

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098721.D
 Acq On : 23 Sep 2017 2:56
 Operator : SJ/JU
 Sample : I5308-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 220-1-(O-U)-COMP

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-BF092117.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	2.228	21	24	40	rVB3	92136	193516	7.63%	0.417%
2	5.151	517	521	529	rVB	393250	451118	17.79%	0.972%
3	5.545	583	588	591	rBV	2566804	2417835	95.37%	5.211%
4	6.545	753	758	761	rBV	2582815	2527002	99.67%	5.446%
5	6.692	779	783	787	rBV	2546485	2535270	100.00%	5.464%
6	6.928	819	823	827	rBV	1181384	930113	36.69%	2.005%
7	7.086	846	850	853	rBV	1795139	1573037	62.05%	3.390%
8	7.486	913	918	921	rBV	1730038	1479709	58.36%	3.189%
9	8.210	1037	1041	1043	rBV	1544291	1303823	51.43%	2.810%
10	8.233	1043	1045	1048	rVB	799038	605954	23.90%	1.306%
11	8.922	1158	1162	1165	rBV	304171	236113	9.31%	0.509%
12	9.022	1173	1179	1182	rVB	218838	176392	6.96%	0.380%
13	9.280	1219	1223	1226	rBV	2653920	2203691	86.92%	4.749%
14	9.380	1238	1240	1244	rVB	80291	67987	2.68%	0.147%
15	9.480	1254	1257	1261	rVB	55699	53317	2.10%	0.115%
16	9.545	1264	1268	1272	rVV2	70451	92741	3.66%	0.200%
17	9.622	1277	1281	1283	rVV	117618	112660	4.44%	0.243%
18	9.645	1283	1285	1287	rVV	80937	64880	2.56%	0.140%
19	9.674	1287	1290	1293	rVB	232724	194360	7.67%	0.419%
20	9.739	1298	1301	1303	rBV	57509	48132	1.90%	0.104%
21	9.963	1336	1339	1342	rVB	1275447	1138391	44.90%	2.453%
22	9.998	1342	1345	1348	rVB	861850	659873	26.03%	1.422%
23	10.121	1361	1366	1369	rBV2	43334	46083	1.82%	0.099%
24	10.169	1369	1374	1377	rVB	362591	320051	12.62%	0.690%
25	10.369	1404	1408	1409	rBV2	40416	46996	1.85%	0.101%
26	10.510	1428	1432	1437	rBV	630097	522612	20.61%	1.126%
27	10.563	1437	1441	1442	rBV	42836	48079	1.90%	0.104%
28	10.574	1442	1443	1445	rVV	73858	58258	2.30%	0.126%
29	10.598	1445	1447	1450	rVV3	125346	109052	4.30%	0.235%
30	10.645	1453	1455	1457	rVV	68345	64731	2.55%	0.140%
31	10.669	1457	1459	1462	rVB	126103	96730	3.82%	0.208%
32	10.751	1469	1473	1477	rVB	1579517	1376785	54.31%	2.967%
33	10.857	1489	1491	1493	rBV2	61228	67623	2.67%	0.146%
34	11.057	1519	1525	1528	rBV3	108154	140874	5.56%	0.304%

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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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35	11.086	1528	1530	1533	rVV2	59415	53498	2.11%	0.115%
36	11.145	1537	1540	1542	rVB2	42866	43016	1.70%	0.093%
37	11.186	1542	1547	1548	rBV2	52838	67177	2.65%	0.145%
38	11.210	1548	1551	1553	rVV2	53479	61508	2.43%	0.133%
39	11.251	1555	1558	1562	rVV	92595	87021	3.43%	0.188%
40	11.310	1562	1568	1571	rVV3	90788	129023	5.09%	0.278%
41	11.345	1571	1574	1579	rVB	174333	172928	6.82%	0.373%
42	11.451	1588	1592	1594	rBV	1126963	1032246	40.72%	2.225%
43	11.480	1594	1597	1600	rVV	2803206	2396890	94.54%	5.166%
44	11.527	1602	1605	1608	rVV	840439	659200	26.00%	1.421%
45	11.557	1608	1610	1613	rVB	77679	65993	2.60%	0.142%
46	11.674	1624	1630	1633	rBV2	259506	282362	11.14%	0.609%
47	11.745	1637	1642	1646	rVV5	49847	77938	3.07%	0.168%
48	11.951	1674	1677	1678	rVV	267952	231860	9.15%	0.500%
49	11.980	1679	1682	1685	rVV	387131	413667	16.32%	0.892%
50	12.027	1686	1690	1693	rVV	169644	153973	6.07%	0.332%
51	12.068	1693	1697	1699	rVV	411161	469476	18.52%	1.012%
52	12.086	1699	1700	1704	rVB	172149	96004	3.79%	0.207%
53	12.151	1708	1711	1713	rVB3	46909	50790	2.00%	0.109%
54	12.245	1724	1727	1729	rBV	195529	165128	6.51%	0.356%
55	12.268	1729	1731	1735	rVV	111607	88880	3.51%	0.192%
56	12.498	1767	1770	1773	rBV	116583	128225	5.06%	0.276%
57	12.533	1773	1776	1779	rVV2	68132	86528	3.41%	0.186%
58	12.586	1782	1785	1790	rVB3	68042	79774	3.15%	0.172%
59	12.668	1794	1799	1802	rBV	2518927	2196207	86.63%	4.733%
60	12.751	1811	1813	1817	rBV2	153158	134554	5.31%	0.290%
61	12.815	1822	1824	1827	rVV	82344	72856	2.87%	0.157%
62	12.845	1827	1829	1831	rVB2	64057	50550	1.99%	0.109%
63	12.898	1831	1838	1843	rBV	2095633	2313375	91.25%	4.986%
64	12.939	1843	1845	1850	rVB2	113207	139919	5.52%	0.302%
65	13.033	1854	1861	1867	rVB	1951243	1921237	75.78%	4.141%
66	13.110	1869	1874	1877	rBV2	124162	214695	8.47%	0.463%
67	13.139	1877	1879	1881	rVB	59547	45123	1.78%	0.097%
68	13.198	1886	1889	1890	rVV2	83739	93269	3.68%	0.201%
69	13.221	1890	1893	1896	rVB	380278	343475	13.55%	0.740%
70	13.257	1896	1899	1901	rBV2	83013	83542	3.30%	0.180%
71	13.286	1901	1904	1907	rBV	311127	249146	9.83%	0.537%

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72	13.321	1907	1910	1913	rBV2	181445	206013	8.13%	0.444%
73	13.351	1913	1915	1918	rVB	80922	66574	2.63%	0.143%
74	13.415	1923	1926	1929	rBV	97700	88607	3.49%	0.191%
75	13.445	1929	1931	1935	rBV2	94766	99940	3.94%	0.215%
76	13.598	1954	1957	1959	rBV2	79549	99723	3.93%	0.215%
77	13.704	1972	1975	1976	rBV2	55392	59161	2.33%	0.127%
78	13.727	1976	1979	1983	rVB	104482	133767	5.28%	0.288%
79	13.839	1994	1998	2001	rBV3	162315	202574	7.99%	0.437%
80	13.868	2001	2003	2005	rVV	185248	152578	6.02%	0.329%
81	13.892	2005	2007	2010	rVV2	146104	208371	8.22%	0.449%
82	13.927	2010	2013	2020	rVB3	204349	295961	11.67%	0.638%
83	14.086	2033	2040	2043	rBV3	1472927	2194241	86.55%	4.729%
84	14.115	2043	2045	2052	rVB	926426	868481	34.26%	1.872%
85	14.198	2056	2059	2062	rVV	232968	172757	6.81%	0.372%
86	14.309	2075	2078	2082	rBV2	111116	142982	5.64%	0.308%
87	14.439	2098	2100	2102	rBV2	65762	57967	2.29%	0.125%
88	14.474	2102	2106	2109	rVV	212399	231871	9.15%	0.500%
89	14.509	2109	2112	2115	rVV	104870	100349	3.96%	0.216%
90	14.551	2116	2119	2121	rVV3	96397	131803	5.20%	0.284%
91	14.598	2125	2127	2129	rVV	99929	97103	3.83%	0.209%
92	14.621	2129	2131	2135	rVB4	116073	110492	4.36%	0.238%
93	14.868	2170	2173	2175	rBV2	64263	63827	2.52%	0.138%
94	15.145	2216	2220	2223	rBV	607264	930555	36.70%	2.005%
95	15.256	2235	2239	2242	rVB	135758	148853	5.87%	0.321%
96	15.456	2269	2273	2279	rVB	371439	463425	18.28%	0.999%
97	15.521	2280	2284	2290	rVB	560499	692991	27.33%	1.493%
98	15.586	2290	2295	2298	rBV	628559	815008	32.15%	1.756%
99	17.092	2546	2551	2560	rVB2	183348	374772	14.78%	0.808%
100	17.550	2623	2629	2638	rVB	123364	275288	10.86%	0.593%

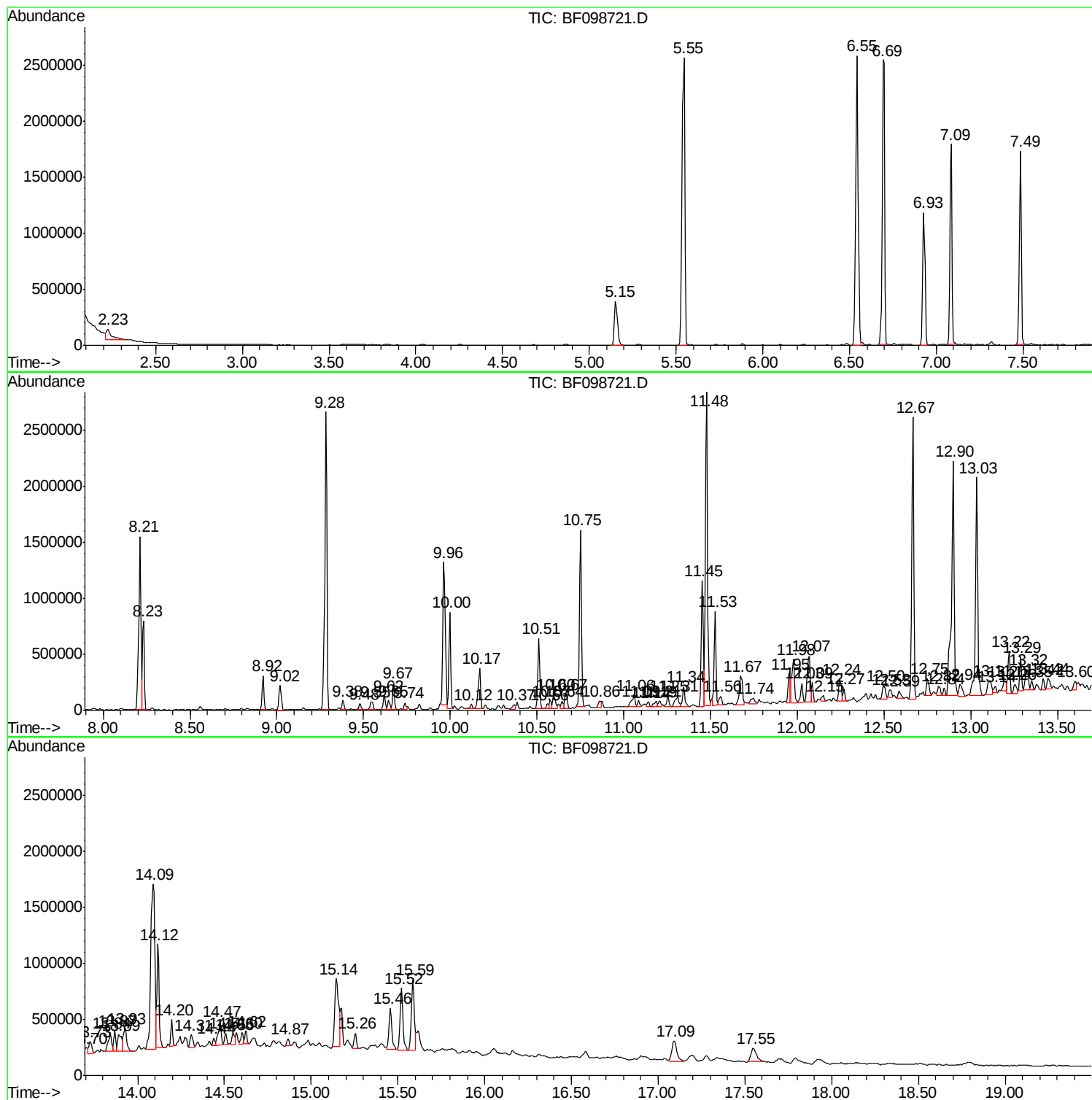
Sum of corrected areas: 46400875

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.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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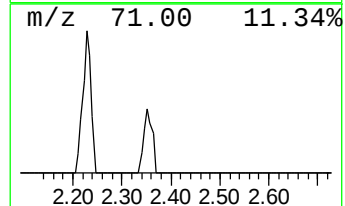
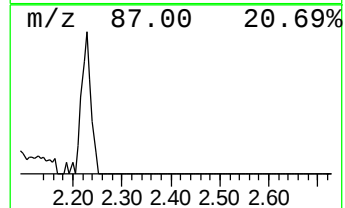
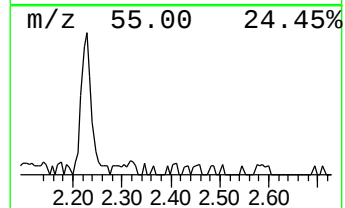
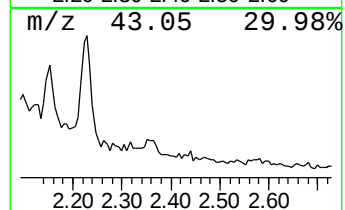
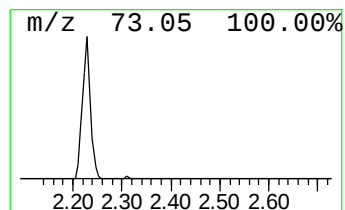
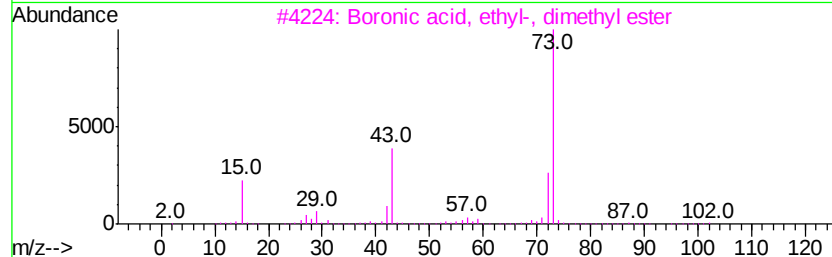
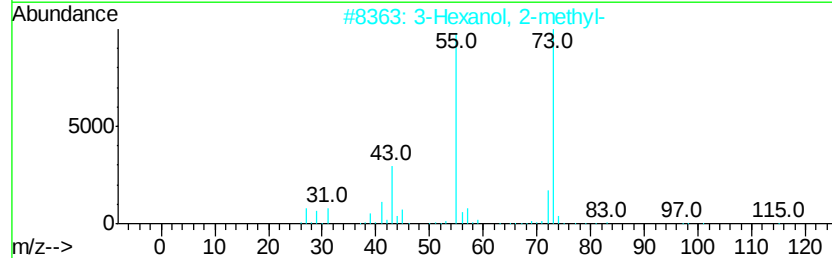
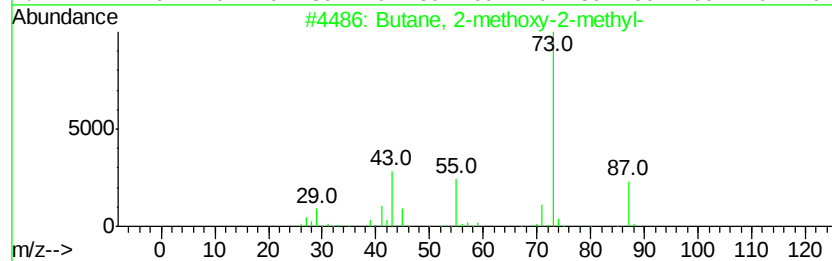
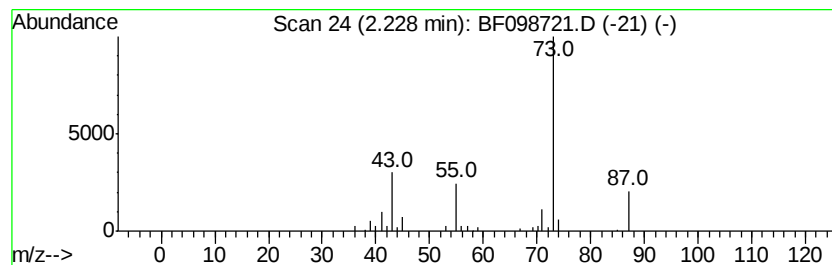
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	4.16 ng	193516	1,4-Dichlorobenzene-d4	6.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
3		Boronic acid, ethyl-, dimethyl e...	102	C4H11B02	007318-82-3	12
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9



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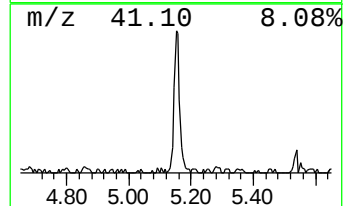
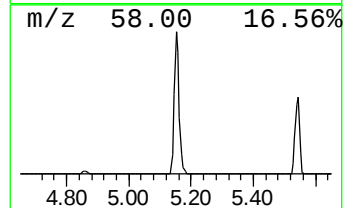
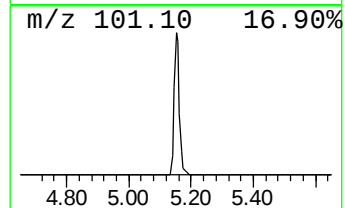
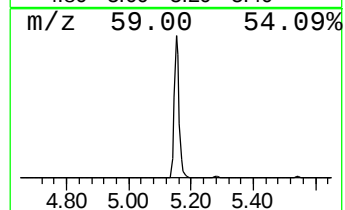
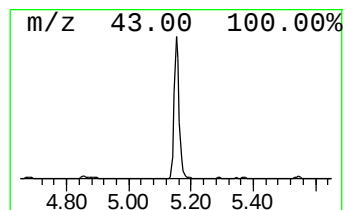
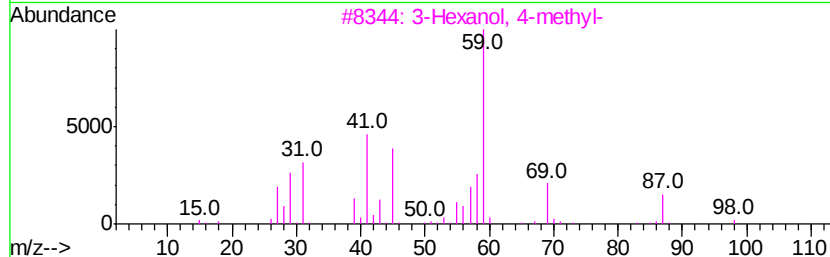
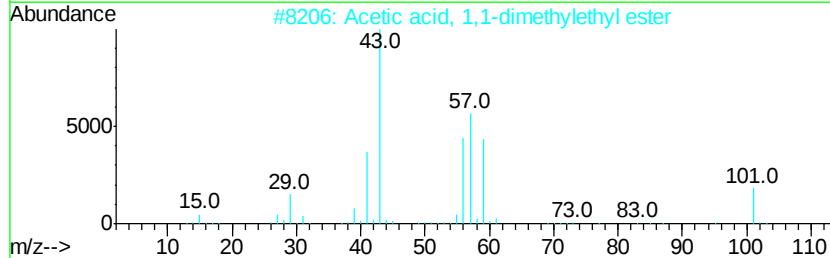
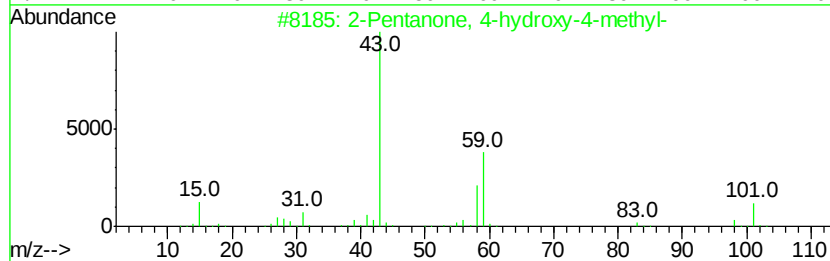
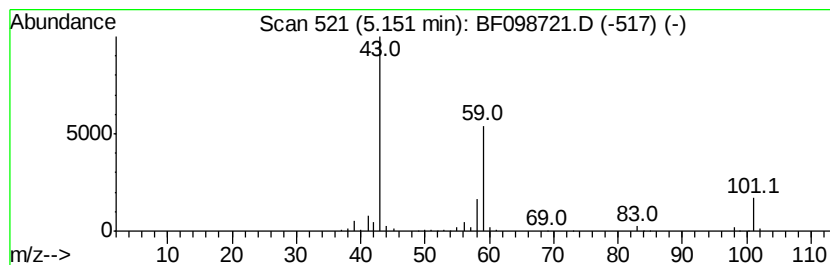
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	9.70 ng	451118	1,4-Dichlorobenzene-d4	6.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			4-Methoxy-1-pentene	100	C6H12O	098386-09-5	25
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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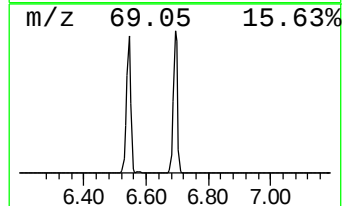
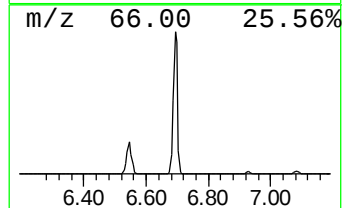
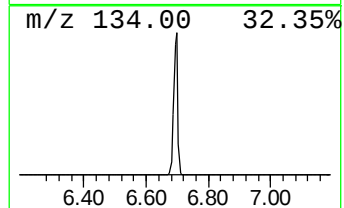
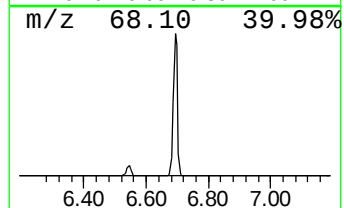
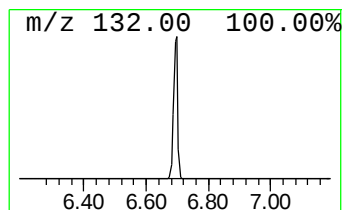
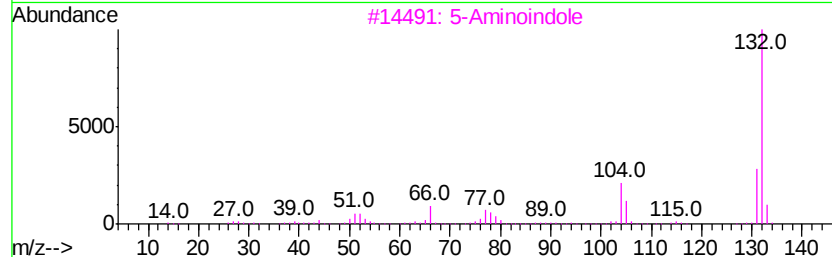
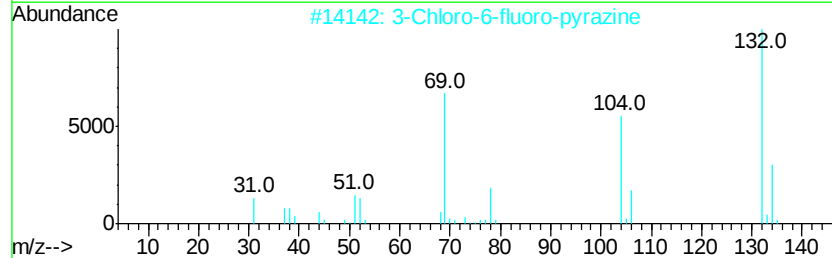
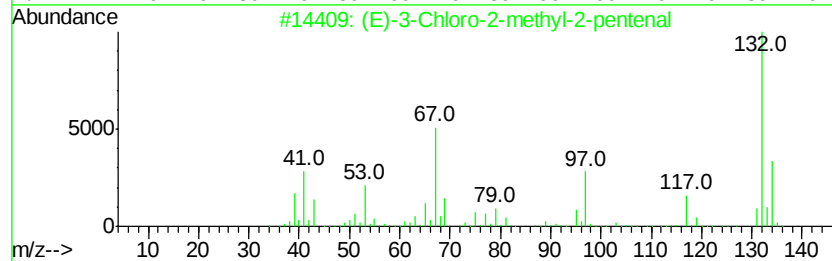
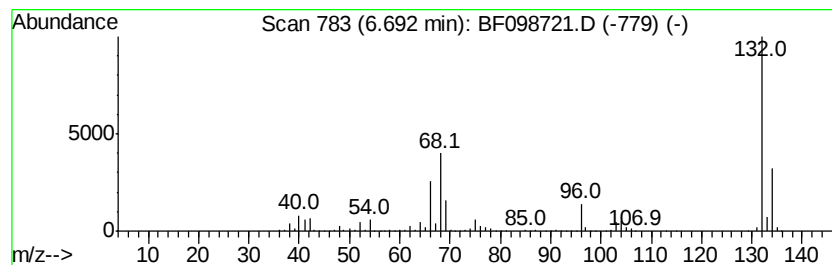
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	54.52 ng	2535270	1,4-Dichlorobenzene-d4	6.93

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17	
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16	
3	5-Aminoindole	132	C8H8N2	005192-03-0	12	
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9	
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098721.D
Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
Sample : I5308-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

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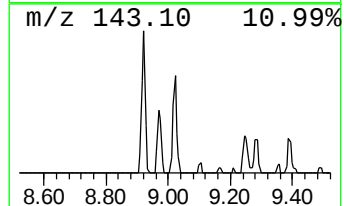
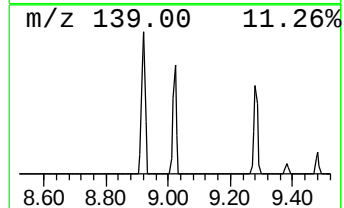
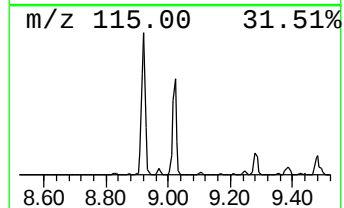
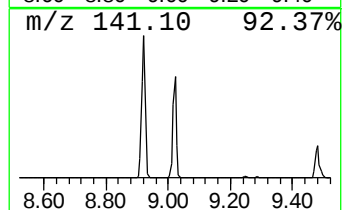
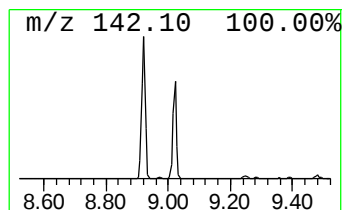
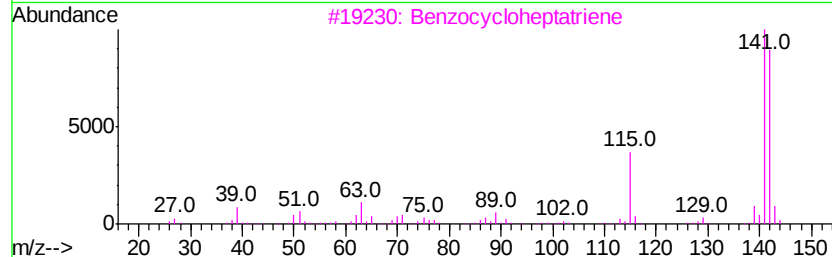
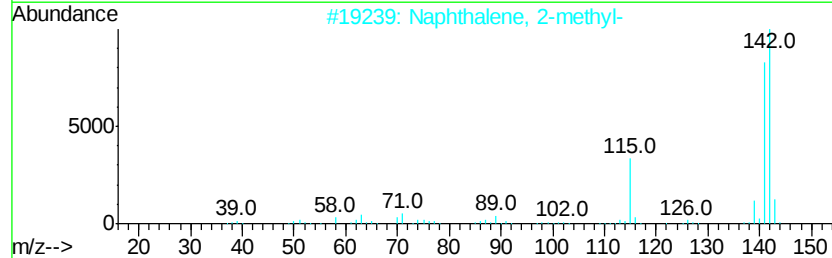
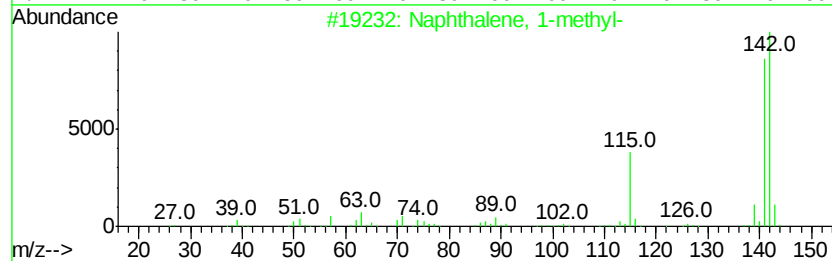
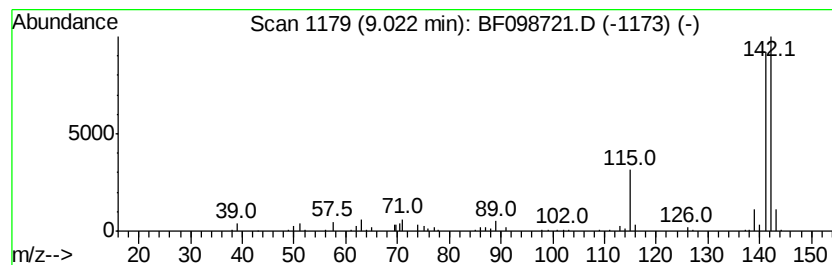
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	2.71 ng	176392	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098721.D
Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
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Misc :
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ClientSampleId :
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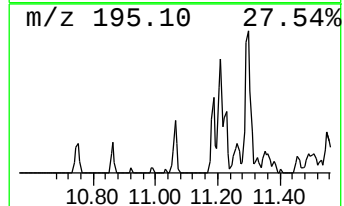
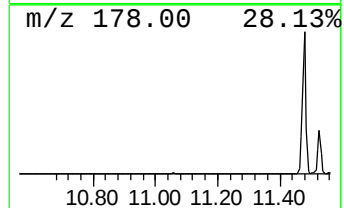
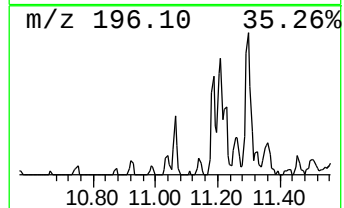
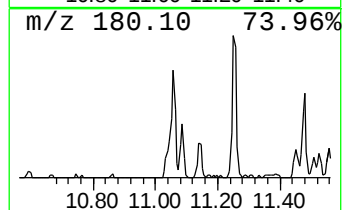
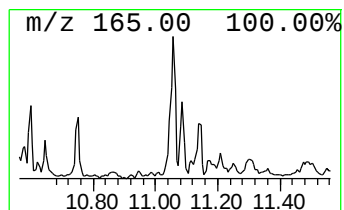
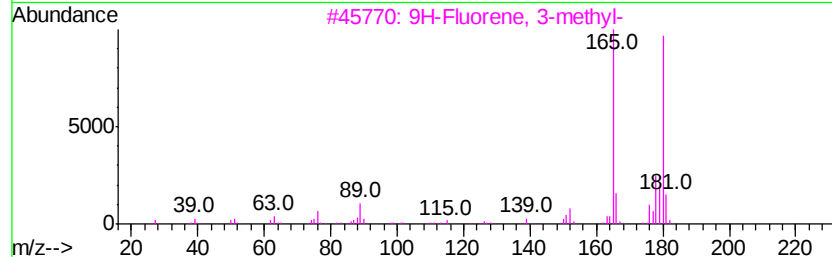
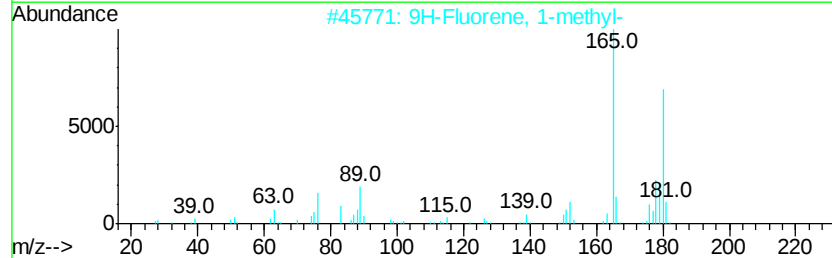
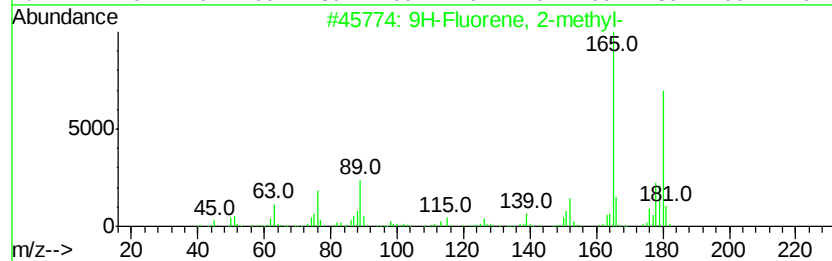
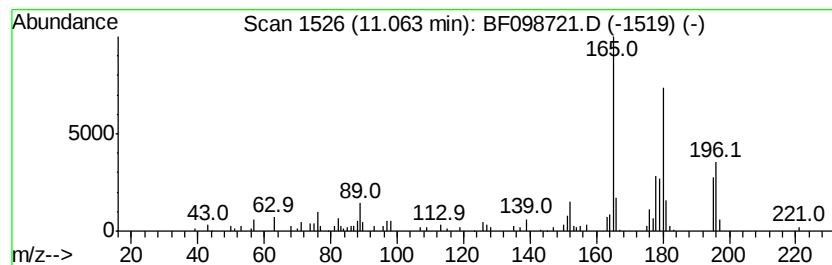
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	2.73 ng	140874	Phenanthrene-d10	11.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098721.D
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Operator : SJ/JU
Sample : I5308-05
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ALS Vial : 20 Sample Multiplier: 1

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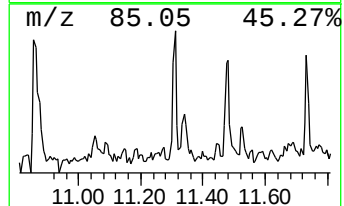
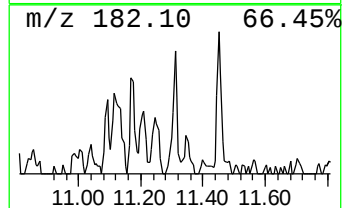
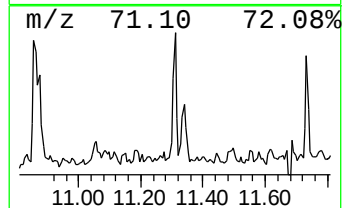
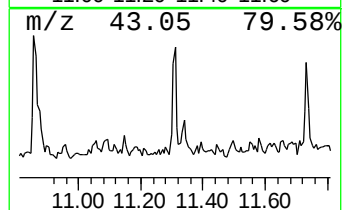
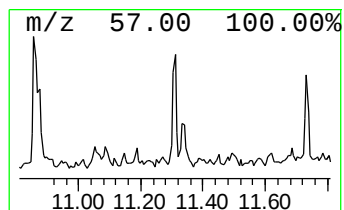
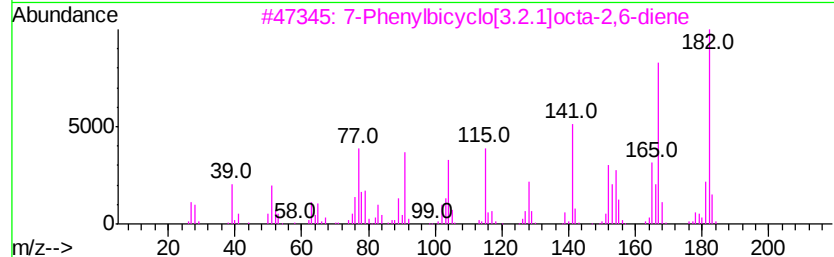
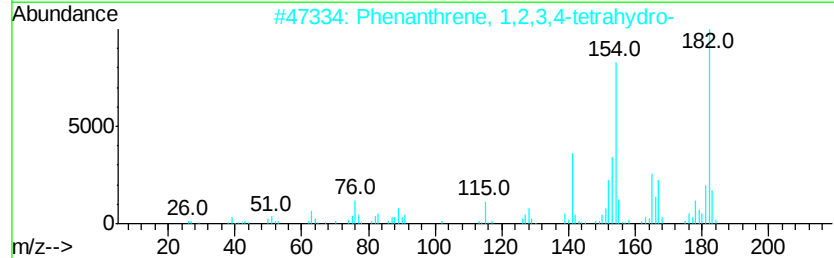
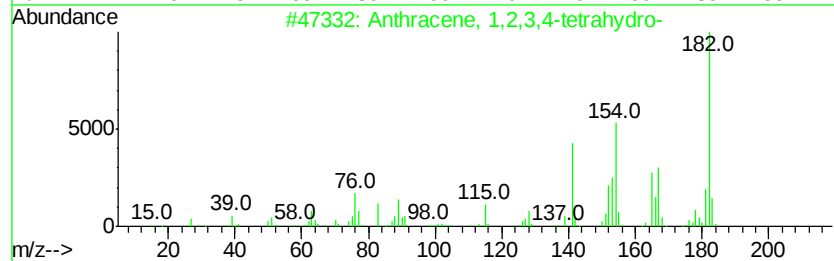
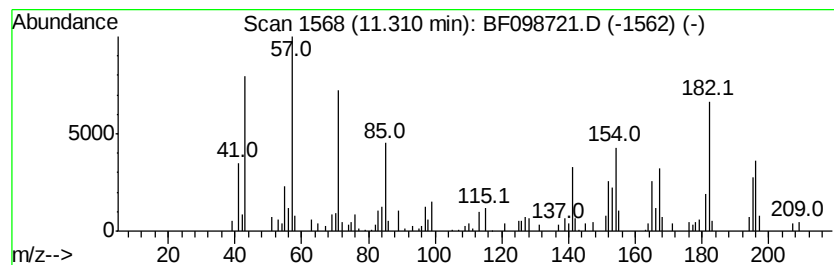
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	2.50 ng	129023	Phenanthrene-d10	11.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	83
2			Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	45
3			7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	35
4			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	25
5			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	20



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098721.D
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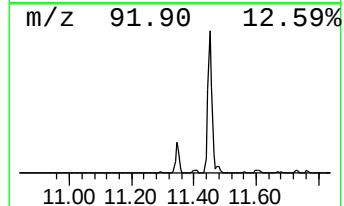
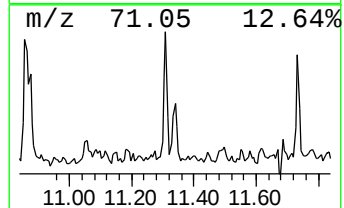
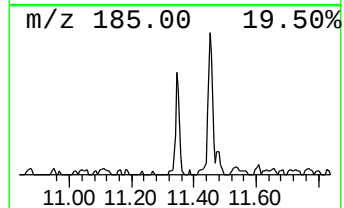
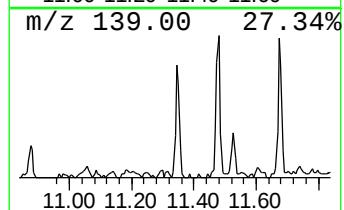
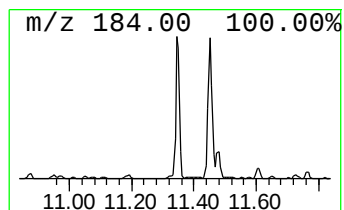
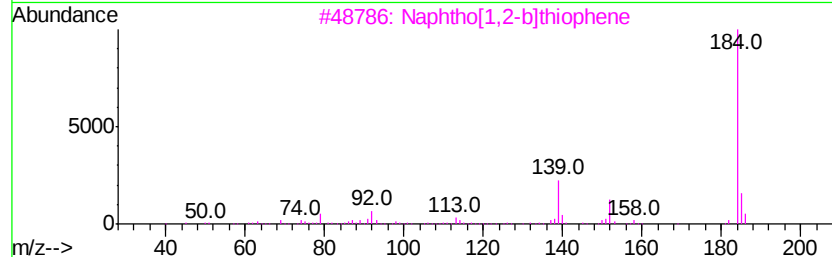
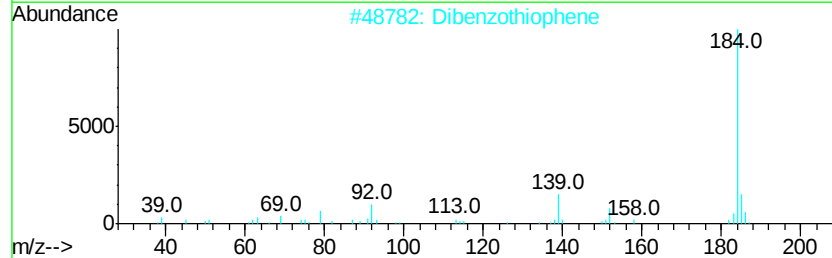
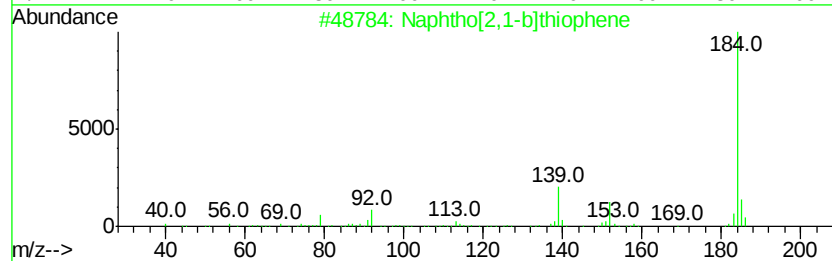
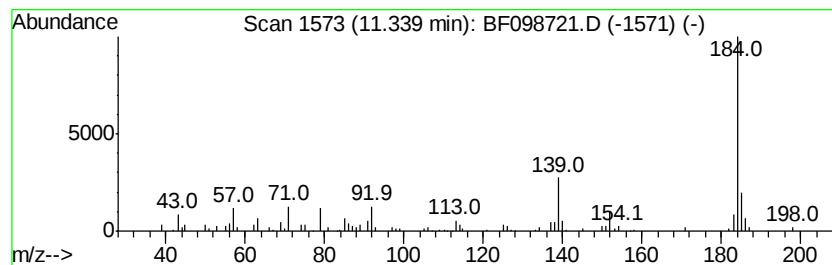
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.34	3.35 ng	172928	Phenanthrene-d10		11.45		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2			Dibenzothiophene	184	C12H8S	000132-65-0	96
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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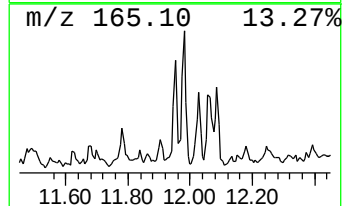
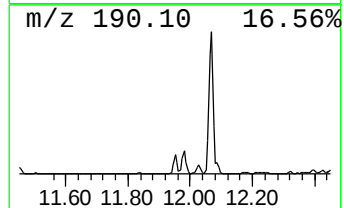
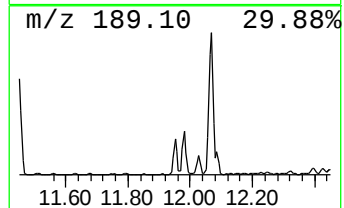
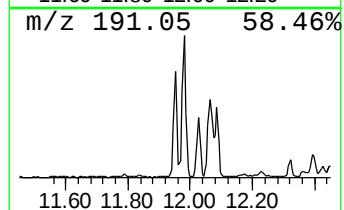
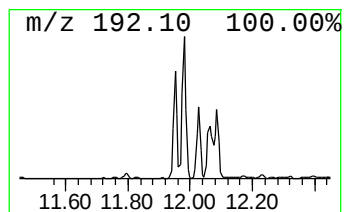
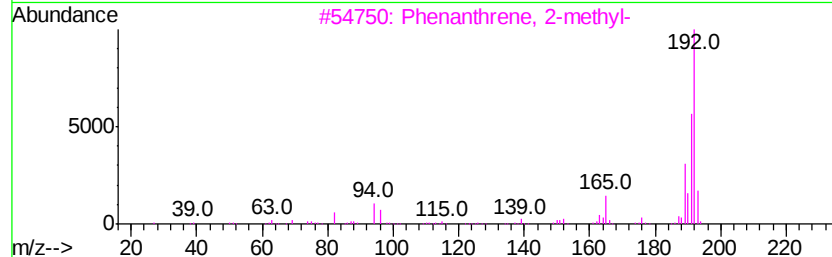
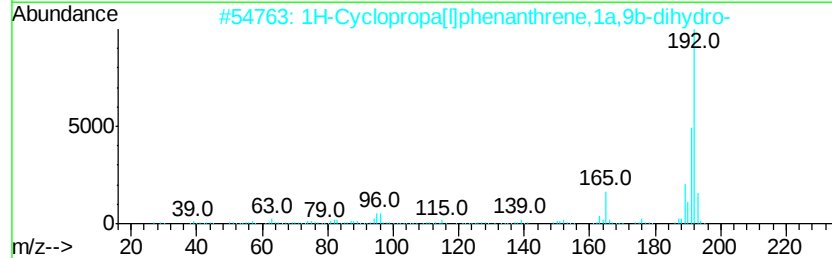
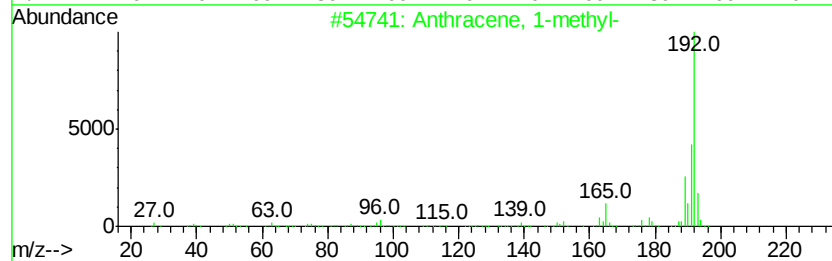
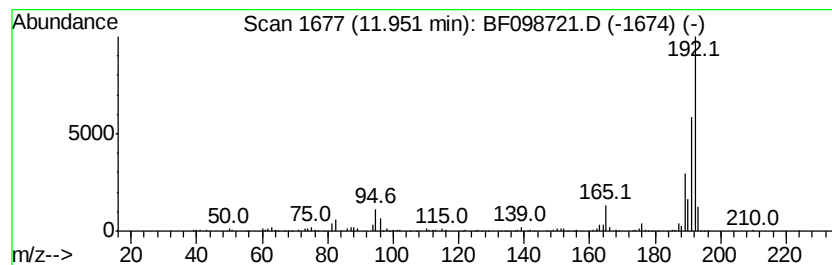
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	4.49 ng	231860	Phenanthrene-d10	11.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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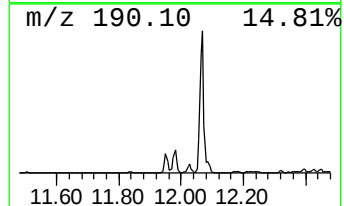
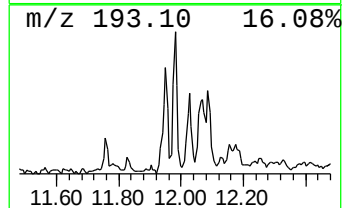
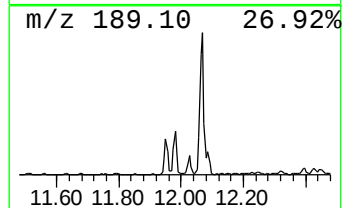
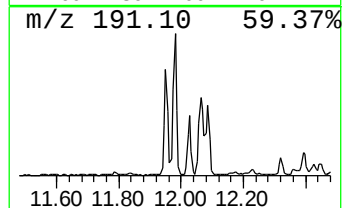
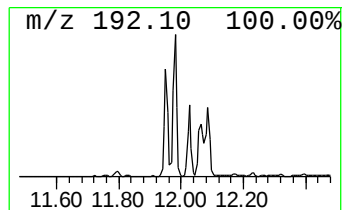
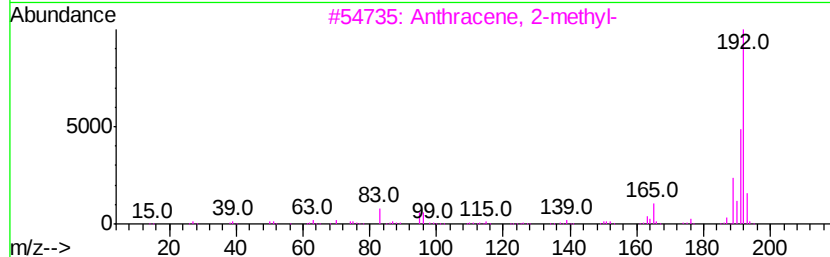
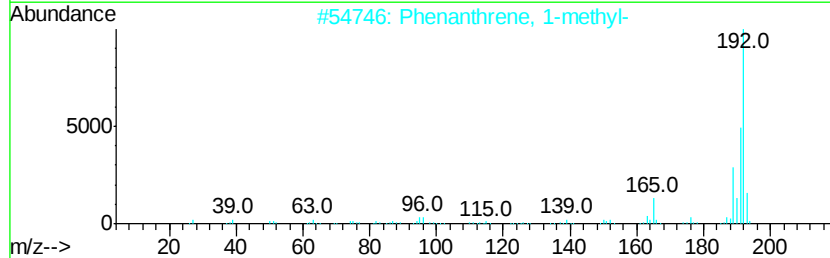
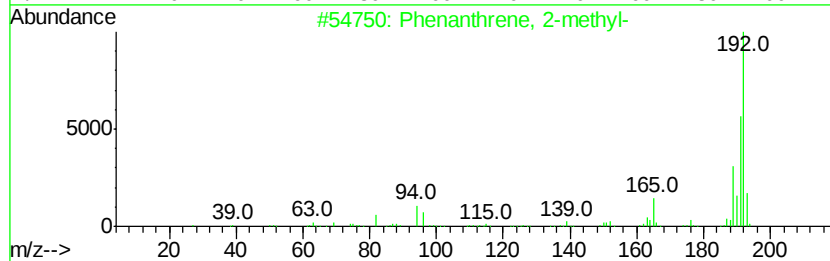
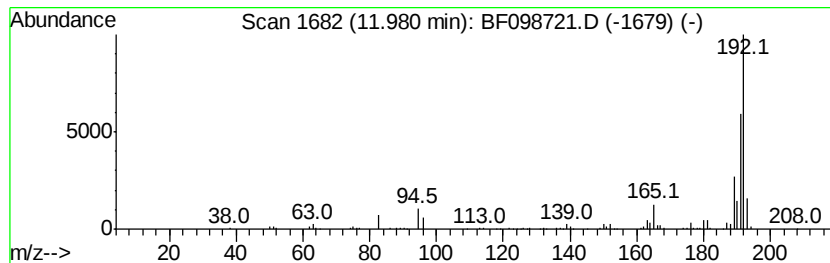
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.	
11.98	8.01 ng	413667	Phenanthrene-d10	11.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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ALS Vial : 20 Sample Multiplier: 1

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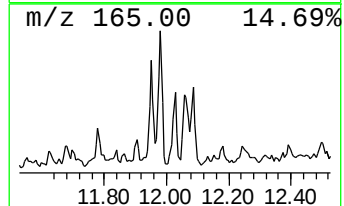
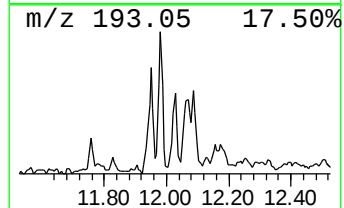
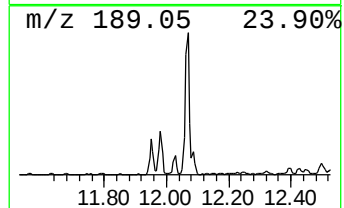
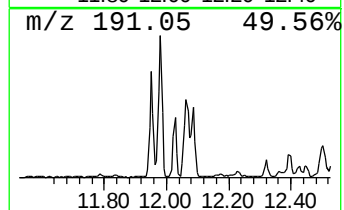
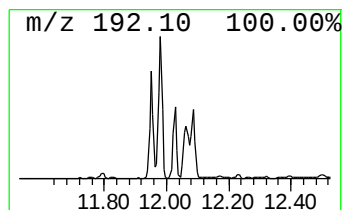
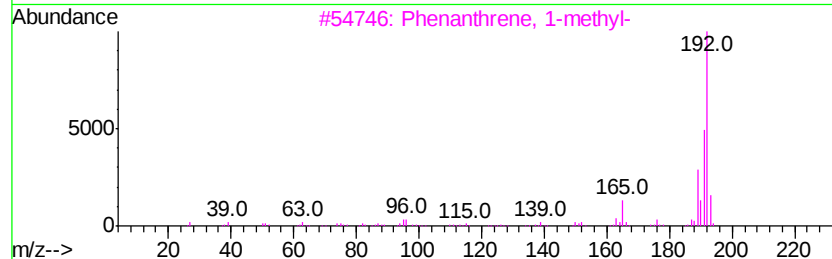
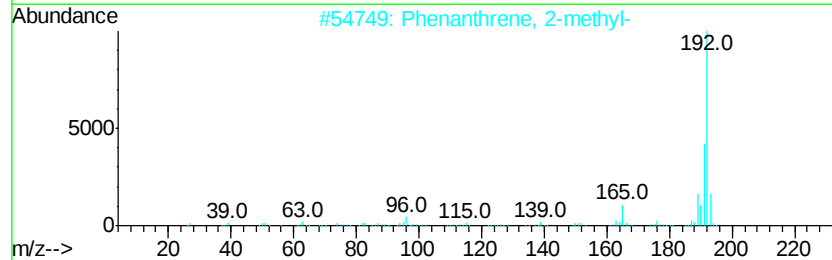
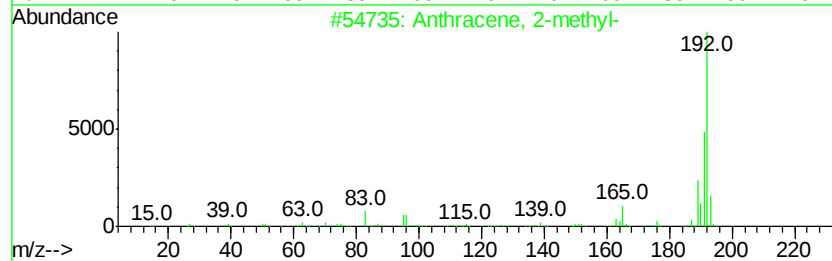
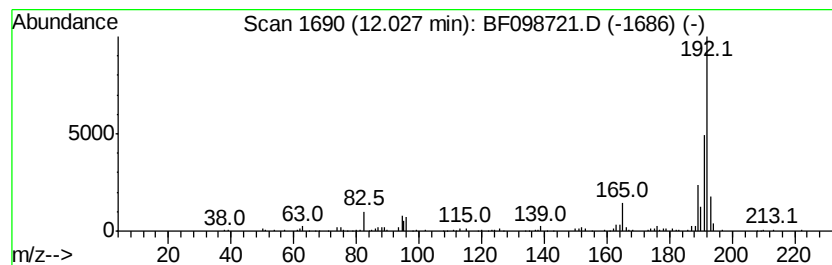
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.98 ng	153973	Phenanthrene-d10	11.45

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	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098721.D
Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
Sample : I5308-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

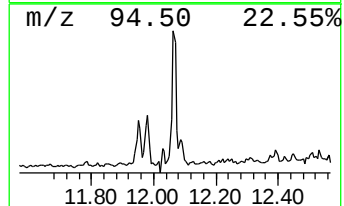
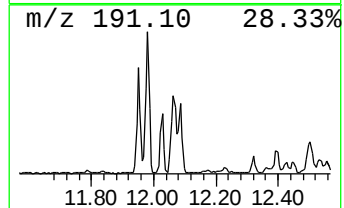
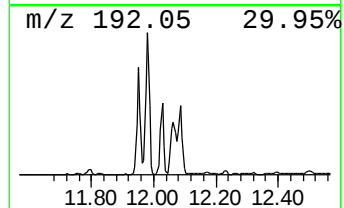
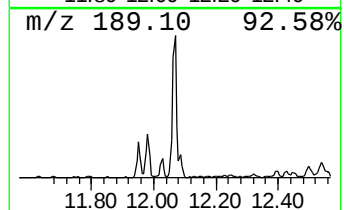
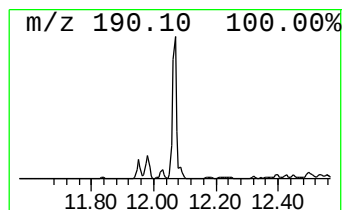
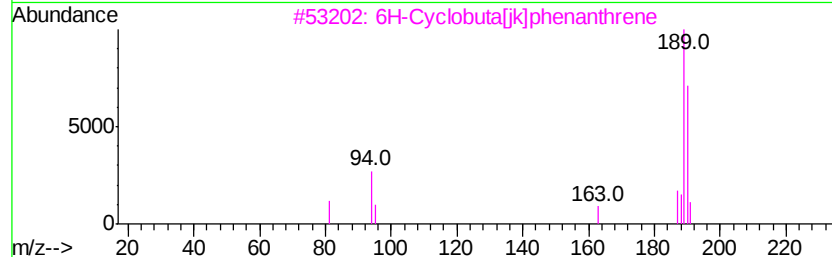
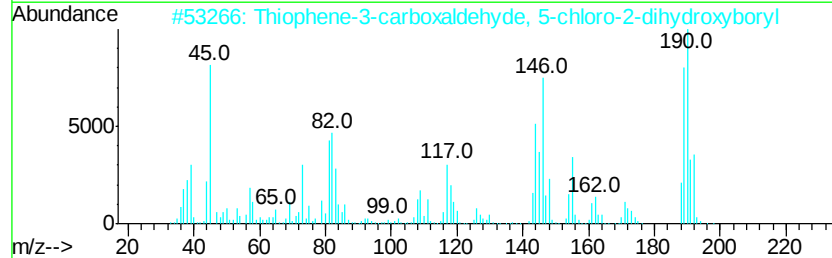
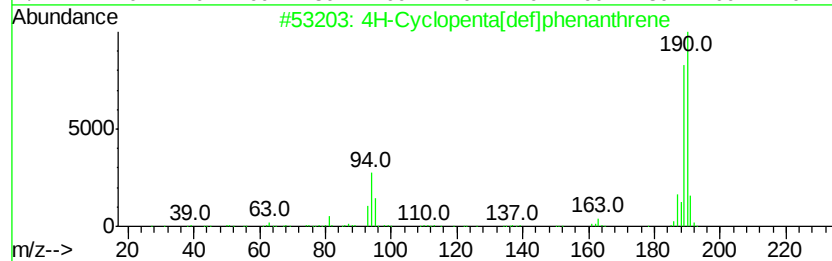
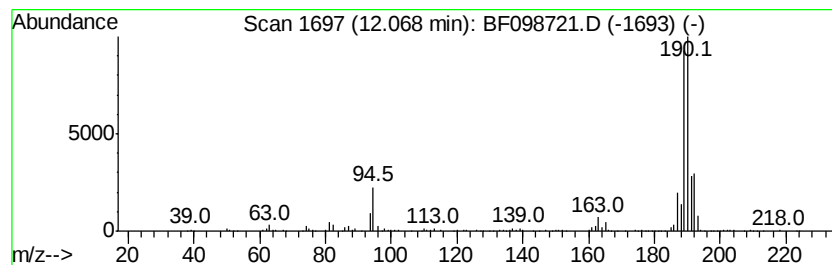
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.07	9.10 ng	469476	Phenanthrene-d10	11.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
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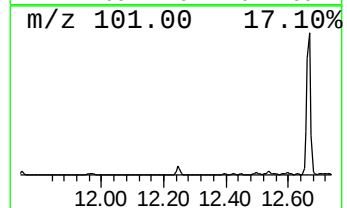
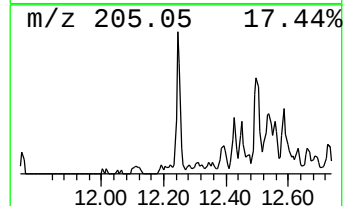
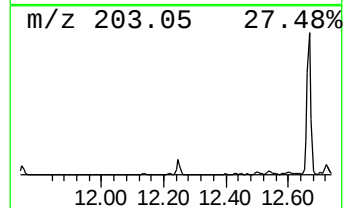
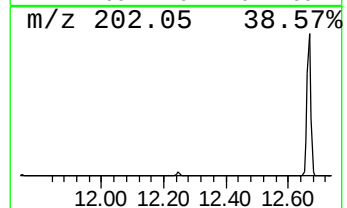
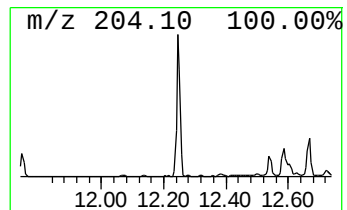
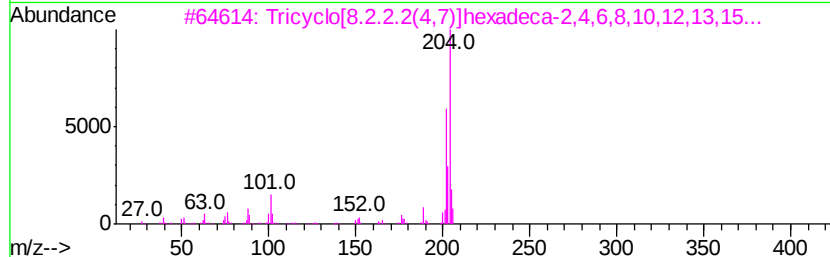
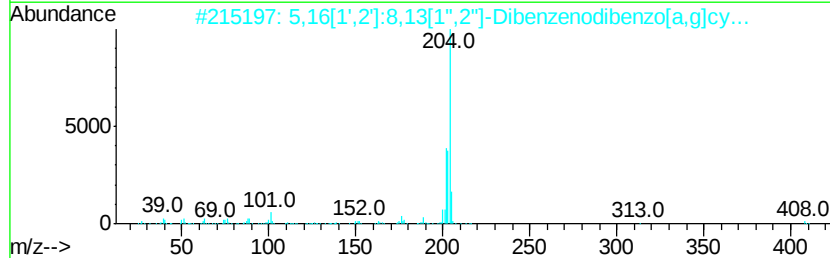
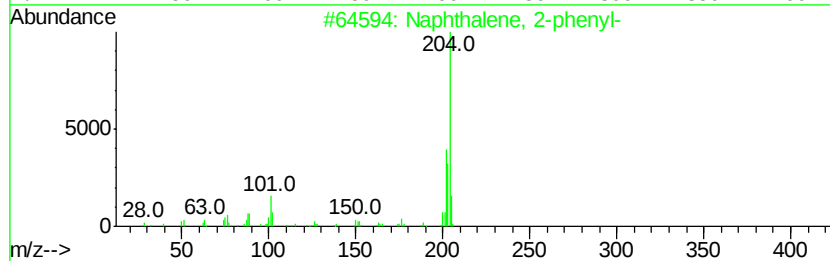
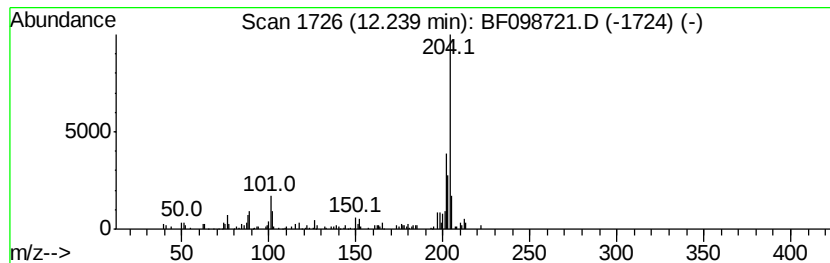
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	3.20 ng	165128	Phenanthrene-d10	11.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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Operator : SJ/JU
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ALS Vial : 20 Sample Multiplier: 1

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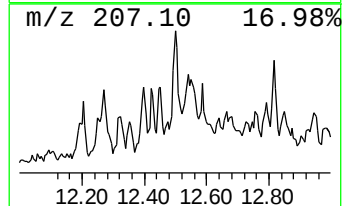
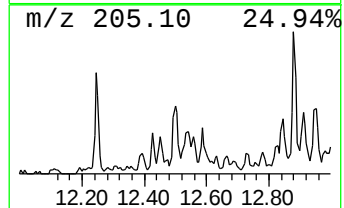
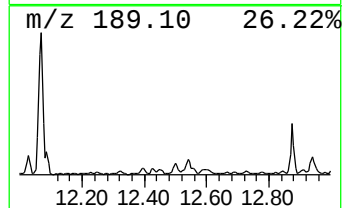
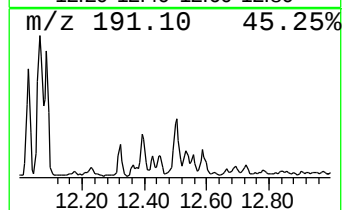
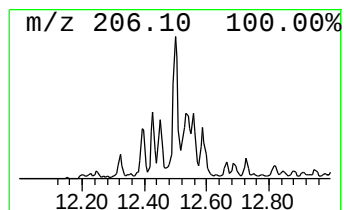
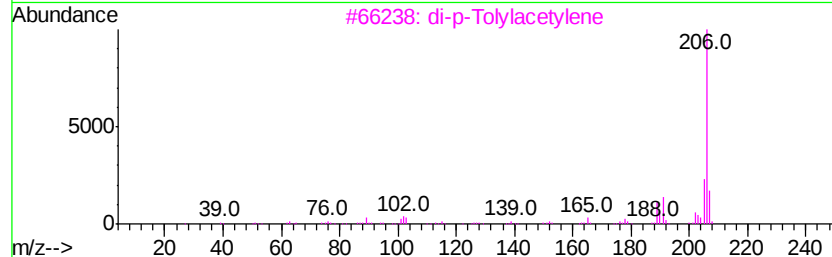
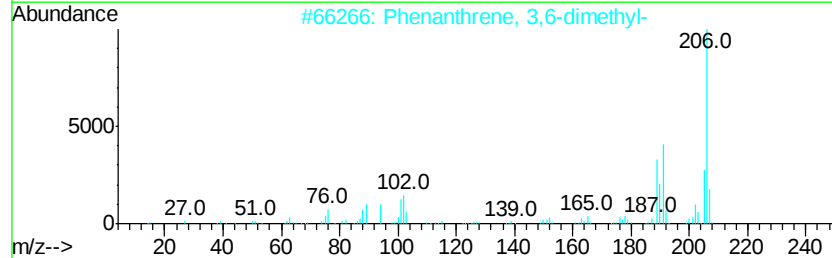
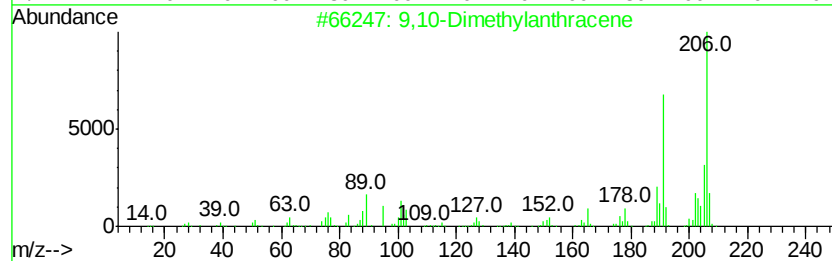
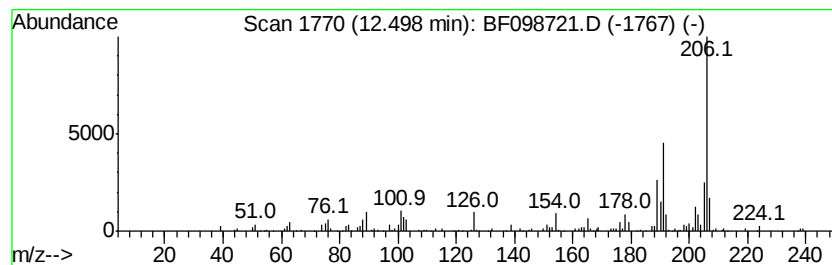
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Dimethylantracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.48 ng	128225	Phenanthrene-d10	11.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
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ALS Vial : 20 Sample Multiplier: 1

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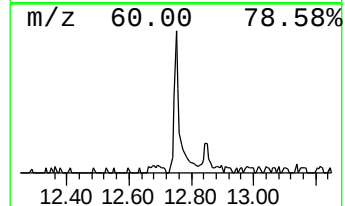
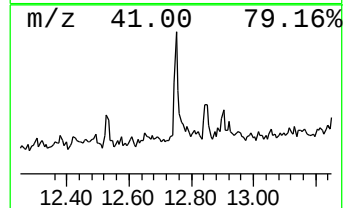
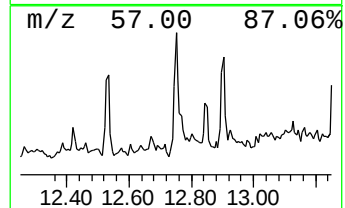
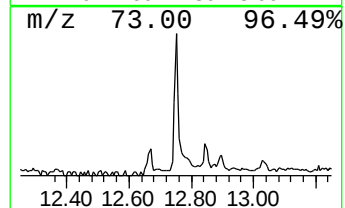
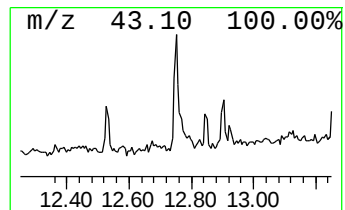
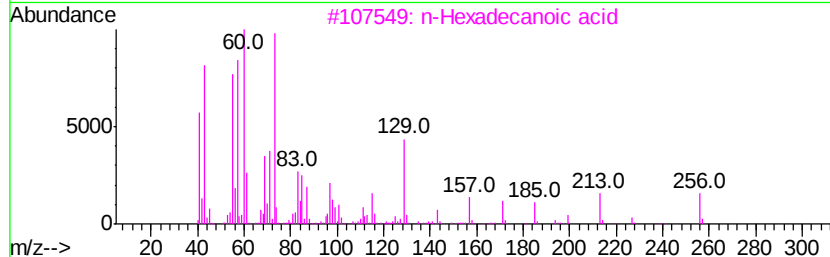
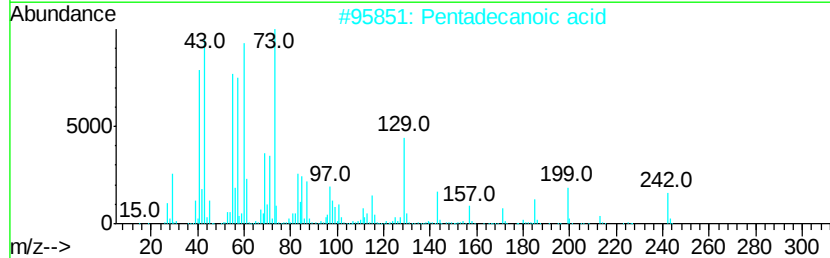
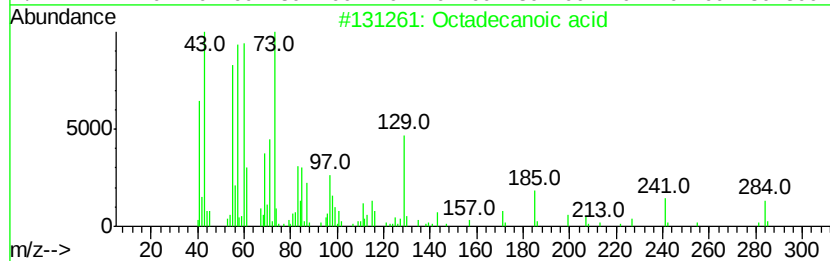
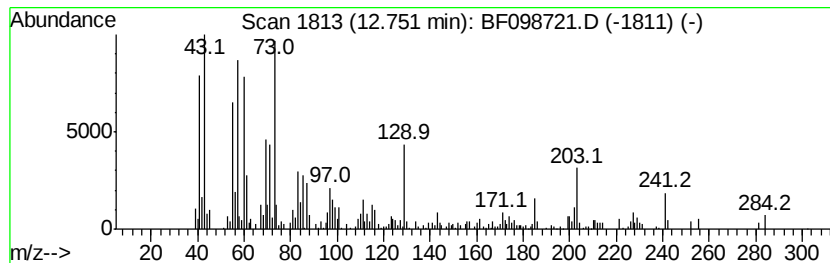
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.61 ng	134554	Phenanthrene-d10	11.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5			Tridecanoic acid	214	C13H26O2	000638-53-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098721.D
Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
Sample : I5308-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

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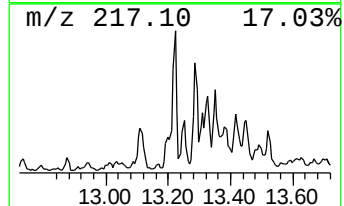
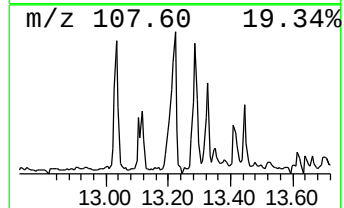
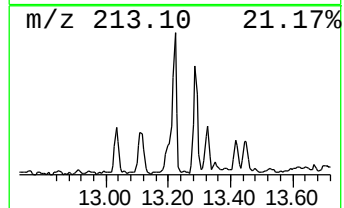
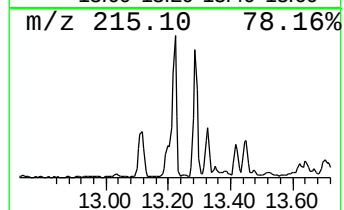
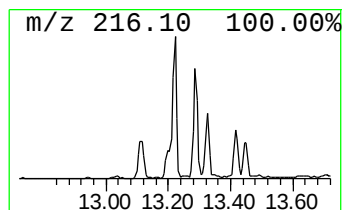
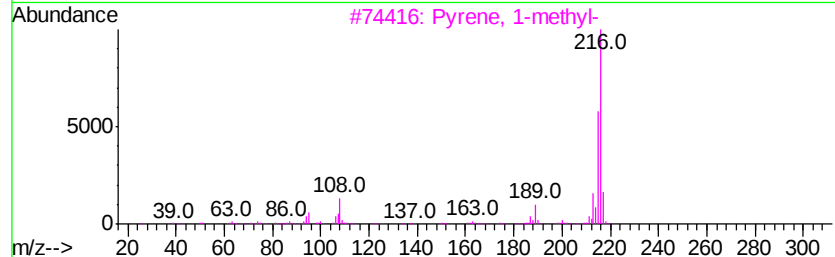
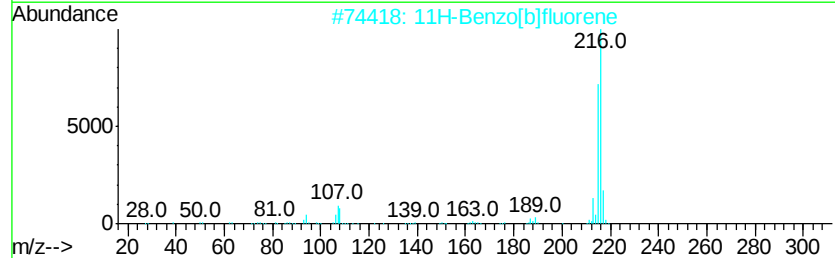
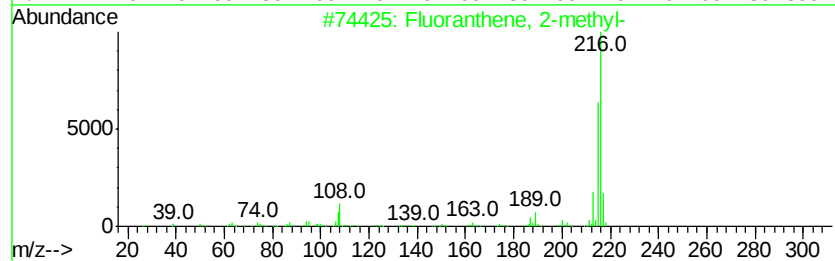
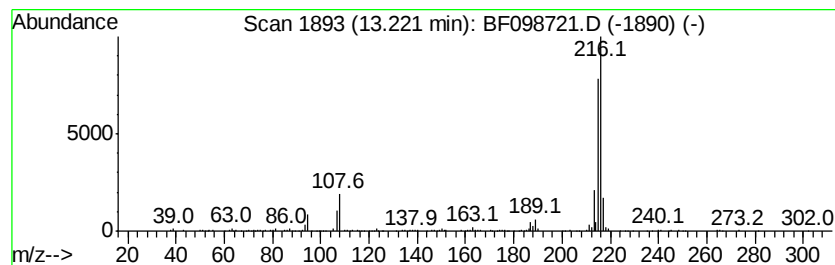
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.13 ng	343475	Chrysene-d12	14.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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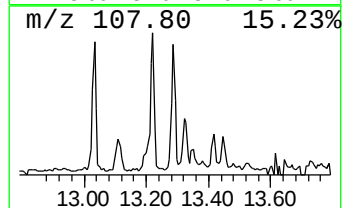
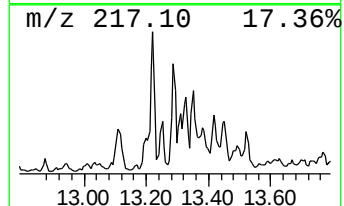
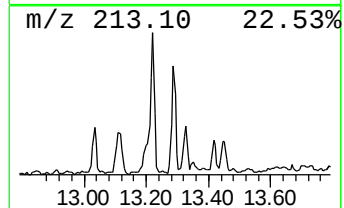
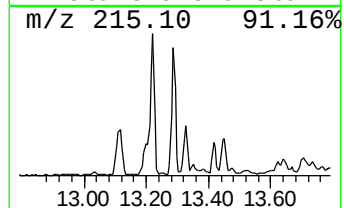
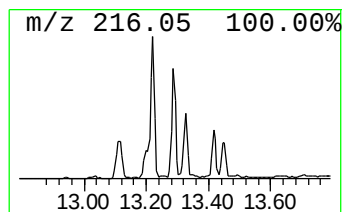
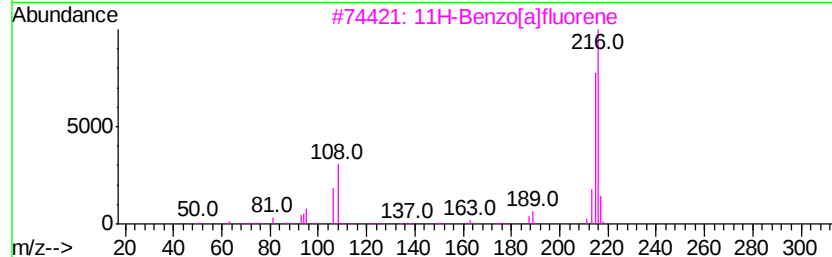
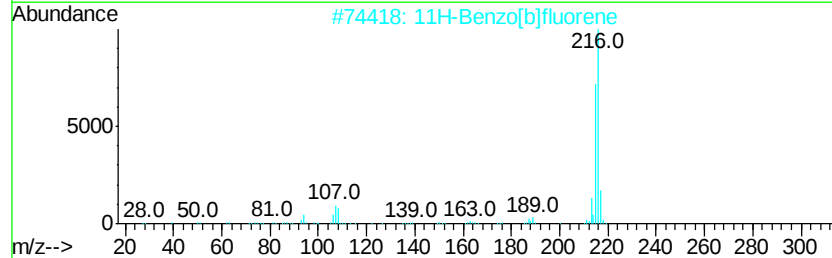
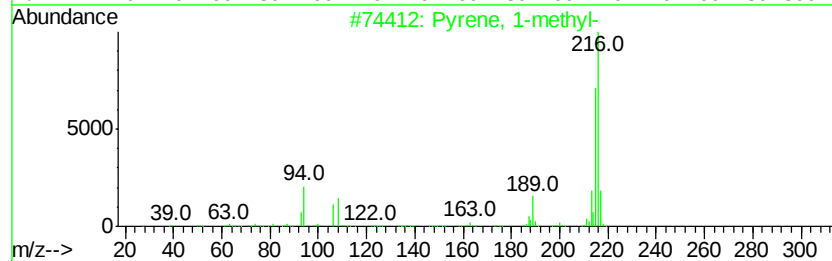
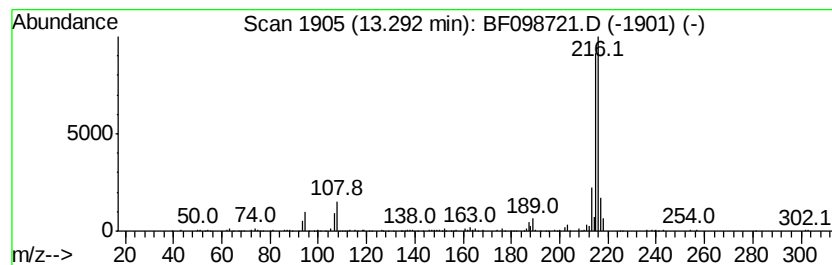
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.29	2.27 ng	249146	Chrysene-d12		14.09
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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

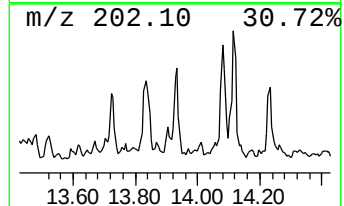
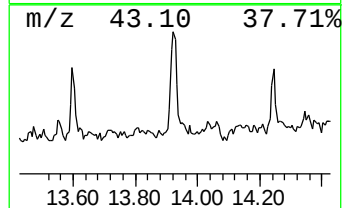
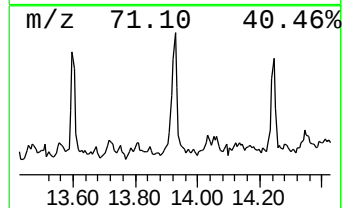
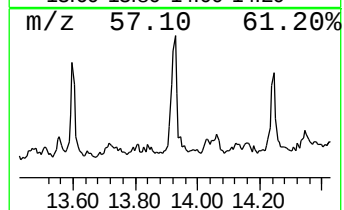
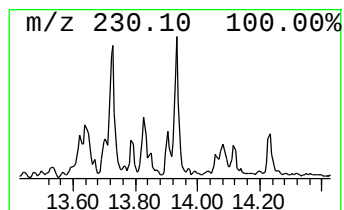
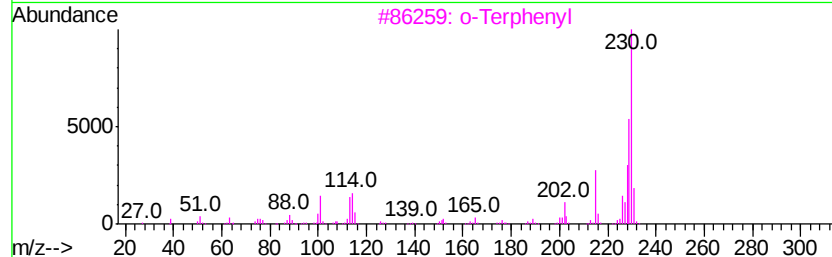
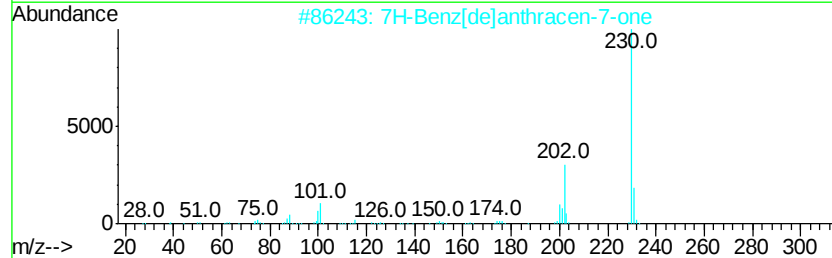
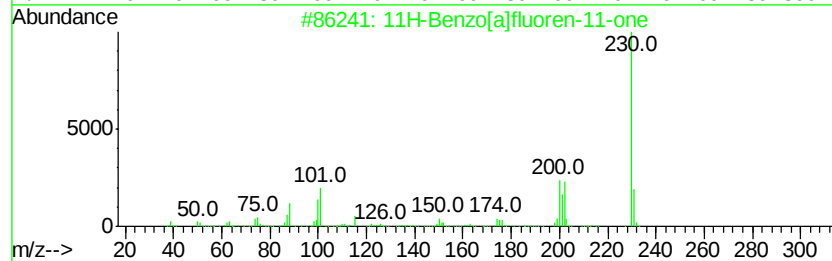
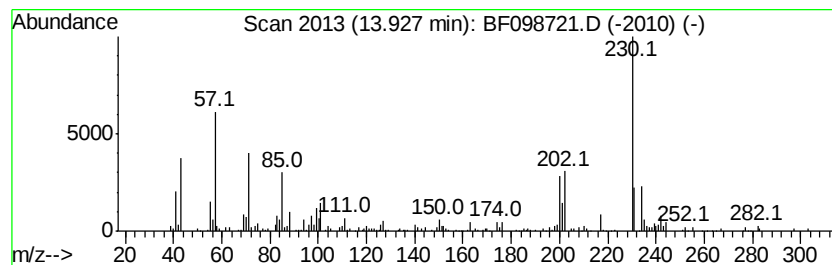
Instrument :
BNA_F
ClientSampleId :
220-1-(O-U)-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
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]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.93	2.70 ng	295961	Chrysene-d12	14.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[alfluoren-11-one	230	C17H10O	000479-79-8	60
2		7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	46
3		o-Terphenyl	230	C18H14	000084-15-1	35
4		4,4'-Stilbenedicarbonitrile	230	C16H10N2	006292-62-2	30
5		Eicosane	282	C20H42	000112-95-8	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098721.D
Acq On : 23 Sep 2017 2:56
Operator : SJ/JU
Sample : I5308-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

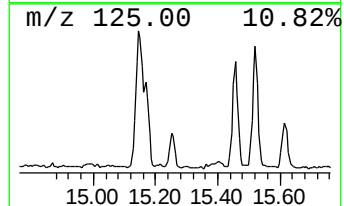
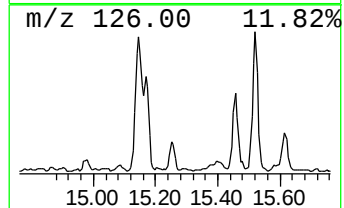
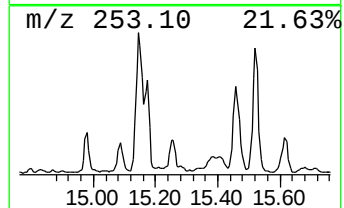
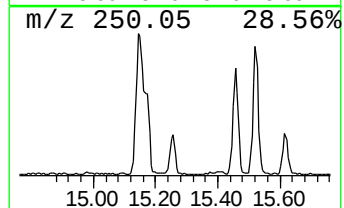
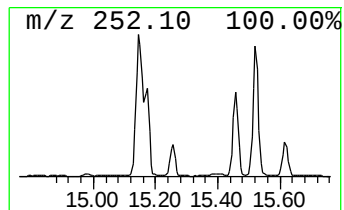
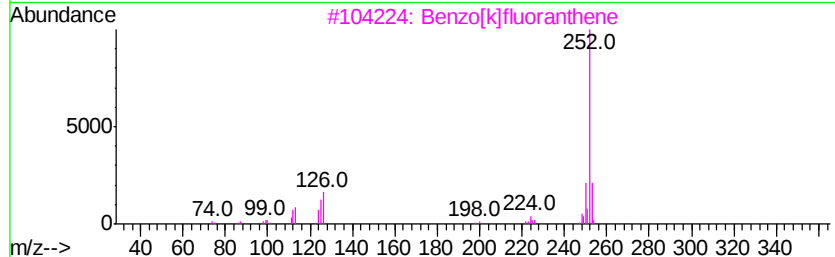
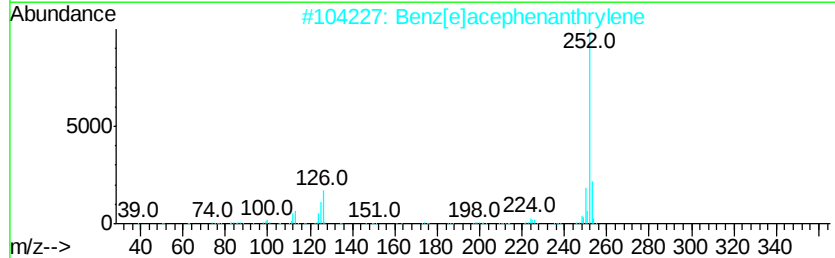
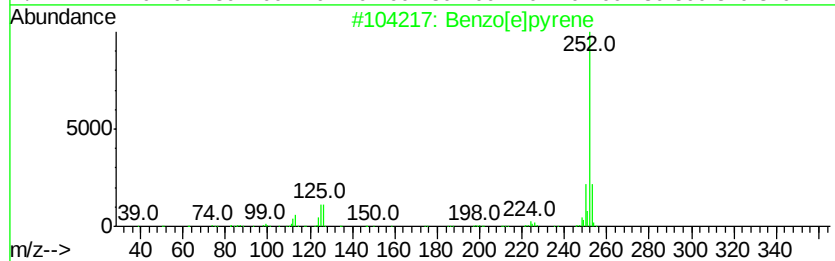
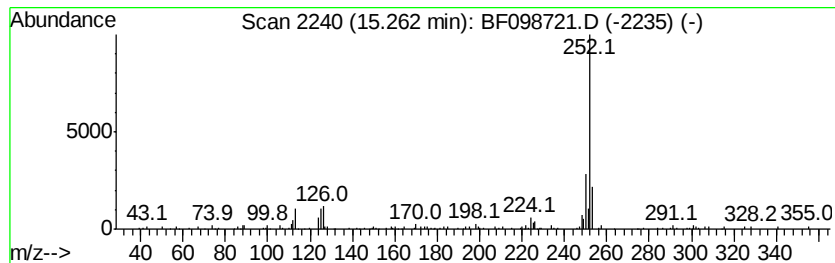
Instrument :
BNA_F
ClientSampleId :
220-1-(O-U)-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
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 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	3.65 ng	148853	Perylene-d12	15.59
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]bpvrene	252 C20H12	000192-97-2 96
2		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 95
3		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93
4		Benzo[a]bpvrene	252 C20H12	000050-32-8 90
5		Perylene	252 C20H12	000198-55-0 87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
 Data File : BF098721.D
 Acq On : 23 Sep 2017 2:56
 Operator : SJ/JU
 Sample : I5308-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 220-1-(O-U)-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.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
Butane, 2-methoxy...	2.23	4.2 ng		193516	1	6.93	930113	20.0
2-Pentanone, 4-hy...	5.15	9.7 ng		451118	1	6.93	930113	20.0
unknown6.69	6.69	54.5 ng		2535270	1	6.93	930113	20.0
Naphthalene, 1-me...	9.02	2.7 ng		176392	2	8.21	1303820	20.0
9H-Fluorene, 2-me...	11.06	2.7 ng		140874	4	11.45	1032250	20.0
Anthracene, 1,2,3...	11.31	2.5 ng		129023	4	11.45	1032250	20.0
Naphtho[2,1-b]thi...	11.34	3.4 ng		172928	4	11.45	1032250	20.0
Anthracene, 1-met...	11.95	4.5 ng		231860	4	11.45	1032250	20.0
Phenanthrene, 2-m...	11.98	8.0 ng		413667	4	11.45	1032250	20.0
Anthracene, 2-met...	12.03	3.0 ng		153973	4	11.45	1032250	20.0
4H-Cyclopenta[def...	12.07	9.1 ng		469476	4	11.45	1032250	20.0
Naphthalene, 2-ph...	12.24	3.2 ng		165128	4	11.45	1032250	20.0
9,10-Dimethylanth...	12.50	2.5 ng		128225	4	11.45	1032250	20.0
Octadecanoic acid	12.75	2.6 ng		134554	4	11.45	1032250	20.0
Fluoranthene, 2-m...	13.22	3.1 ng		343475	5	14.09	2194240	20.0
Pyrene, 1-methyl-	13.29	2.3 ng		249146	5	14.09	2194240	20.0
11H-Benzo[a]fluor...	13.93	2.7 ng		295961	5	14.09	2194240	20.0
Benzo[e]pyrene	15.26	3.6 ng		148853	6	15.59	815008	20.0