

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF091317\
 Data File : BF098495.D
 Acq On : 13 Sep 2017 17:49
 Operator : SJ/JU
 Sample : I5208-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-E

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-BF091117.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	4.822	462	465	479	rVB	53068	67895	4.37%	0.303%
2	5.257	535	539	550	rBV	807055	856204	55.10%	3.819%
3	6.298	713	716	728	rBV	835254	887343	57.10%	3.958%
4	6.422	734	737	744	rBV	975654	891779	57.39%	3.978%
5	6.651	773	776	784	rBV	1248538	1120391	72.10%	4.998%
6	6.810	799	803	813	rBV	729254	660186	42.49%	2.945%
7	7.222	869	873	882	rBV	540119	523823	33.71%	2.337%
8	7.939	991	995	998	rBV	1747295	1491490	95.98%	6.653%
9	8.363	1063	1067	1071	rBV4	13449	19645	1.26%	0.088%
10	8.651	1114	1116	1119	rBV	46051	35444	2.28%	0.158%
11	8.745	1129	1132	1137	rVB	59410	56500	3.64%	0.252%
12	9.010	1173	1177	1186	rBV	1218405	1007897	64.86%	4.496%
13	9.092	1187	1191	1193	rBV4	15796	20187	1.30%	0.090%
14	9.210	1208	1211	1217	rVB5	16402	20383	1.31%	0.091%
15	9.274	1218	1222	1226	rBV2	48524	64874	4.17%	0.289%
16	9.351	1231	1235	1237	rVV	82597	85499	5.50%	0.381%
17	9.374	1237	1239	1242	rVV	59796	57054	3.67%	0.254%
18	9.410	1242	1245	1249	rVV	147599	134904	8.68%	0.602%
19	9.463	1252	1254	1259	rVB	40553	46416	2.99%	0.207%
20	9.551	1265	1269	1274	rVB	108212	103059	6.63%	0.460%
21	9.686	1286	1292	1296	rBV2	1755456	1553899	100.00%	6.931%
22	9.716	1296	1297	1301	rVB	71886	58328	3.75%	0.260%
23	9.792	1307	1310	1315	rVB4	27554	30693	1.98%	0.137%
24	9.892	1324	1327	1331	rVB	72695	63739	4.10%	0.284%
25	9.933	1331	1334	1335	rBV	32325	25614	1.65%	0.114%
26	10.004	1341	1346	1349	rBV2	43884	51045	3.28%	0.228%
27	10.033	1349	1351	1357	rVB	29516	30620	1.97%	0.137%
28	10.092	1357	1361	1363	rBV2	28918	39087	2.52%	0.174%
29	10.116	1363	1365	1368	rVV2	30157	41277	2.66%	0.184%
30	10.186	1372	1377	1378	rVV4	16262	23896	1.54%	0.107%
31	10.233	1382	1385	1391	rVV	161984	162484	10.46%	0.725%
32	10.298	1391	1396	1398	rVV3	25741	35368	2.28%	0.158%
33	10.339	1401	1403	1406	rVV3	38352	39511	2.54%	0.176%
34	10.392	1409	1412	1415	rVB	36045	37645	2.42%	0.168%

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Integrator: RTE

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Stop Thrs : 0

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Peak separation: 5

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.474	1420	1426	1430	rBV	524704	474527	30.54%	2.117%
36	10.598	1443	1447	1453	rVB3	64691	102462	6.59%	0.457%
37	10.780	1473	1478	1480	rBV2	58789	73177	4.71%	0.326%
38	10.804	1480	1482	1486	rVB	39927	40522	2.61%	0.181%
39	10.863	1489	1492	1495	rVB2	35000	31888	2.05%	0.142%
40	10.910	1498	1500	1502	rBV3	16841	19271	1.24%	0.086%
41	10.980	1509	1512	1514	rVB2	32132	31155	2.00%	0.139%
42	11.016	1516	1518	1520	rVV3	24412	23964	1.54%	0.107%
43	11.039	1520	1522	1524	rVV	41983	38393	2.47%	0.171%
44	11.069	1524	1527	1531	rVB2	88636	101356	6.52%	0.452%
45	11.169	1540	1544	1546	rBV	1478704	1304819	83.97%	5.820%
46	11.192	1546	1548	1551	rVV	944224	694213	44.68%	3.097%
47	11.245	1551	1557	1560	rVB	203558	196958	12.68%	0.879%
48	11.280	1560	1563	1566	rBV2	37160	41976	2.70%	0.187%
49	11.404	1580	1584	1589	rBV	76272	94653	6.09%	0.422%
50	11.463	1592	1594	1597	rVV	57669	49652	3.20%	0.221%
51	11.498	1597	1600	1606	rVB2	44822	54355	3.50%	0.242%
52	11.580	1611	1614	1618	rVB2	35202	45552	2.93%	0.203%
53	11.627	1618	1622	1624	rBV5	19202	24604	1.58%	0.110%
54	11.668	1626	1629	1631	rVV	172936	151888	9.77%	0.678%
55	11.698	1631	1634	1637	rVV	210835	176195	11.34%	0.786%
56	11.745	1638	1642	1644	rVV	63225	65719	4.23%	0.293%
57	11.780	1644	1648	1650	rVV	238442	270066	17.38%	1.205%
58	11.804	1650	1652	1656	rVB	120262	100577	6.47%	0.449%
59	11.868	1661	1663	1666	rVB2	34432	33667	2.17%	0.150%
60	11.904	1666	1669	1671	rBV3	28616	26621	1.71%	0.119%
61	11.963	1676	1679	1682	rVV	83607	83691	5.39%	0.373%
62	11.998	1682	1685	1688	rVB	62446	60398	3.89%	0.269%
63	12.110	1702	1704	1707	rVB	27908	26144	1.68%	0.117%
64	12.145	1707	1710	1712	rBV2	47537	51169	3.29%	0.228%
65	12.168	1712	1714	1717	rVB	37685	30419	1.96%	0.136%
66	12.216	1719	1722	1725	rBV	241876	241412	15.54%	1.077%
67	12.257	1725	1729	1734	rVV5	87285	141425	9.10%	0.631%
68	12.304	1734	1737	1745	rVB4	63142	84231	5.42%	0.376%
69	12.374	1745	1749	1753	rBV	845388	800165	51.49%	3.569%
70	12.474	1763	1766	1768	rBV	54922	48327	3.11%	0.216%
71	12.604	1782	1788	1791	rBV	817567	810846	52.18%	3.617%

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

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72	12.627	1791	1792	1795	rVV	64250	44099	2.84%	0.197%
73	12.657	1795	1797	1800	rVB3	37960	44750	2.88%	0.200%
74	12.745	1809	1812	1819	rVB	695630	698597	44.96%	3.116%
75	12.827	1822	1826	1829	rBV2	64450	96691	6.22%	0.431%
76	12.933	1837	1844	1847	rVB	153824	241988	15.57%	1.079%
77	12.998	1847	1855	1858	rBV2	142848	227777	14.66%	1.016%
78	13.033	1858	1861	1865	rBV2	100809	115223	7.42%	0.514%
79	13.127	1875	1877	1880	rVB	57237	42337	2.72%	0.189%
80	13.157	1880	1882	1884	rBV	62038	54496	3.51%	0.243%
81	13.551	1947	1949	1951	rBV	63713	44864	2.89%	0.200%
82	13.651	1964	1966	1973	rVB2	109017	127698	8.22%	0.570%
83	13.798	1987	1991	1994	rBV2	1167476	1383019	89.00%	6.169%
84	13.827	1994	1996	2004	rVB	341189	303922	19.56%	1.356%
85	14.809	2160	2163	2169	rVB	308181	482517	31.05%	2.152%
86	15.086	2207	2210	2216	rVB	172525	176840	11.38%	0.789%
87	15.145	2217	2220	2225	rVB	281935	319207	20.54%	1.424%
88	15.204	2226	2230	2236	rBV	819695	1024065	65.90%	4.568%

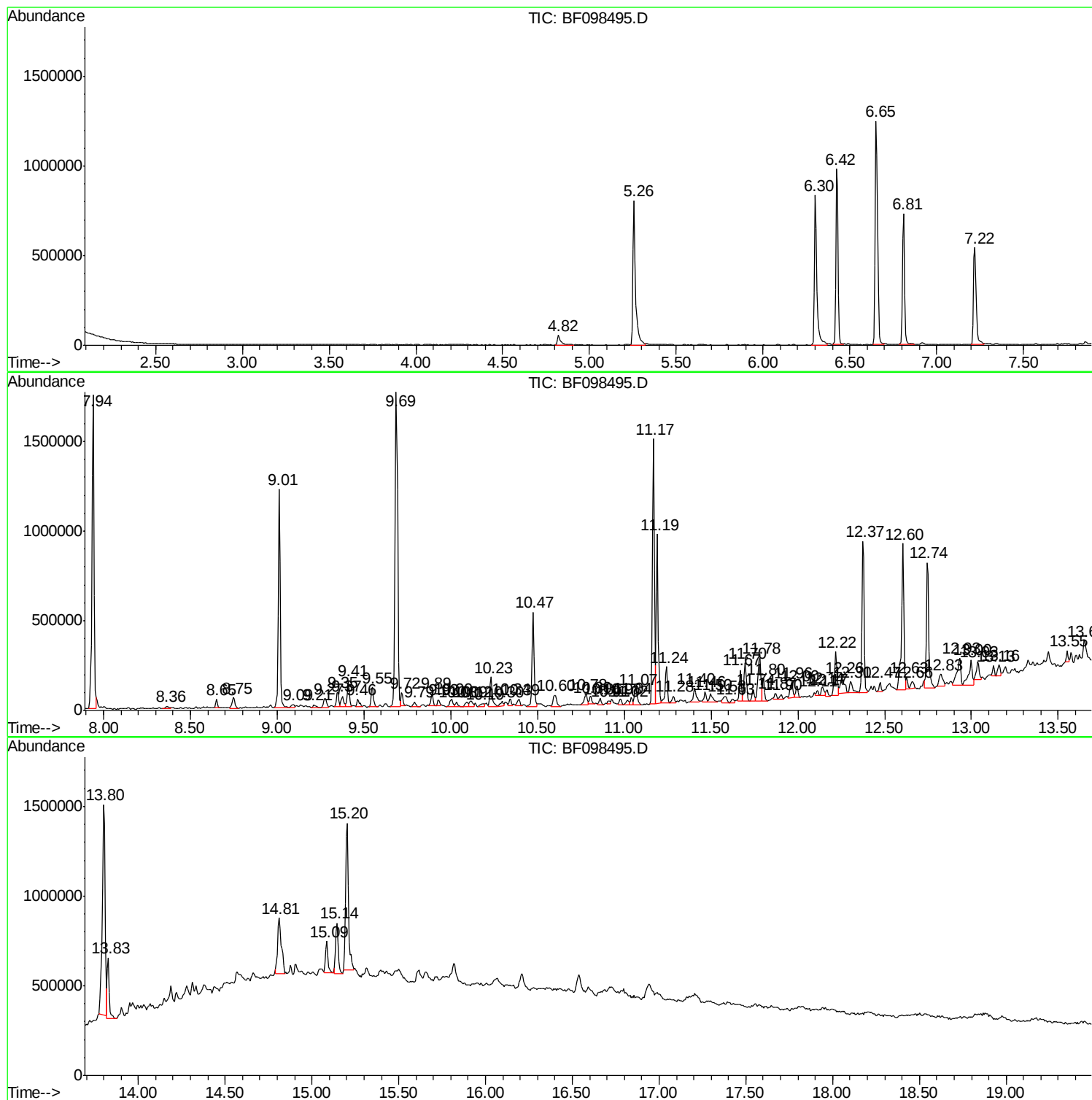
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Instrument :
BNA_F
ClientSampleId :
CL-02-091117-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.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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Instrument :
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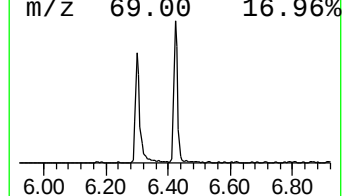
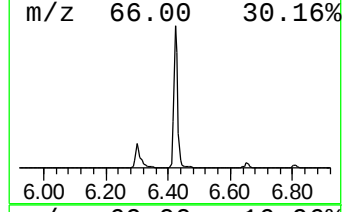
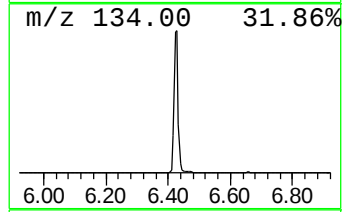
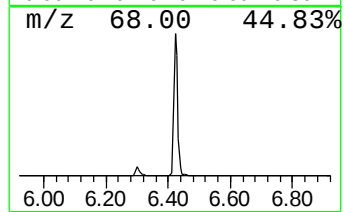
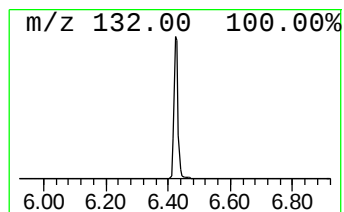
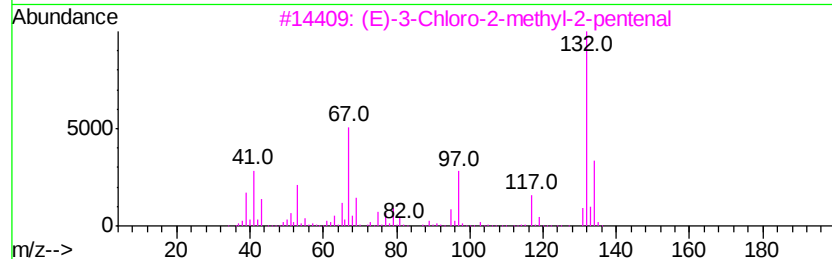
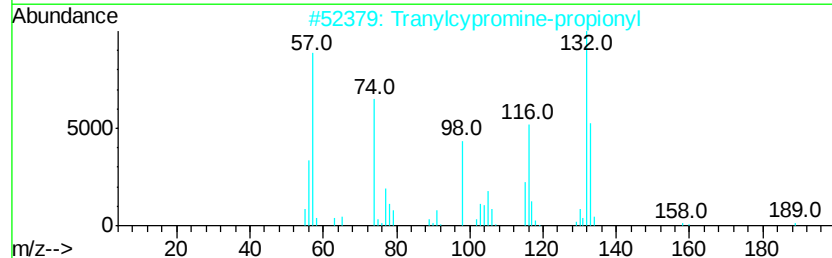
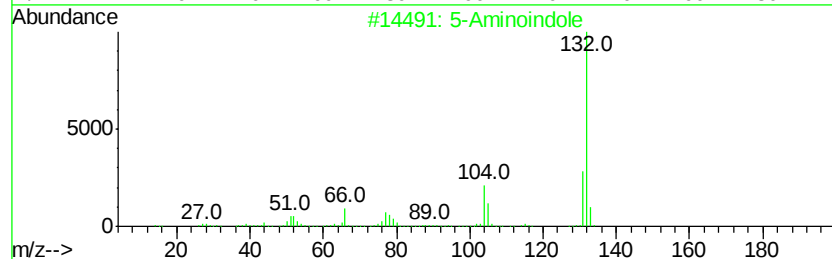
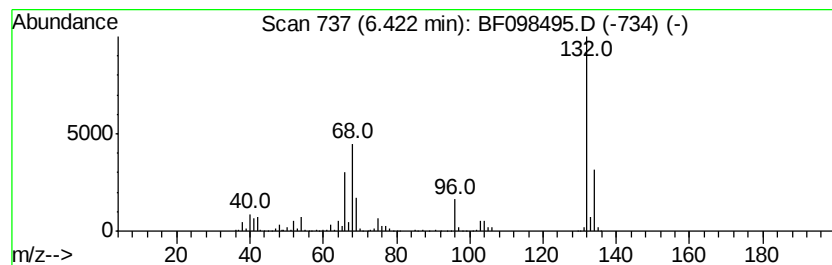
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	15.92 ng	891779	1,4-Dichlorobenzene-d4	6.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Aminoindole	132	C8H8N2	005192-03-0	12
2			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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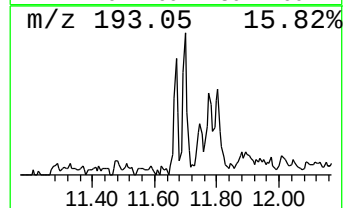
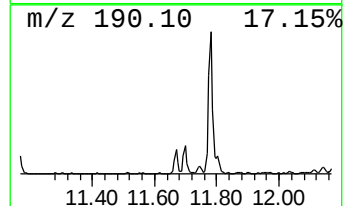
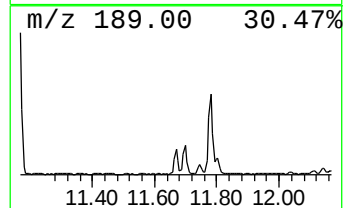
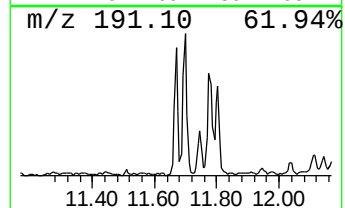
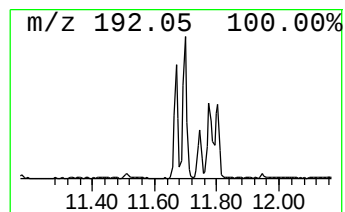
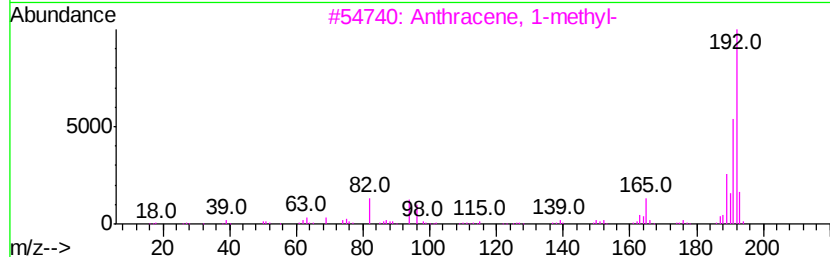
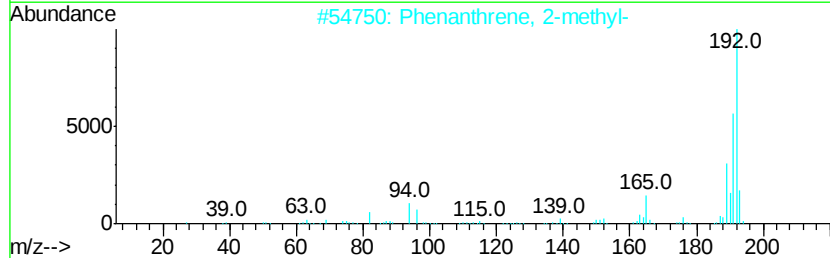
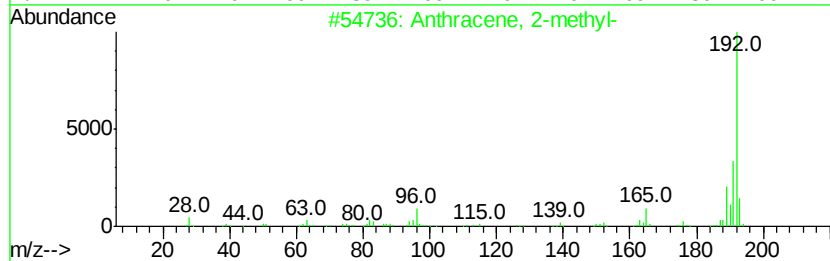
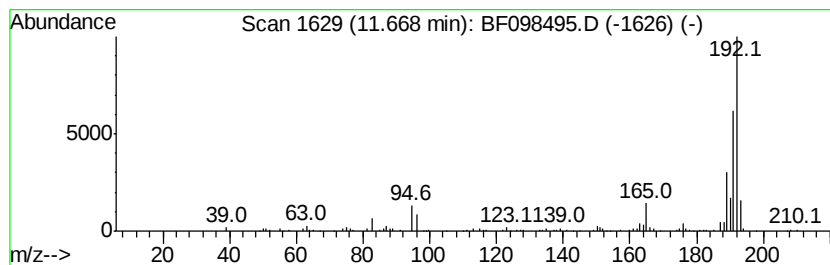
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	2.33 ng	151888	Phenanthrene-d10	11.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



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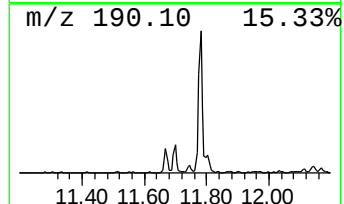
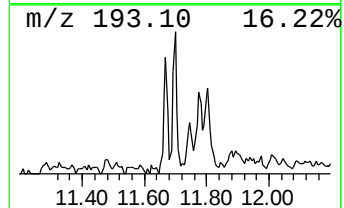
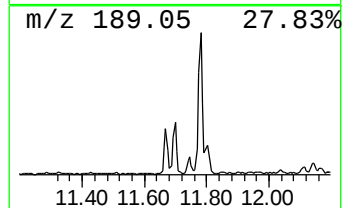
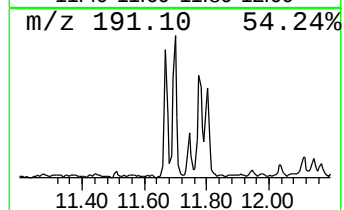
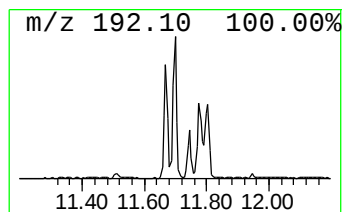
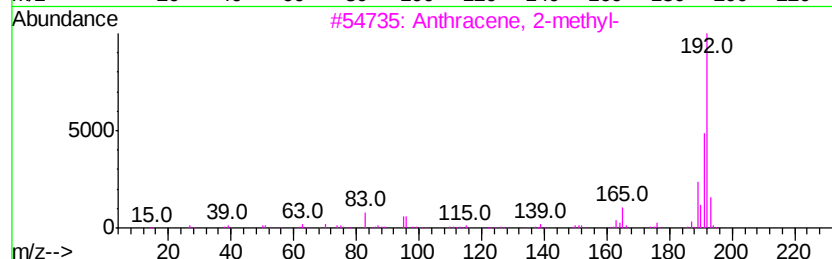
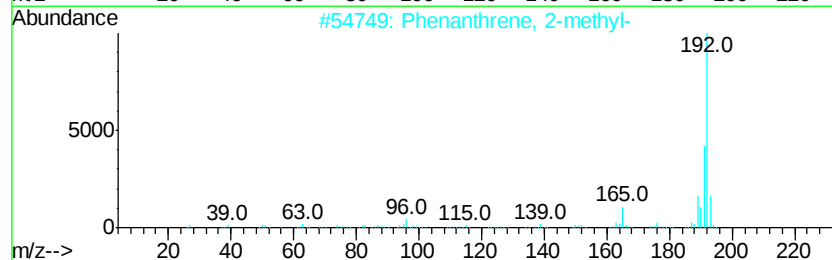
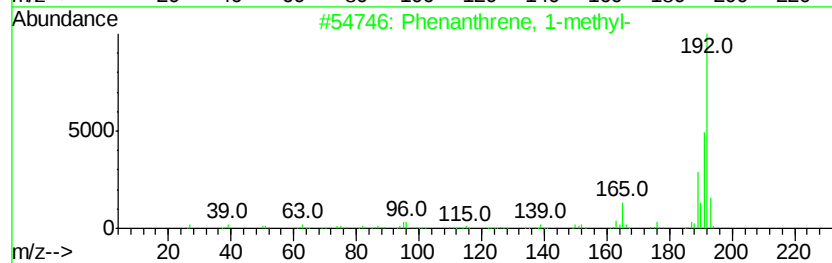
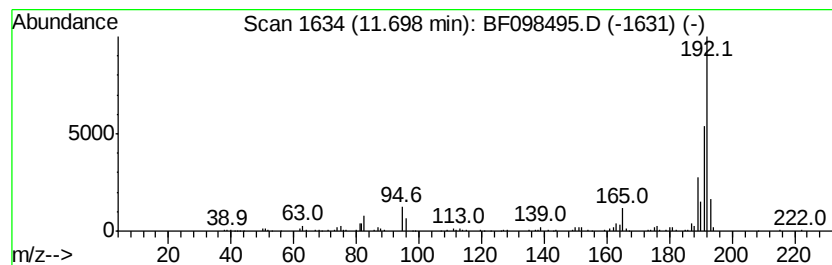
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.70	2.70 ng	176195	Phenanthrene-d10	11.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



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ALS Vial : 13 Sample Multiplier: 1

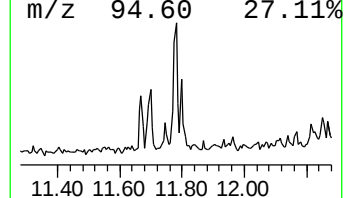
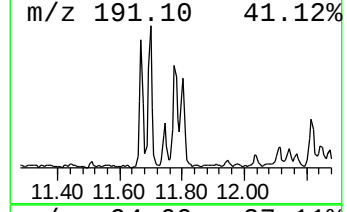
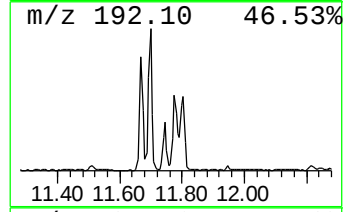
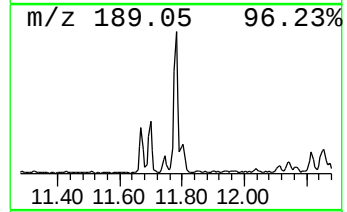
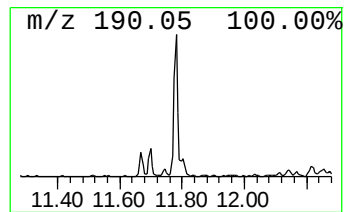
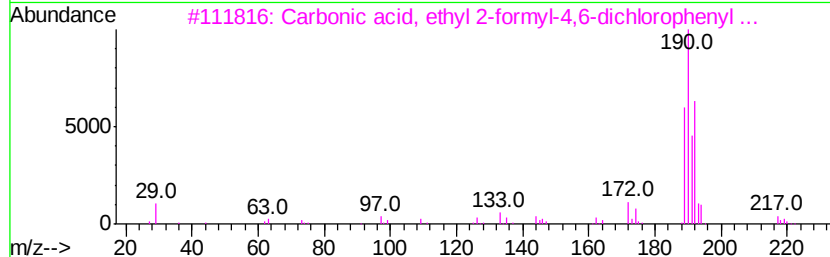
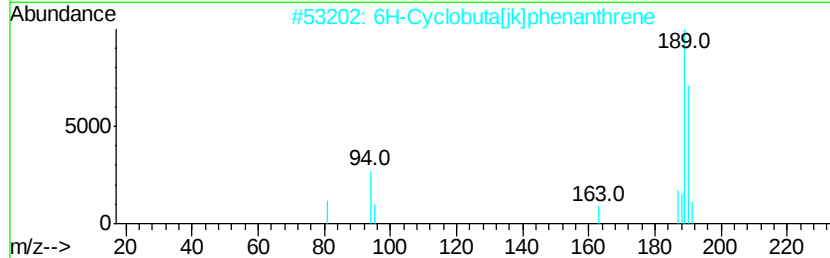
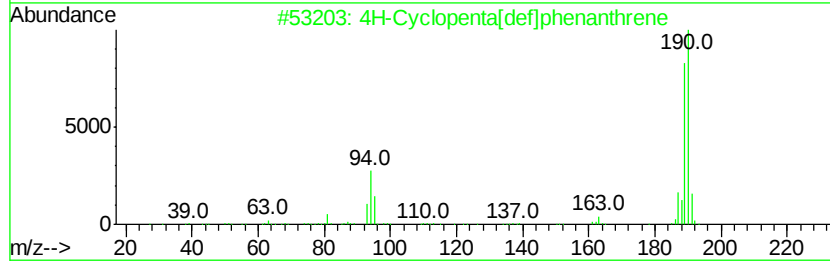
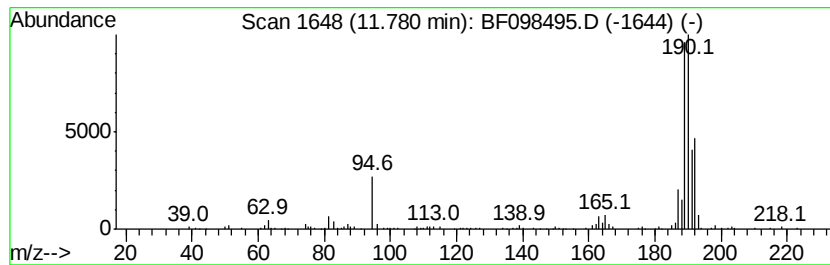
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ClientSampleId :
CL-02-091117-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	4.14 ng	270066	Phenanthrene-d10	11.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jkl]phenanthrene	190	C15H10	083469-43-6	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Megastigmatrienone	190	C13H18O	038818-55-2	18



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098495.D
Acq On : 13 Sep 2017 17:49
Operator : SJ/JU
Sample : I5208-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

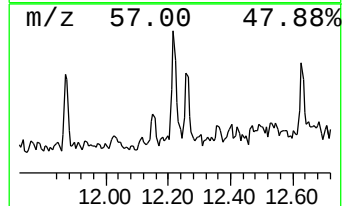
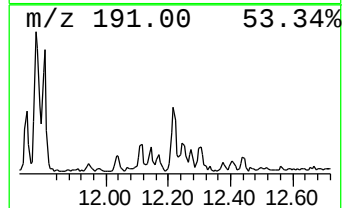
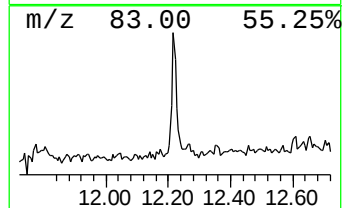
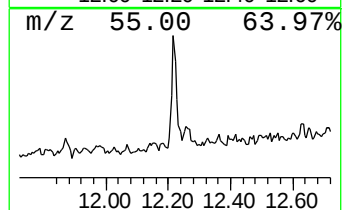
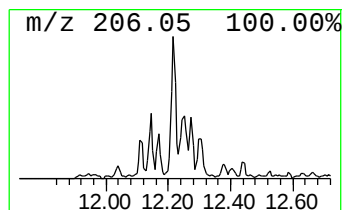
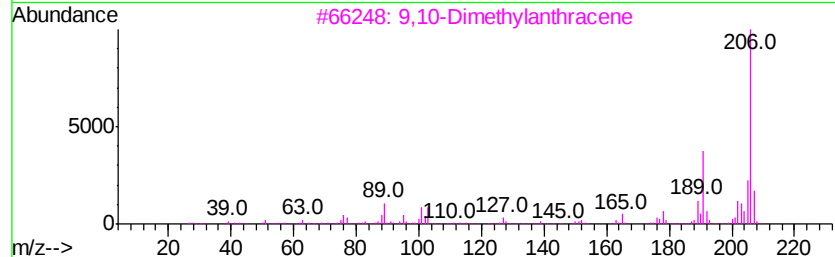
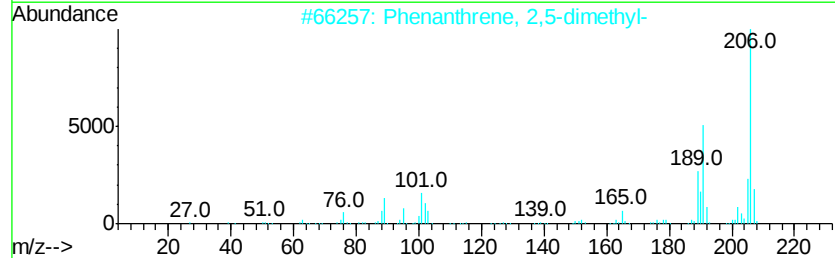
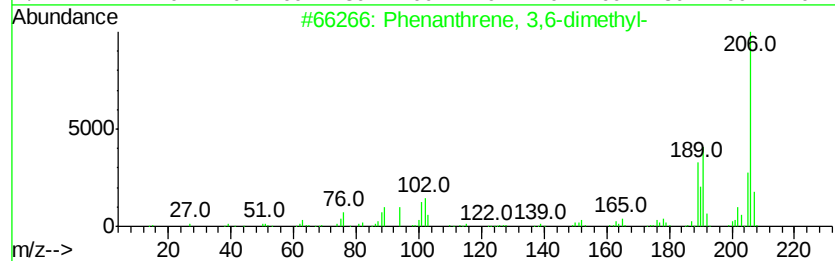
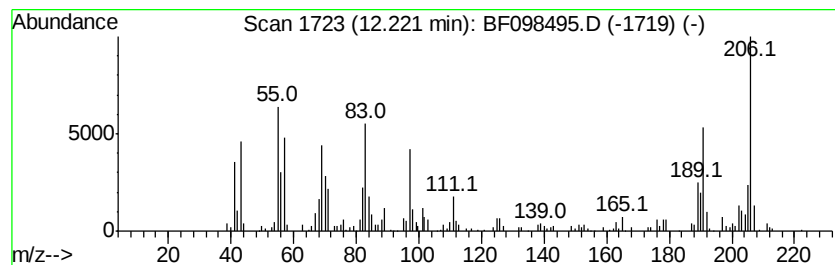
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ClientSampleId :
CL-02-091117-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.22	3.70 ng	241412	Phenanthrene-d10	11.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Cyclohexadecane	224	C16H32	000295-65-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098495.D
Acq On : 13 Sep 2017 17:49
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Sample : I5208-13 5X
Misc :
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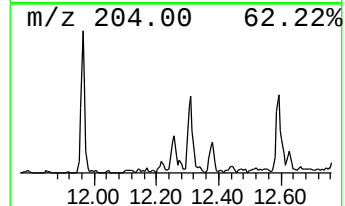
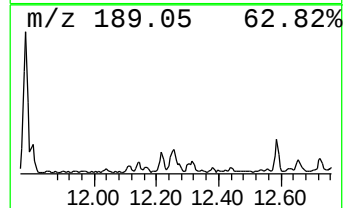
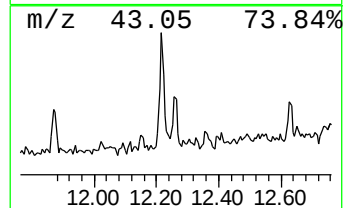
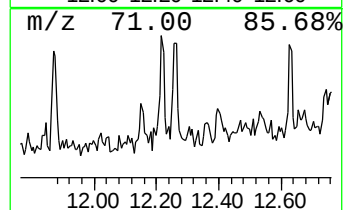
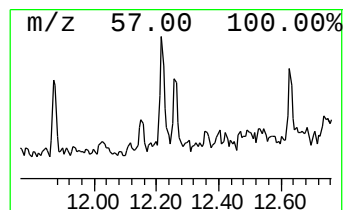
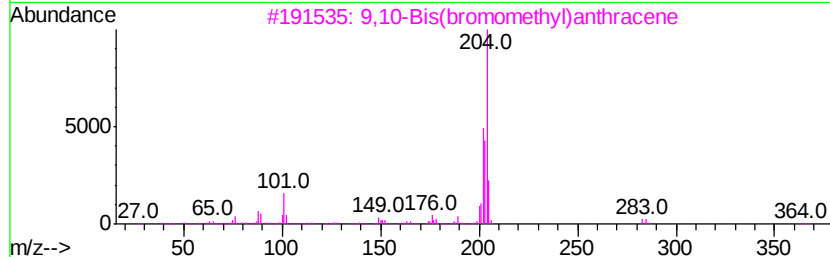
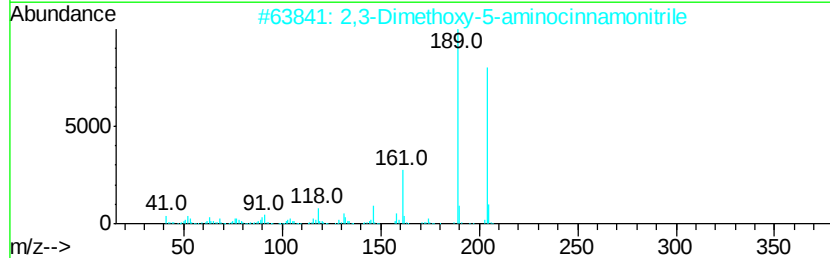
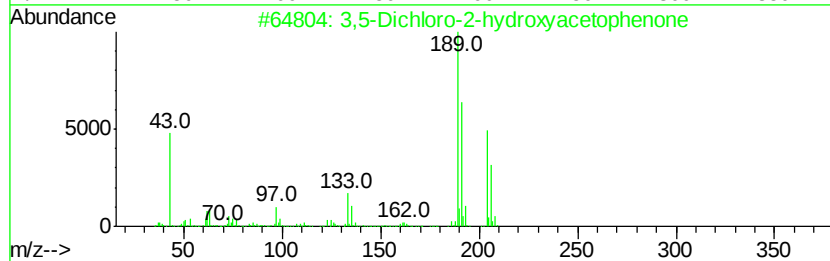
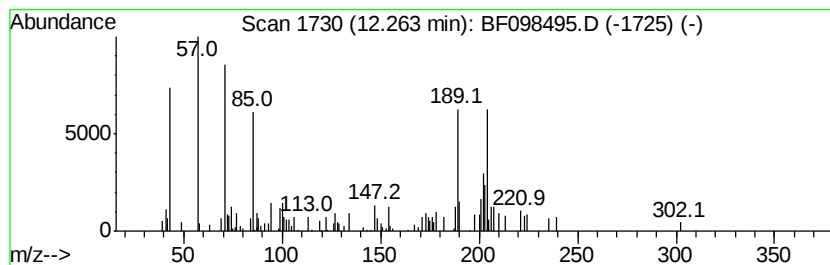
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown12.26 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.26	2.17 ng	141425	Phenanthrene-d10	11.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	47
2	2,3-Dimethoxy-5-aminocinnamitrile	204	C11H12N2O2	1000214-46-5	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098495.D
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Sample : I5208-13 5X
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ALS Vial : 13 Sample Multiplier: 1

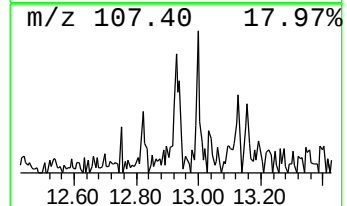
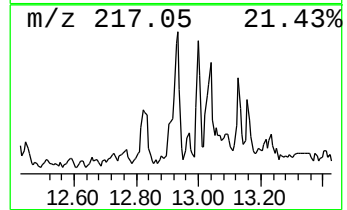
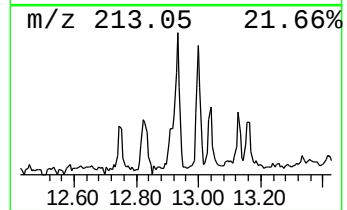
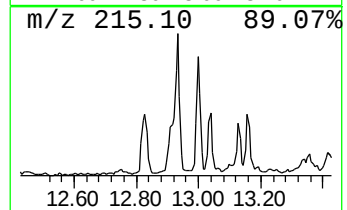
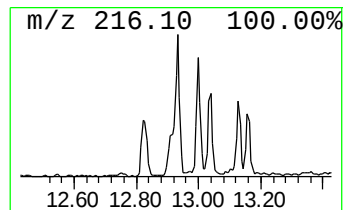
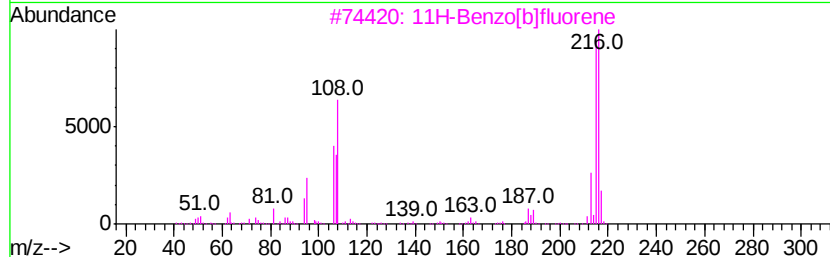
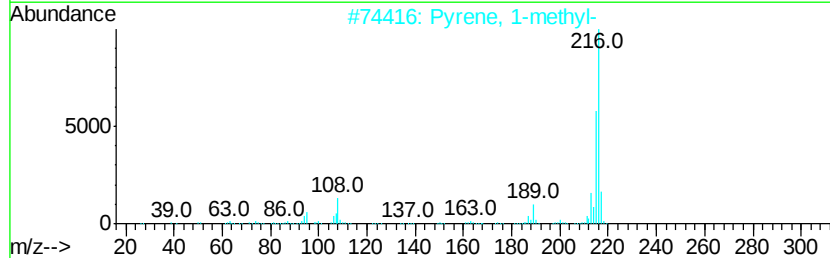
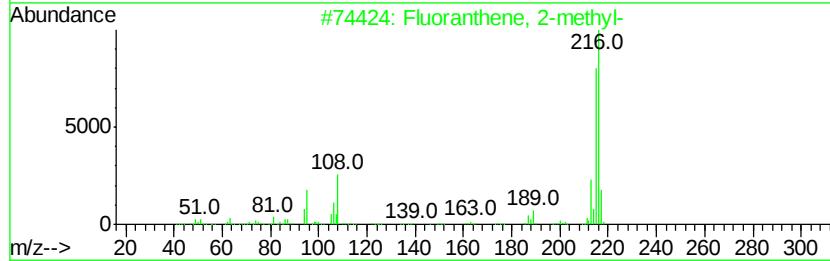
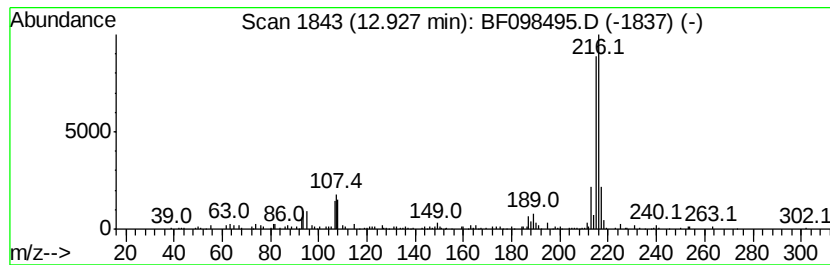
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.93	3.50 ng	241988	Chrysene-d12	13.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098495.D
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Operator : SJ/JU
Sample : I5208-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

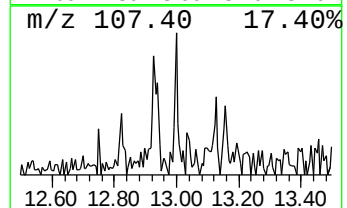
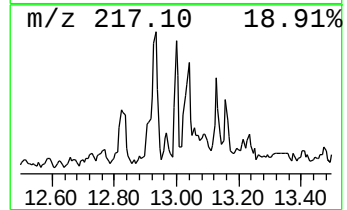
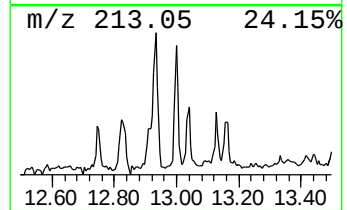
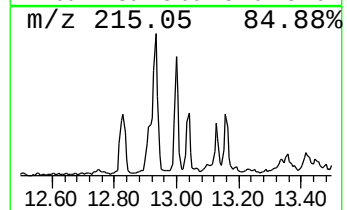
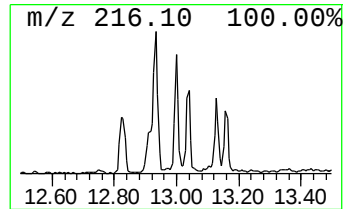
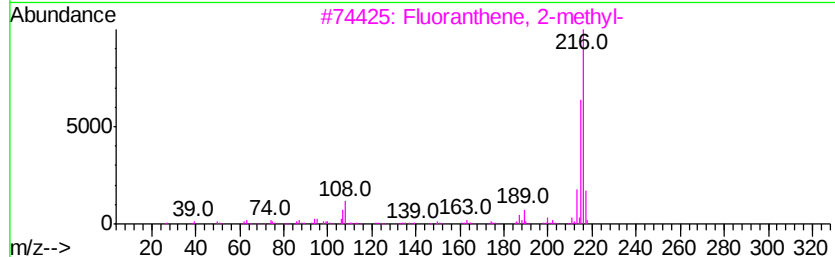
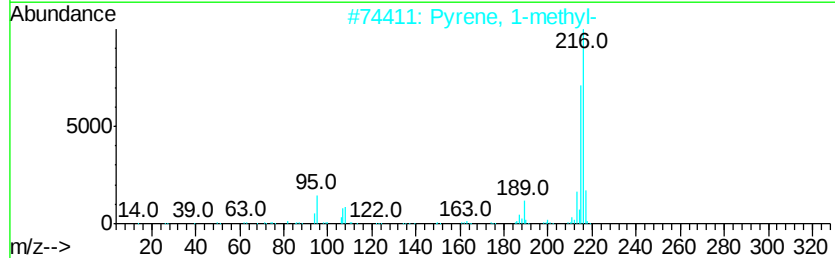
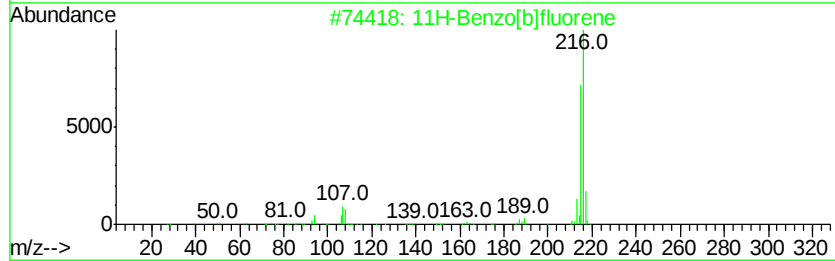
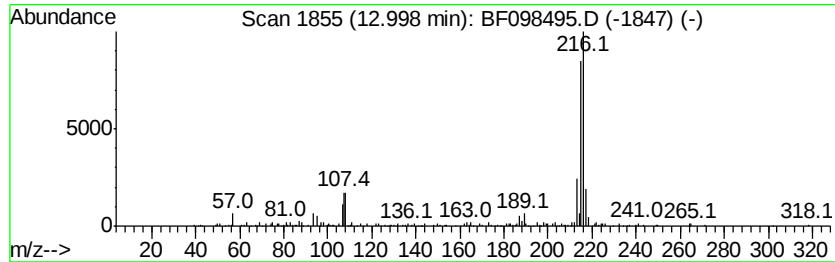
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.00	3.29 ng	227777	Chrysene-d12	13.80		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098495.D
Acq On : 13 Sep 2017 17:49
Operator : SJ/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-091117-E

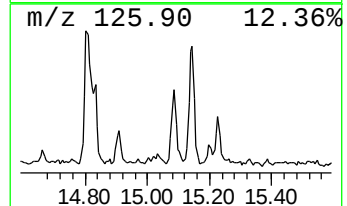
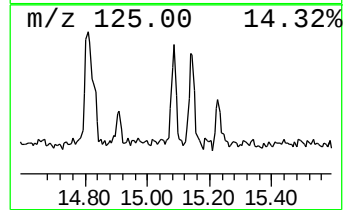
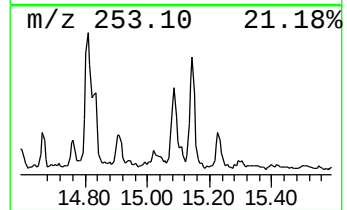
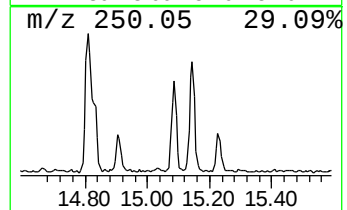
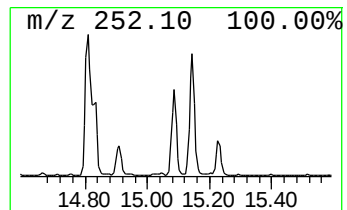
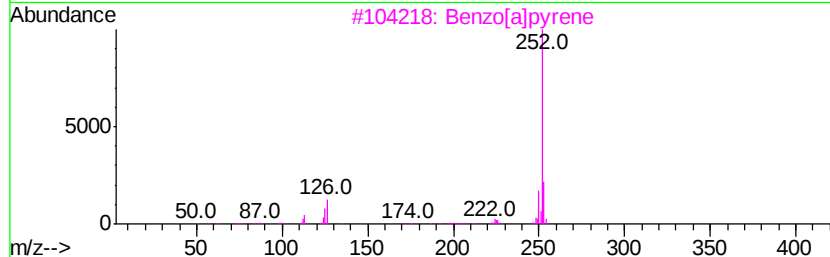
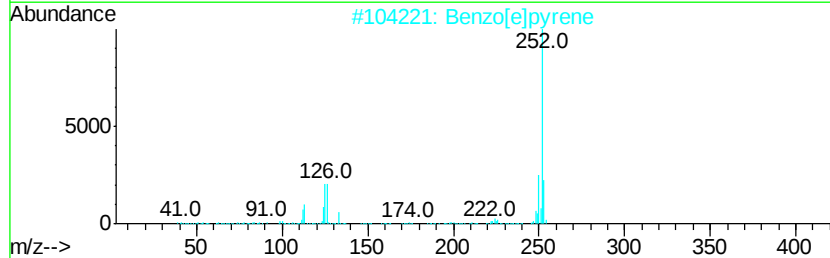
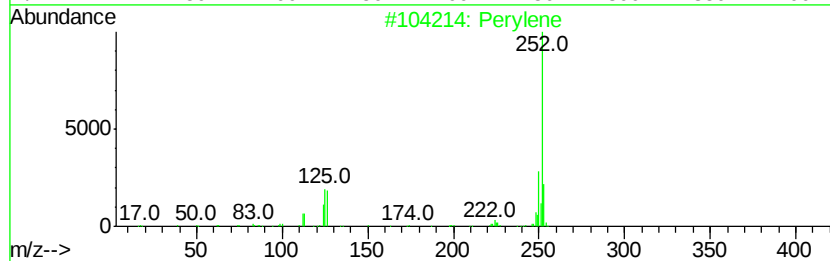
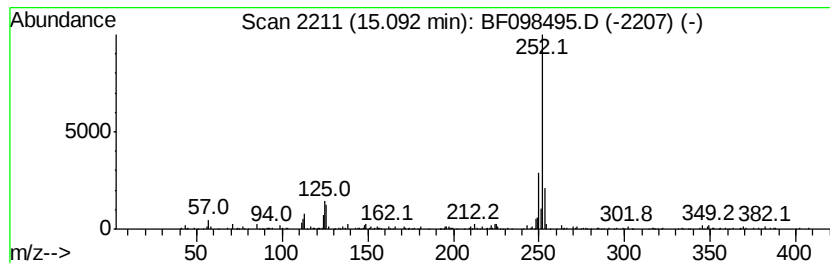
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	3.45 ng	176840	Perylene-d12	15.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	98
2			Benzo[e]pyrene	252	C20H12	000192-97-2	98
3			Benzo[a]pyrene	252	C20H12	000050-32-8	96
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF091317\
Data File : BF098495.D
Acq On : 13 Sep 2017 17:49
Operator : SJ/JU
Sample : I5208-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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
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Anthracene, 2-met...	11.67	2.3	ng	151888	4	11.17	1304820	20.0
Phenanthrene, 1-m...	11.70	2.7	ng	176195	4	11.17	1304820	20.0
4H-Cyclopenta[def...	11.78	4.1	ng	270066	4	11.17	1304820	20.0
Phenanthrene, 3,6...	12.22	3.7	ng	241412	4	11.17	1304820	20.0
unknown12.26	12.26	2.2	ng	141425	4	11.17	1304820	20.0
Fluoranthene, 2-m...	12.93	3.5	ng	241988	5	13.80	1383020	20.0
11H-Benzo[b]fluorene	13.00	3.3	ng	227777	5	13.80	1383020	20.0
Perylene	15.09	3.5	ng	176840	6	15.20	1024070	20.0