

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122196.D
 Acq On : 30 Oct 2020 23:25
 Operator : JU/CG
 Sample : L4564-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-017-A

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-BF101220.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122196.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.340	549	553	584	rBV	1802642	2387187	81.52%	5.512%
2	6.369	725	728	754	rBV	2187963	2542938	86.84%	5.871%
3	6.581	762	764	783	rBV2	27075	88891	3.04%	0.205%
4	6.710	783	786	797	rVB	622222	614417	20.98%	1.419%
5	7.281	880	883	897	rBV	1569753	1549682	52.92%	3.578%
6	7.992	1001	1004	1006	rBV	895551	740102	25.27%	1.709%
7	8.016	1006	1008	1018	rVB	234435	249526	8.52%	0.576%
8	8.434	1076	1079	1093	rBV2	47196	95357	3.26%	0.220%
9	8.710	1123	1126	1134	rBV	206175	202303	6.91%	0.467%
10	8.804	1138	1142	1149	rBV	216880	194817	6.65%	0.450%
11	9.069	1183	1187	1190	rBV	2885625	2608690	89.09%	6.023%
12	9.186	1202	1207	1211	rBV2	279575	302904	10.34%	0.699%
13	9.339	1228	1233	1237	rBV	108506	151800	5.18%	0.350%
14	9.404	1240	1244	1247	rBV	198858	208719	7.13%	0.482%
15	9.433	1247	1249	1252	rVV	134102	119966	4.10%	0.277%
16	9.469	1252	1255	1261	rVV	487268	416220	14.21%	0.961%
17	9.522	1261	1264	1272	rVB2	95606	122157	4.17%	0.282%
18	9.610	1276	1279	1283	rVB2	91511	86580	2.96%	0.200%
19	9.745	1293	1302	1305	rBV	962228	920066	31.42%	2.124%
20	9.775	1305	1307	1316	rVV	444915	402884	13.76%	0.930%
21	9.845	1316	1319	1324	rVV2	57783	86938	2.97%	0.201%
22	9.898	1324	1328	1331	rVV2	45902	51119	1.75%	0.118%
23	9.951	1331	1337	1341	rVV	461617	427389	14.60%	0.987%
24	9.986	1341	1343	1348	rVV2	72930	82785	2.83%	0.191%
25	10.063	1352	1356	1359	rBV	60108	65385	2.23%	0.151%
26	10.092	1359	1361	1367	rVV	64555	56232	1.92%	0.130%
27	10.151	1367	1371	1373	rVV2	52446	73962	2.53%	0.171%
28	10.292	1391	1395	1398	rBV	594724	519900	17.75%	1.200%
29	10.328	1398	1401	1405	rVV2	99811	153705	5.25%	0.355%
30	10.451	1419	1422	1426	rVB	182881	163831	5.59%	0.378%
31	10.539	1433	1437	1443	rBV2	1712011	1643169	56.11%	3.794%
32	10.845	1481	1489	1491	rBV2	136771	186603	6.37%	0.431%
33	10.869	1491	1493	1496	rVV2	68934	70578	2.41%	0.163%
34	10.969	1505	1510	1512	rVV2	86871	99488	3.40%	0.230%
35	10.992	1512	1514	1520	rVV	84785	111659	3.81%	0.258%
36	11.051	1520	1524	1527	rVV	233388	225550	7.70%	0.521%

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 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

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.086	1527	1530	1533	rVV3	115036	150782	5.15%	0.348%
38	11.127	1533	1537	1545	rVB	229244	259997	8.88%	0.600%
39	11.233	1551	1555	1557	rBV	843374	805010	27.49%	1.859%
40	11.263	1557	1560	1563	rVV	3306149	2928251	100.00%	6.761%
41	11.310	1563	1568	1572	rVV	885682	831207	28.39%	1.919%
42	11.357	1574	1576	1580	rVV2	47518	60810	2.08%	0.140%
43	11.410	1580	1585	1591	rVB6	38499	85120	2.91%	0.197%
44	11.475	1591	1596	1601	rBV2	299237	374792	12.80%	0.865%
45	11.522	1601	1604	1607	rVB2	67428	68796	2.35%	0.159%
46	11.563	1607	1611	1613	rBV3	46274	51130	1.75%	0.118%
47	11.645	1622	1625	1631	rVB2	53759	68614	2.34%	0.158%
48	11.733	1637	1640	1643	rVV	366140	327731	11.19%	0.757%
49	11.763	1643	1645	1651	rVV	541646	491863	16.80%	1.136%
50	11.816	1651	1654	1656	rVV	169680	159171	5.44%	0.367%
51	11.845	1656	1659	1662	rVV	480962	517846	17.68%	1.196%
52	11.869	1662	1663	1669	rVB	219374	169874	5.80%	0.392%
53	11.927	1669	1673	1676	rBV4	51279	62729	2.14%	0.145%
54	12.027	1687	1690	1695	rVB	242477	213777	7.30%	0.494%
55	12.074	1695	1698	1701	rBV	136894	138002	4.71%	0.319%
56	12.180	1713	1716	1719	rBV	72522	67114	2.29%	0.155%
57	12.286	1730	1734	1736	rBV	230646	241985	8.26%	0.559%
58	12.369	1746	1748	1749	rBV	61389	51864	1.77%	0.120%
59	12.386	1749	1751	1758	rVB	112063	121230	4.14%	0.280%
60	12.451	1758	1762	1765	rBV	2596139	2360339	80.61%	5.450%
61	12.516	1771	1773	1777	rVB2	39182	52188	1.78%	0.120%
62	12.604	1784	1788	1790	rBV	140600	141199	4.82%	0.326%
63	12.680	1794	1801	1807	rVV	2123187	2214272	75.62%	5.112%
64	12.733	1807	1810	1814	rVB2	113516	120813	4.13%	0.279%
65	12.816	1819	1824	1827	rBV	2177803	1988426	67.90%	4.591%
66	12.851	1828	1830	1834	rVB	91757	103807	3.55%	0.240%
67	12.904	1834	1839	1843	rBV2	128520	230978	7.89%	0.533%
68	12.945	1843	1846	1849	rVB	52496	50655	1.73%	0.117%
69	12.986	1849	1853	1854	rBV2	98748	122189	4.17%	0.282%
70	13.010	1854	1857	1860	rVB	218261	191533	6.54%	0.442%
71	13.074	1865	1868	1870	rVV	152722	120429	4.11%	0.278%
72	13.116	1870	1875	1878	rVV2	177804	233797	7.98%	0.540%
73	13.204	1887	1890	1893	rBV	107708	101898	3.48%	0.235%
74	13.239	1893	1896	1905	rVV2	117104	148307	5.06%	0.342%
75	13.380	1917	1920	1923	rBV3	72933	78058	2.67%	0.180%
76	13.533	1942	1946	1952	rVB	159768	182701	6.24%	0.422%

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Min Area: 3 % of largest Peak

Start Thrs: 0.2

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Stop Thrs : 0

Peak Location: TOP

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.633	1960	1963	1964	rBV	135365	137539	4.70%	0.318%
78	13.651	1964	1966	1969	rVB	161847	142651	4.87%	0.329%
79	13.680	1969	1971	1973	rBV	111386	103077	3.52%	0.238%
80	13.710	1973	1976	1980	rVV2	214542	340376	11.62%	0.786%
81	13.739	1980	1981	1986	rVB	223384	203496	6.95%	0.470%
82	13.798	1989	1991	1995	rVB	45195	49302	1.68%	0.114%
83	13.874	1996	2004	2007	rBV2	1190954	1758012	60.04%	4.059%
84	13.904	2007	2009	2013	rVB	868633	835821	28.54%	1.930%
85	13.986	2021	2023	2027	rVB	121849	102625	3.50%	0.237%
86	14.027	2027	2030	2031	rBV3	47369	50232	1.72%	0.116%
87	14.051	2032	2034	2038	rVV5	60307	65126	2.22%	0.150%
88	14.086	2038	2040	2044	rVV2	61202	98413	3.36%	0.227%
89	14.121	2044	2046	2049	rVB	75523	64452	2.20%	0.149%
90	14.268	2067	2071	2075	rBV2	207602	268959	9.18%	0.621%
91	14.345	2079	2084	2086	rBV4	67940	122231	4.17%	0.282%
92	14.763	2153	2155	2159	rVB	90574	91591	3.13%	0.211%
93	14.910	2176	2180	2183	rBV	803367	1103553	37.69%	2.548%
94	15.015	2195	2198	2205	rVB	159721	175819	6.00%	0.406%
95	15.198	2226	2229	2233	rBV	432240	463892	15.84%	1.071%
96	15.263	2236	2240	2246	rVV	621832	726747	24.82%	1.678%
97	15.321	2246	2250	2253	rVV	420859	499510	17.06%	1.153%
98	15.351	2253	2255	2261	rVB2	161549	209464	7.15%	0.484%
99	16.739	2486	2491	2500	rVB2	264998	497811	17.00%	1.149%
100	17.168	2559	2564	2583	rVB	200094	489242	16.71%	1.130%

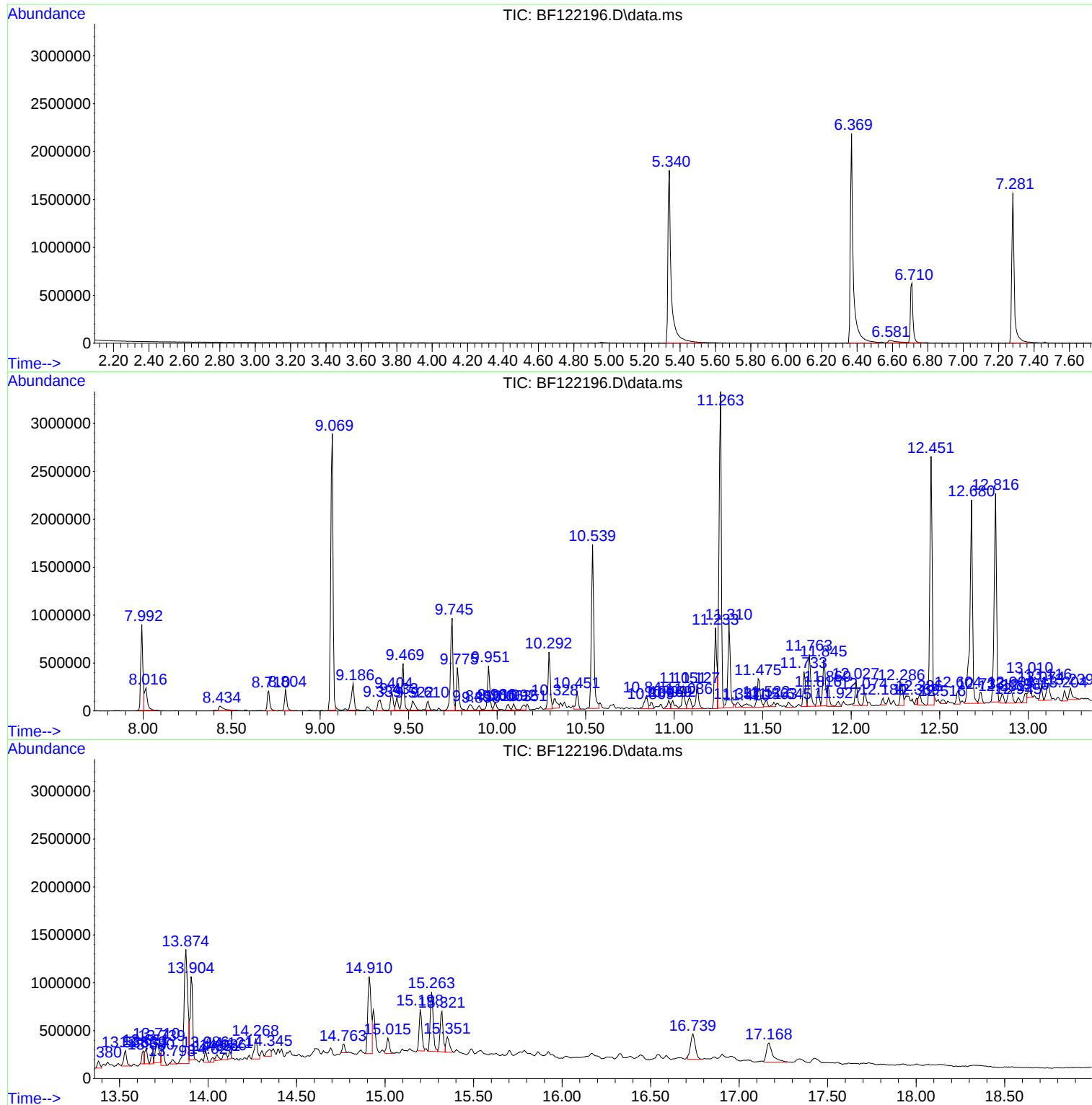
Sum of corrected areas: 43312724

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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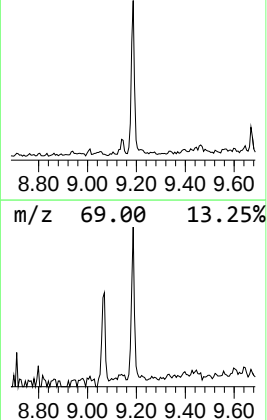
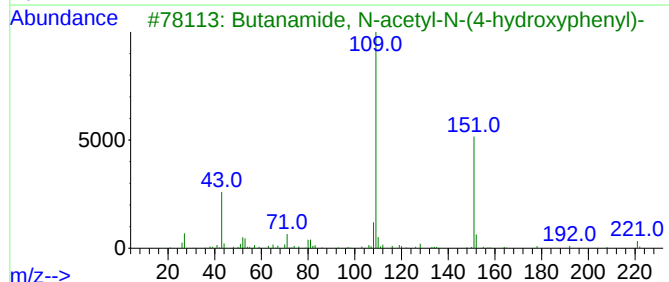
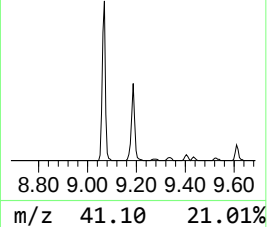
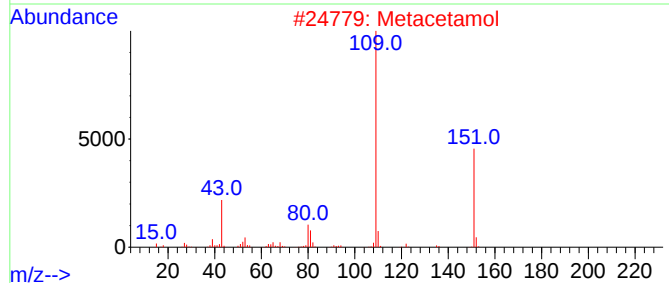
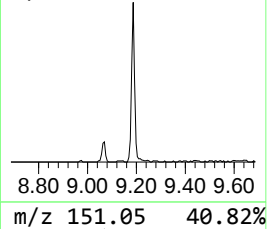
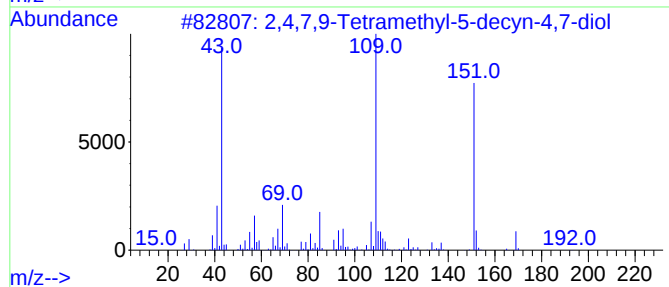
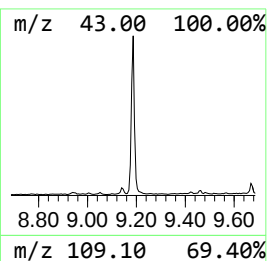
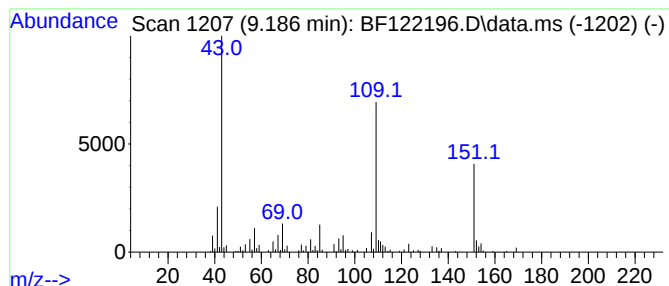
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.186	6.58 ng	302904	Acenaphthene-d10	9.745

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91		
2	Metacetamol	151	C8H9NO2	000621-42-1	53		
3	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	42		
4	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	42		
5	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	35		



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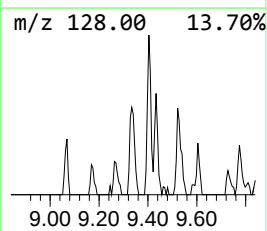
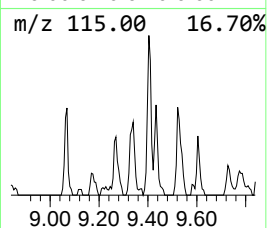
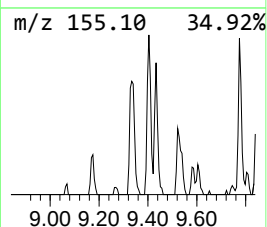
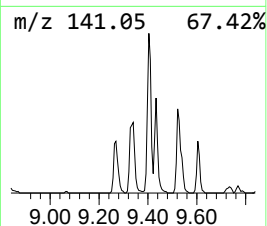
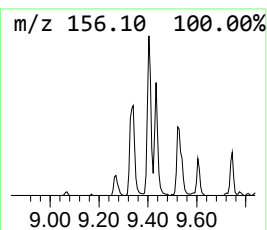
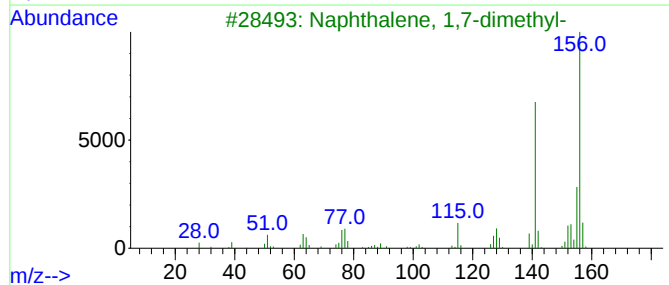
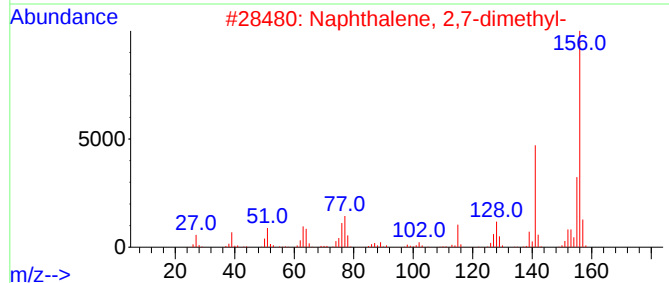
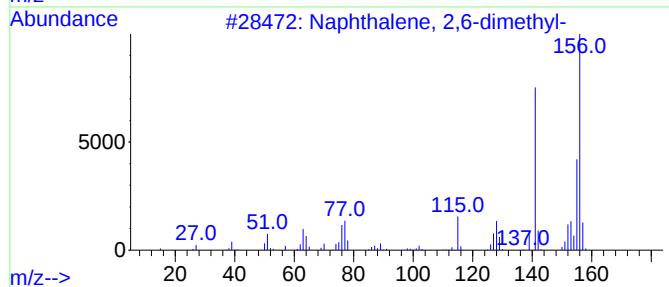
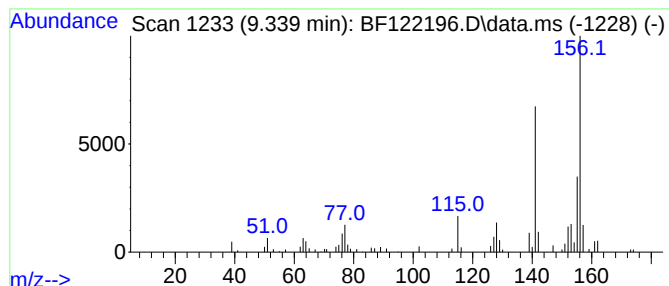
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.339	3.30 ng	151800	Acenaphthene-d10	9.745

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



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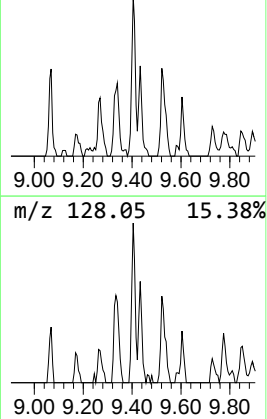
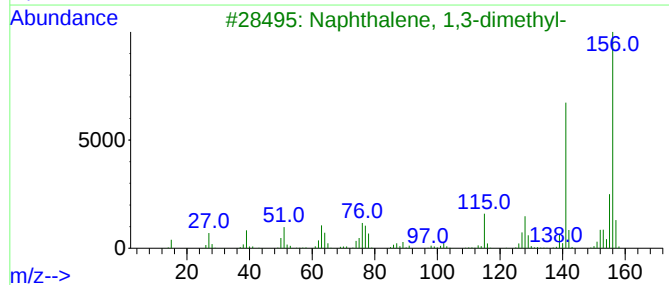
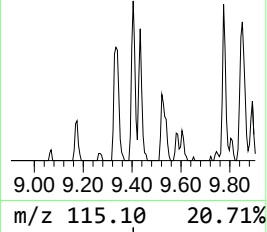
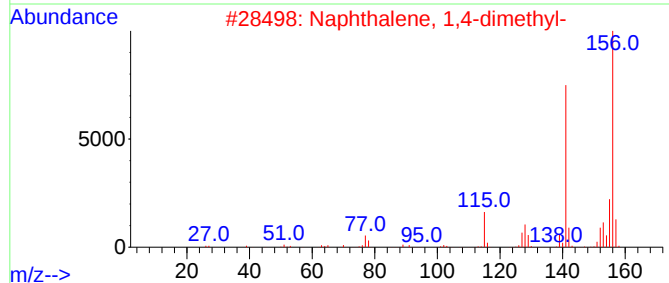
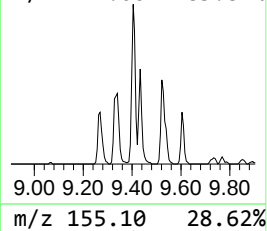
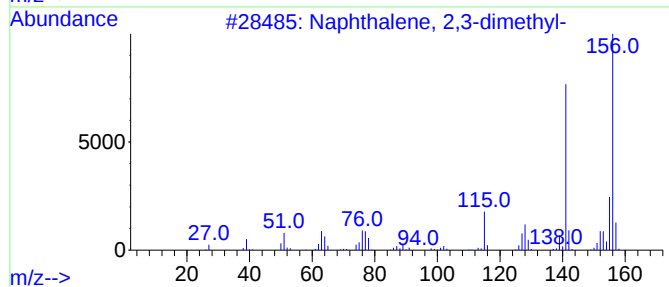
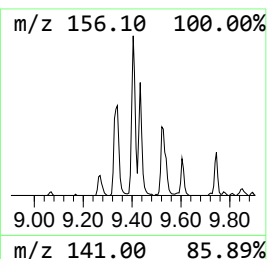
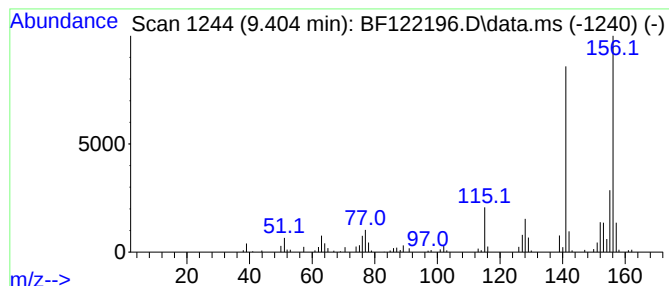
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.404	4.54 ng	208719	Acenaphthene-d10	9.745

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
FK-GF-03-017-A

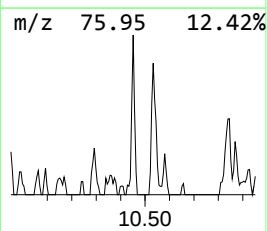
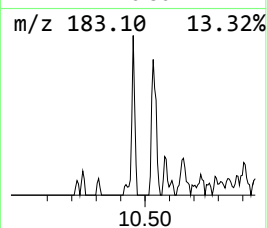
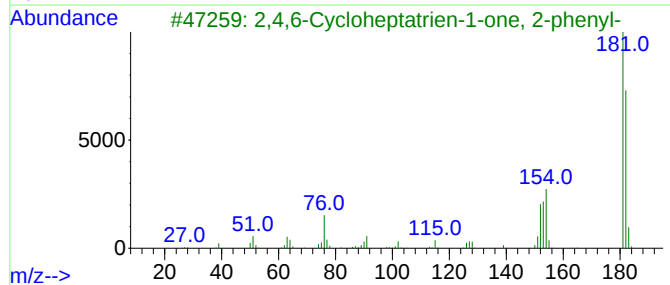
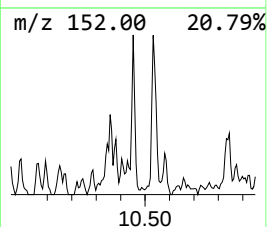
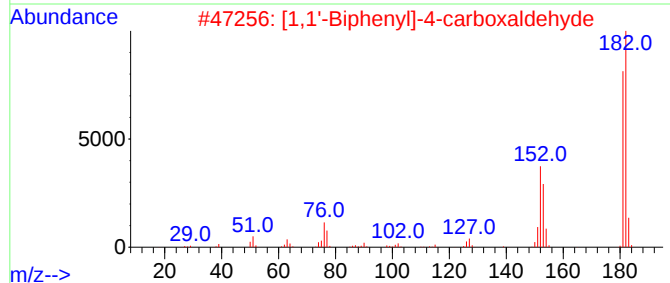
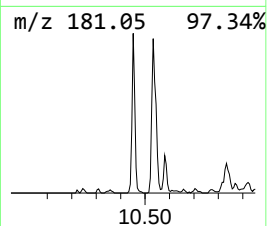
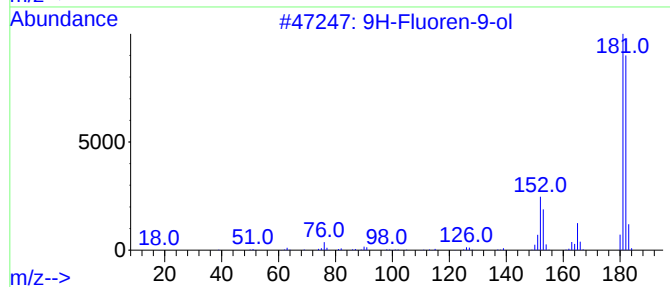
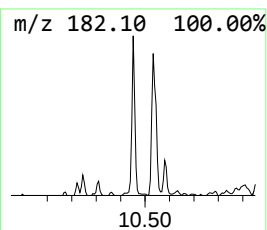
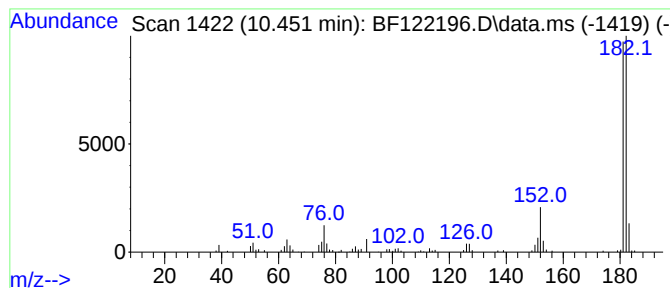
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	3.56 ng	163831	Acenaphthene-d10	9.745

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
5			9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
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Misc :
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Instrument :
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ClientSampleId :
FK-GF-03-017-A

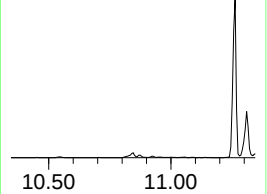
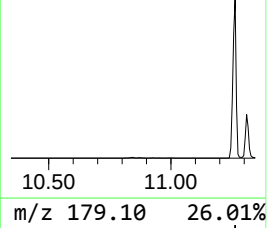
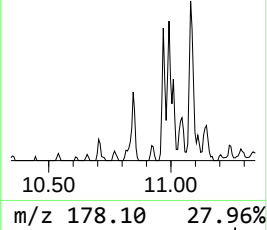
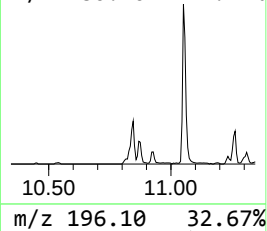
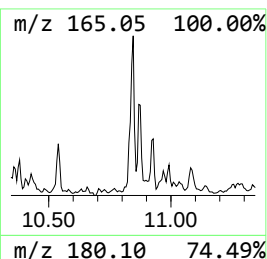
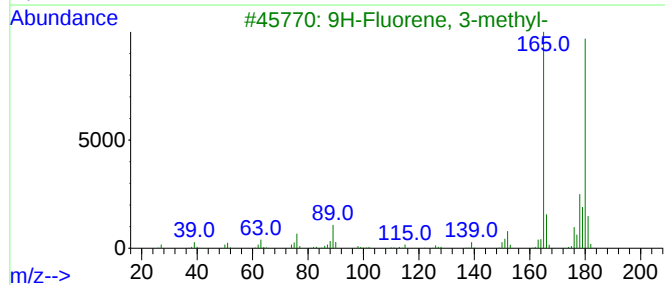
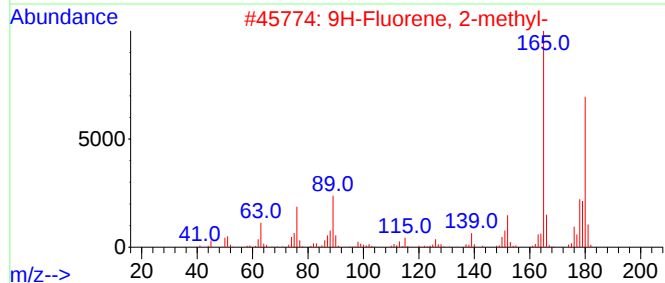
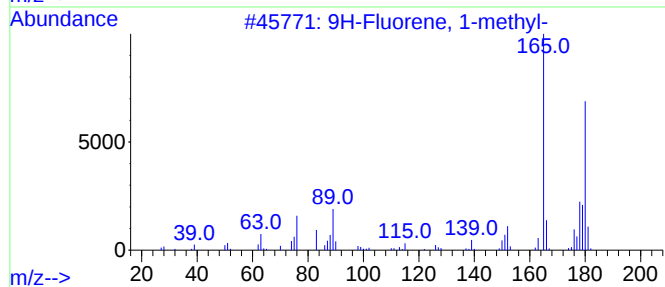
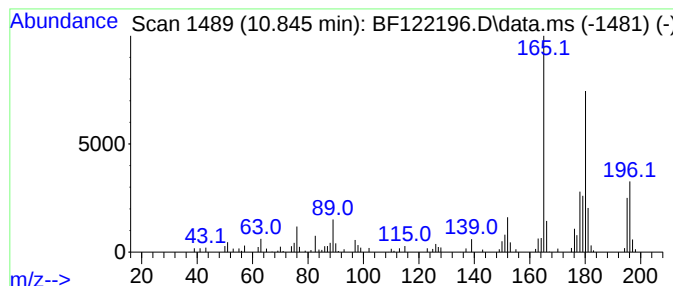
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.845	4.64 ng	186603	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83
4			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
5			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
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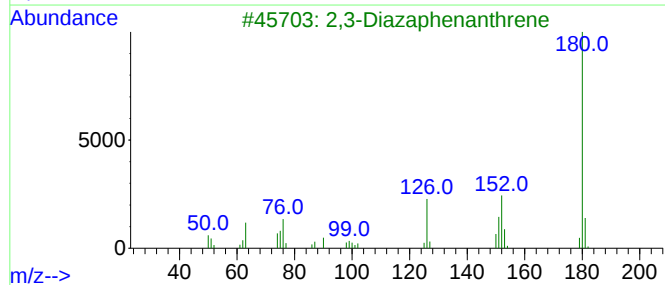
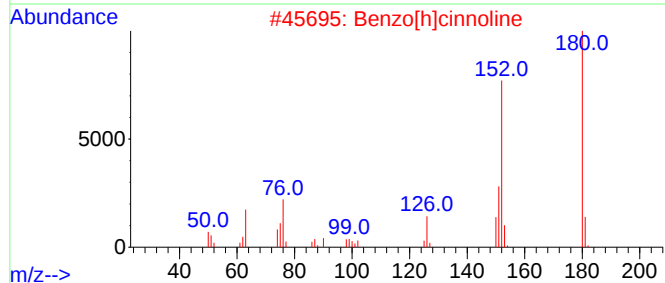
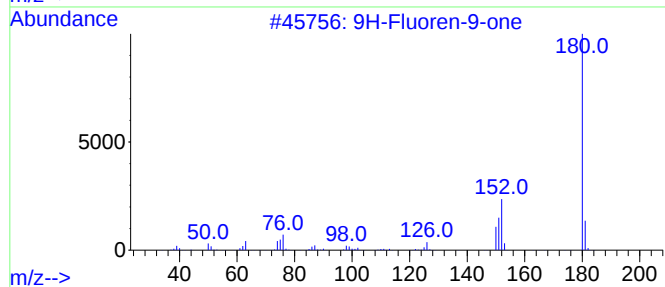
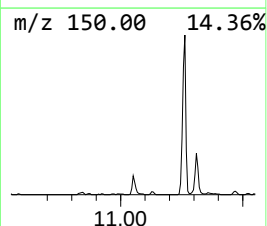
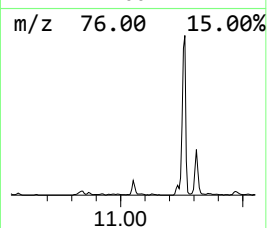
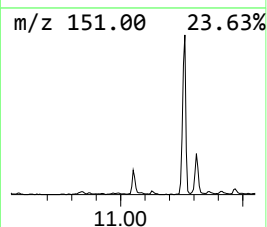
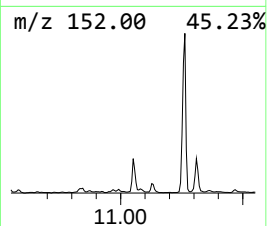
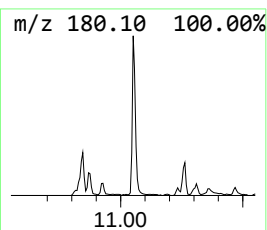
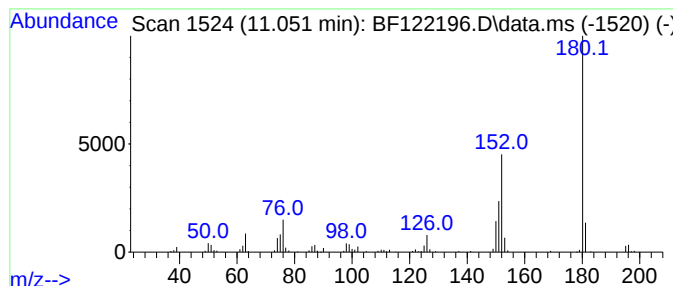
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	5.60 ng	225550	Phenanthrene-d10	11.233

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
4		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
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Sample : L4564-01
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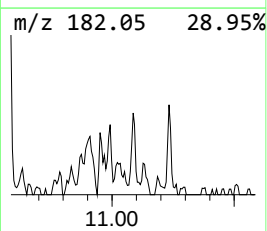
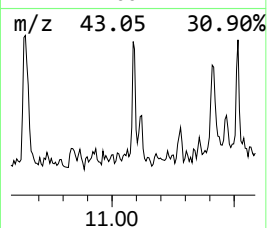
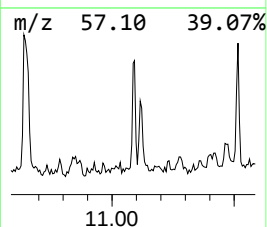
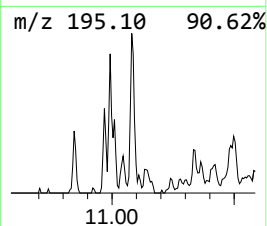
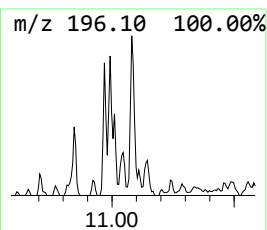
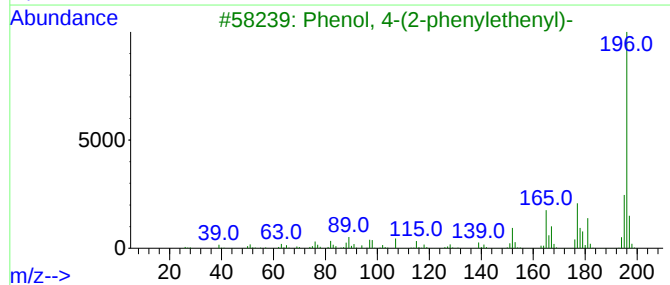
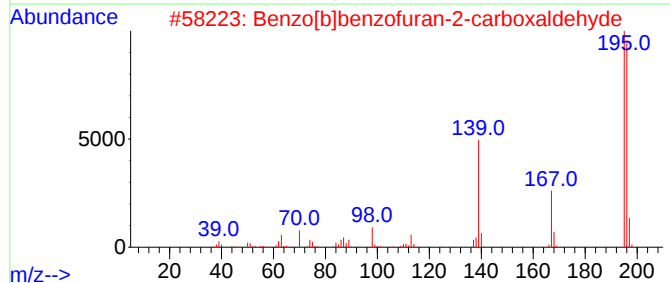
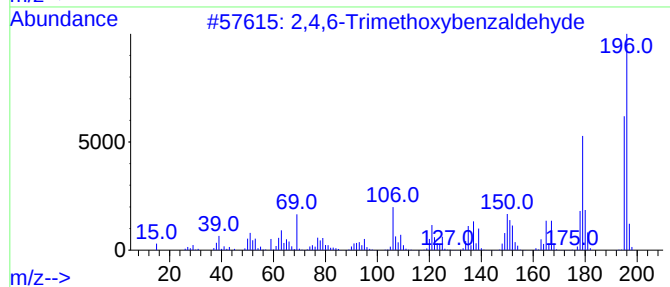
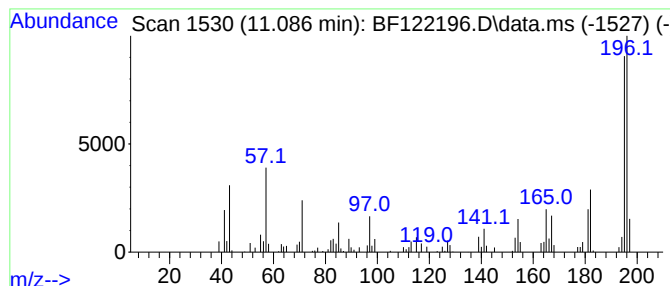
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2,4,6-Trimethoxybenzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.086	3.75 ng	150782	Phenanthrene-d10	11.233	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	59
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
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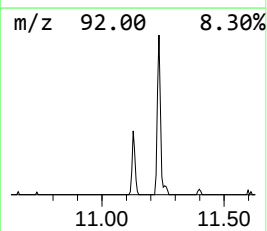
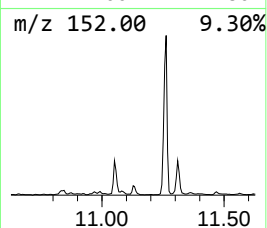
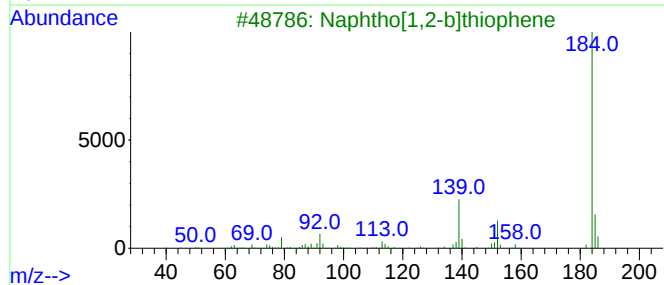
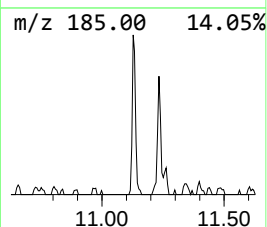
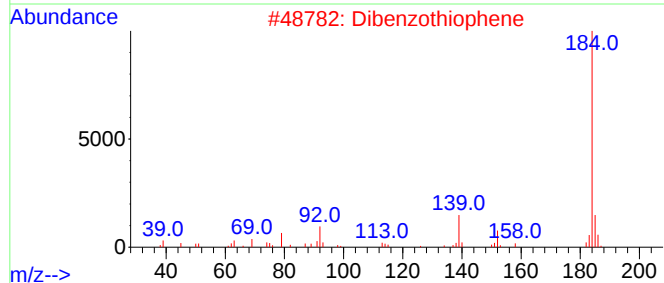
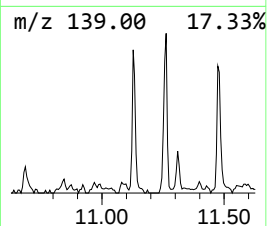
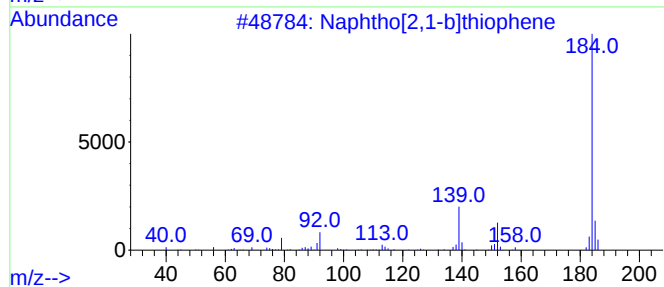
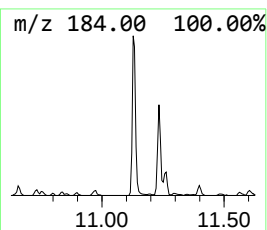
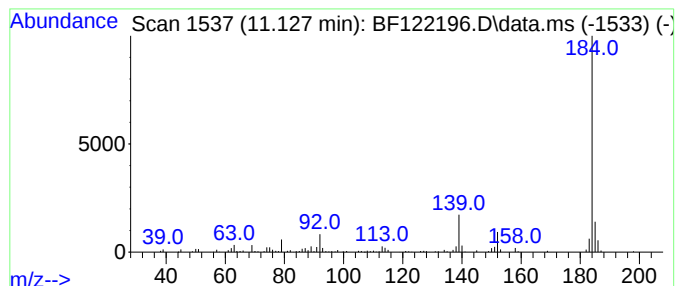
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.128	6.46 ng	259997	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2			Dibenzothiophene	184	C12H8S	000132-65-0	96
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
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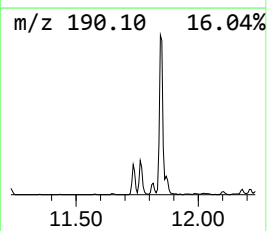
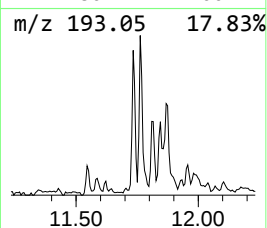
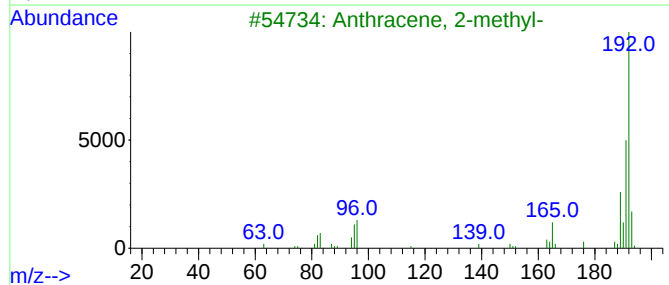
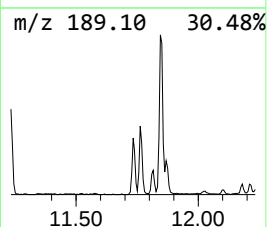
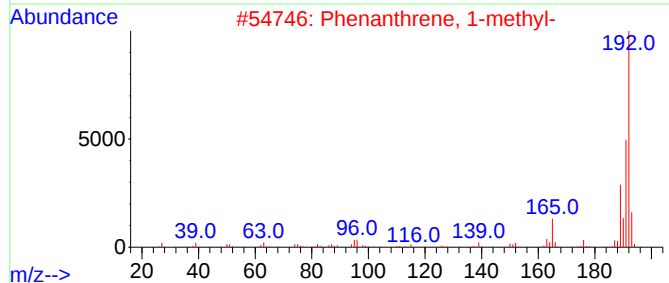
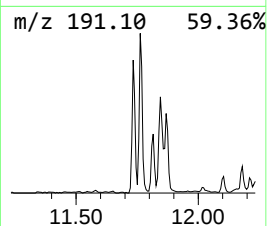
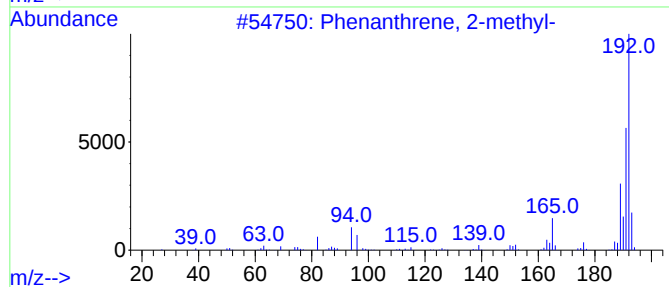
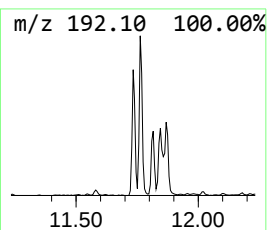
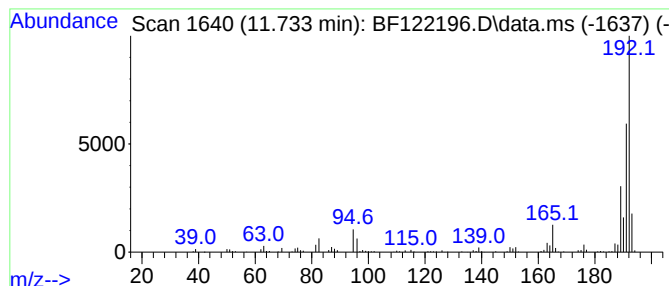
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	8.14 ng	327731	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
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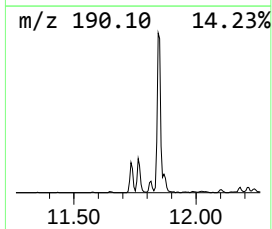
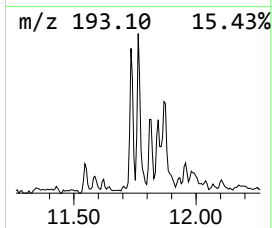
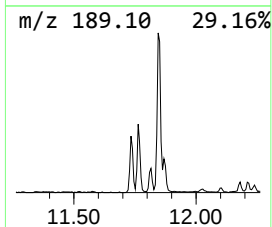
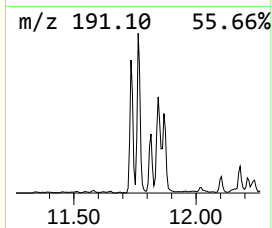
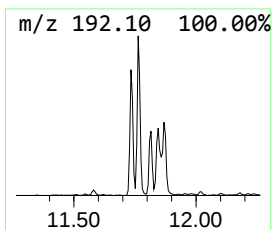
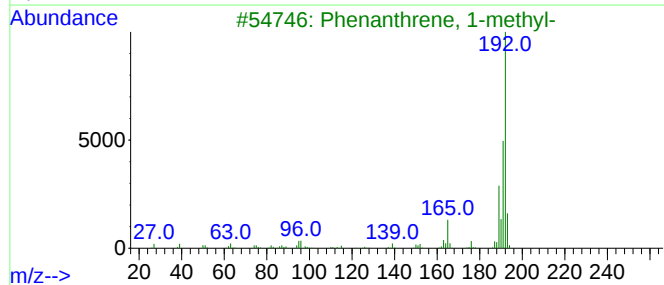
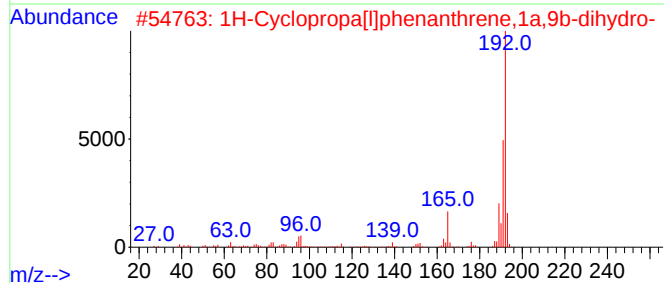
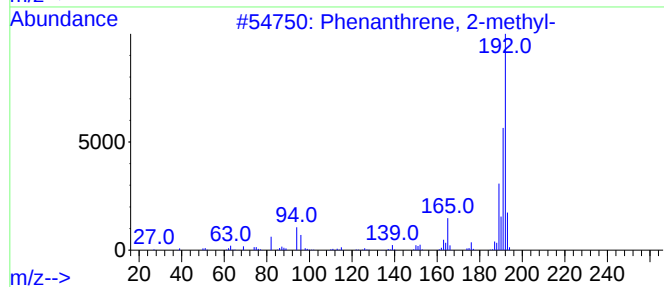
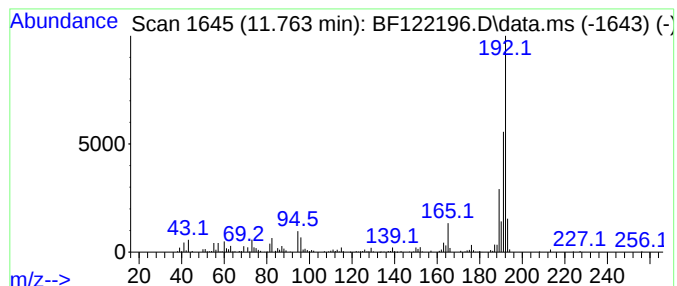
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	12.22 ng	491863	Phenanthrene-d10	11.233

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-A

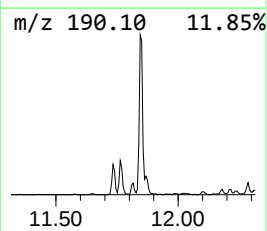
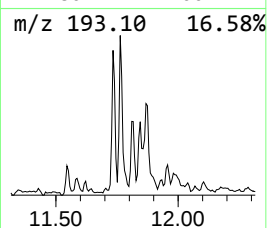
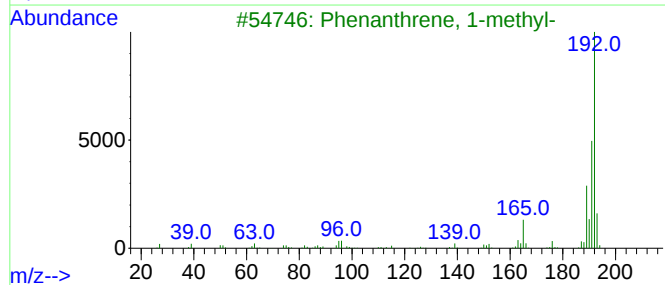
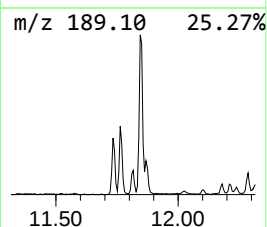
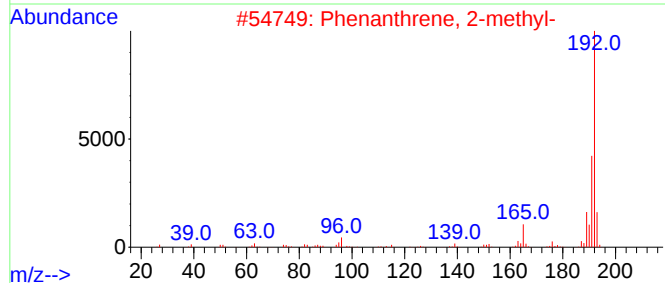
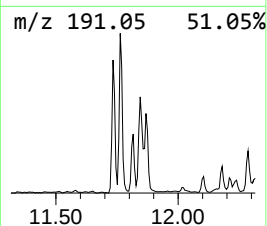
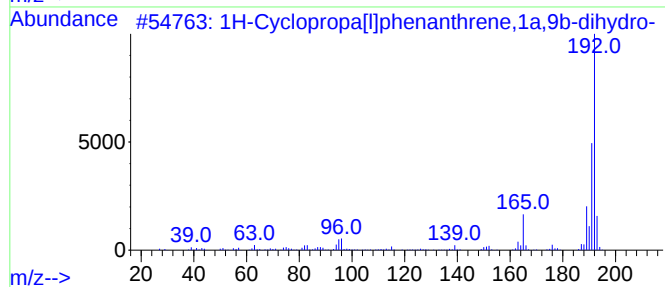
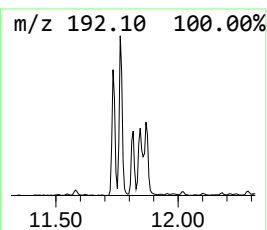
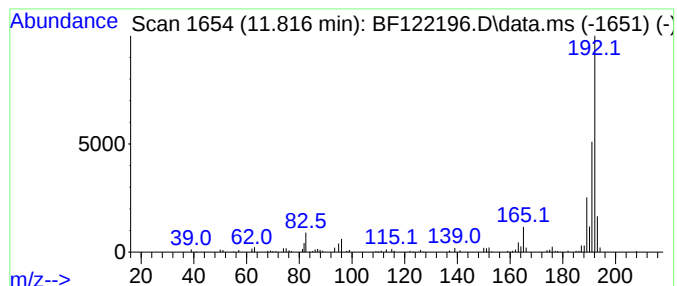
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.95 ng	159171	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
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Operator : JU/CG
Sample : L4564-01
Misc :
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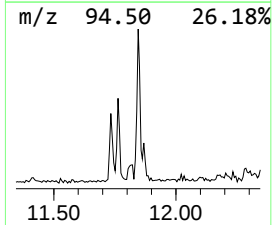
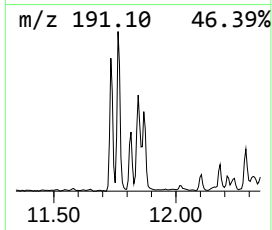
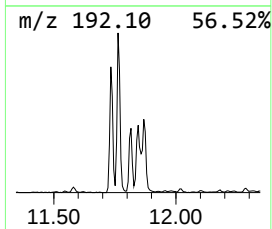
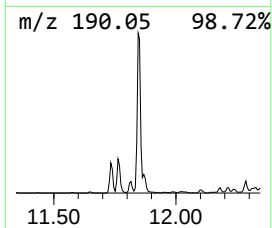
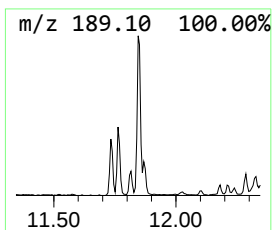
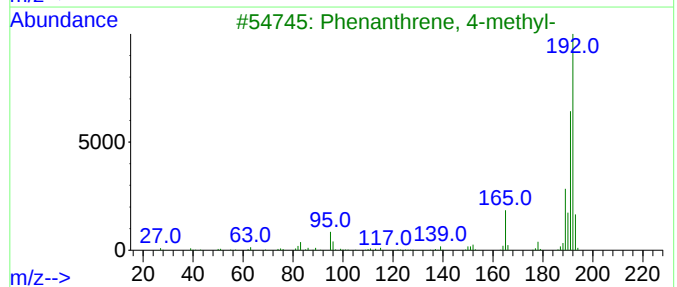
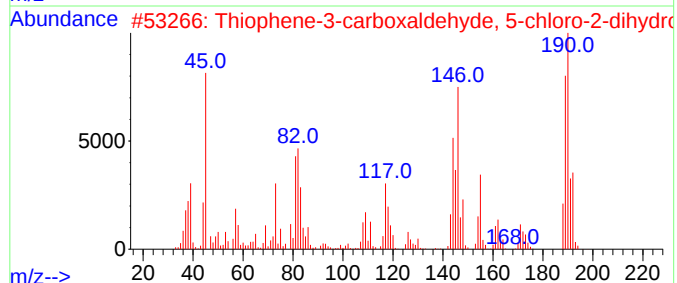
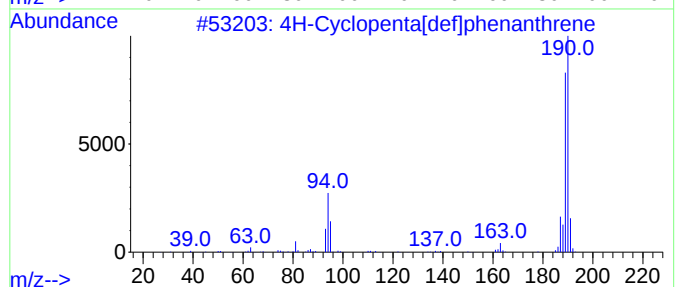
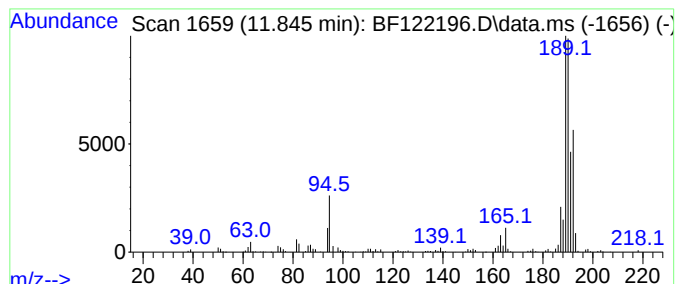
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.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.	
11.845	12.87 ng	517846	Phenanthrene-d10		11.233	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...		190	C5H4BClO3S	036155-87-0	50
3	Phenanthrene, 4-methyl-		192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene		192	C15H12	000256-81-5	30
5	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	20



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
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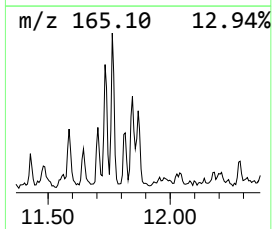
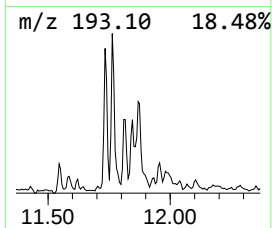
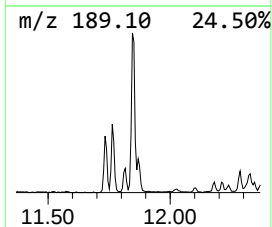
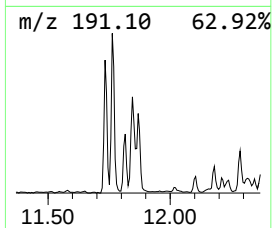
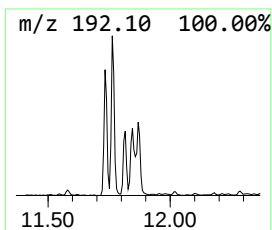
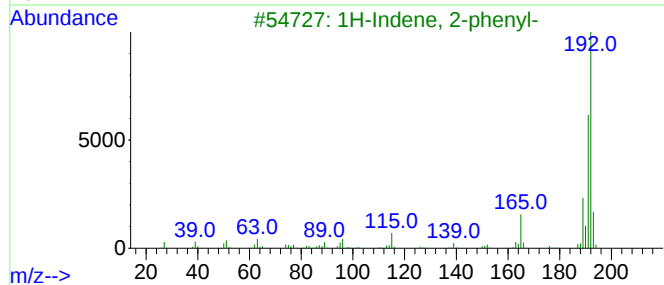
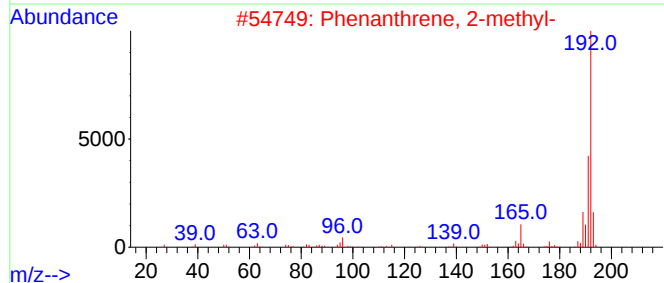
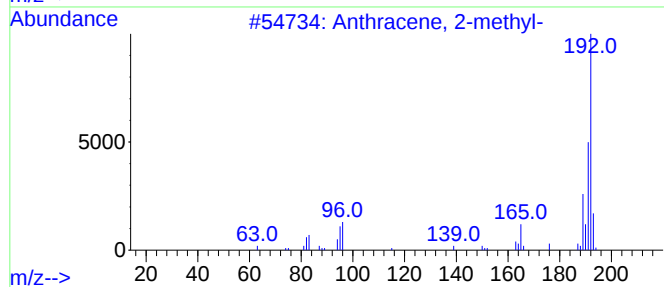
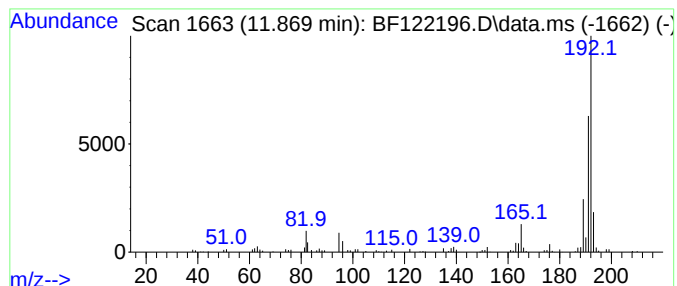
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	4.22 ng	169874	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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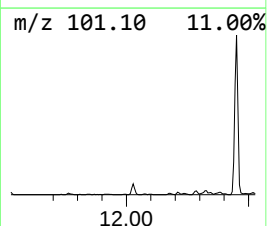
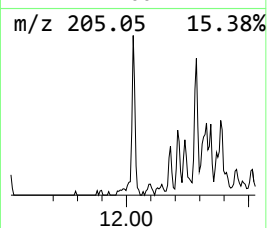
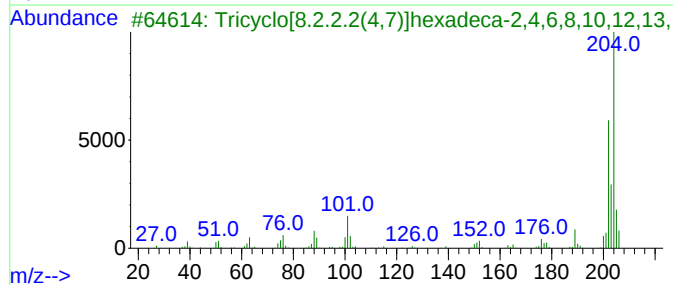
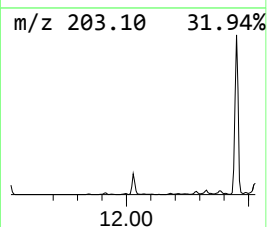
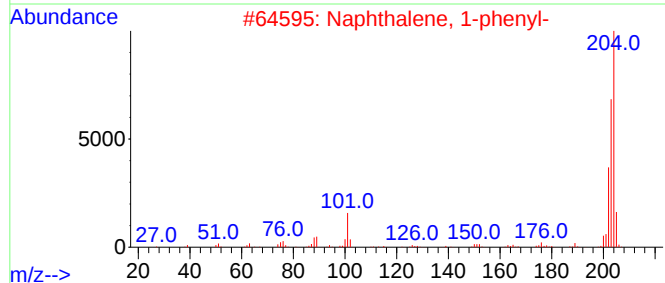
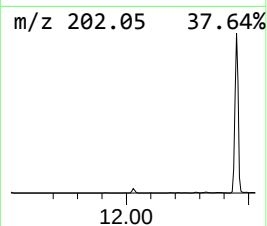
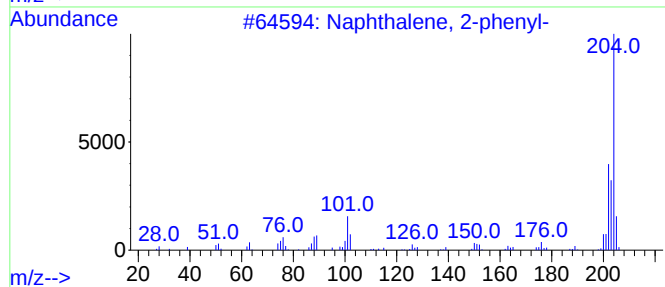
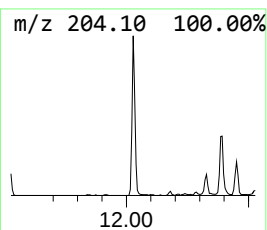
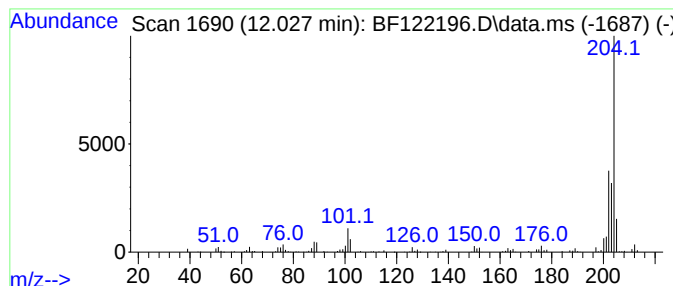
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	5.31 ng	213777	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
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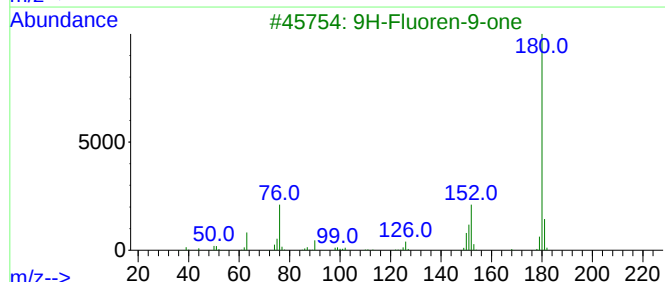
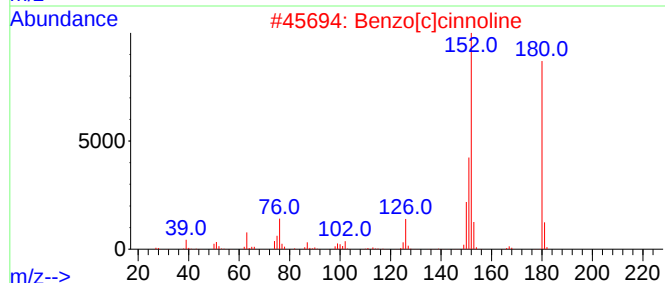
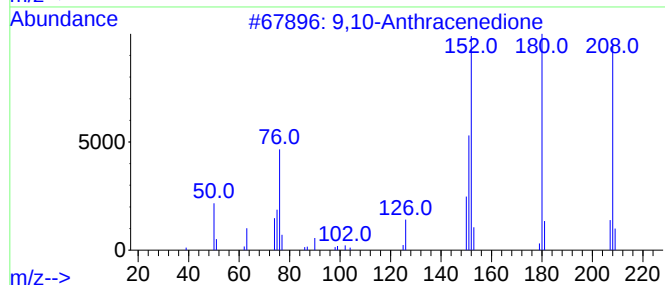
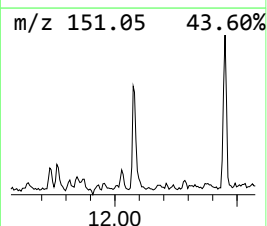
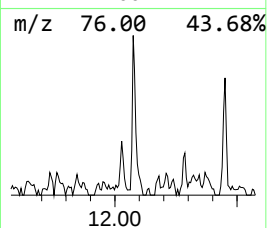
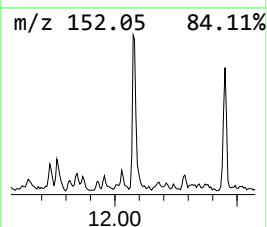
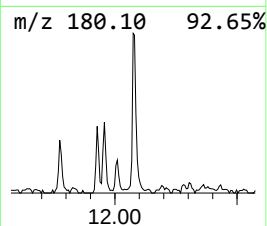
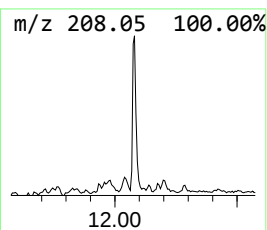
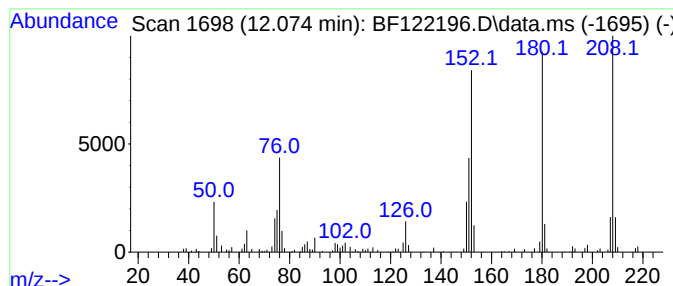
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	3.43 ng	138002	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5			5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
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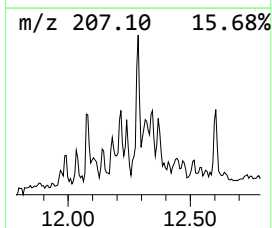
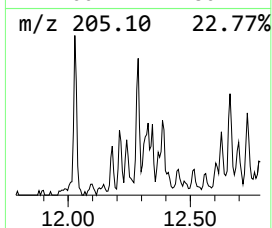
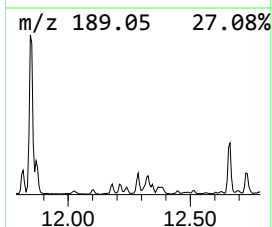
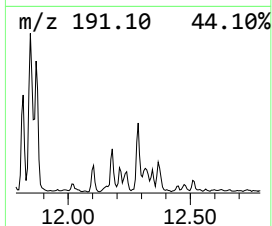
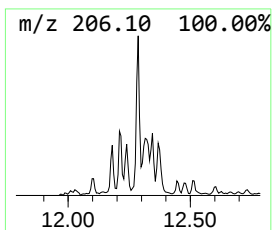
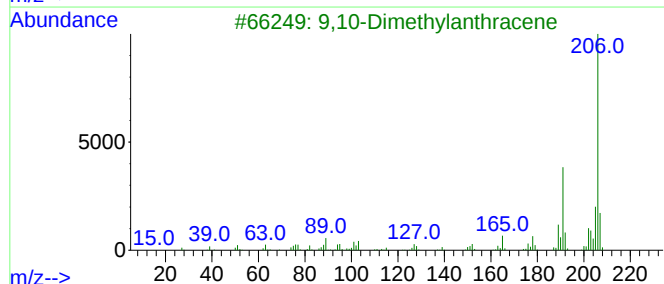
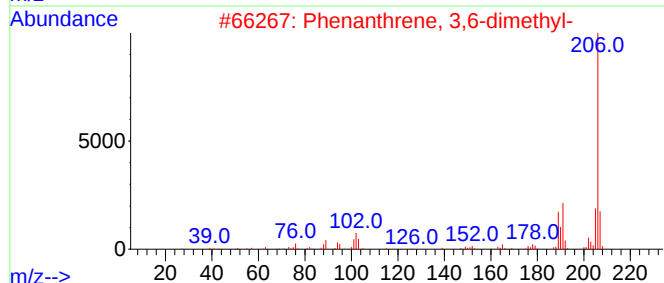
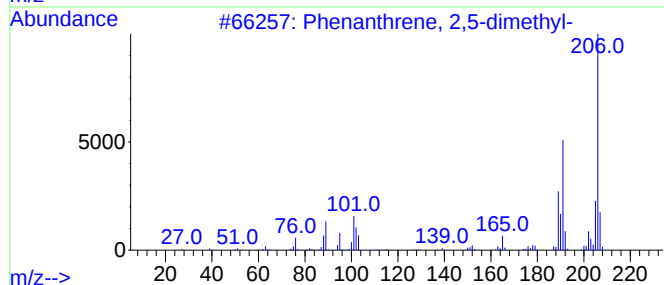
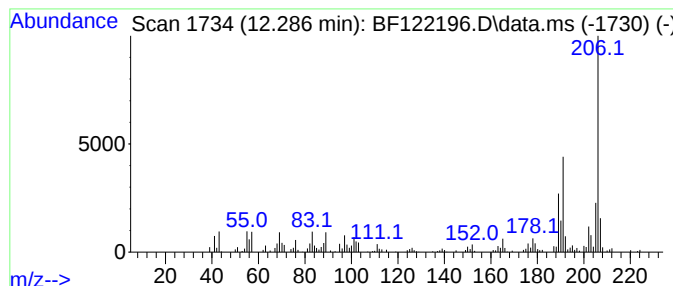
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	6.01 ng	241985	Phenanthrene-d10	11.233

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
FK-GF-03-017-A

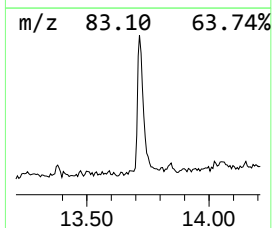
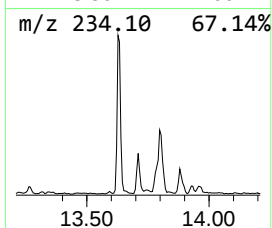
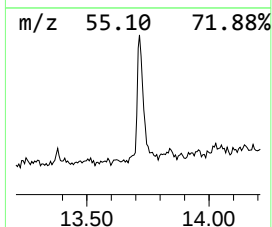
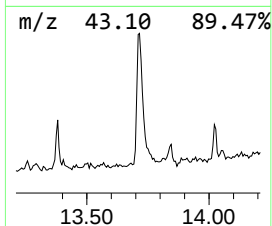
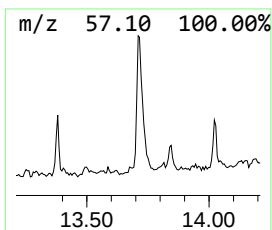
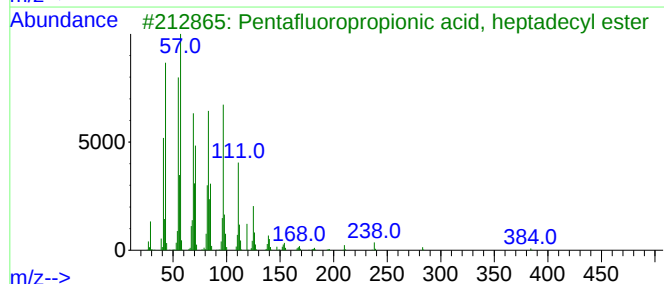
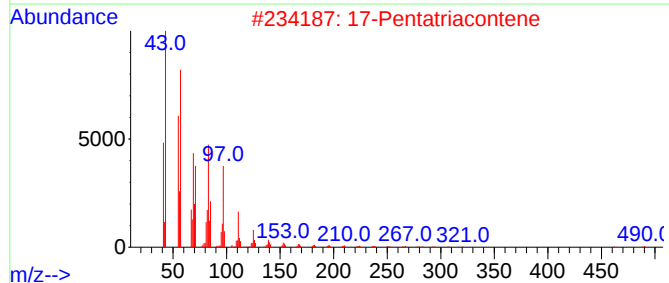
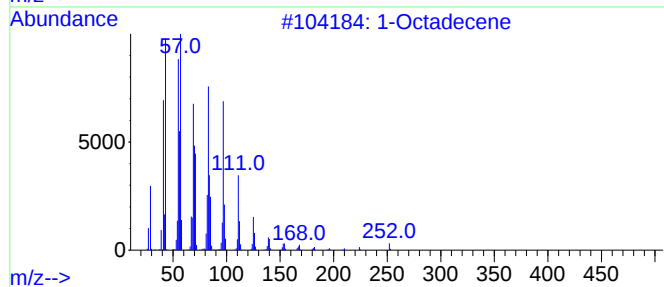
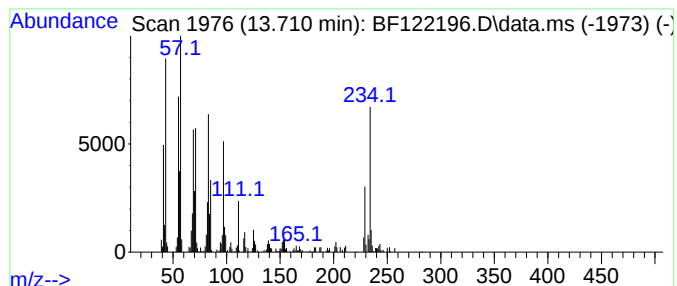
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1-Octadecene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.710	3.87 ng	340376	Chrysene-d12	13.880

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecene	252	C18H36	000112-88-9	91
2			17-Pentatriacontene	491	C35H70	006971-40-0	64
3			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	58
4			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	53
5			n-Heptadecanol-1	256	C17H36O	001454-85-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-A

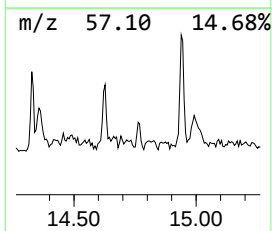
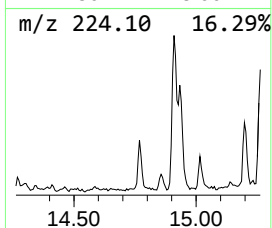
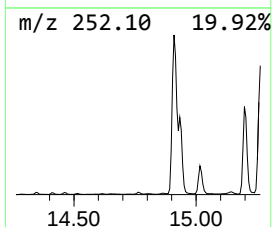
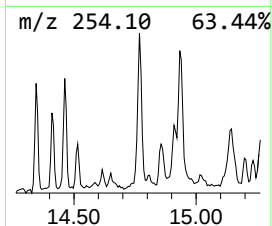
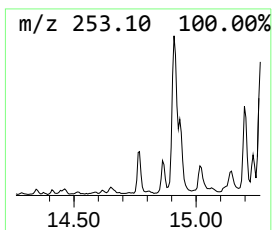
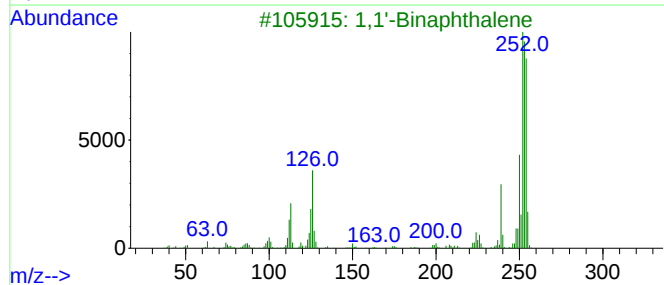
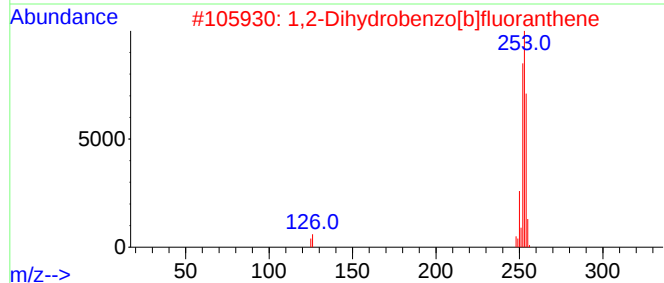
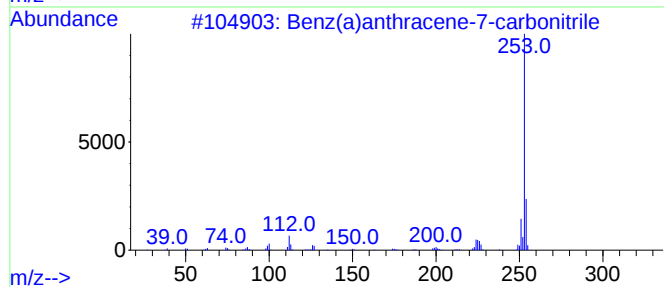
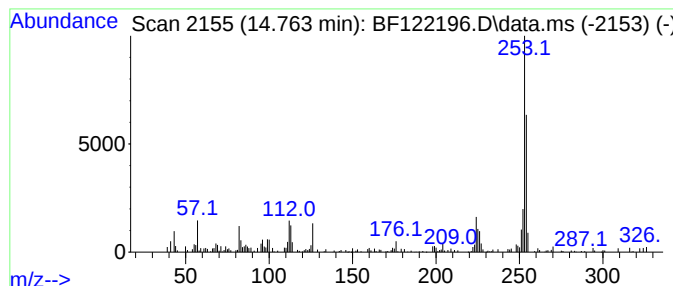
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.762	3.67 ng	91591	Perylene-d12	15.321

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	70
2		1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	58
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	53
4		Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	53
5		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-A

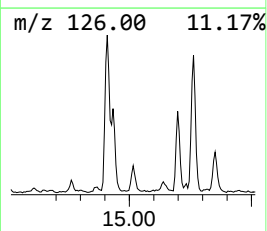
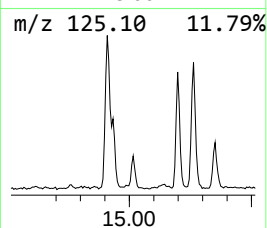
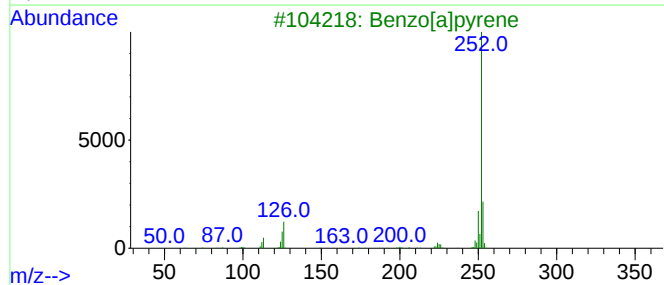
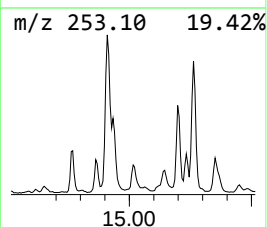
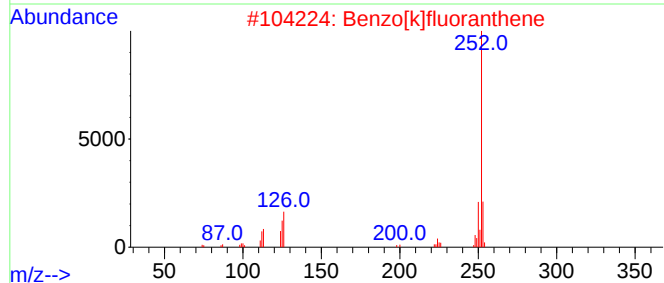
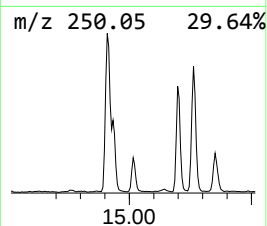
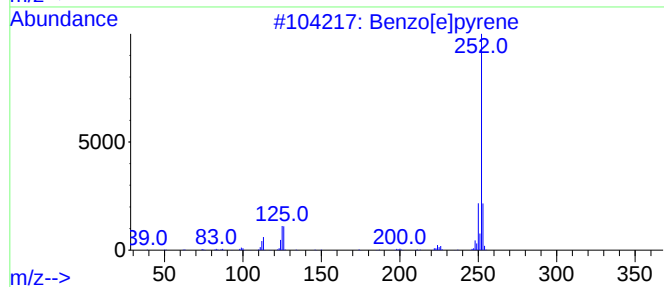
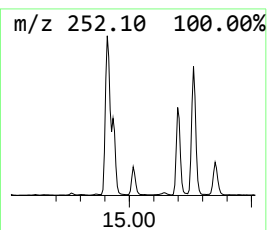
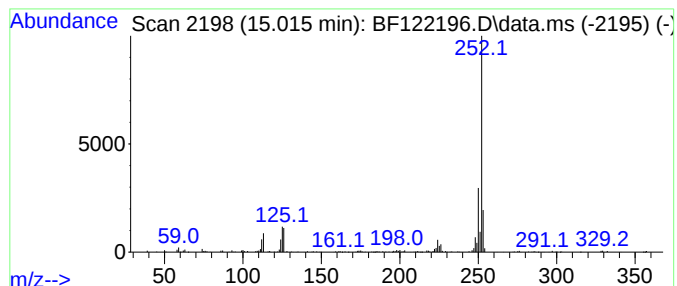
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.015	7.04 ng	175819	Perylene-d12	15.321

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3			Benzo[a]pyrene	252	C20H12	000050-32-8	90
4			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5			Perylene	252	C20H12	000198-55-0	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122196.D
Acq On : 30 Oct 2020 23:25
Operator : JU/CG
Sample : L4564-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-A

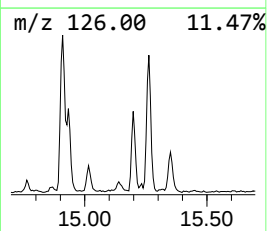
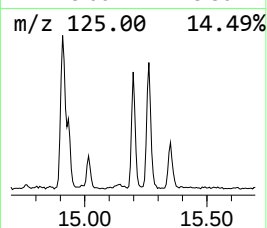
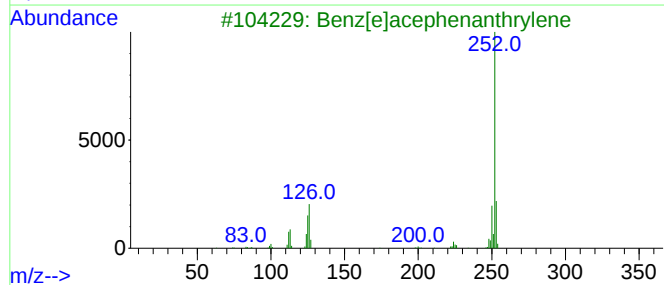
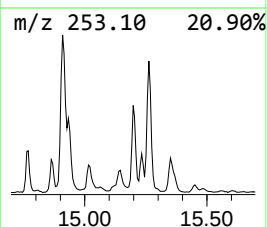
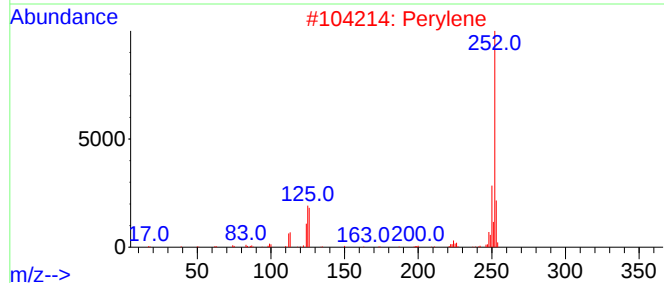
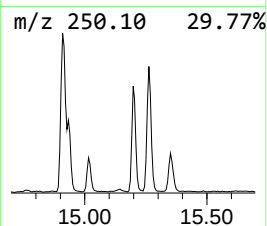
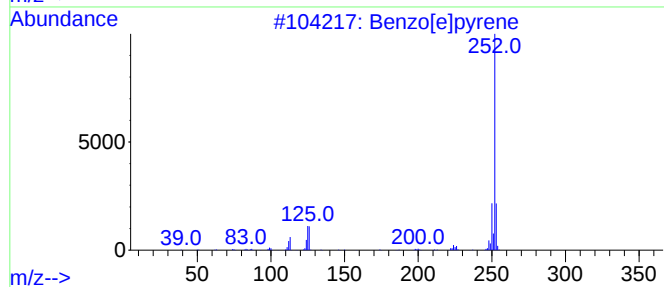
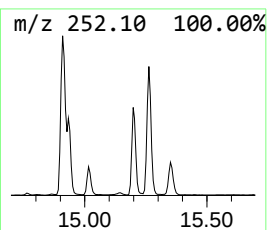
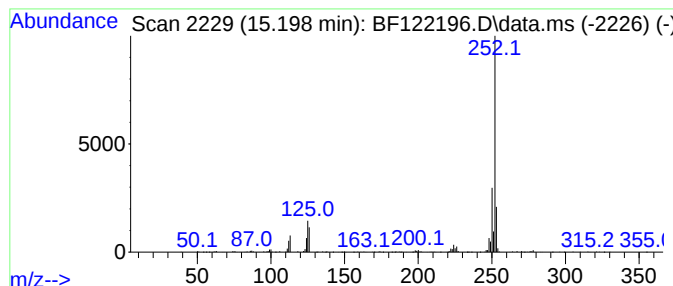
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	18.57 ng	463892	Perylene-d12	15.321

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122196.D
 Acq On : 30 Oct 2020 23:25
 Operator : JU/CG
 Sample : L4564-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-017-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2,4,7,9-Tetrame...	9.186	6.6	ng	302904	3	9.745	920066	20.0
Naphthalene, 2,...	9.339	3.3	ng	151800	3	9.745	920066	20.0
Naphthalene, 2,...	9.404	4.5	ng	208719	3	9.745	920066	20.0
9H-Fluoren-9-ol	10.451	3.6	ng	163831	3	9.745	920066	20.0
9H-Fluorene, 1-...	10.845	4.6	ng	186603	4	11.233	805010	20.0
9H-Fluoren-9-one	11.051	5.6	ng	225550	4	11.233	805010	20.0
2,4,6-Trimethox...	11.086	3.8	ng	150782	4	11.233	805010	20.0
Naphtho[2,1-b]t...	11.128	6.5	ng	259997	4	11.233	805010	20.0
Phenanthrene, 2...	11.733	8.1	ng	327731	4	11.233	805010	20.0
1H-Cyclopropa[1...	11.763	12.2	ng	491863	4	11.233	805010	20.0
Phenanthrene, 1...	11.816	4.0	ng	159171	4	11.233	805010	20.0
4H-Cyclopenta[d...	11.845	12.9	ng	517846	4	11.233	805010	20.0
Anthracene, 2-m...	11.869	4.2	ng	169874	4	11.233	805010	20.0
Naphthalene, 2-...	12.027	5.3	ng	213777	4	11.233	805010	20.0
9,10-Anthracene...	12.075	3.4	ng	138002	4	11.233	805010	20.0
Phenanthrene, 2...	12.286	6.0	ng	241985	4	11.233	805010	20.0
1-Octadecene	13.710	3.9	ng	340376	5	13.880	1758010	20.0
Benz(a)anthrace...	14.762	3.7	ng	91591	6	15.321	499510	20.0
Benzo[e]pyrene	15.015	7.0	ng	175819	6	15.321	499510	20.0
Perylene	15.198	18.6	ng	463892	6	15.321	499510	20.0