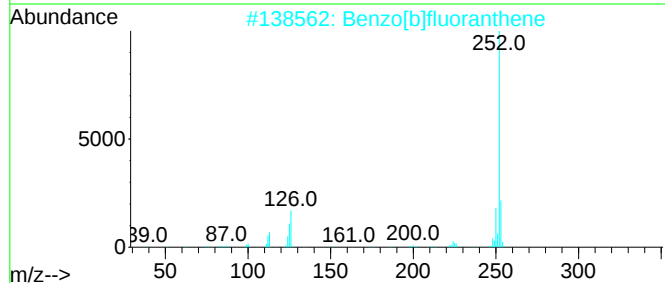
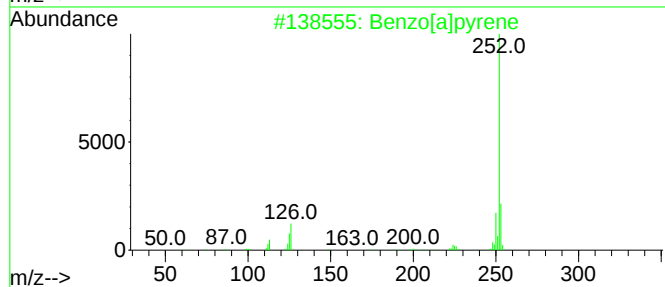
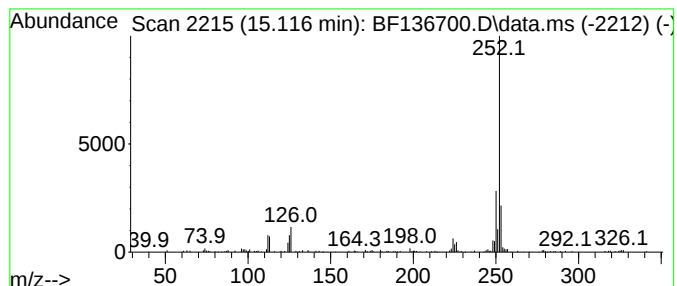
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	5.21 ng	95277	Perylene-d12	15.439

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]pyrene	252	C20H12	000050-32-8	95
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3			Benzo[e]pyrene	252	C20H12	000192-97-2	91
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	87
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11

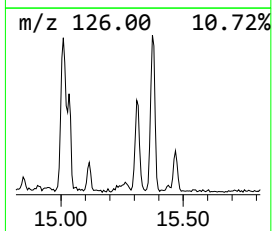
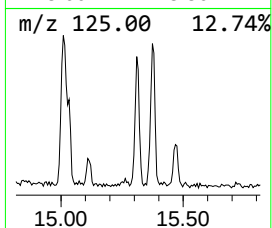
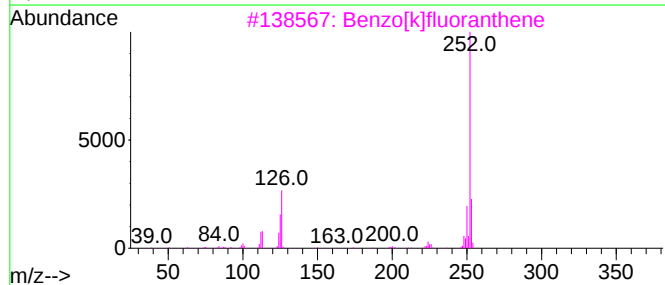
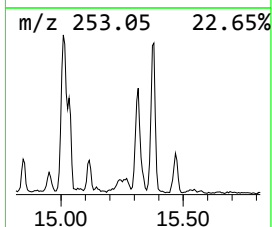
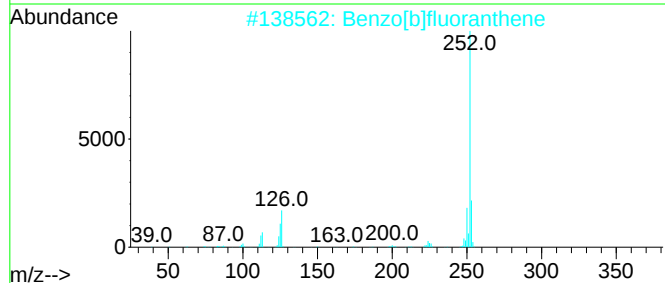
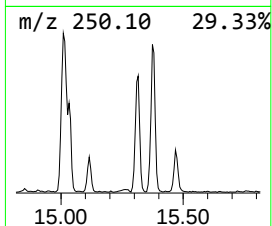
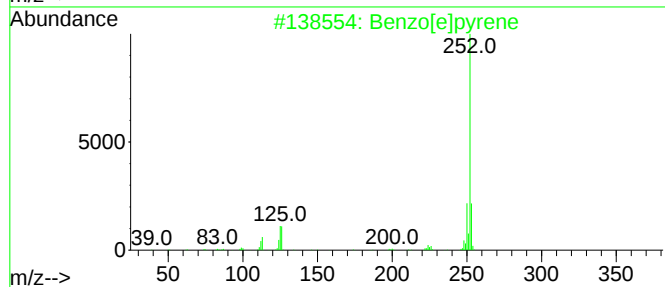
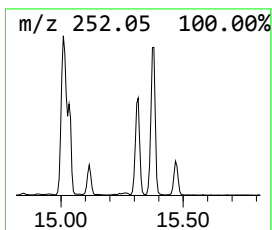
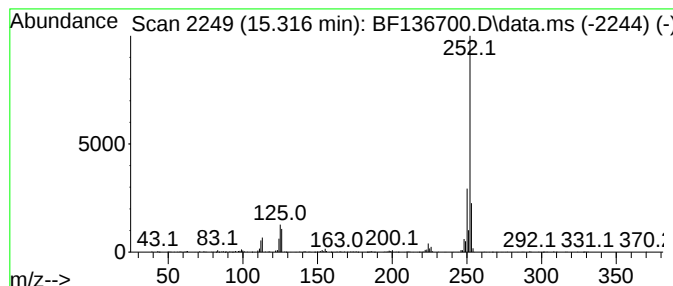
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	21.68 ng	396227	Perylene-d12	15.439

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136700.D
Acq On : 22 Dec 2023 22:57
Operator : CG\JU
Sample : 05765-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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
Tetradecane	9.216	5.7	ng	133055	3	9.816	469616	20.0
Pentadecane	9.745	5.4	ng	125937	3	9.816	469616	20.0
Hexadecane	10.251	6.2	ng	146072	3	9.816	469616	20.0
Hexadecane, 7-m...	10.469	5.1	ng	119561	3	9.816	469616	20.0
Tridecane	10.722	14.7	ng	266981	4	11.304	363700	20.0
Nonadecane	11.175	9.6	ng	173605	4	11.304	363700	20.0
Dibenzothiophene	11.204	6.2	ng	112457	4	11.304	363700	20.0
unknown11.604	11.604	10.8	ng	195828	4	11.304	363700	20.0
Phenanthrene, 2...	11.810	13.1	ng	237839	4	11.304	363700	20.0
Phenanthrene, 1...	11.839	20.1	ng	365221	4	11.304	363700	20.0
Anthracene, 1-m...	11.886	6.3	ng	114230	4	11.304	363700	20.0
4H-Cyclopenta[d...	11.922	20.9	ng	380366	4	11.304	363700	20.0
Anthracene, 2-m...	11.945	9.9	ng	179986	4	11.304	363700	20.0
Heptacosane	12.016	6.7	ng	121560	4	11.304	363700	20.0
Naphthalene, 2-...	12.110	8.1	ng	147820	4	11.304	363700	20.0
Phenanthrene, 2...	12.363	14.7	ng	267460	4	11.304	363700	20.0
unknown12.404	12.404	14.1	ng	255616	4	11.304	363700	20.0
Cyclopenta(def)...	12.451	8.0	ng	145316	4	11.304	363700	20.0
Benzo[e]pyrene	15.116	5.2	ng	95277	6	15.439	365559	20.0
Benzo[j]fluoran...	15.316	21.7	ng	396227	6	15.439	365559	20.0