

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100957.D
 Acq On : 29 Nov 2017 2:36
 Operator : SJ/JU
 Sample : I6579-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-2-E(4-5)

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	5.081	505	509	519	rBV	145674	185916	12.84%	0.789%
2	5.481	572	577	580	rBV	1320350	1248254	86.19%	5.300%
3	6.492	743	749	762	rBV	1310526	1292848	89.27%	5.489%
4	6.628	768	772	775	rBV	1457615	1323665	91.40%	5.620%
5	6.857	808	811	815	rBB	473041	365296	25.22%	1.551%
6	7.016	834	838	841	rBV	1253484	1008786	69.66%	4.283%
7	7.422	902	907	910	rBV	841800	774179	53.46%	3.287%
8	8.139	1026	1029	1032	rBV	559436	444356	30.68%	1.887%
9	8.692	1120	1123	1126	rBV	84618	67554	4.66%	0.287%
10	9.216	1207	1212	1215	rBV	1792610	1448190	100.00%	6.149%
11	9.551	1266	1269	1272	rBV	31580	30001	2.07%	0.127%
12	9.604	1276	1278	1285	rVB	83711	74101	5.12%	0.315%
13	9.669	1287	1289	1296	rBV	20626	19078	1.32%	0.081%
14	9.757	1301	1304	1307	rVB2	47914	39391	2.72%	0.167%
15	9.892	1324	1327	1331	rBV	453177	420378	29.03%	1.785%
16	9.927	1331	1333	1336	rVB	100025	73237	5.06%	0.311%
17	10.051	1350	1354	1357	rBV2	26629	26441	1.83%	0.112%
18	10.098	1357	1362	1365	rBV2	57607	56650	3.91%	0.241%
19	10.133	1365	1368	1372	rVB	25821	21171	1.46%	0.090%
20	10.210	1376	1381	1383	rBV2	26533	30982	2.14%	0.132%
21	10.298	1392	1396	1398	rBV3	20701	28103	1.94%	0.119%
22	10.439	1417	1420	1425	rBV	96872	91503	6.32%	0.389%
23	10.527	1433	1435	1437	rVB3	35085	27165	1.88%	0.115%
24	10.604	1445	1448	1452	rVB	323586	291702	20.14%	1.239%
25	10.686	1458	1462	1465	rBV	744951	689533	47.61%	2.928%
26	10.804	1480	1482	1485	rVB3	27052	24474	1.69%	0.104%
27	10.986	1507	1513	1516	rBV2	41380	56280	3.89%	0.239%
28	11.016	1516	1518	1521	rVV2	36950	39431	2.72%	0.167%
29	11.074	1525	1528	1530	rVB	33560	32180	2.22%	0.137%
30	11.116	1530	1535	1537	rBV4	24663	42876	2.96%	0.182%
31	11.139	1537	1539	1543	rVB2	36976	31761	2.19%	0.135%
32	11.233	1550	1555	1559	rBV4	37654	56503	3.90%	0.240%
33	11.280	1559	1563	1568	rVB	50506	55656	3.84%	0.236%
34	11.380	1577	1580	1582	rBV	407957	377556	26.07%	1.603%

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

35	11.410	1582	1585	1588	rVV	841592	724911	50.06%	3.078%
36	11.457	1590	1593	1596	rVV	299373	233982	16.16%	0.993%
37	11.492	1596	1599	1601	rVB2	20217	22982	1.59%	0.098%
38	11.616	1617	1620	1621	rBV2	31986	33211	2.29%	0.141%
39	11.674	1628	1630	1632	rVB	23879	19653	1.36%	0.083%
40	11.710	1634	1636	1642	rVB2	32526	30798	2.13%	0.131%
41	11.792	1648	1650	1654	rBV	23892	27444	1.90%	0.117%
42	11.880	1660	1665	1667	rBV	158684	161793	11.17%	0.687%
43	11.910	1667	1670	1674	rVV	245094	246805	17.04%	1.048%
44	11.957	1675	1678	1681	rVV	121321	110489	7.63%	0.469%
45	11.998	1681	1685	1687	rVV	286192	318225	21.97%	1.351%
46	12.015	1687	1688	1692	rVB	131144	97597	6.74%	0.414%
47	12.074	1692	1698	1702	rBV8	26608	46628	3.22%	0.198%
48	12.151	1708	1711	1713	rVV3	35014	38932	2.69%	0.165%
49	12.180	1713	1716	1718	rVV	113783	103356	7.14%	0.439%
50	12.204	1718	1720	1726	rVV5	45218	54400	3.76%	0.231%
51	12.251	1726	1728	1733	rVB	25430	23352	1.61%	0.099%
52	12.327	1736	1741	1744	rVV2	62958	76629	5.29%	0.325%
53	12.363	1744	1747	1748	rVV	52409	47657	3.29%	0.202%
54	12.386	1748	1751	1753	rVB2	44042	41973	2.90%	0.178%
55	12.433	1753	1759	1762	rBV	154488	189353	13.08%	0.804%
56	12.474	1762	1766	1771	rVV3	95479	182063	12.57%	0.773%
57	12.521	1771	1774	1779	rVV3	78448	119457	8.25%	0.507%
58	12.604	1783	1788	1791	rVV	1178795	1076853	74.36%	4.572%
59	12.639	1791	1794	1796	rVV	39809	47186	3.26%	0.200%
60	12.657	1796	1797	1800	rVV2	42344	39484	2.73%	0.168%
61	12.692	1800	1803	1805	rVV3	30255	33966	2.35%	0.144%
62	12.721	1805	1808	1809	rVV3	23457	26585	1.84%	0.113%
63	12.751	1810	1813	1815	rVV	60809	64120	4.43%	0.272%
64	12.774	1815	1817	1820	rVB3	46107	41736	2.88%	0.177%
65	12.833	1820	1827	1832	rBV	1132541	1361710	94.03%	5.782%
66	12.880	1832	1835	1839	rVB2	67527	84368	5.83%	0.358%
67	12.968	1846	1850	1853	rBV	1263286	1062509	73.37%	4.511%
68	13.039	1858	1862	1867	rBV3	100769	175272	12.10%	0.744%
69	13.098	1870	1872	1874	rBV2	32000	28483	1.97%	0.121%
70	13.127	1874	1877	1878	rBV3	85088	78111	5.39%	0.332%
71	13.151	1879	1881	1884	rVB	202069	196710	13.58%	0.835%

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72	13.186	1884	1887	1889	rBV3	30617	24414	1.69%	0.104%
73	13.221	1890	1893	1895	rBV	192495	153237	10.58%	0.651%
74	13.257	1895	1899	1902	rBV2	157482	157005	10.84%	0.667%
75	13.315	1906	1909	1912	rVB2	29143	24516	1.69%	0.104%
76	13.351	1912	1915	1918	rBV	117560	97612	6.74%	0.414%
77	13.380	1918	1920	1923	rVB	107734	90529	6.25%	0.384%
78	13.527	1943	1945	1947	rBV3	29095	29902	2.06%	0.127%
79	13.633	1960	1963	1966	rBV3	50410	75571	5.22%	0.321%
80	13.662	1966	1968	1972	rVB2	61094	75708	5.23%	0.321%
81	13.774	1982	1987	1989	rBV2	95948	122868	8.48%	0.522%
82	13.798	1989	1991	1994	rVV	101573	102254	7.06%	0.434%
83	13.827	1994	1996	1999	rVV2	72807	100651	6.95%	0.427%
84	13.857	1999	2001	2008	rVB2	97066	155238	10.72%	0.659%
85	14.021	2022	2029	2032	rBV2	707436	1119318	77.29%	4.752%
86	14.051	2032	2034	2041	rVB	558522	517911	35.76%	2.199%
87	14.133	2045	2048	2050	rBV	127820	95765	6.61%	0.407%
88	14.251	2064	2068	2071	rBV2	43383	67782	4.68%	0.288%
89	14.374	2086	2089	2091	rBV2	52553	58506	4.04%	0.248%
90	14.409	2091	2095	2098	rVV	143377	179025	12.36%	0.760%
91	14.445	2099	2101	2104	rVV	85022	78032	5.39%	0.331%
92	14.504	2105	2111	2114	rVV3	71697	154837	10.69%	0.657%
93	14.533	2114	2116	2118	rVV2	84805	86791	5.99%	0.368%
94	14.557	2118	2120	2123	rVB	87560	77085	5.32%	0.327%
95	15.068	2203	2207	2210	rBV	317597	477998	33.01%	2.029%
96	15.374	2256	2259	2265	rVB	197325	244019	16.85%	1.036%
97	15.439	2266	2270	2276	rBV	306070	375343	25.92%	1.594%
98	15.504	2277	2281	2284	rBV	250170	305950	21.13%	1.299%
99	16.980	2528	2532	2540	rVB2	111856	235366	16.25%	0.999%
100	17.439	2604	2610	2620	rVB2	92314	205406	14.18%	0.872%

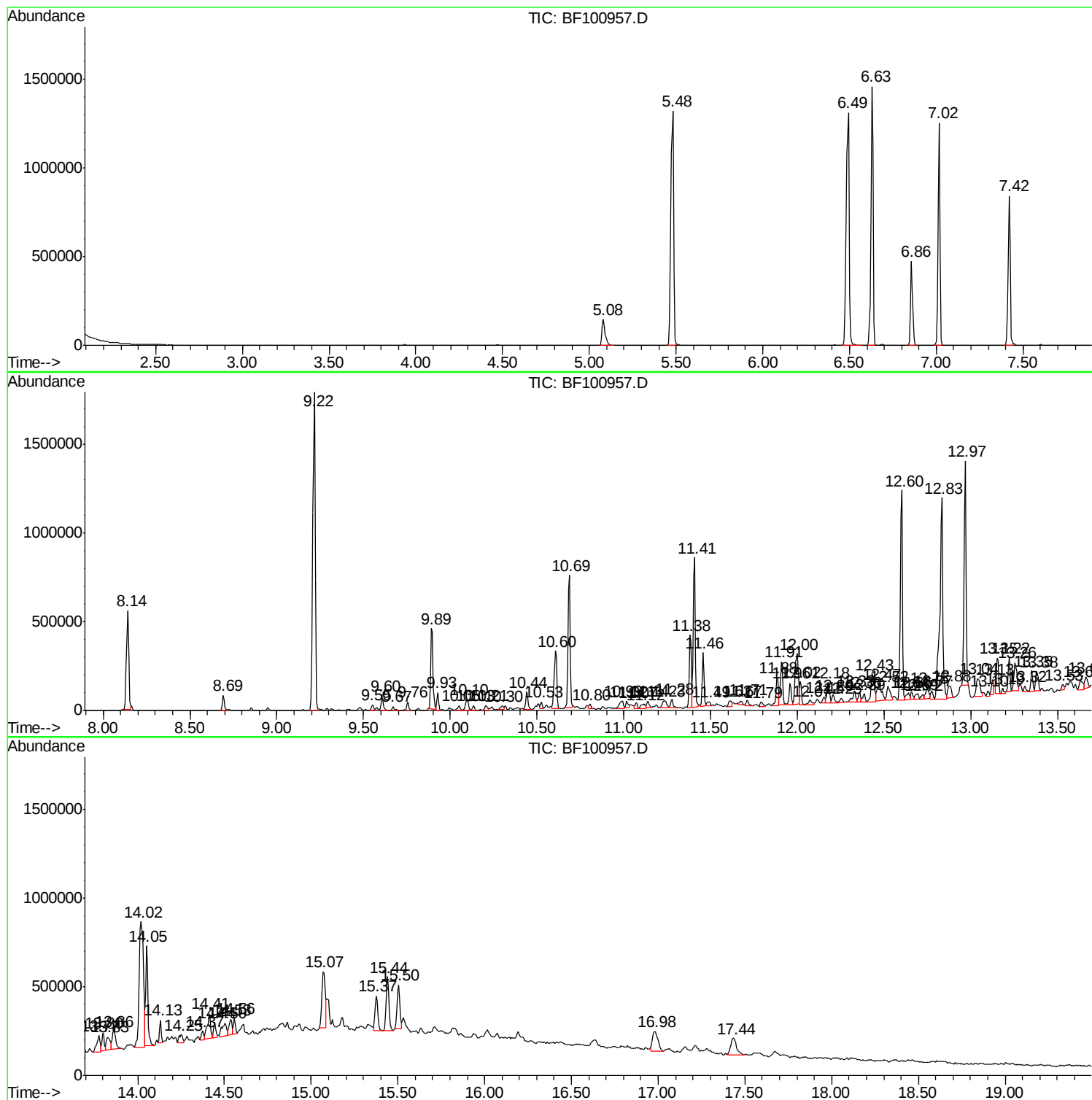
Sum of corrected areas: 23552619

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ALS Vial : 34 Sample Multiplier: 1

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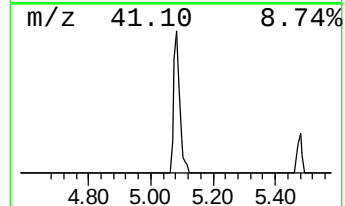
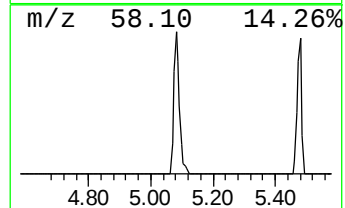
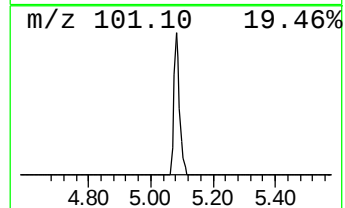
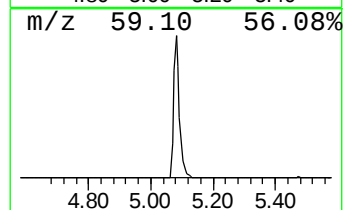
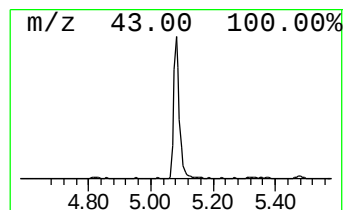
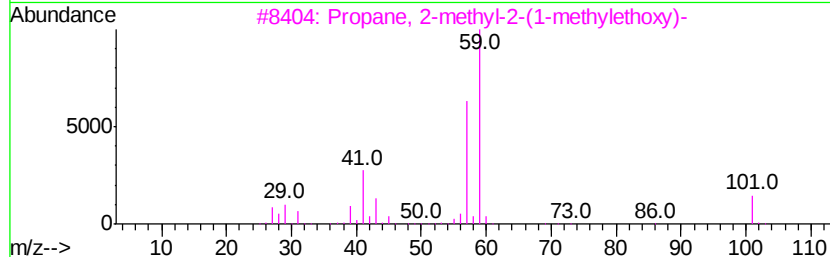
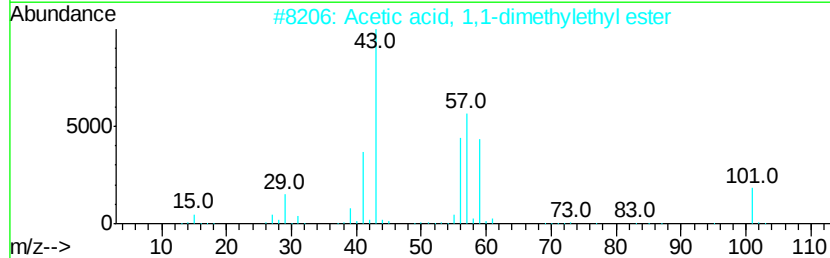
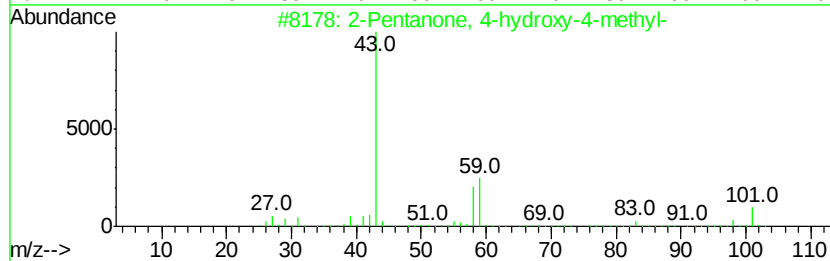
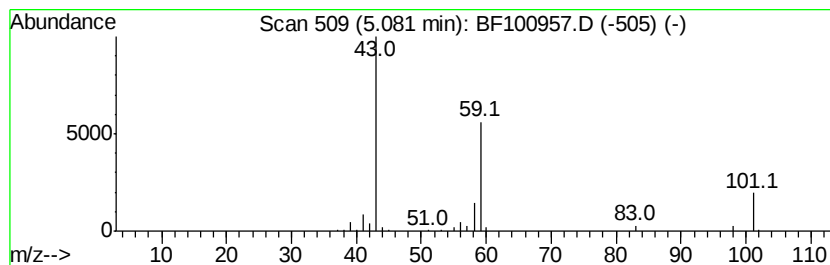
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	10.18 ng	185916	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



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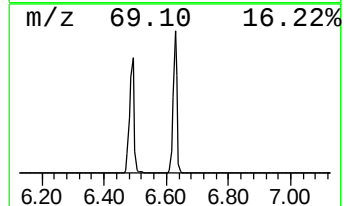
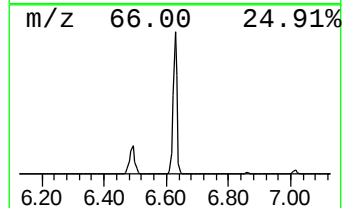
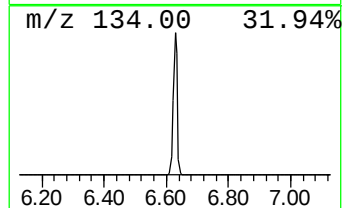
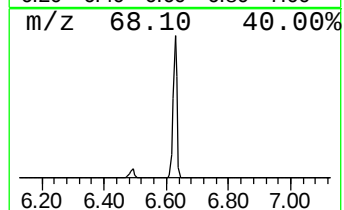
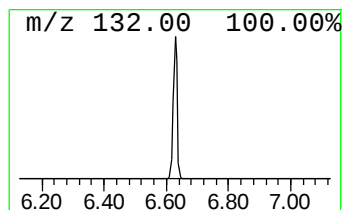
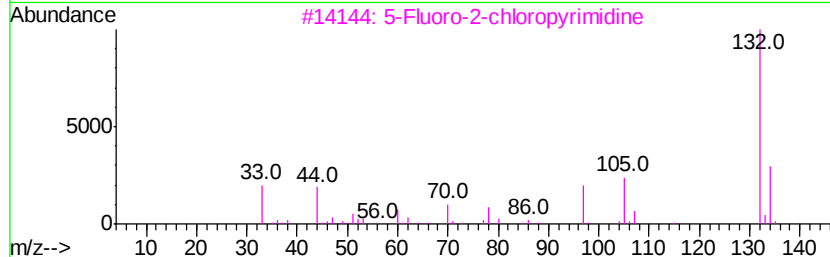
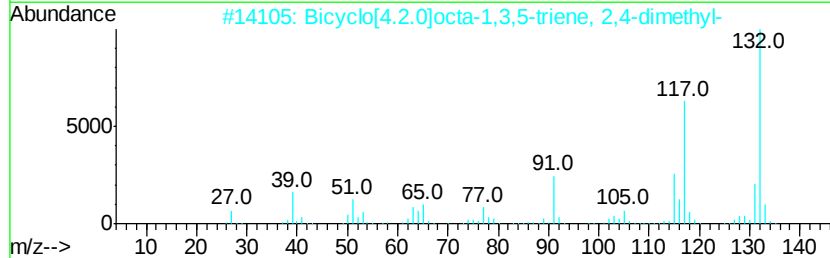
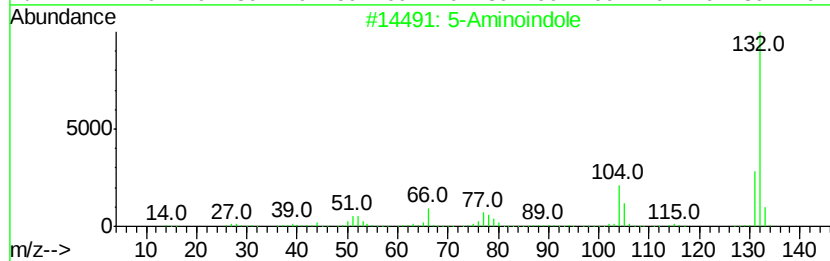
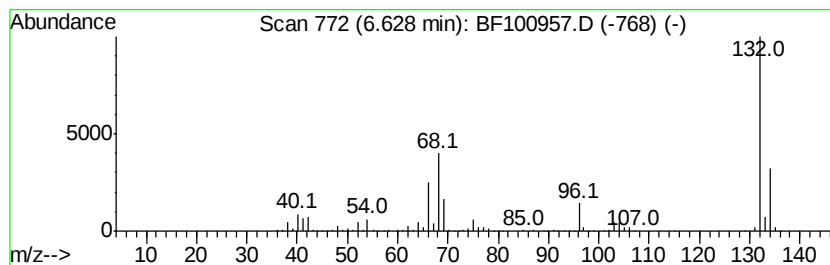
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	72.47 ng	1323670	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Aminoindole	132	C8H8N2	005192-03-0	12
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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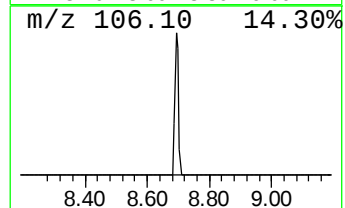
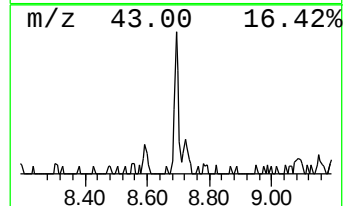
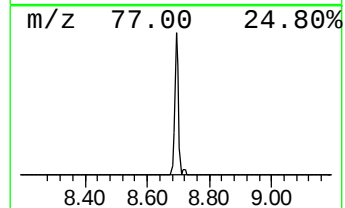
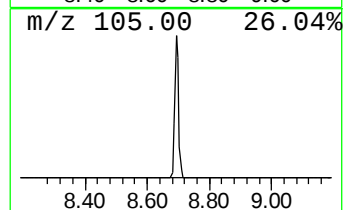
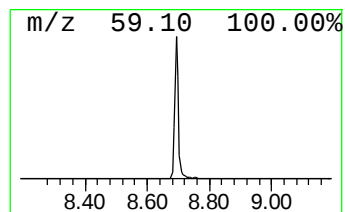
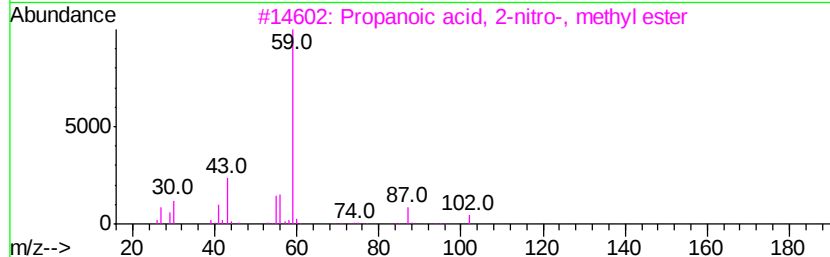
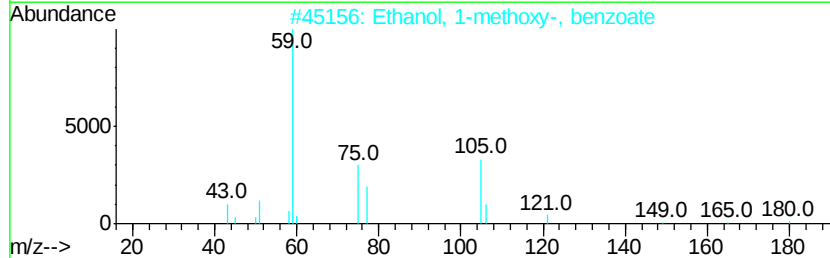
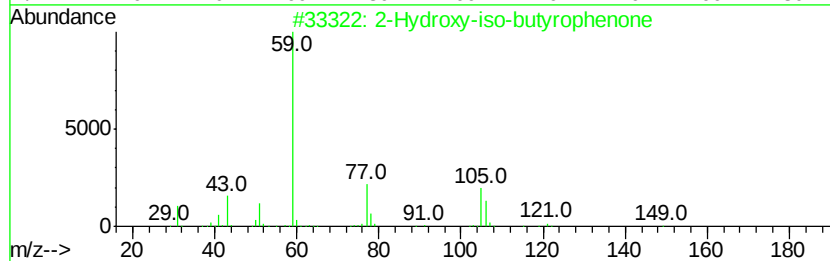
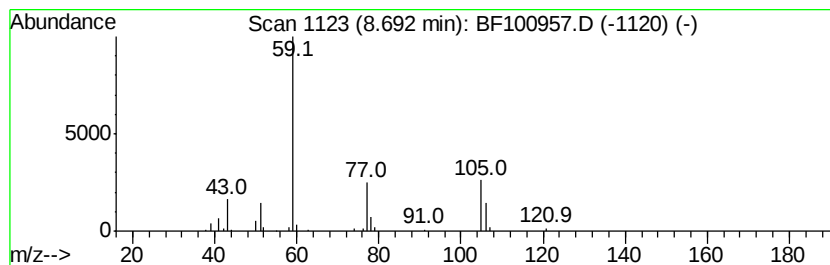
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	3.04 ng	67554	Napthalene-d8	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	90
2		Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	9
3		Propanoic acid, 2-nitro-, methyl ester	133	C4H7NO4	006118-50-9	9
4		Guanidine	59	CH5N3	000113-00-8	7
5		Formamide, N-methyl-	59	C2H5NO	000123-39-7	5



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100957.D
Acq On : 29 Nov 2017 2:36
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

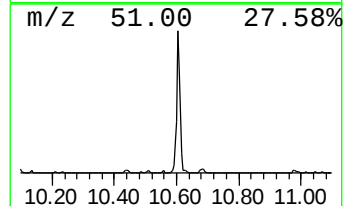
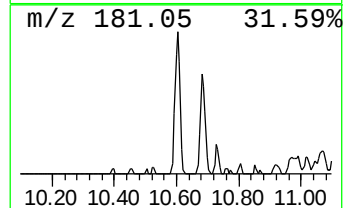
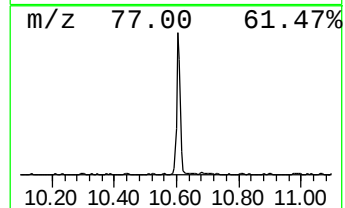
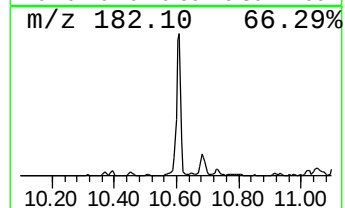
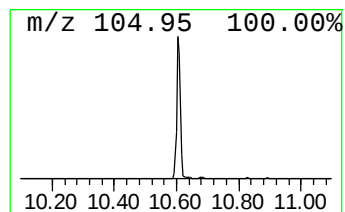
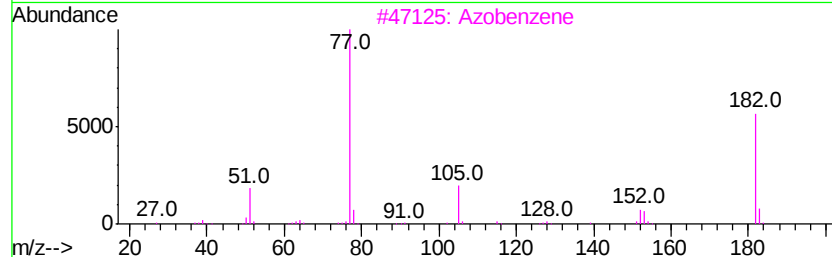
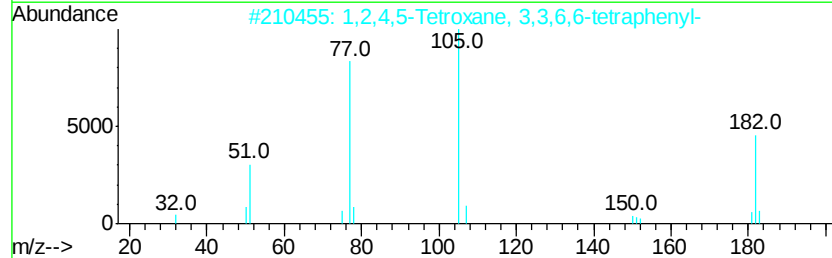
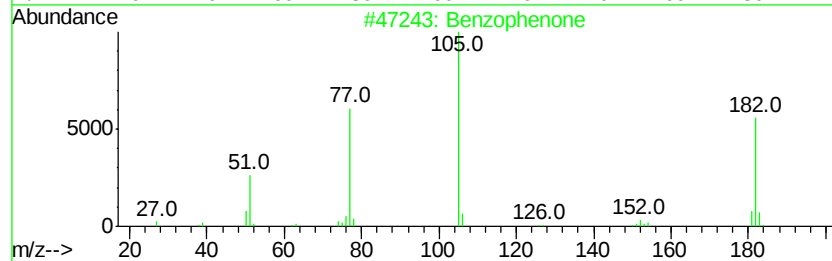
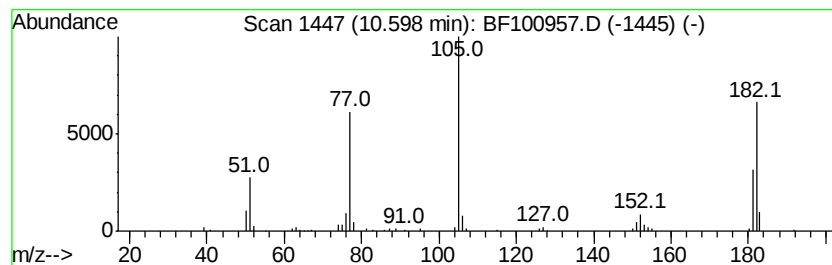
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	13.88 ng	291702	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzophenone	182	C13H10O	000119-61-9	96
2		1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3		Azobenzene	182	C12H10N2	000103-33-3	59
4		Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5		Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47



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Data File : BF100957.D
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ClientSampleId :
HAR-2-E(4-5)

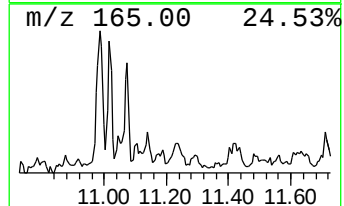
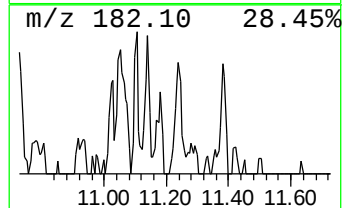
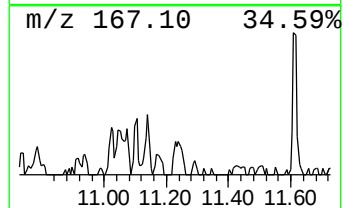
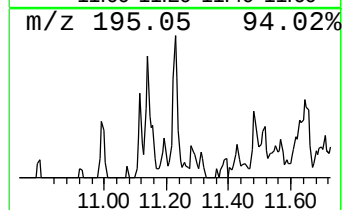
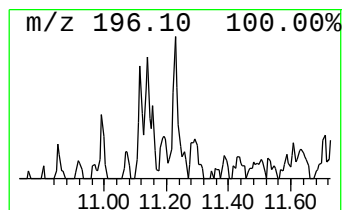
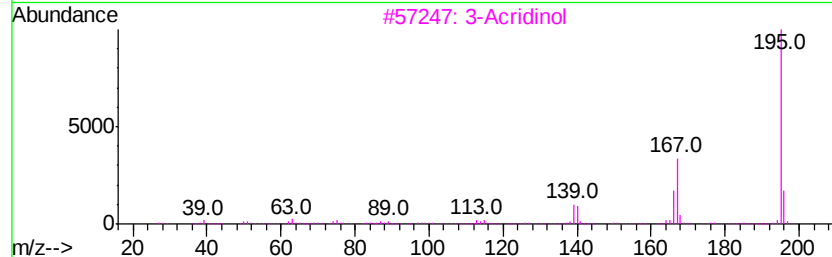
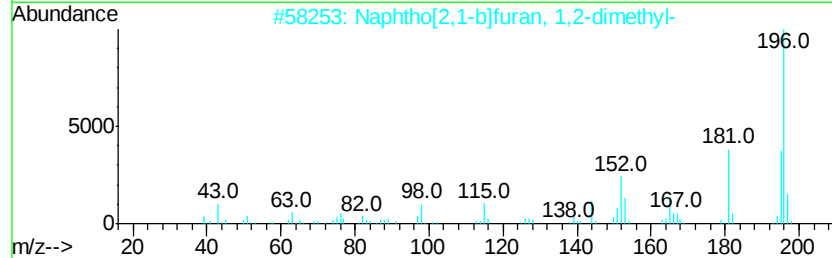
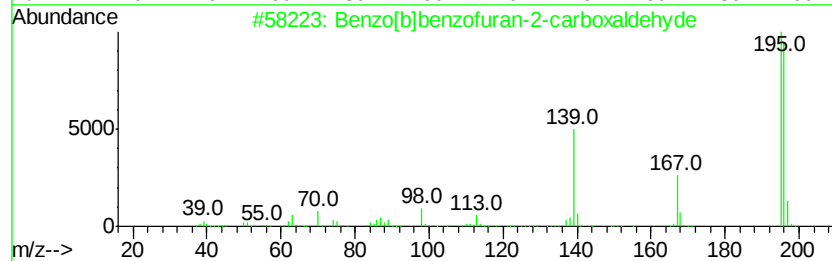
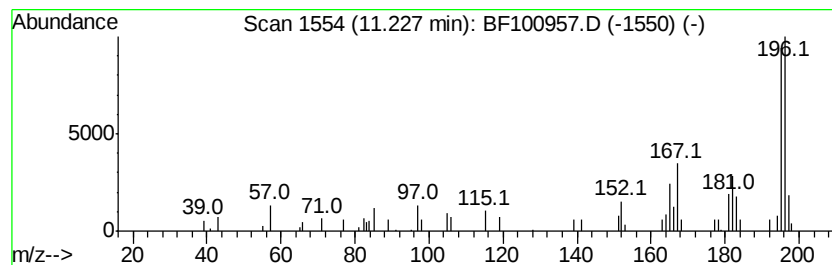
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.23 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.99 ng	56503	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	38
2		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	27
3		3-Acridinol	195	C13H9NO	007132-70-9	25
4		1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	25
5		1H-Indole-2,3-dione, 5-chloro-1-...	195	C9H6ClNO2	060434-13-1	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
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ClientSampleId :
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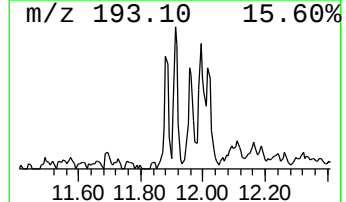
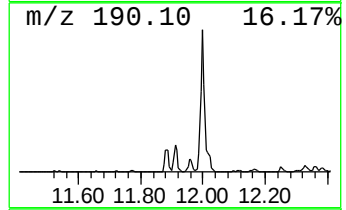
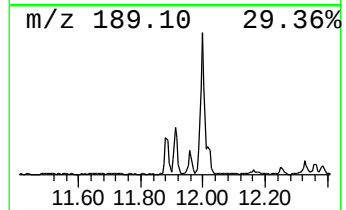
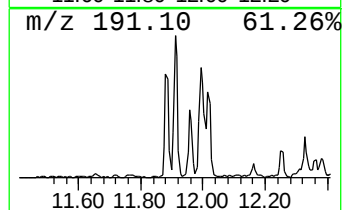
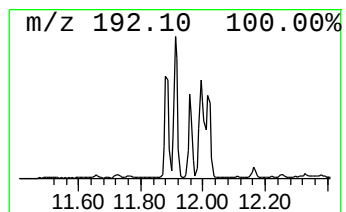
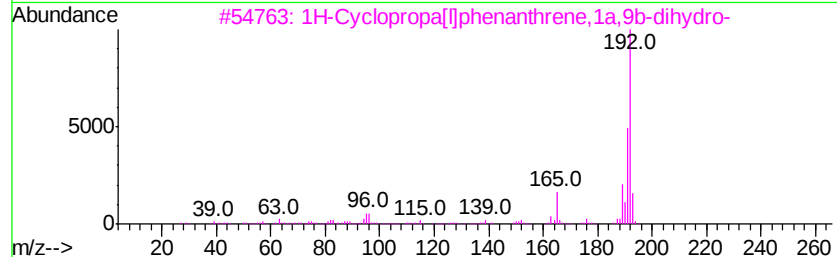
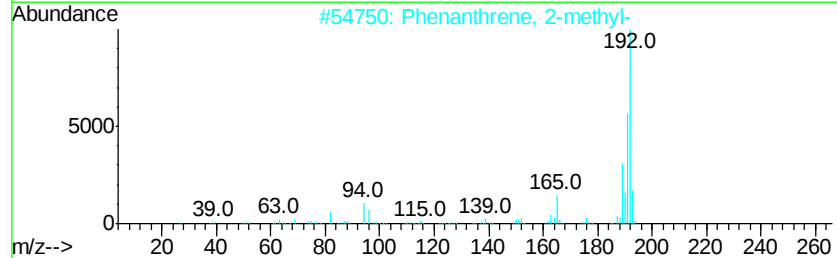
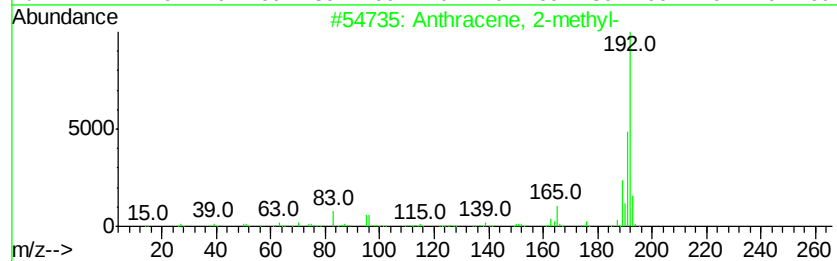
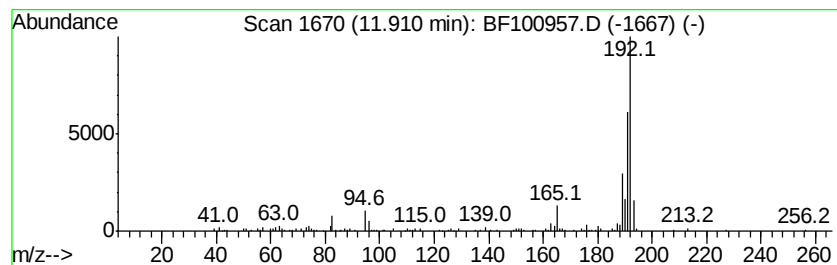
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	13.07 ng	246805	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100957.D
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ALS Vial : 34 Sample Multiplier: 1

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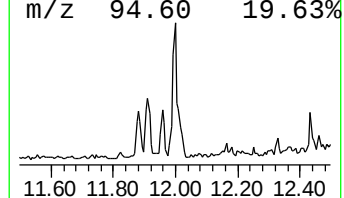
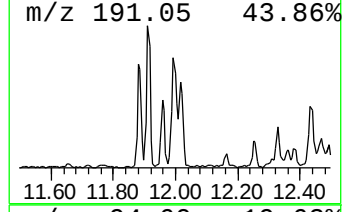
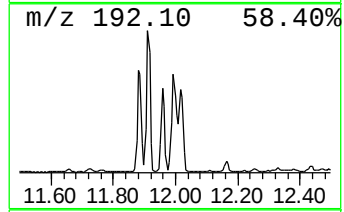
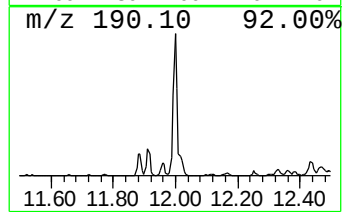
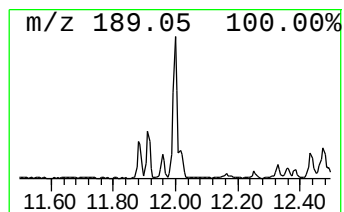
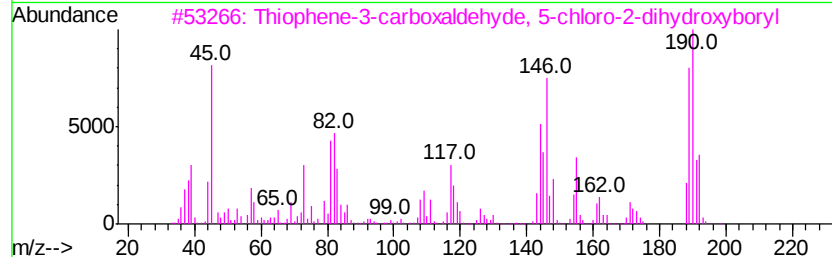
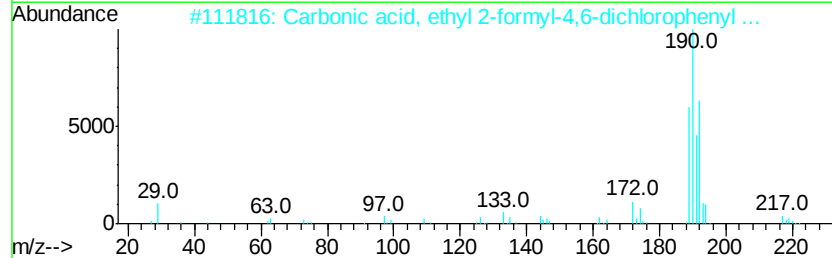
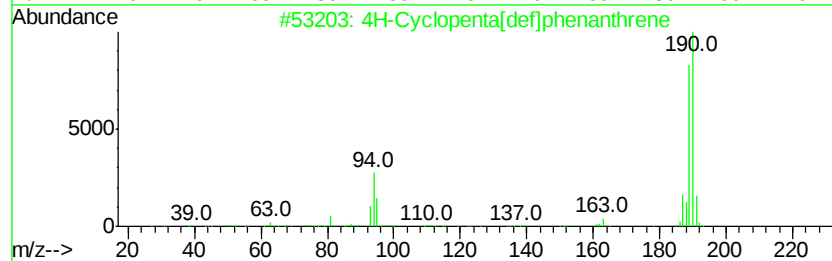
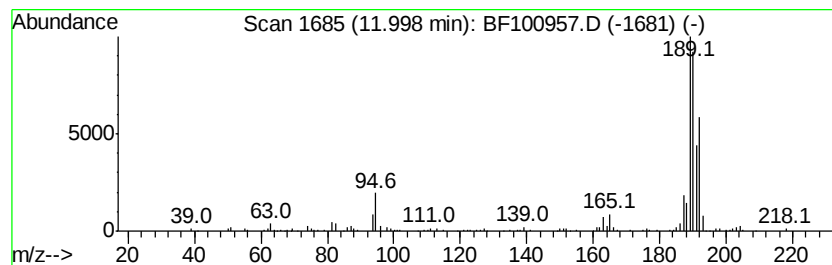
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	16.86 ng	318225	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
5		2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
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Misc :
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HAR-2-E(4-5)

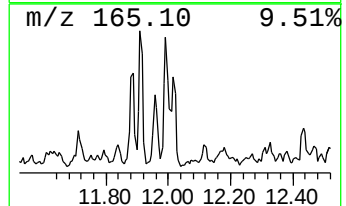
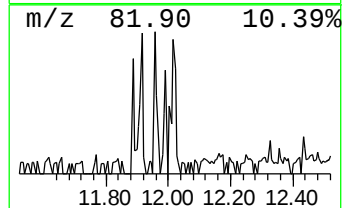
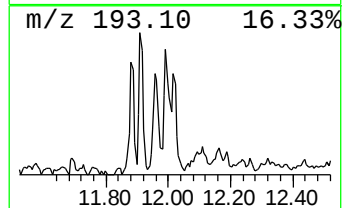
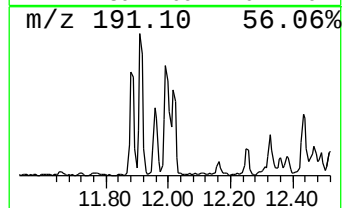
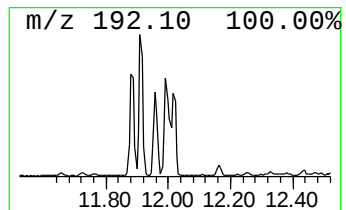
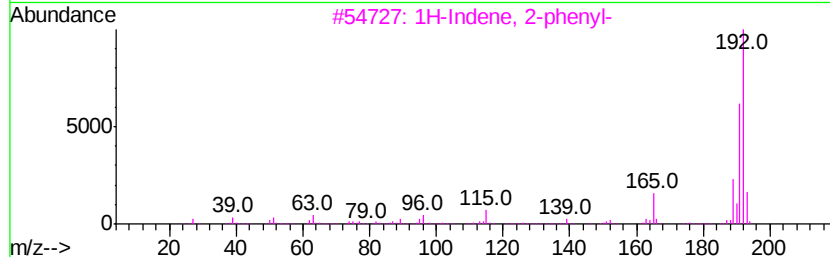
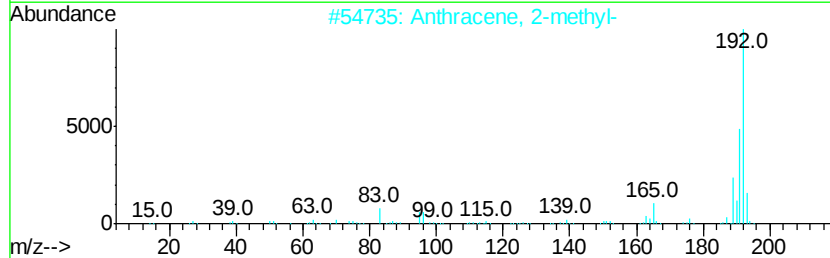
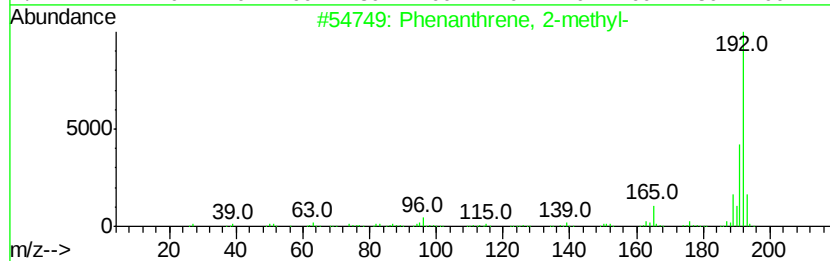
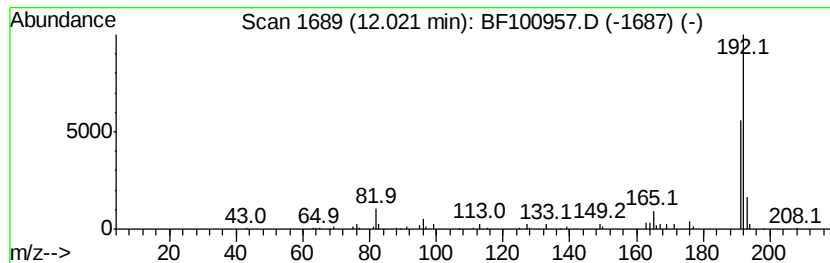
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.17 ng	97597	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
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ALS Vial : 34 Sample Multiplier: 1

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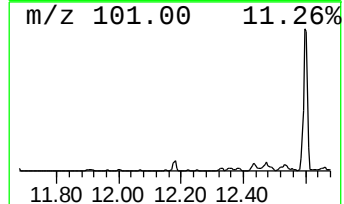
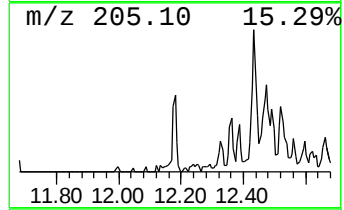
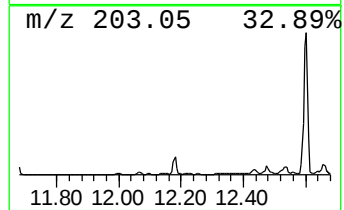
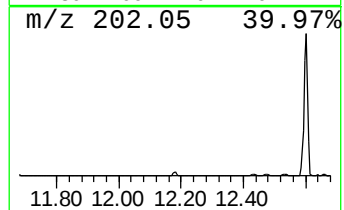
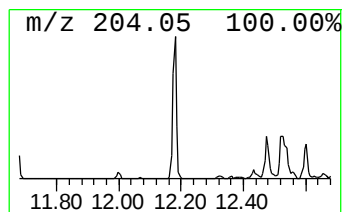
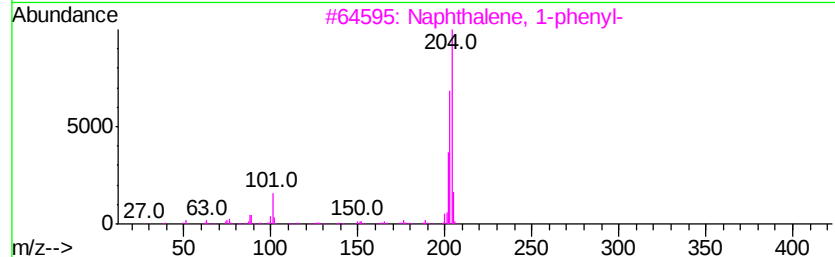
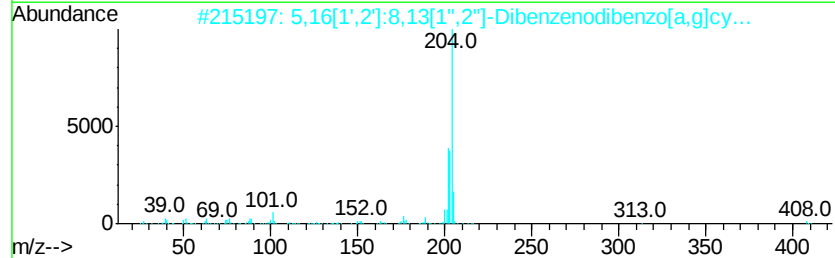
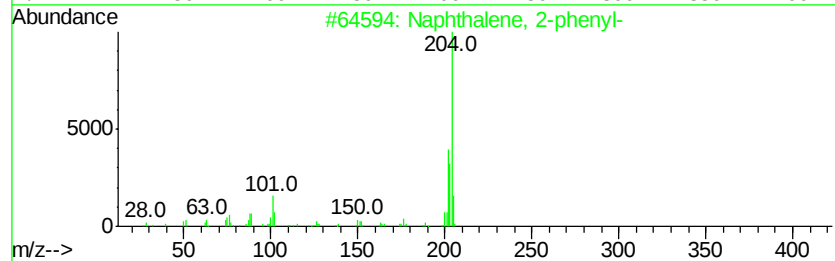
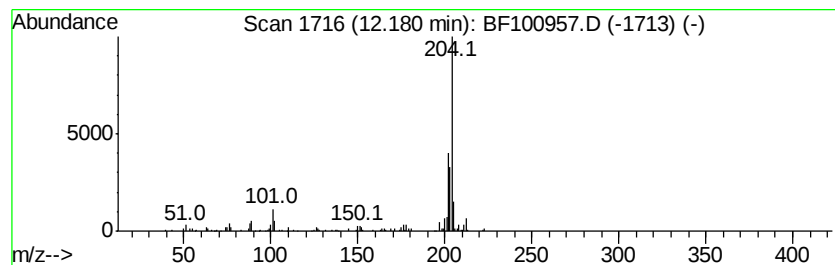
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	5.48 ng	103356	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
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ALS Vial : 34 Sample Multiplier: 1

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ClientSampleId :
HAR-2-E(4-5)

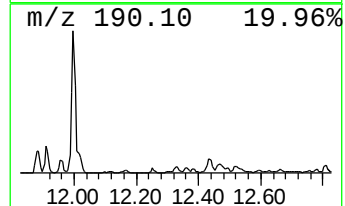
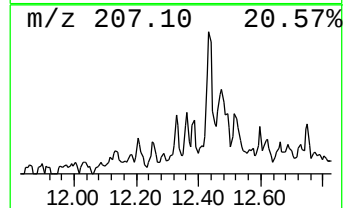
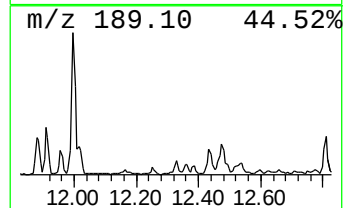
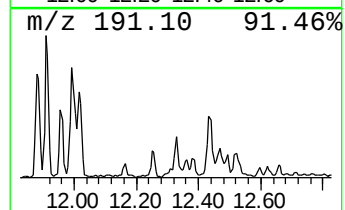
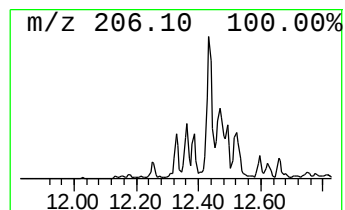
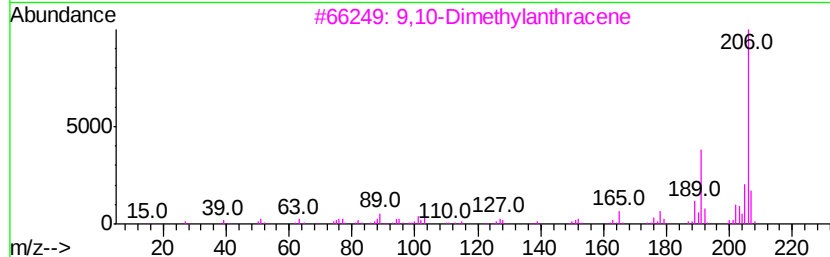
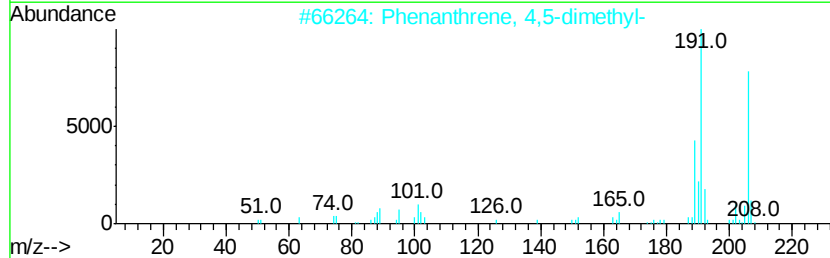
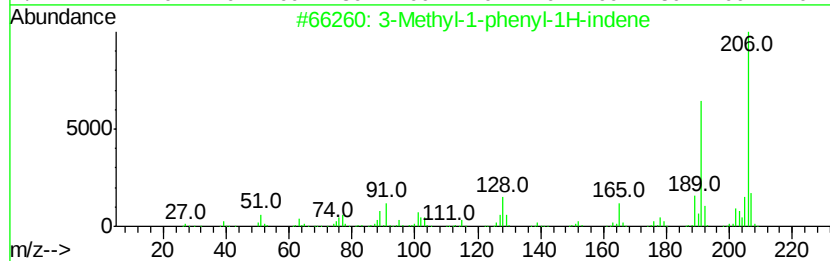
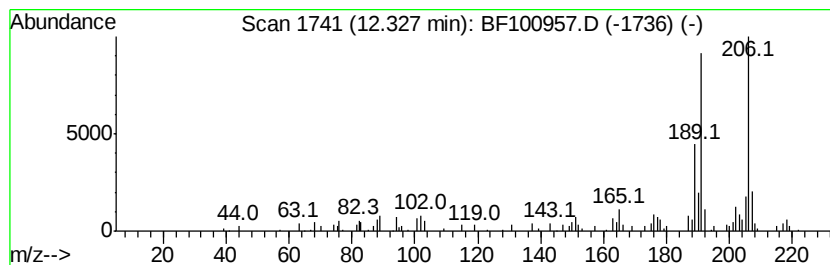
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3-Methyl-1-phenyl-1H-indene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.06 ng	76629	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	95
2			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
5			Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100957.D
Acq On : 29 Nov 2017 2:36
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

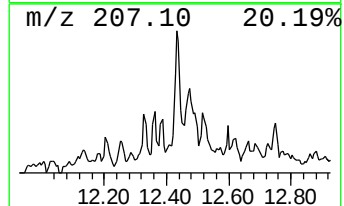
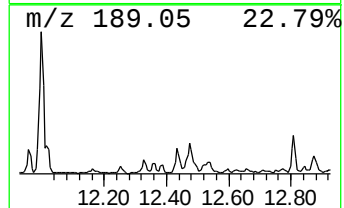
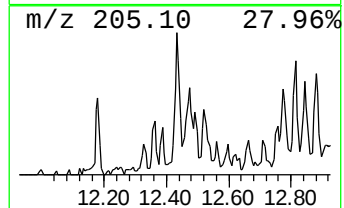
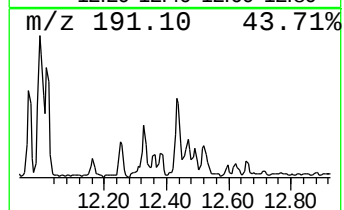
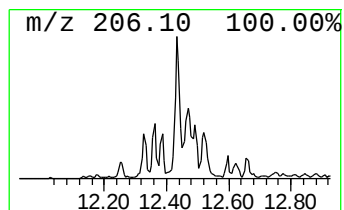
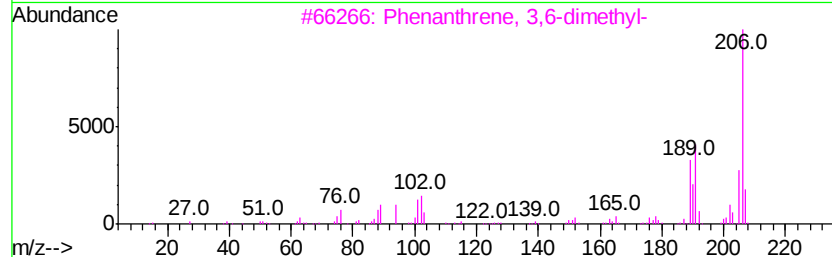
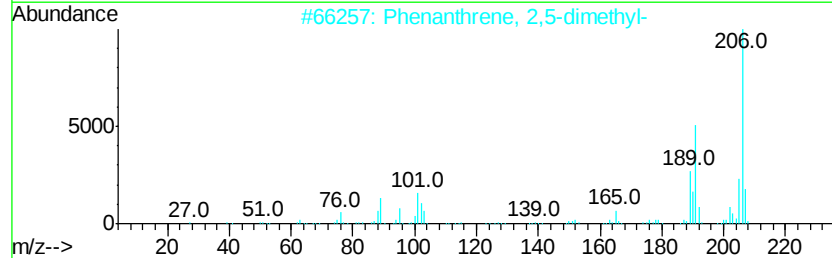
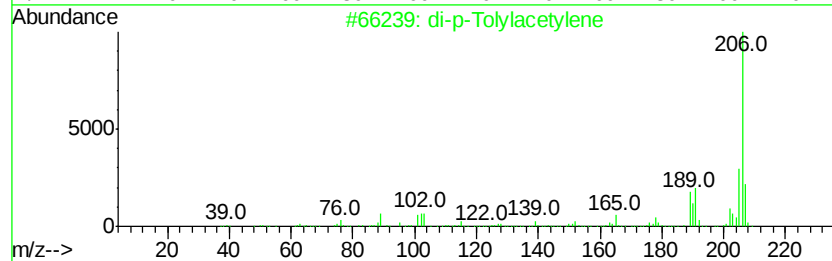
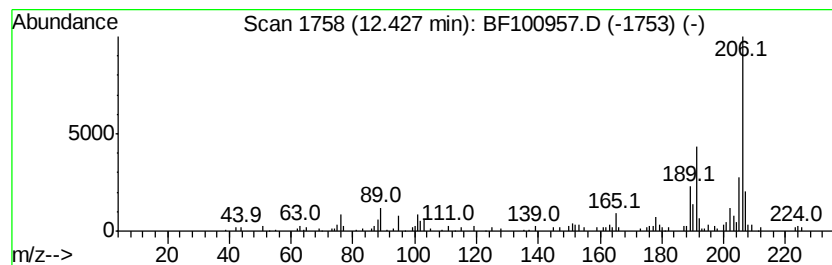
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	10.03 ng	189353	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
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Operator : SJ/JU
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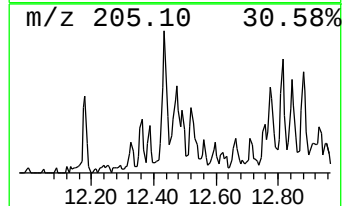
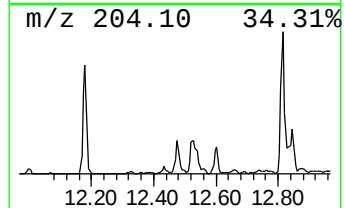
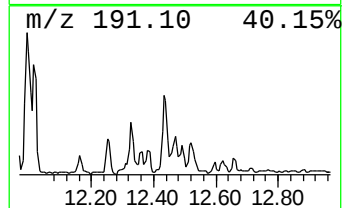
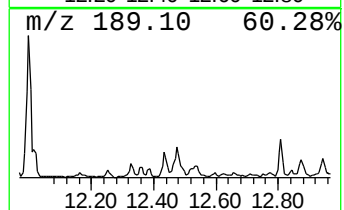
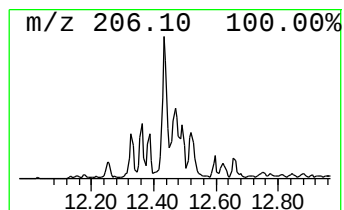
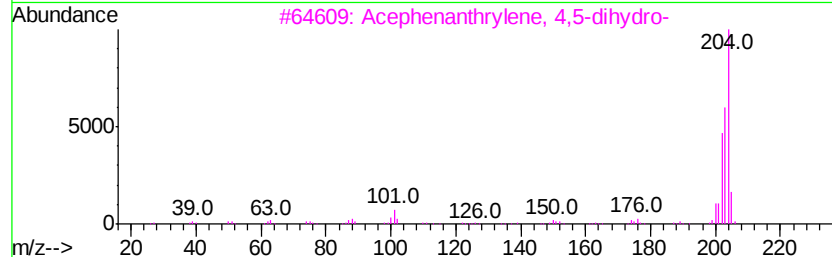
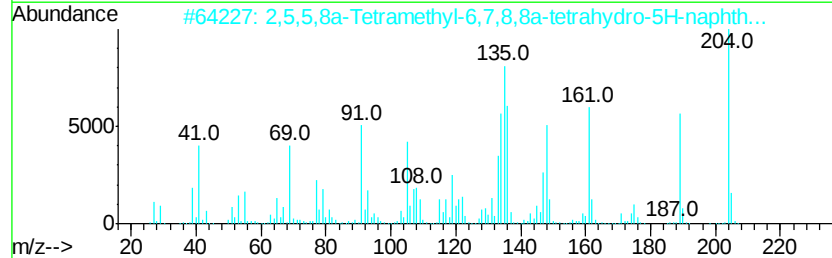
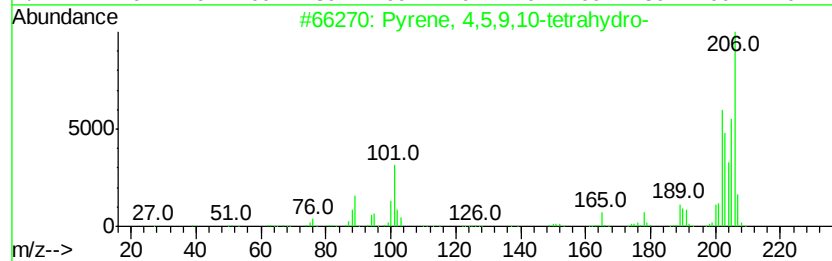
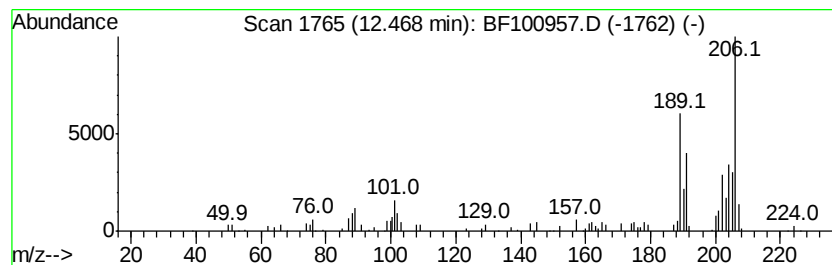
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.47 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	9.64 ng	182063	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H200	124957-09-1	35
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
4		5,16[1',2'1:8,13[1'',2''1-Dibenz...	408	C32H24	005672-97-9	27
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100957.D
Acq On : 29 Nov 2017 2:36
Operator : SJ/JU
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ClientSampleId :
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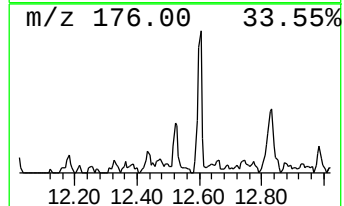
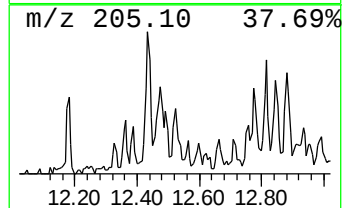
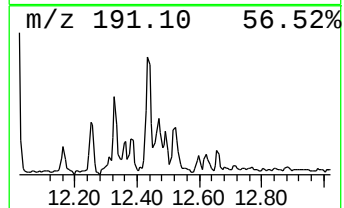
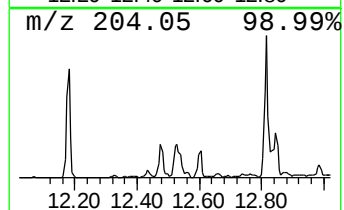
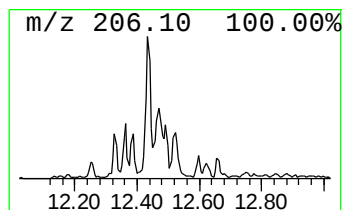
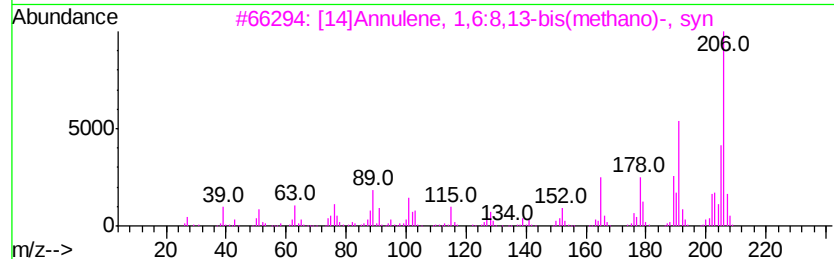
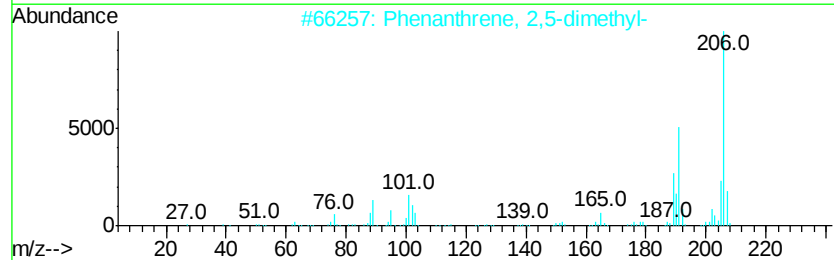
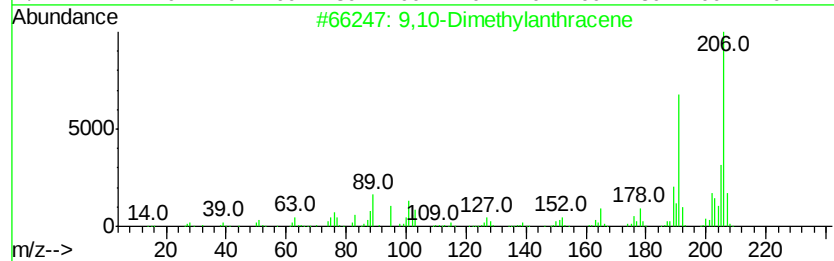
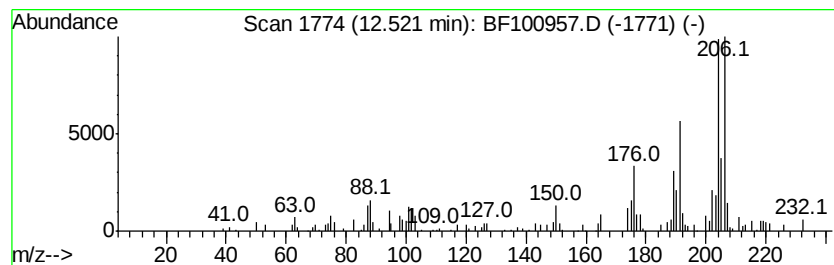
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10-Dimethylantracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	6.33 ng	119457	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	70
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
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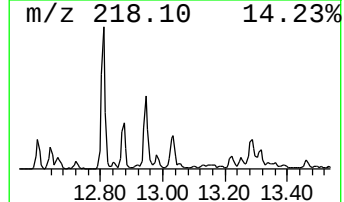
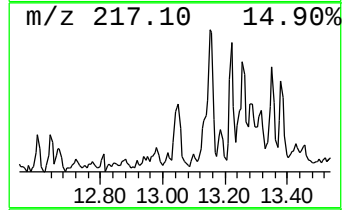
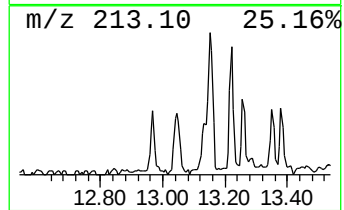
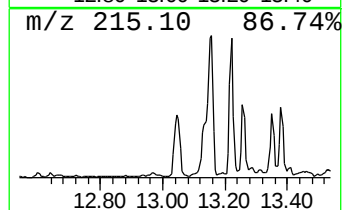
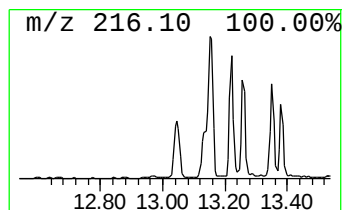
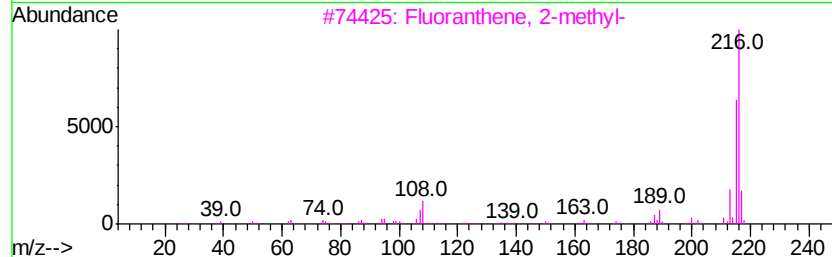
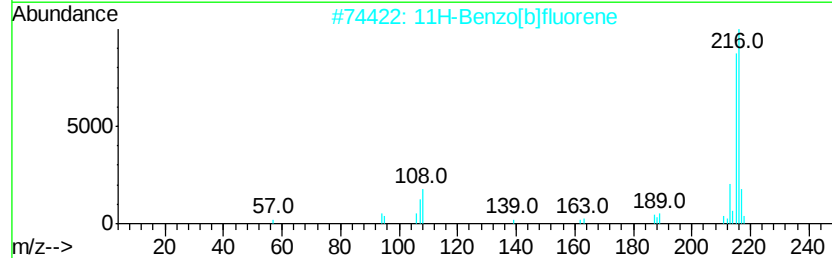
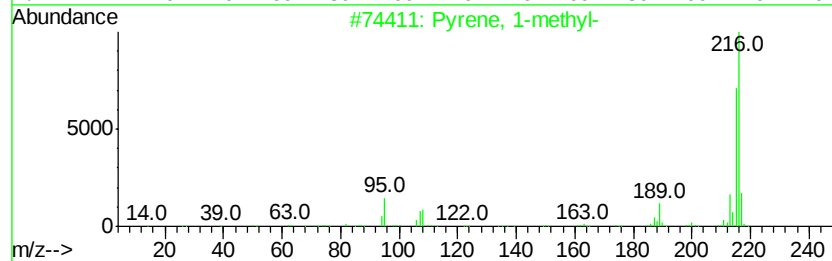
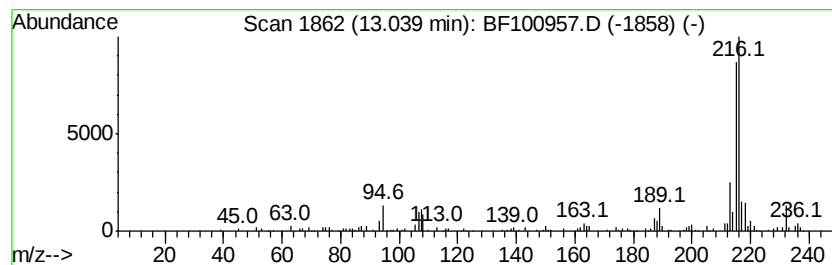
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.04	3.13 ng	175272	Chrysene-d12	14.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100957.D
Acq On : 29 Nov 2017 2:36
Operator : SJ/JU
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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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HAR-2-E(4-5)

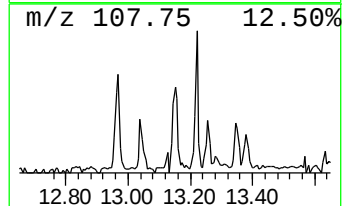
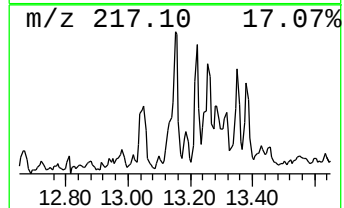
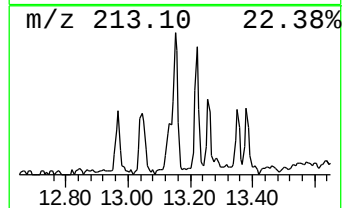
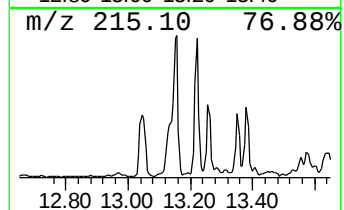
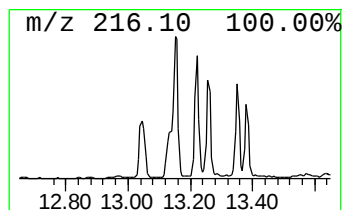
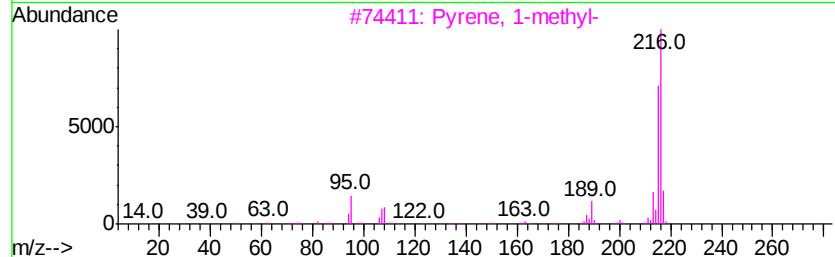
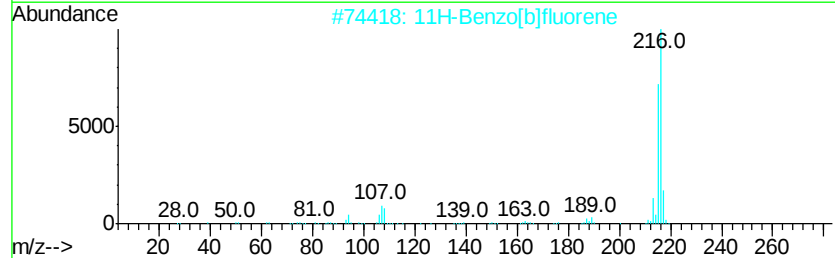
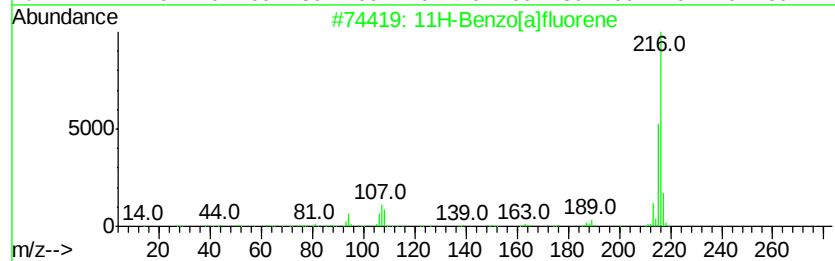
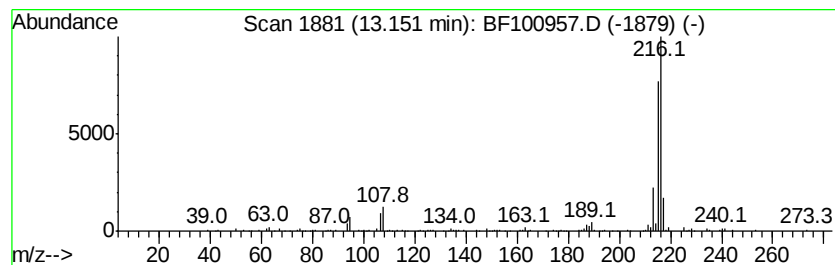
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.51 ng	196710	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
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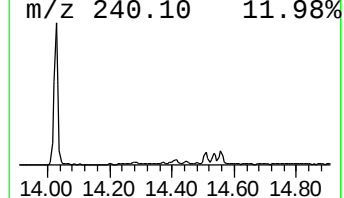
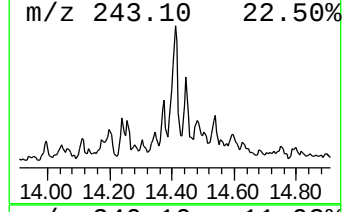
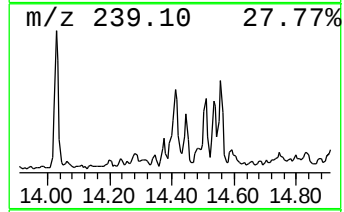
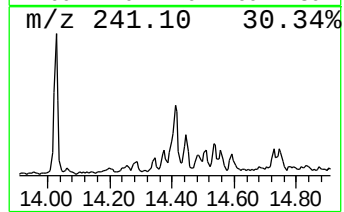
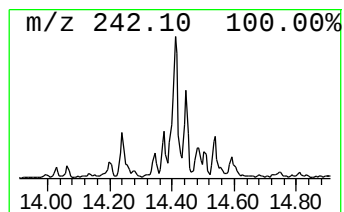
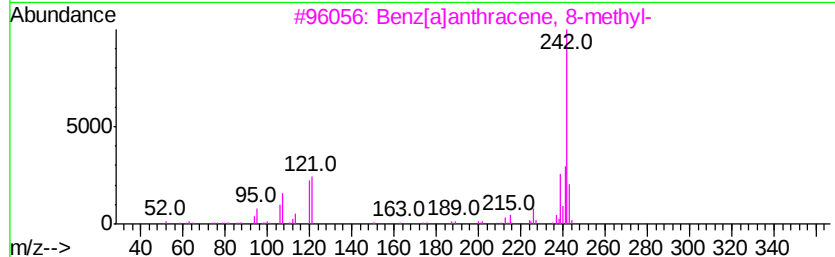
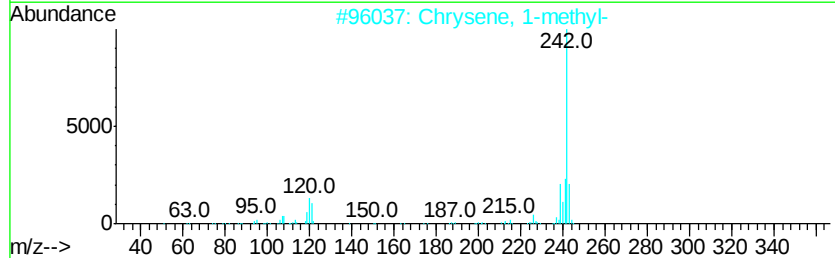
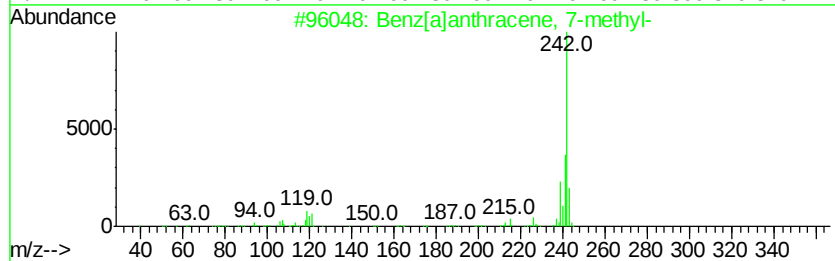
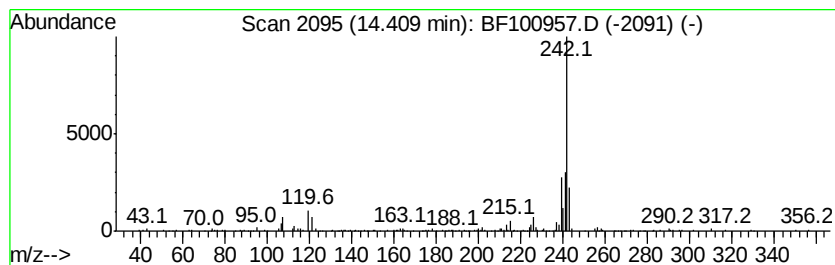
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	3.20 ng	179025	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2		Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
3		Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
4		Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
5		Chrysene, 5-methyl-	242	C19H14	003697-24-3	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100957.D
Acq On : 29 Nov 2017 2:36
Operator : SJ/JU
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Misc :
ALS Vial : 34 Sample Multiplier: 1

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ClientSampleId :
HAR-2-E(4-5)

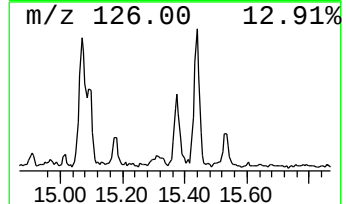
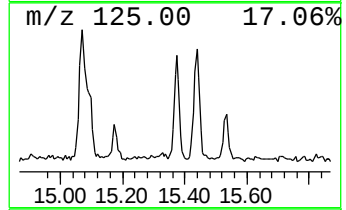
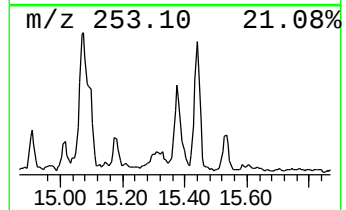
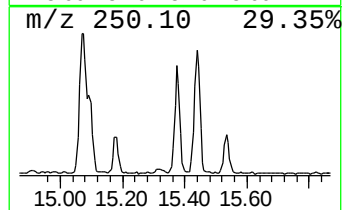
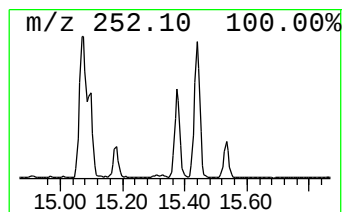
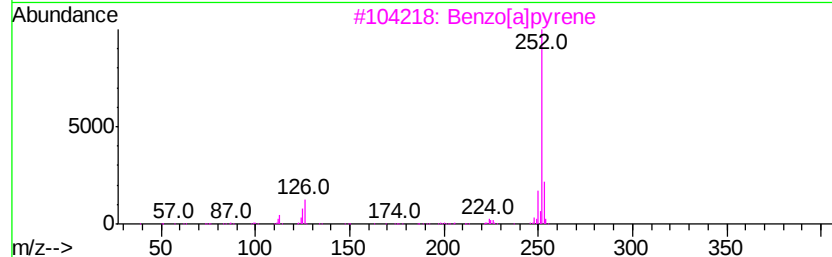
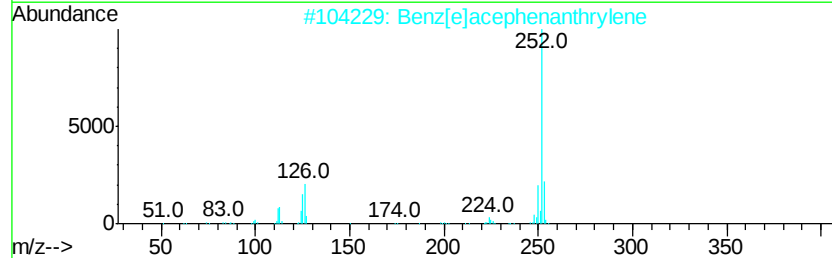
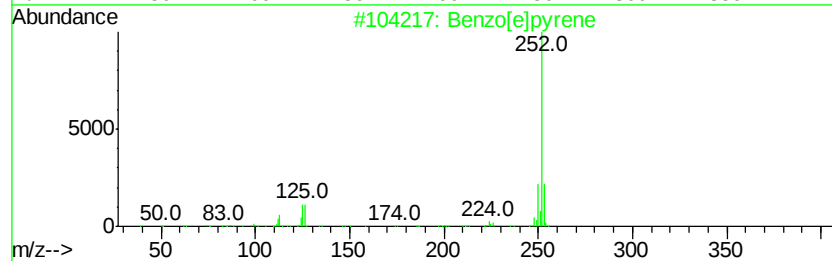
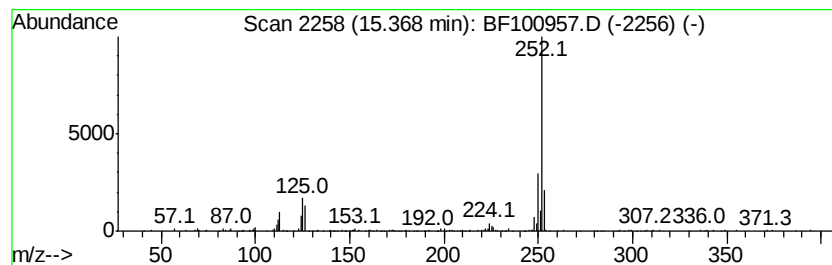
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	15.95 ng	244019	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpvrene	252	C20H12	000192-97-2	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Benzo[a]bpvrene	252	C20H12	000050-32-8	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
 Data File : BF100957.D
 Acq On : 29 Nov 2017 2:36
 Operator : SJ/JU
 Sample : I6579-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-2-E(4-5)

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
2-Pentanone, 4-hy...	5.08	10.2	ng	185916	1	6.86	365296	20.0
unknown6.63	6.63	72.5	ng	1323670	1	6.86	365296	20.0
2-Hydroxy-iso-but...	8.69	3.0	ng	67554	2	8.14	444356	20.0
Benzophenone	10.60	13.9	ng	291702	3	9.89	420378	20.0
unknown11.23	11.23	3.0	ng	56503	4	11.38	377556	20.0
Anthracene, 2-met...	11.91	13.1	ng	246805	4	11.38	377556	20.0
4H-Cyclopenta[def...	12.00	16.9	ng	318225	4	11.38	377556	20.0
Phenanthrene, 2-m...	12.02	5.2	ng	97597	4	11.38	377556	20.0
Naphthalene, 2-ph...	12.18	5.5	ng	103356	4	11.38	377556	20.0
3-Methyl-1-phenyl...	12.33	4.1	ng	76629	4	11.38	377556	20.0
di-p-Tolylacetylene	12.43	10.0	ng	189353	4	11.38	377556	20.0
unknown12.47	12.47	9.6	ng	182063	4	11.38	377556	20.0
9,10-Dimethylanthe...	12.52	6.3	ng	119457	4	11.38	377556	20.0
Pyrene, 1-methyl-	13.04	3.1	ng	175272	5	14.03	1119320	20.0
11H-Benzo[a]fluorene	13.15	3.5	ng	196710	5	14.03	1119320	20.0
Benz[a]anthracene...	14.41	3.2	ng	179025	5	14.03	1119320	20.0
Benzo[e]pyrene	15.37	15.9	ng	244019	6	15.50	305950	20.0