

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098181.D
 Acq On : 31 Aug 2017 3:05
 Operator : SJ/JU
 Sample : I5023-04 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-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-BF081517.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	4.910	477	480	490	rBV	109352	136425	3.26%	0.237%
2	5.328	547	551	555	rBV	1852691	1887562	45.05%	3.279%
3	6.363	722	727	738	rBV	2095842	1977397	47.19%	3.436%
4	6.492	745	749	753	rBV	2092706	1905145	45.47%	3.310%
5	6.728	785	789	792	rBV	847807	742273	17.72%	1.290%
6	6.881	811	815	819	rBV	1677551	1443255	34.45%	2.507%
7	7.287	878	884	888	rBV	1124674	1097390	26.19%	1.907%
8	8.010	1002	1007	1009	rBV	1039807	886727	21.16%	1.541%
9	8.028	1009	1010	1017	rVB	148994	114855	2.74%	0.200%
10	8.722	1124	1128	1132	rBV	130646	107857	2.57%	0.187%
11	8.822	1141	1145	1148	rVB	161327	144025	3.44%	0.250%
12	9.086	1185	1190	1193	rBV	2069634	1805149	43.08%	3.136%
13	9.351	1230	1235	1238	rBV	94956	123960	2.96%	0.215%
14	9.422	1243	1247	1249	rVV	170989	165967	3.96%	0.288%
15	9.445	1249	1251	1254	rVV	106589	95905	2.29%	0.167%
16	9.480	1254	1257	1261	rVV	275380	248117	5.92%	0.431%
17	9.539	1263	1267	1272	rVV	75299	100139	2.39%	0.174%
18	9.622	1275	1281	1287	rBV	201803	185906	4.44%	0.323%
19	9.763	1298	1305	1307	rBV	848059	822057	19.62%	1.428%
20	9.792	1307	1310	1314	rVB	299746	246566	5.88%	0.428%
21	9.963	1333	1339	1343	rVV	266933	235917	5.63%	0.410%
22	10.075	1353	1358	1361	rBV2	80939	90472	2.16%	0.157%
23	10.169	1369	1374	1375	rBV2	57963	80453	1.92%	0.140%
24	10.304	1394	1397	1403	rVB	431625	392244	9.36%	0.681%
25	10.369	1403	1408	1410	rBV	68597	92878	2.22%	0.161%
26	10.463	1421	1424	1428	rVB2	93387	87108	2.08%	0.151%
27	10.545	1433	1438	1442	rVV	951404	896616	21.40%	1.558%
28	10.669	1455	1459	1466	rVB3	128744	165793	3.96%	0.288%
29	10.851	1487	1490	1493	rVV2	175217	202262	4.83%	0.351%
30	10.880	1493	1495	1498	rVV2	94812	90928	2.17%	0.158%
31	11.051	1520	1524	1527	rVB	113854	116574	2.78%	0.203%
32	11.139	1537	1539	1545	rVB	214328	186227	4.44%	0.324%
33	11.198	1545	1549	1553	rBV	1323155	1158900	27.66%	2.013%
34	11.245	1553	1557	1558	rBV	742912	676576	16.15%	1.175%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.269	1558	1561	1564	rVV	2331323	2045694	48.82%	3.554%
36	11.322	1564	1570	1572	rVV	723343	669500	15.98%	1.163%
37	11.351	1572	1575	1578	rVB2	628187	493173	11.77%	0.857%
38	11.457	1589	1593	1595	rBV	481576	485050	11.58%	0.843%
39	11.539	1604	1607	1609	rBV	121772	86108	2.06%	0.150%
40	11.574	1609	1613	1618	rVB3	135329	142990	3.41%	0.248%
41	11.657	1624	1627	1630	rVB	69568	77288	1.84%	0.134%
42	11.745	1636	1642	1644	rBV	457008	449268	10.72%	0.781%
43	11.774	1644	1647	1650	rVB	510462	469282	11.20%	0.815%
44	11.822	1651	1655	1657	rBV	203334	210040	5.01%	0.365%
45	11.857	1657	1661	1663	rVV	782649	816479	19.49%	1.419%
46	11.874	1663	1664	1669	rVB	340400	268933	6.42%	0.467%
47	12.039	1689	1692	1694	rVV	290073	249604	5.96%	0.434%
48	12.063	1694	1696	1703	rVB2	242180	245703	5.86%	0.427%
49	12.186	1715	1717	1720	rVV	118355	107018	2.55%	0.186%
50	12.216	1720	1722	1724	rVV	141647	120789	2.88%	0.210%
51	12.239	1724	1726	1729	rVB2	105129	96995	2.31%	0.169%
52	12.292	1729	1735	1738	rBV	357640	431015	10.29%	0.749%
53	12.327	1738	1741	1744	rVV2	268656	374631	8.94%	0.651%
54	12.380	1747	1750	1755	rVV2	326585	374190	8.93%	0.650%
55	12.463	1759	1764	1767	rBV	3364674	3453029	82.41%	5.999%
56	12.504	1767	1771	1772	rVV	82089	87571	2.09%	0.152%
57	12.604	1781	1788	1792	rBV2	181341	297570	7.10%	0.517%
58	12.692	1796	1803	1807	rBV	3276639	4189945	100.00%	7.280%
59	12.733	1807	1810	1815	rVB2	161534	239346	5.71%	0.416%
60	12.798	1818	1821	1823	rBV	205633	212094	5.06%	0.368%
61	12.827	1823	1826	1832	rVB	1523197	1531842	36.56%	2.661%
62	12.904	1833	1839	1842	rBV2	324056	523403	12.49%	0.909%
63	12.957	1846	1848	1850	rBV3	109251	103599	2.47%	0.180%
64	12.986	1850	1853	1855	rVV4	259250	333813	7.97%	0.580%
65	13.010	1855	1857	1860	rVB	584910	487339	11.63%	0.847%
66	13.074	1860	1868	1871	rBV	432603	528398	12.61%	0.918%
67	13.116	1871	1875	1877	rBV2	468217	522343	12.47%	0.908%
68	13.139	1877	1879	1882	rVV	120758	119028	2.84%	0.207%
69	13.204	1887	1890	1893	rVB	316325	254727	6.08%	0.443%
70	13.233	1893	1895	1899	rBV	317988	291505	6.96%	0.506%
71	13.410	1918	1925	1927	rBV6	130230	254525	6.07%	0.442%

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72	13.492	1936	1939	1940	rVV	101413	99060	2.36%	0.172%
73	13.516	1940	1943	1948	rVV	414400	453226	10.82%	0.787%
74	13.627	1957	1962	1964	rBV2	425646	507220	12.11%	0.881%
75	13.657	1964	1967	1969	rVV	355547	365925	8.73%	0.636%
76	13.680	1969	1971	1976	rVV2	385453	504082	12.03%	0.876%
77	13.727	1976	1979	1983	rVV	413318	424611	10.13%	0.738%
78	13.798	1988	1991	1994	rVV2	82008	92245	2.20%	0.160%
79	13.874	1997	2004	2007	rBV2	2028557	2986810	71.29%	5.189%
80	13.910	2007	2010	2015	rVB	1843410	1824936	43.56%	3.171%
81	13.986	2020	2023	2027	rVB	374751	308381	7.36%	0.536%
82	14.021	2027	2029	2031	rBV	114316	97988	2.34%	0.170%
83	14.092	2039	2041	2046	rVB2	141618	221358	5.28%	0.385%
84	14.133	2046	2048	2051	rVB	94709	76521	1.83%	0.133%
85	14.227	2062	2064	2066	rBV	103007	89369	2.13%	0.155%
86	14.263	2066	2070	2073	rVV	376553	381957	9.12%	0.664%
87	14.298	2073	2076	2079	rVB	224172	199811	4.77%	0.347%
88	14.357	2083	2086	2088	rVV3	177670	199185	4.75%	0.346%
89	14.386	2088	2091	2093	rVV2	231839	225578	5.38%	0.392%
90	14.410	2093	2095	2098	rVB	188573	152165	3.63%	0.264%
91	14.568	2119	2122	2124	rBV2	109947	105844	2.53%	0.184%
92	14.645	2133	2135	2138	rBV2	81985	74951	1.79%	0.130%
93	14.904	2173	2179	2181	rBV	1409207	2250238	53.71%	3.910%
94	14.998	2192	2195	2198	rVB	299782	292669	6.99%	0.508%
95	15.180	2222	2226	2231	rVB	780532	1039339	24.81%	1.806%
96	15.245	2232	2237	2241	rBV	1248365	1504379	35.90%	2.614%
97	15.298	2242	2246	2248	rVV	370426	467558	11.16%	0.812%
98	15.327	2248	2251	2257	rVB	457688	560866	13.39%	0.974%
99	16.674	2474	2480	2487	rVB2	480691	933408	22.28%	1.622%
100	17.092	2545	2551	2561	rVB	365375	764438	18.24%	1.328%

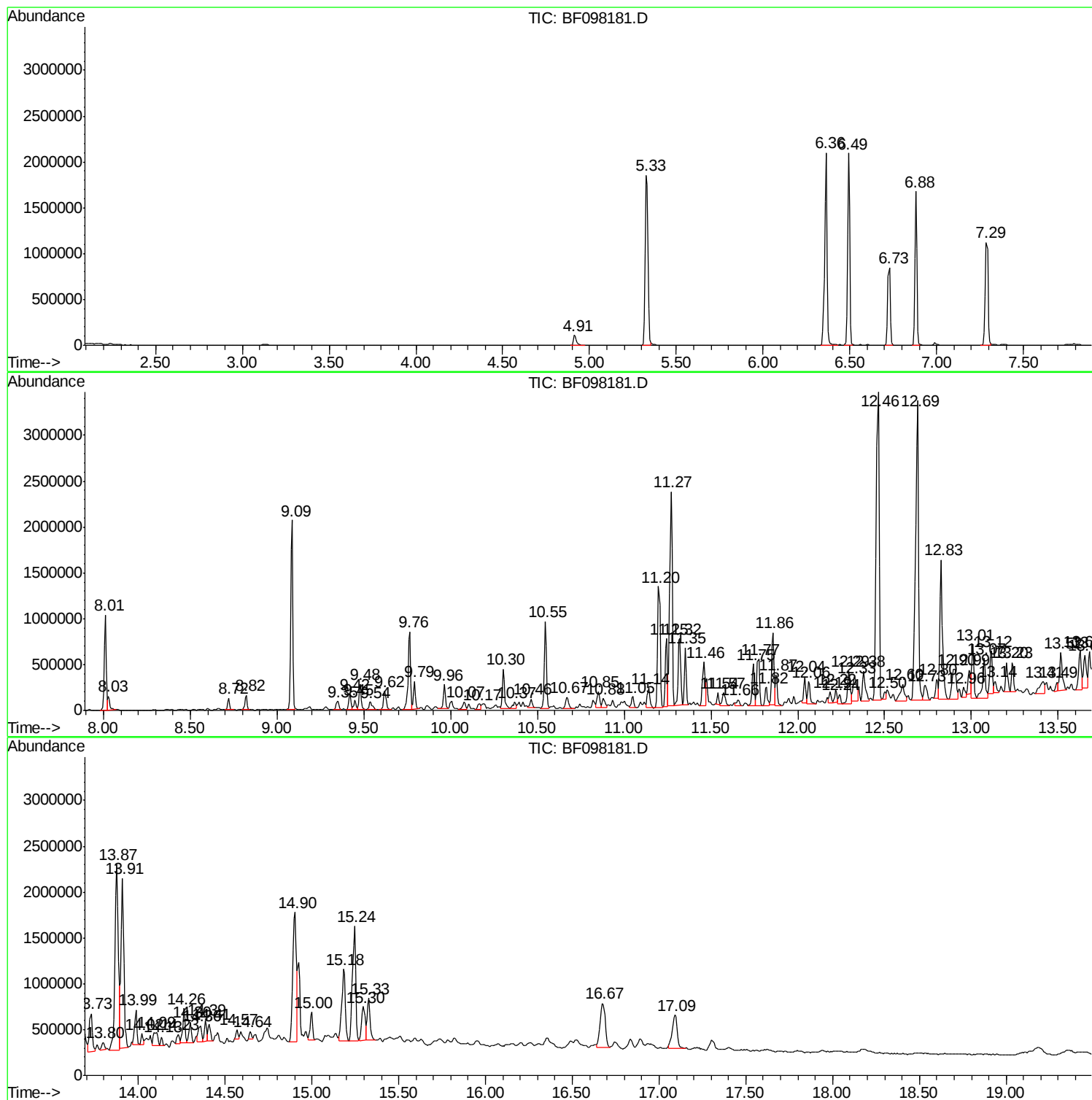
Sum of corrected areas: 57557570

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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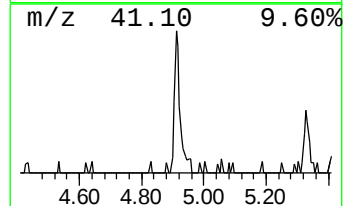
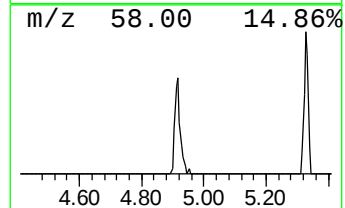
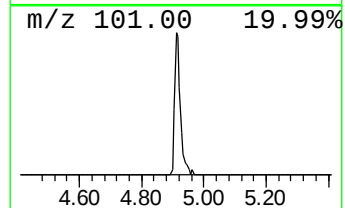
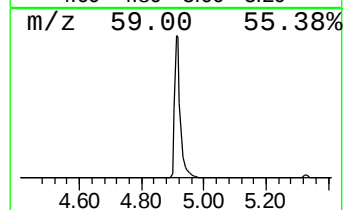
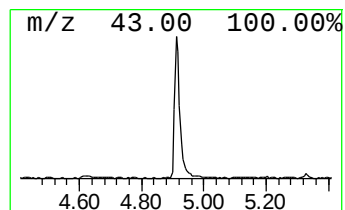
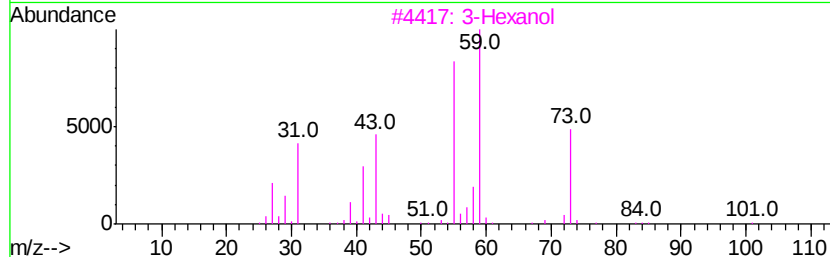
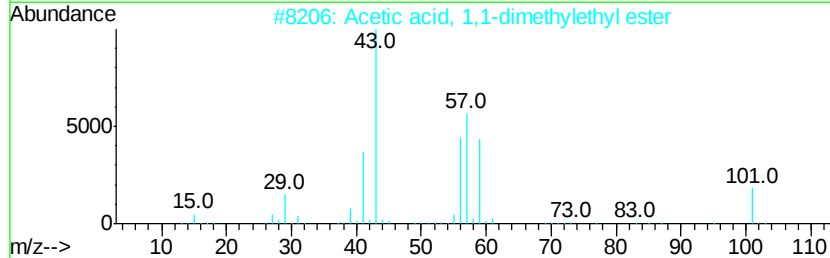
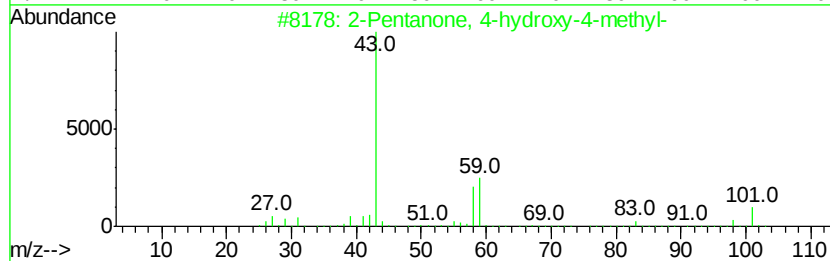
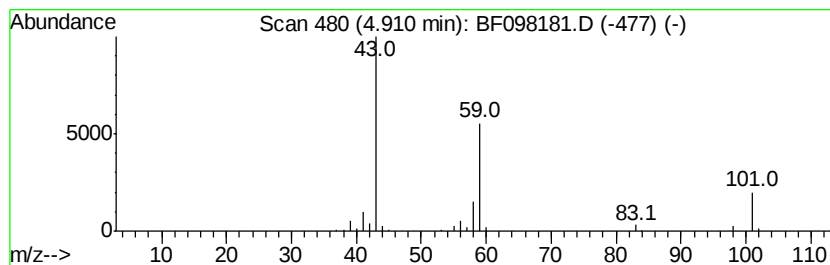
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	3.68 ng	136425	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol	102	C6H14O	000623-37-0	28
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



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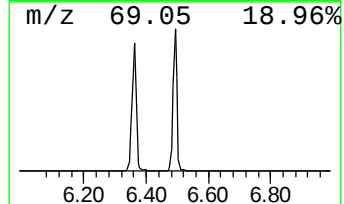
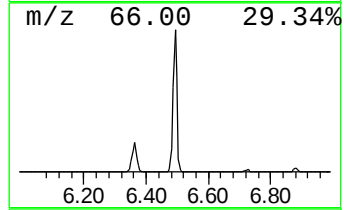
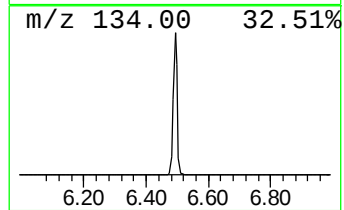
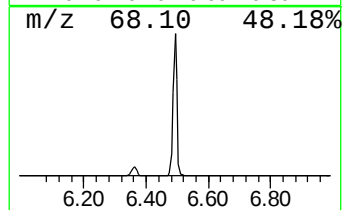
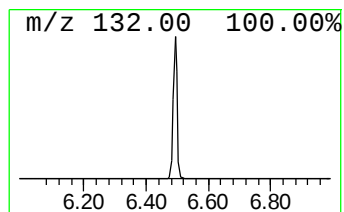
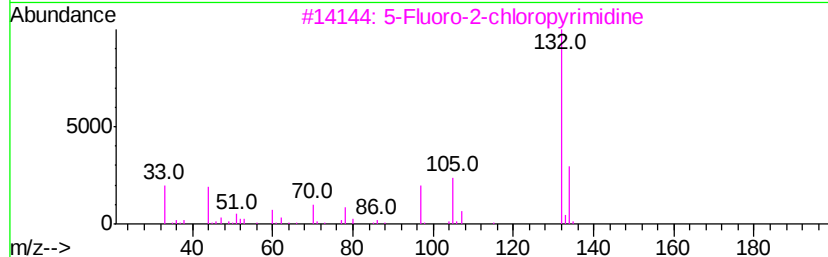
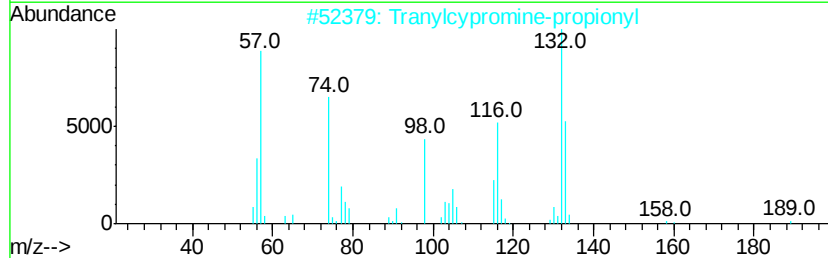
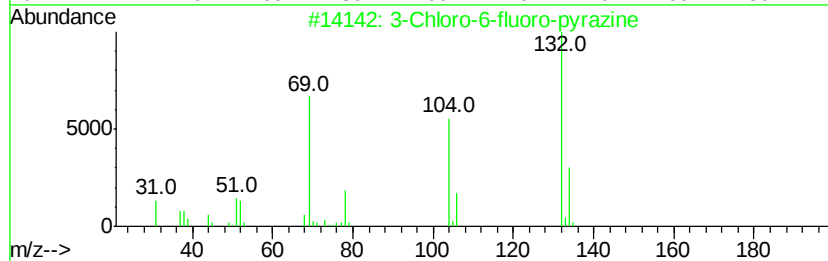
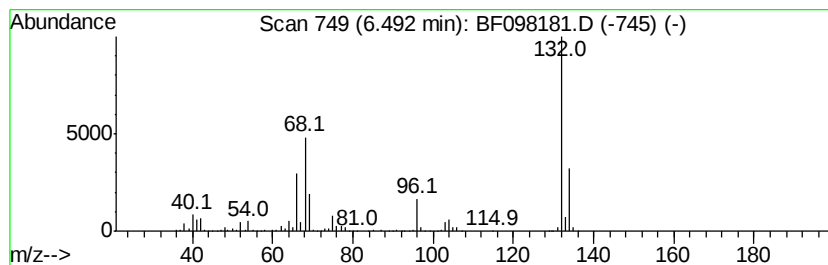
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	51.33 ng	1905150	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		Xenon	132	Xe	007440-63-3	9



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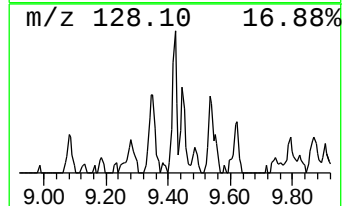
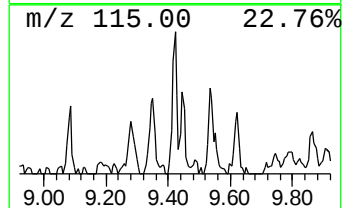
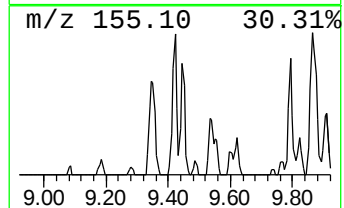
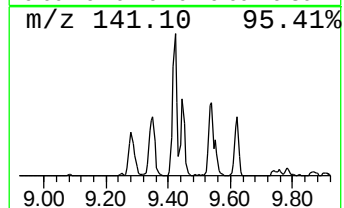
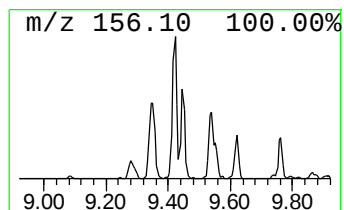
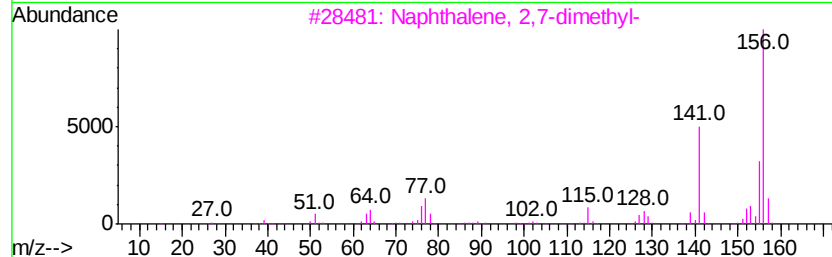
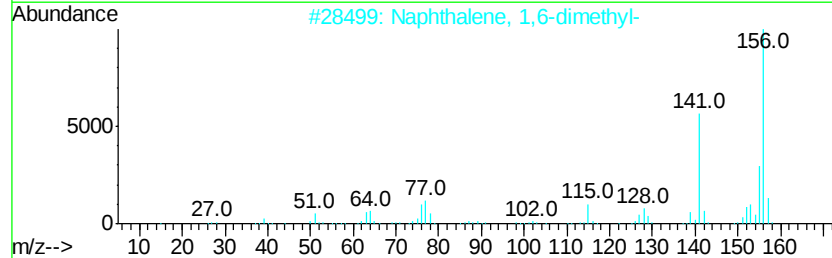
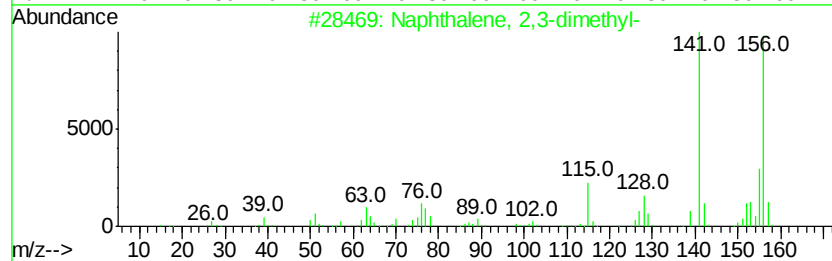
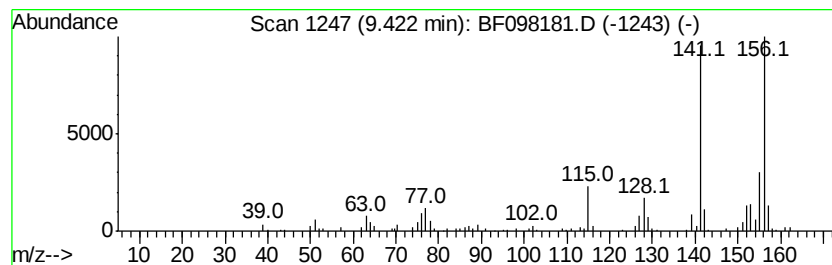
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	4.04 ng	165967	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
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Acq On : 31 Aug 2017 3:05
Operator : SJ/JU
Sample : I5023-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-082917-B

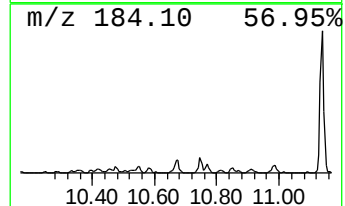
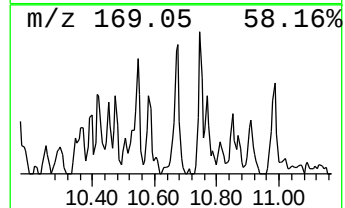
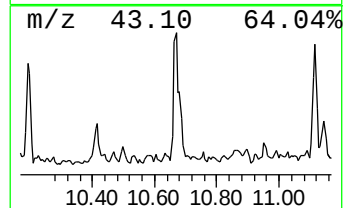
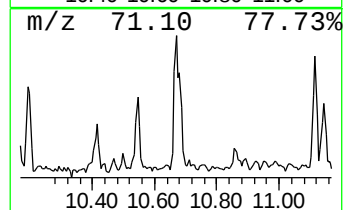
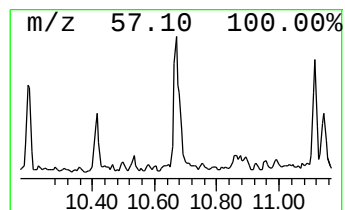
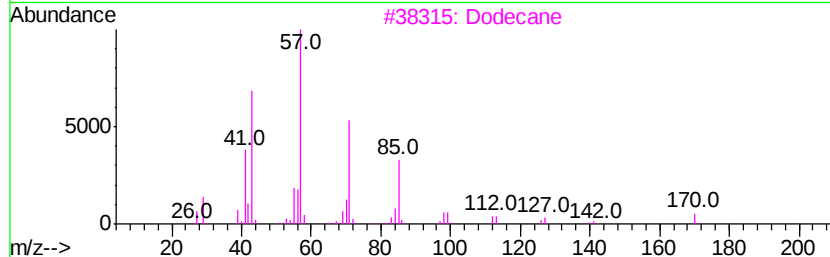
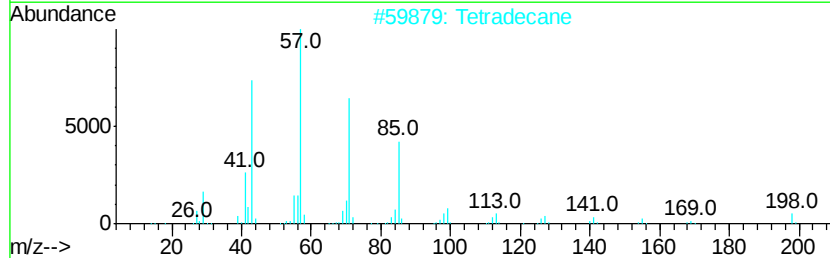
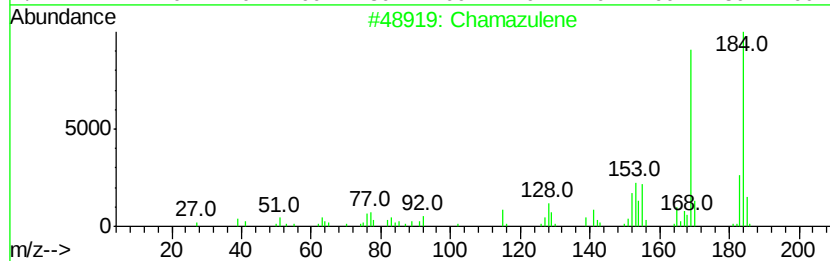
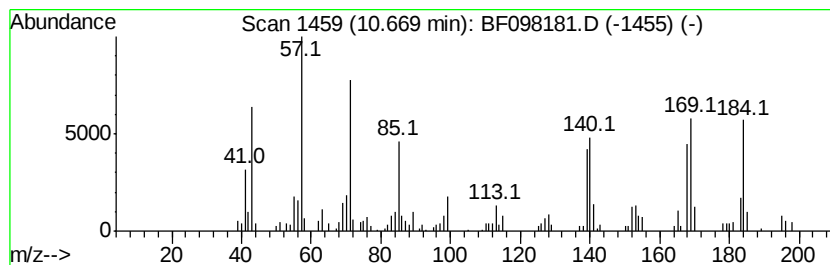
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Chamazulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	4.90 ng	165793	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Chamazulene	184	C14H16	000529-05-5	46
2		Tetradecane	198	C14H30	000629-59-4	38
3		Dodecane	170	C12H26	000112-40-3	38
4		Hexacosane	366	C26H54	000630-01-3	30
5		Heneicosane	296	C21H44	000629-94-7	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
Operator : SJ/JU
Sample : I5023-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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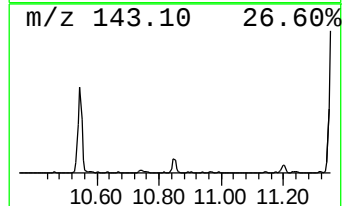
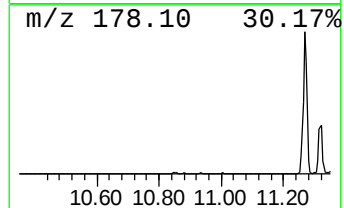
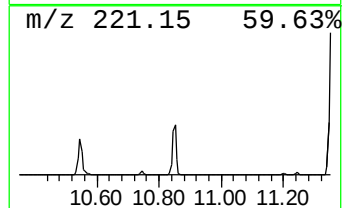
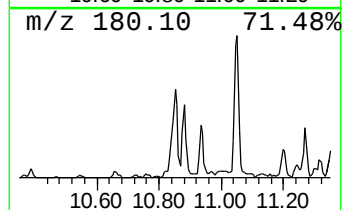
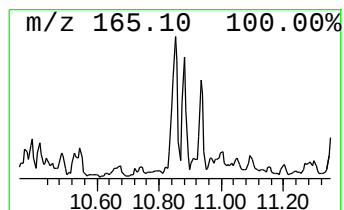
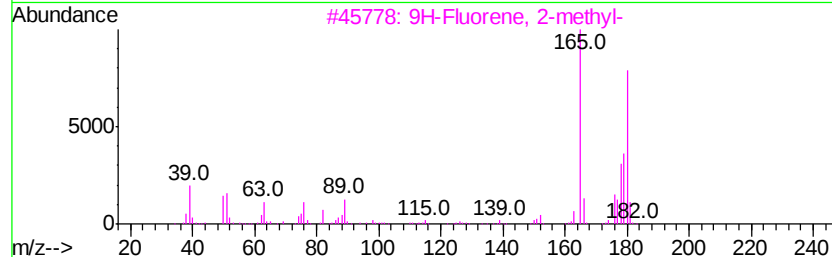
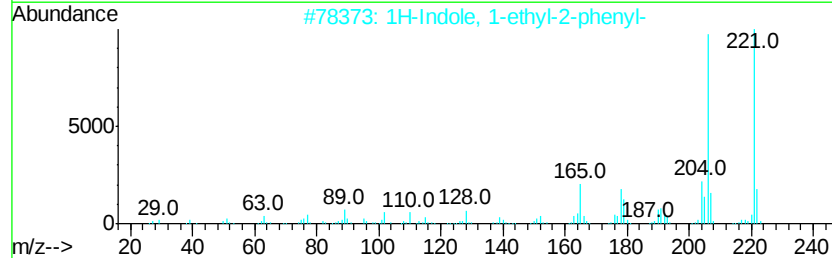
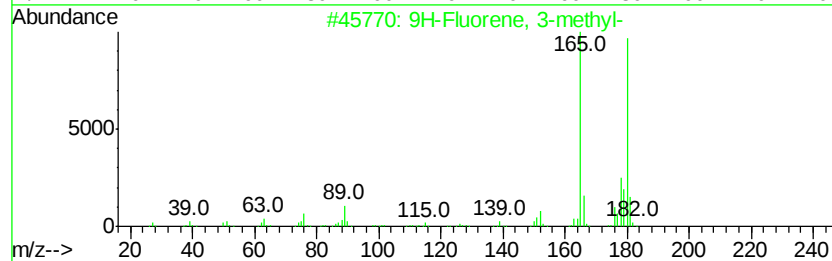
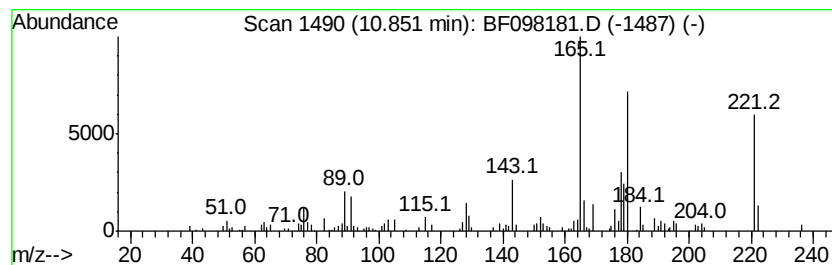
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	5.98 ng	202262	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
2		1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	64
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	53
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
Operator : SJ/JU
Sample : I5023-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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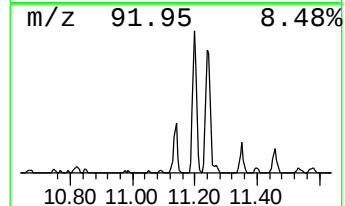
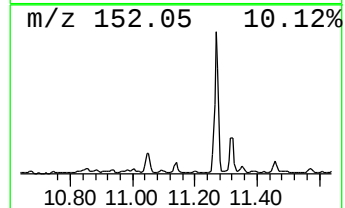
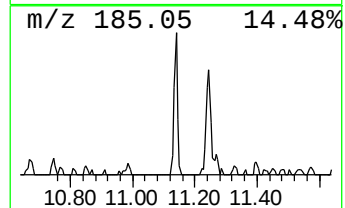
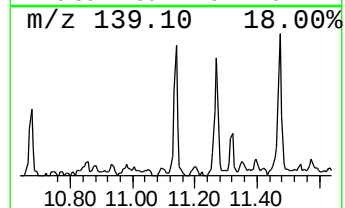
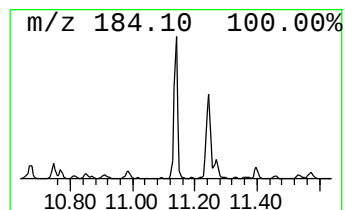
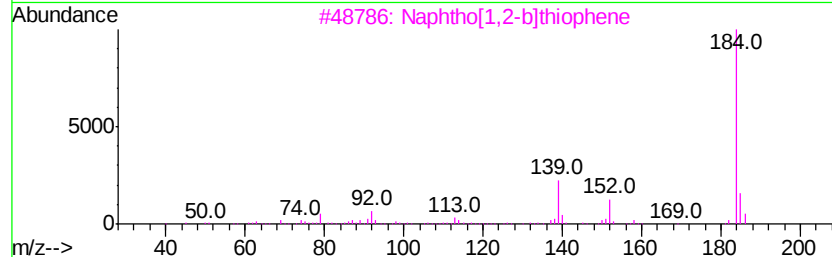
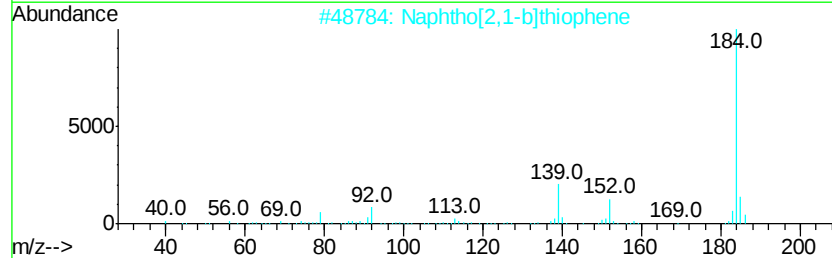
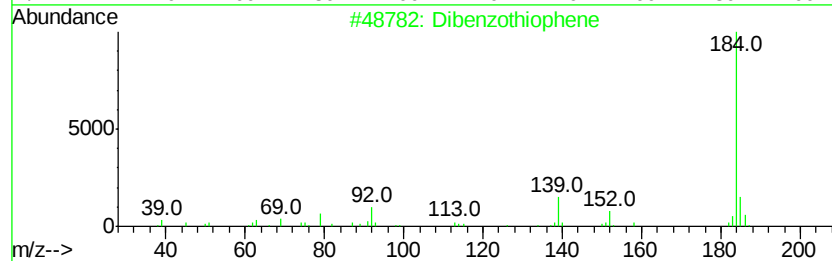
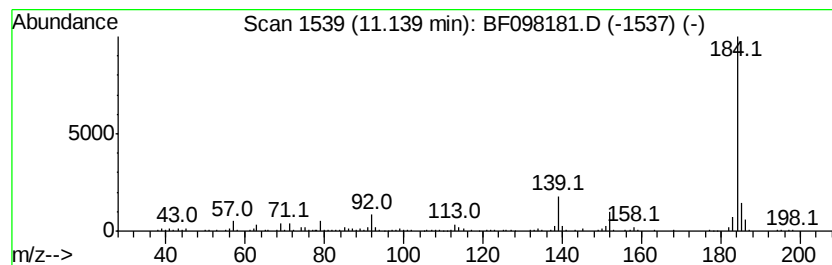
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	5.50 ng	186227	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
Operator : SJ/JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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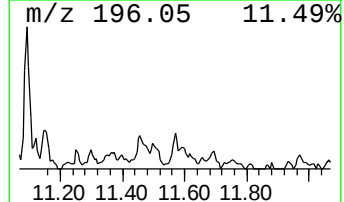
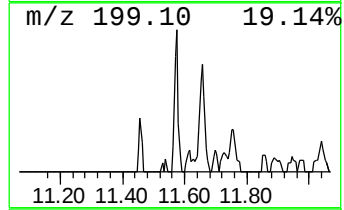
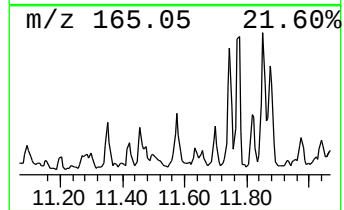
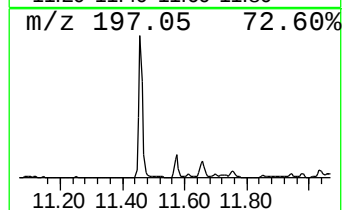
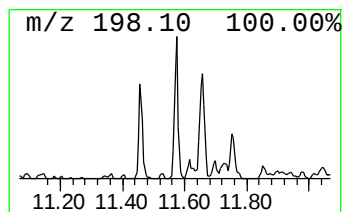
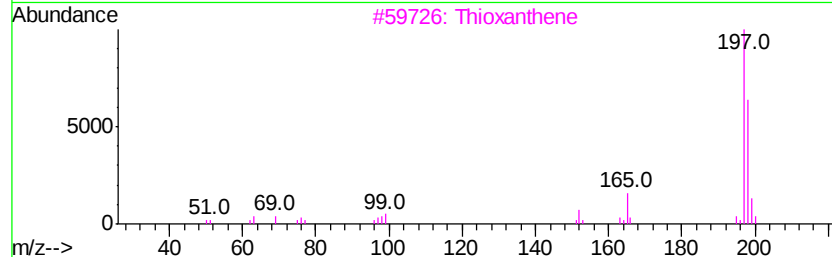
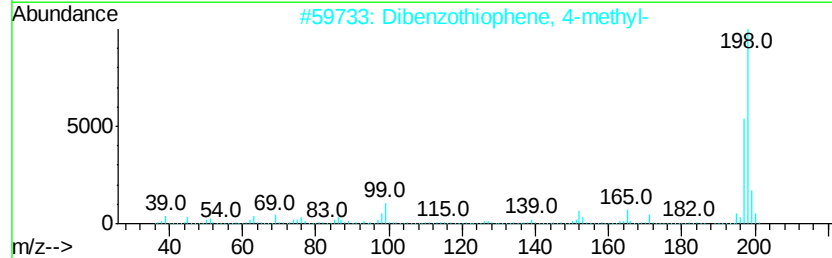
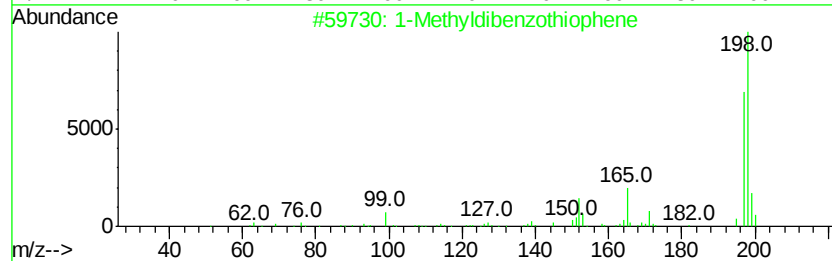
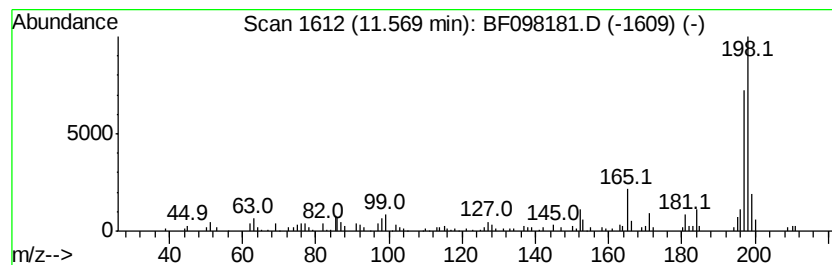
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	4.23 ng	142990	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3		Thioxanthene	198	C13H10S	000261-31-4	83
4		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
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Instrument :
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ClientSampleId :
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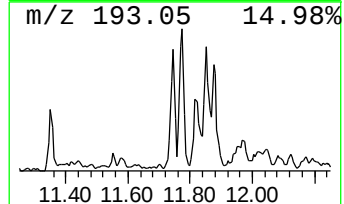
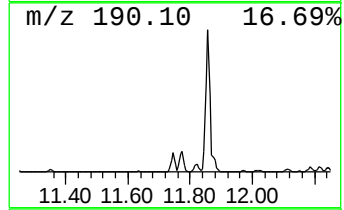
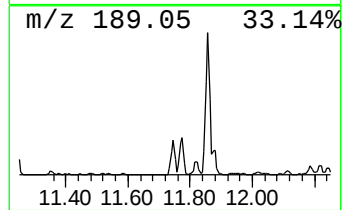
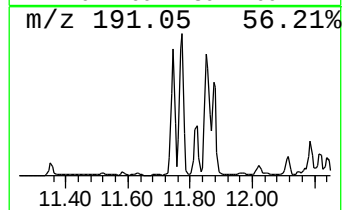
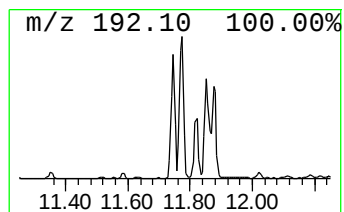
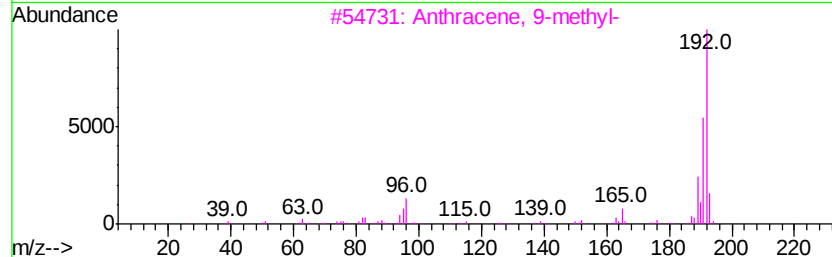
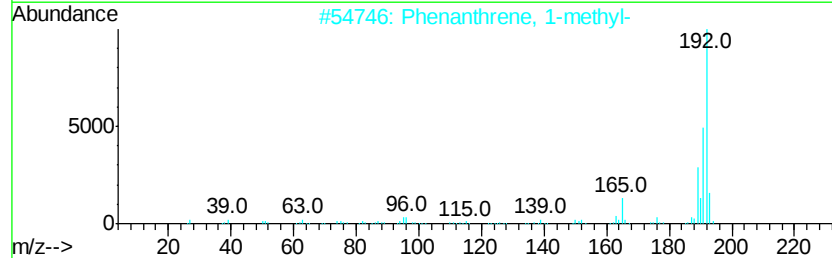
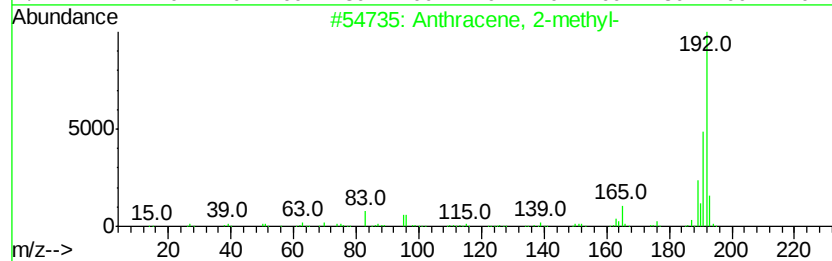
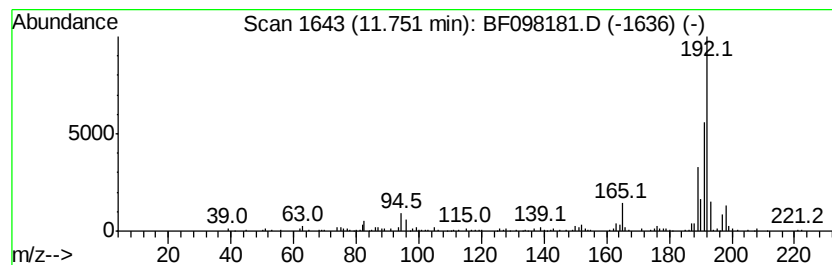
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	13.28 ng	449268	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
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ClientSampleId :
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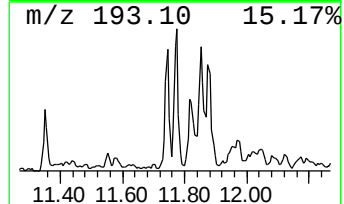
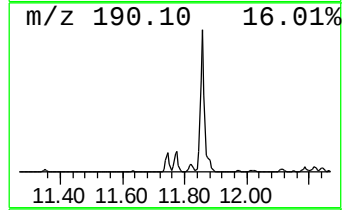
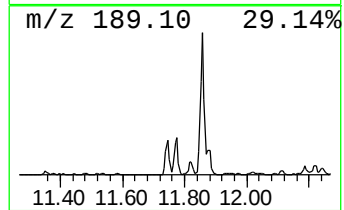
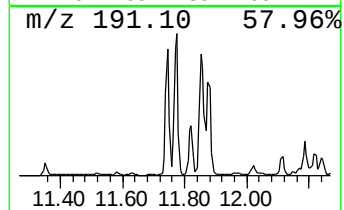
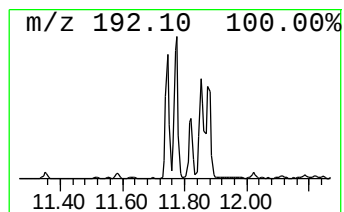
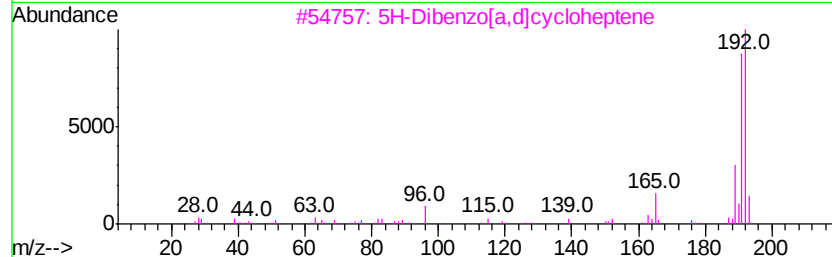
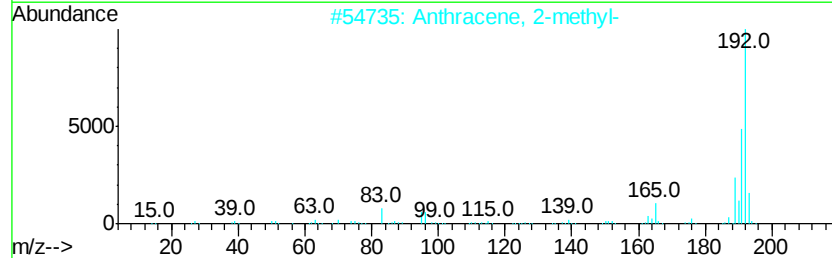
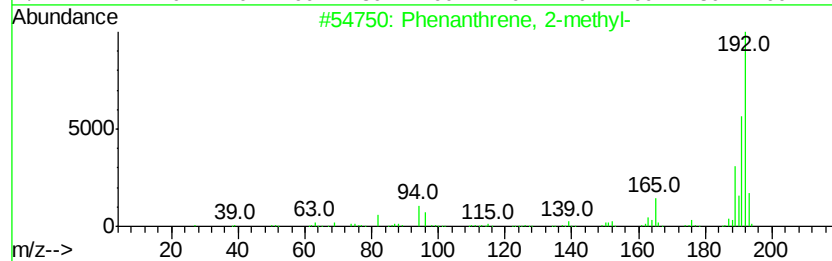
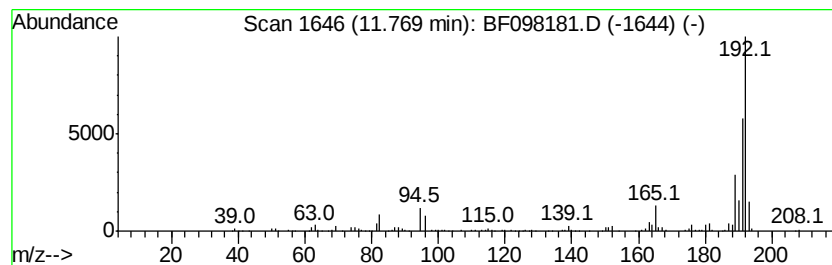
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	13.87 ng	469282	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
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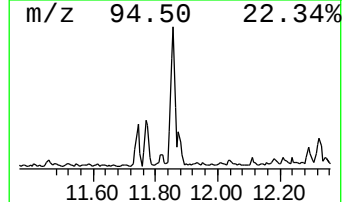
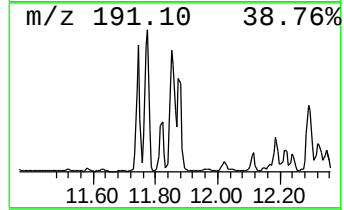
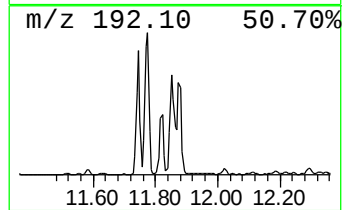
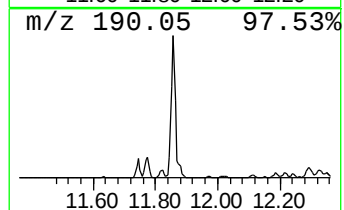
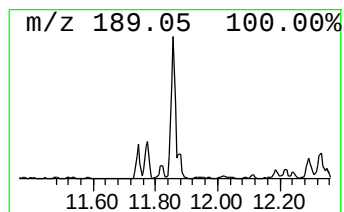
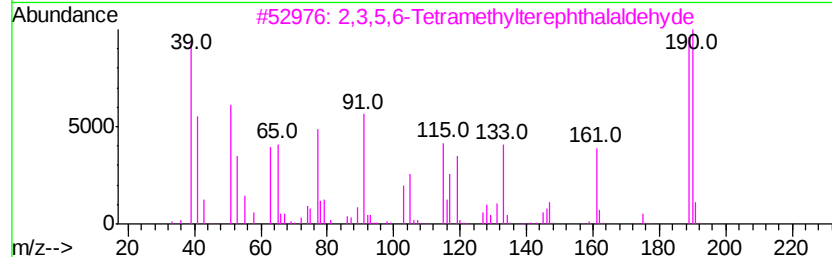
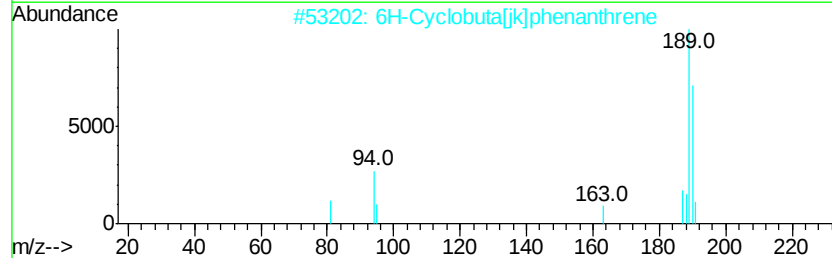
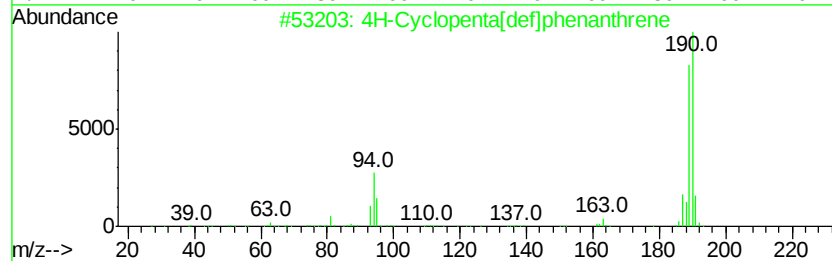
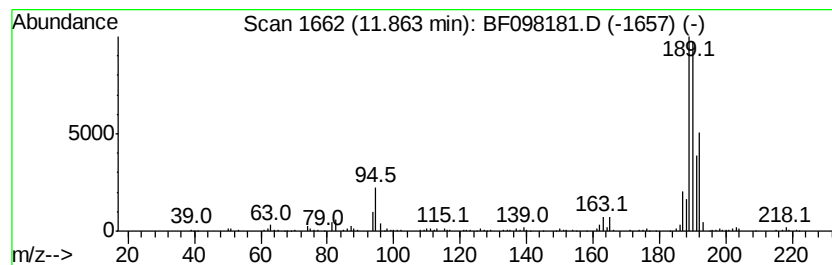
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ClientSampleId :
PL-01-082917-B

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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 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.86	24.14 ng	816479	Phenanthrene-d10	11.25		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	28
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
Operator : SJ/JU
Sample : I5023-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-B

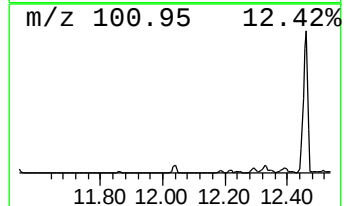
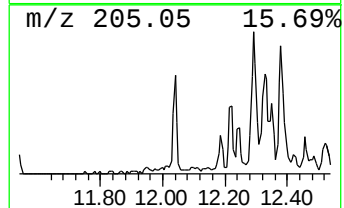
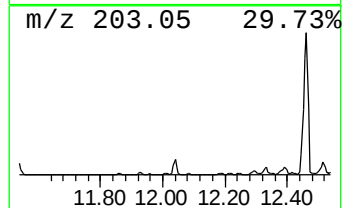
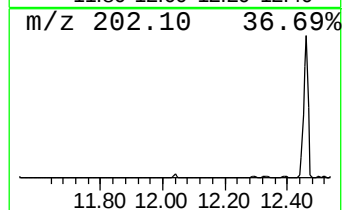
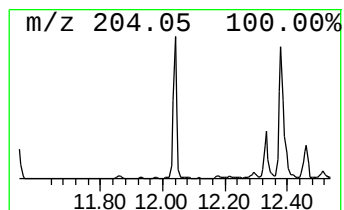
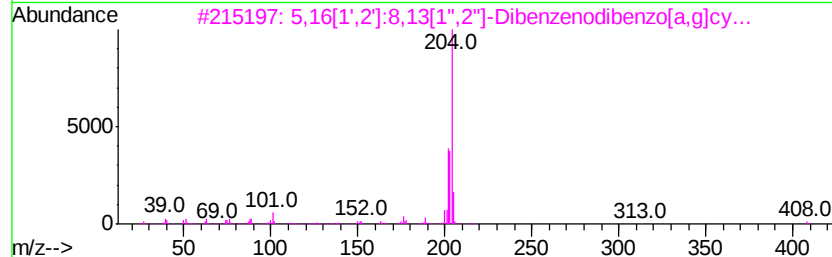
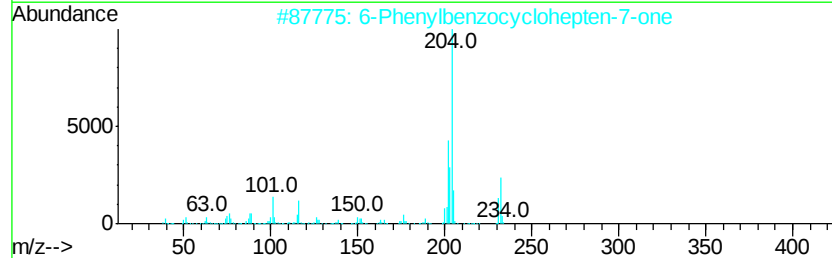
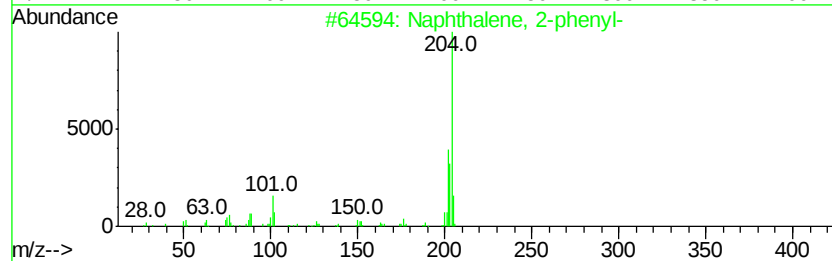
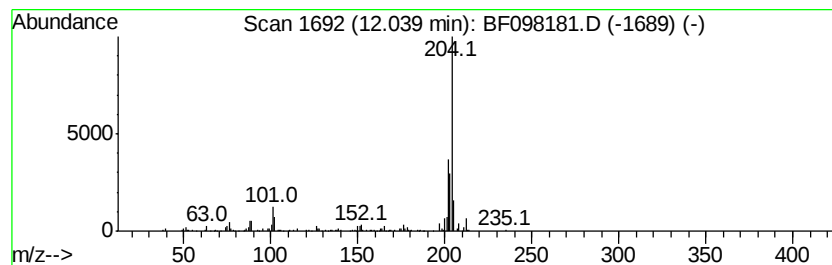
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	7.38 ng	249604	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098181.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-082917-B

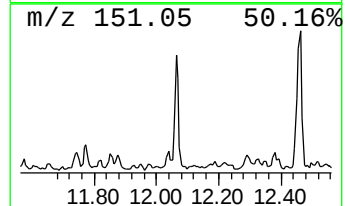
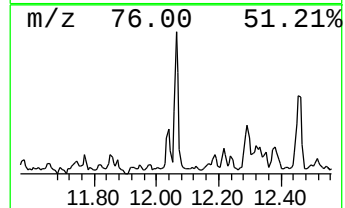
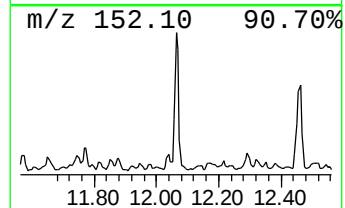
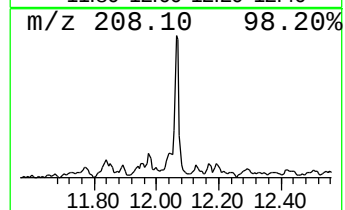
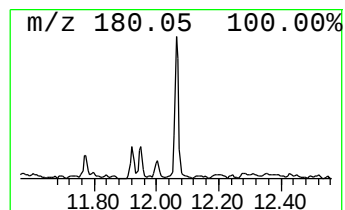
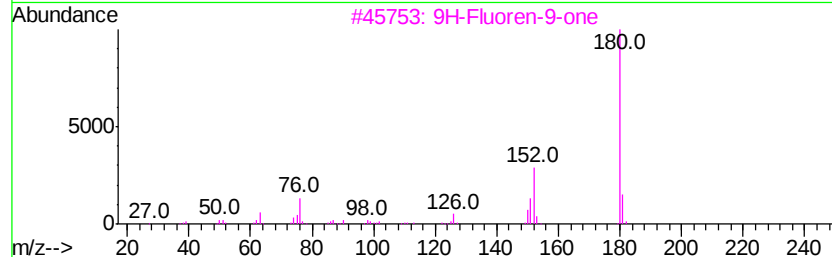
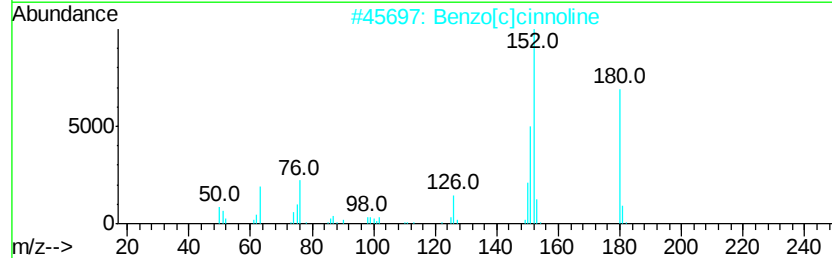
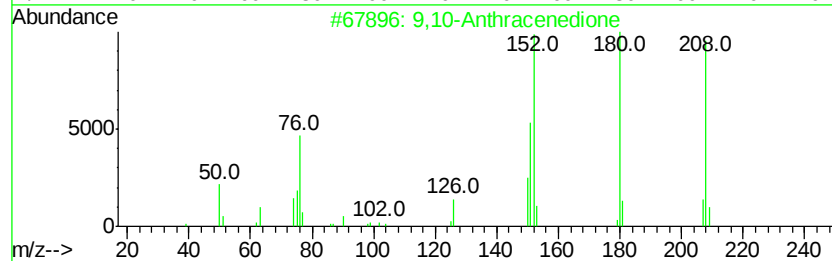
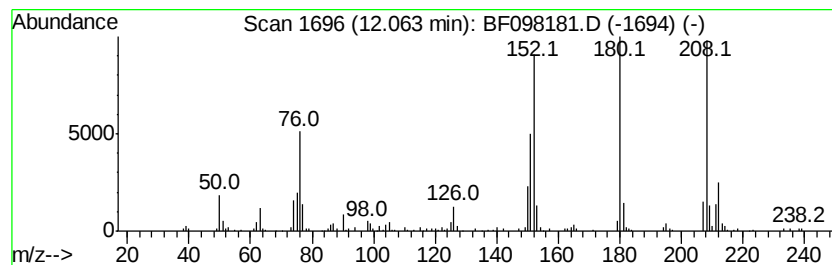
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	7.26 ng	245703	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	89
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	55
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
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Acq On : 31 Aug 2017 3:05
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Sample : I5023-04 2X
Misc :
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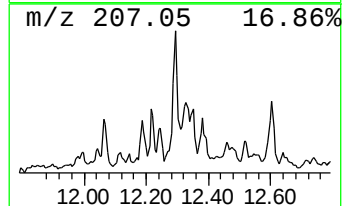
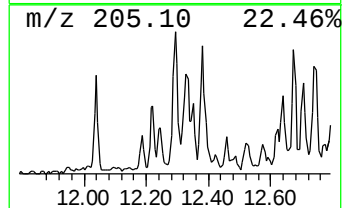
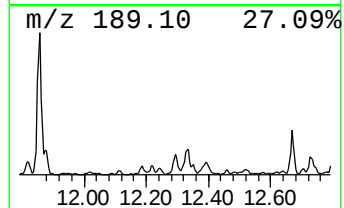
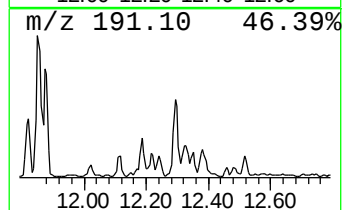
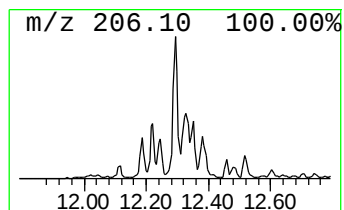
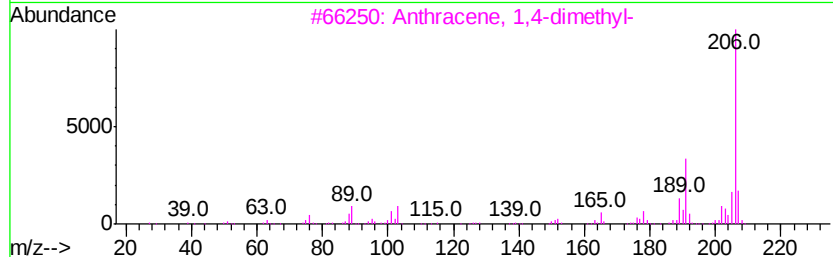
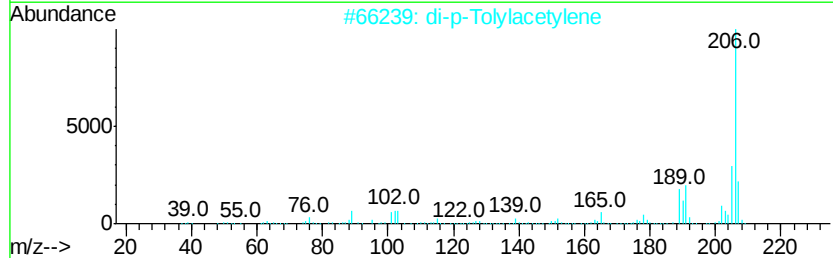
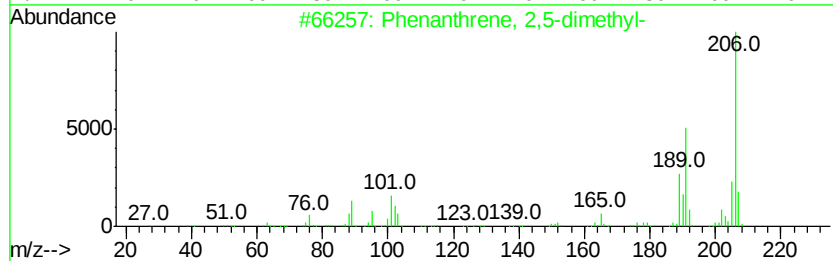
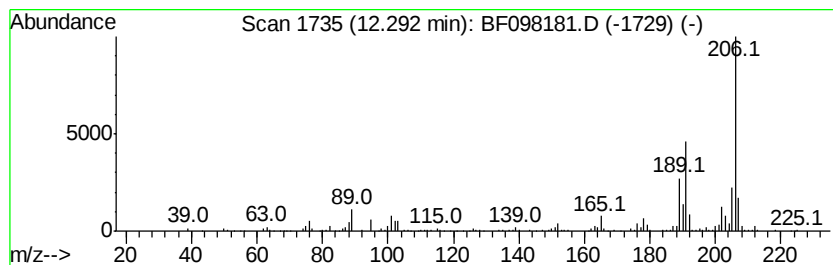
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ClientSampleId :
PL-01-082917-B

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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.	
12.29	12.74 ng	431015	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylvene	206	C16H14	002789-88-0	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
Acq On : 31 Aug 2017 3:05
Operator : SJ/JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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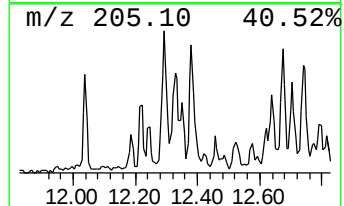
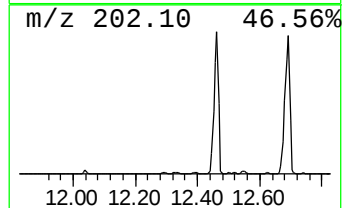
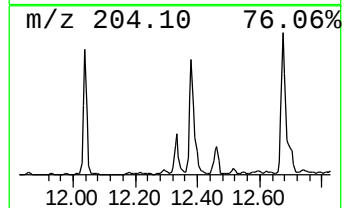
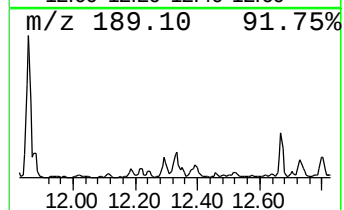
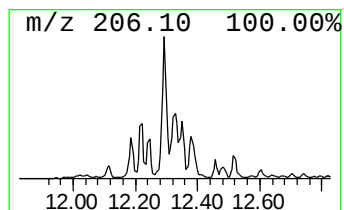
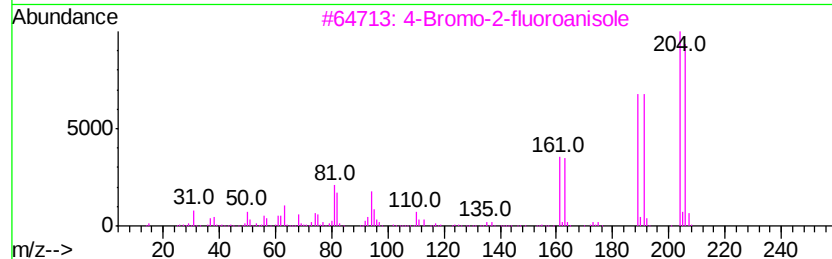
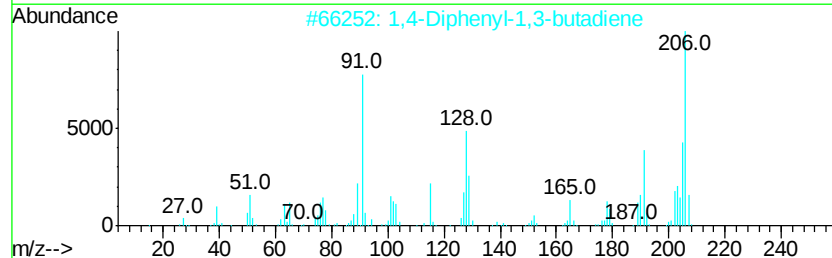
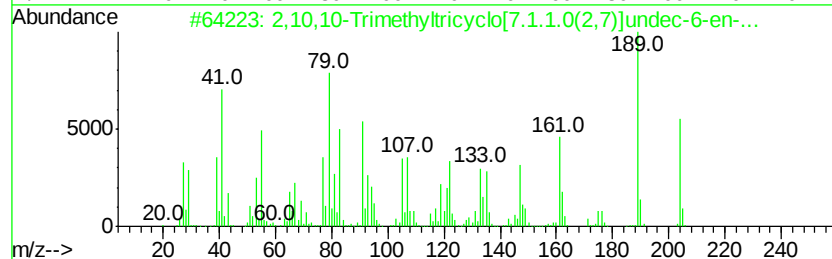
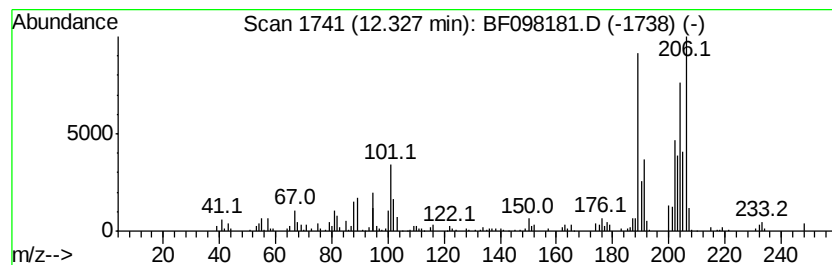
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.33 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	11.07 ng	374631	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,10,10-Trimethyltricyclo[7.1.1....	204	C14H200	1000210-81-9	35		
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30		
3	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	27		
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25		
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
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Operator : SJ/JU
Sample : I5023-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-082917-B

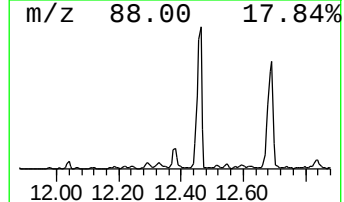
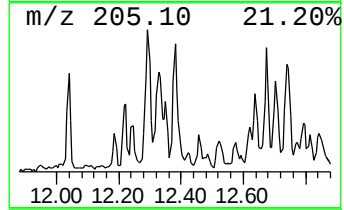
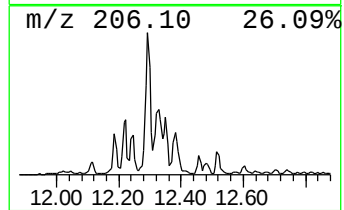
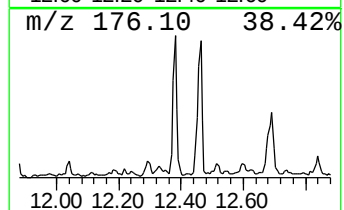
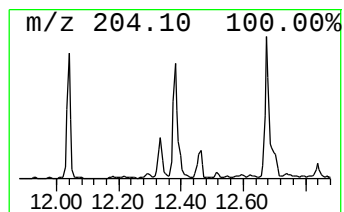
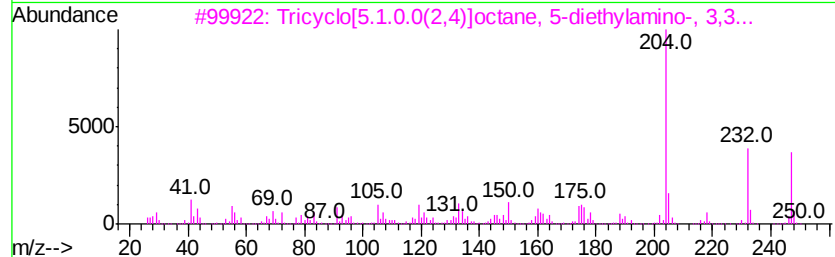
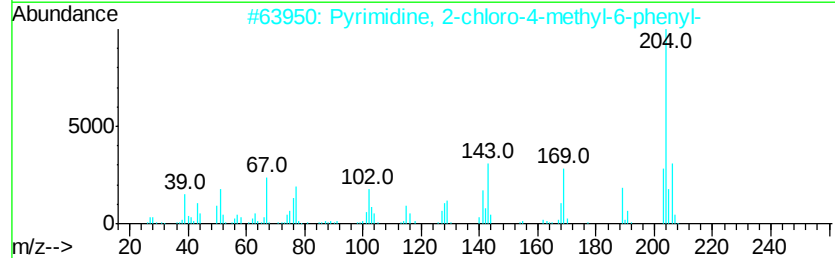
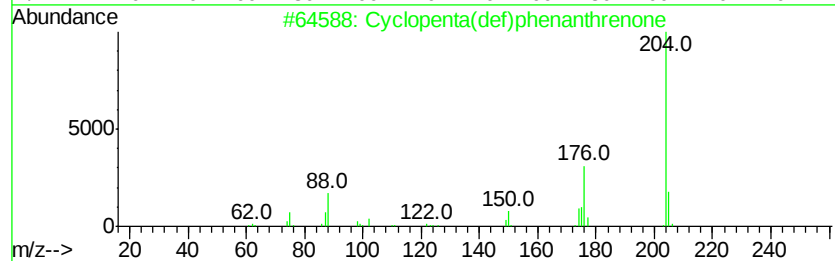
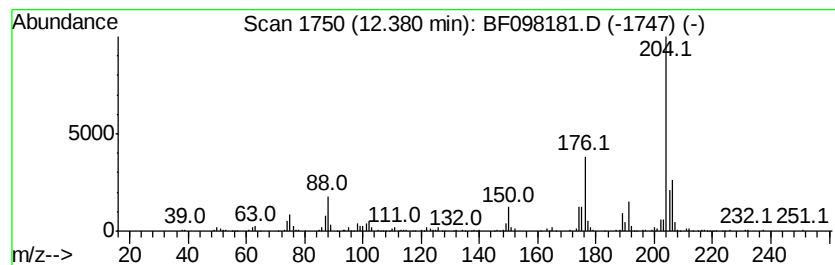
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	11.06 ng	374190	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098181.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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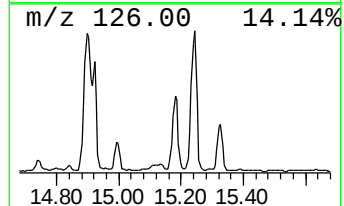
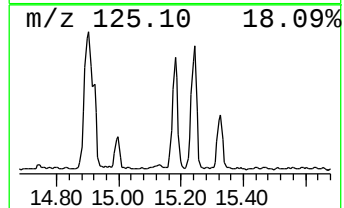
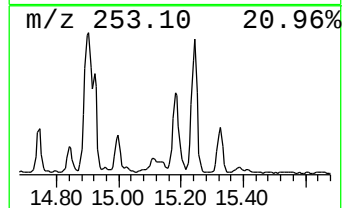
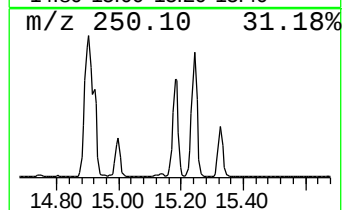
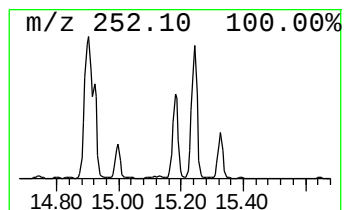
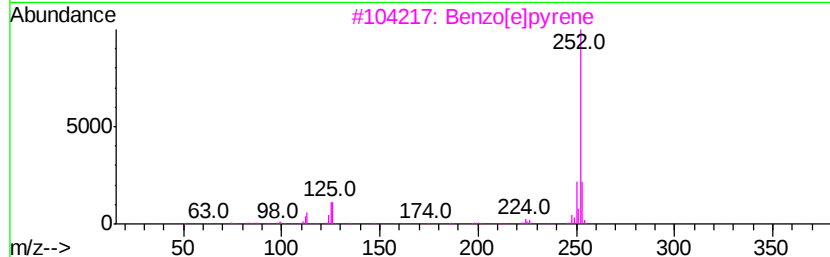
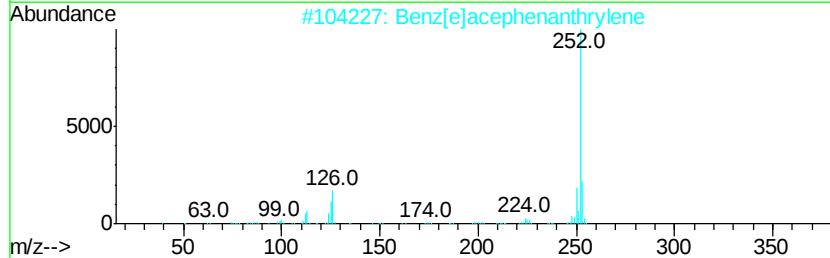
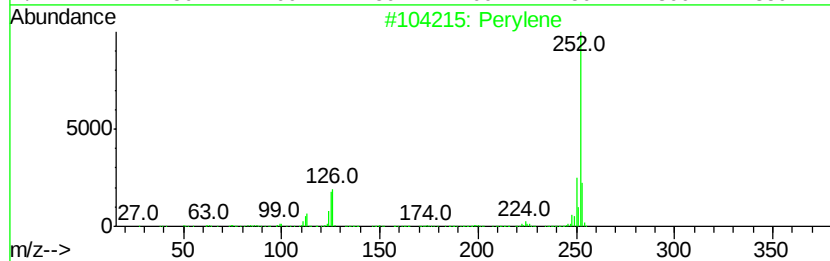
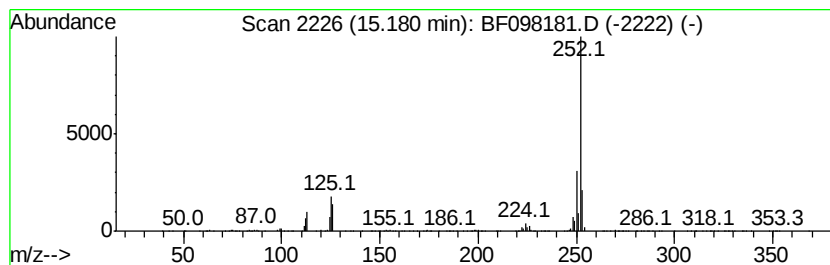
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	44.46 ng	1039340	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Benzo[e]pyrene	252	C20H12	000192-97-2	98
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
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 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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...	4.91	3.7	ng	136425	1	6.73	742273	20.0
unknown6.49	6.49	51.3	ng	1905150	1	6.73	742273	20.0
Naphthalene, 2,3-...	9.42	4.0	ng	165967	3	9.76	822057	20.0
Chamazulene	10.67	4.9	ng	165793	4	11.25	676576	20.0
9H-Fluorene, 3-me...	10.85	6.0	ng	202262	4	11.25	676576	20.0
Dibenzothiophene	11.14	5.5	ng	186227	4	11.25	676576	20.0
1-Methyldibenzoth...	11.57	4.2	ng	142990	4	11.25	676576	20.0
Anthracene, 2-met...	11.75	13.3	ng	449268	4	11.25	676576	20.0
Phenanthrene, 2-m...	11.77	13.9	ng	469282	4	11.25	676576	20.0
4H-Cyclopenta[def...	11.86	24.1	ng	816479	4	11.25	676576	20.0
Naphthalene, 2-ph...	12.04	7.4	ng	249604	4	11.25	676576	20.0
9,10-Anthracenedione	12.06	7.3	ng	245703	4	11.25	676576	20.0
Phenanthrene, 2,5...	12.29	12.7	ng	431015	4	11.25	676576	20.0
unknown12.33	12.33	11.1	ng	374631	4	11.25	676576	20.0
Cyclopenta(def)ph...	12.38	11.1	ng	374190	4	11.25	676576	20.0
Perylene	15.18	44.5	ng	1039340	6	15.30	467558	20.0