

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097291.D
 Acq On : 2 Aug 2017 23:30
 Operator : SJ/JU
 Sample : I4540-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11942

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.575	454	457	471	rBV	373801	541920	25.70%	1.304%
2	5.051	534	538	557	rBV	1752828	1987194	94.23%	4.783%
3	6.128	717	721	734	rBV	1462365	2066176	97.97%	4.973%
4	6.228	734	738	745	rVB	1948331	1952913	92.60%	4.701%
5	6.451	772	776	785	rVB	860033	780642	37.02%	1.879%
6	6.604	798	802	813	rVB	1634155	1491624	70.73%	3.590%
7	7.022	869	873	880	rBV	1251412	1213761	57.55%	2.922%
8	7.733	990	994	1002	rBV	1243653	1073965	50.92%	2.585%
9	8.810	1173	1177	1181	rBV	2124990	1913380	90.73%	4.606%
10	9.069	1218	1221	1227	rBV	51206	67364	3.19%	0.162%
11	9.145	1231	1234	1236	rVV	110449	103514	4.91%	0.249%
12	9.169	1236	1238	1242	rVV	65554	69605	3.30%	0.168%
13	9.210	1242	1245	1250	rVV	370545	302975	14.37%	0.729%
14	9.257	1250	1253	1260	rVB	69104	90225	4.28%	0.217%
15	9.339	1260	1267	1271	rBV2	100511	110635	5.25%	0.266%
16	9.475	1286	1290	1293	rVV	1036560	1006270	47.71%	2.422%
17	9.510	1293	1296	1300	rVB	220301	194913	9.24%	0.469%
18	9.586	1306	1309	1313	rBV	59321	85691	4.06%	0.206%
19	9.633	1313	1317	1319	rVV2	97792	90980	4.31%	0.219%
20	9.680	1319	1325	1329	rVV2	122645	170969	8.11%	0.412%
21	9.722	1329	1332	1336	rVV	98273	105323	4.99%	0.254%
22	9.798	1341	1345	1347	rBV	95611	90830	4.31%	0.219%
23	9.827	1347	1350	1352	rVV	77802	63682	3.02%	0.153%
24	9.886	1355	1360	1362	rBV2	75586	107257	5.09%	0.258%
25	9.933	1365	1368	1370	rVB	92491	71734	3.40%	0.173%
26	9.974	1370	1375	1380	rBV5	43533	76493	3.63%	0.184%
27	10.022	1380	1383	1385	rVV2	233320	200442	9.50%	0.482%
28	10.086	1389	1394	1396	rVV2	122699	173441	8.22%	0.417%
29	10.133	1400	1402	1404	rVV2	67019	78604	3.73%	0.189%
30	10.180	1407	1410	1415	rVB2	103539	143028	6.78%	0.344%
31	10.263	1420	1424	1428	rVV	1007921	961073	45.57%	2.313%
32	10.304	1428	1431	1436	rVB4	43922	66004	3.13%	0.159%
33	10.404	1443	1448	1454	rVB2	112963	181538	8.61%	0.437%
34	10.498	1460	1464	1468	rVV5	85093	115609	5.48%	0.278%

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35	10.569	1471	1476	1478	rVV2	129134	172019	8.16%	0.414%
36	10.592	1478	1480	1484	rVV2	122616	132315	6.27%	0.318%
37	10.651	1488	1490	1493	rVB2	74643	67568	3.20%	0.163%
38	10.716	1499	1501	1504	rVV3	88648	93750	4.45%	0.226%
39	10.763	1507	1509	1513	rVB2	87259	80823	3.83%	0.195%
40	10.810	1514	1517	1520	rBV	107682	110378	5.23%	0.266%
41	10.845	1520	1523	1526	rVV	201322	174323	8.27%	0.420%
42	10.874	1526	1528	1535	rVB4	56231	63470	3.01%	0.153%
43	10.951	1537	1541	1543	rBV	815292	801473	38.00%	1.929%
44	10.974	1543	1545	1549	rVB	1646498	1479090	70.13%	3.560%
45	11.027	1549	1554	1558	rVB	593031	537988	25.51%	1.295%
46	11.069	1558	1561	1563	rBV	87338	92718	4.40%	0.223%
47	11.192	1579	1582	1584	rBV	71472	65648	3.11%	0.158%
48	11.280	1593	1597	1603	rVB3	168752	208975	9.91%	0.503%
49	11.363	1607	1611	1615	rBV2	74586	98021	4.65%	0.236%
50	11.451	1623	1626	1629	rBV	523143	476922	22.61%	1.148%
51	11.480	1629	1631	1634	rVB	650042	510158	24.19%	1.228%
52	11.527	1634	1639	1641	rBV	321579	341170	16.18%	0.821%
53	11.563	1641	1645	1647	rVV	711927	793566	37.63%	1.910%
54	11.586	1647	1649	1652	rVB	377728	301348	14.29%	0.725%
55	11.680	1662	1665	1668	rVB2	91910	105452	5.00%	0.254%
56	11.745	1673	1676	1678	rVV	259476	230837	10.95%	0.556%
57	11.780	1679	1682	1686	rVB	172125	179449	8.51%	0.432%
58	11.898	1696	1702	1705	rBV2	141634	222162	10.53%	0.535%
59	11.927	1705	1707	1709	rBV	130649	93573	4.44%	0.225%
60	11.951	1709	1711	1714	rVB	97417	86975	4.12%	0.209%
61	11.998	1716	1719	1722	rBV	355094	397759	18.86%	0.957%
62	12.033	1722	1725	1728	rVV	167316	192764	9.14%	0.464%
63	12.057	1728	1729	1732	rVB2	105498	71258	3.38%	0.172%
64	12.086	1732	1734	1739	rVB2	242615	265544	12.59%	0.639%
65	12.163	1742	1747	1750	rBV	1891354	1889715	89.60%	4.549%
66	12.304	1766	1771	1773	rBV2	167087	200287	9.50%	0.482%
67	12.386	1780	1785	1788	rBV	1880880	2108957	100.00%	5.076%
68	12.433	1791	1793	1795	rBV	77951	78296	3.71%	0.188%
69	12.504	1802	1805	1807	rBV	107765	91872	4.36%	0.221%
70	12.533	1807	1810	1817	rVB	1195086	1199363	56.87%	2.887%
71	12.604	1817	1822	1826	rBV2	229927	343176	16.27%	0.826%

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72	12.715	1838	1841	1844	rVB	355555	371563	17.62%	0.894%
73	12.780	1848	1852	1855	rVV	226344	243464	11.54%	0.586%
74	12.815	1855	1858	1862	rVV	324634	314914	14.93%	0.758%
75	12.904	1870	1873	1876	rBV	207682	180546	8.56%	0.435%
76	12.939	1876	1879	1882	rBV	243617	243328	11.54%	0.586%
77	13.133	1909	1912	1915	rBV2	95156	94173	4.47%	0.227%
78	13.221	1925	1927	1931	rVB	163123	162892	7.72%	0.392%
79	13.327	1941	1945	1947	rBV2	239371	279534	13.25%	0.673%
80	13.351	1947	1949	1951	rVV	180654	148544	7.04%	0.358%
81	13.374	1951	1953	1955	rVV	107612	91307	4.33%	0.220%
82	13.398	1955	1957	1960	rVB2	115154	114556	5.43%	0.276%
83	13.433	1960	1963	1965	rBV	164336	162678	7.71%	0.392%
84	13.457	1965	1967	1971	rVB2	104106	103773	4.92%	0.250%
85	13.492	1971	1973	1976	rBV	71312	80593	3.82%	0.194%
86	13.574	1982	1987	1990	rBV2	1138552	1761912	83.54%	4.241%
87	13.604	1990	1992	1996	rVB	966362	818606	38.82%	1.970%
88	13.680	2003	2005	2008	rVB	132639	111812	5.30%	0.269%
89	13.927	2045	2047	2049	rBV	103686	99418	4.71%	0.239%
90	13.962	2051	2053	2057	rVV	254507	300093	14.23%	0.722%
91	13.998	2057	2059	2061	rVB	122772	110522	5.24%	0.266%
92	14.092	2072	2075	2076	rBV2	115844	115590	5.48%	0.278%
93	14.157	2084	2086	2089	rBV3	114476	125501	5.95%	0.302%
94	14.574	2153	2157	2166	rBV	645129	1072260	50.84%	2.581%
95	14.657	2169	2171	2174	rVB2	211108	191462	9.08%	0.461%
96	14.821	2196	2199	2204	rVB	388045	424288	20.12%	1.021%
97	14.874	2204	2208	2213	rBV	569103	622876	29.53%	1.499%
98	14.921	2213	2216	2219	rBV	345293	370621	17.57%	0.892%
99	16.133	2418	2422	2428	rVB	217099	366751	17.39%	0.883%
100	16.492	2479	2483	2494	rVB	162428	352992	16.74%	0.850%

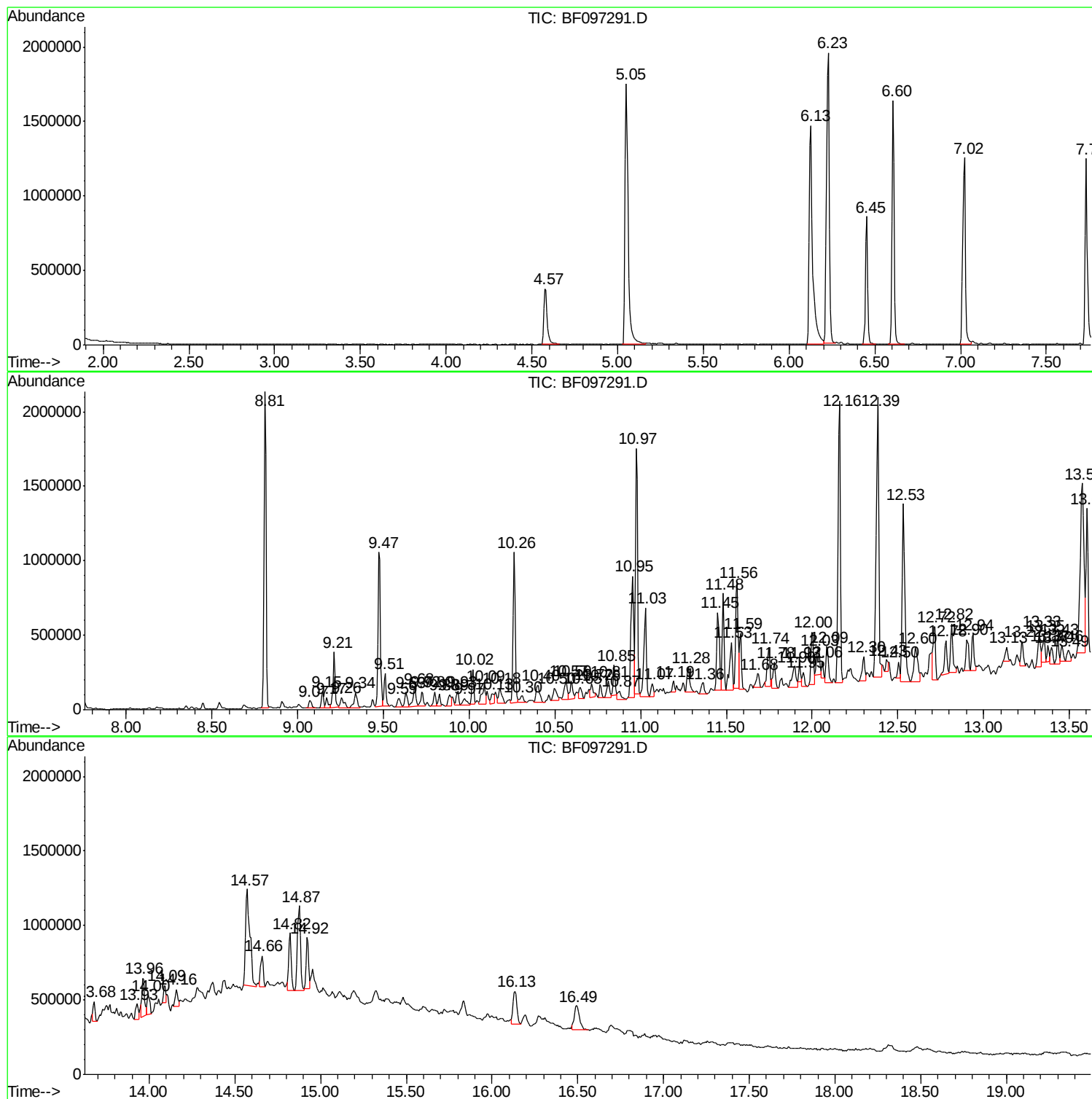
Sum of corrected areas: 41545505

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

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



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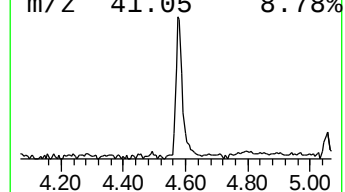
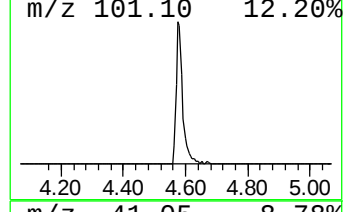
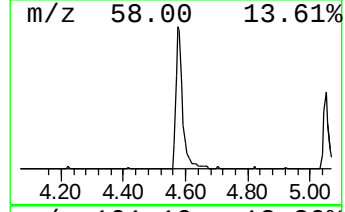
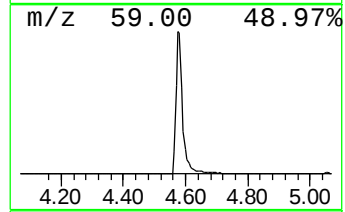
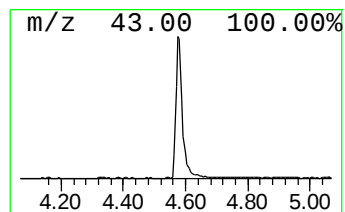
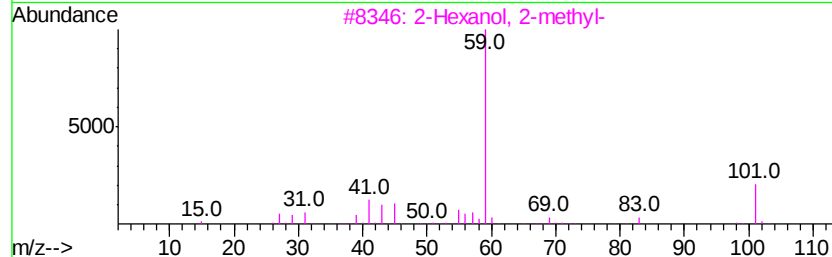
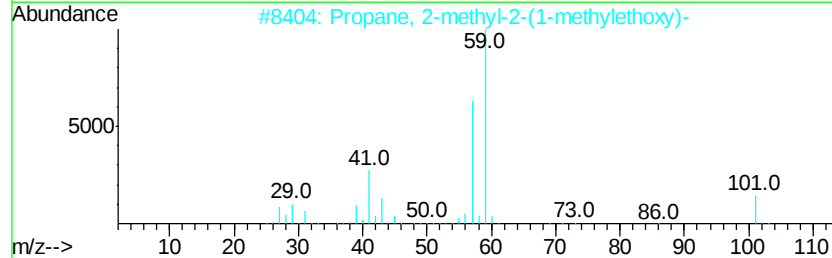
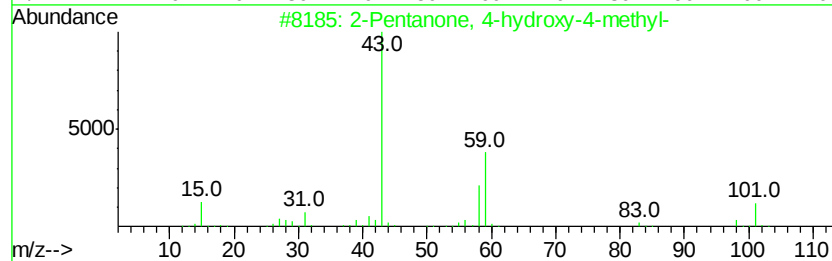
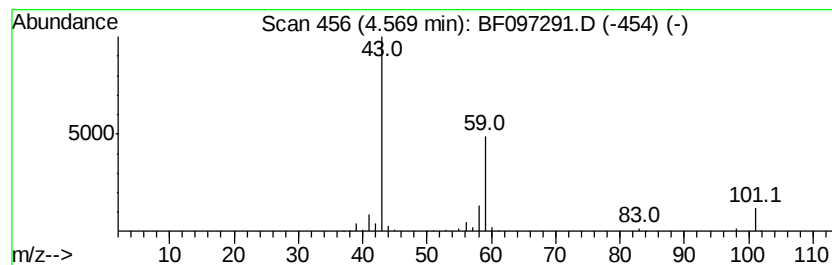
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	13.88 ng	541920	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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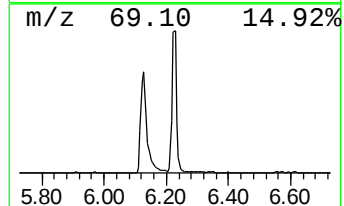
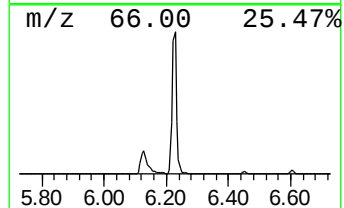
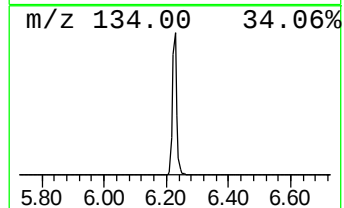
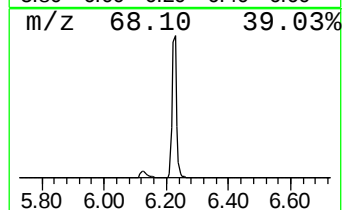
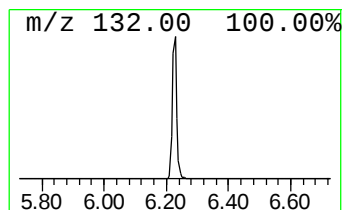
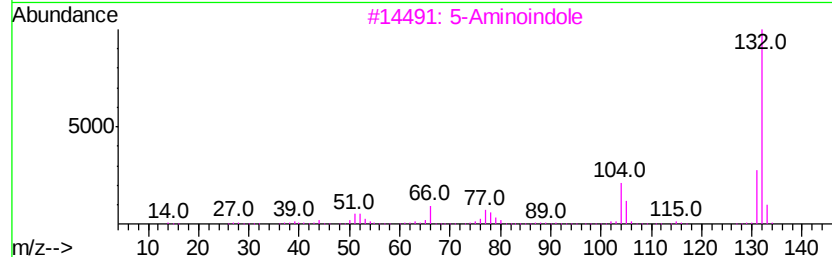
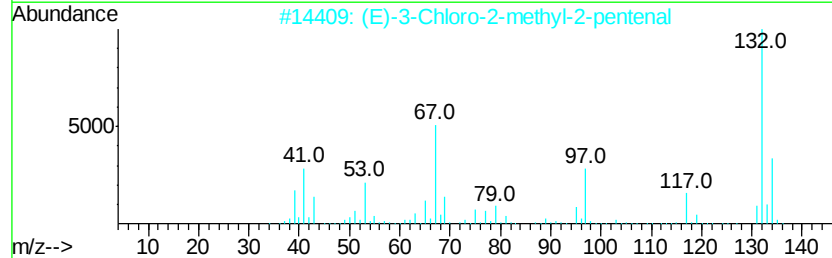
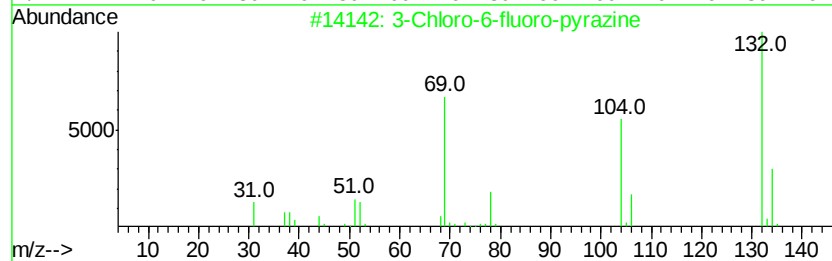
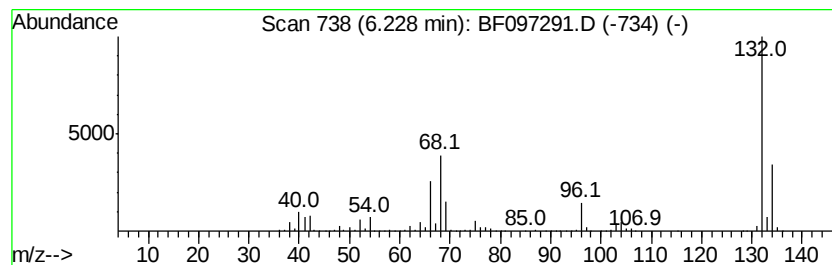
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.23 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	50.03 ng	1952910	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
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	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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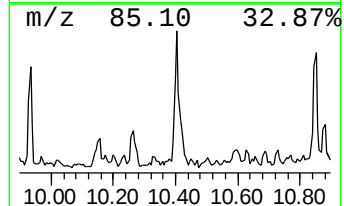
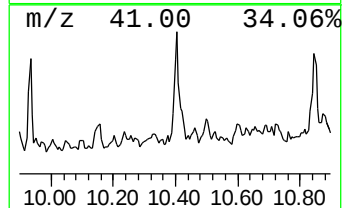
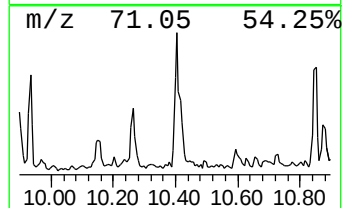
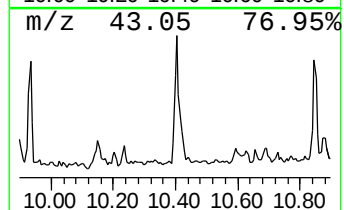
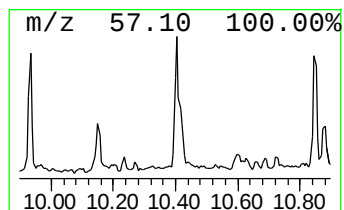
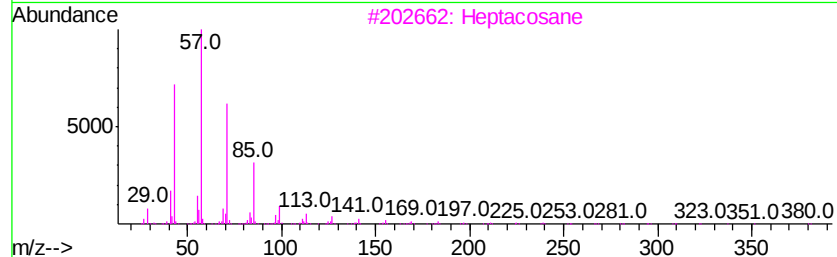
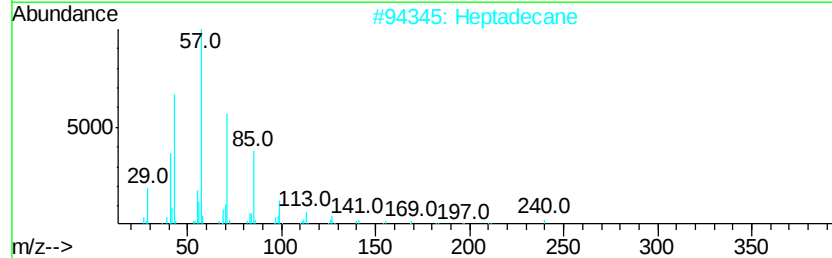
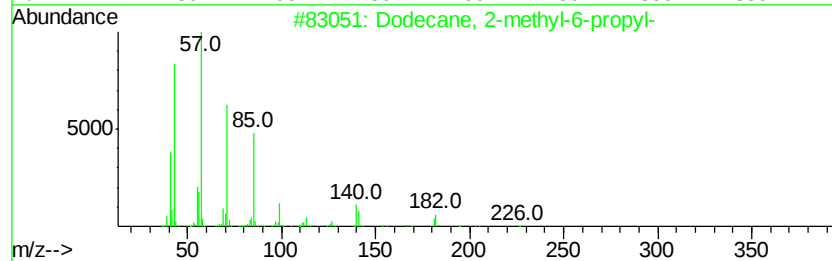
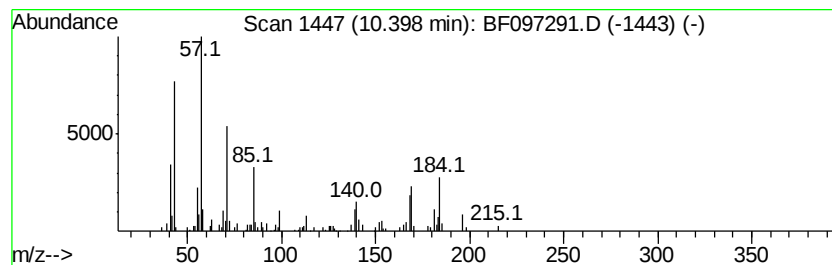
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dodecane, 2-methyl-6-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	4.53 ng	181538	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
2		Heptadecane	240	C17H36	000629-78-7	80
3		Heptacosane	380	C27H56	000593-49-7	72
4		Hexadecane	226	C16H34	000544-76-3	72
5		2-Bromo dodecane	248	C12H25Br	013187-99-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097291.D
Acq On : 2 Aug 2017 23:30
Operator : SJ/JU
Sample : I4540-13
Misc :
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Instrument :
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ClientSampleId :
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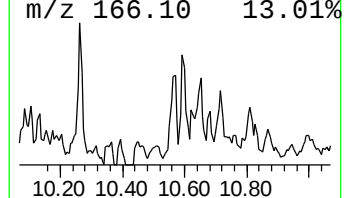
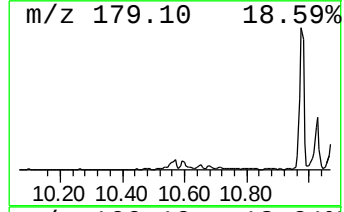
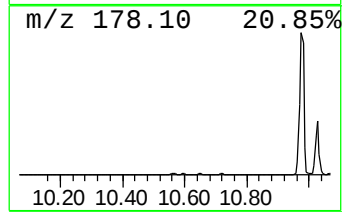
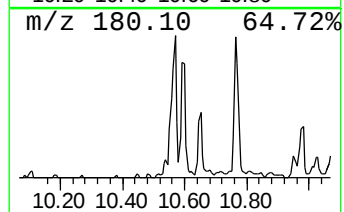
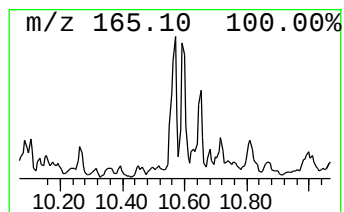
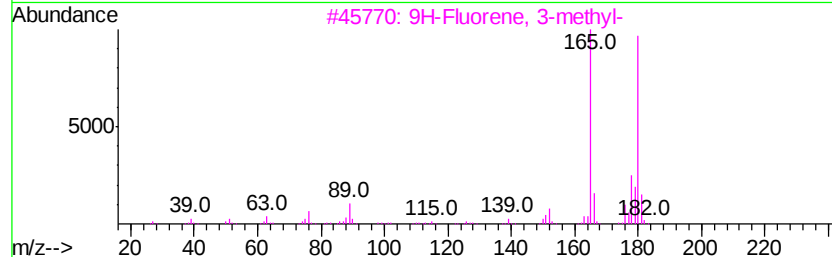
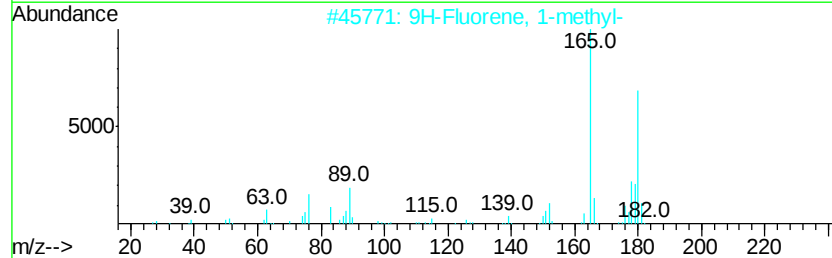
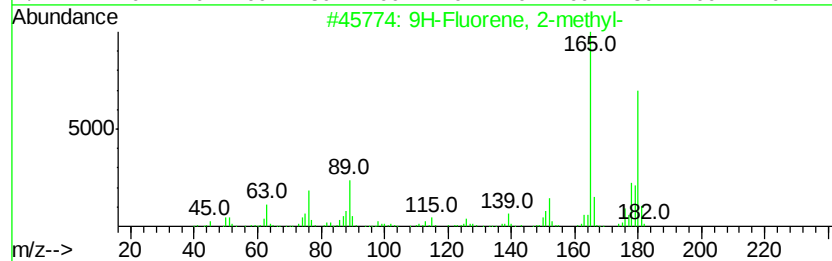
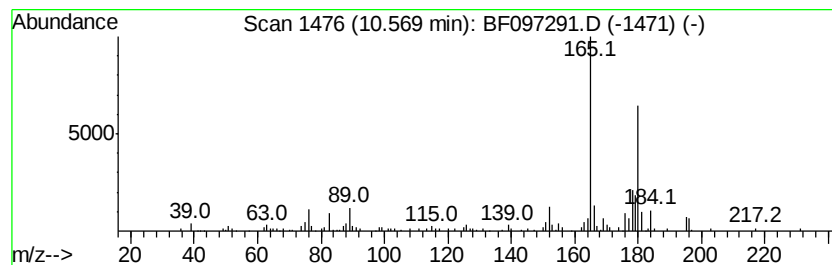
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.29 ng	172019	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64



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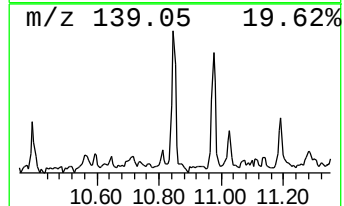
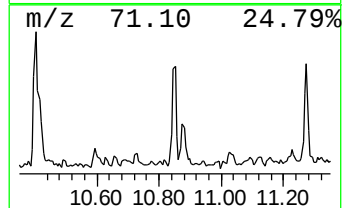
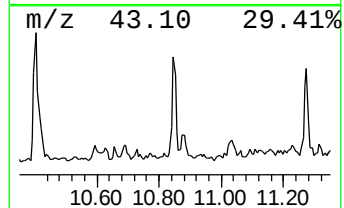
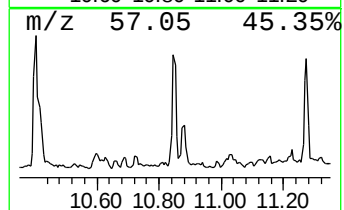
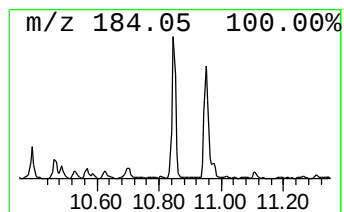
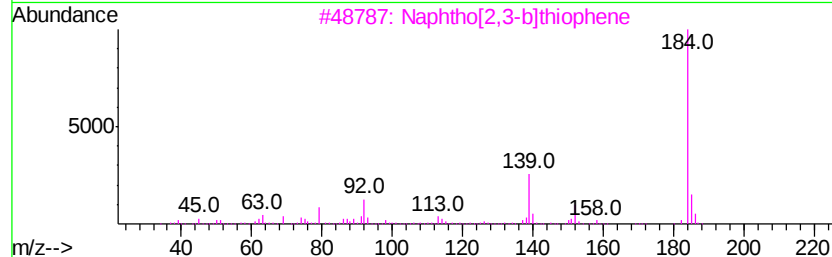
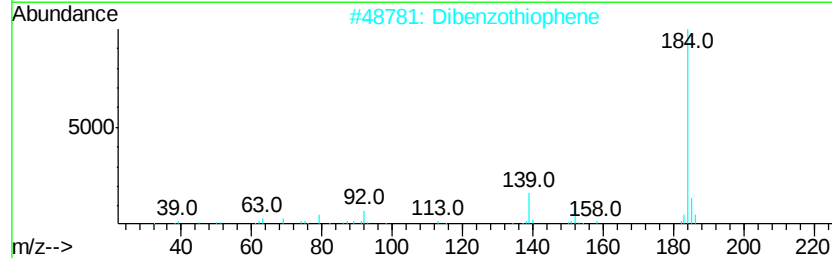
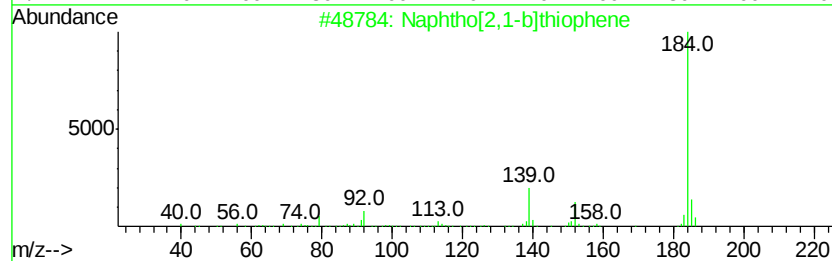
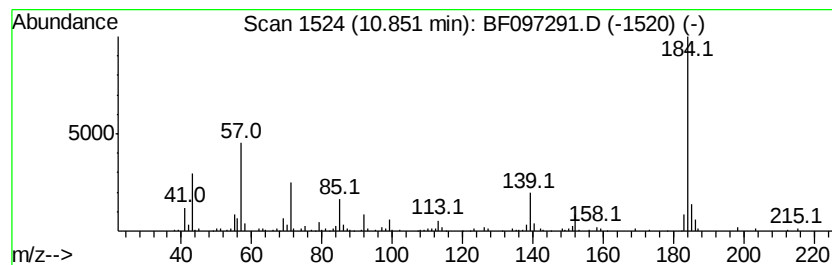
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.85	4.35 ng	174323	Phenanthrene-d10		10.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2		Dibenzothiophene	184	C12H8S	000132-65-0	93
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097291.D
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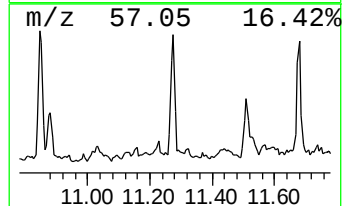
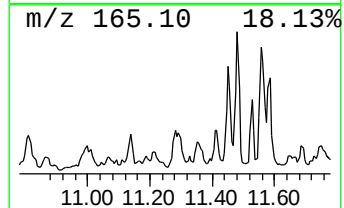
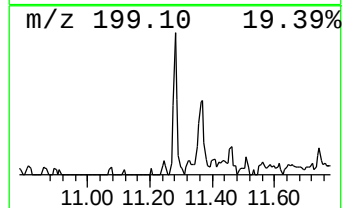
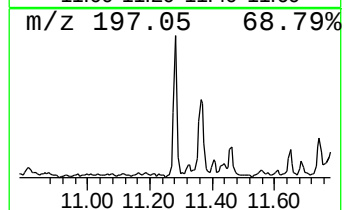
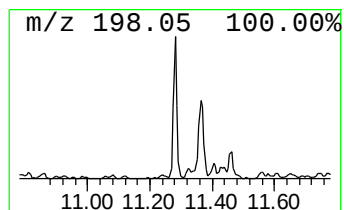
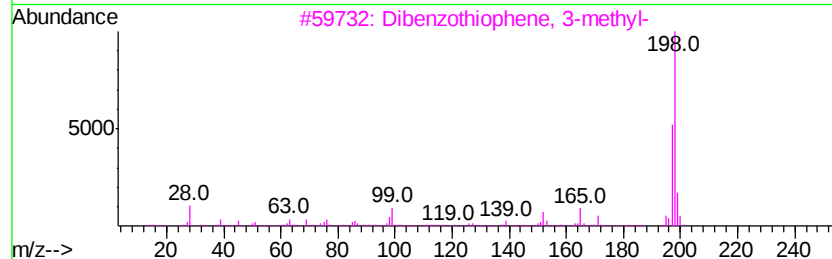
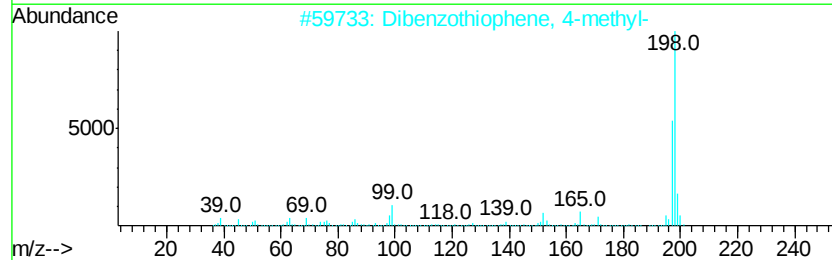
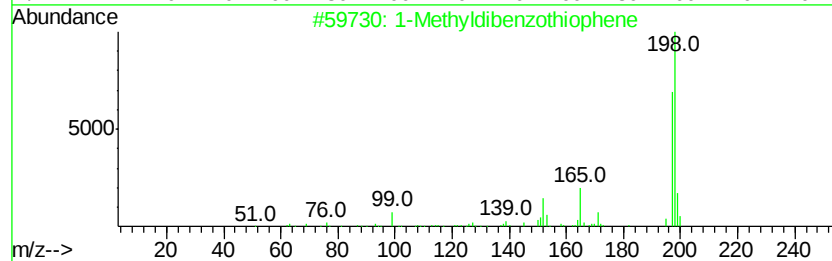
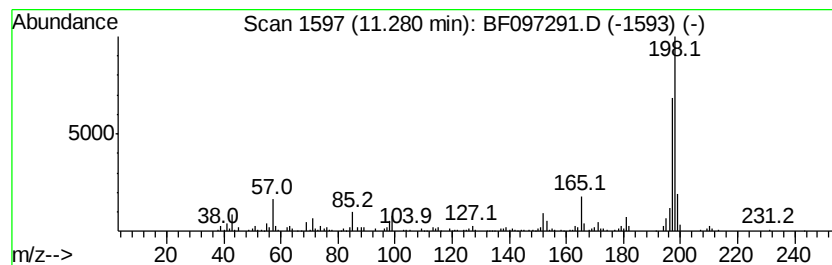
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	5.21 ng	208975	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
4		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Operator : SJ/JU
Sample : I4540-13
Misc :
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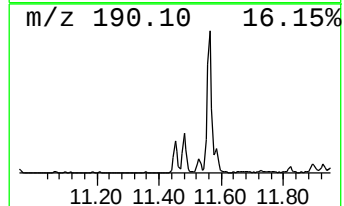
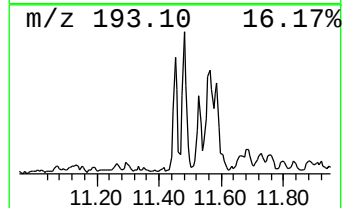
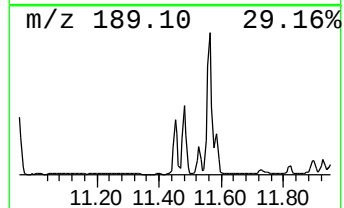
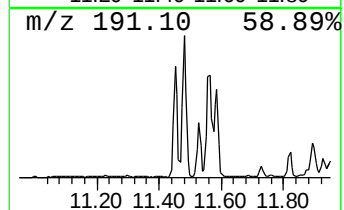
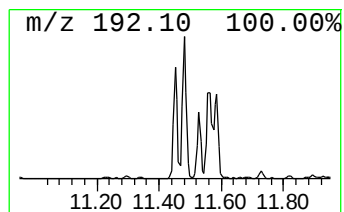
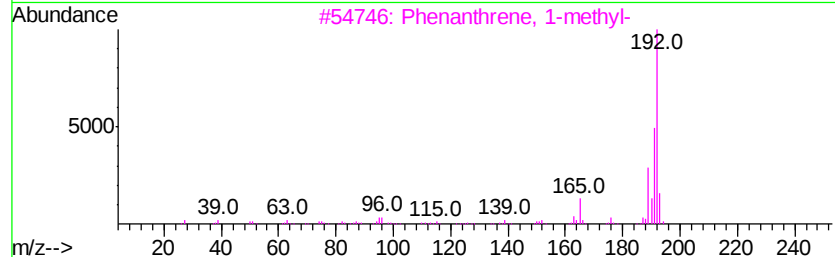
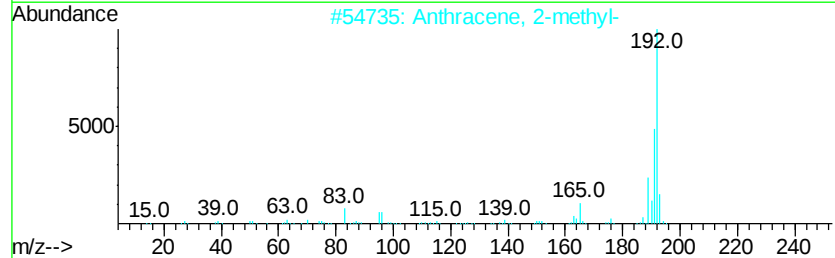
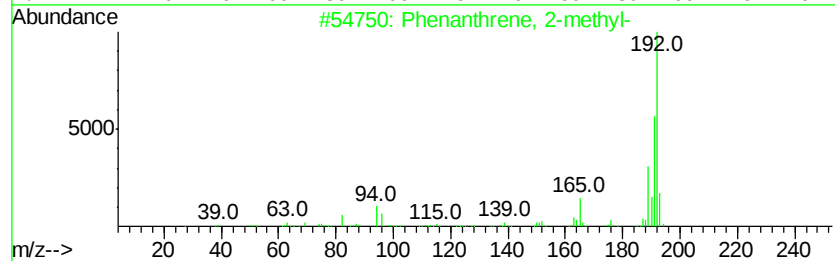
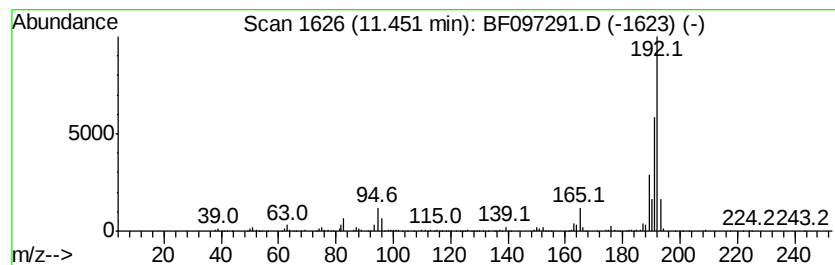
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.45	11.90 ng	476922	Phenanthrene-d10	10.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097291.D
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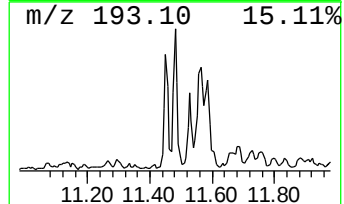
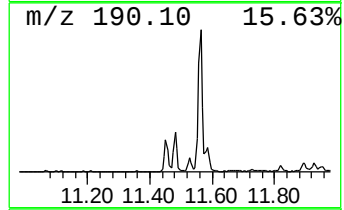
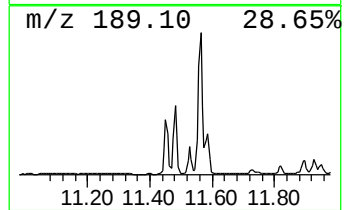
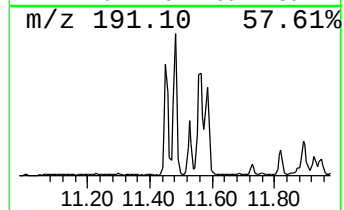
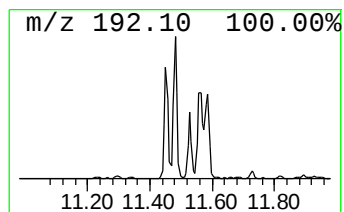
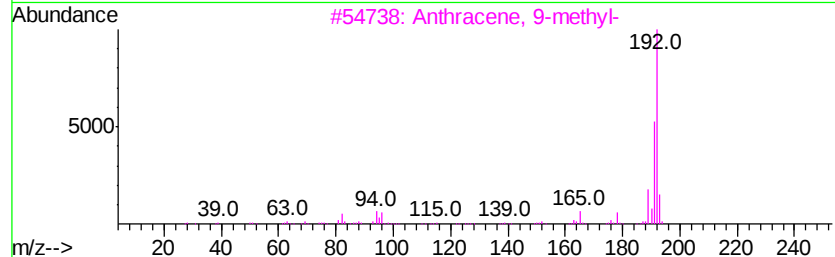
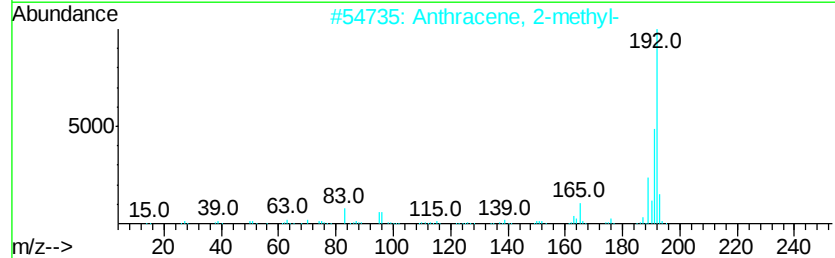
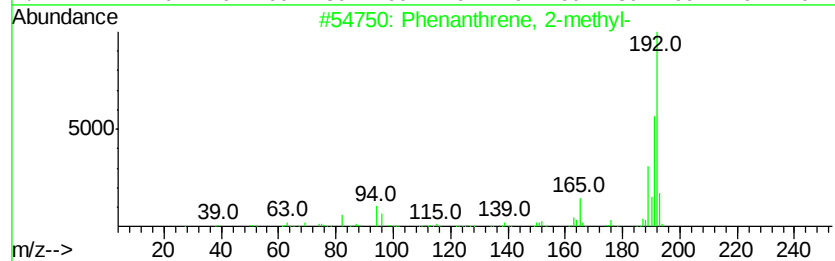
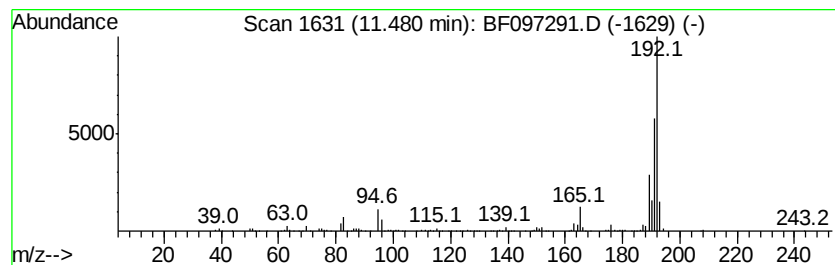
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	12.73 ng	510158	Phenanthrene-d10	10.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



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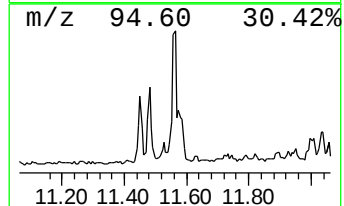
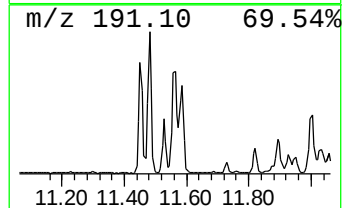
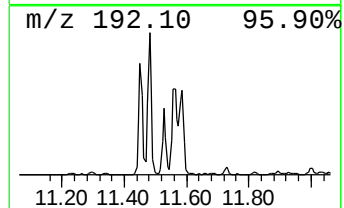
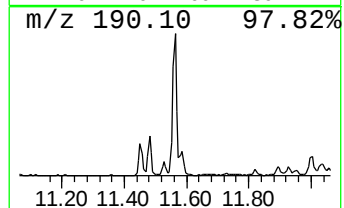
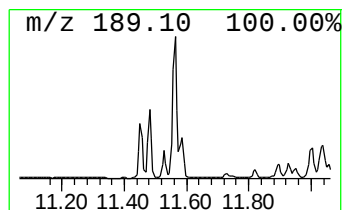
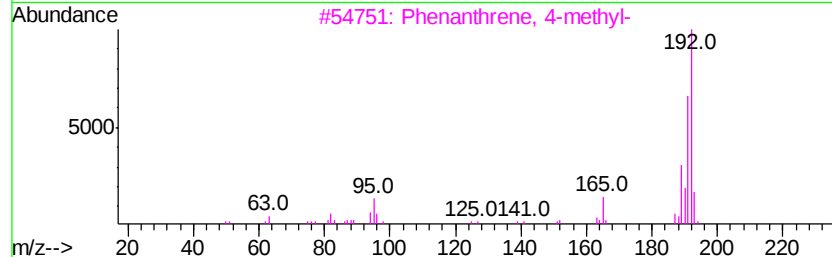
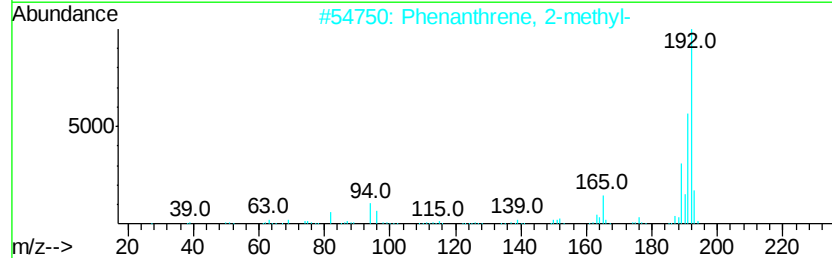
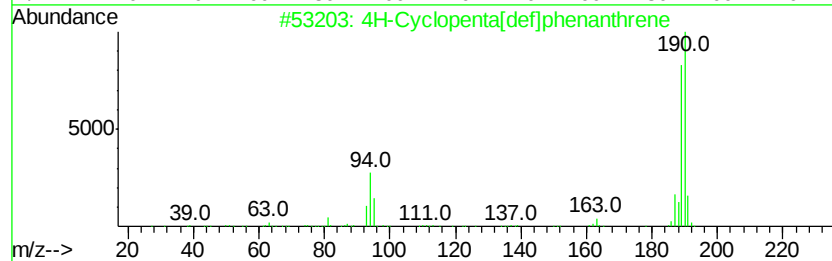
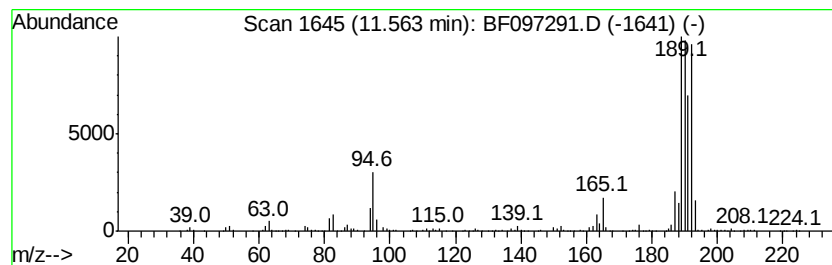
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	19.80 ng	793566	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	42
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097291.D
Acq On : 2 Aug 2017 23:30
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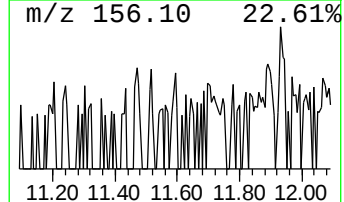
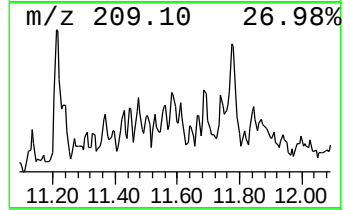
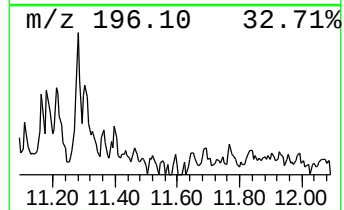
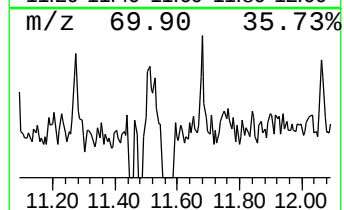
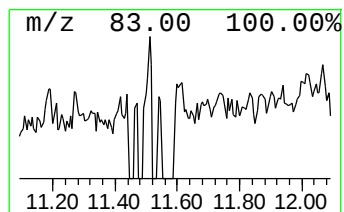
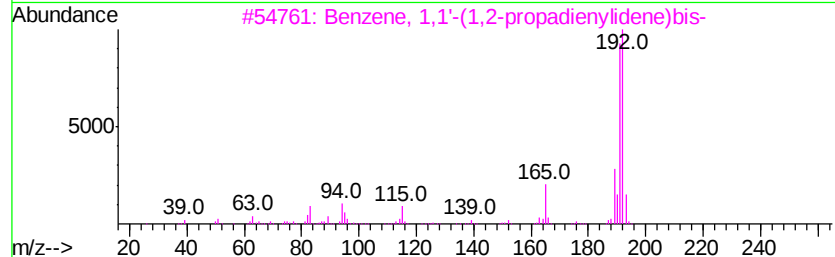
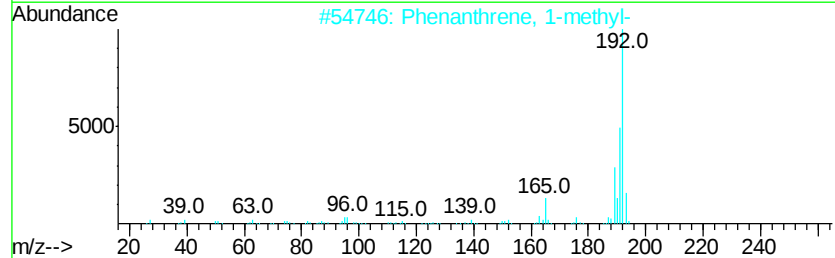
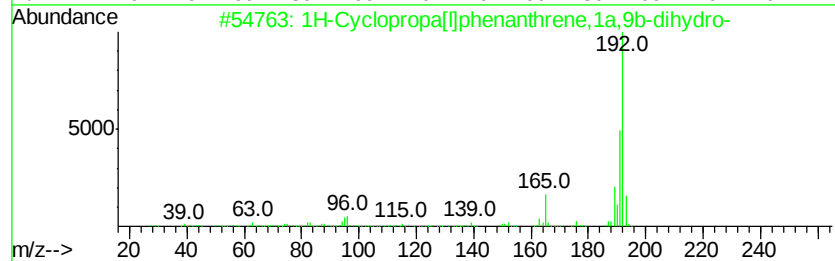
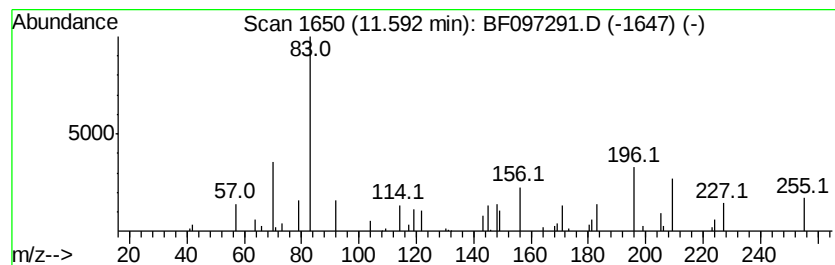
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	7.52 ng	301348	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Benzene, 1,1'-(1,2-propadienyldi...	192	C15H12	014251-57-1	87
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097291.D
Acq On : 2 Aug 2017 23:30
Operator : SJ/JU
Sample : I4540-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11942

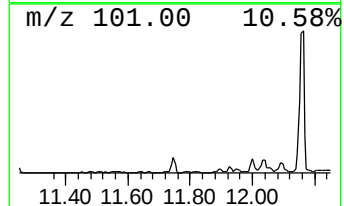
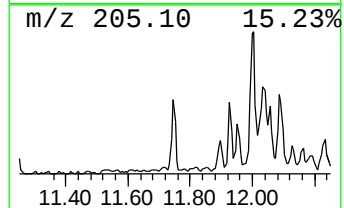
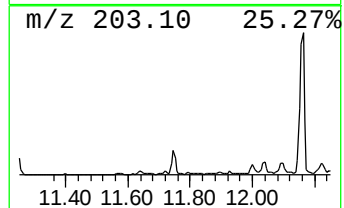
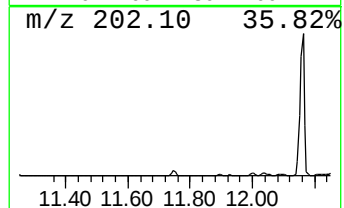
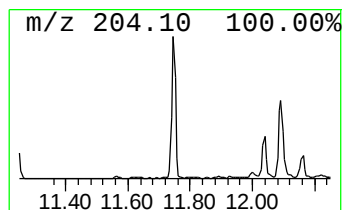
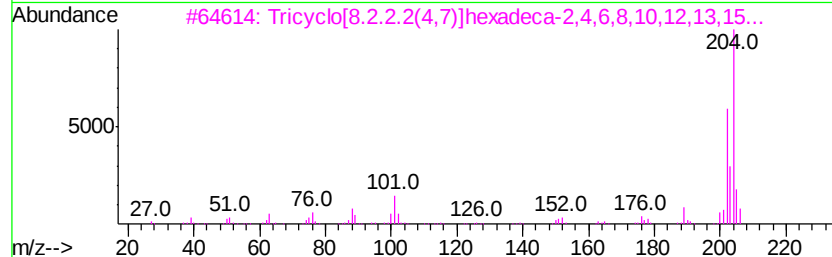
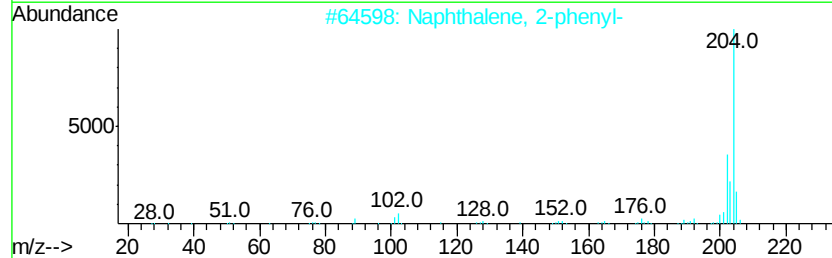
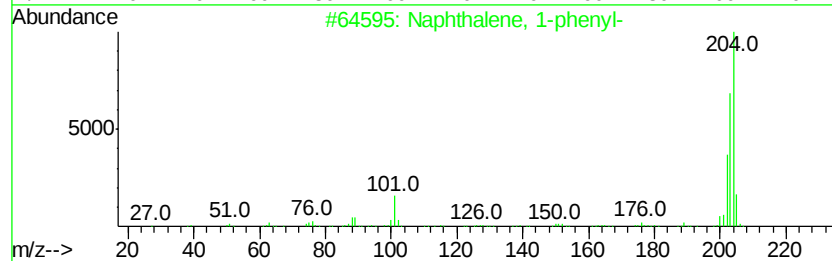
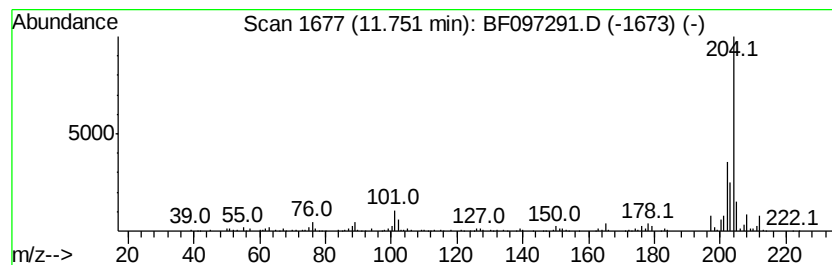
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.76 ng	230837	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097291.D
Acq On : 2 Aug 2017 23:30
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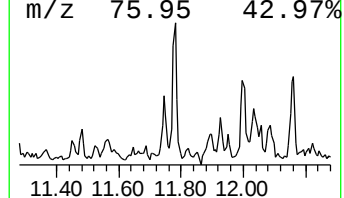
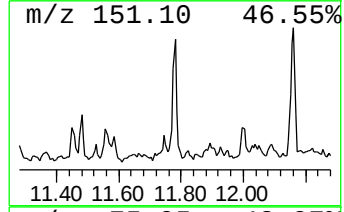
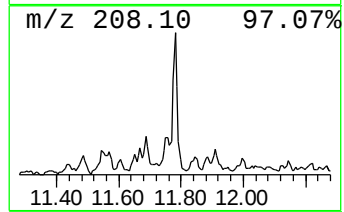
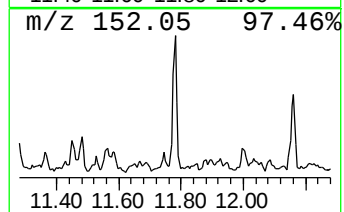
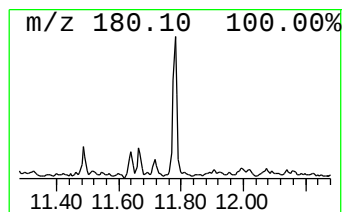
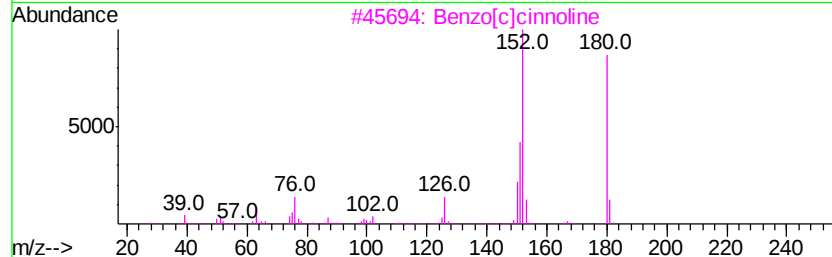
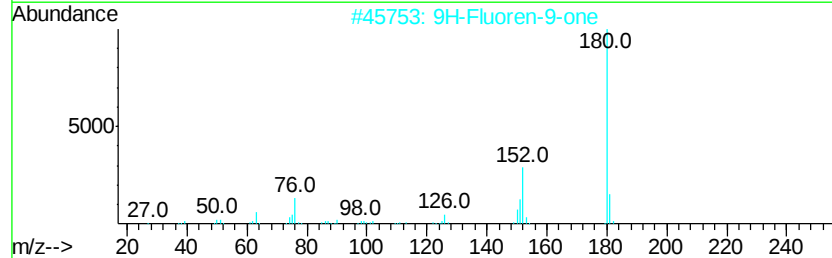
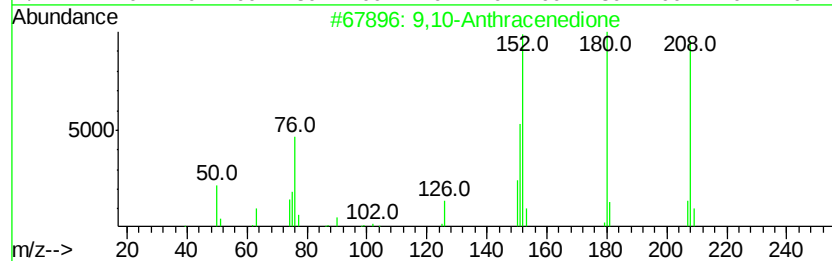
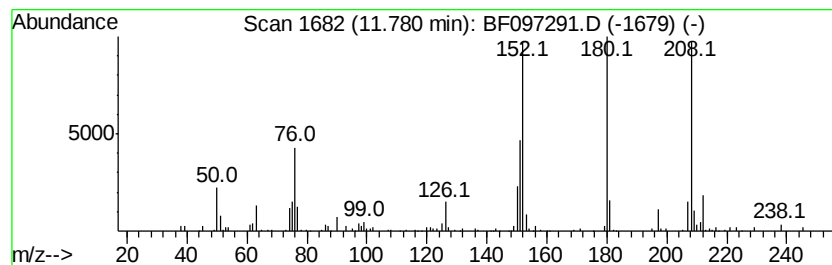
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.48 ng	179449	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4		Acenaphthylene	152	C12H8	000208-96-8	30
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Sample : I4540-13
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ClientSampleId :
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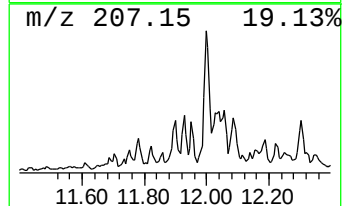
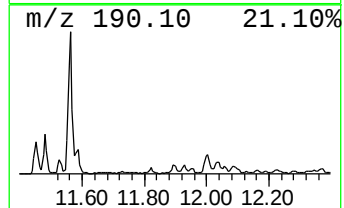
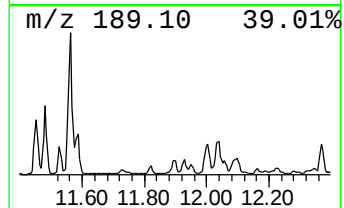
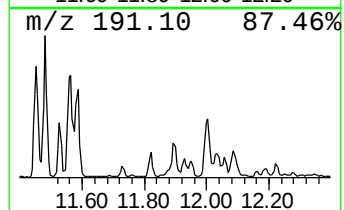
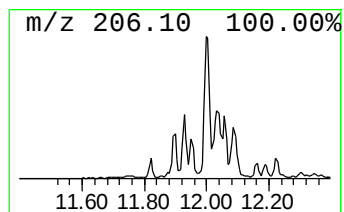
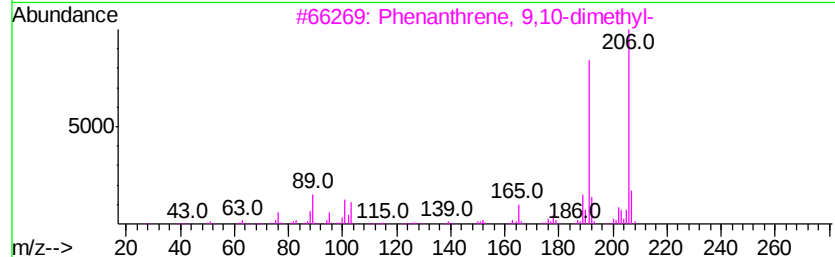
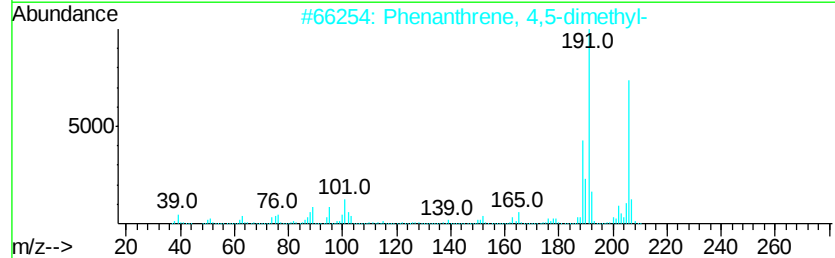
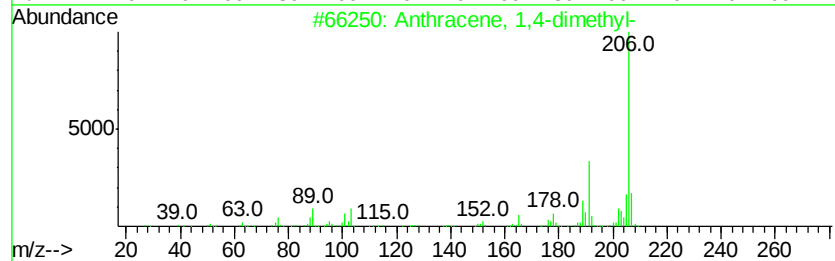
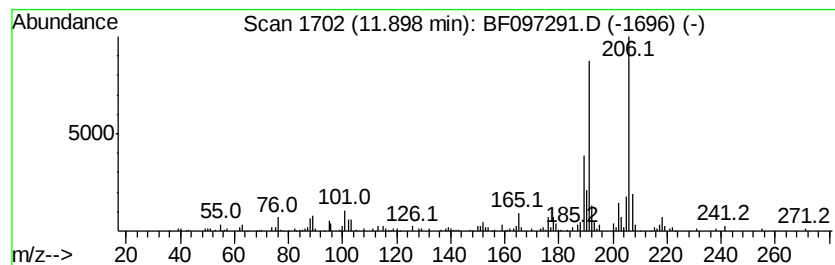
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.54 ng	222162	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3		Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	89
4		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	81
5		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81



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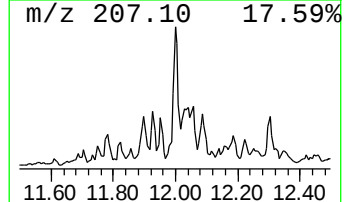
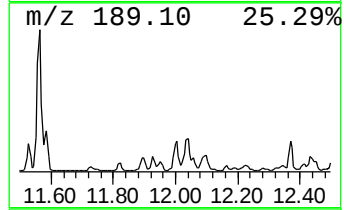
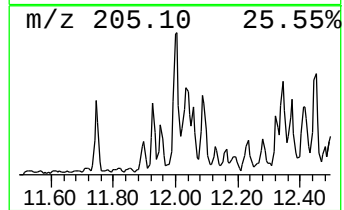
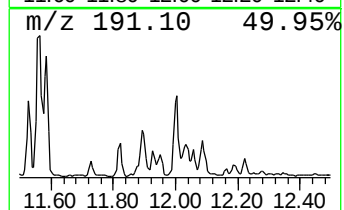
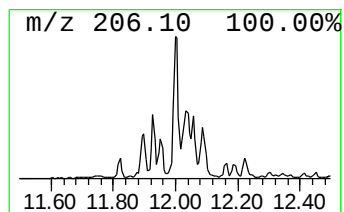
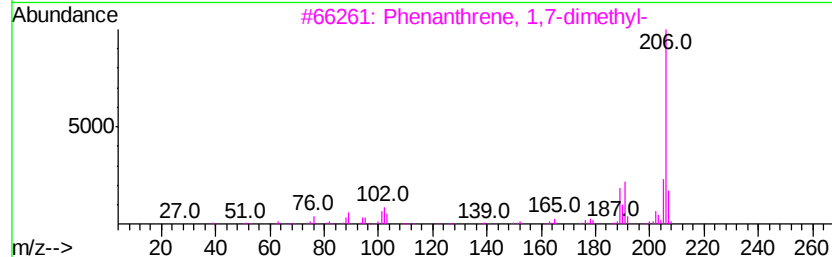
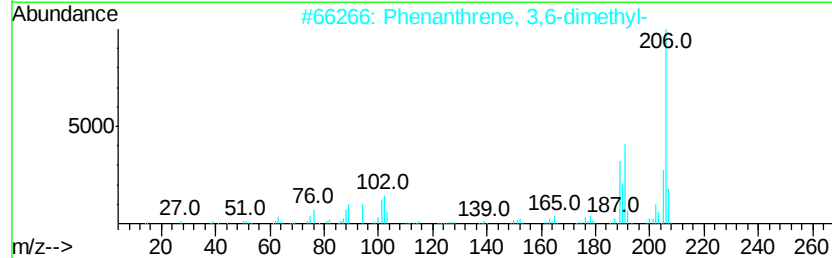
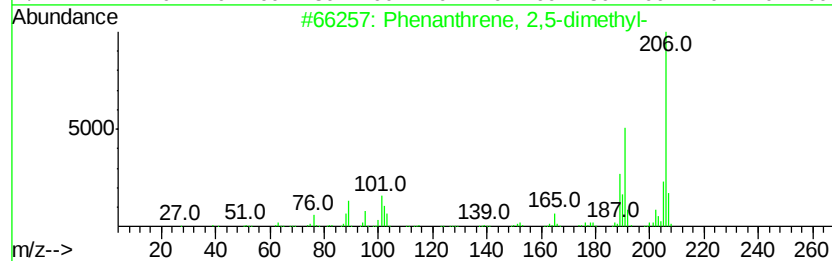
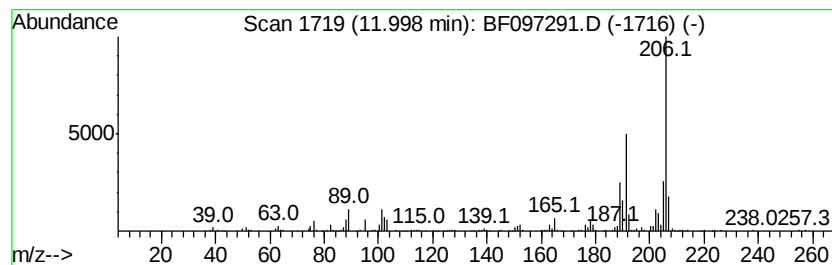
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	9.93 ng	397759	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097291.D
Acq On : 2 Aug 2017 23:30
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Misc :
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Instrument :
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ClientSampleId :
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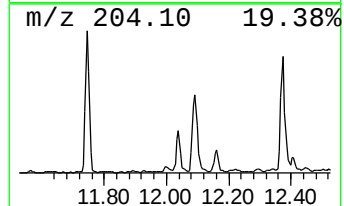
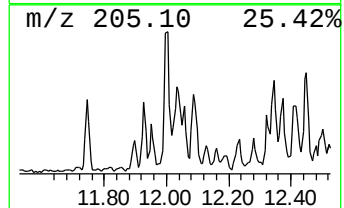
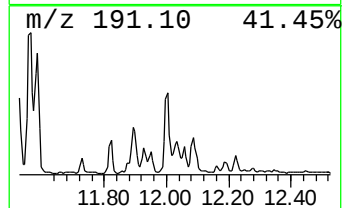
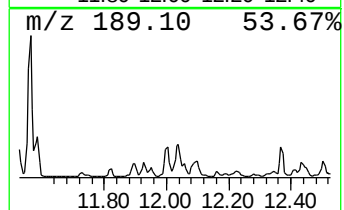
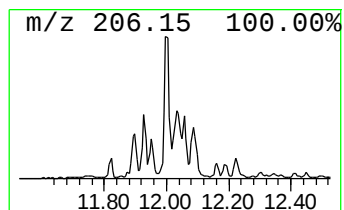
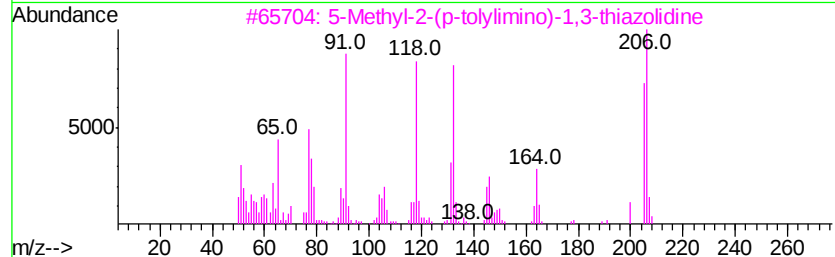
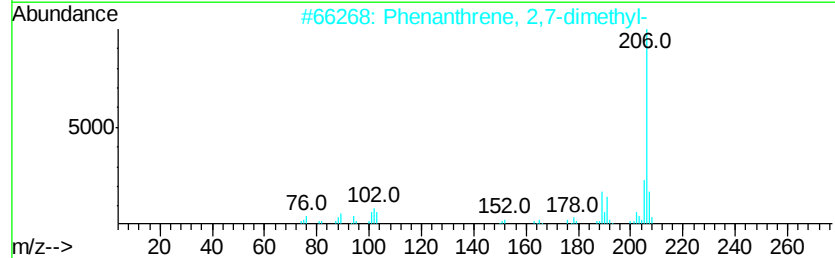
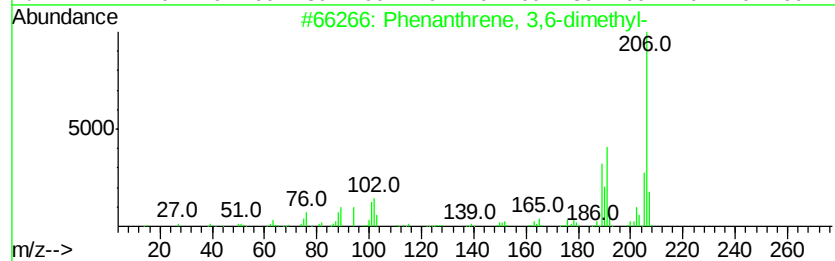
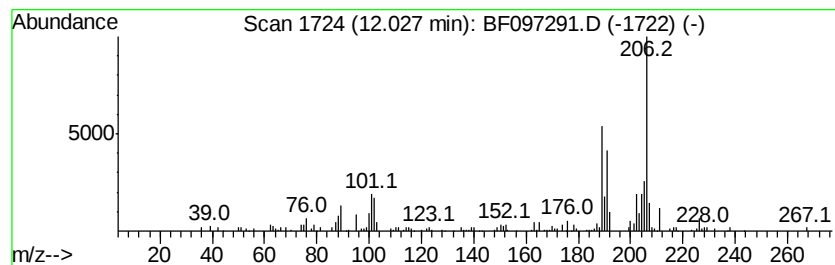
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.81 ng	192764	Phenanthrene-d10	10.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	45
3			5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35
4			Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5			1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
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Acq On : 2 Aug 2017 23:30
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ClientSampleId :
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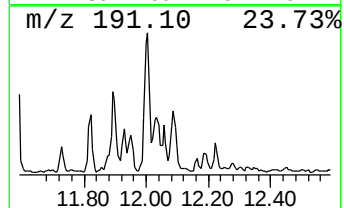
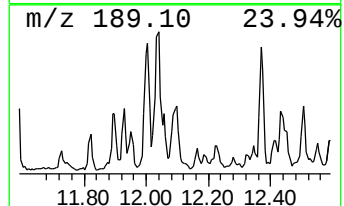
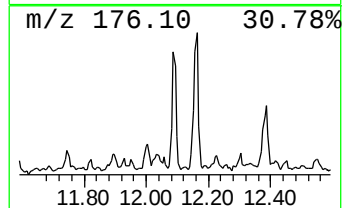
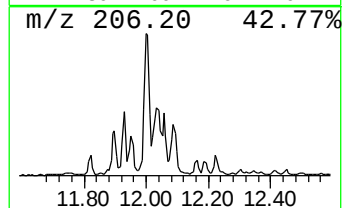
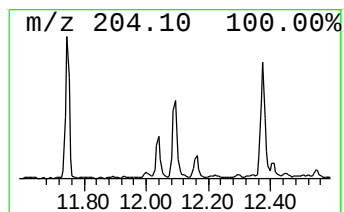
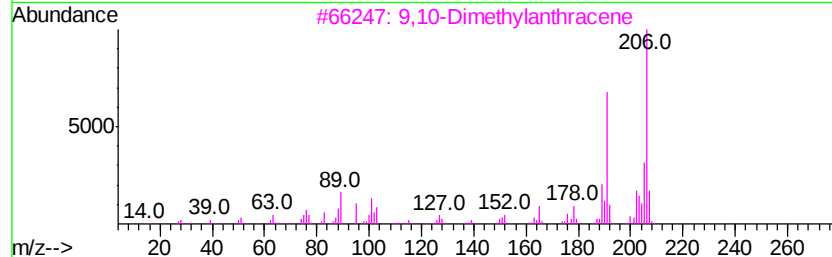
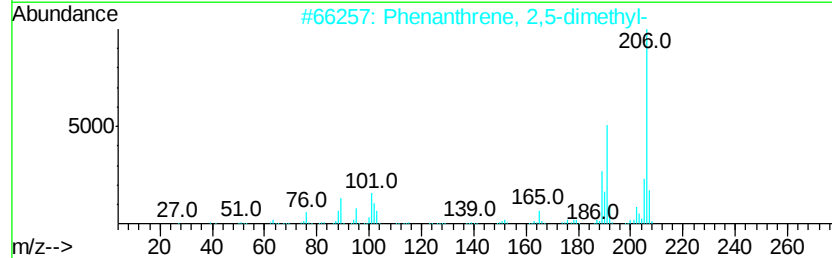
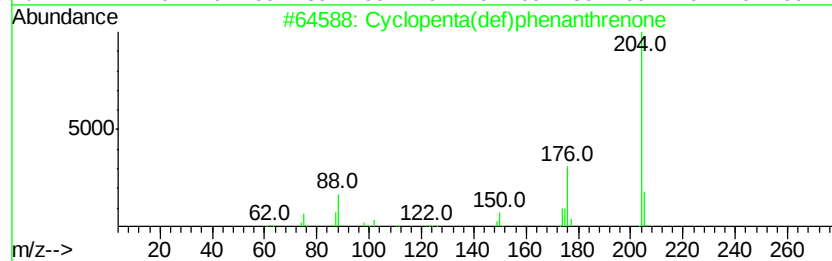
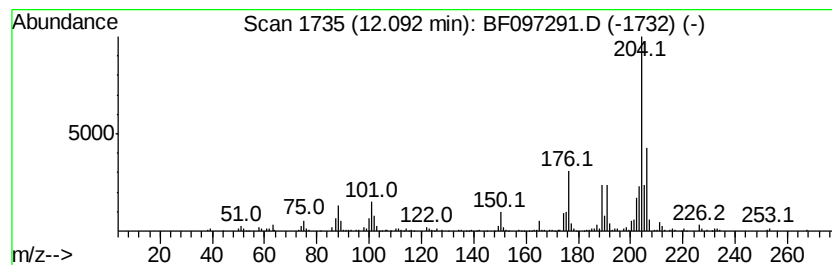
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	6.63 ng	265544	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	56
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	41
5		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Operator : SJ/JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
72-11942

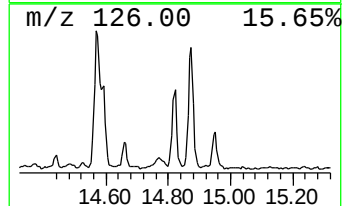
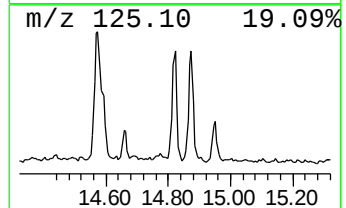
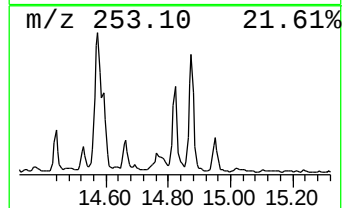
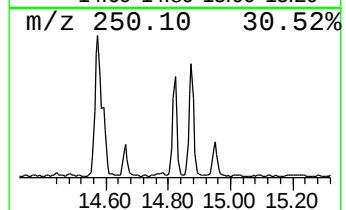
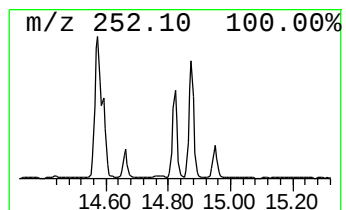
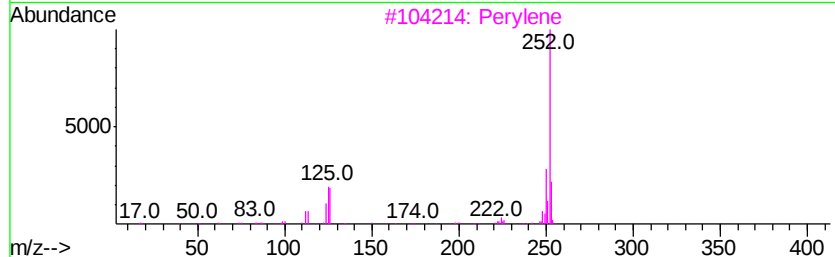
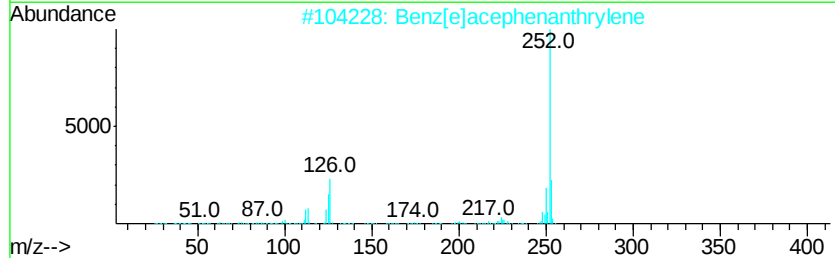
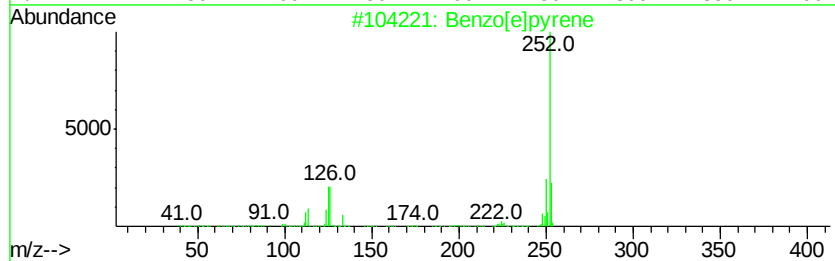
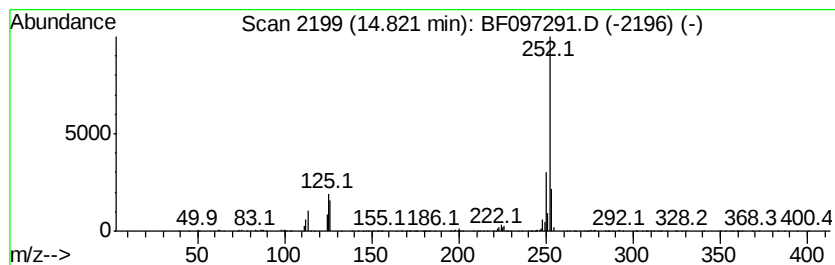
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	22.90 ng	424288	Perylene-d12	14.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3			Perylene	252	C20H12	000198-55-0	94
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
 Data File : BF097291.D
 Acq On : 2 Aug 2017 23:30
 Operator : SJ/JU
 Sample : I4540-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11942

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.57	13.9	ng	541920	1	6.45	780642	20.0
unknown6.23	6.23	50.0	ng	1952910	1	6.45	780642	20.0
Dodecane, 2-methy...	10.40	4.5	ng	181538	4	10.95	801473	20.0
9H-Fluorene, 2-me...	10.57	4.3	ng	172019	4	10.95	801473	20.0
Naphtho[2,1-b]thi...	10.85	4.3	ng	174323	4	10.95	801473	20.0
1-Methyldibenzoth...	11.28	5.2	ng	208975	4	10.95	801473	20.0
Phenanthrene, 2-m...	11.45	11.9	ng	476922	4	10.95	801473	20.0
Anthracene, 2-met...	11.48	12.7	ng	510158	4	10.95	801473	20.0
4H-Cyclopenta[def...	11.56	19.8	ng	793566	4	10.95	801473	20.0
1H-Cyclopropa[l]p...	11.59	7.5	ng	301348	4	10.95	801473	20.0
Naphthalene, 1-ph...	11.75	5.8	ng	230837	4	10.95	801473	20.0
9,10-Anthracenedione	11.78	4.5	ng	179449	4	10.95	801473	20.0
Anthracene, 1,4-d...	11.90	5.5	ng	222162	4	10.95	801473	20.0
Phenanthrene, 2,5...	12.00	9.9	ng	397759	4	10.95	801473	20.0
Phenanthrene, 3,6...	12.03	4.8	ng	192764	4	10.95	801473	20.0
Cyclopenta(def)ph...	12.09	6.6	ng	265544	4	10.95	801473	20.0
Benzo[e]pyrene	14.82	22.9	ng	424288	6	14.92	370621	20.0