

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097292.D
 Acq On : 2 Aug 2017 23:57
 Operator : SJ/JU
 Sample : I4540-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12020

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-BF072517.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	4.581	454	458	473	rVB	298969	431644	12.74%	0.819%
2	5.051	535	538	557	rBV	1556063	1815759	53.59%	3.446%
3	6.122	716	720	734	rBV	1823778	1766610	52.14%	3.352%
4	6.222	734	737	745	rVB	1696262	1724645	50.90%	3.273%
5	6.451	772	776	784	rBV	865531	772702	22.81%	1.466%
6	6.604	798	802	817	rBV	1477684	1352053	39.90%	2.566%
7	7.022	869	873	880	rBV	1018091	1043411	30.79%	1.980%
8	7.734	990	994	997	rBV	1232674	1011551	29.85%	1.920%
9	8.810	1173	1177	1181	rBV	1861105	1668407	49.24%	3.166%
10	9.145	1231	1234	1236	rVV	99265	92791	2.74%	0.176%
11	9.210	1242	1245	1250	rVV	275898	227240	6.71%	0.431%
12	9.257	1250	1253	1260	rVV	69570	84137	2.48%	0.160%
13	9.339	1261	1267	1272	rVV2	85266	84345	2.49%	0.160%
14	9.475	1286	1290	1293	rVV	968686	944102	27.86%	1.792%
15	9.510	1293	1296	1300	rVB	388832	329939	9.74%	0.626%
16	9.633	1314	1317	1320	rVV2	107720	92558	2.73%	0.176%
17	9.686	1320	1326	1329	rVV	138769	154185	4.55%	0.293%
18	9.798	1342	1345	1348	rBV	92026	90994	2.69%	0.173%
19	9.886	1356	1360	1366	rBV3	67260	124787	3.68%	0.237%
20	9.975	1371	1375	1380	rBV4	49021	87912	2.59%	0.167%
21	10.022	1380	1383	1386	rVV	309308	257284	7.59%	0.488%
22	10.086	1389	1394	1396	rVV	122795	159521	4.71%	0.303%
23	10.180	1407	1410	1415	rVB2	103644	130043	3.84%	0.247%
24	10.263	1421	1424	1428	rVV	826056	751201	22.17%	1.425%
25	10.398	1443	1447	1453	rVB2	99428	158659	4.68%	0.301%
26	10.569	1472	1476	1478	rBV2	107724	139804	4.13%	0.265%
27	10.598	1478	1481	1483	rVB2	95262	92002	2.72%	0.175%
28	10.698	1493	1498	1499	rBV2	90236	113805	3.36%	0.216%
29	10.810	1514	1517	1520	rBV	141850	147514	4.35%	0.280%
30	10.845	1520	1523	1526	rBV	164969	144971	4.28%	0.275%
31	10.951	1537	1541	1543	rBV	788532	792164	23.38%	1.503%
32	10.980	1543	1546	1549	rVB	2105806	1890179	55.79%	3.587%
33	11.027	1549	1554	1558	rVB	726703	664947	19.63%	1.262%
34	11.069	1558	1561	1564	rBV	125588	149756	4.42%	0.284%

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35	11.192	1579	1582	1584	rBV	121348	107228	3.16%	0.203%
36	11.245	1589	1591	1594	rVV2	104011	96666	2.85%	0.183%
37	11.280	1594	1597	1603	rVB2	165814	209118	6.17%	0.397%
38	11.363	1608	1611	1615	rVB2	83772	96114	2.84%	0.182%
39	11.451	1623	1626	1629	rBV	587929	555115	16.38%	1.053%
40	11.480	1629	1631	1634	rVB	732001	589630	17.40%	1.119%
41	11.527	1636	1639	1642	rVV	365188	298469	8.81%	0.566%
42	11.563	1642	1645	1647	rVV	905524	975474	28.79%	1.851%
43	11.586	1647	1649	1652	rVB	443288	358720	10.59%	0.681%
44	11.639	1655	1658	1661	rBV2	62963	83312	2.46%	0.158%
45	11.680	1662	1665	1668	rVB3	122935	139802	4.13%	0.265%
46	11.745	1674	1676	1679	rVV	335543	301262	8.89%	0.572%
47	11.780	1679	1682	1686	rVB	226483	232619	6.87%	0.441%
48	11.892	1696	1701	1704	rBV2	200644	275628	8.13%	0.523%
49	11.927	1704	1707	1709	rBV	158319	113106	3.34%	0.215%
50	11.951	1709	1711	1715	rVB	129609	125187	3.69%	0.238%
51	12.004	1715	1720	1722	rBV	533080	586118	17.30%	1.112%
52	12.039	1722	1726	1728	rVV	260247	300726	8.88%	0.571%
53	12.057	1728	1729	1732	rVB2	155510	115228	3.40%	0.219%
54	12.092	1732	1735	1739	rVB2	332885	371596	10.97%	0.705%
55	12.163	1742	1747	1750	rBV	2488318	2823242	83.32%	5.357%
56	12.304	1767	1771	1773	rBV	254796	233271	6.88%	0.443%
57	12.392	1780	1786	1788	rVV	2522558	3388256	100.00%	6.430%
58	12.410	1788	1789	1791	rVV	169758	117479	3.47%	0.223%
59	12.433	1791	1793	1799	rVB3	219838	346266	10.22%	0.657%
60	12.504	1802	1805	1807	rBV	227334	201013	5.93%	0.381%
61	12.533	1807	1810	1817	rVB2	1208384	1372598	40.51%	2.605%
62	12.604	1817	1822	1826	rBV2	364219	559345	16.51%	1.061%
63	12.692	1834	1837	1838	rVV2	294241	321152	9.48%	0.609%
64	12.716	1838	1841	1844	rVB2	637400	654369	19.31%	1.242%
65	12.780	1848	1852	1855	rBV	427358	405445	11.97%	0.769%
66	12.816	1855	1858	1865	rVV	544390	646950	19.09%	1.228%
67	12.904	1870	1873	1876	rBV	359217	334789	9.88%	0.635%
68	12.933	1876	1878	1883	rVV	346058	331126	9.77%	0.628%
69	13.027	1892	1894	1898	rVB3	137769	140740	4.15%	0.267%
70	13.133	1910	1912	1915	rVB3	138344	131168	3.87%	0.249%
71	13.198	1920	1923	1925	rBV	124163	149731	4.42%	0.284%

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72	13.221	1925	1927	1931	rVB	235149	226973	6.70%	0.431%
73	13.327	1940	1945	1947	rBV2	377428	455531	13.44%	0.864%
74	13.351	1947	1949	1951	rVB	299128	220262	6.50%	0.418%
75	13.374	1951	1953	1955	rBV	166935	143164	4.23%	0.272%
76	13.433	1960	1963	1966	rBV	242940	247706	7.31%	0.470%
77	13.574	1980	1987	1990	rBV2	1622008	2595319	76.60%	4.925%
78	13.610	1990	1993	1996	rVV	1593271	1541391	45.49%	2.925%
79	13.680	2000	2005	2008	rBV2	351762	388011	11.45%	0.736%
80	13.927	2044	2047	2049	rBV	165839	149641	4.42%	0.284%
81	13.963	2049	2053	2056	rVV	442847	471268	13.91%	0.894%
82	13.998	2056	2059	2061	rVB	246981	203045	5.99%	0.385%
83	14.057	2063	2069	2072	rBV3	173690	291126	8.59%	0.552%
84	14.086	2072	2074	2076	rBV	182455	159117	4.70%	0.302%
85	14.157	2084	2086	2092	rVB3	149780	167500	4.94%	0.318%
86	14.280	2104	2107	2115	rVB5	123972	253991	7.50%	0.482%
87	14.439	2131	2134	2137	rBV	156910	172139	5.08%	0.327%
88	14.574	2152	2157	2165	rBV	1185551	2215592	65.39%	4.204%
89	14.657	2168	2171	2175	rVB	284567	283153	8.36%	0.537%
90	14.821	2195	2199	2204	rVB	732781	855426	25.25%	1.623%
91	14.874	2204	2208	2212	rVV	1021387	1140738	33.67%	2.165%
92	14.921	2213	2216	2219	rVV	362459	439905	12.98%	0.835%
93	14.951	2219	2221	2227	rVB3	358338	434971	12.84%	0.825%
94	15.315	2281	2283	2287	rVB2	87629	95223	2.81%	0.181%
95	15.827	2367	2370	2375	rBV5	54995	95778	2.83%	0.182%
96	16.133	2416	2422	2427	rBV	445623	741538	21.89%	1.407%
97	16.186	2427	2431	2437	rVB3	121732	202164	5.97%	0.384%
98	16.262	2440	2444	2448	rBV	108274	187205	5.53%	0.355%
99	16.492	2477	2483	2491	rBV	352015	652374	19.25%	1.238%
100	16.686	2513	2516	2521	rVB	72598	87953	2.60%	0.167%

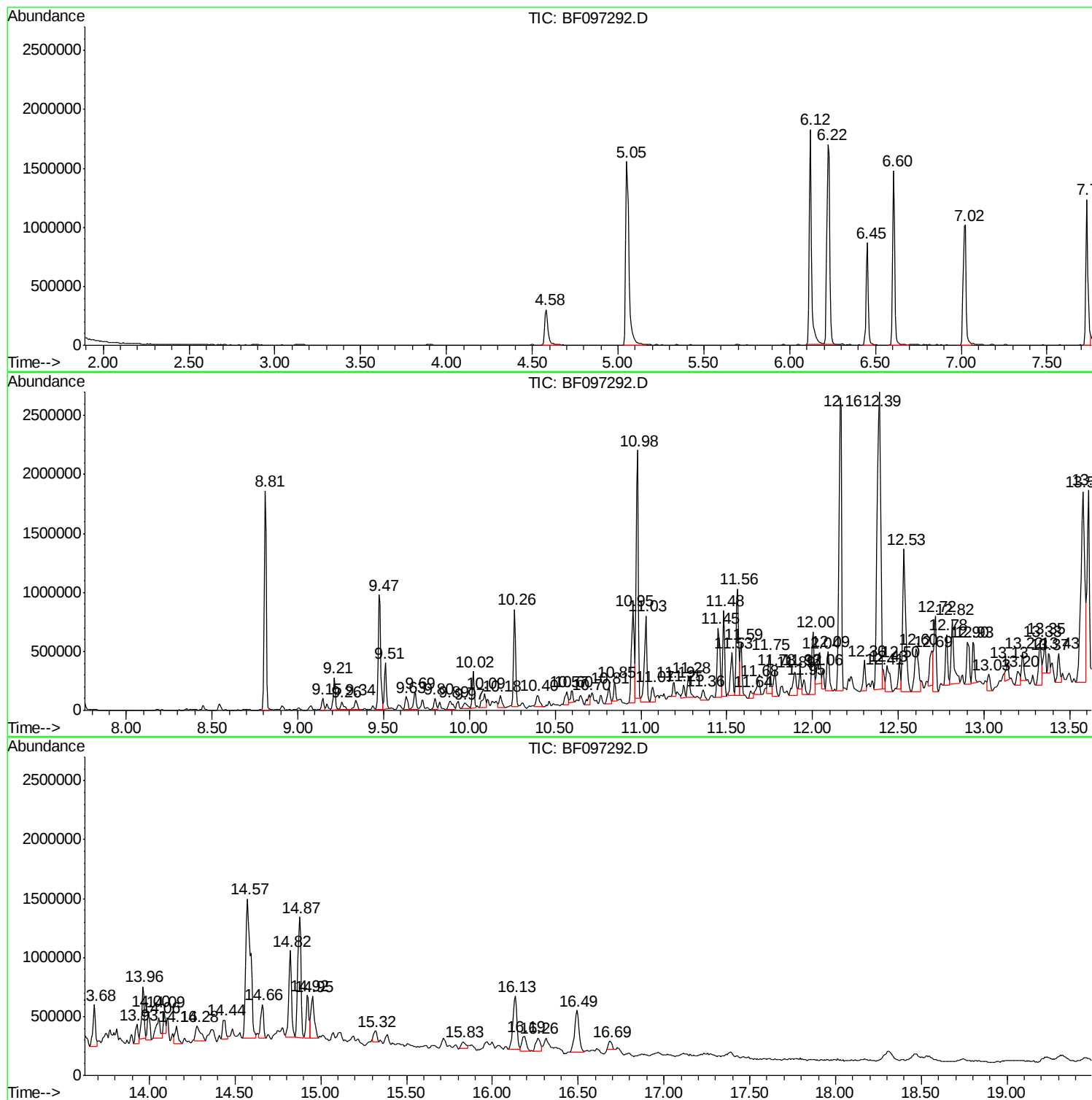
Sum of corrected areas: 52697884

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.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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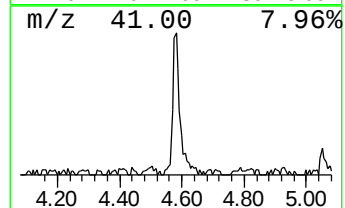
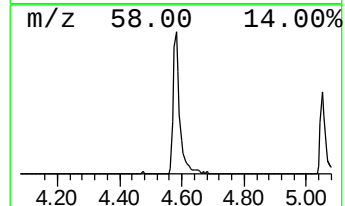
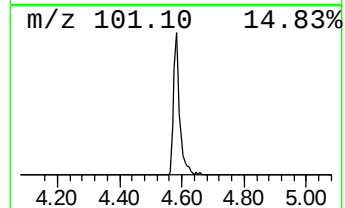
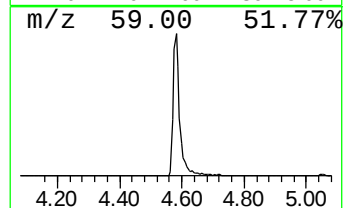
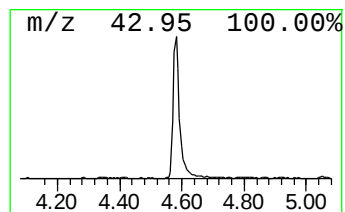
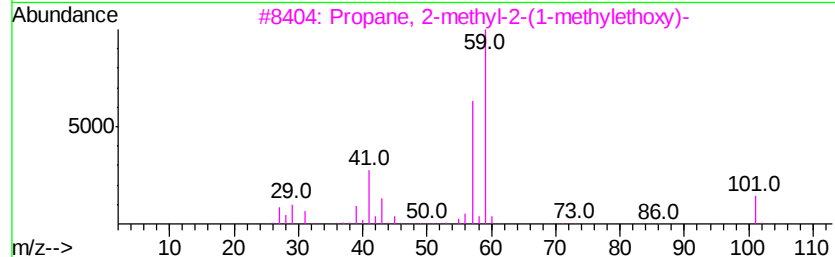
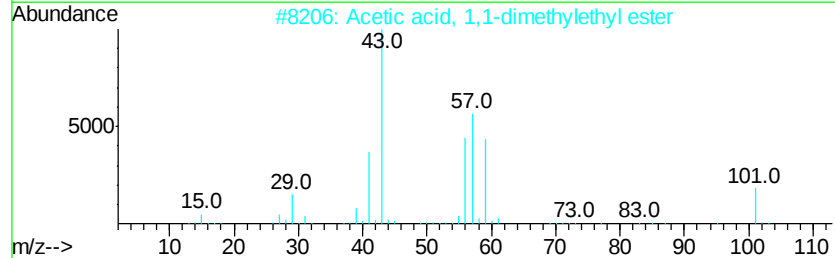
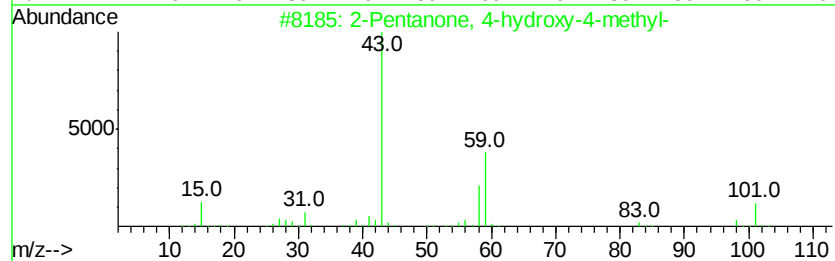
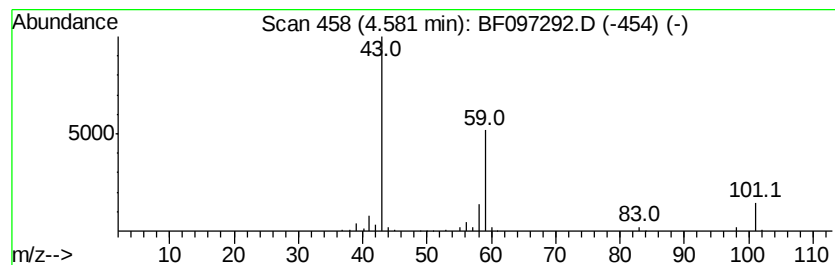
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	11.17 ng	431644	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
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			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			3-Octanol	130	C8H18O	000589-98-0	33



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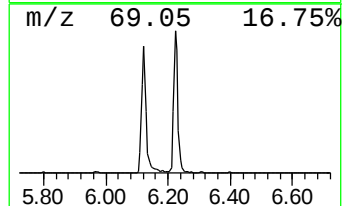
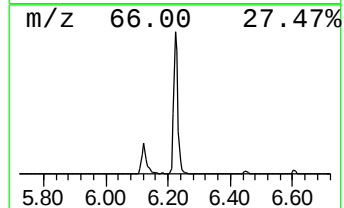
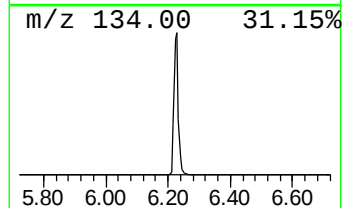
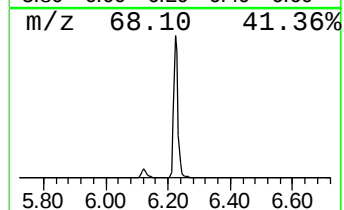
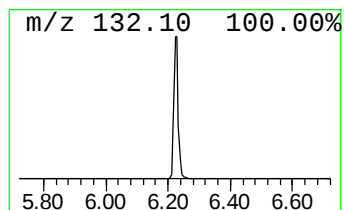
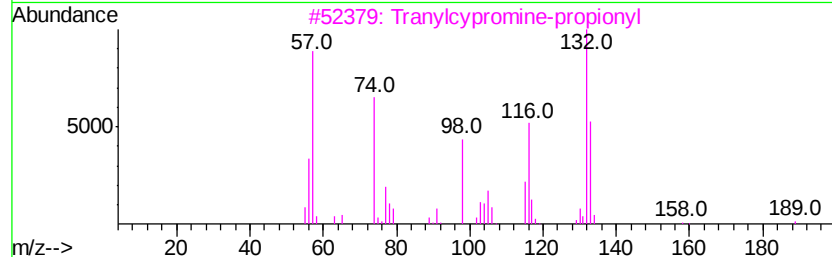
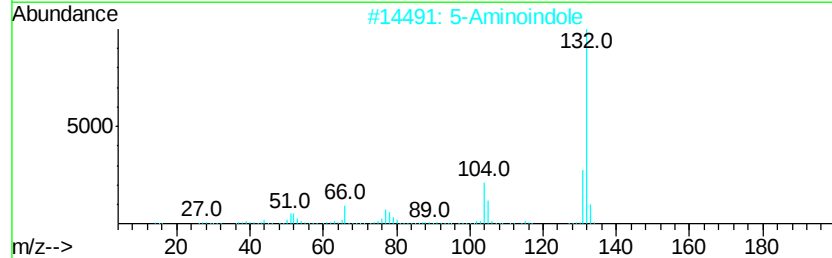
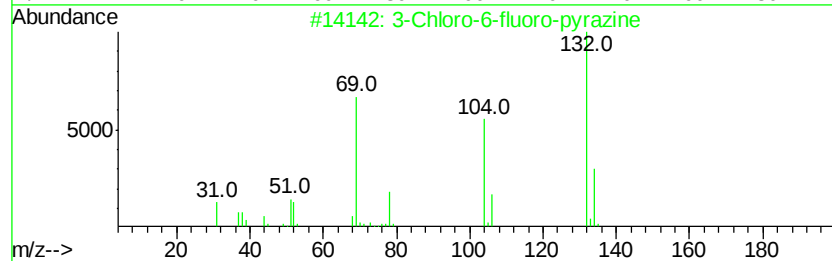
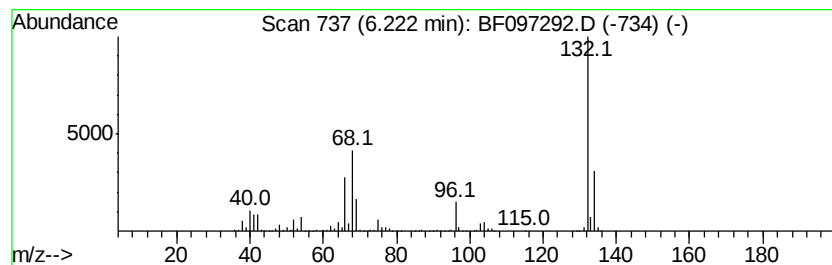
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	44.64 ng	1724650	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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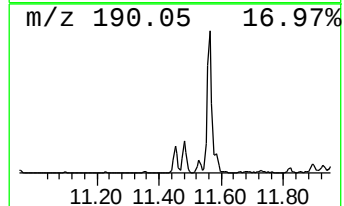
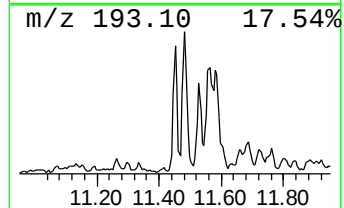
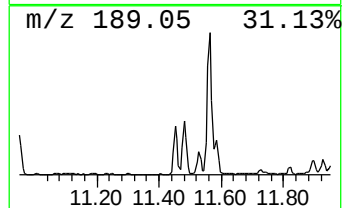
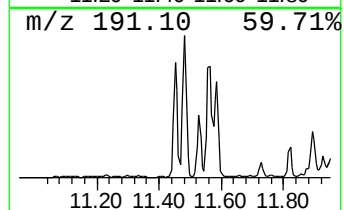
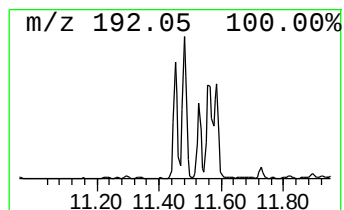
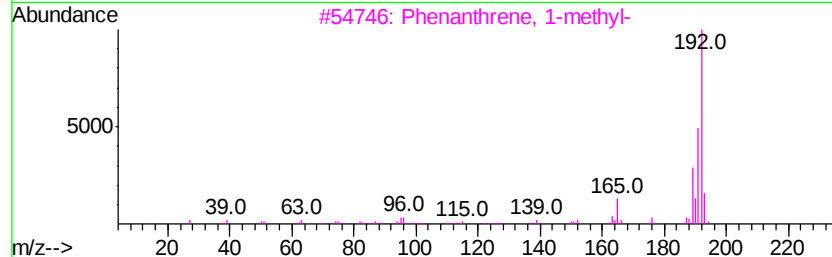
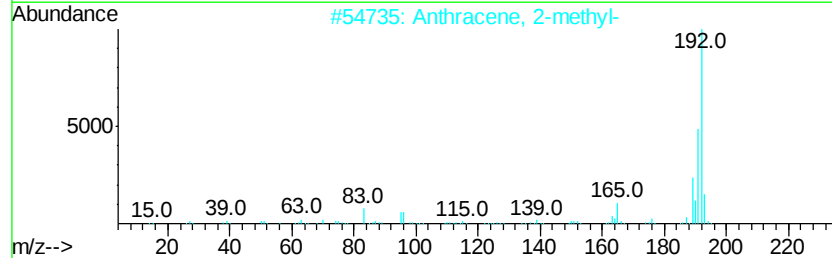
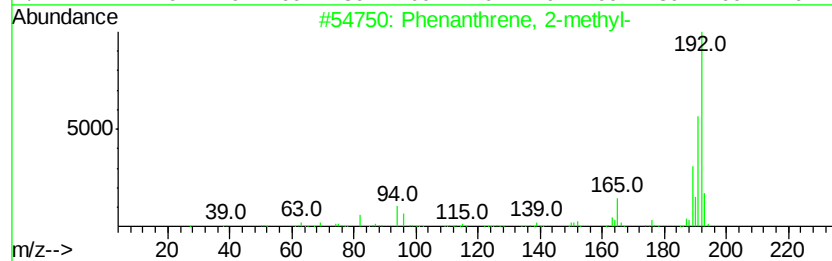
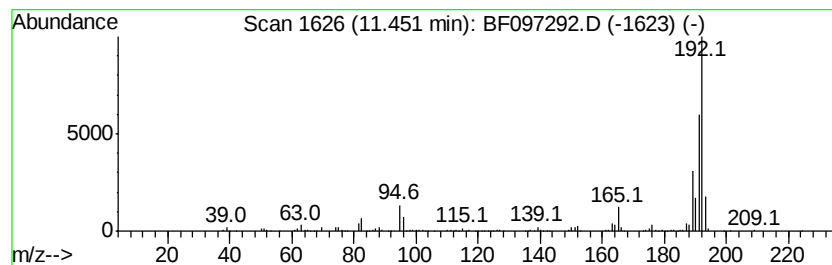
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	14.02 ng	555115	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097292.D
Acq On : 2 Aug 2017 23:57
Operator : SJ/JU
Sample : I4540-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-12020

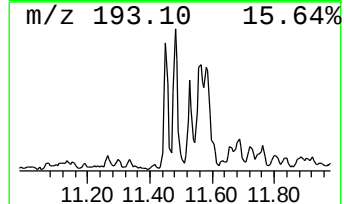
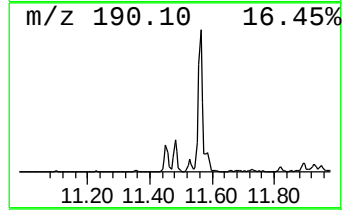
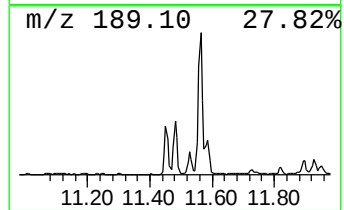
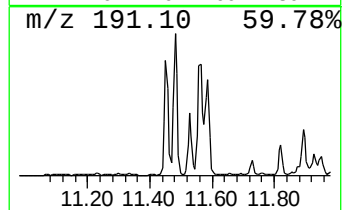
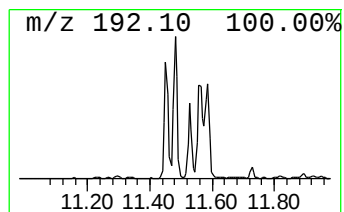
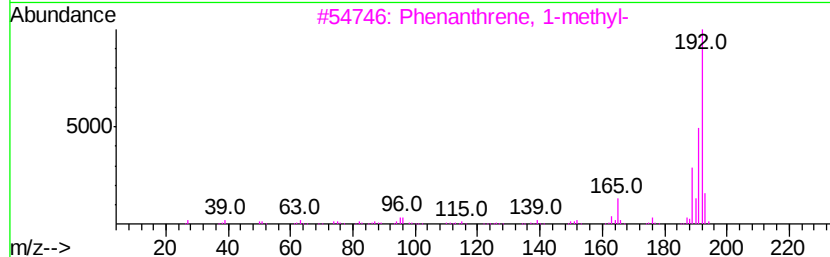
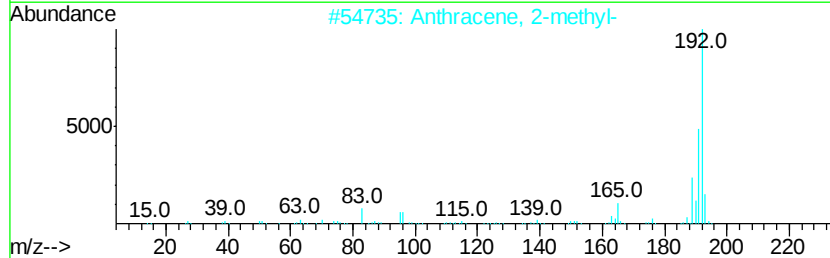
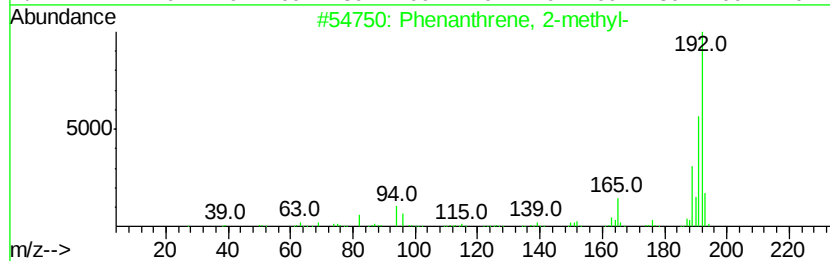
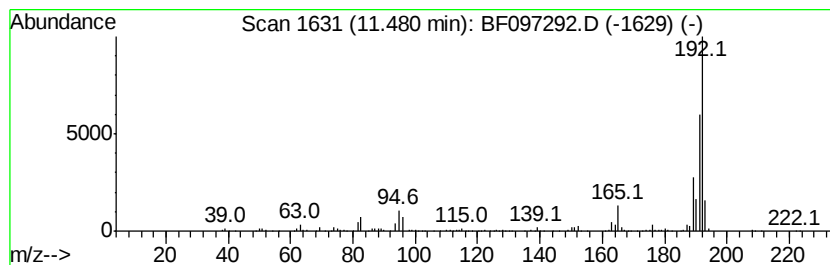
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	14.89 ng	589630	Phenanthrene-d10	10.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097292.D
Acq On : 2 Aug 2017 23:57
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ClientSampleId :
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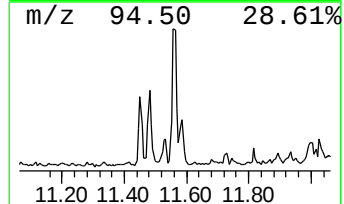
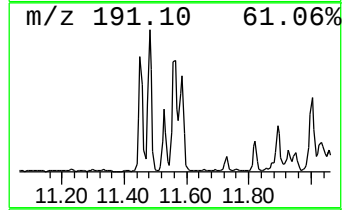
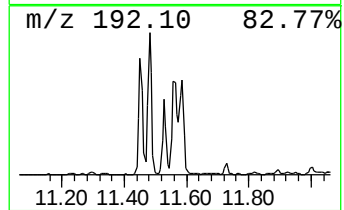
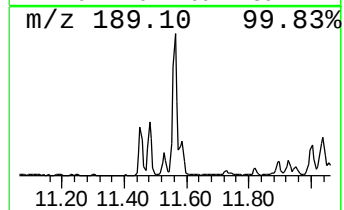
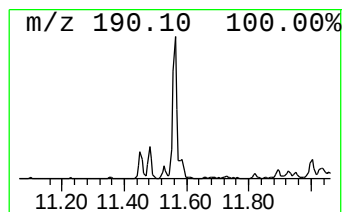
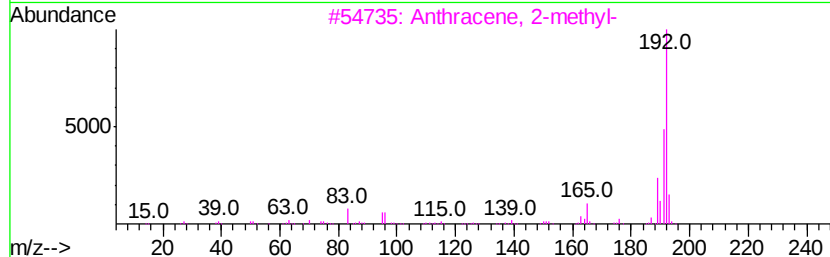
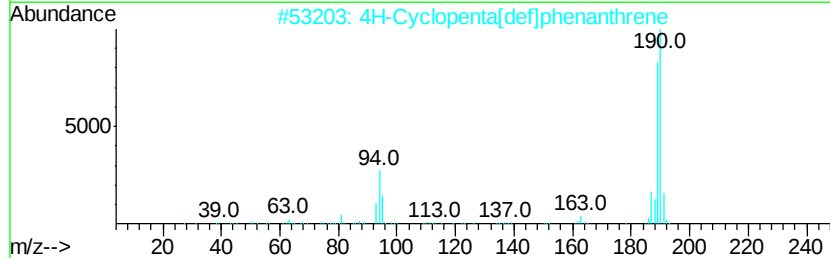
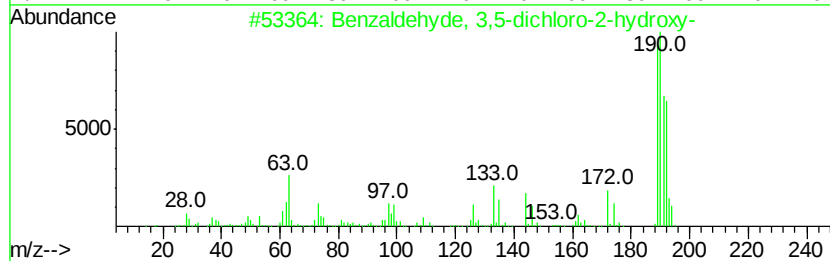
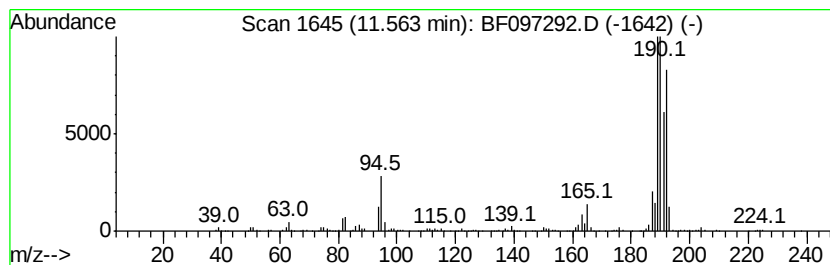
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	24.63 ng	975474	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097292.D
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Operator : SJ/JU
Sample : I4540-05
Misc :
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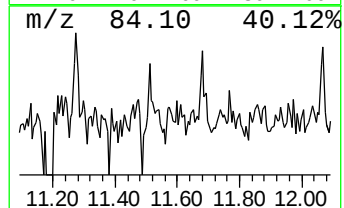
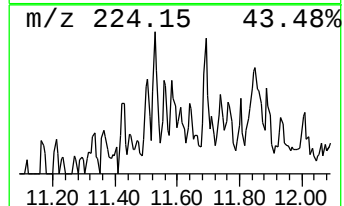
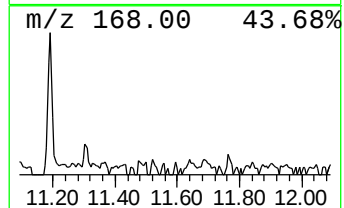
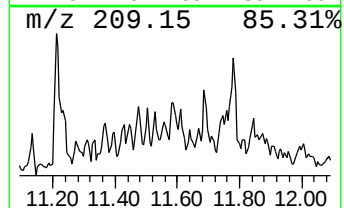
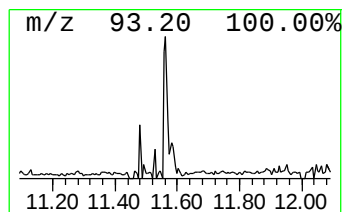
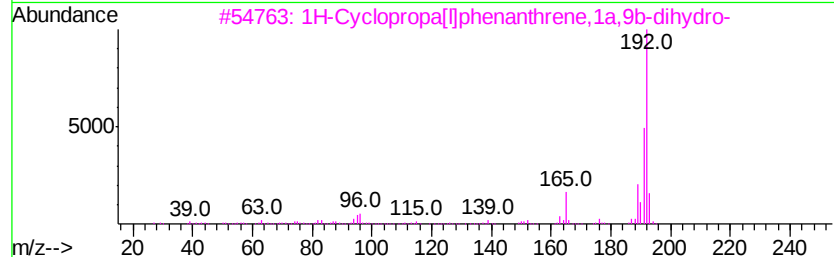
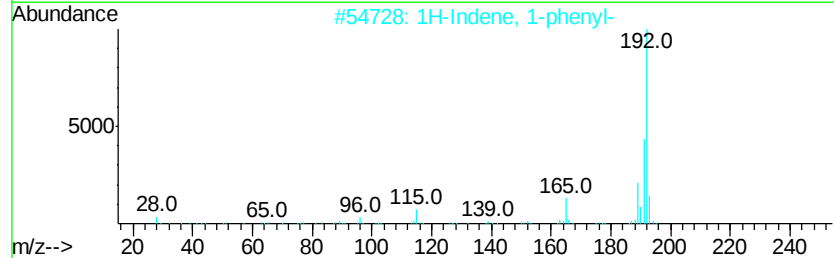
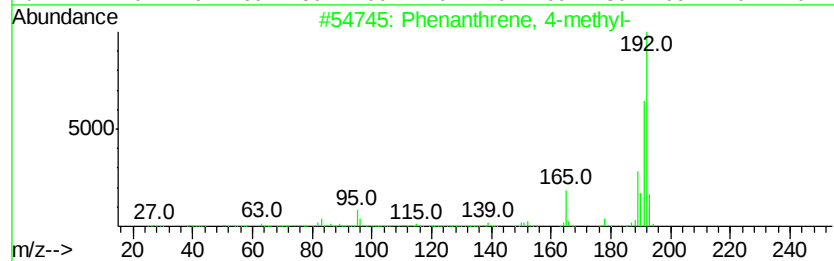
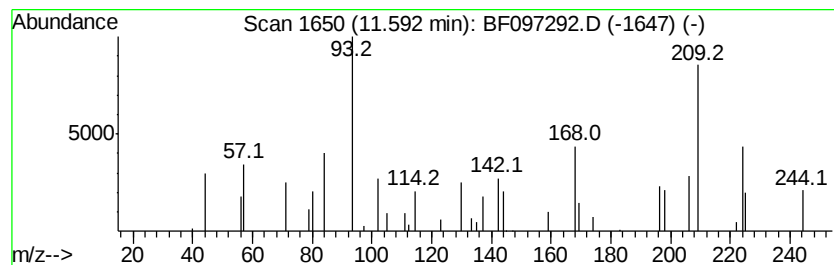
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	9.06 ng	358720	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
2		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81
3		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	81
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097292.D
Acq On : 2 Aug 2017 23:57
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ClientSampleId :
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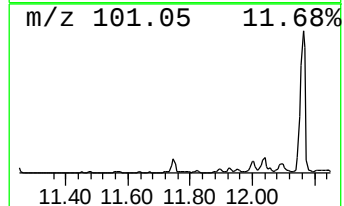
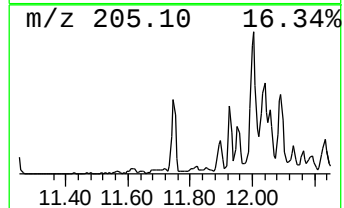
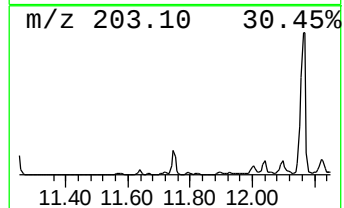
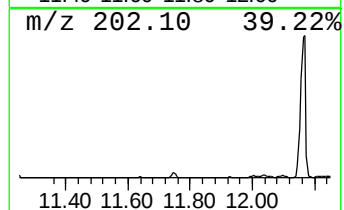
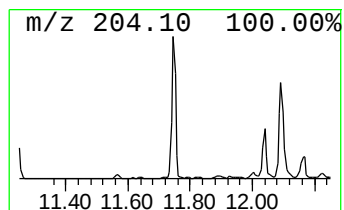
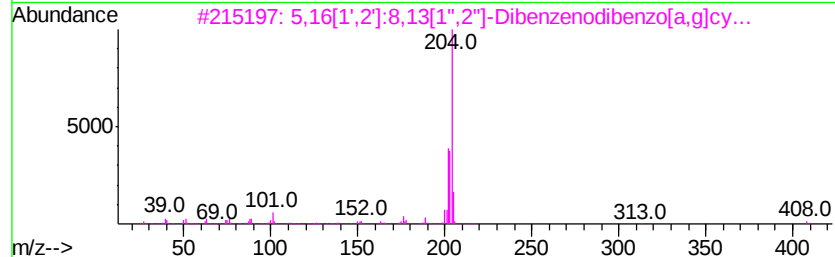
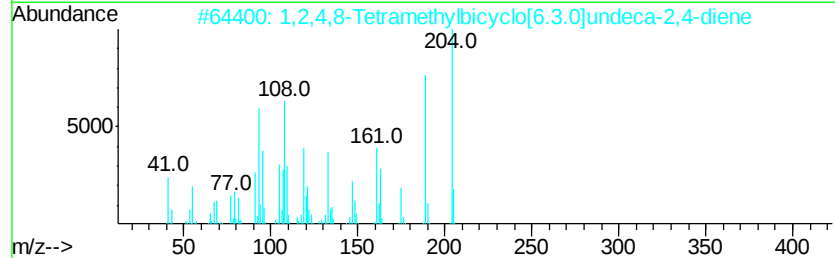
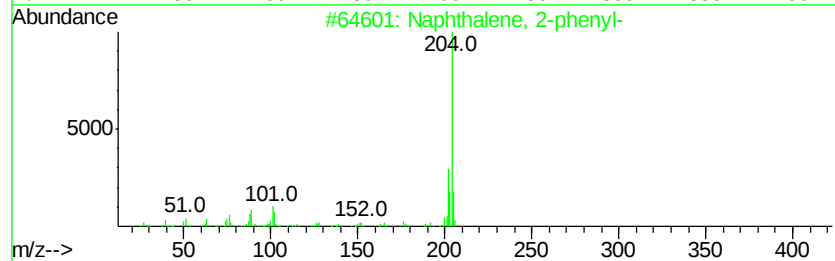
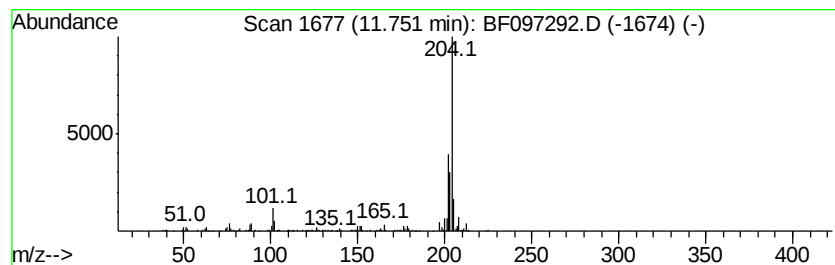
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	7.61 ng	301262	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	83
3		5,16[1',2']-8,13[1'',2'']-Dibenzodibenzo[a,g]cy...	408	C32H24	005672-97-9	72
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	68
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097292.D
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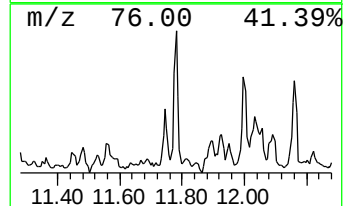
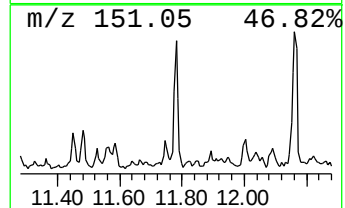
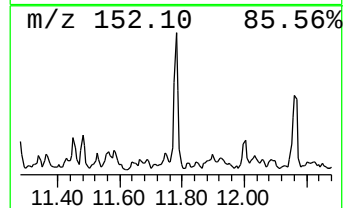
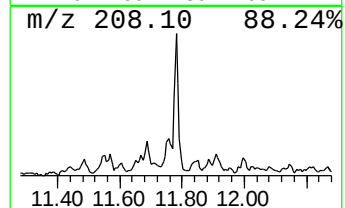
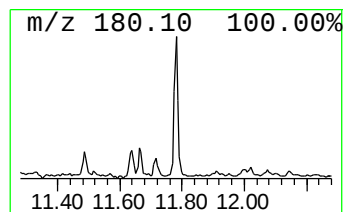
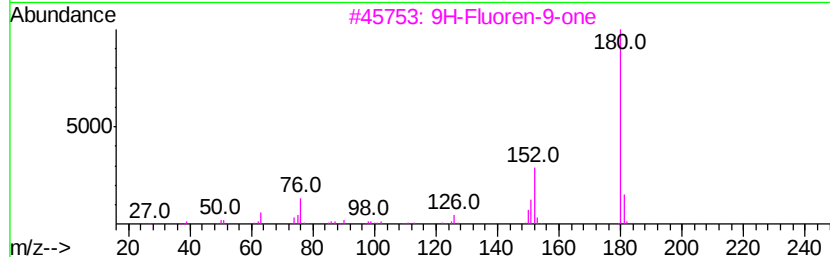
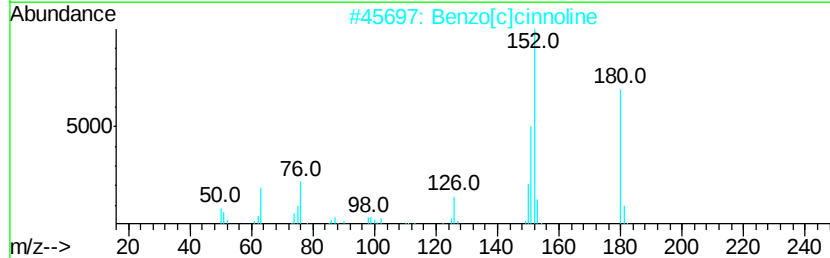
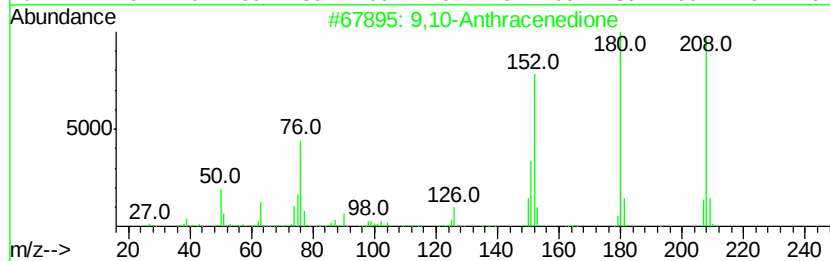
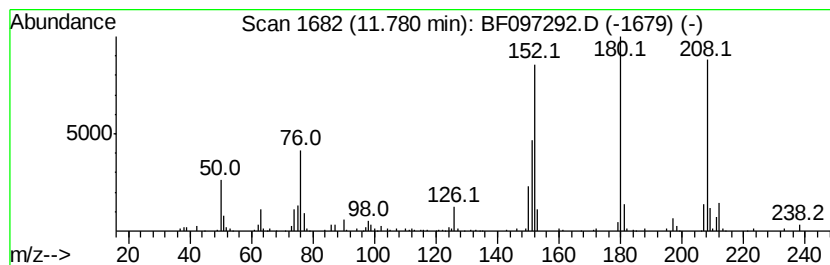
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.87 ng	232619	Phenanthrene-d10	10.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5			1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097292.D
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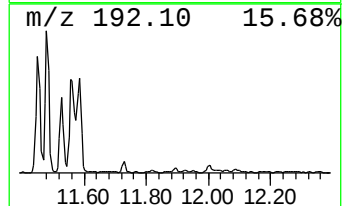
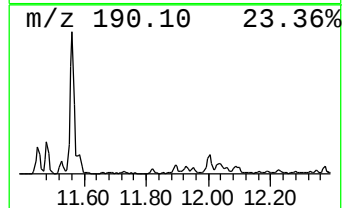
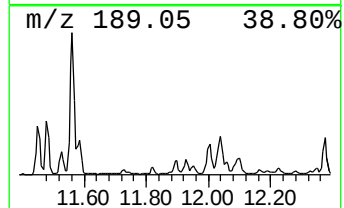
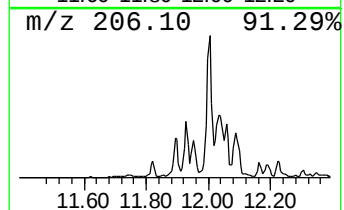
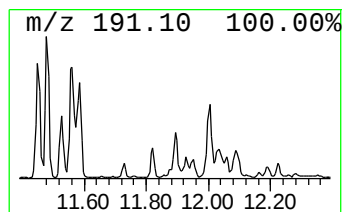
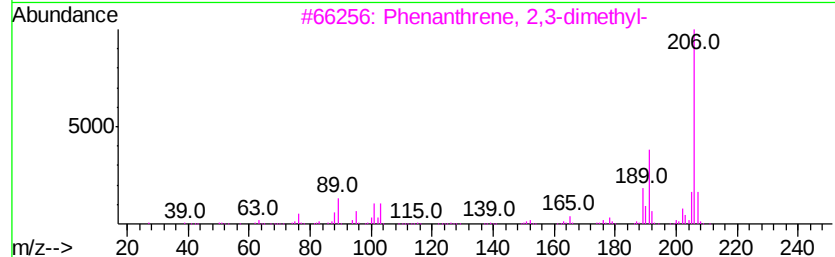
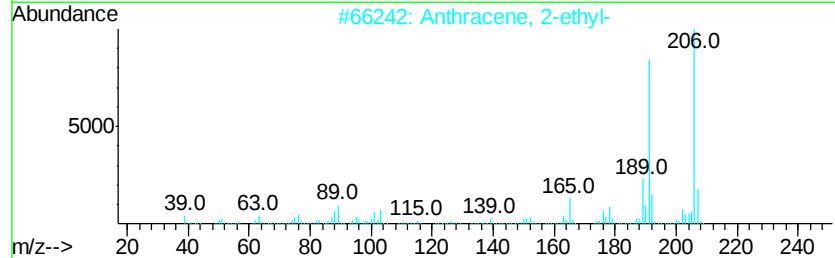
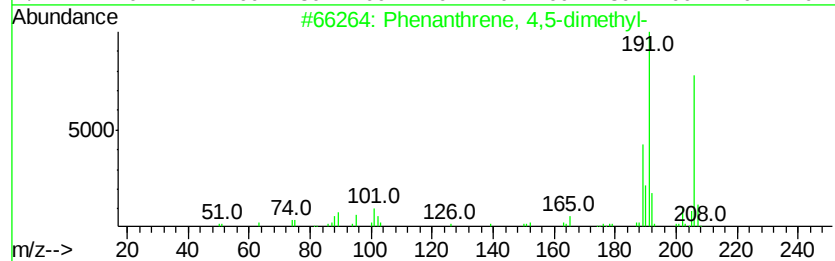
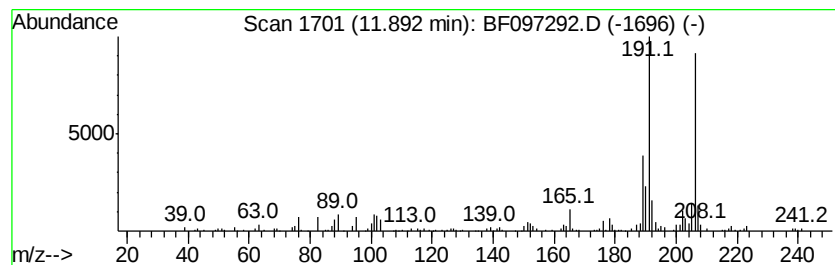
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.96 ng	275628	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	98
2		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4		Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	89
5		Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097292.D
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ALS Vial : 23 Sample Multiplier: 1

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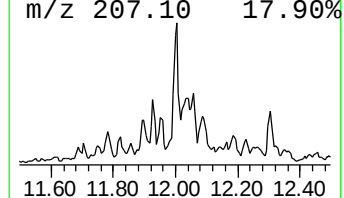
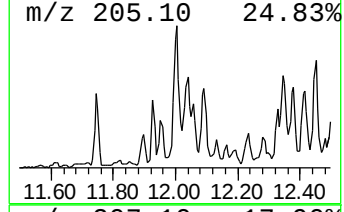
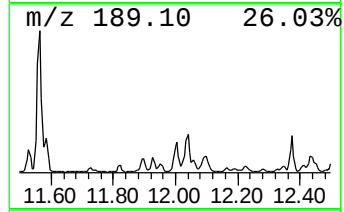
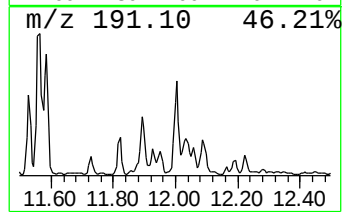
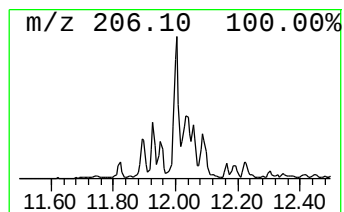
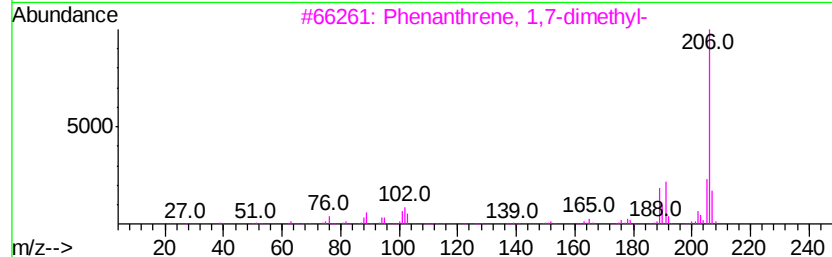
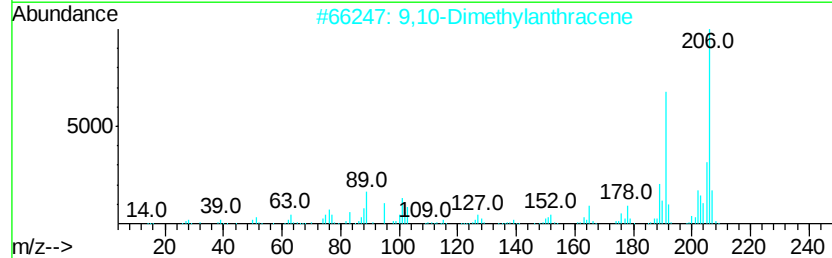
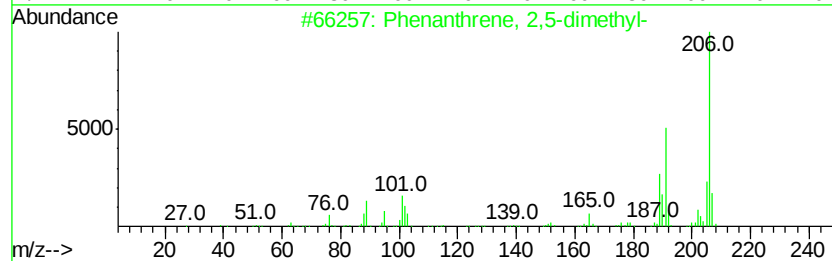
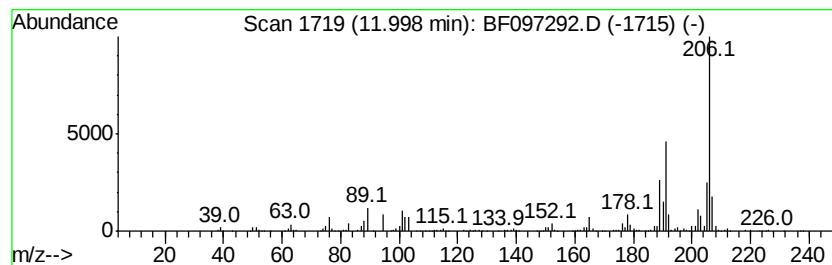
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	14.80 ng	586118	Phenanthrene-d10	10.95

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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Acq On : 2 Aug 2017 23:57
Operator : SJ/JU
Sample : I4540-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

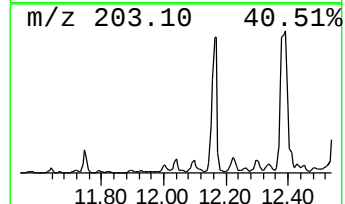
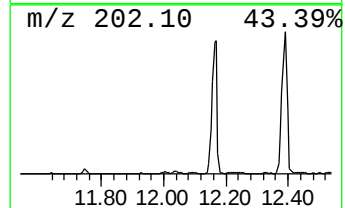
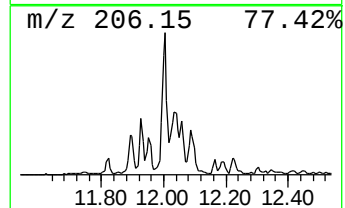
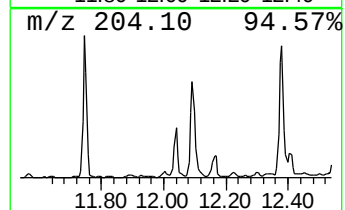
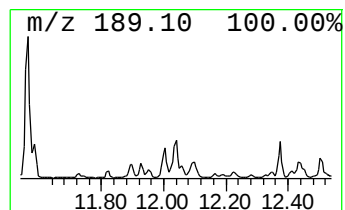
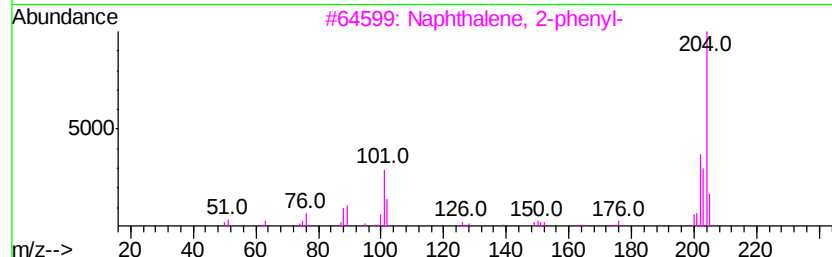
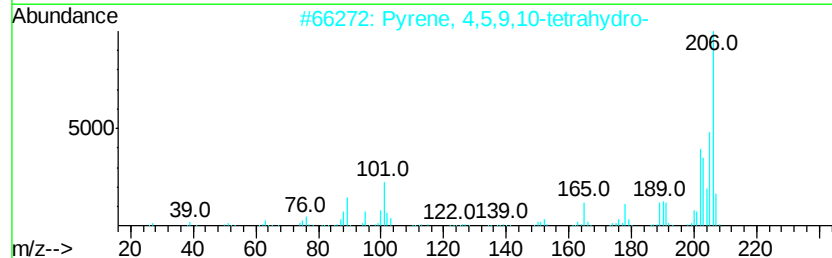
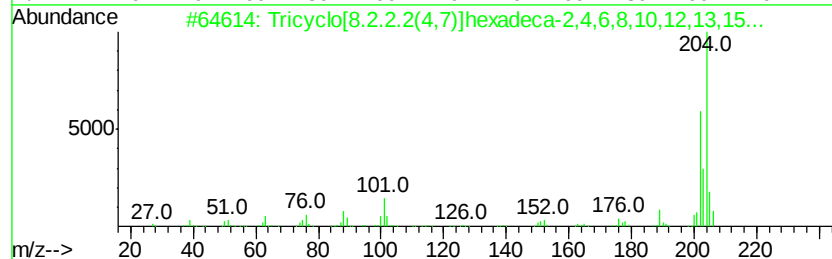
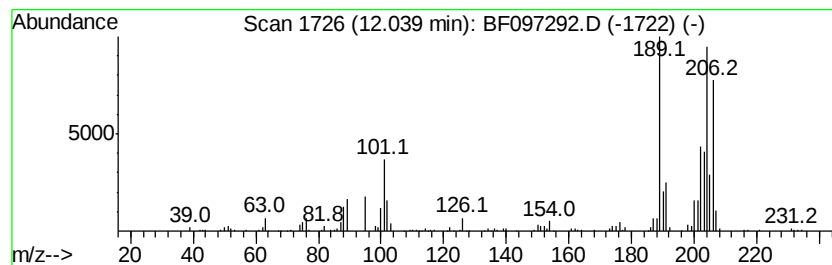
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.04	7.59 ng	300726	Phenanthrene-d10	10.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	Benzene, 1,1'-(1,3-butadienylidene...	206	C16H14	004165-81-5	25
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Sample : I4540-05
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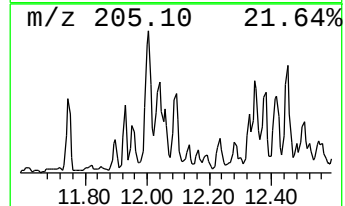
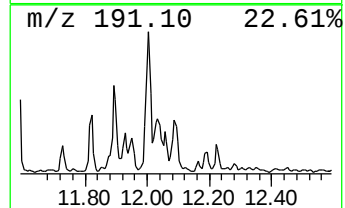
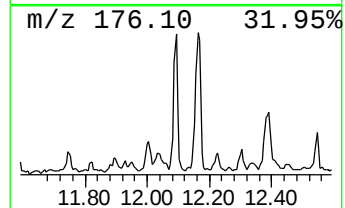
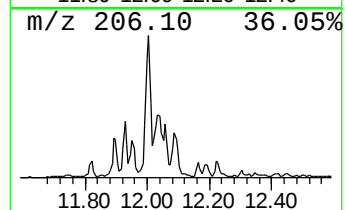
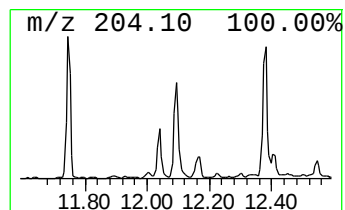
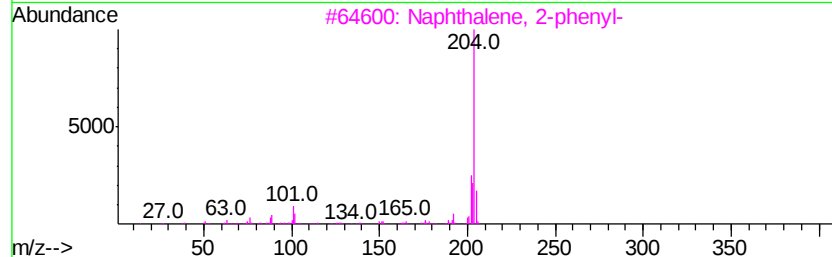
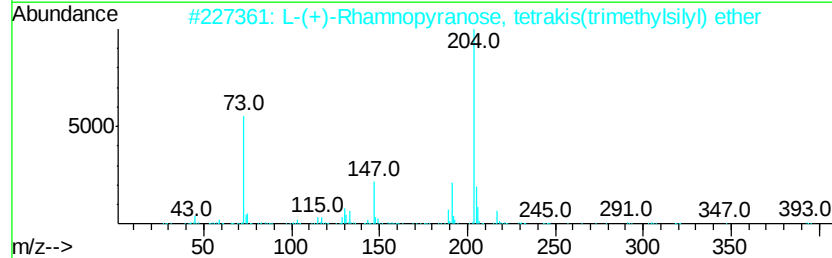
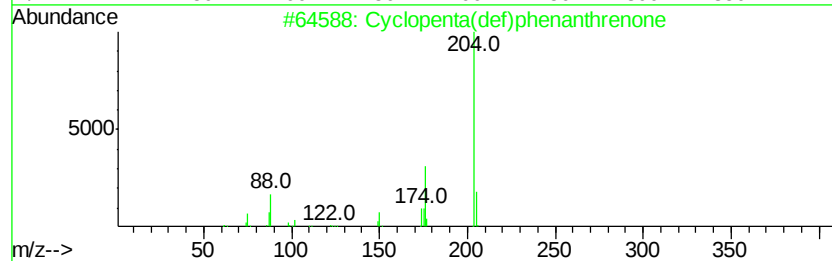
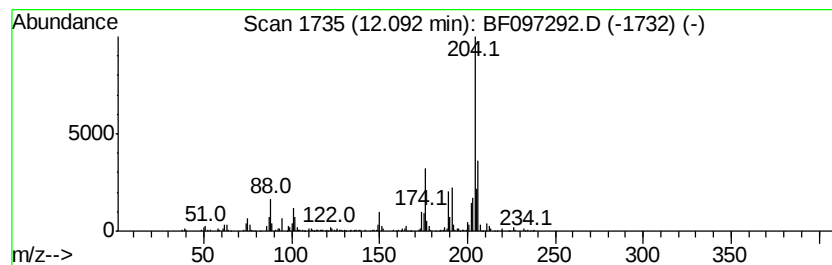
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.09	9.38 ng	371596	Phenanthrene-d10		10.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43



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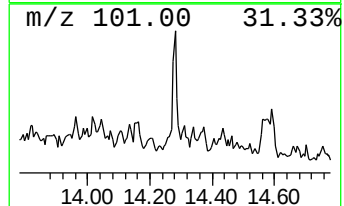
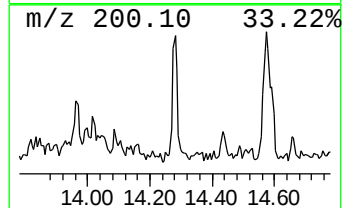
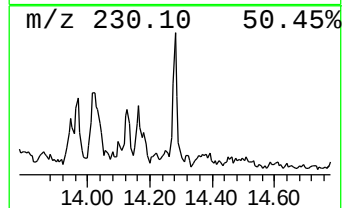
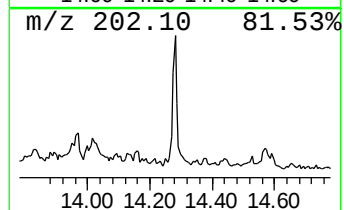
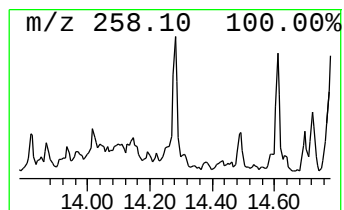
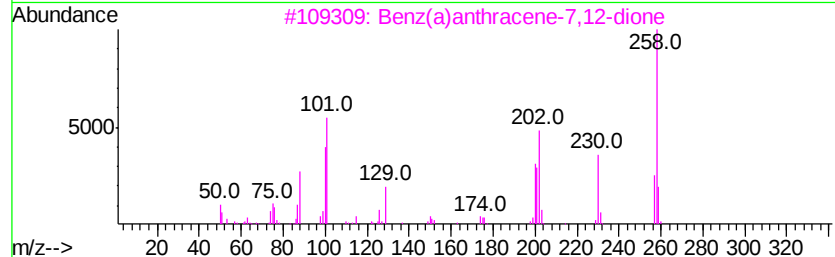
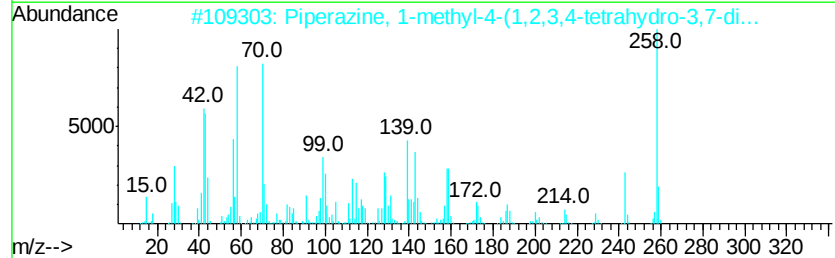
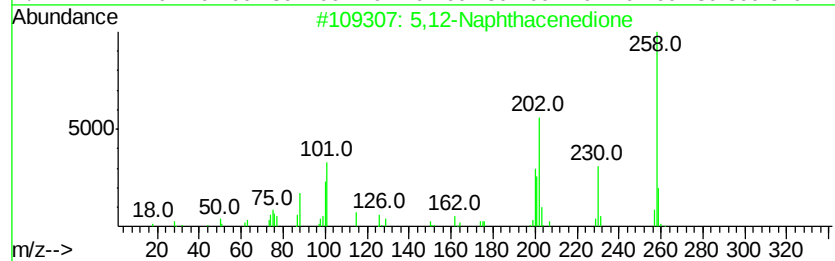
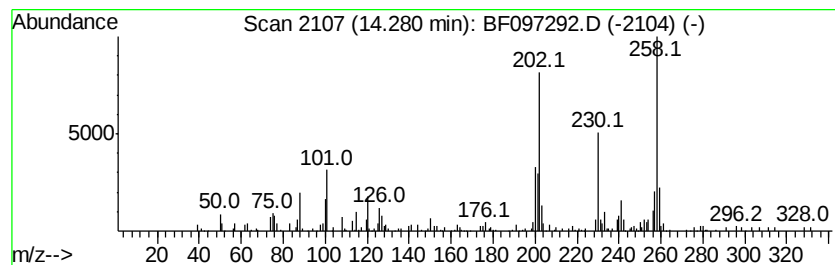
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 5,12-Naphthacenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	11.55 ng	253991	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	91
3		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	70
4		7H-Benz[de]anthracene-7-one	230	C17H10O	000082-05-3	64
5		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	47



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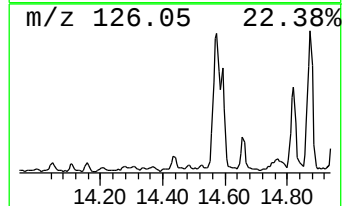
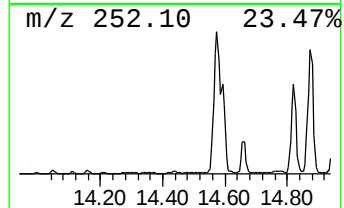
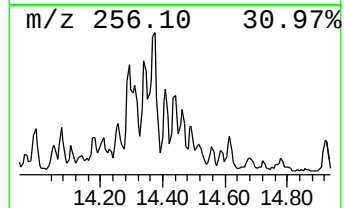
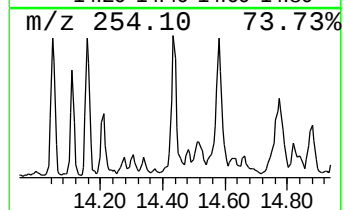
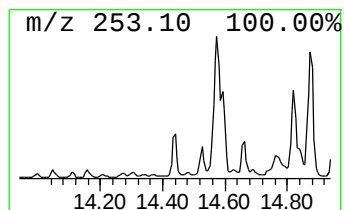
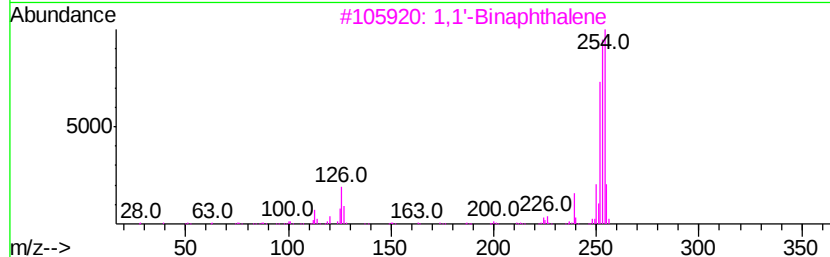
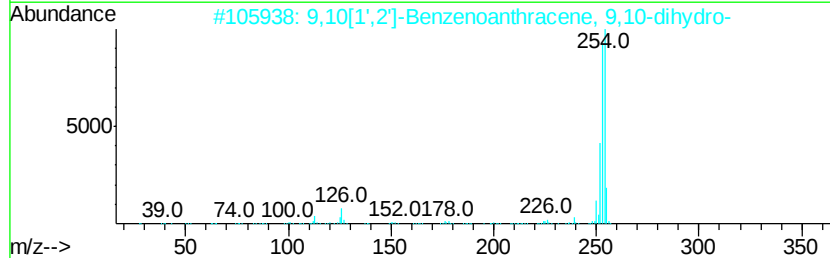
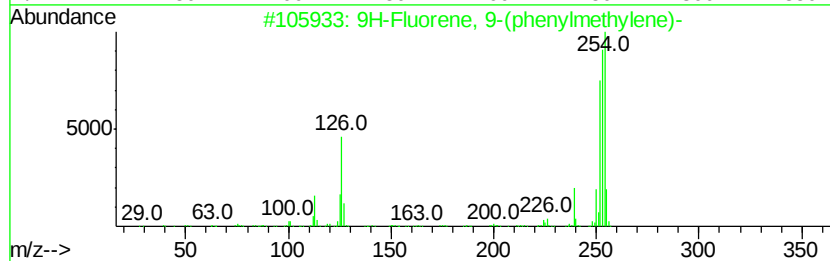
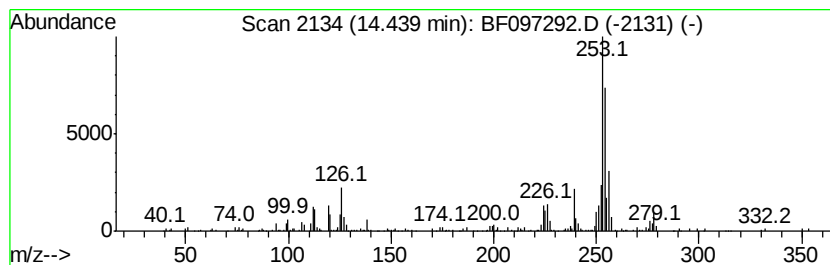
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	7.83 ng	172139	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	76
2		9,10[1',2']-Benzenoanthracene, 9,10-dihydro-	254	C20H14	000477-75-8	76
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	70
4		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
5		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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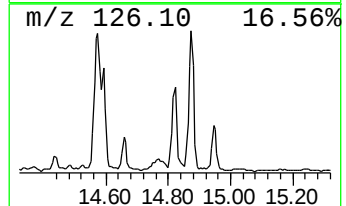
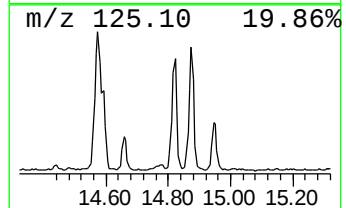
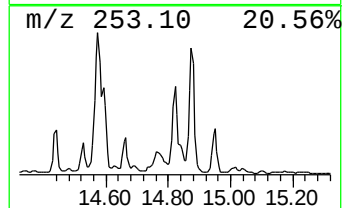
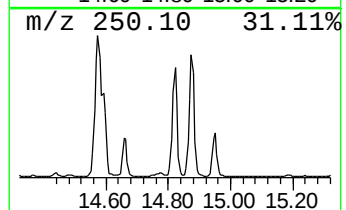
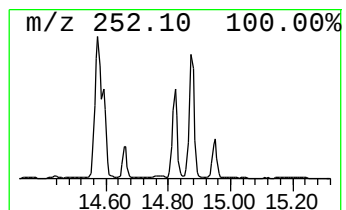
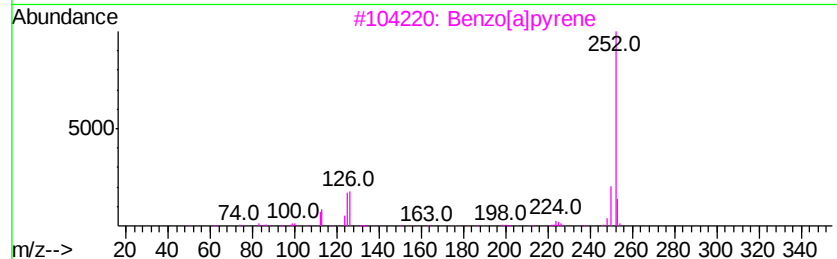
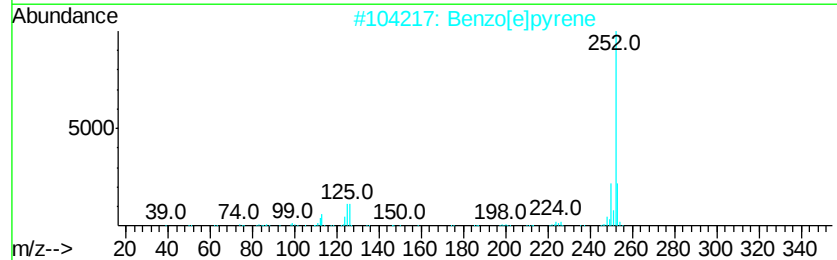
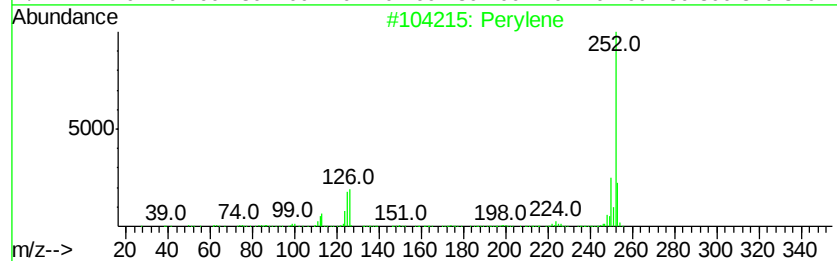
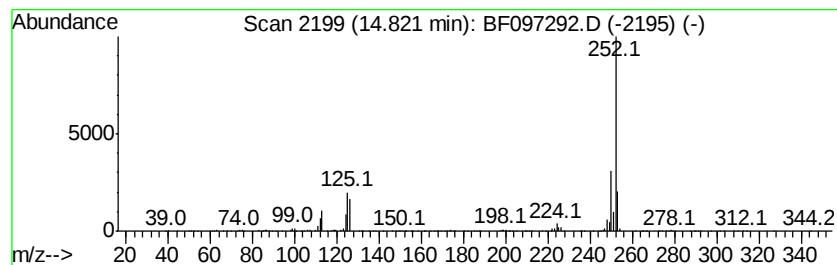
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	38.89 ng	855426	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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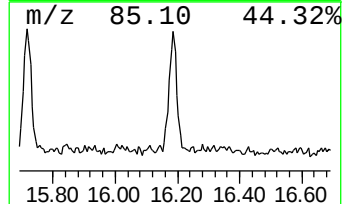
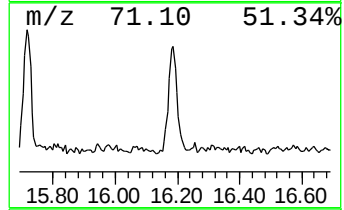
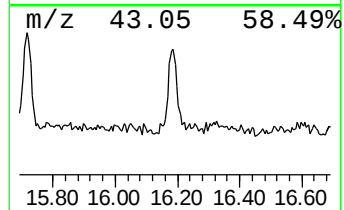
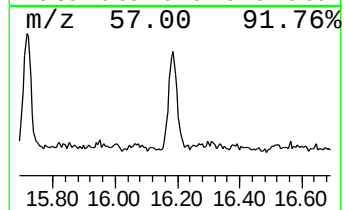
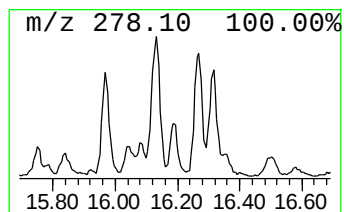
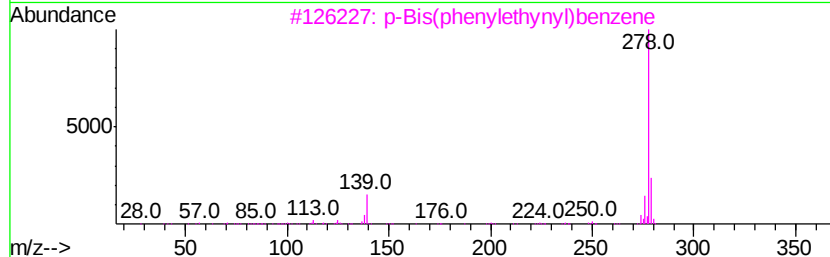
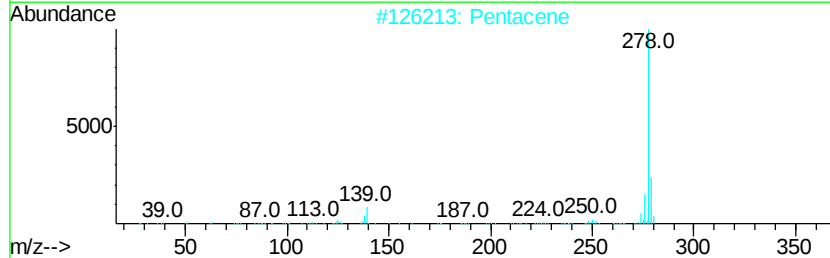
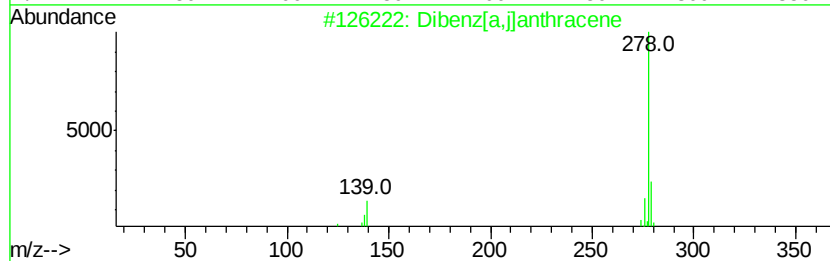
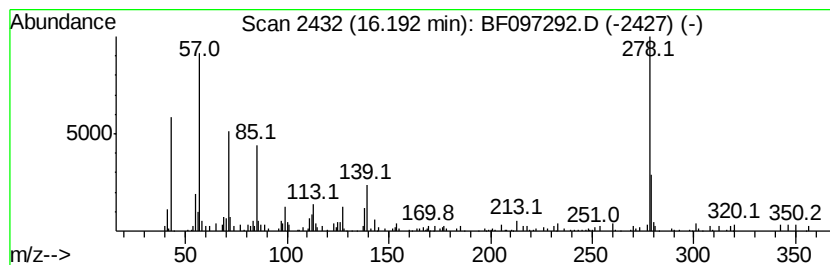
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenz[a,j]anthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.19	9.19 ng	202164	Perylene-d12	14.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenz[a,i]anthracene	278	C22H14	000224-41-9	80
2		Pentacene	278	C22H14	000135-48-8	78
3		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	60
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
5		Benzo[b]chrysene	278	C22H14	000214-17-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.58	11.2	ng	431644	1	6.45	772702	20.0
unknown6.22	6.22	44.6	ng	1724650	1	6.45	772702	20.0
Phenanthrene, 2-m...	11.45	14.0	ng	555115	4	10.95	792164	20.0
Anthracene, 2-met...	11.48	14.9	ng	589630	4	10.95	792164	20.0
Benzaldehyde, 3,5...	11.56	24.6	ng	975474	4	10.95	792164	20.0
Phenanthrene, 4-m...	11.59	9.1	ng	358720	4	10.95	792164	20.0
Naphthalene, 2-ph...	11.75	7.6	ng	301262	4	10.95	792164	20.0
9,10-Anthracenedione	11.78	5.9	ng	232619	4	10.95	792164	20.0
Phenanthrene, 4,5...	11.89	7.0	ng	275628	4	10.95	792164	20.0
Phenanthrene, 2,5...	12.00	14.8	ng	586118	4	10.95	792164	20.0
unknown12.04	12.04	7.6	ng	300726	4	10.95	792164	20.0
Cyclopenta(def)ph...	12.09	9.4	ng	371596	4	10.95	792164	20.0
5,12-Naphthacened...	14.28	11.6	ng	253991	6	14.92	439905	20.0
9H-Fluorene, 9-(p...	14.44	7.8	ng	172139	6	14.92	439905	20.0
Perylene	14.82	38.9	ng	855426	6	14.92	439905	20.0
Dibenz[a,j]anthra...	16.19	9.2	ng	202164	6	14.92	439905	20.0