

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096503.D
 Acq On : 6 Jul 2017 1:02
 Operator : SJ/MA
 Sample : I3976-03 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B9-4-6

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-BF070117.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	4.887	472	476	486	rBV	377804	418272	24.99%	1.457%
2	5.316	545	549	553	rBV	1303855	1133984	67.76%	3.951%
3	6.345	720	724	727	rBV	1694486	1478820	88.36%	5.153%
4	6.481	743	747	750	rBV	1569149	1365042	81.57%	4.756%
5	6.710	782	786	790	rBV	858762	682698	40.79%	2.379%
6	6.781	794	798	801	rBV2	26067	25172	1.50%	0.088%
7	6.869	809	813	816	rVB	1403965	1177430	70.36%	4.103%
8	7.269	874	881	884	rBV	1124224	926177	55.34%	3.227%
9	7.369	893	898	902	rBV3	21742	29254	1.75%	0.102%
10	7.992	1000	1004	1007	rBV	1107436	894511	53.45%	3.117%
11	8.433	1076	1079	1083	rBV	55261	53586	3.20%	0.187%
12	8.604	1105	1108	1110	rBV	64759	58251	3.48%	0.203%
13	8.704	1121	1125	1128	rVB3	44947	51656	3.09%	0.180%
14	8.804	1138	1142	1147	rBV3	31930	41524	2.48%	0.145%
15	9.033	1178	1181	1183	rVB	56866	46039	2.75%	0.160%
16	9.069	1183	1187	1193	rBV	1823297	1667473	99.64%	5.810%
17	9.169	1199	1204	1207	rBV2	99224	102128	6.10%	0.356%
18	9.327	1227	1231	1239	rBV2	44067	70779	4.23%	0.247%
19	9.410	1242	1245	1247	rVV	69223	68487	4.09%	0.239%
20	9.433	1247	1249	1251	rVV	45838	34234	2.05%	0.119%
21	9.463	1251	1254	1256	rVV	287145	218562	13.06%	0.762%
22	9.486	1256	1258	1260	rVV	63929	49764	2.97%	0.173%
23	9.604	1275	1278	1282	rBV	84800	77469	4.63%	0.270%
24	9.692	1291	1293	1296	rVV	104365	86034	5.14%	0.300%
25	9.745	1297	1302	1305	rVV2	964094	846652	50.59%	2.950%
26	9.774	1305	1307	1311	rVV	125769	122067	7.29%	0.425%
27	9.851	1317	1320	1325	rVB2	31092	53432	3.19%	0.186%
28	9.904	1325	1329	1330	rBV2	21267	26333	1.57%	0.092%
29	9.951	1333	1337	1341	rVV	125348	132735	7.93%	0.463%
30	9.986	1341	1343	1346	rVV2	41071	45592	2.72%	0.159%
31	10.016	1346	1348	1352	rVV2	39773	37370	2.23%	0.130%
32	10.063	1352	1356	1359	rVV2	36055	47341	2.83%	0.165%
33	10.157	1368	1372	1376	rBV6	34347	57573	3.44%	0.201%
34	10.192	1376	1378	1380	rVB	114117	75898	4.54%	0.264%

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35	10.292	1392	1395	1397	rBV2	148305	117885	7.04%	0.411%
36	10.357	1401	1406	1408	rVV3	37060	37352	2.23%	0.130%
37	10.410	1412	1415	1418	rVV	78226	94660	5.66%	0.330%
38	10.451	1419	1422	1427	rVB2	60035	77773	4.65%	0.271%
39	10.498	1427	1430	1432	rBV2	29397	29056	1.74%	0.101%
40	10.527	1432	1435	1439	rVV2	357223	333848	19.95%	1.163%
41	10.574	1439	1443	1449	rVB5	27713	44518	2.66%	0.155%
42	10.663	1455	1458	1460	rBV2	140617	161750	9.67%	0.564%
43	10.839	1482	1488	1490	rBV2	38561	53377	3.19%	0.186%
44	10.869	1490	1493	1496	rVV4	40339	50538	3.02%	0.176%
45	10.992	1512	1514	1518	rVV2	49803	52828	3.16%	0.184%
46	11.027	1518	1520	1525	rVB	53099	59302	3.54%	0.207%
47	11.080	1526	1529	1532	rVV2	41465	49859	2.98%	0.174%
48	11.116	1532	1535	1538	rVV2	126799	154869	9.25%	0.540%
49	11.145	1538	1540	1543	rVB	84842	68780	4.11%	0.240%
50	11.227	1550	1554	1556	rBV	686870	623137	37.23%	2.171%
51	11.251	1556	1558	1561	rVV	1325501	985848	58.91%	3.435%
52	11.304	1561	1567	1570	rVV	361606	348850	20.85%	1.216%
53	11.333	1570	1572	1576	rBV3	30624	30275	1.81%	0.105%
54	11.457	1590	1593	1597	rBV2	79979	101348	6.06%	0.353%
55	11.539	1602	1607	1609	rBV2	82453	91820	5.49%	0.320%
56	11.633	1621	1623	1628	rVB2	46027	53210	3.18%	0.185%
57	11.727	1636	1639	1641	rBV	166493	134313	8.03%	0.468%
58	11.757	1641	1644	1649	rVB	241130	211646	12.65%	0.737%
59	11.804	1649	1652	1655	rBV	117576	99148	5.92%	0.345%
60	11.839	1655	1658	1660	rBV2	281376	289281	17.29%	1.008%
61	11.863	1660	1662	1664	rVB	138631	104389	6.24%	0.364%
62	11.945	1674	1676	1681	rVB2	74770	76658	4.58%	0.267%
63	12.021	1686	1689	1691	rVV	185072	170697	10.20%	0.595%
64	12.045	1691	1693	1698	rVB2	96331	85572	5.11%	0.298%
65	12.098	1700	1702	1705	rBV2	35162	40302	2.41%	0.140%
66	12.174	1713	1715	1717	rVB	46993	31974	1.91%	0.111%
67	12.204	1718	1720	1722	rBV	41326	30242	1.81%	0.105%
68	12.227	1722	1724	1726	rVB2	62954	49290	2.95%	0.172%
69	12.280	1730	1733	1737	rBV2	326967	377672	22.57%	1.316%
70	12.333	1740	1742	1745	rVV2	154070	166899	9.97%	0.582%
71	12.357	1745	1746	1753	rVB3	82890	93502	5.59%	0.326%

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72	12.439	1756	1760	1763	rVB	1689833	1520136	90.83%	5.297%
73	12.492	1765	1769	1773	rBV4	54754	105530	6.31%	0.368%
74	12.586	1783	1785	1789	rVB	60094	54348	3.25%	0.189%
75	12.668	1793	1799	1802	rBV	1531404	1673540	100.00%	5.831%
76	12.710	1804	1806	1808	rVB2	94883	85207	5.09%	0.297%
77	12.780	1816	1818	1820	rBV	75122	65925	3.94%	0.230%
78	12.815	1820	1824	1831	rVB	1084384	1121666	67.02%	3.908%
79	12.886	1834	1836	1839	rVB	86263	91197	5.45%	0.318%
80	12.968	1848	1850	1851	rBV2	70734	54250	3.24%	0.189%
81	12.992	1852	1854	1857	rVB2	211402	182274	10.89%	0.635%
82	13.063	1863	1866	1868	rVB	188746	167930	10.03%	0.585%
83	13.098	1868	1872	1875	rBV2	175157	182158	10.88%	0.635%
84	13.186	1885	1887	1890	rVB2	95108	88716	5.30%	0.309%
85	13.221	1890	1893	1896	rBV	79273	87378	5.22%	0.304%
86	13.268	1898	1901	1903	rVV3	68623	83124	4.97%	0.290%
87	13.298	1903	1906	1911	rVB	259447	266272	15.91%	0.928%
88	13.404	1921	1924	1928	rVB2	106650	101115	6.04%	0.352%
89	13.498	1937	1940	1945	rBV2	98132	125807	7.52%	0.438%
90	13.610	1955	1959	1962	rBV2	143561	202458	12.10%	0.705%
91	13.639	1962	1964	1966	rVV	103722	81983	4.90%	0.286%
92	13.721	1973	1978	1985	rBV4	143900	316358	18.90%	1.102%
93	13.857	1997	2001	2004	rBV2	966340	1297097	77.51%	4.520%
94	13.886	2004	2006	2009	rVB	588924	492424	29.42%	1.716%
95	14.045	2031	2033	2036	rVB	150620	138122	8.25%	0.481%
96	14.880	2171	2175	2183	rVB	439516	962595	57.52%	3.354%
97	15.156	2219	2222	2226	rVB	294792	345382	20.64%	1.203%
98	15.215	2229	2232	2239	rVV	378795	497751	29.74%	1.734%
99	15.274	2239	2242	2245	rVB	263949	264824	15.82%	0.923%
100	16.639	2470	2474	2479	rBV2	160703	258962	15.47%	0.902%

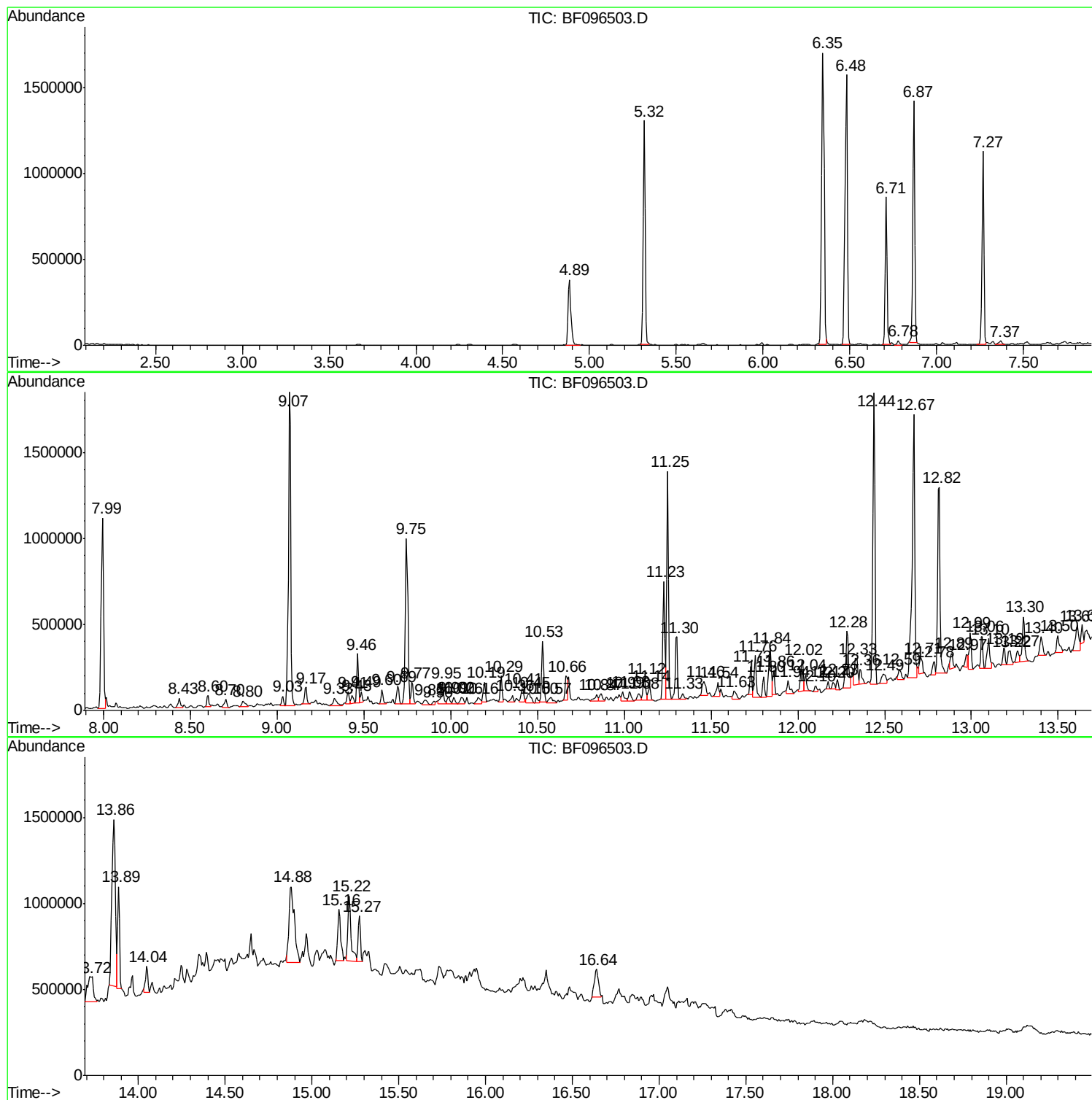
Sum of corrected areas: 28699336

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BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.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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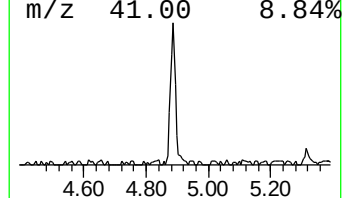
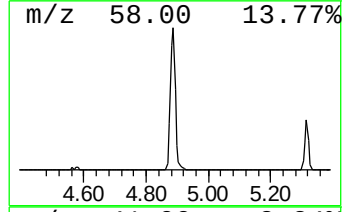
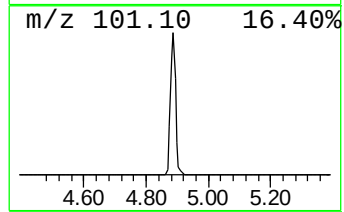
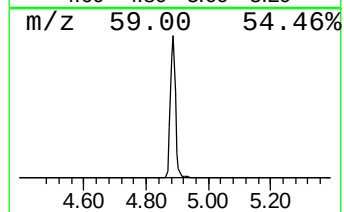
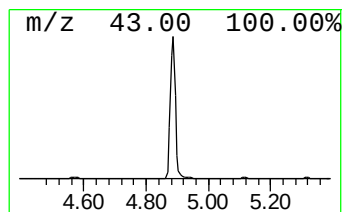
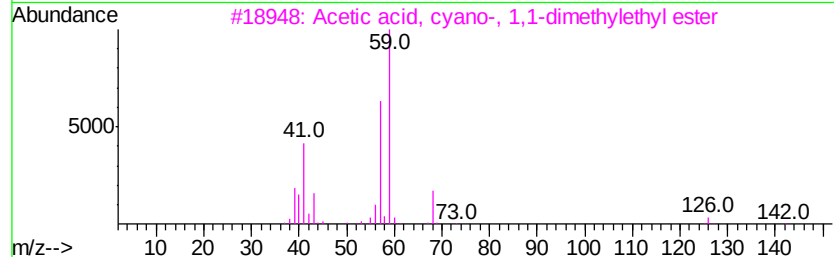
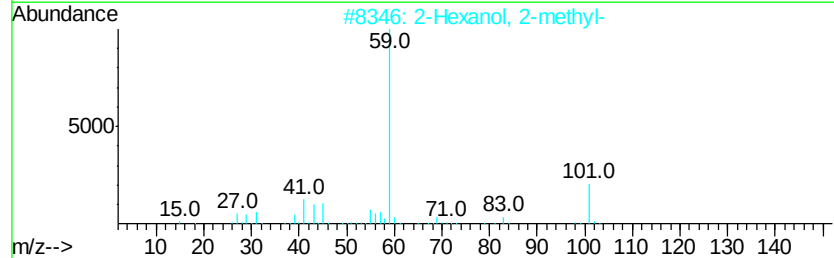
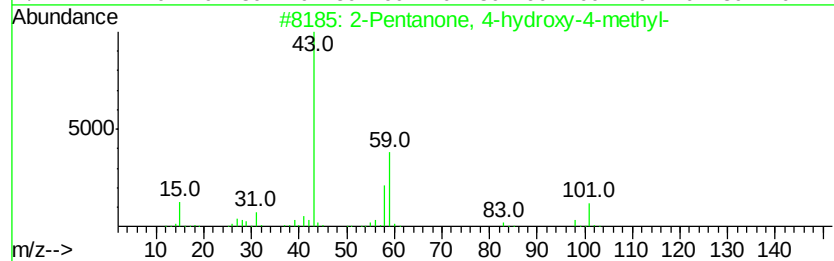
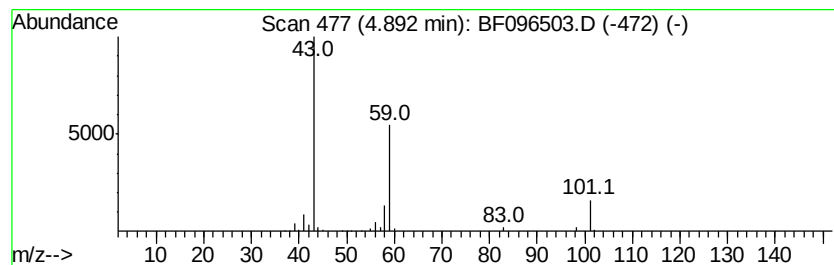
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	12.25 ng	418272	1,4-Dichlorobenzene-d4	6.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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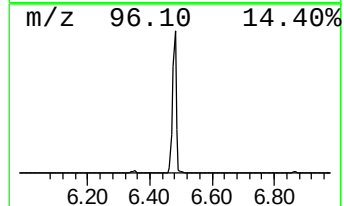
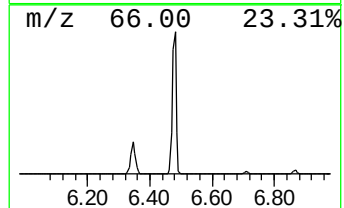
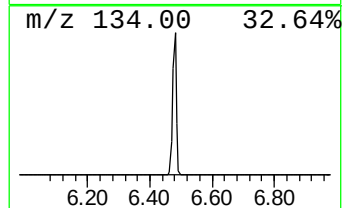
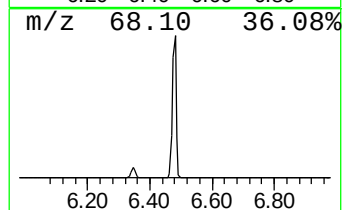
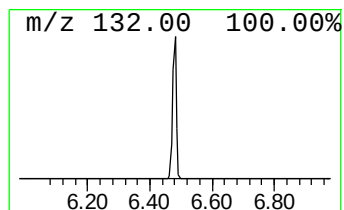
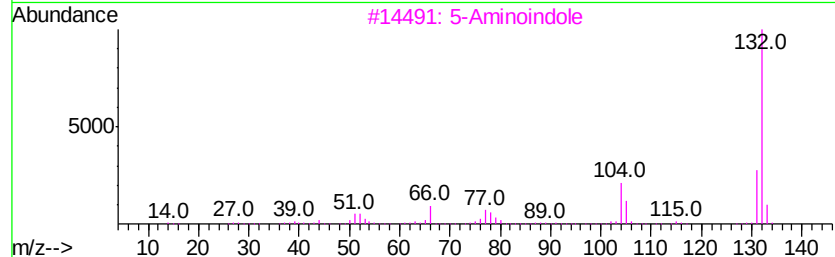
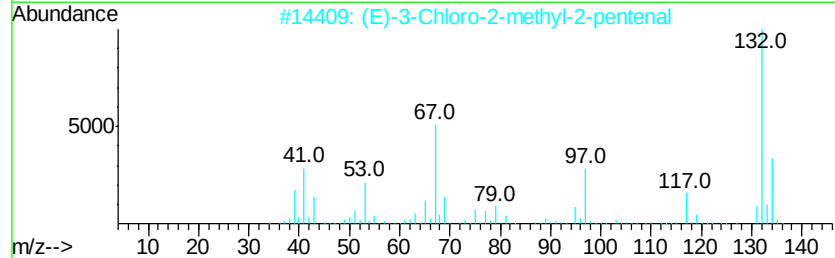
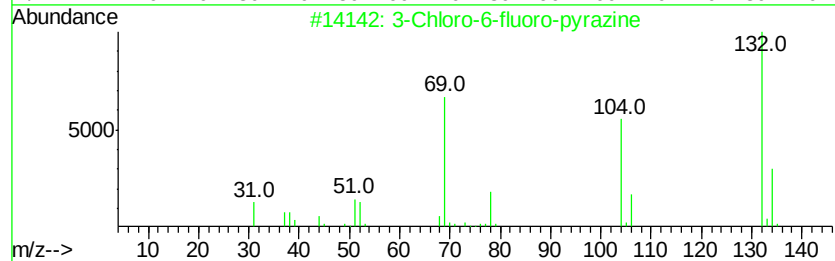
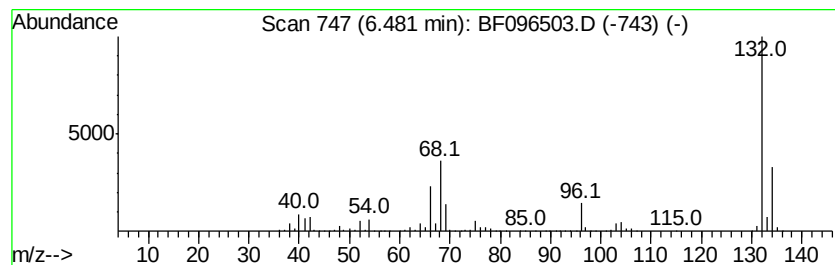
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	39.99 ng	1365040	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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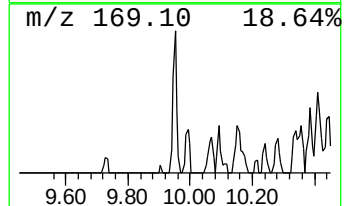
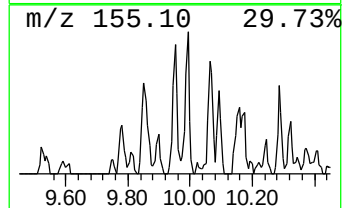
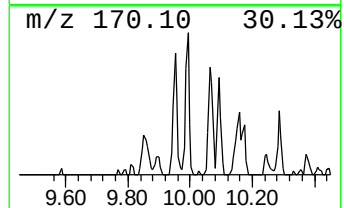
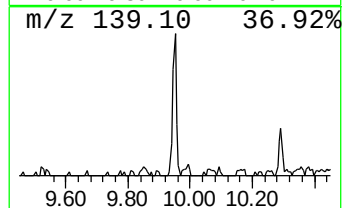
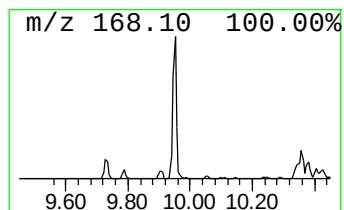
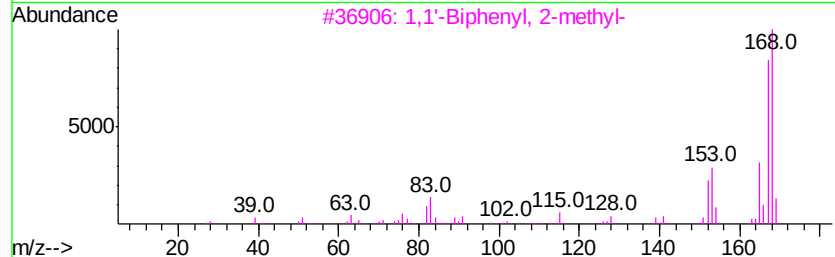
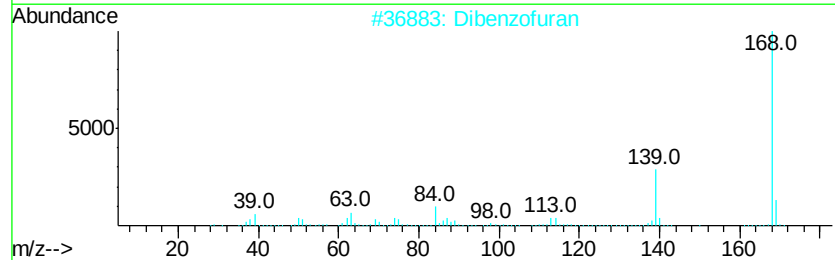
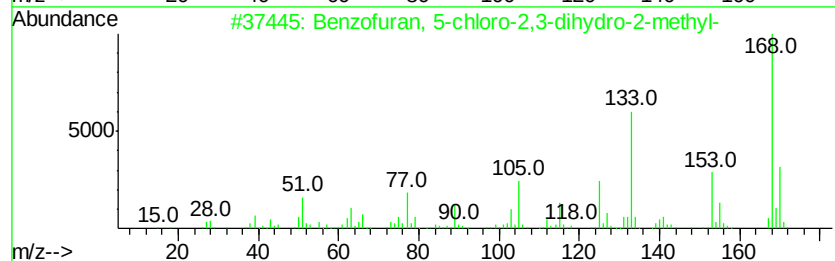
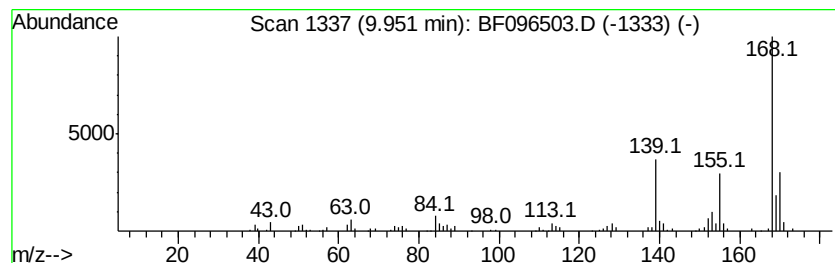
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Peak Number 4 Benzofuran, 5-chloro-2,3-di... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	3.14 ng	132735	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	50
2		Dibenzofuran	168	C12H8O	000132-64-9	49
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47
4		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43
5		Quinoline-4-carbonitrile, 2-methyl-	168	C11H8N2	1000317-19-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
Data File : BF096503.D
Acq On : 6 Jul 2017 1:02
Operator : SJ/MA
Sample : I3976-03 2X
Misc :
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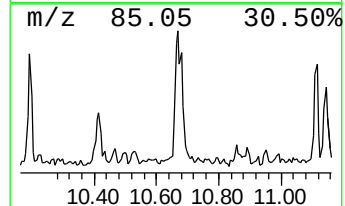
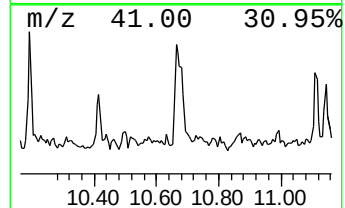
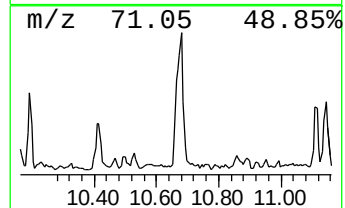
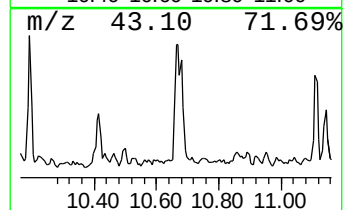
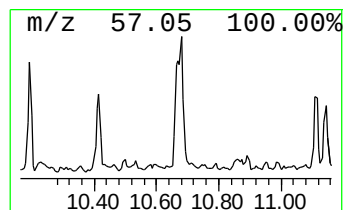
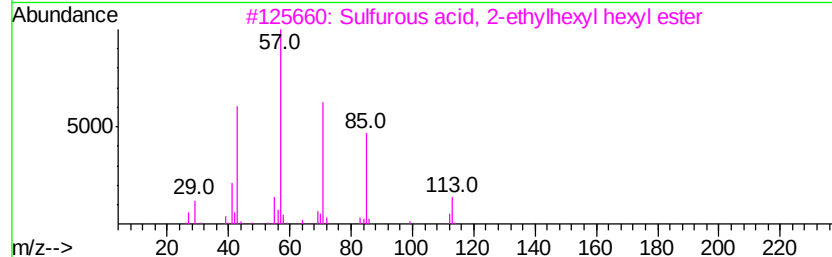
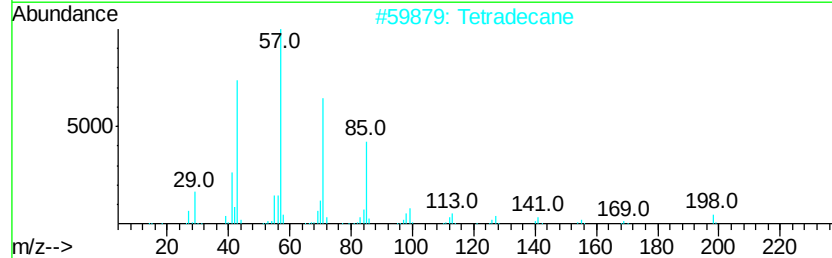
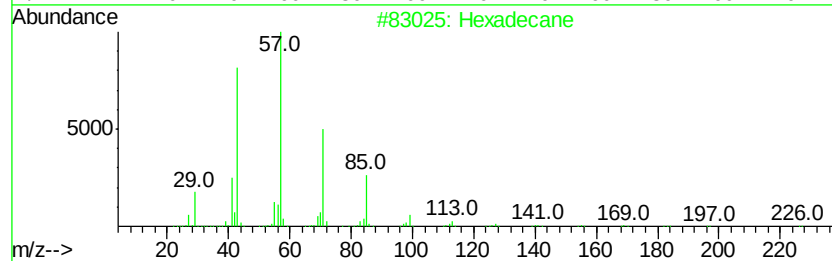
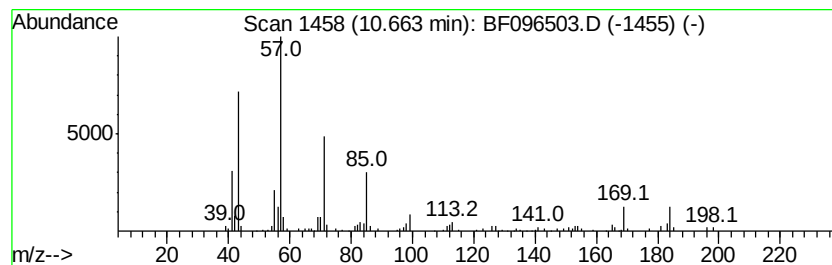
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	5.19 ng	161750	Phenanthrene-d10	11.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane		226 C16H34	000544-76-3 62
2	Tetradecane		198 C14H30	000629-59-4 60
3	Sulfurous acid, 2-ethylhexyl hex...		278 C14H30O3S	1000309-20-2 58
4	Tetradecane, 1-iodo-		324 C14H29I	019218-94-1 58
5	Dodecane, 3-methyl-		184 C13H28	017312-57-1 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
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Sample : I3976-03 2X
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ALS Vial : 31 Sample Multiplier: 1

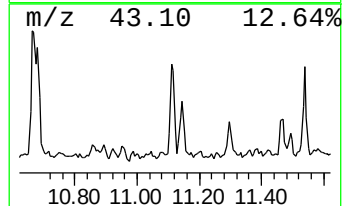
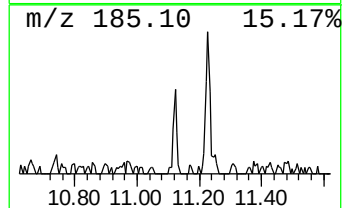
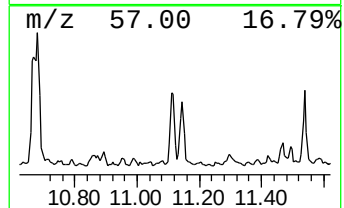
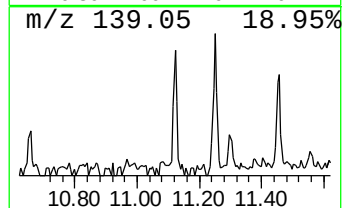
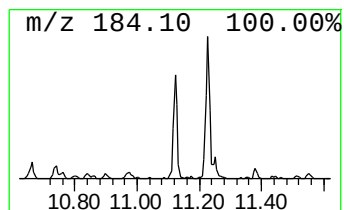
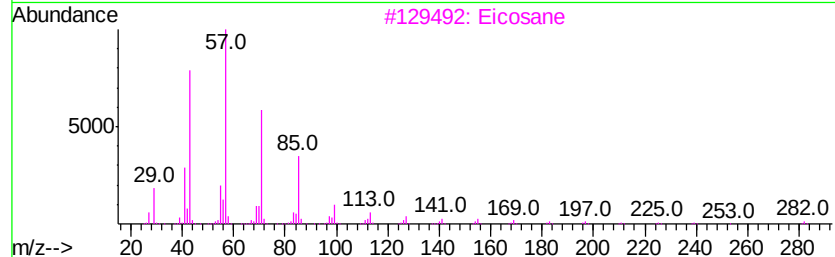
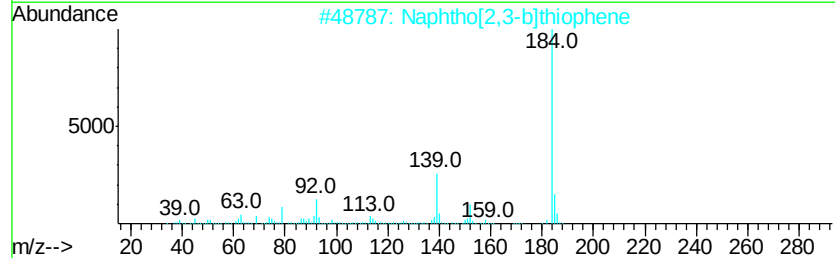
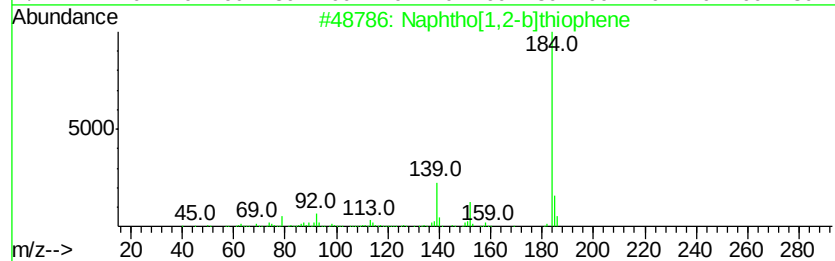
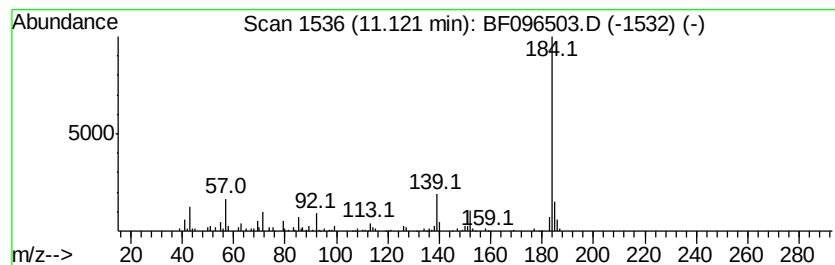
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.12	4.97 ng	154869	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	80
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80
3	Eicosane	282	C20H42	000112-95-8	49
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47
5	10-Methylnonadecane	282	C20H42	056862-62-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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Sample : I3976-03 2X
Misc :
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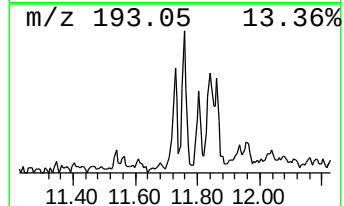
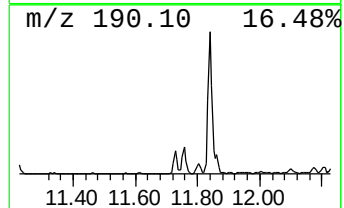
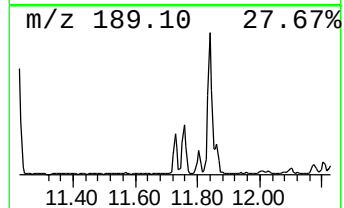
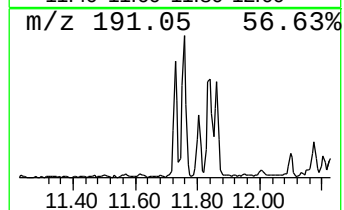
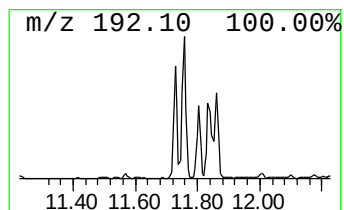
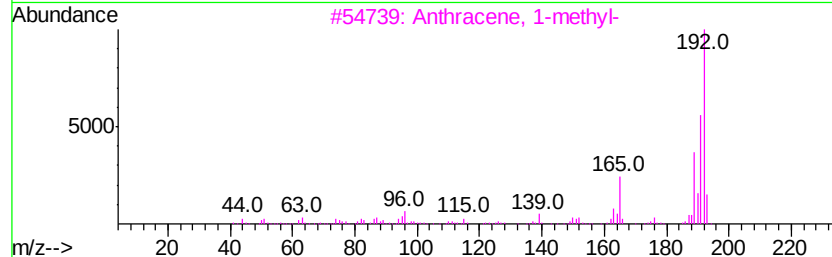
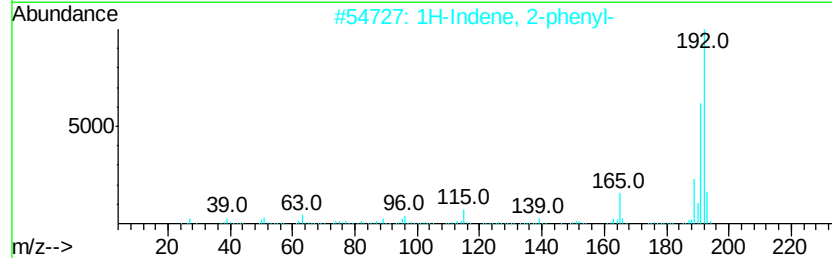
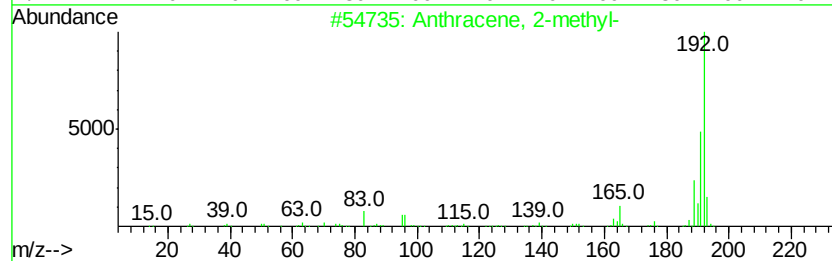
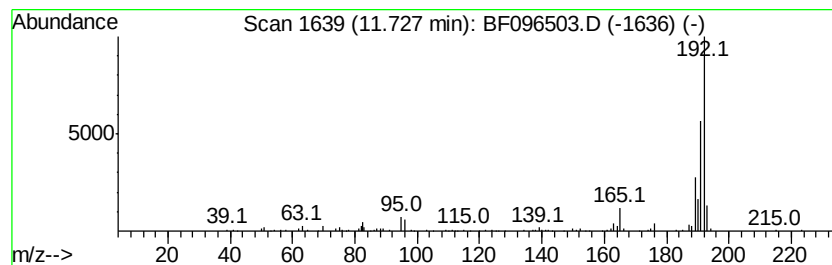
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	4.31 ng	134313	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096503.D
Acq On : 6 Jul 2017 1:02
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Sample : I3976-03 2X
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ClientSampleId :
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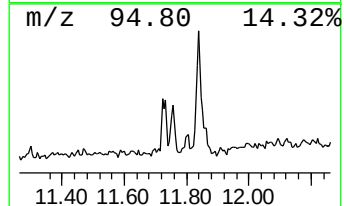
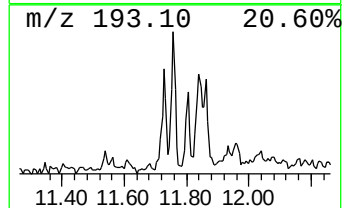
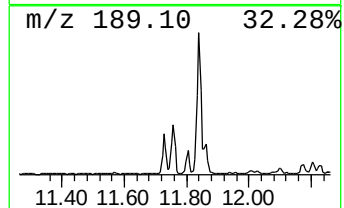
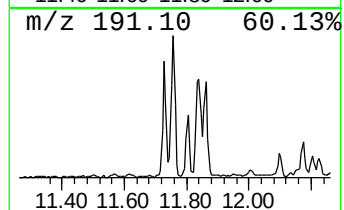
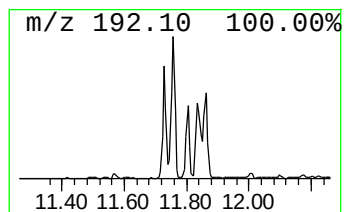
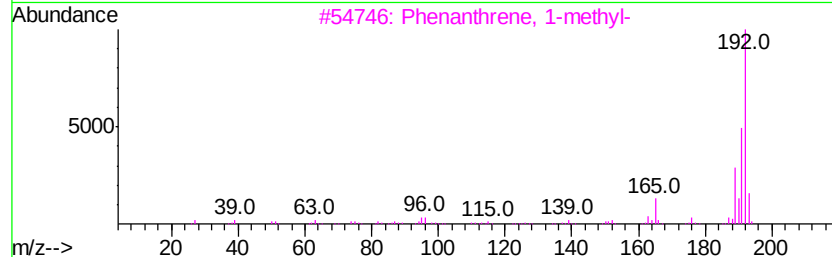
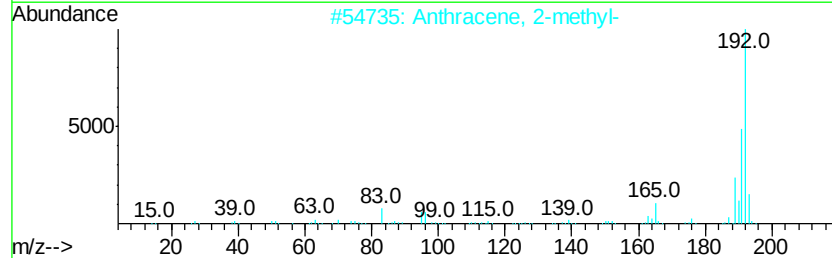
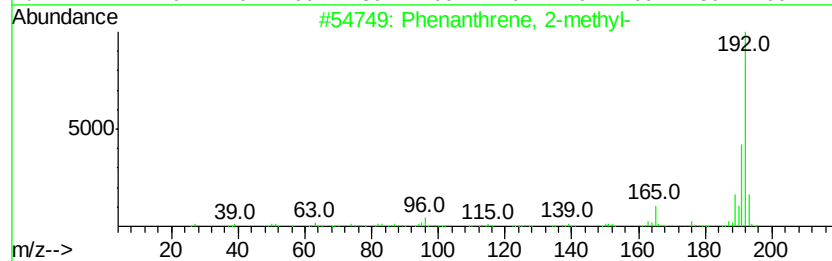
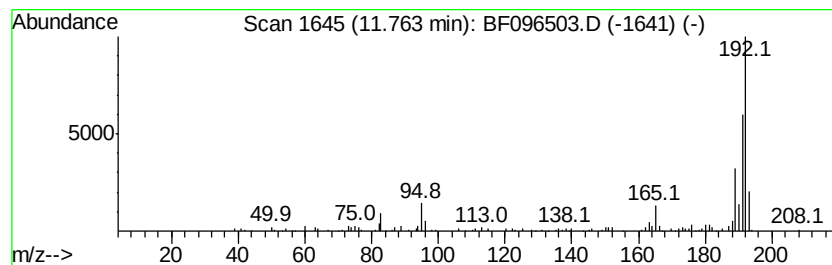
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.79 ng	211646	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1b]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
Data File : BF096503.D
Acq On : 6 Jul 2017 1:02
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Misc :
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Instrument :
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ClientSampleId :
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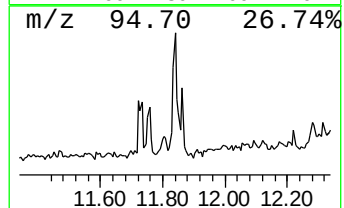
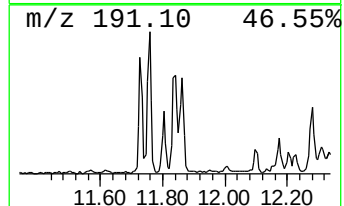
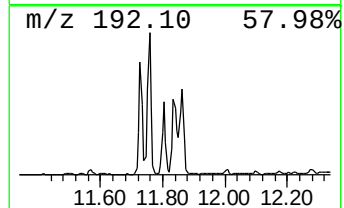
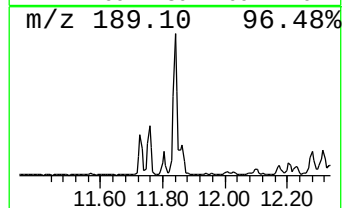
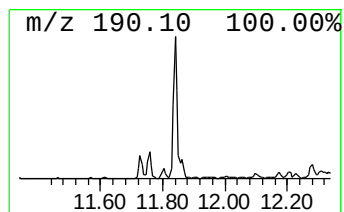
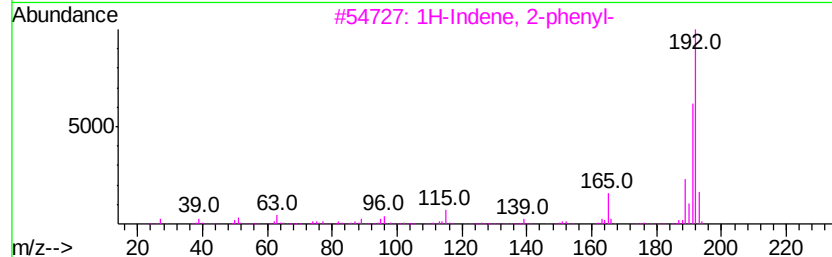
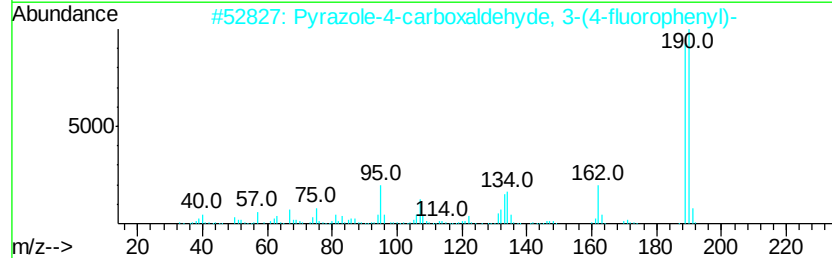
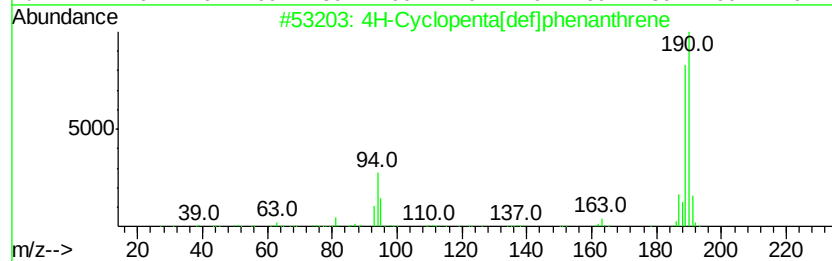
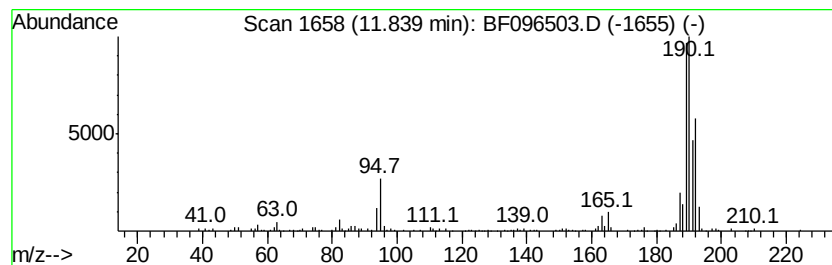
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	9.28 ng	289281	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2			Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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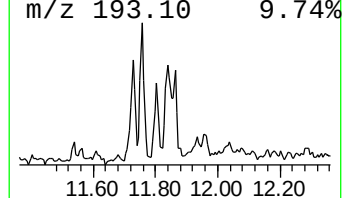
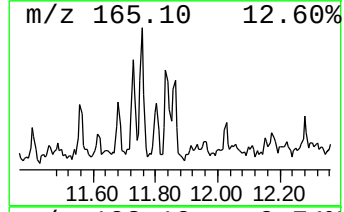
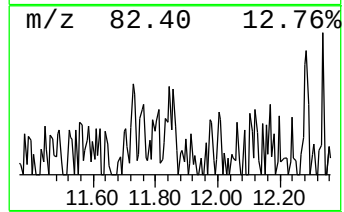
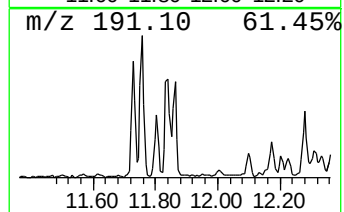
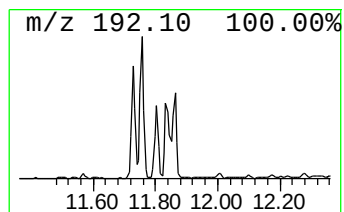
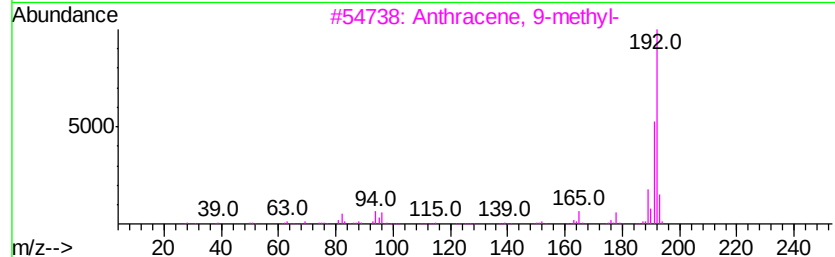
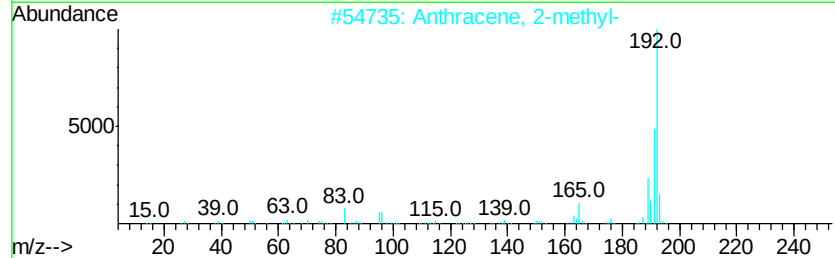
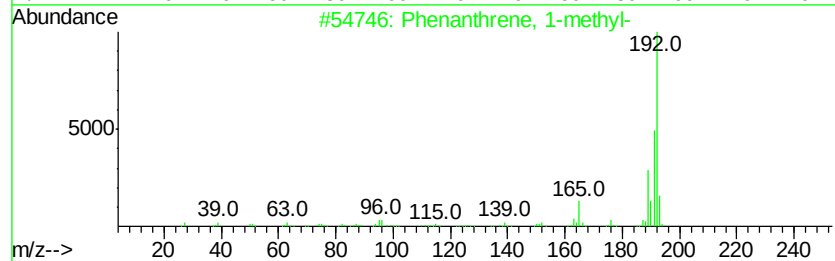
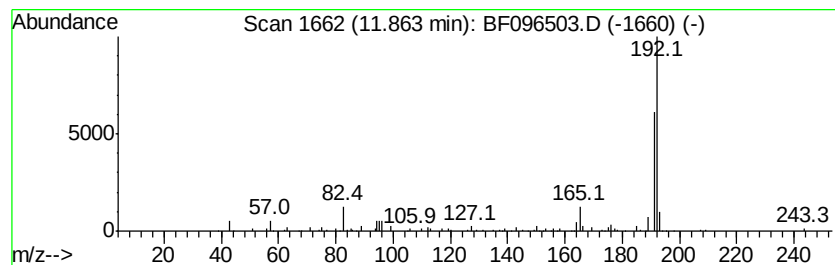
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	3.35 ng	104389	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	72
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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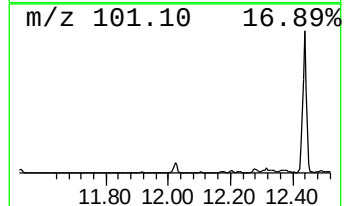
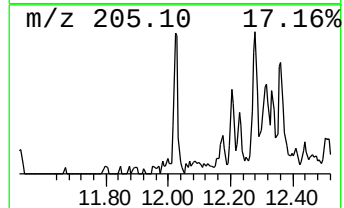
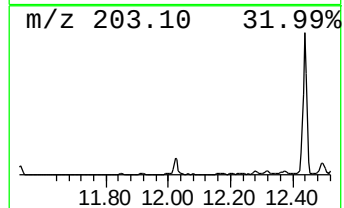
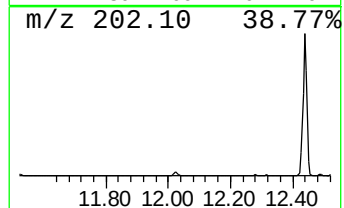
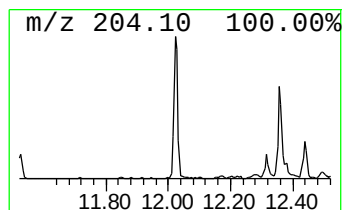
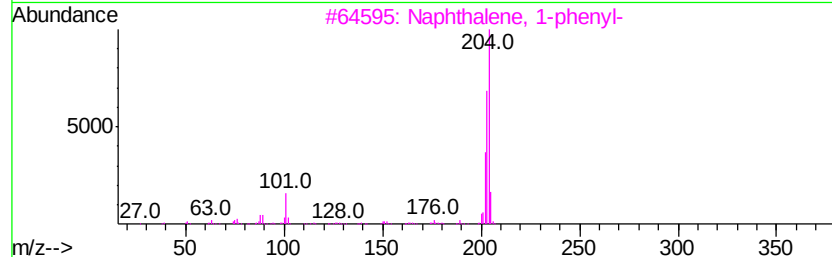
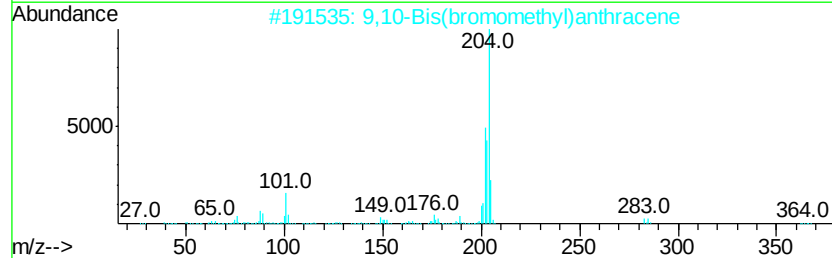
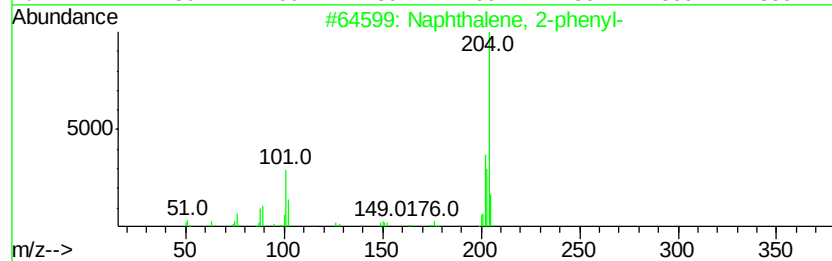
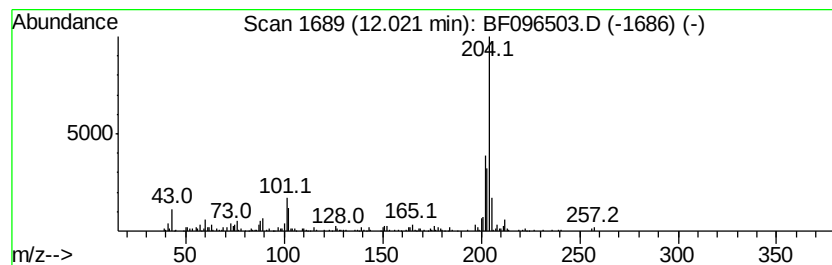
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	5.48 ng	170697	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
Data File : BF096503.D
Acq On : 6 Jul 2017 1:02
Operator : SJ/MA
Sample : I3976-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

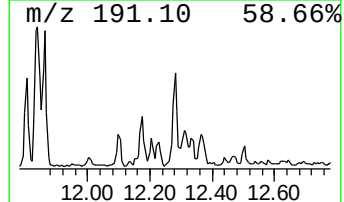
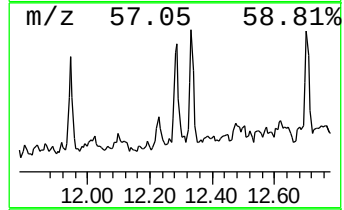
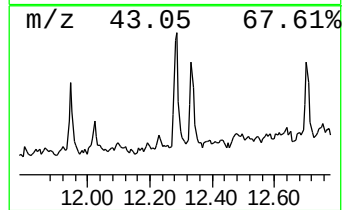
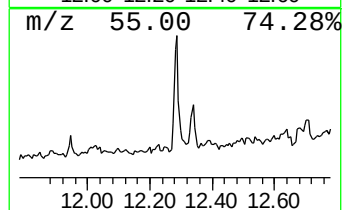
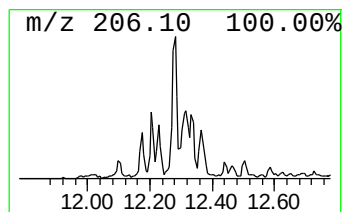
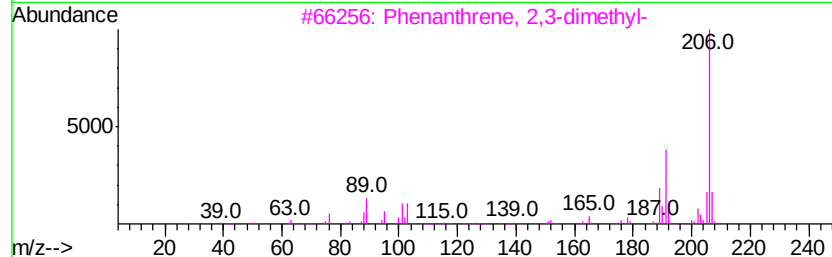
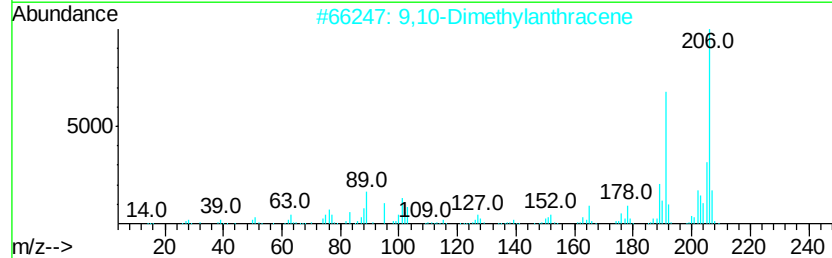
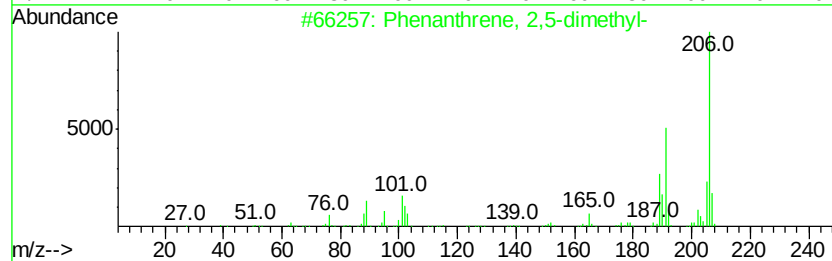
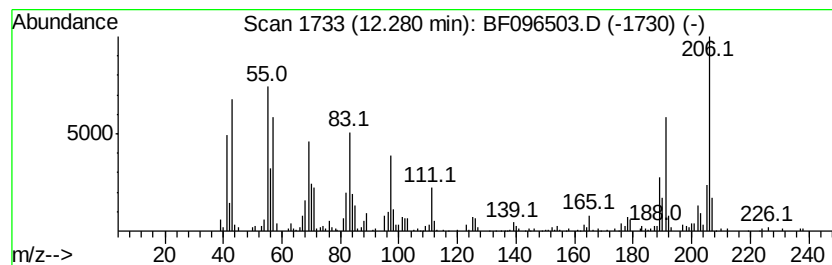
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.28	12.12 ng	377672	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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ClientSampleId :
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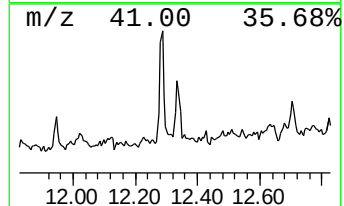
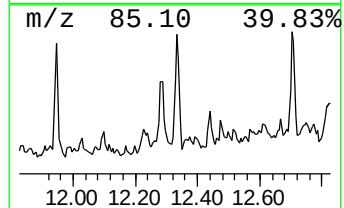
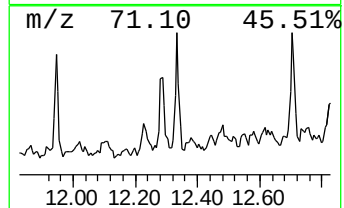
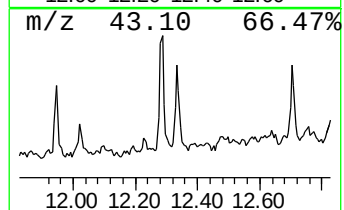
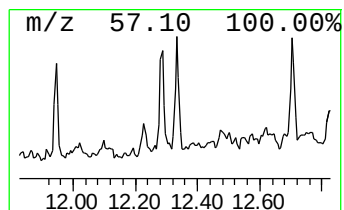
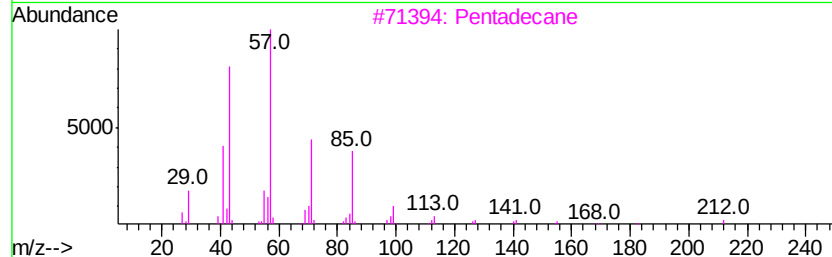
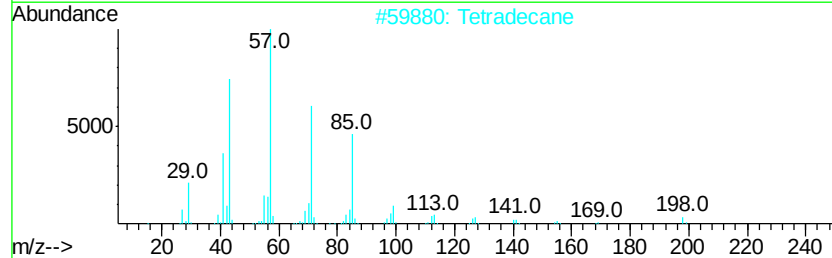
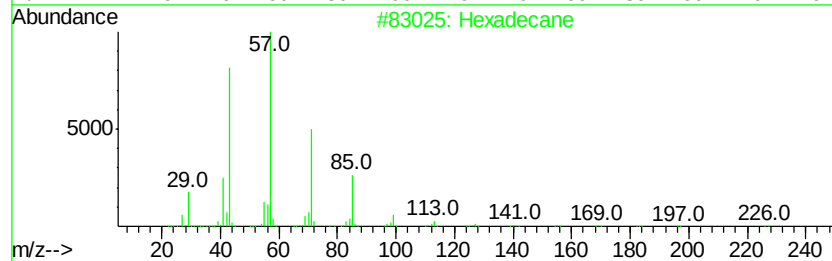
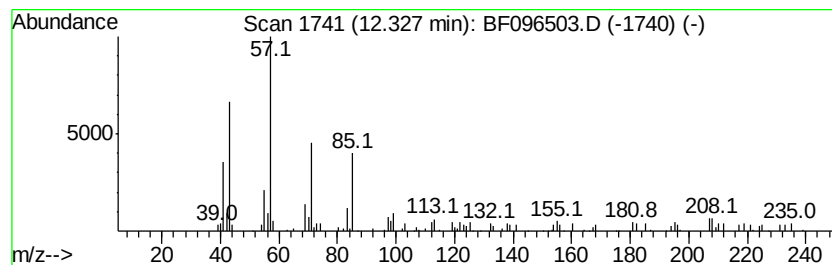
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.36 ng	166899	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	89
2	Tetradecane		198	C14H30	000629-59-4	68
3	Pentadecane		212	C15H32	000629-62-9	68
4	Tridecane, 7-hexyl-		268	C19H40	007225-66-3	64
5	Heptadecane		240	C17H36	000629-78-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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Acq On : 6 Jul 2017 1:02
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Sample : I3976-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

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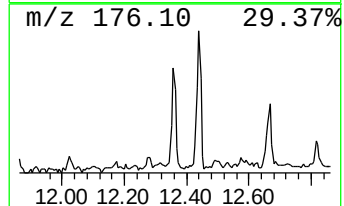
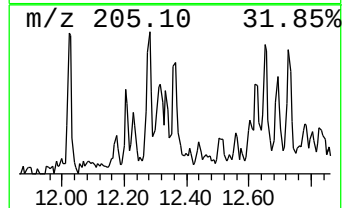
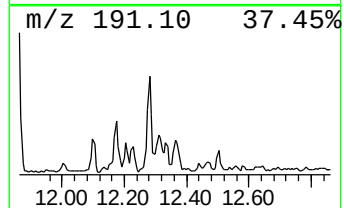
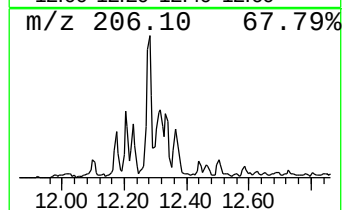
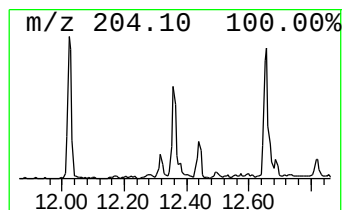
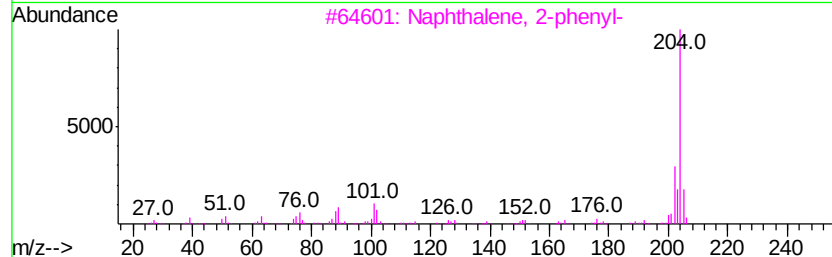
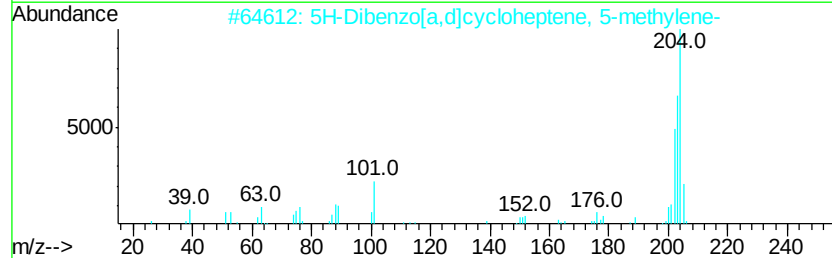
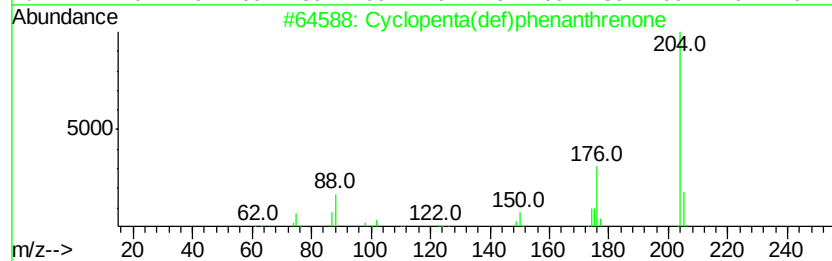
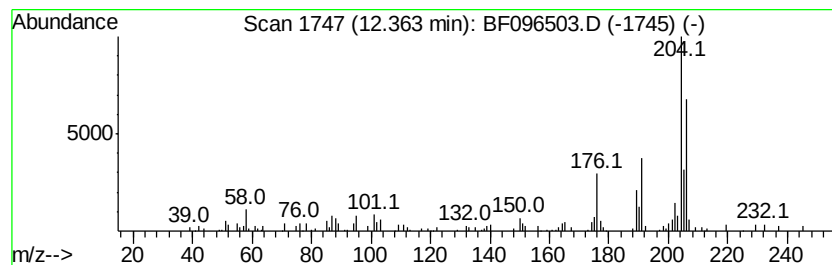
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.00 ng	93502	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
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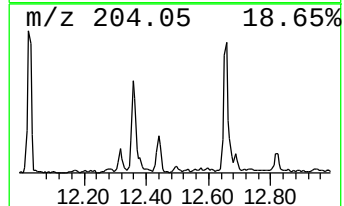
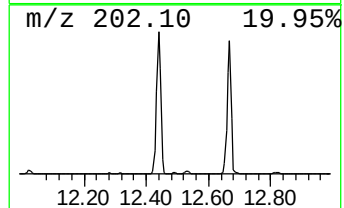
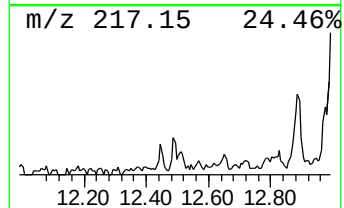
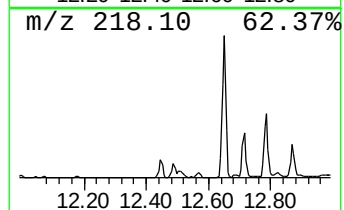
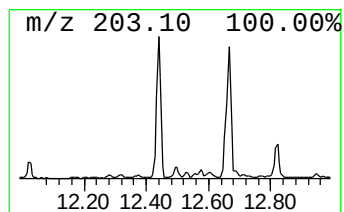
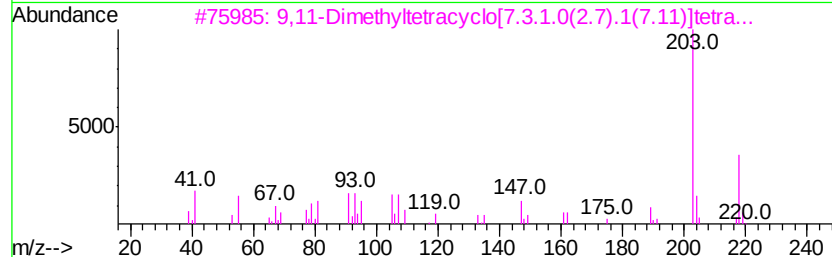
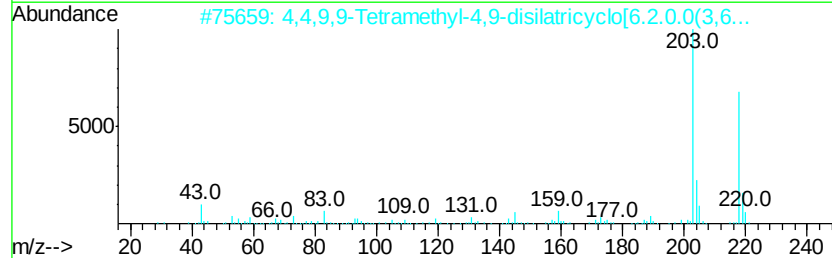
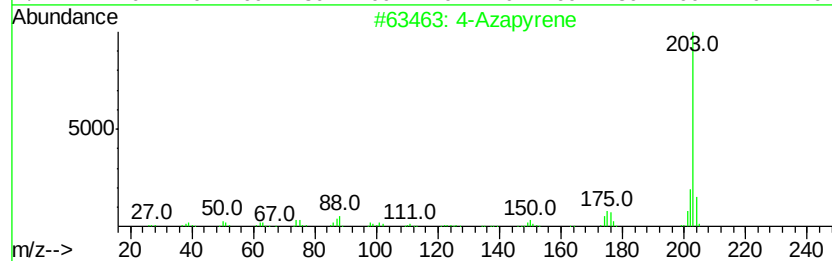
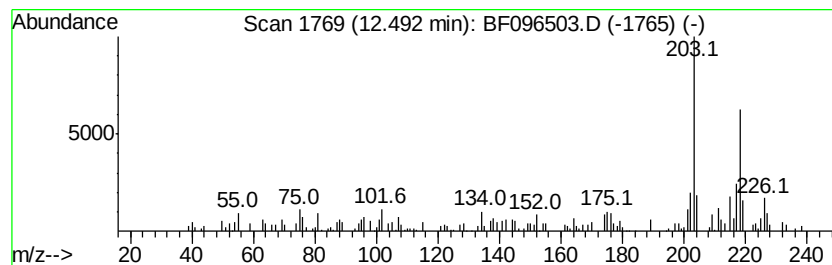
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4-Azapyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.49	3.39 ng	105530	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	83
2	4,4,9,9-Tetramethyl-4,9-disilatr...	218	C12H18Si2	1000280-67-7	58
3	9,11-Dimethyltetracyclo[7.3.1.0(...	218	C16H26	053263-99-3	50
4	Quinolin-8-amine, 5,6-dimethoxy...	218	C12H14N2O2	064992-95-6	47
5	Methane, methoxybis(2-vinylphenyl)-	250	C18H18O	1000210-69-5	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
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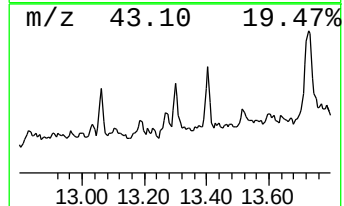
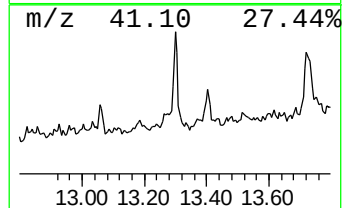
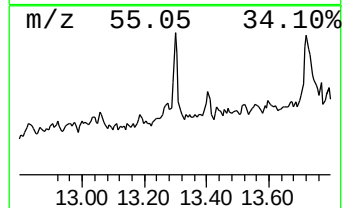
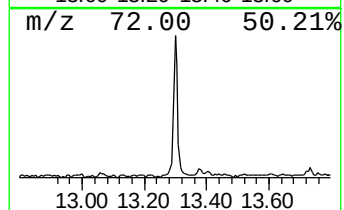
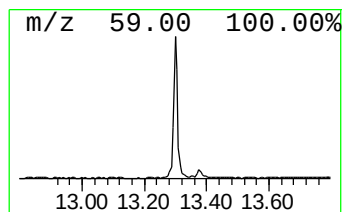
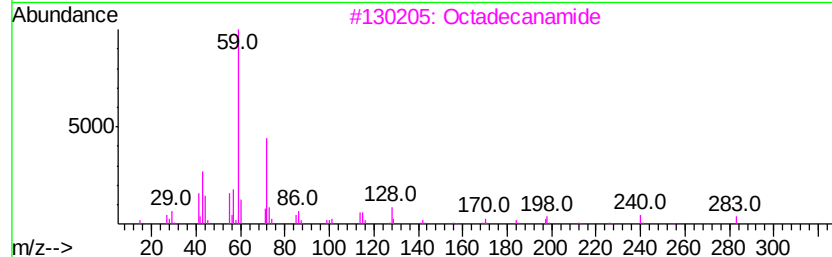
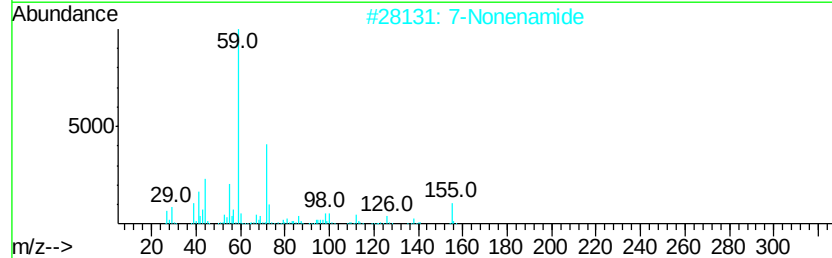
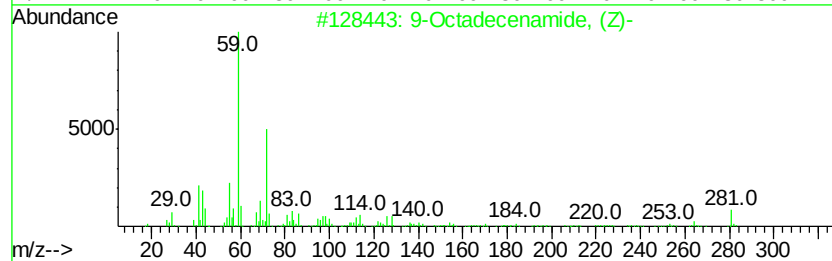
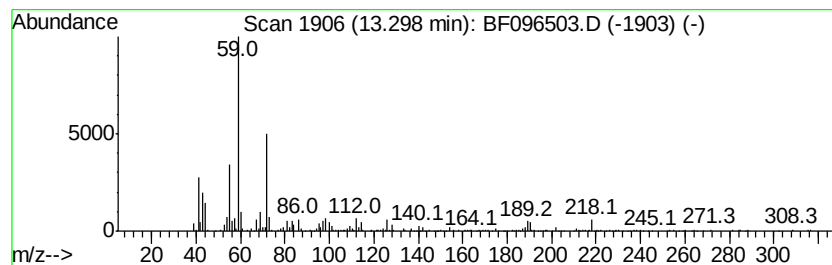
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9-Octadecenamide, (Z)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.30	4.11 ng	266272	Chrysene-d12		13.86
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	93
2	7-Nonenamide	155	C9H17NO	090949-53-4	56
3	Octadecanamide	283	C18H37NO	000124-26-5	53
4	Tetradecanamide	227	C14H29NO	000638-58-4	53
5	Nonadecanamide	297	C19H39NO	058185-32-3	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
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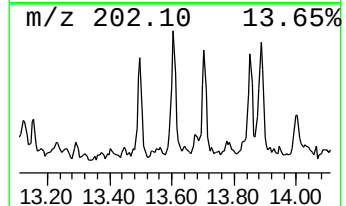
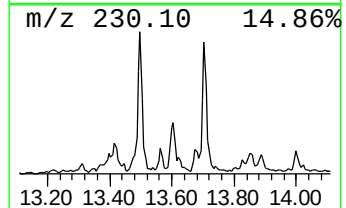
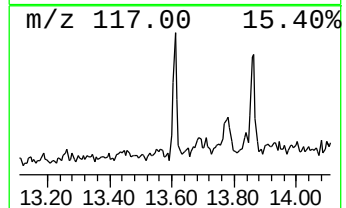
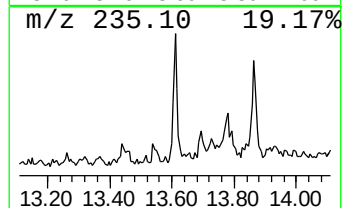
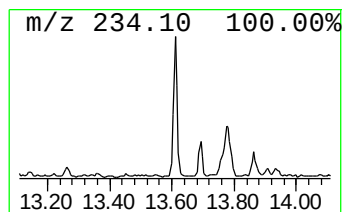
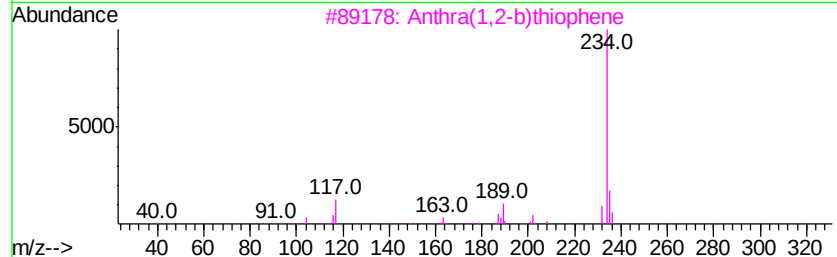
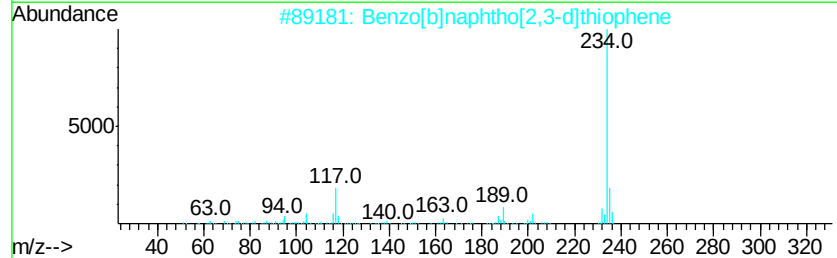
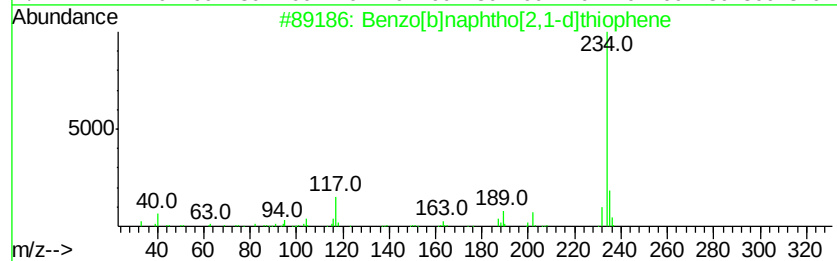
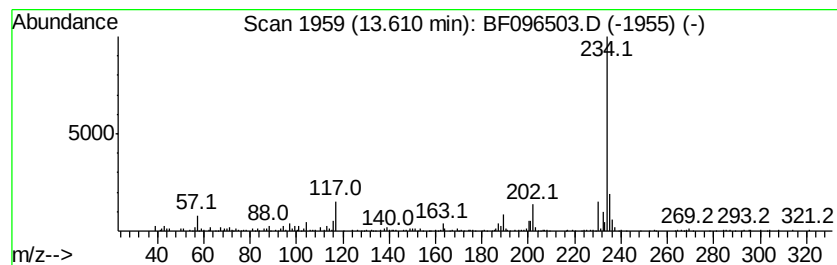
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	3.12 ng	202458	Chrysene-d12	13.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	89
4			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64
5			Thiazol-2-amine, 4-(1-adamantyl)-	234	C13H18N2S	019735-74-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
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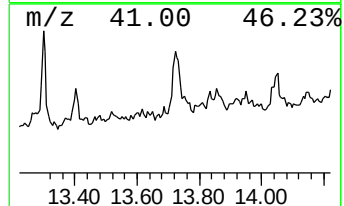
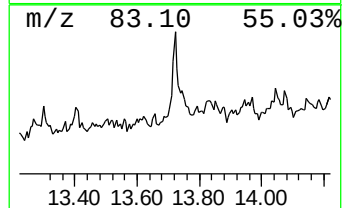
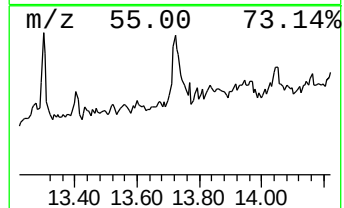
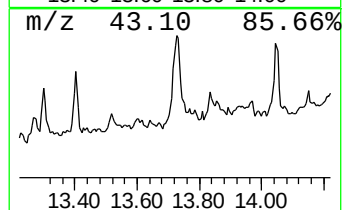
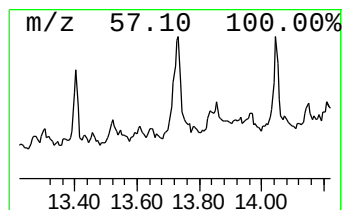
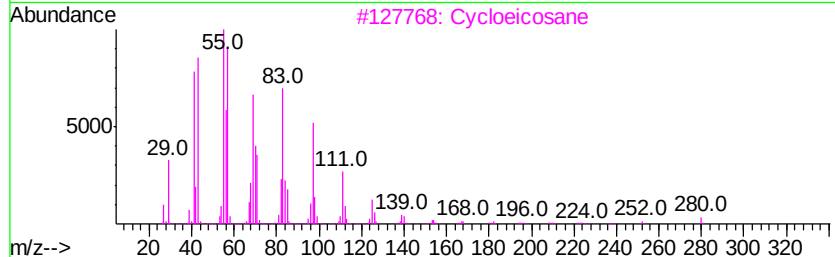
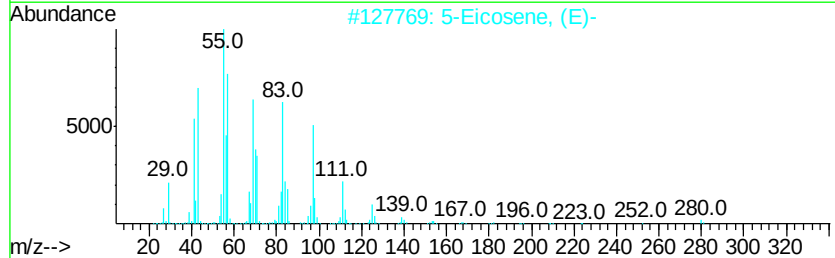
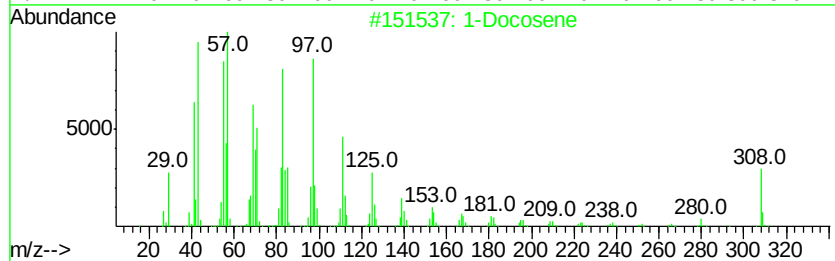
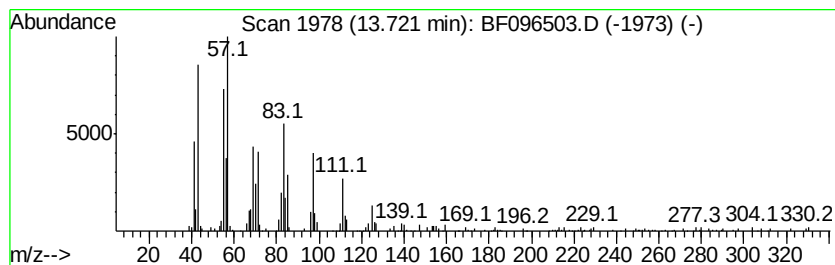
Instrument :
BNA_F
ClientSampleId :
B9-4-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1-Docosene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	4.88 ng	316358	Chrysene-d12	13.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Docosene		308 C22H44	001599-67-3 98
2	5-Eicosene, (E)-		280 C20H40	074685-30-6 98
3	Cycloeicosane		280 C20H40	000296-56-0 95
4	Heptadecyl heptafluorobutyrte		452 C21H35F7O2	959085-66-6 91
5	Octadecyl trifluoroacetate		366 C20H37F3O2	079392-43-1 91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096503.D
Acq On : 6 Jul 2017 1:02
Operator : SJ/MA
Sample : I3976-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B9-4-6

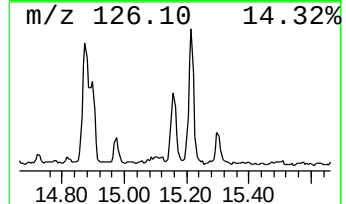
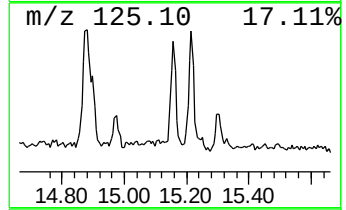
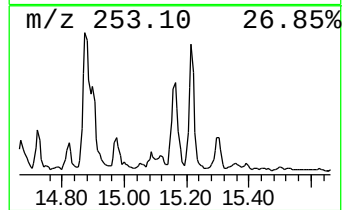
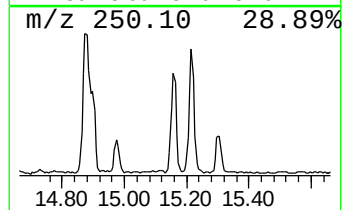
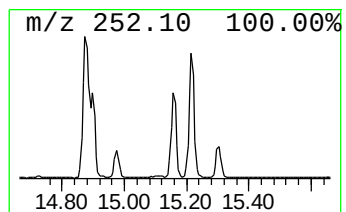
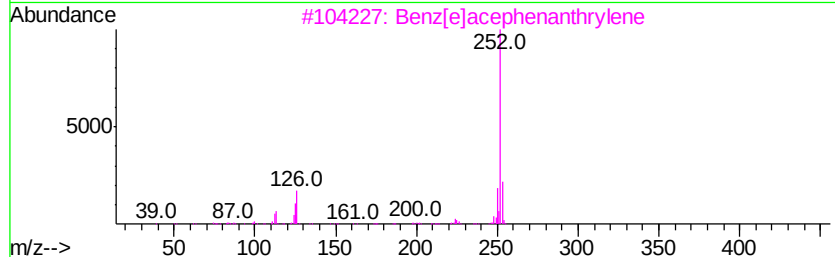
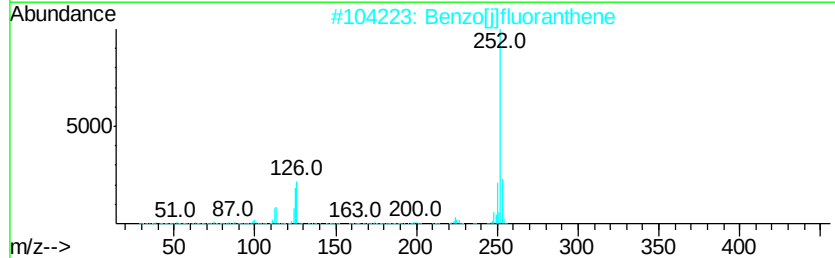
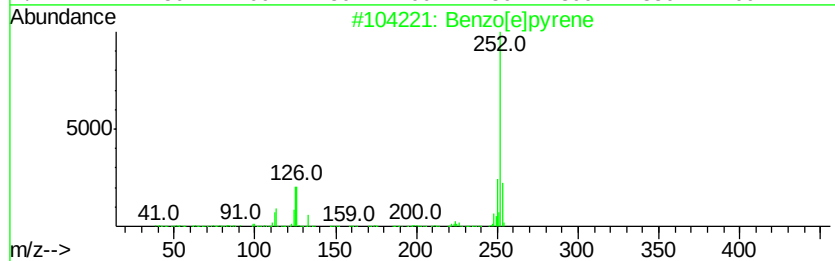
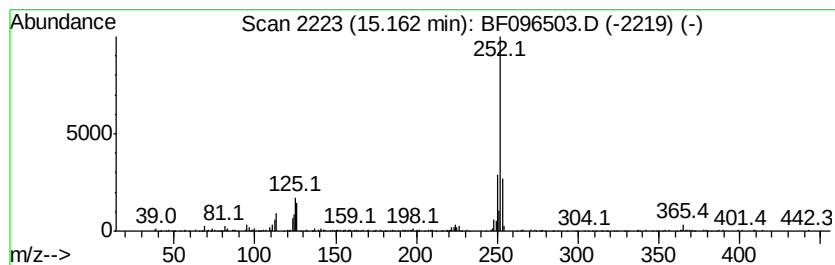
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	26.08 ng	345382	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[il]fluoranthene	252	C20H12	000205-82-3	96
3		Benz[el]acephenanthrylene	252	C20H12	000205-99-2	96
4		Perylene	252	C20H12	000198-55-0	94
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070517\
 Data File : BF096503.D
 Acq On : 6 Jul 2017 1:02
 Operator : SJ/MA
 Sample : I3976-03 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B9-4-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.89	12.3	ng	418272	1	6.71	682698	20.0
unknown6.48	6.48	40.0	ng	1365040	1	6.71	682698	20.0
Benzofuran, 5-chl...	9.95	3.1	ng	132735	3	9.75	846652	20.0
Hexadecane	10.66	5.2	ng	161750	4	11.23	623137	20.0
Naphtho[1,2-b]thi...	11.12	5.0	ng	154869	4	11.23	623137	20.0
Anthracene, 2-met...	11.73	4.3	ng	134313	4	11.23	623137	20.0
Phenanthrene, 2-m...	11.76	6.8	ng	211646	4	11.23	623137	20.0
4H-Cyclopenta[def...	11.84	9.3	ng	289281	4	11.23	623137	20.0
Phenanthrene, 1-m...	11.86	3.4	ng	104389	4	11.23	623137	20.0
Naphthalene, 2-ph...	12.02	5.5	ng	170697	4	11.23	623137	20.0
Phenanthrene, 2,5...	12.28	12.1	ng	377672	4	11.23	623137	20.0
Heptadecane	12.33	5.4	ng	166899	4	11.23	623137	20.0
Cyclopenta(def)ph...	12.36	3.0	ng	93502	4	11.23	623137	20.0
4-Azapyrene	12.49	3.4	ng	105530	4	11.23	623137	20.0
9-Octadecenamide, ...	13.30	4.1	ng	266272	5	13.86	1297100	20.0
Benzo[b]naphtho[2...	13.61	3.1	ng	202458	5	13.86	1297100	20.0
1-Docosene	13.72	4.9	ng	316358	5	13.86	1297100	20.0
Benzo[e]pyrene	15.16	26.1	ng	345382	6	15.27	264824	20.0