

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096883.D
 Acq On : 19 Jul 2017 21:24
 Operator : SJ/JU
 Sample : I4280-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-B

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-BF071317.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	4.763	467	472	480	rBV	206551	298384	11.63%	0.539%
2	4.922	480	499	500	rVV2	45485	165348	6.44%	0.298%
3	5.198	541	546	549	rBV	2327243	2406212	93.77%	4.343%
4	5.381	565	577	579	rBV	42650	108333	4.22%	0.196%
5	6.239	718	723	734	rBV	2251437	2566131	100.00%	4.632%
6	6.357	739	743	747	rVV	2412681	2389079	93.10%	4.312%
7	6.586	778	782	786	rBV	847916	686117	26.74%	1.238%
8	6.745	804	809	812	rBV	2094776	1906102	74.28%	3.441%
9	7.010	851	854	861	rVB	193140	166977	6.51%	0.301%
10	7.151	873	878	881	rBV	1489322	1512059	58.92%	2.729%
11	7.869	996	1000	1002	rBV	1162444	1065324	41.51%	1.923%
12	7.892	1002	1004	1008	rVV	662676	523284	20.39%	0.945%
13	8.580	1117	1121	1125	rBV	783220	656399	25.58%	1.185%
14	8.680	1132	1138	1141	rBV	821715	719427	28.04%	1.299%
15	8.951	1178	1184	1187	rVB	2390175	2364994	92.16%	4.269%
16	9.045	1194	1200	1205	rBV	127335	128804	5.02%	0.232%
17	9.139	1214	1216	1222	rVB	112167	141707	5.52%	0.256%
18	9.210	1222	1228	1231	rBV	375683	503215	19.61%	0.908%
19	9.280	1236	1240	1242	rBV	604288	586560	22.86%	1.059%
20	9.304	1242	1244	1248	rVB	320531	282897	11.02%	0.511%
21	9.345	1248	1251	1253	rVB	292589	252020	9.82%	0.455%
22	9.398	1256	1260	1262	rBV	294535	305259	11.90%	0.551%
23	9.480	1268	1274	1277	rBV	409051	397075	15.47%	0.717%
24	9.616	1292	1297	1300	rVV	914973	921842	35.92%	1.664%
25	9.651	1300	1303	1307	rVV	516792	484328	18.87%	0.874%
26	9.727	1312	1316	1320	rVV2	124747	154979	6.04%	0.280%
27	9.822	1326	1332	1336	rVV	447288	488113	19.02%	0.881%
28	9.863	1336	1339	1342	rVV	250143	211021	8.22%	0.381%
29	9.939	1347	1352	1354	rBV2	217618	272626	10.62%	0.492%
30	9.963	1354	1356	1359	rVV	158391	145084	5.65%	0.262%
31	10.027	1363	1367	1368	rVV3	140748	180897	7.05%	0.327%
32	10.069	1372	1374	1377	rVV	145766	108207	4.22%	0.195%
33	10.116	1377	1382	1384	rVV4	102590	161942	6.31%	0.292%
34	10.163	1387	1390	1396	rVV	965939	917652	35.76%	1.656%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

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Stop Thrs : 0

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Min Area: 3 % of largest Peak

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.227	1396	1401	1403	rVV	177182	241279	9.40%	0.436%
36	10.245	1403	1404	1407	rVV2	155224	132307	5.16%	0.239%
37	10.274	1407	1409	1411	rVV3	110990	130019	5.07%	0.235%
38	10.322	1414	1417	1423	rVV3	180146	234407	9.13%	0.423%
39	10.404	1423	1431	1435	rVV	1314315	1319162	51.41%	2.381%
40	10.533	1449	1453	1459	rBV3	149877	199747	7.78%	0.361%
41	10.710	1478	1483	1485	rBV	276768	361639	14.09%	0.653%
42	10.739	1485	1488	1491	rVV	232650	239568	9.34%	0.432%
43	10.792	1494	1497	1500	rVB	208732	203273	7.92%	0.367%
44	10.986	1527	1530	1533	rVV	351785	342384	13.34%	0.618%
45	11.098	1543	1549	1550	rBV	672442	687339	26.79%	1.241%
46	11.127	1550	1554	1557	rVB	2355371	2435766	94.92%	4.397%
47	11.169	1557	1561	1564	rVB	830352	776778	30.27%	1.402%
48	11.210	1564	1568	1571	rBV	157167	198572	7.74%	0.358%
49	11.327	1585	1588	1591	rVB	228535	206761	8.06%	0.373%
50	11.392	1596	1599	1601	rVV	124952	114256	4.45%	0.206%
51	11.421	1601	1604	1608	rVV3	219707	250487	9.76%	0.452%
52	11.510	1615	1619	1623	rVB	158633	177318	6.91%	0.320%
53	11.598	1630	1634	1636	rVV	706864	661045	25.76%	1.193%
54	11.627	1636	1639	1641	rVV	833853	697804	27.19%	1.260%
55	11.674	1644	1647	1649	rBV	297351	270491	10.54%	0.488%
56	11.704	1649	1652	1655	rVV	965711	1111931	43.33%	2.007%
57	11.727	1655	1656	1662	rVB	539334	424221	16.53%	0.766%
58	11.798	1662	1668	1670	rBV3	61377	111905	4.36%	0.202%
59	11.827	1670	1673	1676	rVB3	114611	112220	4.37%	0.203%
60	11.892	1678	1684	1686	rBV	324362	341926	13.32%	0.617%
61	11.916	1686	1688	1694	rVB4	128017	168716	6.57%	0.305%
62	12.039	1707	1709	1712	rVV	133314	135768	5.29%	0.245%
63	12.068	1712	1714	1717	rVV	192047	206282	8.04%	0.372%
64	12.098	1717	1719	1722	rVB	152601	125619	4.90%	0.227%
65	12.145	1722	1727	1730	rBV	515007	605342	23.59%	1.093%
66	12.180	1730	1733	1735	rVV	338554	399450	15.57%	0.721%
67	12.204	1735	1737	1739	rVV	193220	146568	5.71%	0.265%
68	12.239	1739	1743	1746	rVV4	197516	300238	11.70%	0.542%
69	12.310	1750	1755	1758	rVV	2045037	1972649	76.87%	3.561%
70	12.357	1760	1763	1764	rVV	116630	131401	5.12%	0.237%
71	12.398	1767	1770	1773	rVV2	106801	115983	4.52%	0.209%

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72	12.451	1776	1779	1781	rVV	134997	150151	5.85%	0.271%
73	12.533	1788	1793	1796	rVV	2004407	2450413	95.49%	4.423%
74	12.598	1802	1804	1807	rVB	151521	127573	4.97%	0.230%
75	12.651	1810	1813	1814	rVV	170278	152976	5.96%	0.276%
76	12.680	1814	1818	1825	rVB	1492119	1532060	59.70%	2.765%
77	12.751	1825	1830	1833	rBV3	276075	380270	14.82%	0.686%
78	12.839	1841	1845	1846	rVV3	233606	296783	11.57%	0.536%
79	12.857	1846	1848	1852	rVB	540690	545264	21.25%	0.984%
80	12.927	1857	1860	1863	rVV	539678	496654	19.35%	0.896%
81	12.963	1863	1866	1870	rVV	462047	477601	18.61%	0.862%
82	13.051	1878	1881	1884	rVV	329383	336535	13.11%	0.607%
83	13.086	1884	1887	1891	rVV	362509	361452	14.09%	0.652%
84	13.345	1927	1931	1933	rBV2	135199	192886	7.52%	0.348%
85	13.474	1948	1953	1955	rBV2	207404	295540	11.52%	0.533%
86	13.498	1955	1957	1959	rVV	160648	140715	5.48%	0.254%
87	13.586	1968	1972	1979	rVB6	95563	215161	8.38%	0.388%
88	13.721	1990	1995	1998	rBV2	1133555	1720852	67.06%	3.106%
89	13.751	1998	2000	2008	rVB	966021	850671	33.15%	1.535%
90	13.827	2011	2013	2016	rVV	153444	119416	4.65%	0.216%
91	14.110	2057	2061	2064	rVV	330441	375285	14.62%	0.677%
92	14.145	2064	2067	2069	rVB	193787	162328	6.33%	0.293%
93	14.233	2079	2082	2084	rBV2	133557	113251	4.41%	0.204%
94	14.727	2161	2166	2175	rBV	549959	1088391	42.41%	1.965%
95	14.815	2178	2181	2186	rVB2	170231	184558	7.19%	0.333%
96	14.986	2206	2210	2216	rVB	371252	428941	16.72%	0.774%
97	15.045	2216	2220	2224	rBV	574102	662193	25.81%	1.195%
98	15.098	2225	2229	2231	rBV	372970	393901	15.35%	0.711%
99	16.374	2442	2446	2453	rVB2	187557	349141	13.61%	0.630%
100	16.762	2507	2512	2518	rBV	172911	331489	12.92%	0.598%

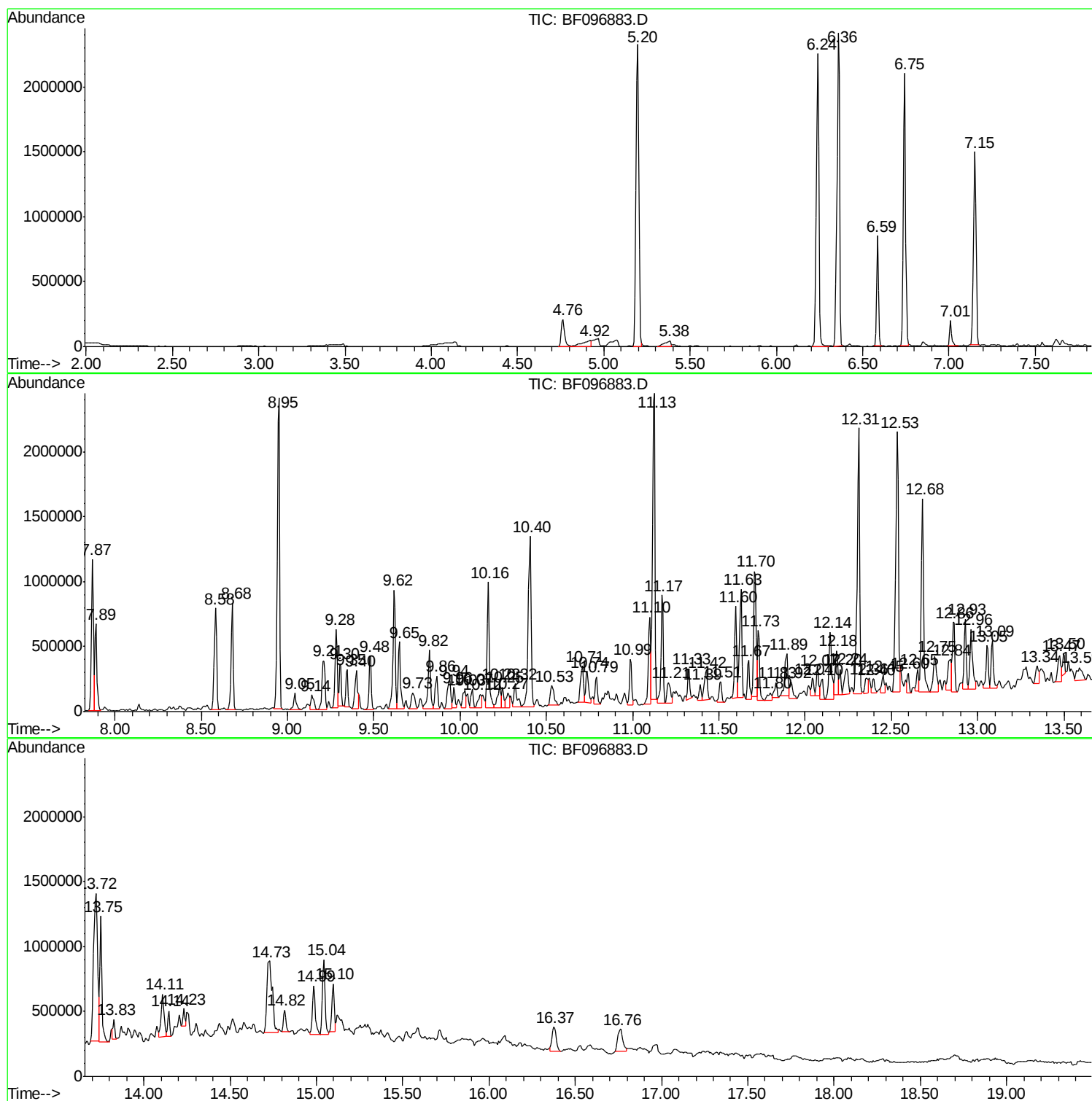
Sum of corrected areas: 55401470

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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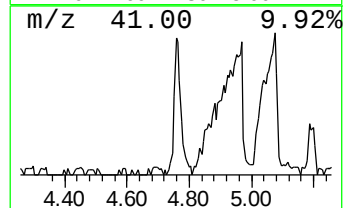
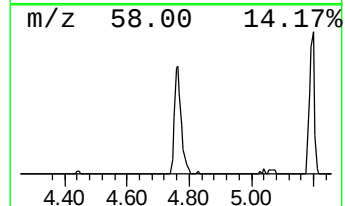
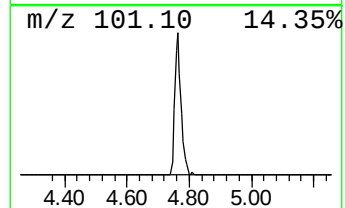
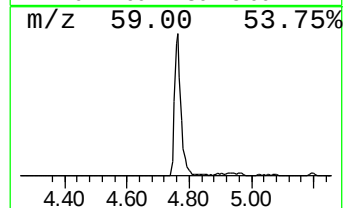
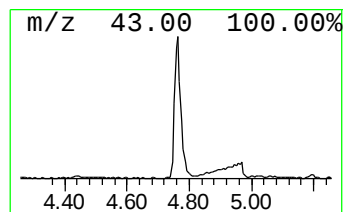
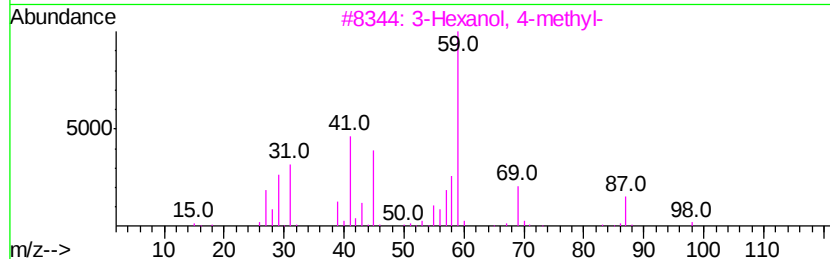
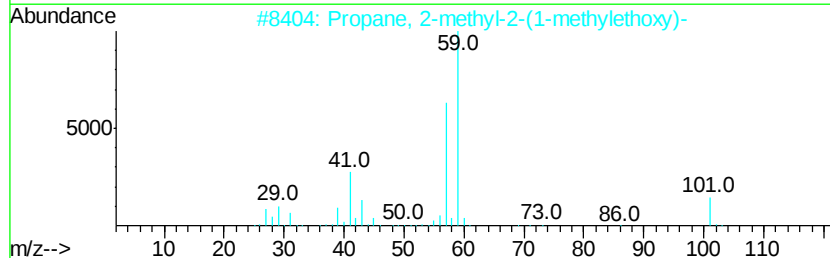
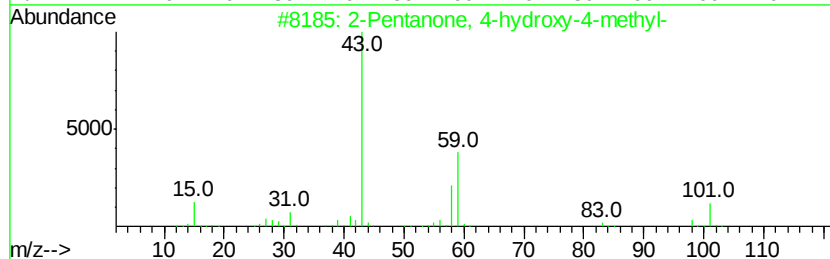
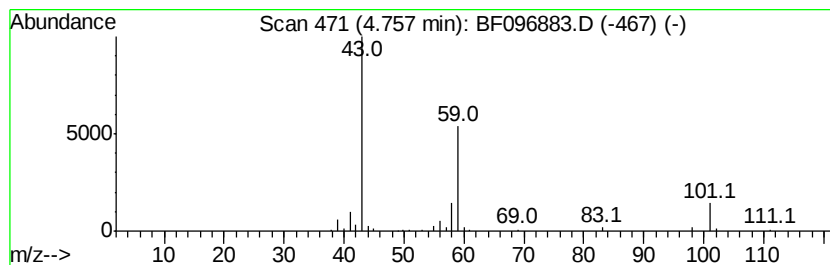
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.76	8.70 ng	298384	1,4-Dichlorobenzene-d4	6.59	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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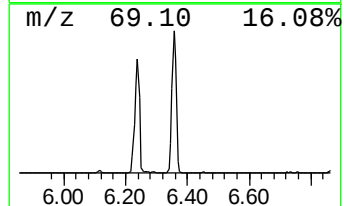
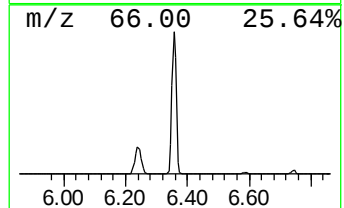
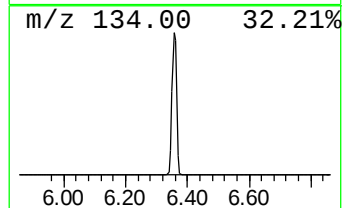
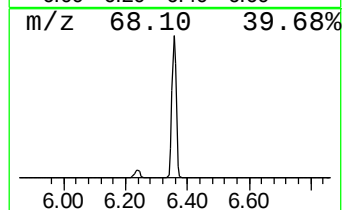
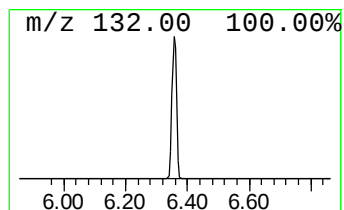
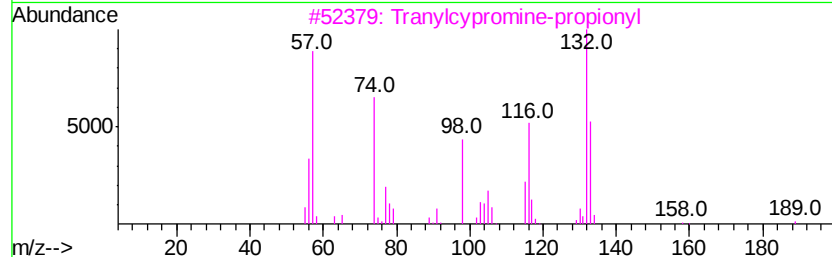
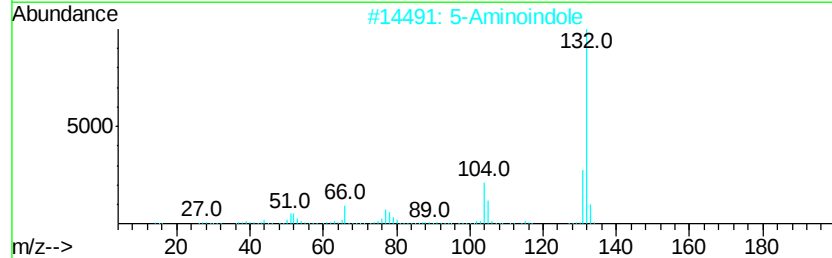
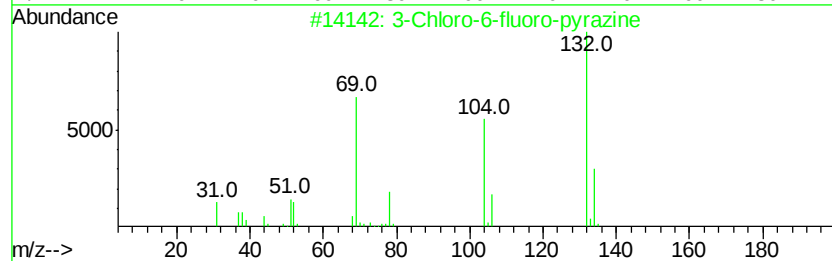
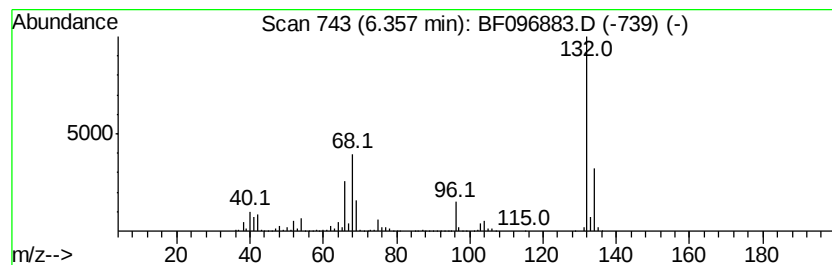
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	69.64 ng	2389080	1,4-Dichlorobenzene-d4	6.59

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			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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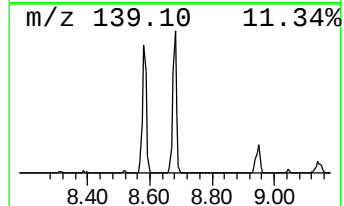
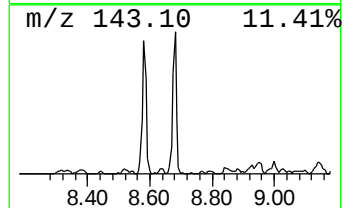
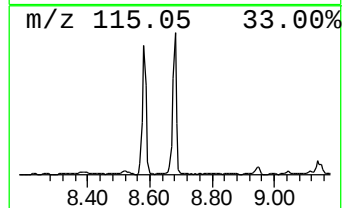
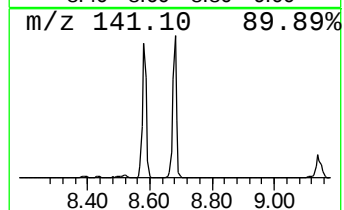
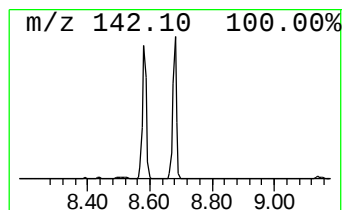
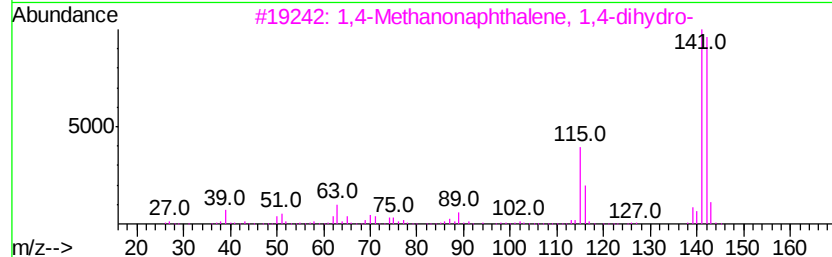
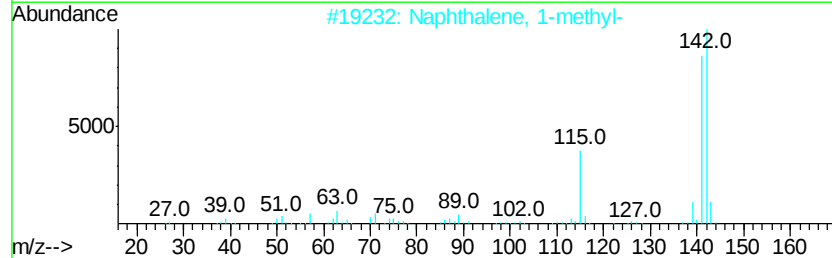
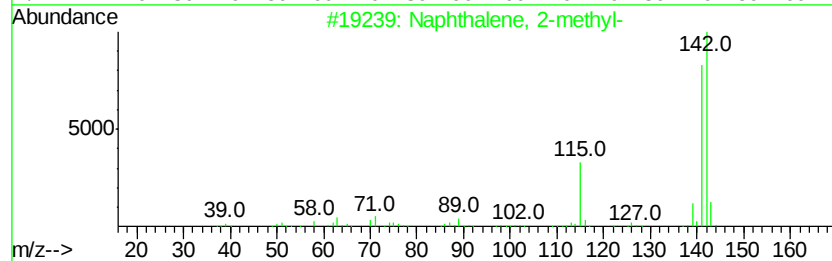
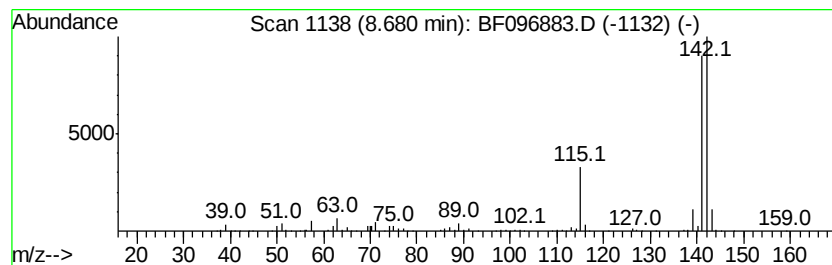
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	13.51 ng	719427	Naphthalene-d8	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86



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Data File : BF096883.D
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Operator : SJ/JU
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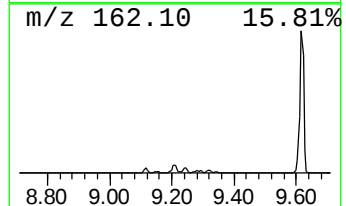
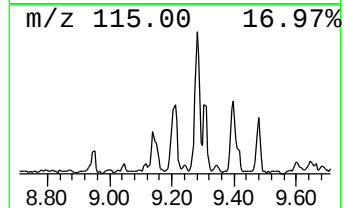
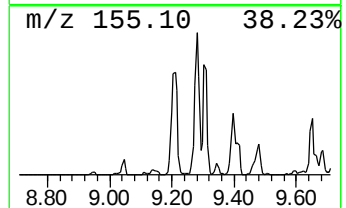
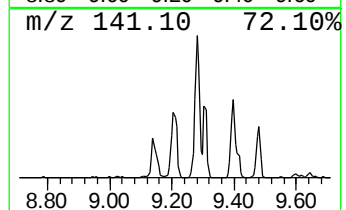
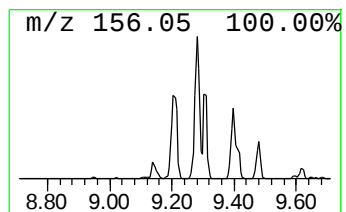
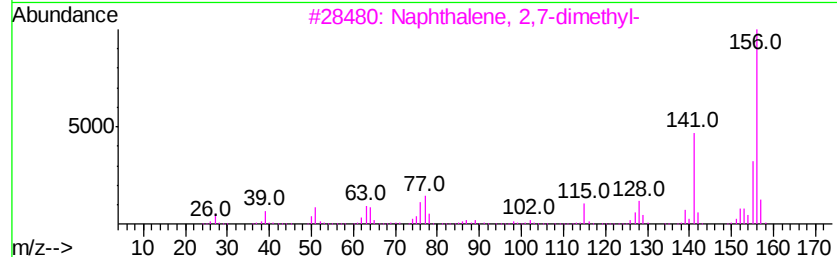
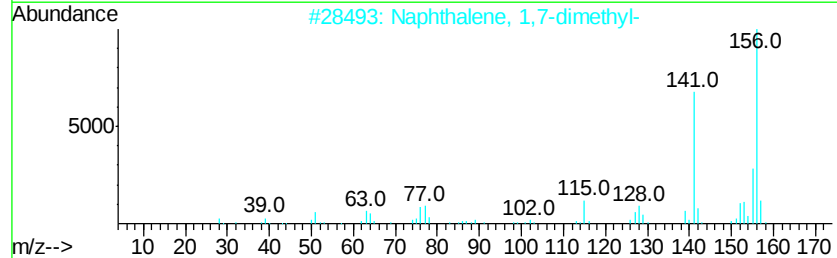
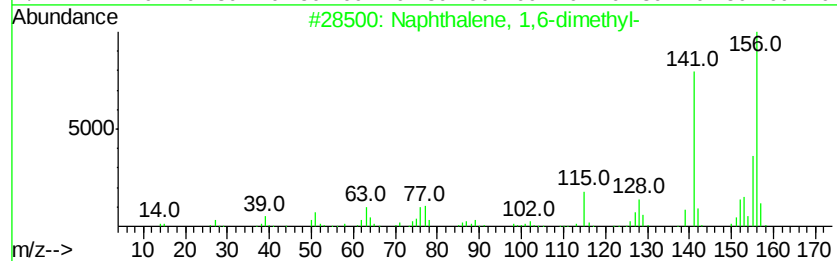
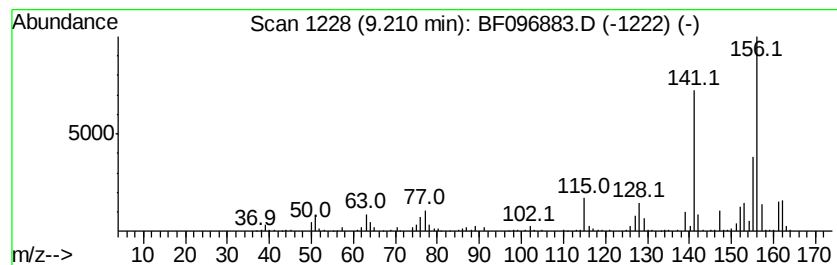
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	10.92 ng	503215	Acenaphthene-d10	9.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
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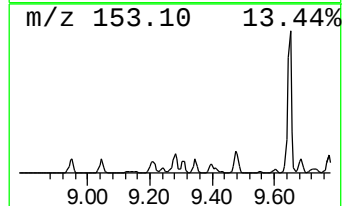
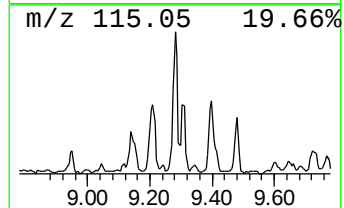
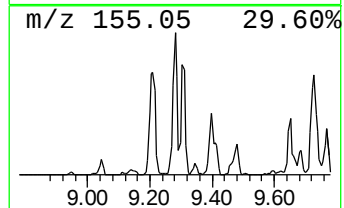
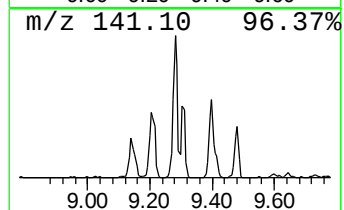
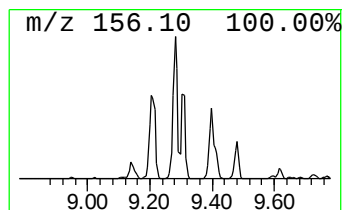
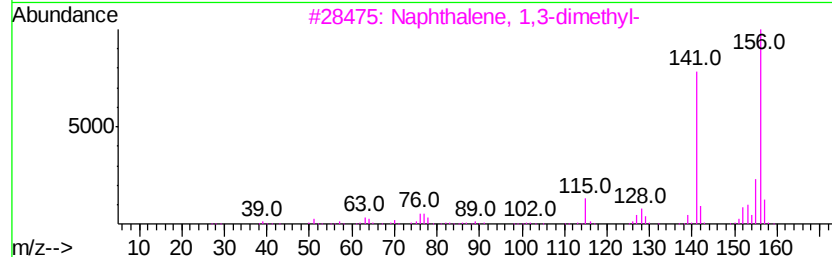
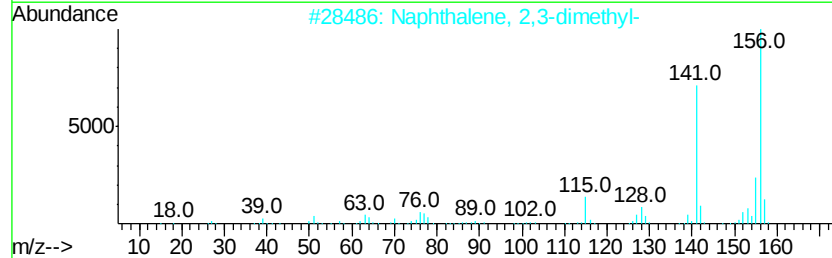
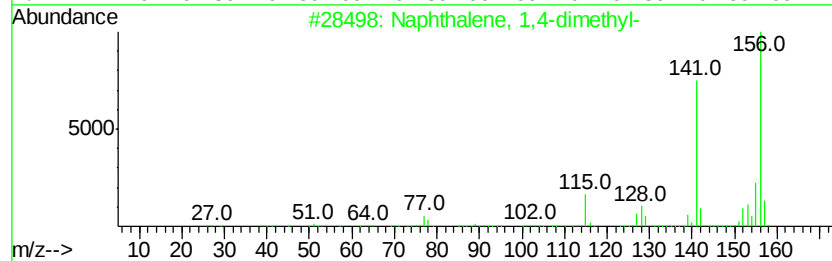
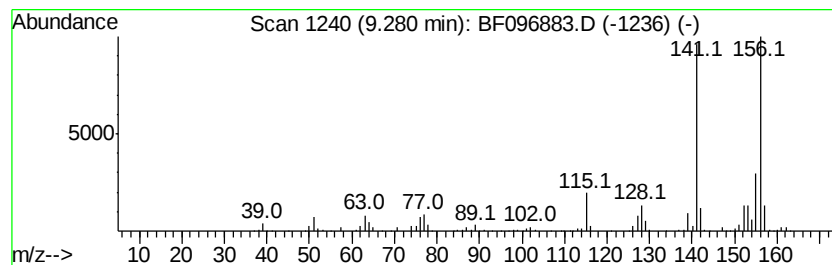
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	12.73 ng	586560	Acenaphthene-d10	9.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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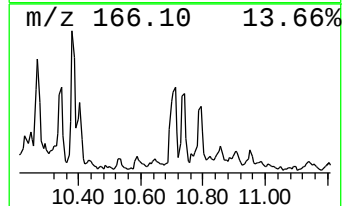
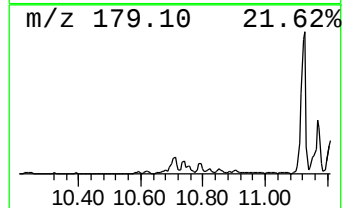
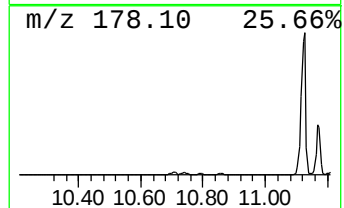
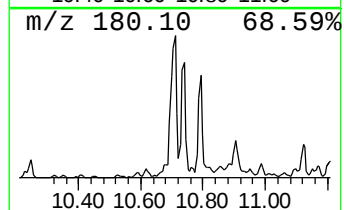
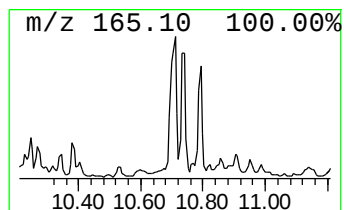
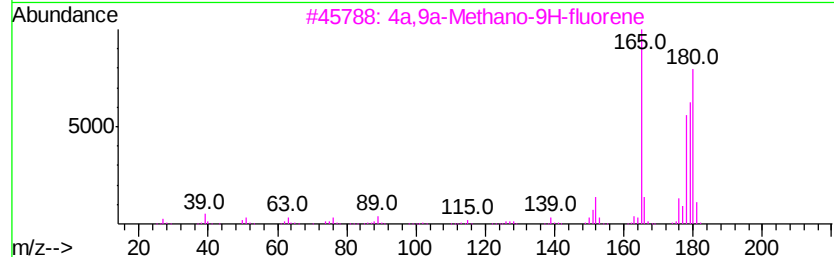
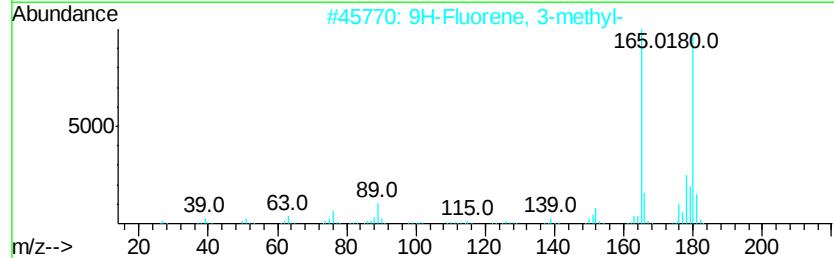
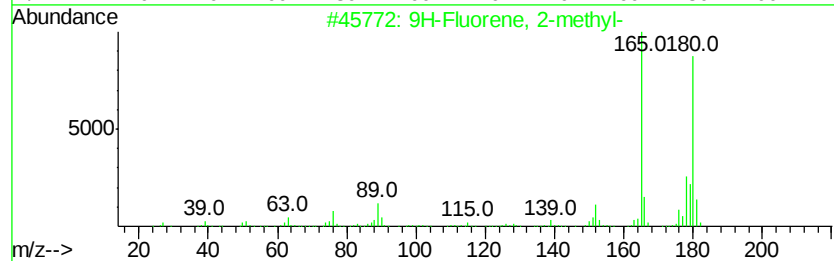
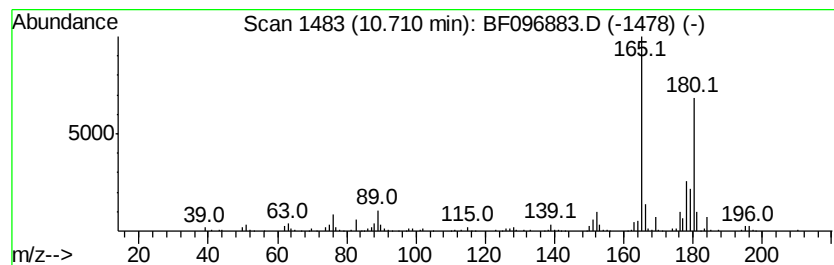
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	10.52 ng	361639	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	72



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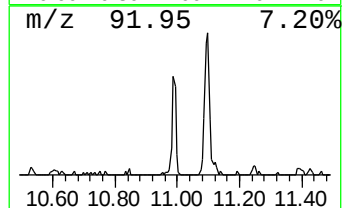
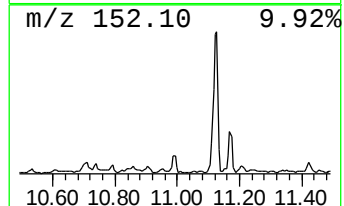
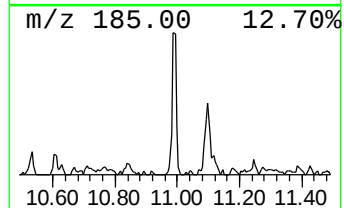
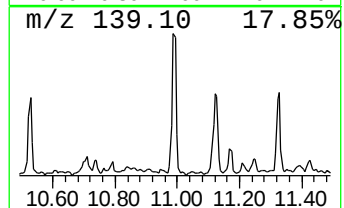
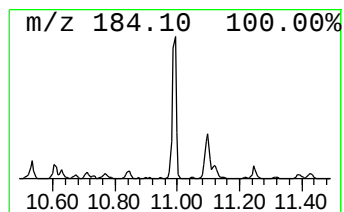
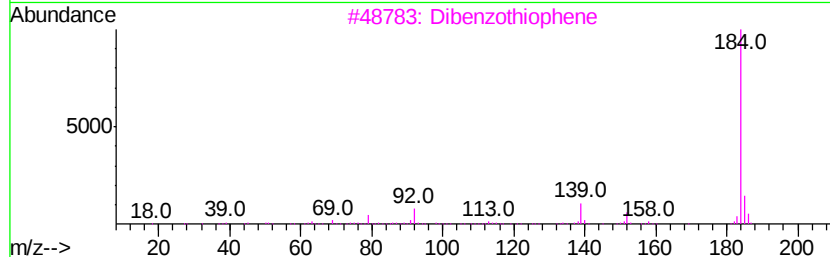
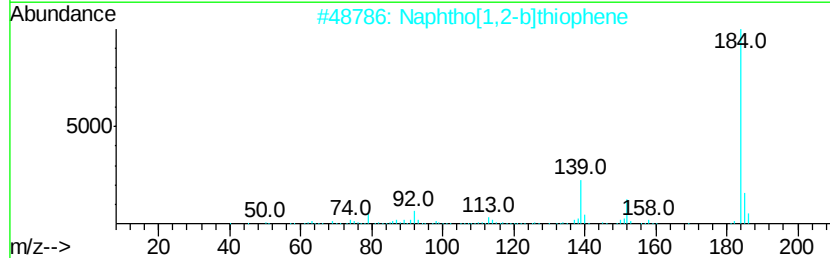
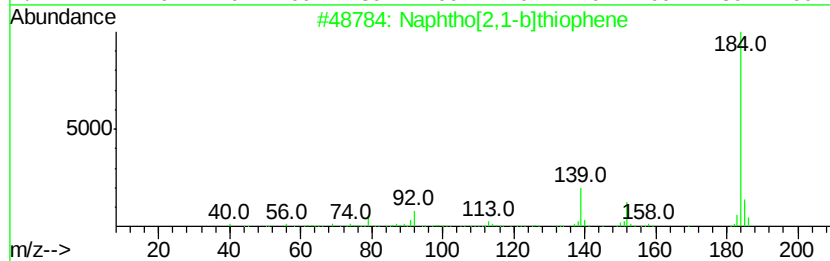
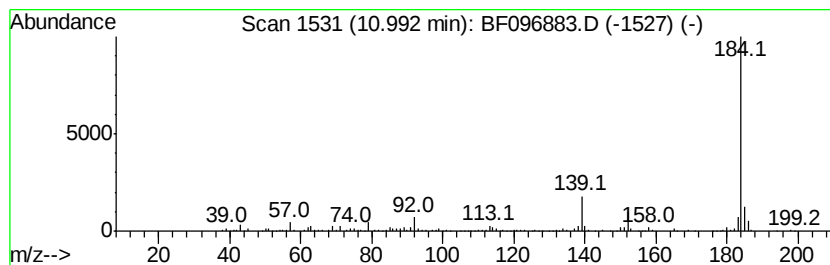
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.99	9.96 ng	342384	Phenanthrene-d10		11.10		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3			Dibenzothiophene	184	C12H8S	000132-65-0	95
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	53



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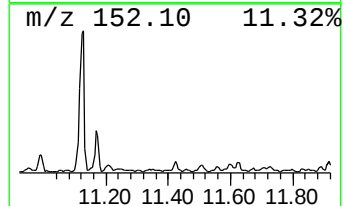
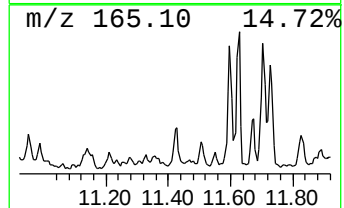
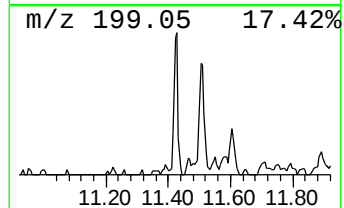
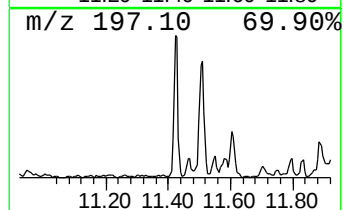
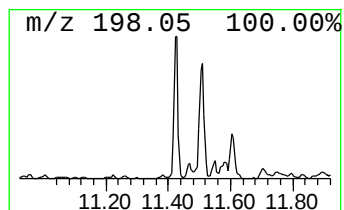
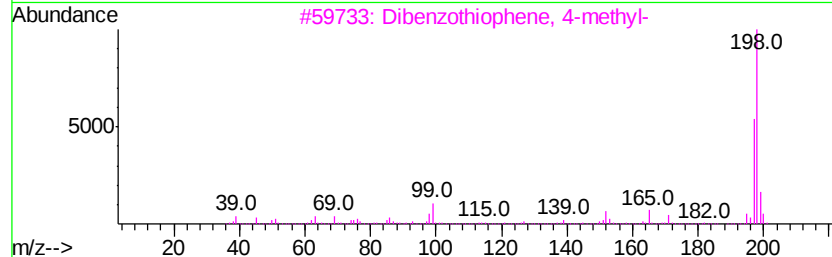
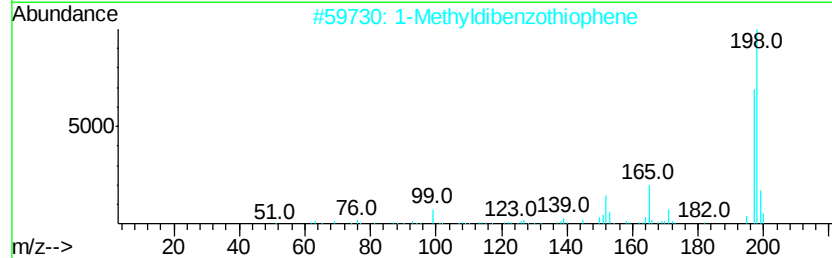
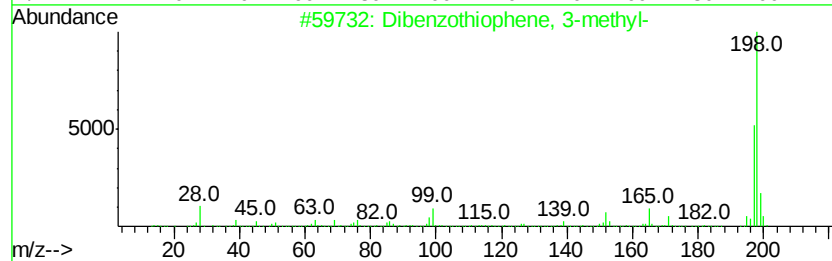
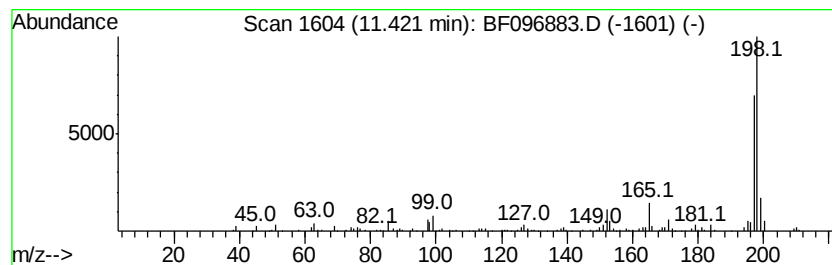
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	7.29 ng	250487	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
2		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
5		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	78



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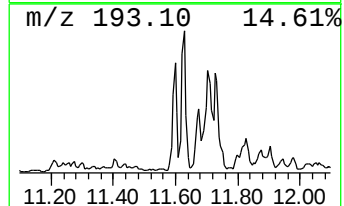
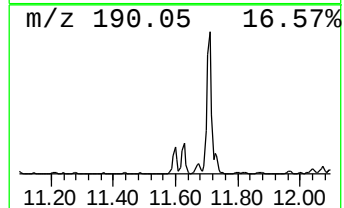
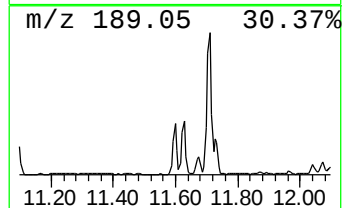
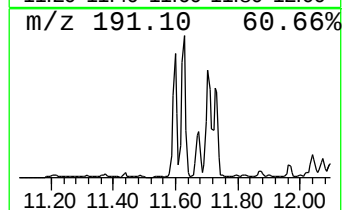
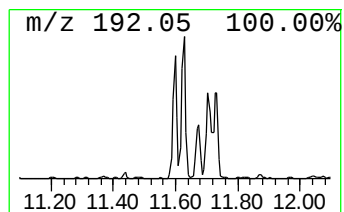
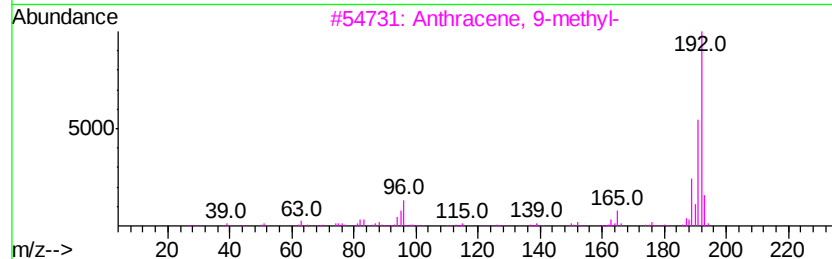
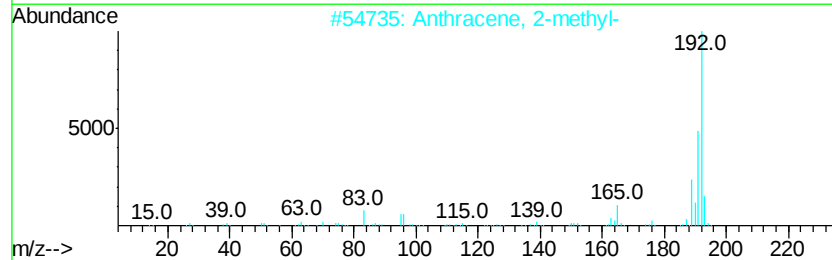
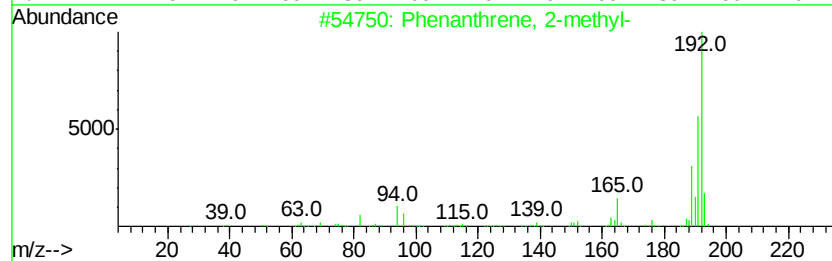
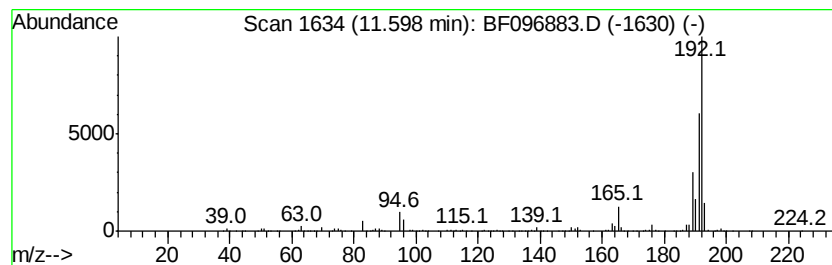
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	19.23 ng	661045	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096883.D
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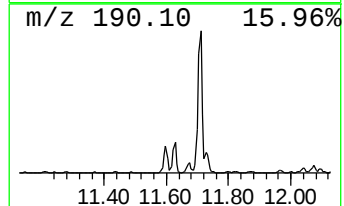
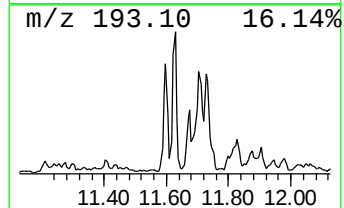
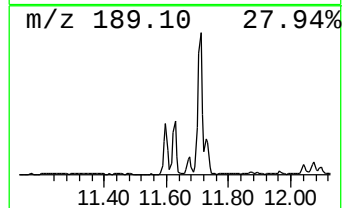
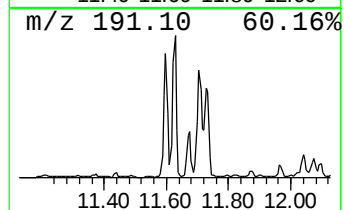
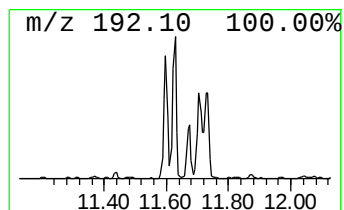
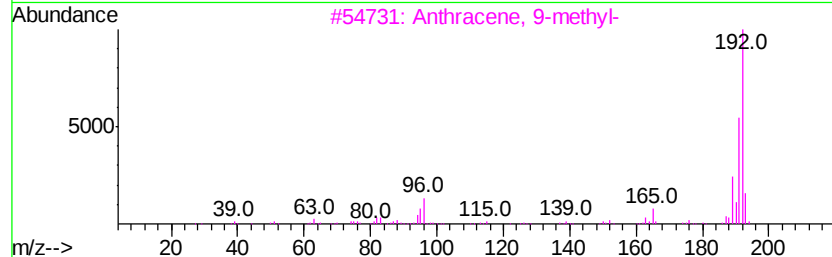
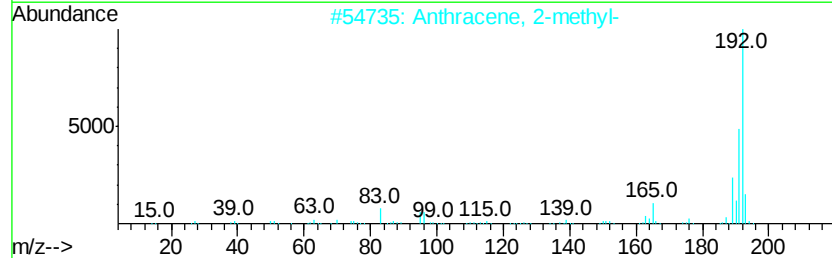
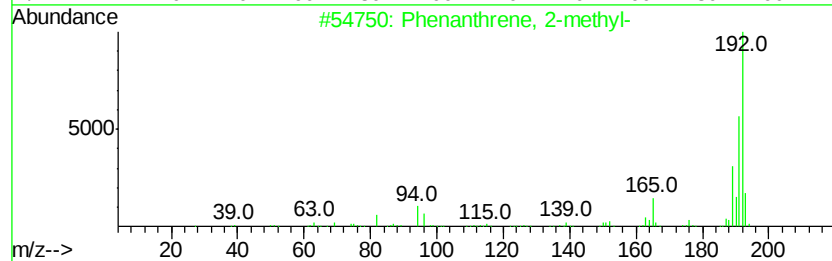
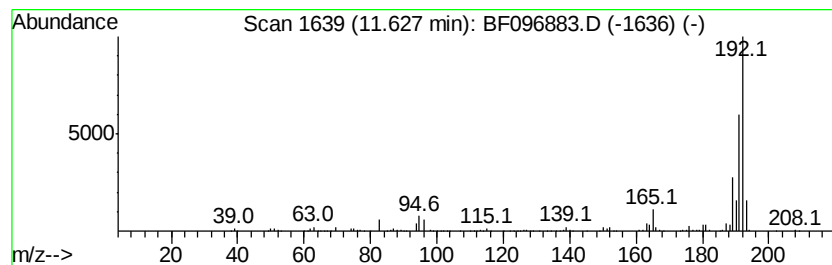
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	20.30 ng	697804	Phenanthrene-d10	11.10

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096883.D
Acq On : 19 Jul 2017 21:24
Operator : SJ/JU
Sample : I4280-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-071817-B

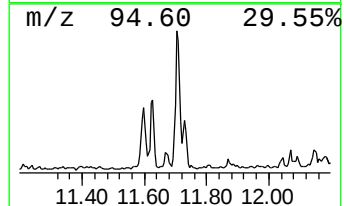
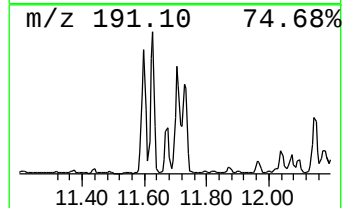
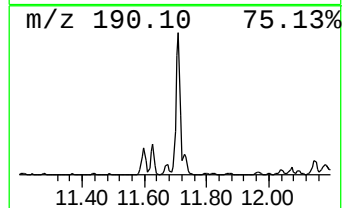
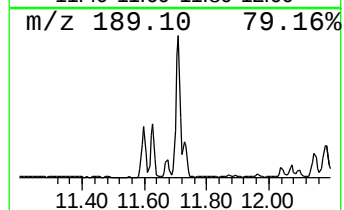
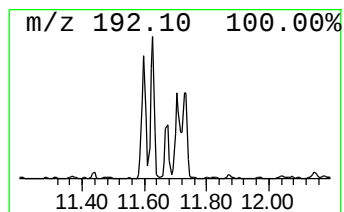
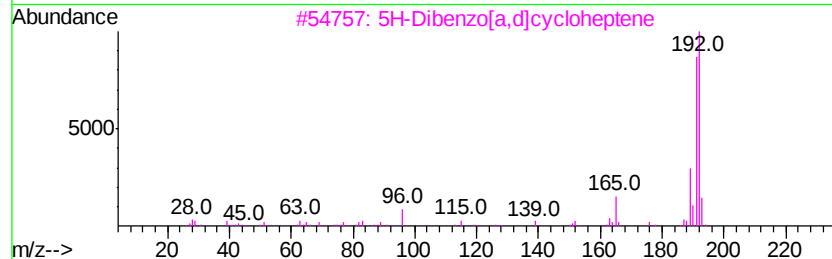
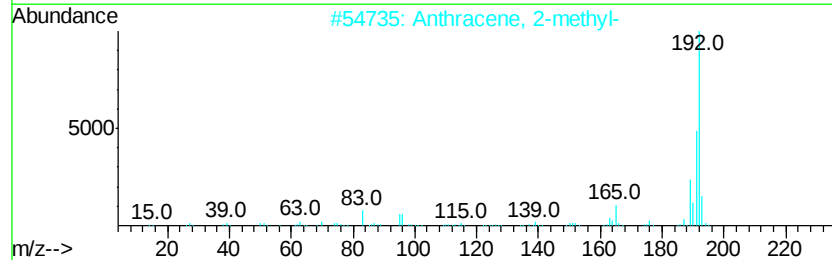
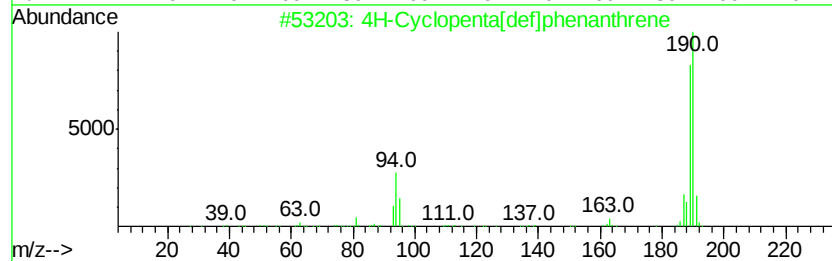
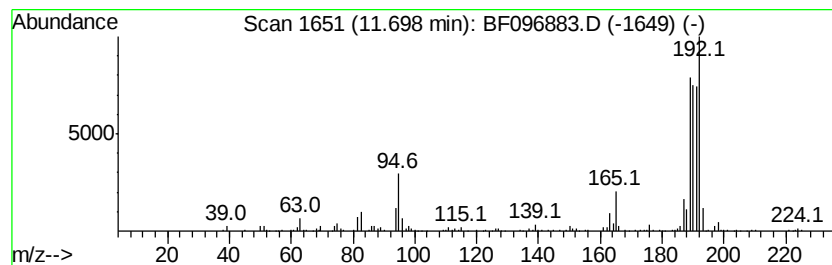
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	32.35 ng	1111930	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5		Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096883.D
Acq On : 19 Jul 2017 21:24
Operator : SJ/JU
Sample : I4280-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-071817-B

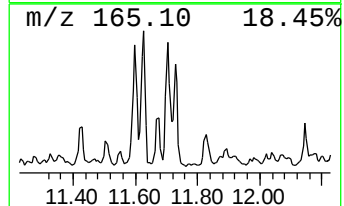
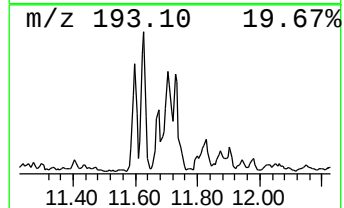
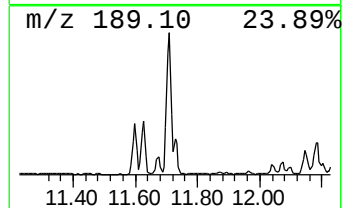
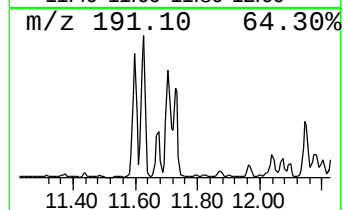
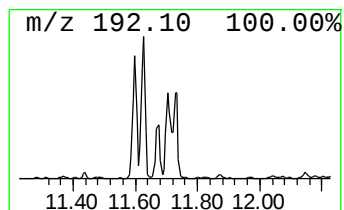
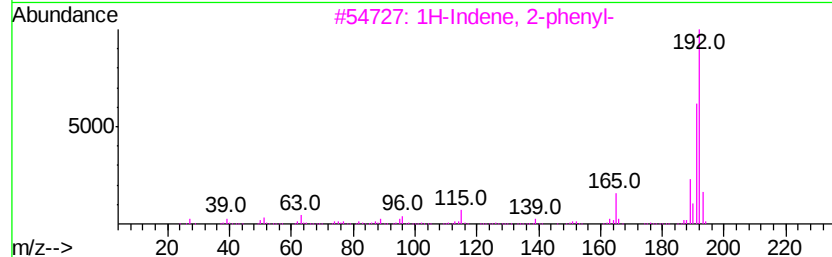
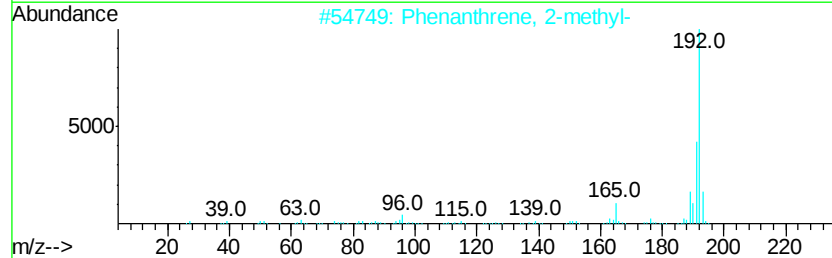
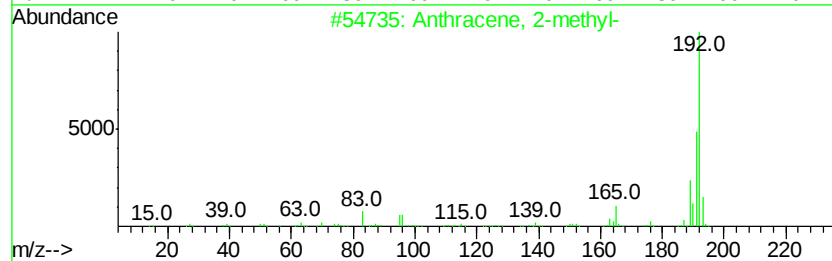
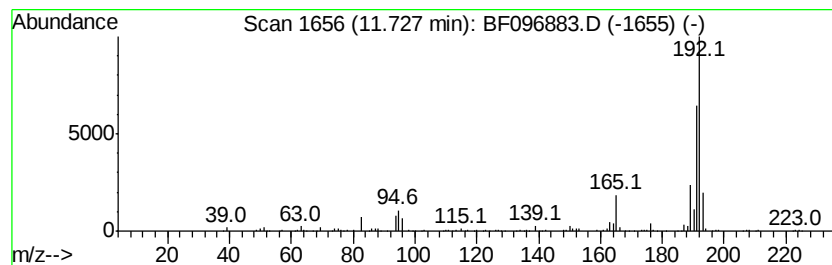
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	12.34 ng	424221	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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Acq On : 19 Jul 2017 21:24
Operator : SJ/JU
Sample : I4280-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

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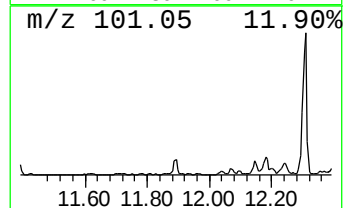
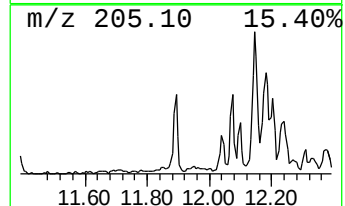
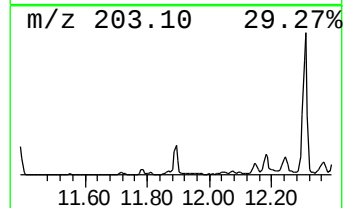
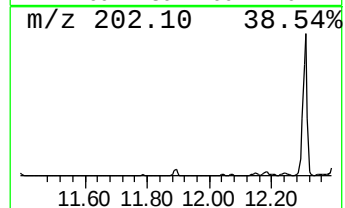
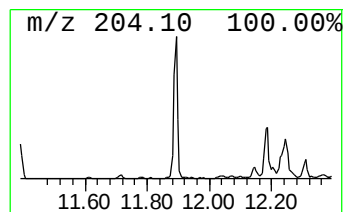
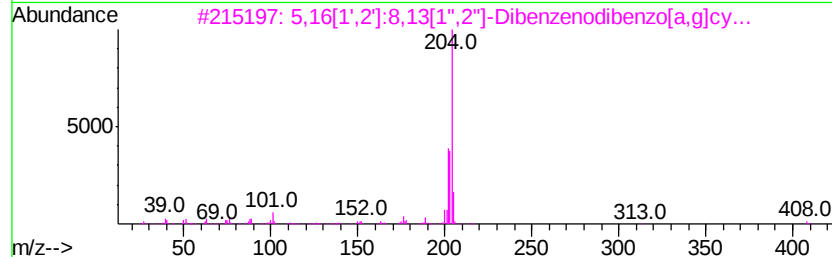
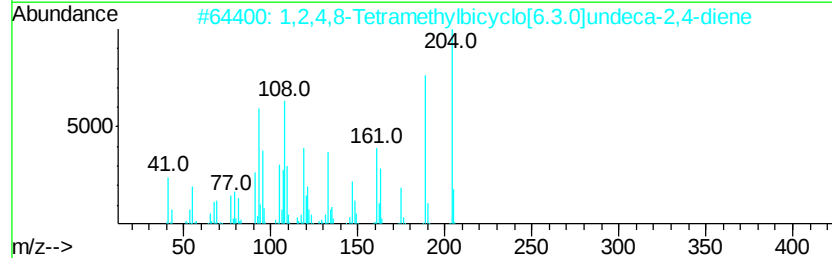
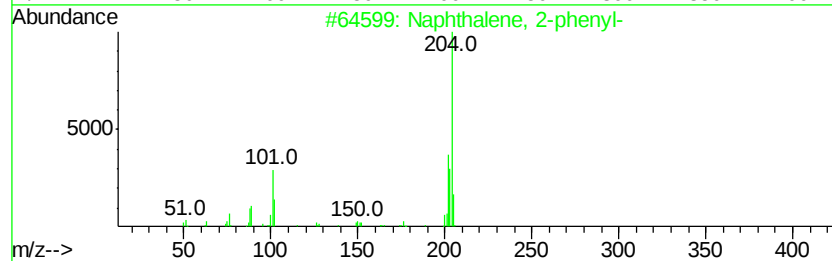
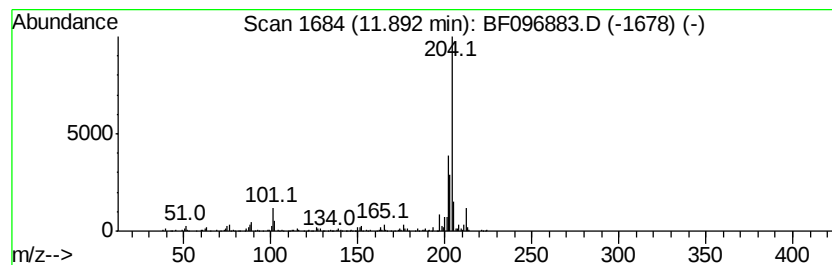
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.95 ng	341926	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
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	80
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	64
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096883.D
Acq On : 19 Jul 2017 21:24
Operator : SJ/JU
Sample : I4280-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

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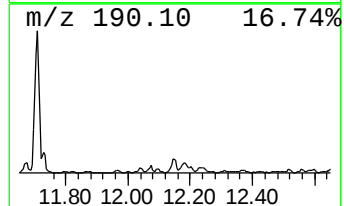
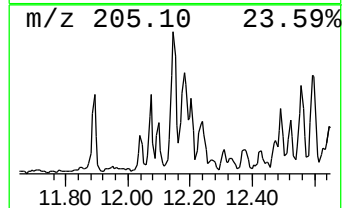
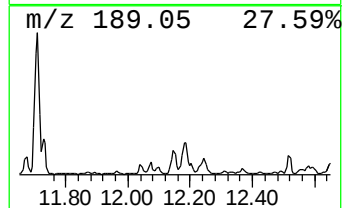
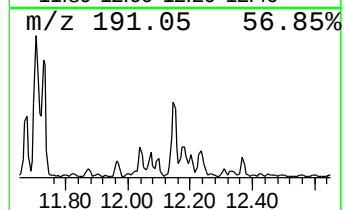
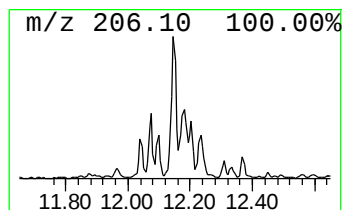
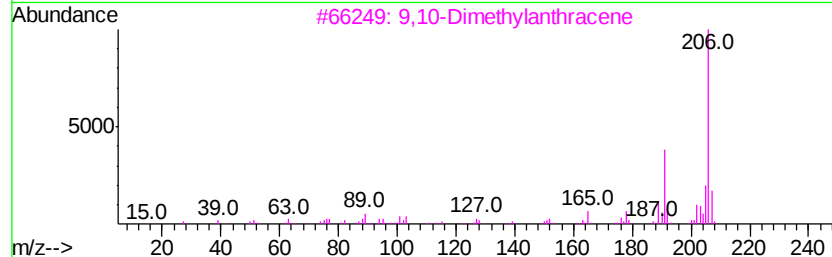
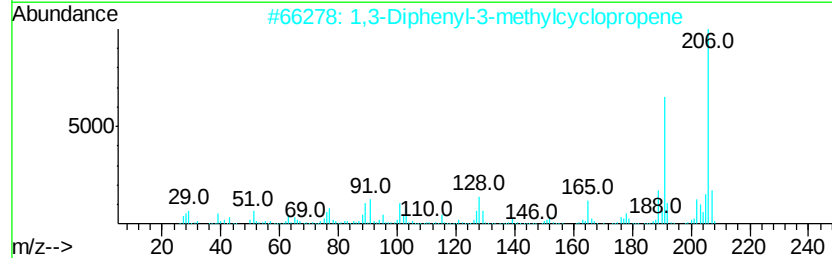
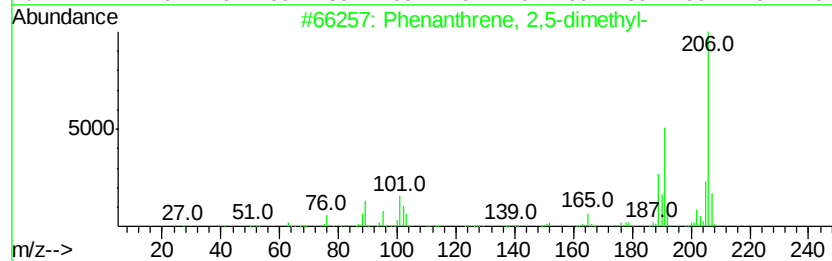
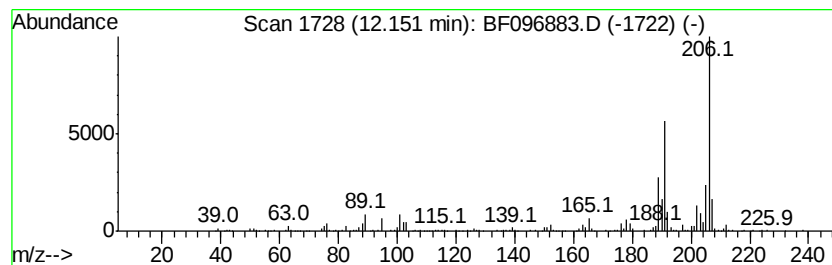
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	17.61 ng	605342	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	96
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	94
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096883.D
Acq On : 19 Jul 2017 21:24
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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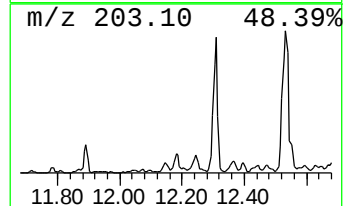
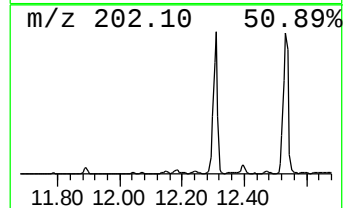
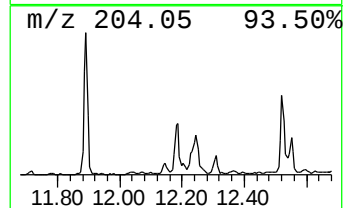
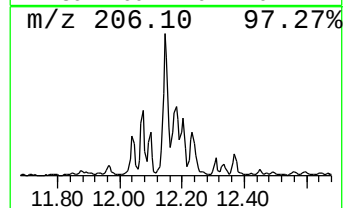
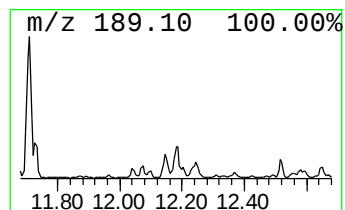
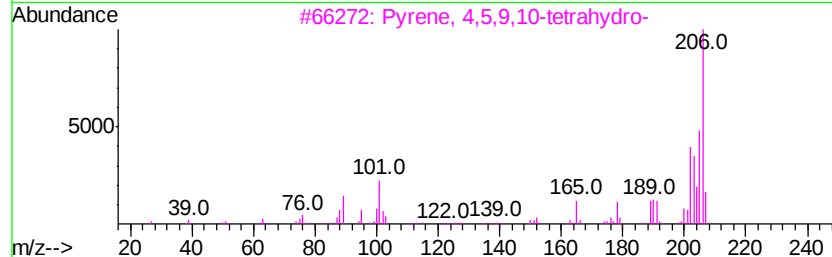
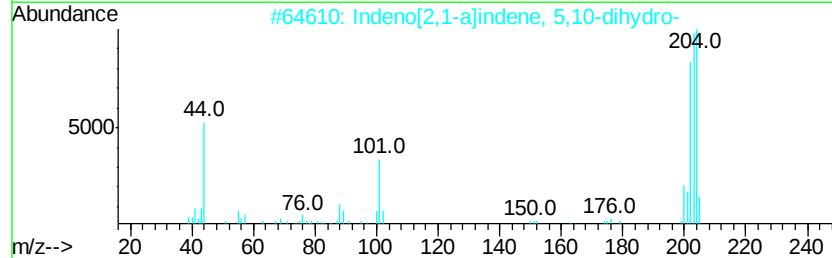
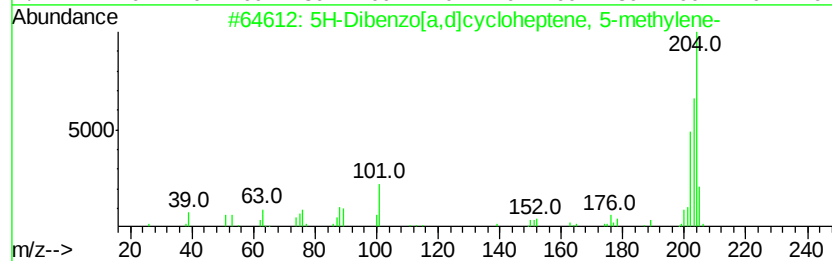
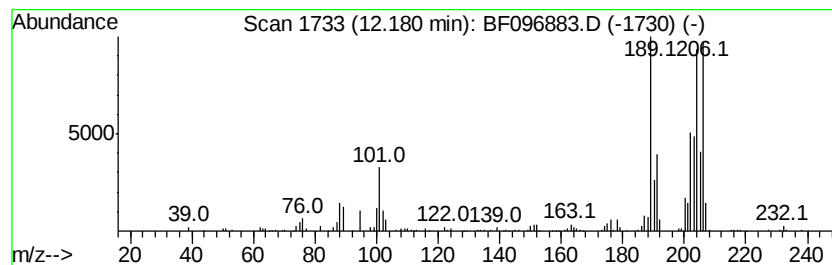
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.18 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	11.62 ng	399450	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
2		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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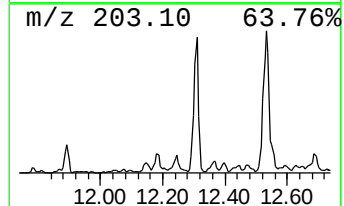
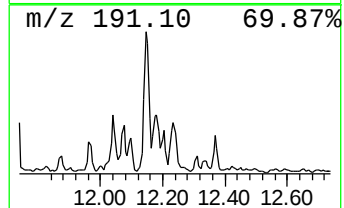
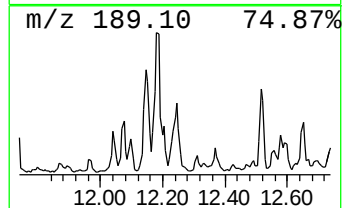
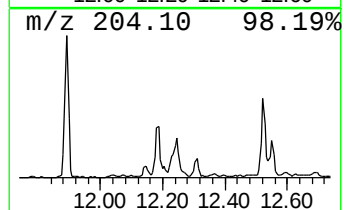
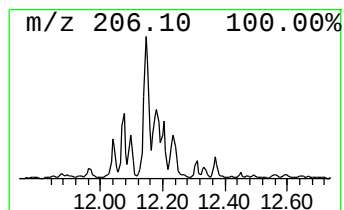
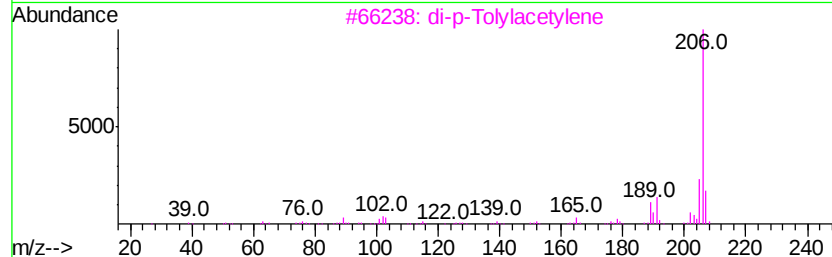
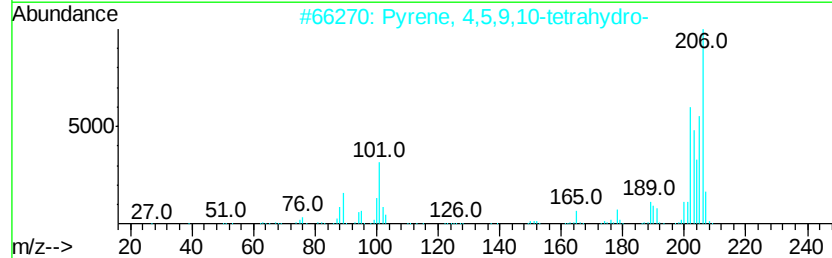
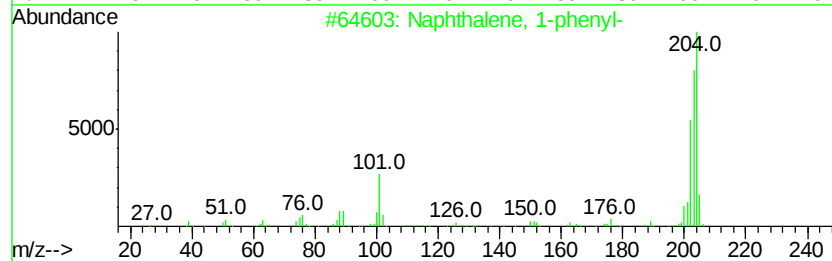
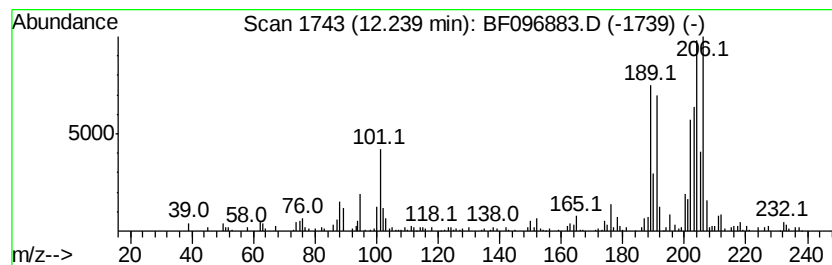
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 1-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.24	8.74 ng	300238	Phenanthrene-d10		11.10
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	55
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	50
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
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 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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...	4.76	8.7	ng	298384	1	6.59	686117	20.0
unknown6.36	6.36	69.6	ng	2389080	1	6.59	686117	20.0
Naphthalene, 2-me...	8.68	13.5	ng	719427	2	7.87	1065320	20.0
Naphthalene, 1,6-...	9.21	10.9	ng	503215	3	9.62	921842	20.0
Naphthalene, 1,4-...	9.28	12.7	ng	586560	3	9.62	921842	20.0
9H-Fluorene, 2-me...	10.71	10.5	ng	361639	4	11.10	687339	20.0
Naphtho[2,1-b]thi...	10.99	10.0	ng	342384	4	11.10	687339	20.0
Dibenzothiophene,...	11.42	7.3	ng	250487	4	11.10	687339	20.0
Phenanthrene, 2-m...	11.60	19.2	ng	661045	4	11.10	687339	20.0
Anthracene, 9-met...	11.63	20.3	ng	697804	4	11.10	687339	20.0
4H-Cyclopenta[def...	11.70	32.4	ng	1111930	4	11.10	687339	20.0
Anthracene, 2-met...	11.73	12.3	ng	424221	4	11.10	687339	20.0
Naphthalene, 2-ph...	11.89	9.9	ng	341926	4	11.10	687339	20.0
Phenanthrene, 2,5...	12.15	17.6	ng	605342	4	11.10	687339	20.0
unknown12.18	12.18	11.6	ng	399450	4	11.10	687339	20.0
Naphthalene, 1-ph...	12.24	8.7	ng	300238	4	11.10	687339	20.0