

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100946.D
 Acq On : 28 Nov 2017 20:47
 Operator : SJ/JU
 Sample : I6579-09 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-2-E(0-1)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	572	575	582	rVB	139228	118730	4.78%	0.342%
2	6.481	744	747	757	rVB	144375	123835	4.98%	0.357%
3	6.622	768	771	775	rBV	163032	132448	5.33%	0.381%
4	6.857	807	811	815	rBV	423544	337100	13.56%	0.971%
5	7.010	834	837	841	rBV	123521	105080	4.23%	0.303%
6	8.139	1025	1029	1031	rBV	513013	398857	16.05%	1.148%
7	8.786	1132	1139	1146	rVB	64672	102237	4.11%	0.294%
8	9.210	1208	1211	1216	rVB	185207	145195	5.84%	0.418%
9	9.616	1275	1280	1285	rVV2	287732	338593	13.62%	0.975%
10	9.757	1301	1304	1307	rBV	746293	606603	24.40%	1.747%
11	9.898	1325	1328	1331	rVV	394265	367647	14.79%	1.059%
12	9.928	1331	1333	1336	rVB	169566	123837	4.98%	0.357%
13	10.051	1349	1354	1357	rBV3	105631	127870	5.14%	0.368%
14	10.098	1357	1362	1365	rVV2	101037	123197	4.96%	0.355%
15	10.204	1376	1380	1383	rBV2	190607	212066	8.53%	0.611%
16	10.292	1392	1395	1398	rBV3	85340	128303	5.16%	0.369%
17	10.351	1402	1405	1407	rBV	195918	173954	7.00%	0.501%
18	10.445	1418	1421	1427	rVB2	165818	261656	10.53%	0.753%
19	10.510	1427	1432	1433	rBV3	62586	90894	3.66%	0.262%
20	10.551	1437	1439	1442	rVV2	118717	124848	5.02%	0.359%
21	10.680	1456	1461	1465	rBV2	142032	149343	6.01%	0.430%
22	10.804	1477	1482	1486	rBV2	244012	268427	10.80%	0.773%
23	10.986	1510	1513	1516	rVV3	113754	173292	6.97%	0.499%
24	11.016	1516	1518	1521	rVV2	103511	123342	4.96%	0.355%
25	11.074	1525	1528	1531	rVV	101215	125474	5.05%	0.361%
26	11.145	1537	1540	1543	rVV2	178119	215269	8.66%	0.620%
27	11.186	1545	1547	1550	rVV3	89670	110415	4.44%	0.318%
28	11.233	1552	1555	1558	rVV4	99690	140765	5.66%	0.405%
29	11.280	1558	1563	1570	rVB2	122379	214016	8.61%	0.616%
30	11.386	1577	1581	1582	rBV	327668	312341	12.56%	0.899%
31	11.410	1582	1585	1590	rVV	1397860	1275987	51.33%	3.674%
32	11.463	1590	1594	1596	rVV	794227	621438	25.00%	1.789%
33	11.492	1596	1599	1602	rVB3	74404	91362	3.68%	0.263%
34	11.886	1662	1666	1668	rBV	375883	311794	12.54%	0.898%

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Filtering: 5
 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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35	11.916	1668	1671	1674	rVB	437668	402450	16.19%	1.159%
36	11.963	1674	1679	1682	rBV	359751	349998	14.08%	1.008%
37	11.998	1682	1685	1688	rBV	556327	729169	29.33%	2.100%
38	12.180	1710	1716	1718	rVV3	200097	294826	11.86%	0.849%
39	12.251	1726	1728	1735	rVB4	65756	103534	4.16%	0.298%
40	12.327	1739	1741	1743	rVV	119540	94802	3.81%	0.273%
41	12.357	1744	1746	1748	rVV	108182	94246	3.79%	0.271%
42	12.380	1748	1750	1753	rVB2	120460	114683	4.61%	0.330%
43	12.433	1753	1759	1762	rBV	488074	611545	24.60%	1.761%
44	12.474	1762	1766	1768	rVV2	294390	419481	16.87%	1.208%
45	12.527	1771	1775	1779	rVV2	284728	405703	16.32%	1.168%
46	12.604	1783	1788	1791	rBV	1635588	1621810	65.24%	4.670%
47	12.639	1791	1794	1796	rVV3	103726	123990	4.99%	0.357%
48	12.663	1796	1798	1800	rVV2	102416	90554	3.64%	0.261%
49	12.692	1800	1803	1806	rVB	191476	175281	7.05%	0.505%
50	12.768	1811	1816	1820	rVB4	169714	300673	12.10%	0.866%
51	12.839	1821	1828	1832	rBV	2022917	2485844	100.00%	7.158%
52	12.880	1832	1835	1839	rVB2	253144	298678	12.02%	0.860%
53	12.939	1843	1845	1847	rVV2	120144	126424	5.09%	0.364%
54	12.963	1847	1849	1851	rVV2	158819	152459	6.13%	0.439%
55	12.986	1851	1853	1857	rVB	208253	187938	7.56%	0.541%
56	13.045	1859	1863	1870	rBV4	413902	713455	28.70%	2.054%
57	13.133	1875	1878	1880	rVV3	389177	525097	21.12%	1.512%
58	13.157	1880	1882	1885	rVB2	511281	458505	18.44%	1.320%
59	13.204	1885	1890	1891	rBV4	87633	126299	5.08%	0.364%
60	13.221	1891	1893	1896	rVV2	335236	322245	12.96%	0.928%
61	13.263	1896	1900	1903	rVV2	565488	548529	22.07%	1.579%
62	13.321	1907	1910	1913	rVV2	80200	99758	4.01%	0.287%
63	13.357	1913	1916	1919	rVV	581674	540166	21.73%	1.555%
64	13.386	1919	1921	1924	rVB	494100	399590	16.07%	1.151%
65	13.468	1932	1935	1939	rVB2	97345	113788	4.58%	0.328%
66	13.527	1943	1945	1947	rVV3	86739	105674	4.25%	0.304%
67	13.557	1948	1950	1952	rVV3	142337	170415	6.86%	0.491%
68	13.604	1956	1958	1960	rVV3	114007	100458	4.04%	0.289%
69	13.639	1961	1964	1966	rVV2	130763	177577	7.14%	0.511%
70	13.663	1966	1968	1973	rVV	217096	293704	11.82%	0.846%
71	13.727	1977	1979	1981	rVV	143802	116768	4.70%	0.336%

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Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	13.780	1981	1988	1990	rVV3	206392	406079	16.34%	1.169%
73	13.804	1990	1992	1994	rVV	319454	247302	9.95%	0.712%
74	13.833	1994	1997	2002	rVV3	188918	305897	12.31%	0.881%
75	13.874	2002	2004	2008	rVB2	107927	110100	4.43%	0.317%
76	14.021	2022	2029	2033	rBV2	1222397	1990877	80.09%	5.733%
77	14.063	2033	2036	2042	rVB	1187673	1207300	48.57%	3.476%
78	14.115	2042	2045	2047	rBV	115389	111063	4.47%	0.320%
79	14.174	2053	2055	2057	rBV	171777	149737	6.02%	0.431%
80	14.280	2071	2073	2077	rVB2	127444	126242	5.08%	0.364%
81	14.345	2081	2084	2087	rBV3	120640	128699	5.18%	0.371%
82	14.374	2087	2089	2091	rBV	157689	151568	6.10%	0.436%
83	14.415	2091	2096	2099	rVV	588390	708664	28.51%	2.041%
84	14.451	2099	2102	2105	rVV	347222	365077	14.69%	1.051%
85	14.492	2105	2109	2111	rVV2	221249	375516	15.11%	1.081%
86	14.539	2114	2117	2119	rVV2	378025	421189	16.94%	1.213%
87	14.562	2119	2121	2124	rVV	323933	315663	12.70%	0.909%
88	14.610	2126	2129	2135	rVV3	213110	286970	11.54%	0.826%
89	14.751	2150	2153	2158	rVB3	113699	184509	7.42%	0.531%
90	14.910	2177	2180	2184	rVB3	110191	162143	6.52%	0.467%
91	15.080	2202	2209	2212	rBV	722818	1259090	50.65%	3.625%
92	15.180	2223	2226	2230	rVB	215645	231285	9.30%	0.666%
93	15.380	2255	2260	2265	rVB	493978	676981	27.23%	1.949%
94	15.445	2266	2271	2275	rVV2	575502	777814	31.29%	2.240%
95	15.504	2275	2281	2284	rVV	263575	403584	16.24%	1.162%
96	15.539	2284	2287	2293	rVV2	184844	331488	13.34%	0.955%
97	15.680	2306	2311	2314	rBV2	69500	133548	5.37%	0.385%
98	15.862	2339	2342	2350	rVB	56739	91131	3.67%	0.262%
99	16.986	2526	2533	2542	rVV2	211844	423836	17.05%	1.220%
100	17.439	2603	2610	2618	rVB	171494	373113	15.01%	1.074%

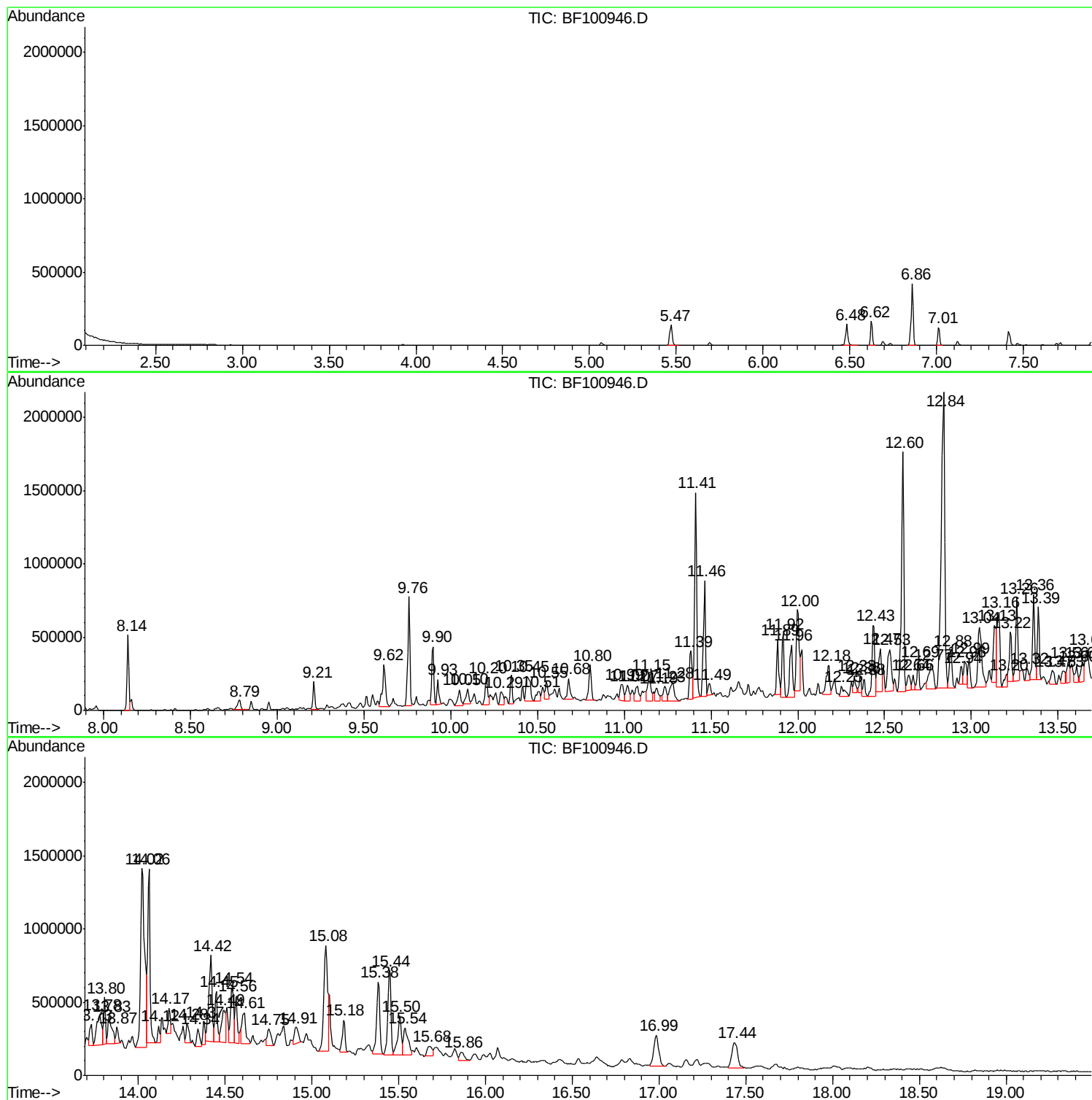
Sum of corrected areas: 34728796

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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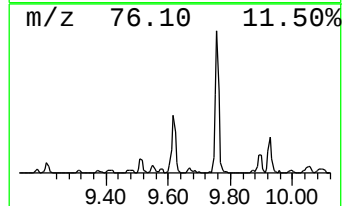
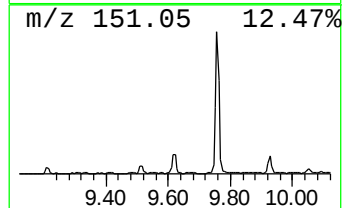
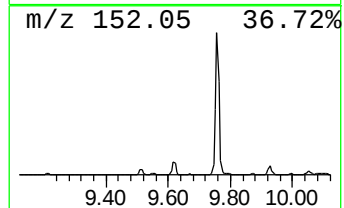
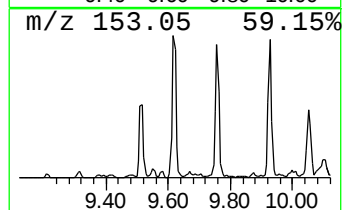
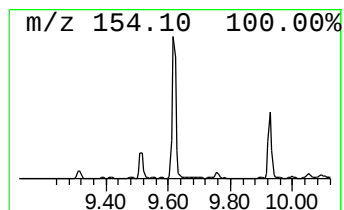
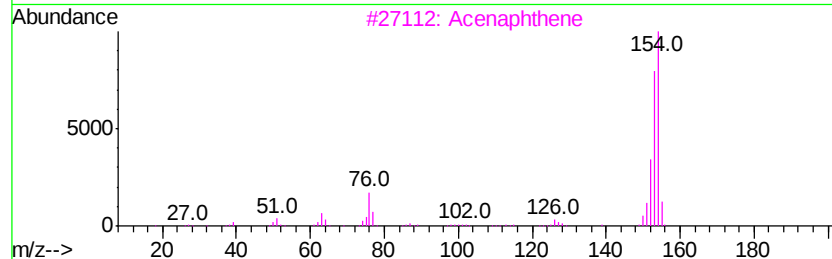
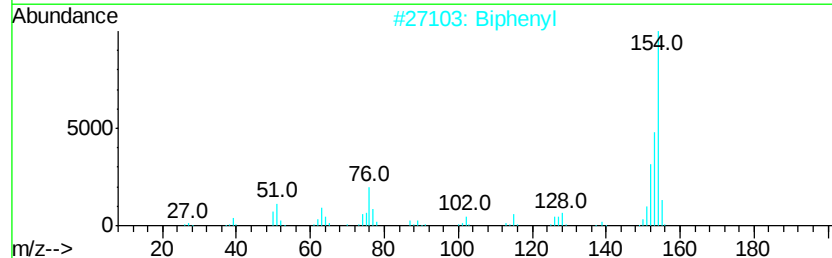
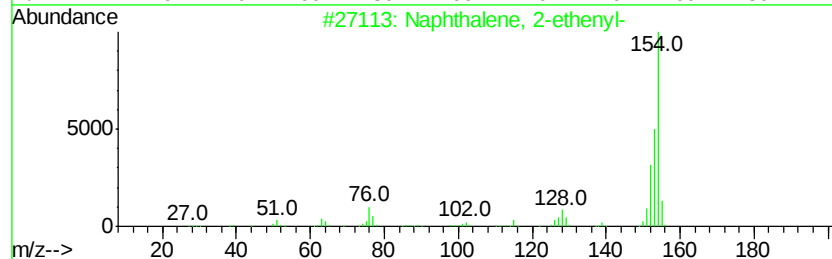
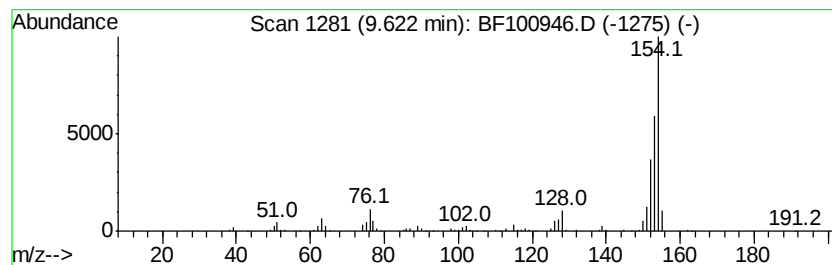
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 2-ethenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	18.42 ng	338593	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	94
2		Biphenyl	154	C12H10	000092-52-4	90
3		Acenaphthene	154	C12H10	000083-32-9	81
4		Propanedinitrile, (phenylmethyle...	154	C10H6N2	002700-22-3	47
5		6-Cyanoquinoline	154	C10H6N2	023395-72-4	47



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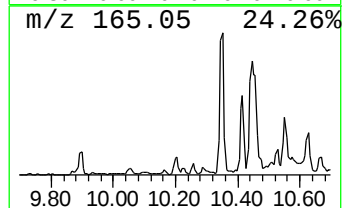
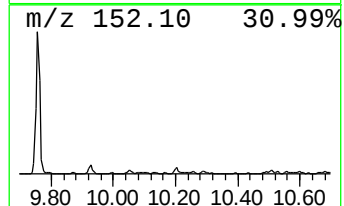
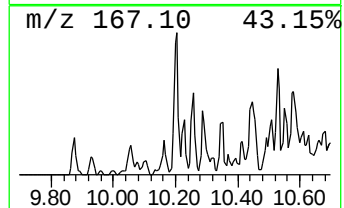
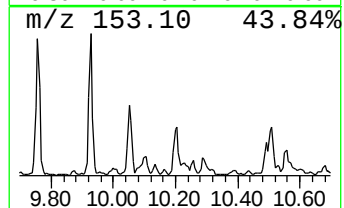
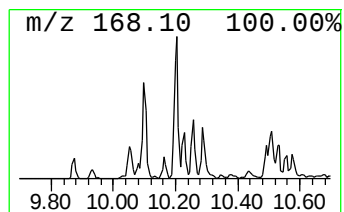
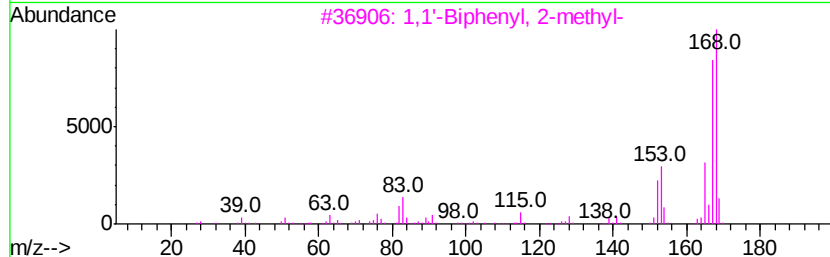
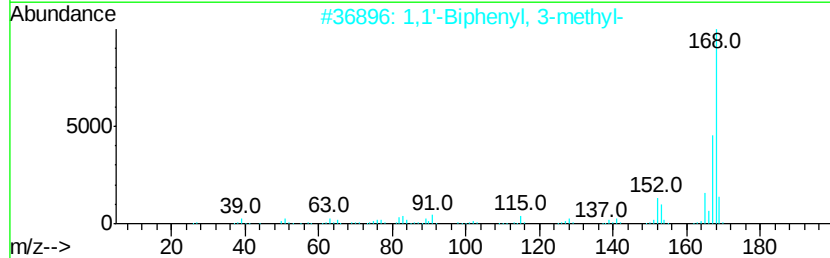
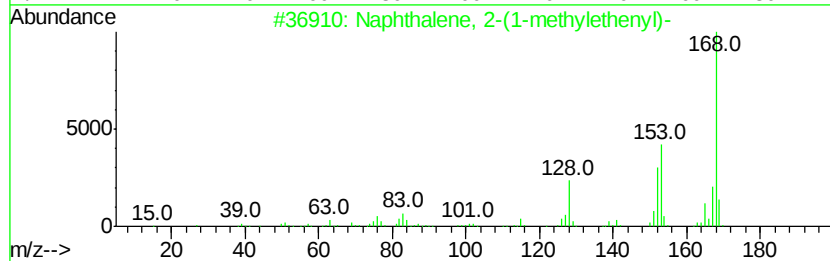
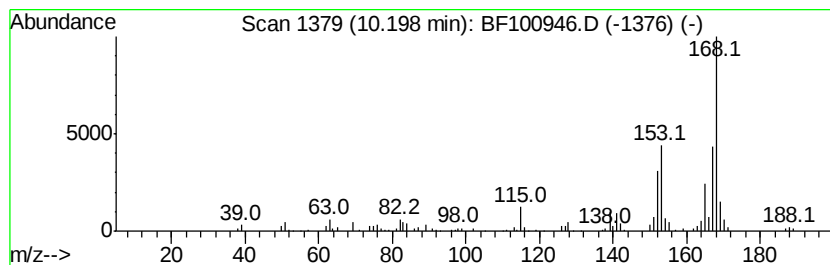
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	11.54 ng	212066	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 58
2		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 50
3		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 49
4		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 47
5		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 43



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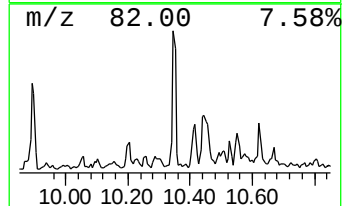
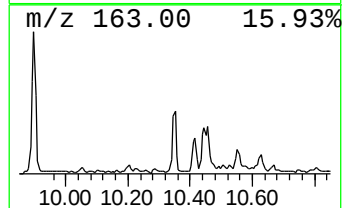
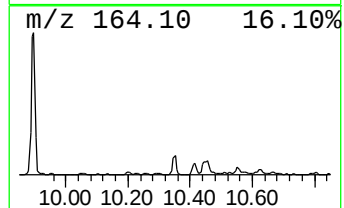
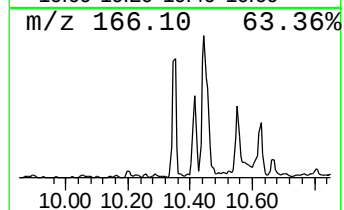
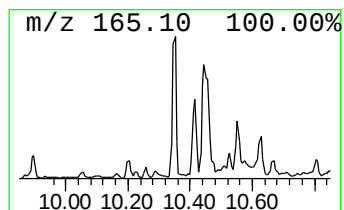
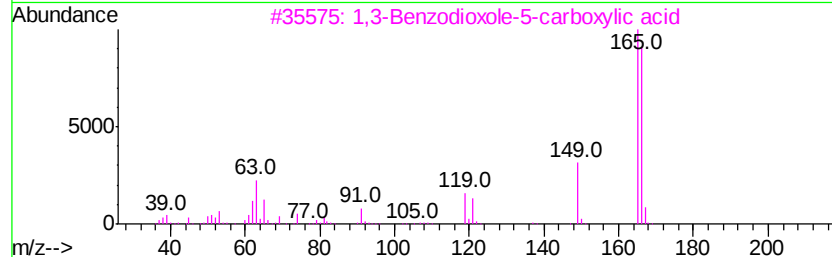
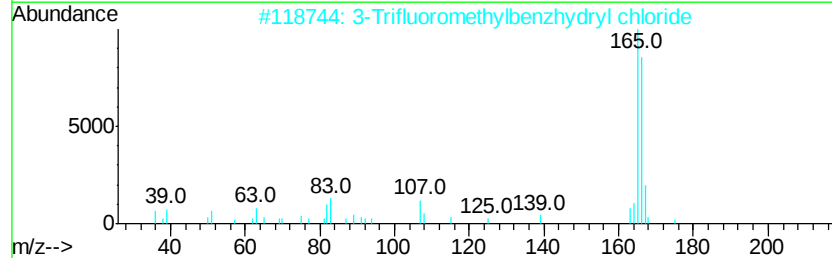
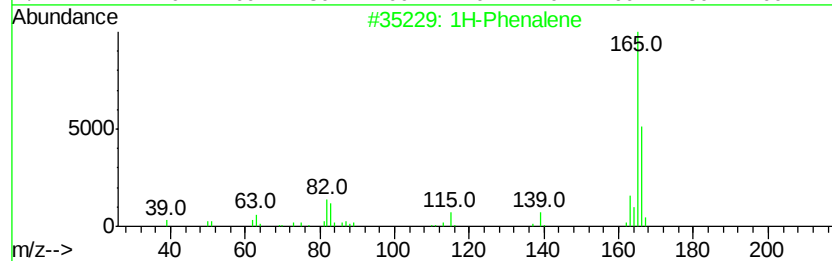
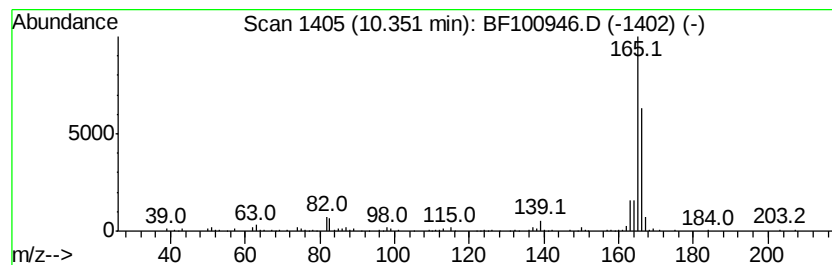
Instrument :
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ClientSampleId :
HAR-2-E(0-1)

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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 3 1H-Phenalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	9.46 ng	173954	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Phenalene	166 C13H10	000203-80-5 78
2		3-Trifluoromethylbenzhdyryl chlo...	270 C14H10ClF3	067240-79-3 64
3		1,3-Benzodioxole-5-carboxylic acid	166 C8H6O4	000094-53-1 64
4		Fluorene-9-methanol	196 C14H12O	024324-17-2 56
5		Fluorene	166 C13H10	000086-73-7 50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(0-1)

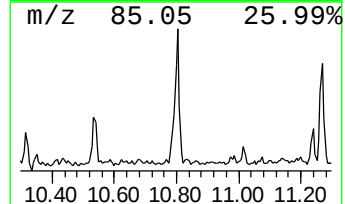
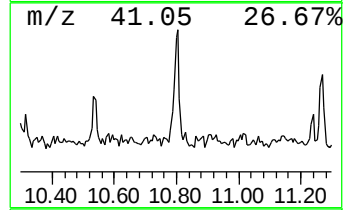
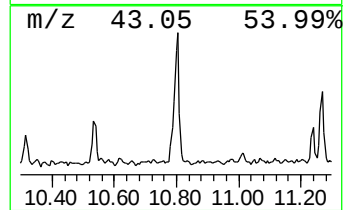
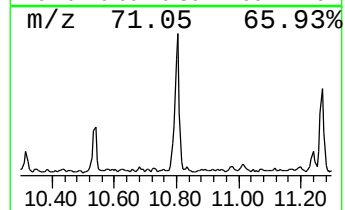
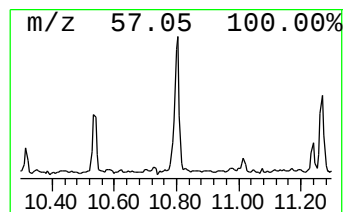
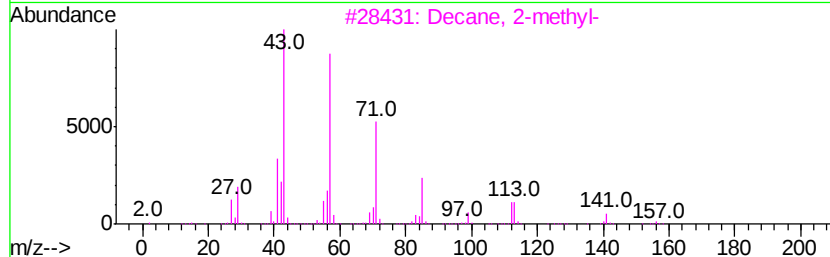
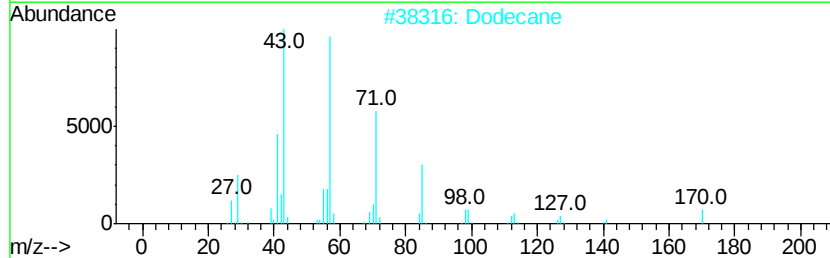
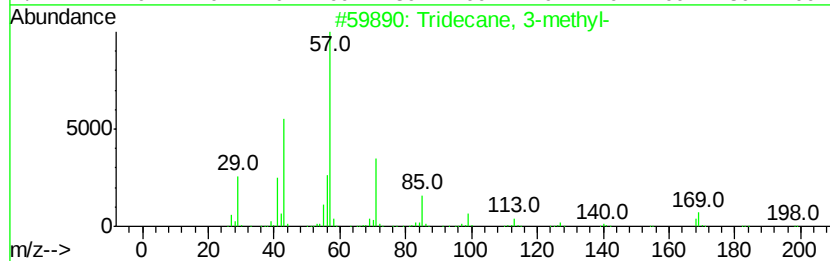
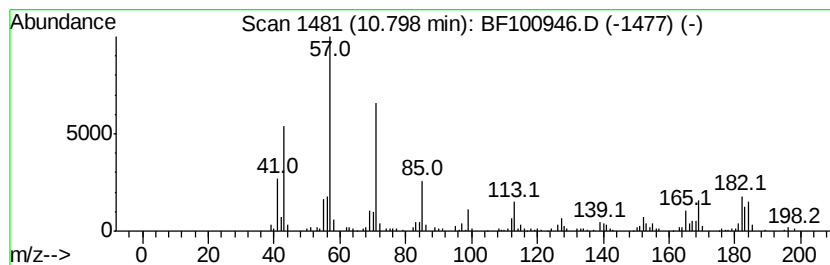
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown10.80 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	17.19 ng	268427	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
2		Dodecane	170	C12H26	000112-40-3	42
3		Decane, 2-methyl-	156	C11H24	006975-98-0	42
4		Octane, 2-methyl-	128	C9H20	003221-61-2	38
5		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100946.D
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Operator : SJ/JU
Sample : I6579-09 10X
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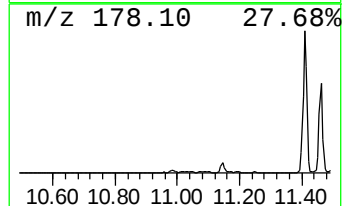
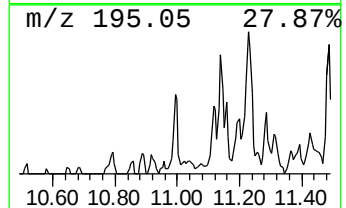
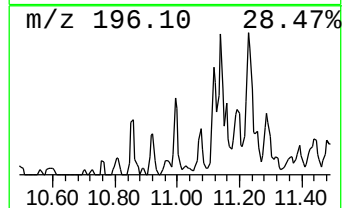
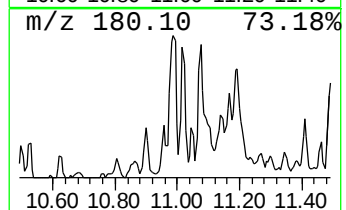
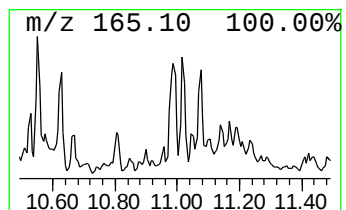
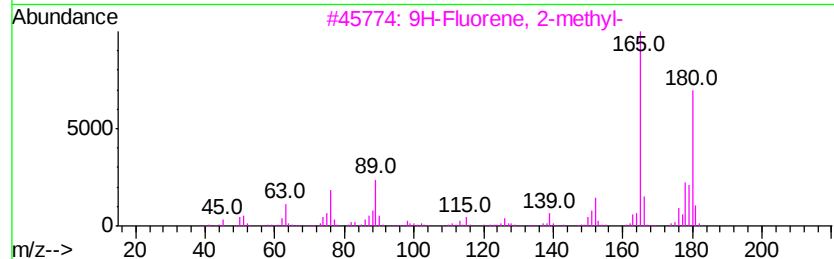
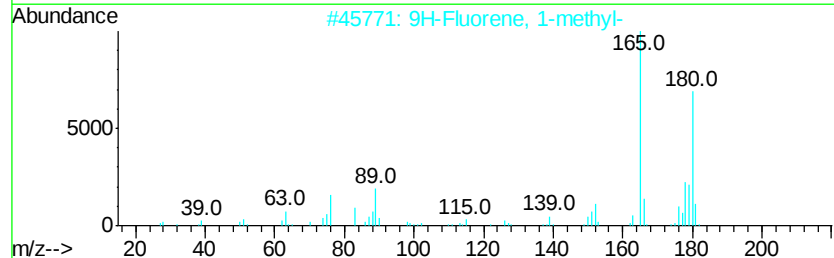
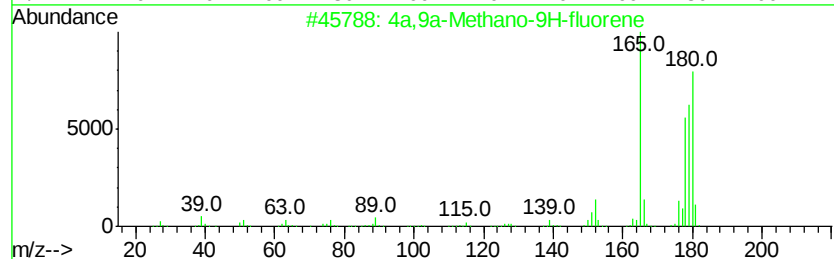
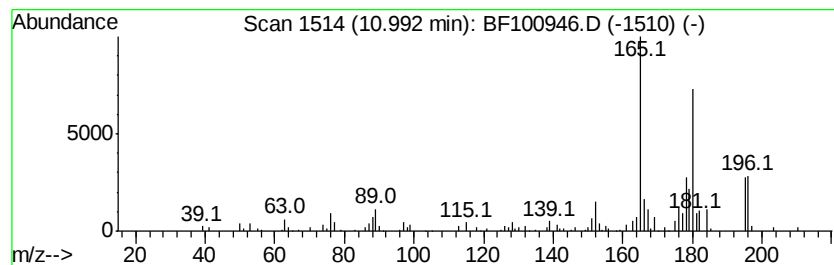
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4a,9a-Methano-9H-fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.99	11.10 ng	173292	Phenanthrene-d10	11.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	58
5		Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
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ClientSampleId :
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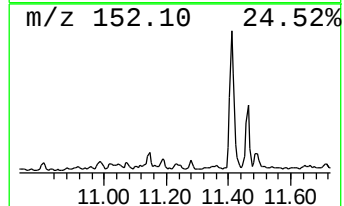
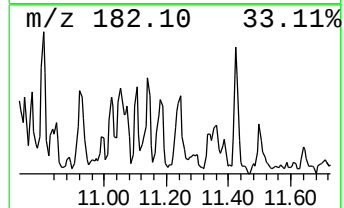
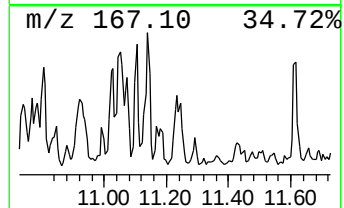
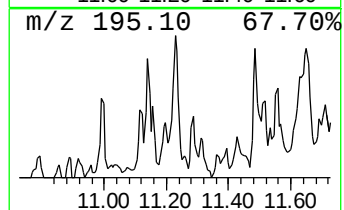
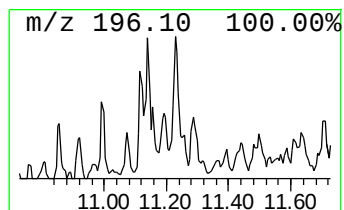
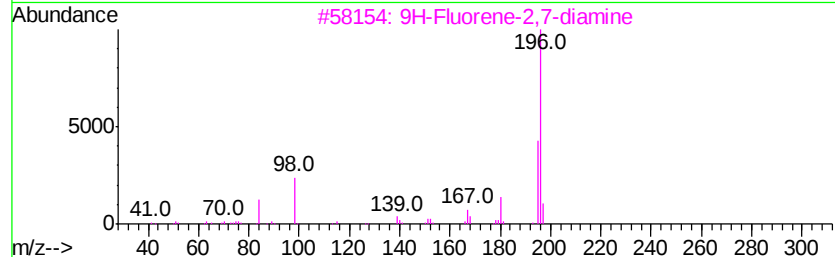
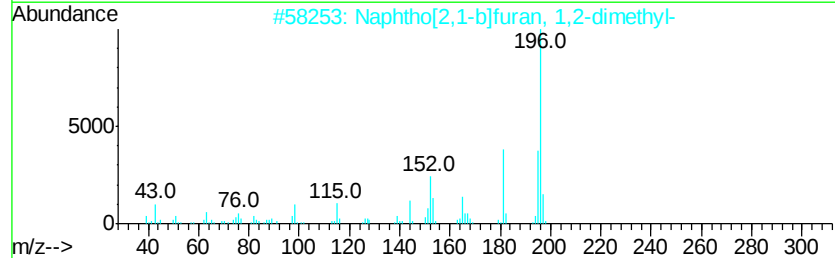
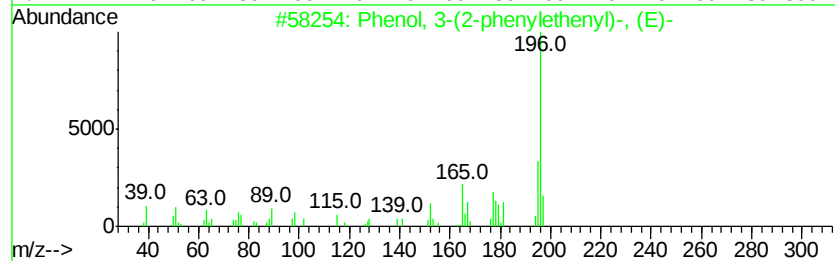
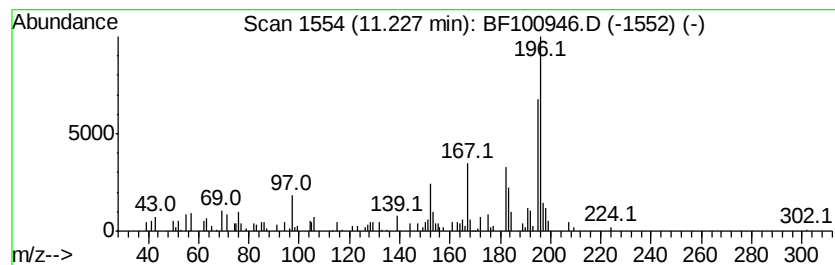
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.23 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	9.01 ng	140765	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	35
2			Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	35
3			9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	27
4			Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	27
5			8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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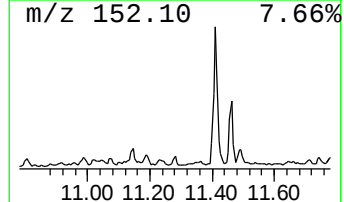
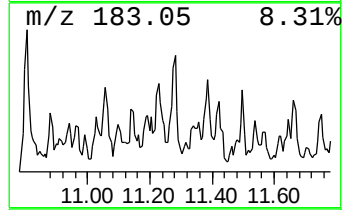
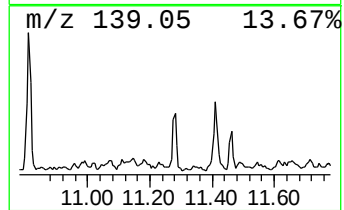
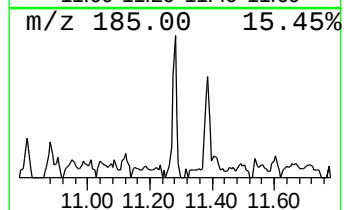
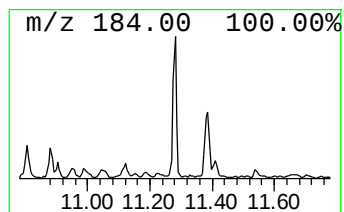
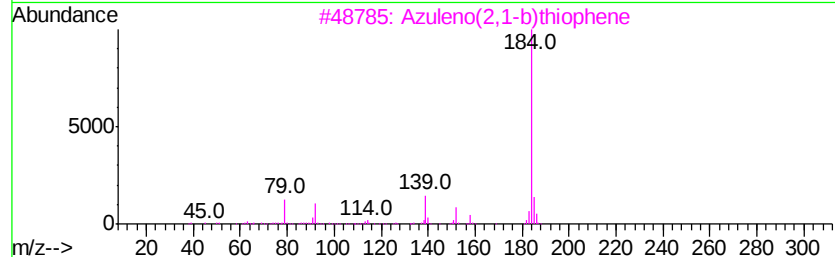
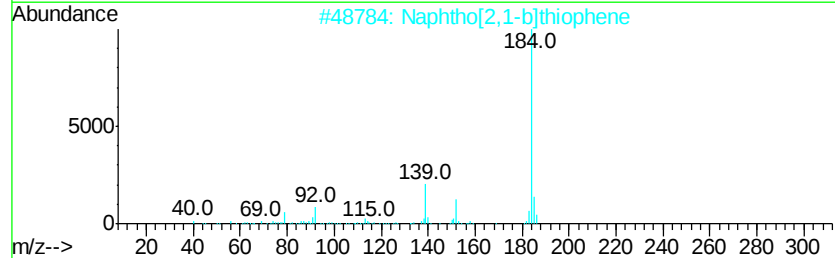
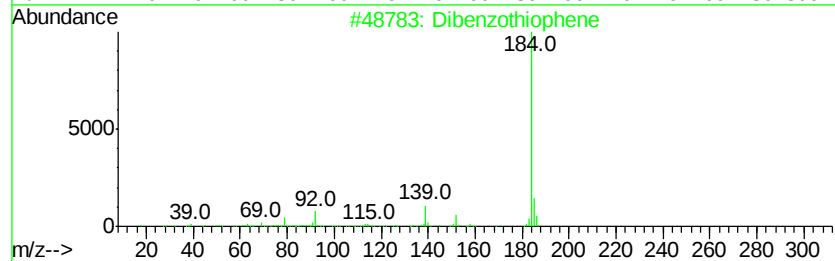
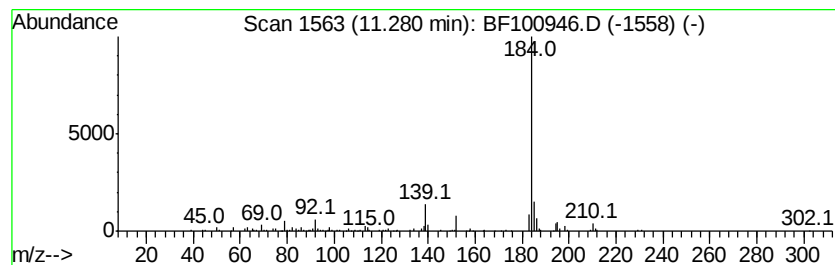
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	13.70 ng	214016	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	87
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	81
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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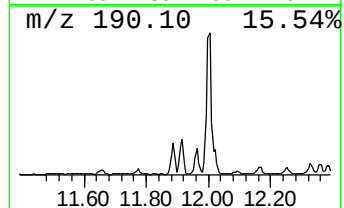
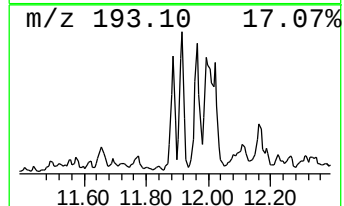
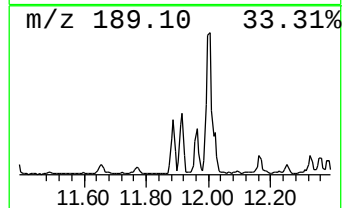
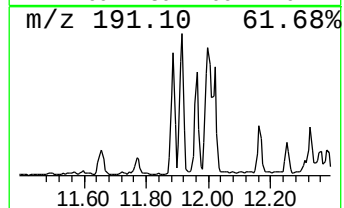
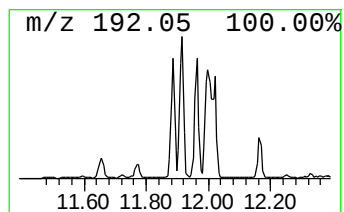
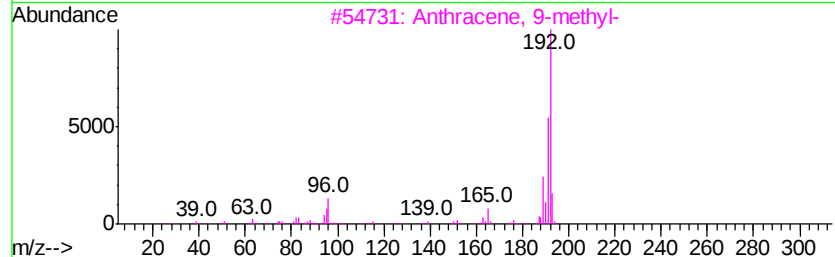
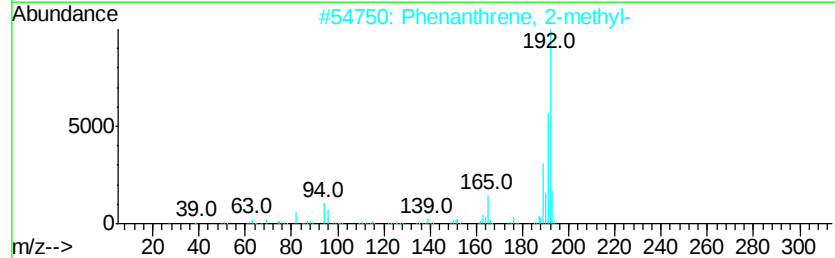
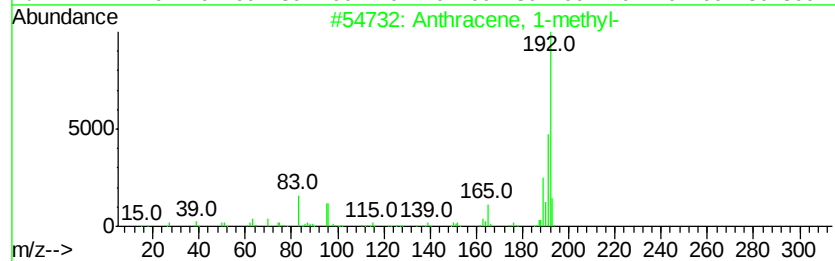
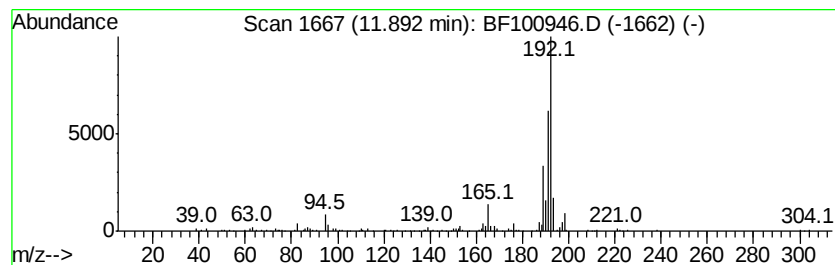
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	19.97 ng	311794	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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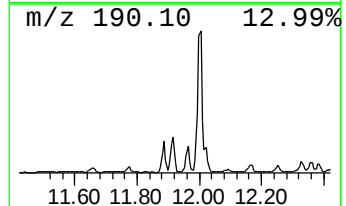
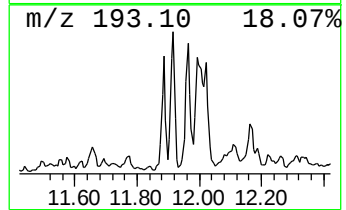
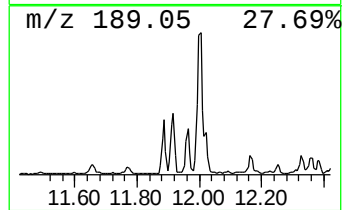
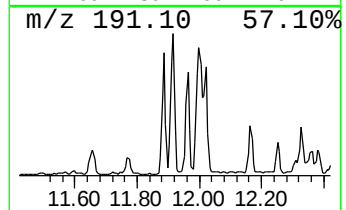
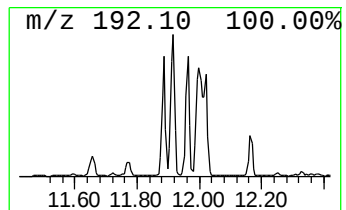
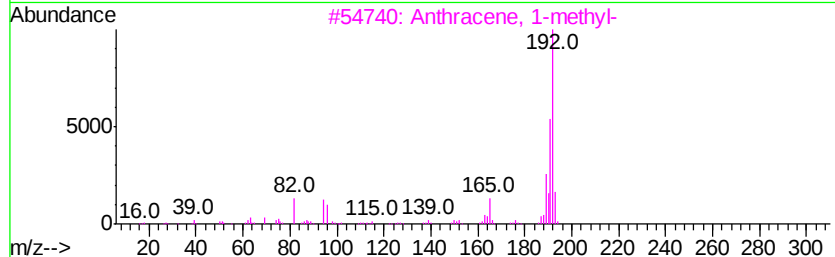
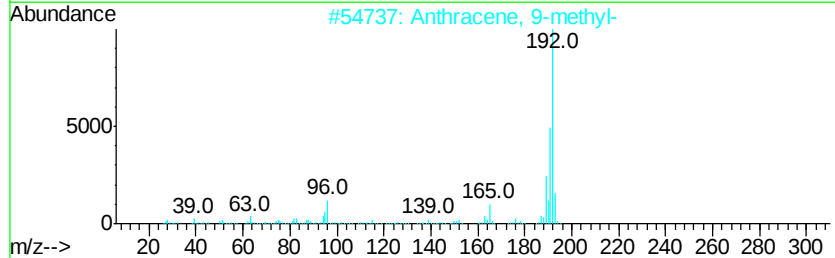
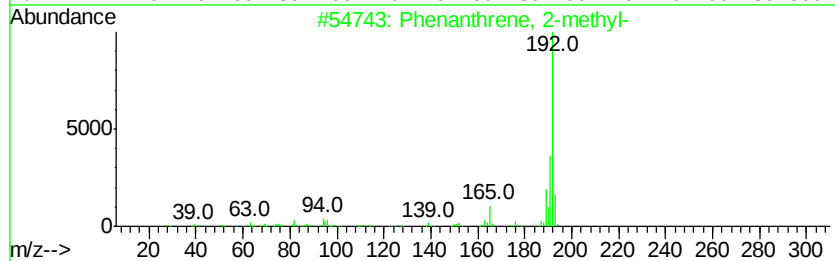
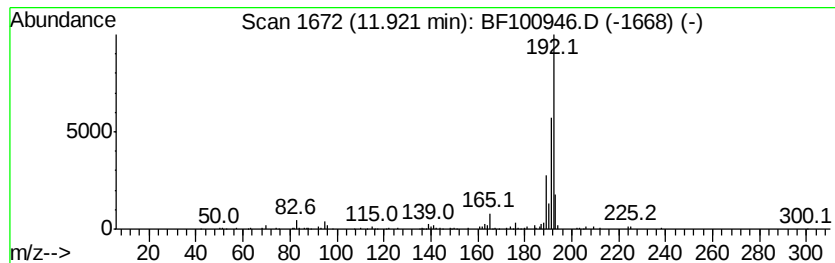
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	25.77 ng	402450	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HAR-2-E(0-1)

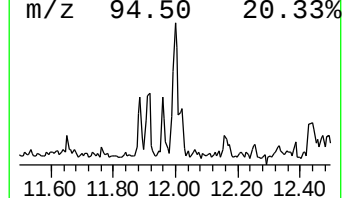
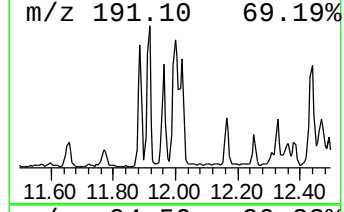
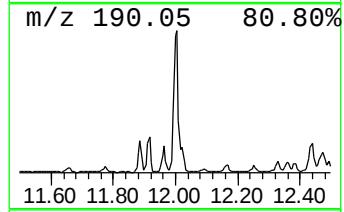
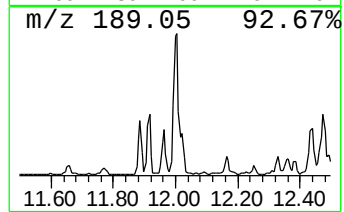
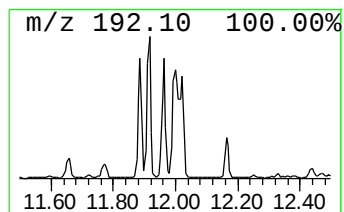
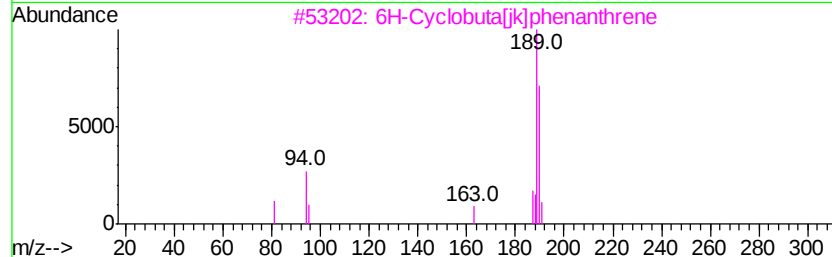
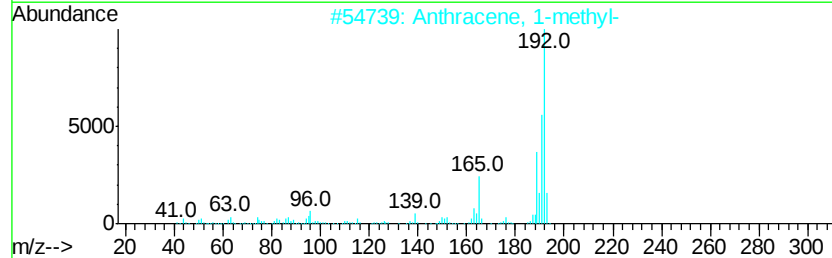
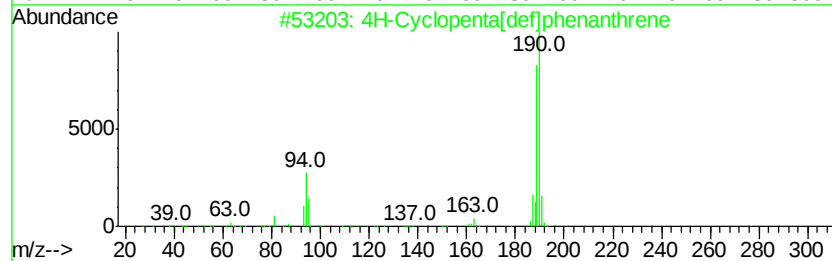
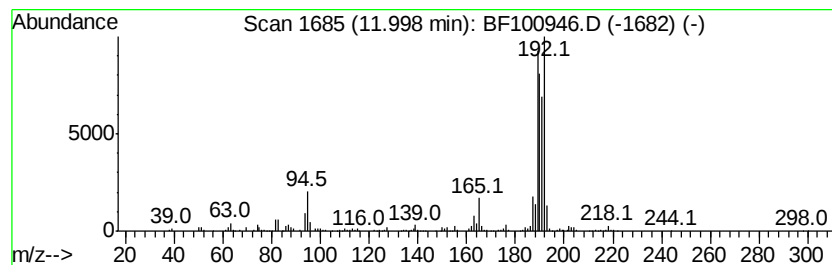
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	46.69 ng	729169	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
3			6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(0-1)

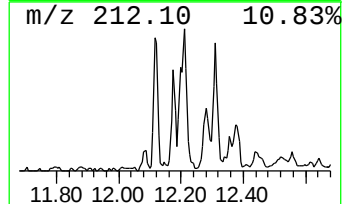
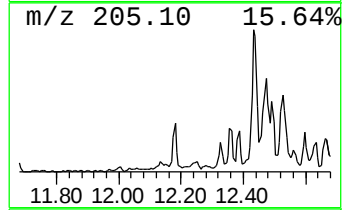
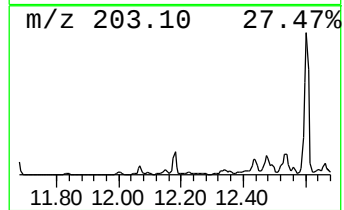
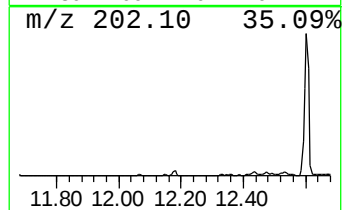
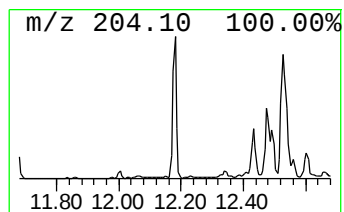
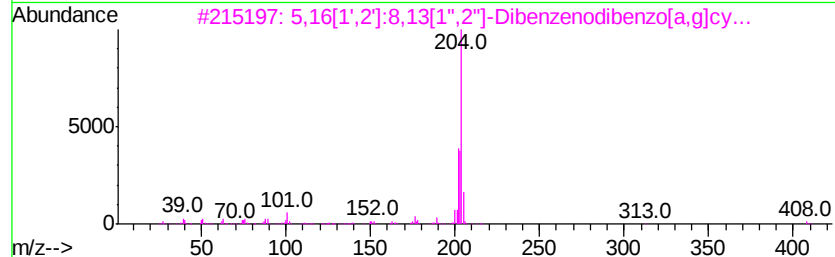
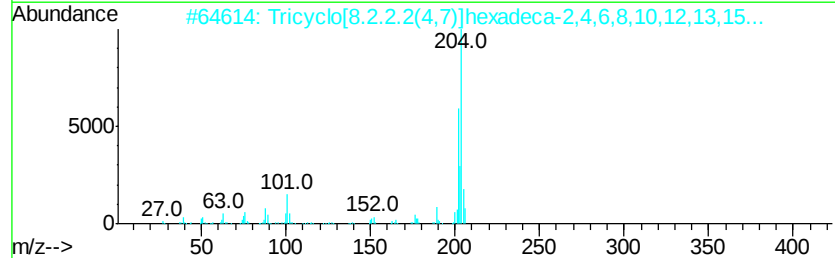
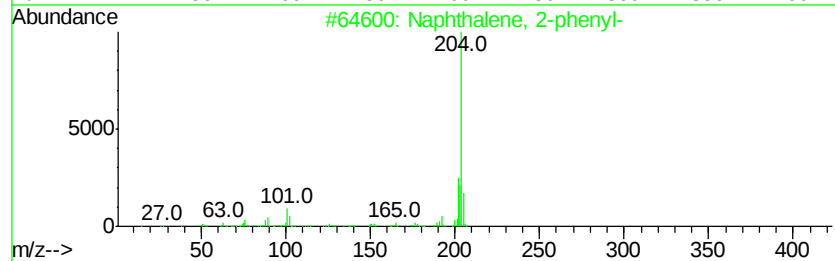
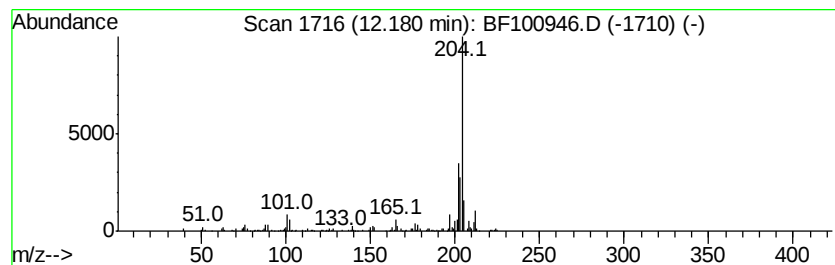
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	18.88 ng	294826	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100946.D
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Operator : SJ/JU
Sample : I6579-09 10X
Misc :
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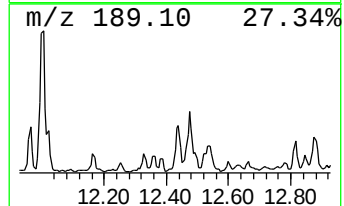
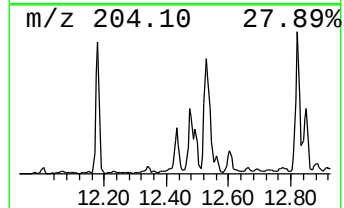
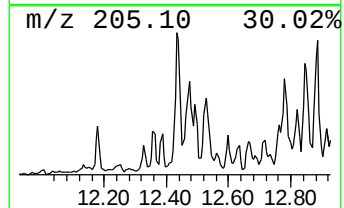
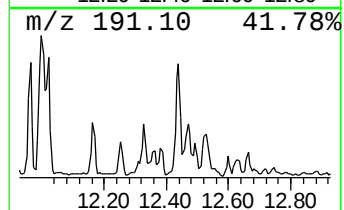
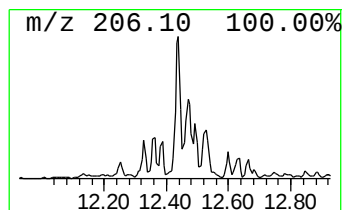
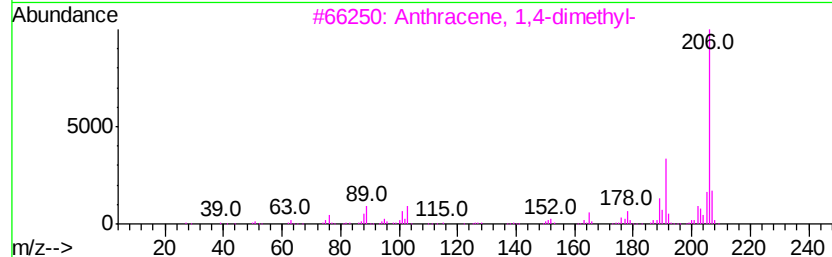
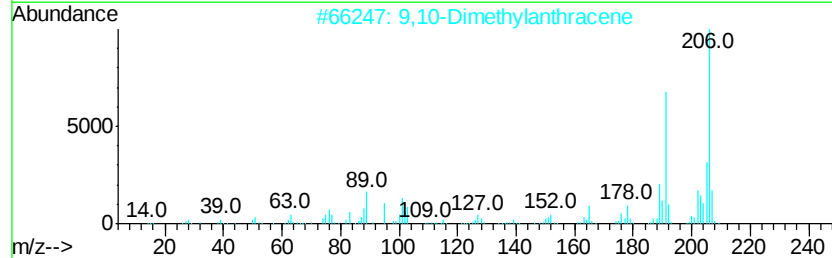
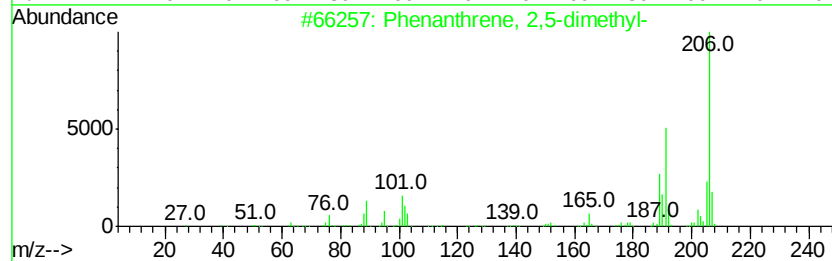
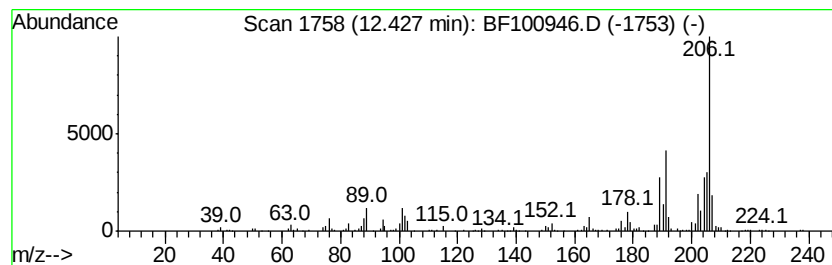
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.43	39.16 ng	611545	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HAR-2-E(0-1)

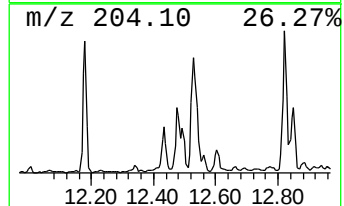
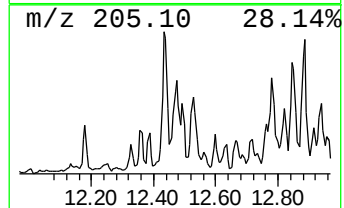
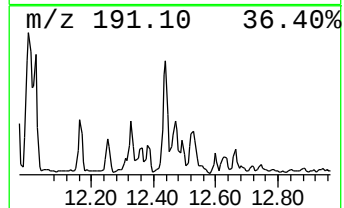
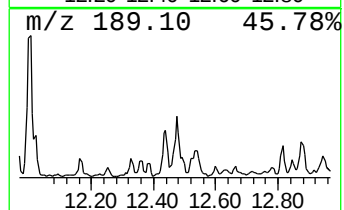
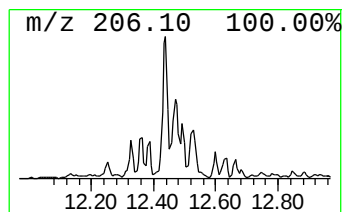
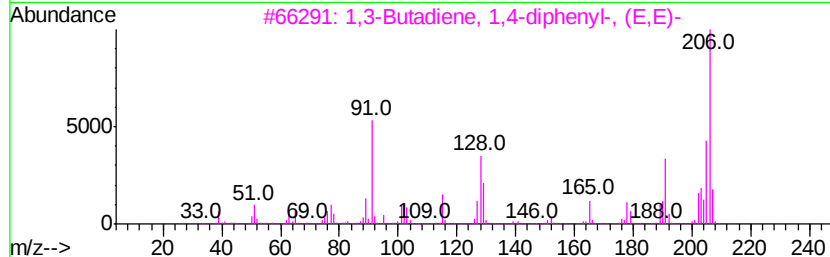
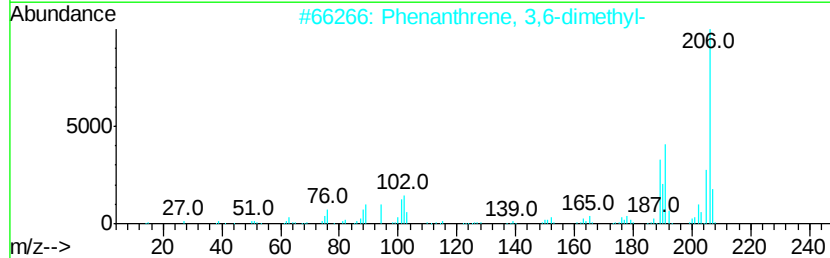
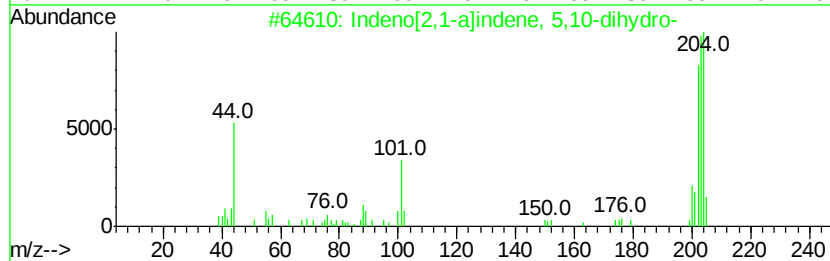
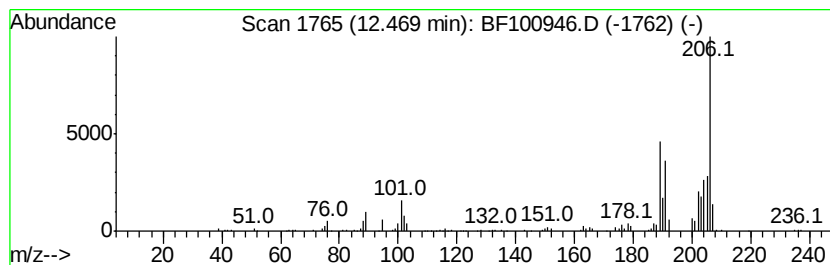
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.47 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	26.86 ng	419481	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
3		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
5		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HAR-2-E(0-1)

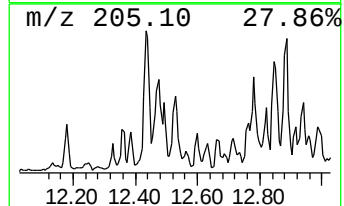
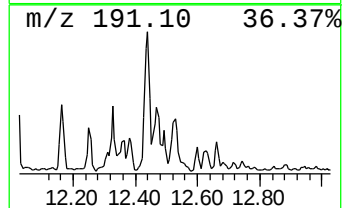
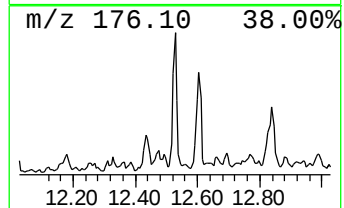
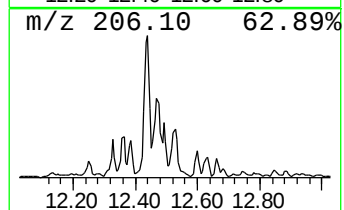
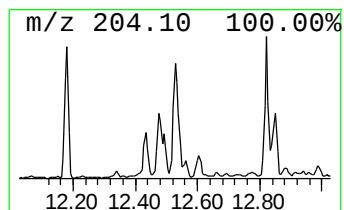
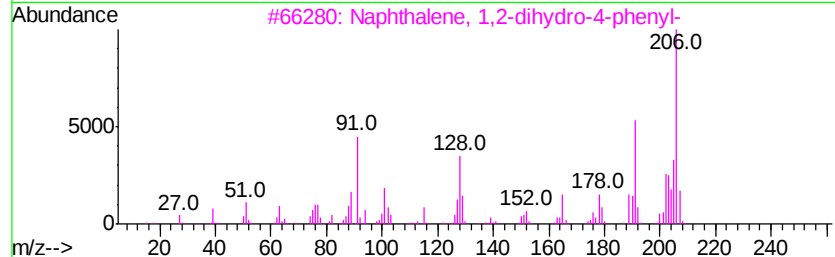
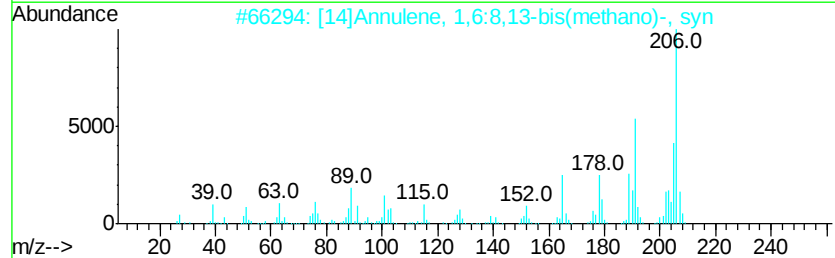
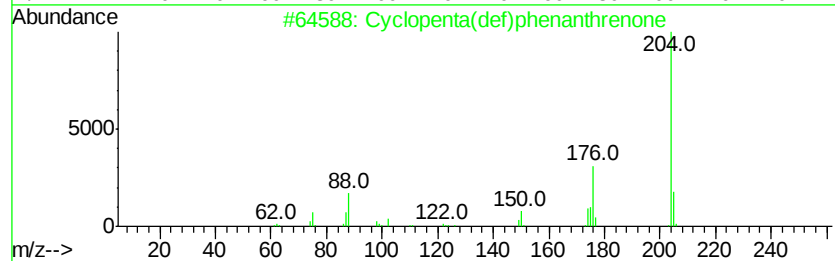
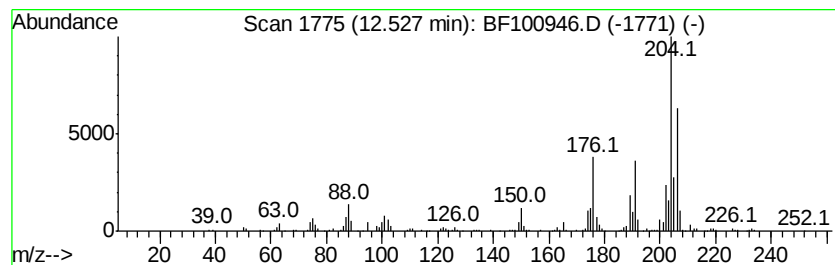
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	25.98 ng	405703	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
3		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	41
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	38
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HAR-2-E(0-1)

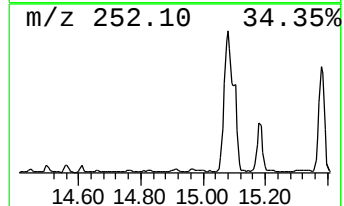
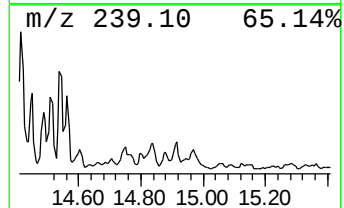
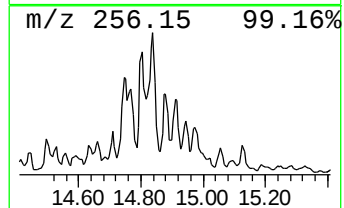
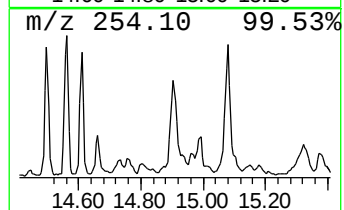
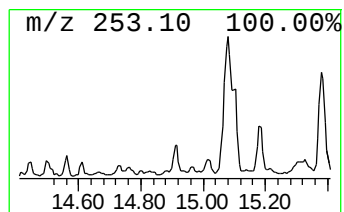
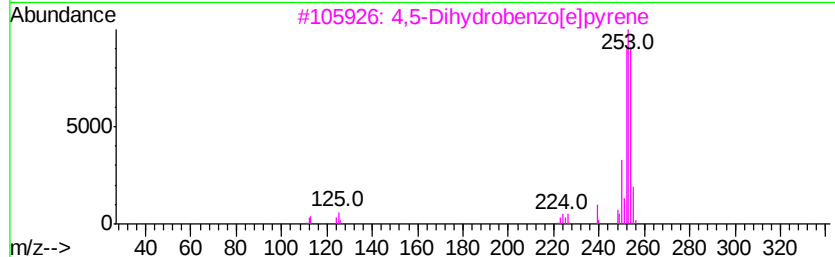
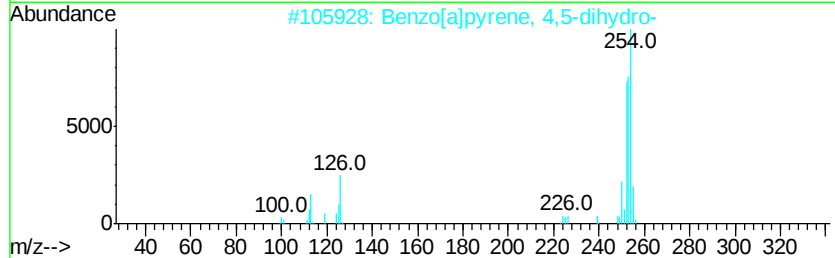
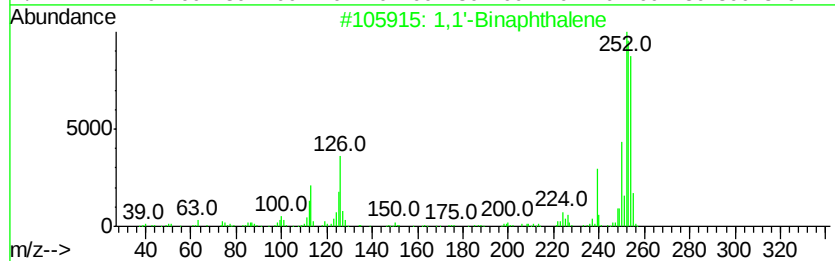
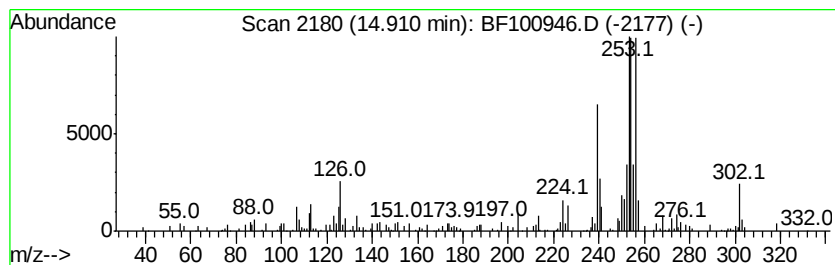
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Binaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	8.04 ng	162143	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	60
3		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	50
4		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	46
5		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100946.D
Acq On : 28 Nov 2017 20:47
Operator : SJ/JU
Sample : I6579-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
HAR-2-E(0-1)

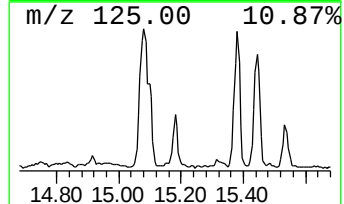
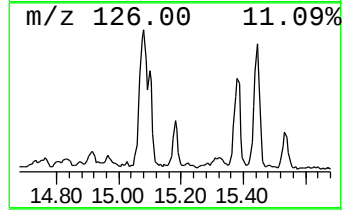
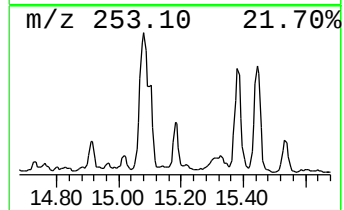
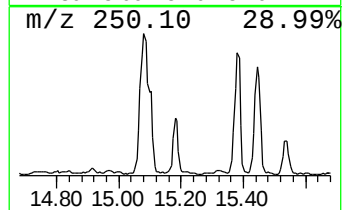
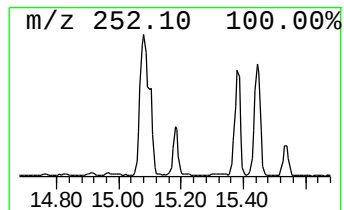
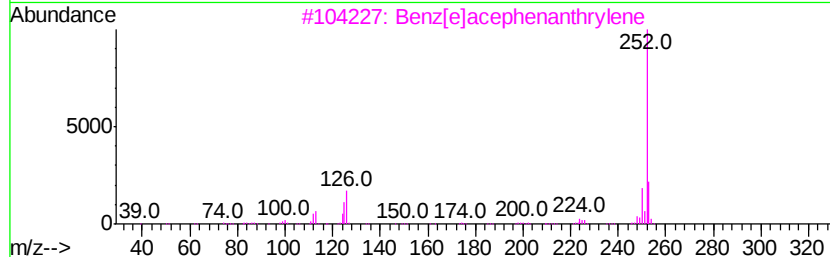
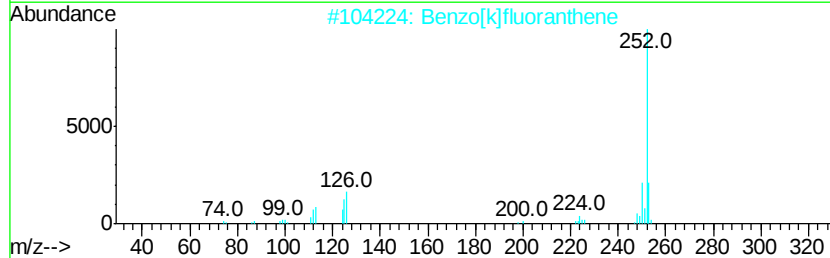
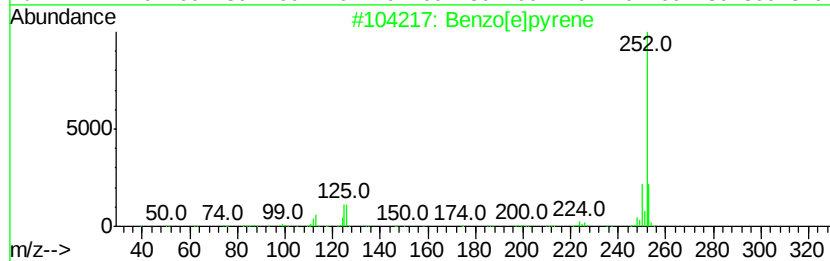
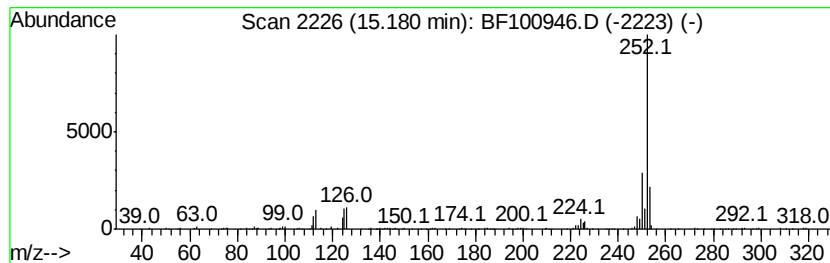
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	11.46 ng	231285	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
 Data File : BF100946.D
 Acq On : 28 Nov 2017 20:47
 Operator : SJ/JU
 Sample : I6579-09 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-2-E(0-1)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
Naphthalene, 2-et...	9.62	18.4	ng	338593	3	9.90	367647	20.0
Naphthalene, 2-(1...	10.20	11.5	ng	212066	3	9.90	367647	20.0
1H-Phenylene	10.35	9.5	ng	173954	3	9.90	367647	20.0
unknown10.80	10.80	17.2	ng	268427	4	11.39	312341	20.0
4a,9a-Methano-9H-...	10.99	11.1	ng	173292	4	11.39	312341	20.0
unknown11.23	11.23	9.0	ng	140765	4	11.39	312341	20.0
Dibenzothiophene	11.28	13.7	ng	214016	4	11.39	312341	20.0
Anthracene, 1-met...	11.89	20.0	ng	311794	4	11.39	312341	20.0
Phenanthrene, 2-m...	11.92	25.8	ng	402450	4	11.39	312341	20.0
4H-Cyclopenta[def...	12.00	46.7	ng	729169	4	11.39	312341	20.0
Naphthalene, 2-ph...	12.18	18.9	ng	294826	4	11.39	312341	20.0
Phenanthrene, 2,5...	12.43	39.2	ng	611545	4	11.39	312341	20.0
unknown12.47	12.47	26.9	ng	419481	4	11.39	312341	20.0
Cyclopenta(def)ph...	12.53	26.0	ng	405703	4	11.39	312341	20.0
1,1'-Binaphthalene	14.91	8.0	ng	162143	6	15.50	403584	20.0
Benzo[e]pyrene	15.18	11.5	ng	231285	6	15.50	403584	20.0