

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
 Data File : BF114144.D
 Acq On : 11 May 2019 1:52
 Operator : JU/SJ
 Sample : K2642-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-050919

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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	5.475	573	576	592	rVB	574171	579363	5.17%	0.458%
2	6.486	745	748	756	rVB	609161	592334	5.29%	0.468%
3	6.622	768	771	778	rBV	624319	581273	5.19%	0.460%
4	6.857	807	811	814	rBV	1869352	1621354	14.47%	1.282%
5	7.010	834	837	840	rBV	553255	455658	4.07%	0.360%
6	7.116	851	855	862	rBV	276183	294185	2.62%	0.233%
7	7.410	902	905	911	rVB	325851	305840	2.73%	0.242%
8	8.133	1024	1028	1030	rBV	2235000	2029285	18.11%	1.604%
9	8.157	1030	1032	1035	rVV	2675387	2002267	17.87%	1.583%
10	8.851	1146	1150	1153	rVB	1452831	1272053	11.35%	1.006%
11	8.945	1161	1166	1170	rBV	1242856	1085950	9.69%	0.859%
12	9.204	1207	1210	1214	rVB	694965	559166	4.99%	0.442%
13	9.310	1221	1228	1232	rBV	374073	375648	3.35%	0.297%
14	9.404	1242	1244	1250	rVB	226118	254853	2.27%	0.202%
15	9.474	1250	1256	1260	rBV2	442974	626890	5.59%	0.496%
16	9.545	1264	1268	1271	rVV	759366	763962	6.82%	0.604%
17	9.574	1271	1273	1276	rVV	495647	404468	3.61%	0.320%
18	9.663	1285	1288	1293	rVB	347884	376529	3.36%	0.298%
19	9.751	1297	1303	1307	rBV	511891	523609	4.67%	0.414%
20	9.886	1324	1326	1329	rVV	1953361	1817610	16.22%	1.437%
21	9.922	1329	1332	1335	rVV	3026935	2380914	21.24%	1.883%
22	10.092	1357	1361	1365	rVV	1719475	1421837	12.69%	1.124%
23	10.204	1376	1380	1383	rBV2	214968	227190	2.03%	0.180%
24	10.433	1416	1419	1425	rVB	2744388	2530782	22.58%	2.001%
25	10.504	1429	1431	1432	rVV	259258	217098	1.94%	0.172%
26	10.521	1432	1434	1436	rVV2	377427	308049	2.75%	0.244%
27	10.592	1444	1446	1449	rVB	409341	320907	2.86%	0.254%
28	10.674	1454	1460	1464	rBV2	686241	794542	7.09%	0.628%
29	10.798	1477	1481	1488	rVB2	224241	308145	2.75%	0.244%
30	10.980	1505	1512	1515	rBV2	482497	630381	5.62%	0.498%
31	11.010	1515	1517	1520	rVV2	306227	266387	2.38%	0.211%
32	11.068	1523	1527	1530	rVB	214070	223238	1.99%	0.177%
33	11.268	1558	1561	1567	rVB	1172431	1015736	9.06%	0.803%
34	11.374	1575	1579	1581	rBV	1971415	2092660	18.67%	1.655%

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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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.404	1581	1584	1587	rVV	9653850	9721454	86.74%	7.686%
36	11.451	1589	1592	1595	rVV	3677335	2886222	25.75%	2.282%
37	11.480	1595	1597	1600	rVB2	366946	323169	2.88%	0.256%
38	11.604	1612	1618	1621	rBV	1461930	1573265	14.04%	1.244%
39	11.668	1625	1629	1631	rVV2	396046	372865	3.33%	0.295%
40	11.704	1632	1635	1640	rVV2	458434	451076	4.02%	0.357%
41	11.763	1640	1645	1647	rVV	827173	708590	6.32%	0.560%
42	11.786	1647	1649	1653	rVB	287087	292406	2.61%	0.231%
43	11.874	1658	1664	1666	rVV	1627512	1460209	13.03%	1.155%
44	11.904	1666	1669	1673	rVB	2209411	1822552	16.26%	1.441%
45	11.951	1673	1677	1680	rBV	767892	680501	6.07%	0.538%
46	11.986	1680	1683	1686	rVV	2744546	3112188	27.77%	2.461%
47	12.010	1686	1687	1691	rVB	1136686	620865	5.54%	0.491%
48	12.168	1711	1714	1716	rVV	1270087	1031683	9.21%	0.816%
49	12.192	1716	1718	1725	rVB2	626689	695917	6.21%	0.550%
50	12.321	1738	1740	1742	rVV	260080	215025	1.92%	0.170%
51	12.351	1742	1745	1747	rVV	382245	312813	2.79%	0.247%
52	12.374	1747	1749	1751	rVB2	330504	243589	2.17%	0.193%
53	12.427	1753	1758	1759	rBV	836171	879261	7.85%	0.695%
54	12.451	1759	1762	1764	rVV	3371597	3186987	28.44%	2.520%
55	12.468	1764	1765	1770	rVV3	2581388	2256374	20.13%	1.784%
56	12.510	1770	1772	1777	rVB2	409070	551282	4.92%	0.436%
57	12.557	1777	1780	1782	rBV2	413992	329429	2.94%	0.260%
58	12.598	1782	1787	1790	rBV	9182482	10015043	89.36%	7.919%
59	12.651	1794	1796	1799	rVB2	310030	264610	2.36%	0.209%
60	12.739	1804	1811	1815	rBV2	583670	812419	7.25%	0.642%
61	12.821	1818	1825	1830	rBV2	7831833	11207436	100.00%	8.861%
62	12.862	1830	1832	1837	rVB2	456574	568594	5.07%	0.450%
63	12.933	1841	1844	1846	rBV	580825	602006	5.37%	0.476%
64	12.951	1846	1847	1849	rVV	699866	539552	4.81%	0.427%
65	12.974	1849	1851	1855	rVB	629924	564110	5.03%	0.446%
66	13.033	1856	1861	1864	rBV2	686258	1106717	9.87%	0.875%
67	13.062	1864	1866	1868	rVB	365236	273889	2.44%	0.217%
68	13.121	1872	1876	1877	rVV3	510402	583310	5.20%	0.461%
69	13.145	1877	1880	1883	rVB	2054765	1832036	16.35%	1.449%
70	13.186	1883	1887	1888	rBV3	170223	237653	2.12%	0.188%
71	13.210	1888	1891	1894	rVV	1907384	1584516	14.14%	1.253%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	13.251	1894	1898	1900	rVV2	971148	1110173	9.91%	0.878%
73	13.268	1900	1901	1905	rVB	376248	367770	3.28%	0.291%
74	13.339	1910	1913	1916	rBV	602983	506125	4.52%	0.400%
75	13.368	1916	1918	1922	rBV	689236	621340	5.54%	0.491%
76	13.627	1959	1962	1964	rBV	261216	341853	3.05%	0.270%
77	13.651	1964	1966	1970	rVB2	347395	441622	3.94%	0.349%
78	13.762	1981	1985	1987	rBV	830040	846575	7.55%	0.669%
79	13.786	1987	1989	1992	rVV	672192	691833	6.17%	0.547%
80	13.815	1992	1994	1998	rVV2	630851	845417	7.54%	0.668%
81	13.857	1999	2001	2005	rVB	398176	390509	3.48%	0.309%
82	13.927	2011	2013	2020	rVB	170240	221890	1.98%	0.175%
83	14.009	2020	2027	2030	rBV3	4438943	6358911	56.74%	5.028%
84	14.045	2030	2033	2040	rVB	3560174	3489999	31.14%	2.759%
85	14.121	2044	2046	2050	rVB	902533	716079	6.39%	0.566%
86	14.204	2058	2060	2062	rVB	322972	251558	2.24%	0.199%
87	14.239	2062	2066	2069	rBV2	421282	505407	4.51%	0.400%
88	14.404	2090	2094	2097	rVV	679788	742489	6.62%	0.587%
89	14.439	2098	2100	2103	rVB	351716	285973	2.55%	0.226%
90	14.504	2109	2111	2113	rVB	311362	231800	2.07%	0.183%
91	14.533	2114	2116	2118	rVV	468638	388423	3.47%	0.307%
92	14.557	2118	2120	2123	rVB	540456	444882	3.97%	0.352%
93	15.068	2202	2207	2209	rBV	2248316	3249606	29.00%	2.569%
94	15.168	2221	2224	2228	rVB	488684	522921	4.67%	0.413%
95	15.368	2254	2258	2264	rVB	1336062	1856478	16.56%	1.468%
96	15.433	2264	2269	2274	rBV	2146998	2709898	24.18%	2.143%
97	15.492	2275	2279	2281	rVV	1068306	1334415	11.91%	1.055%
98	15.521	2281	2284	2290	rVB	701322	965659	8.62%	0.764%
99	16.962	2523	2529	2537	rVB2	804129	1625650	14.51%	1.285%
100	17.403	2599	2604	2613	rVB	601468	1230313	10.98%	0.973%

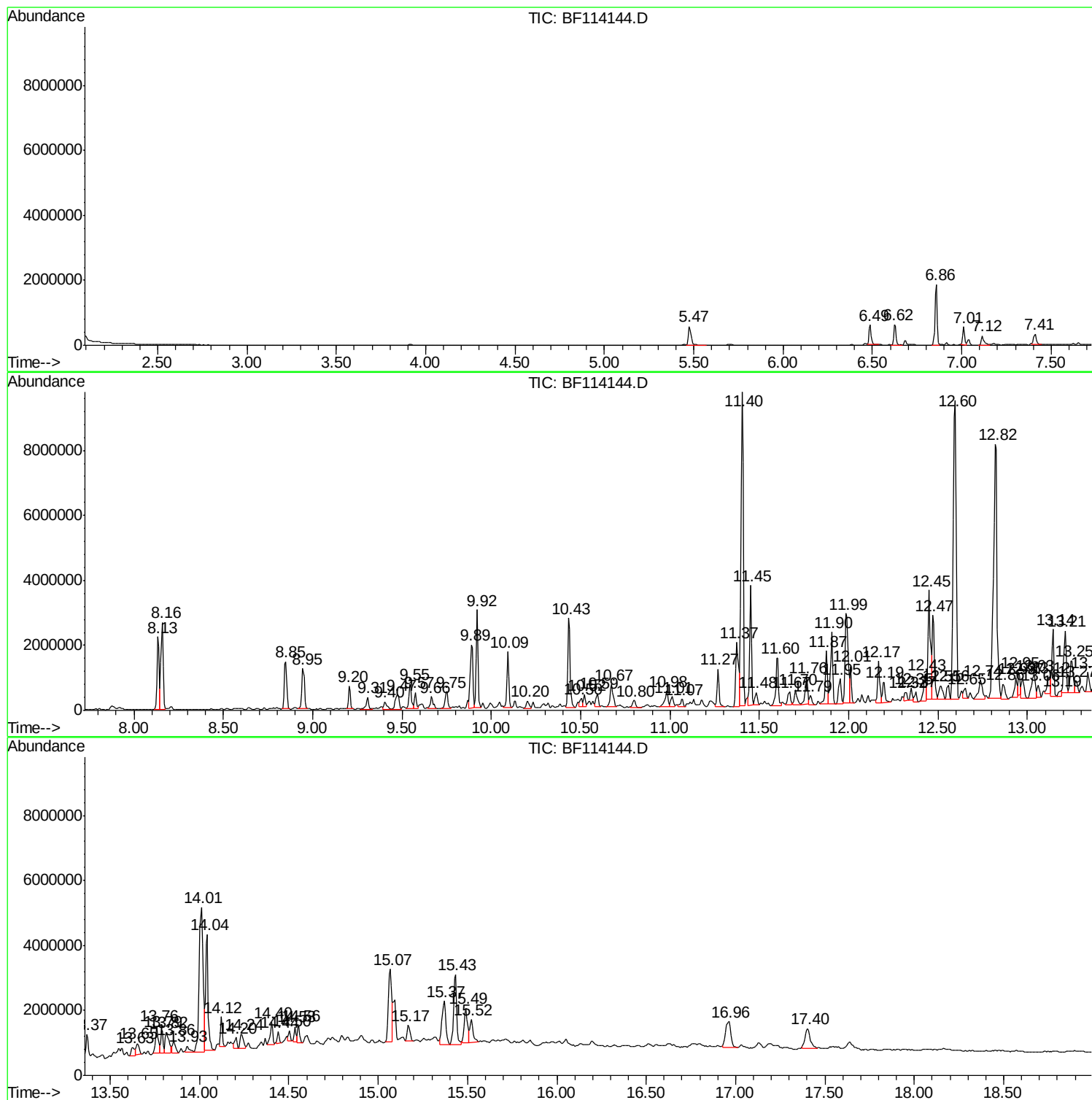
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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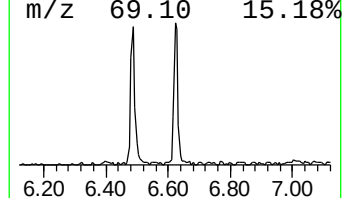
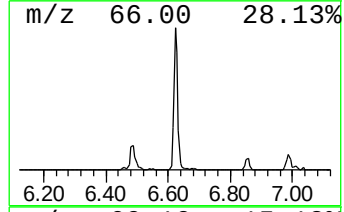
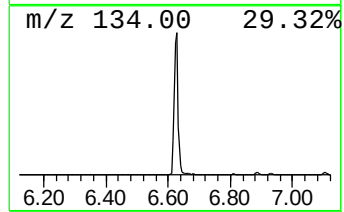
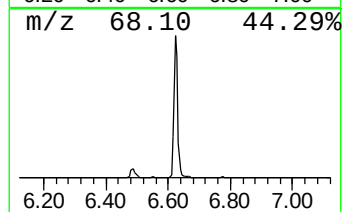
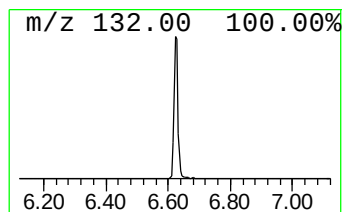
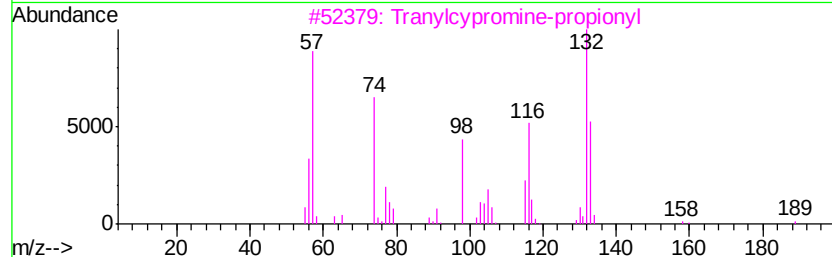
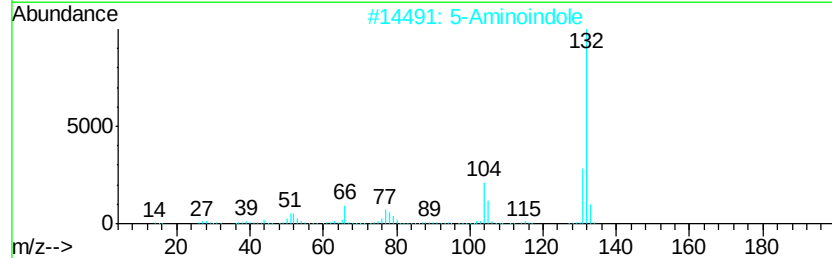
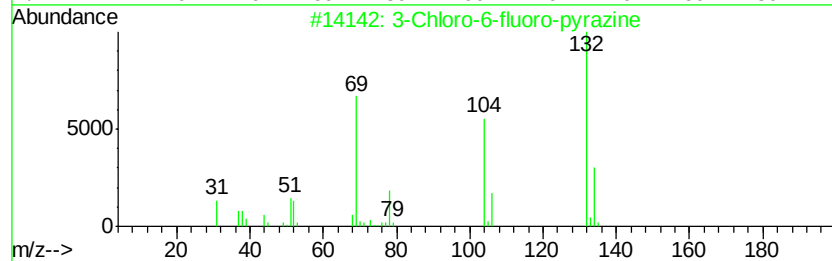
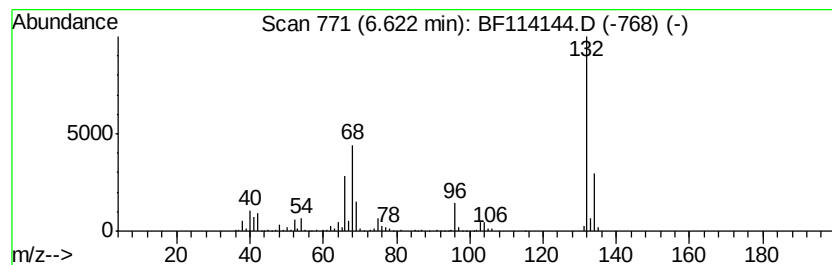
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	7.17 ng	581273	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27		
2	5-Aminoindole	132	C8H8N2	005192-03-0	12		
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10		
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9		
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9		



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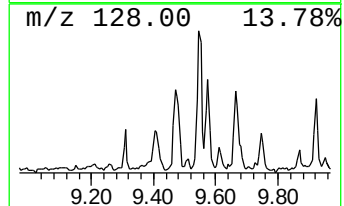
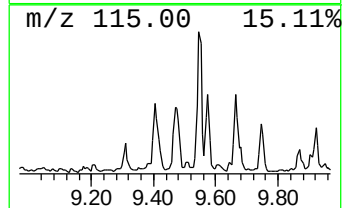
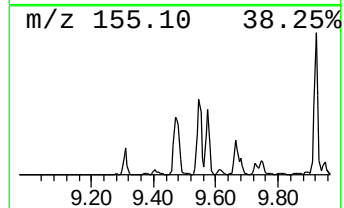
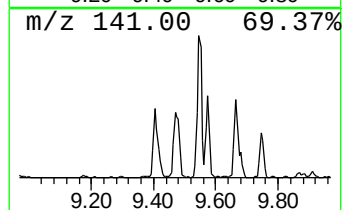
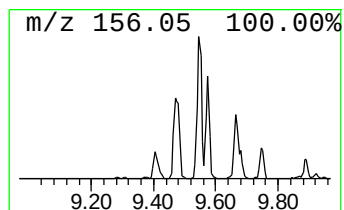
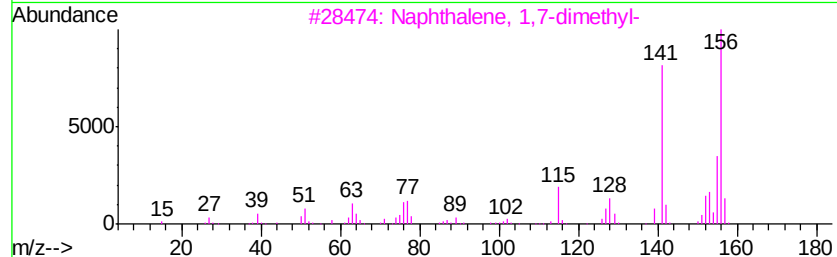
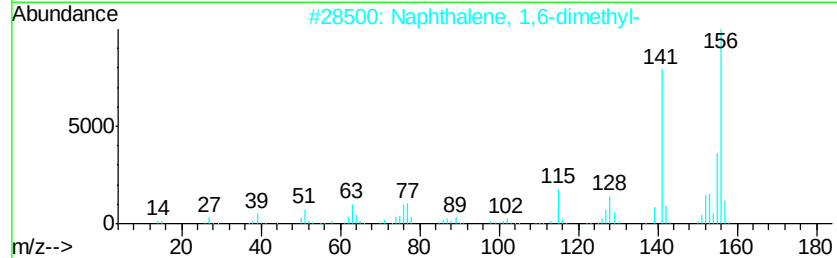
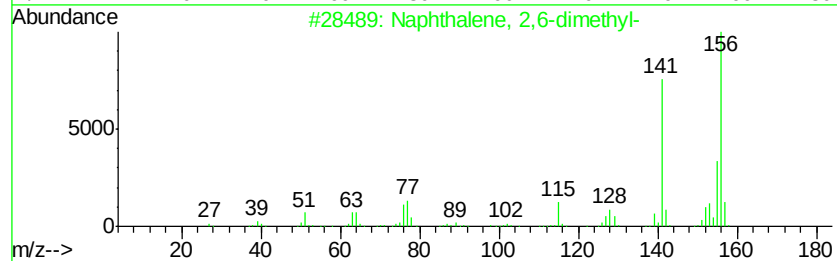
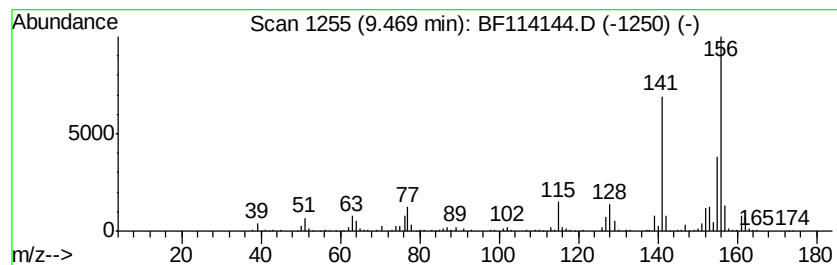
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	6.90 ng	626890	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 98
4		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
5		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96



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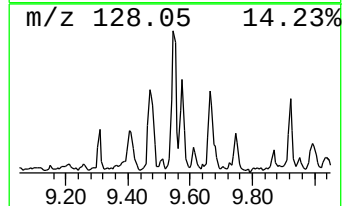
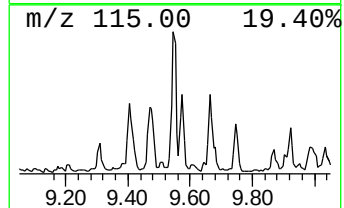
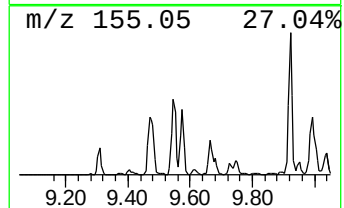
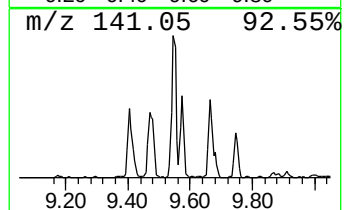
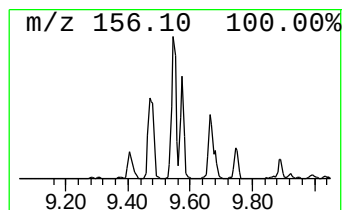
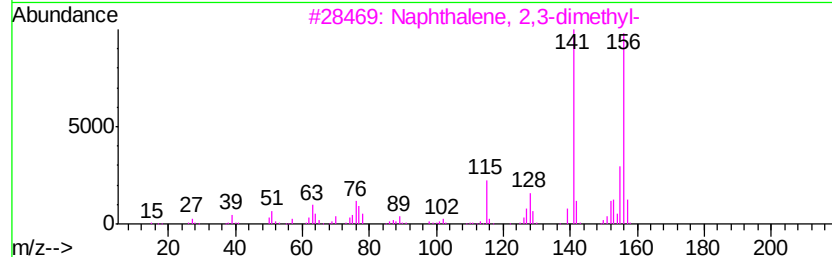
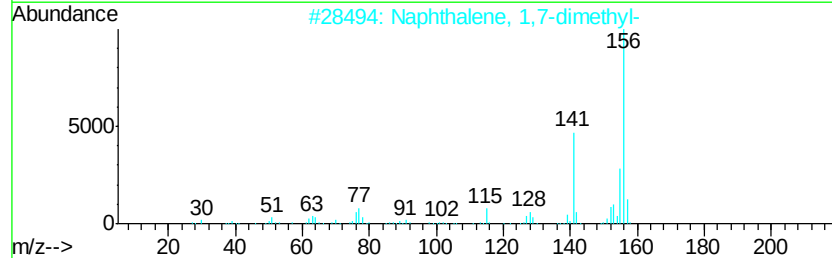
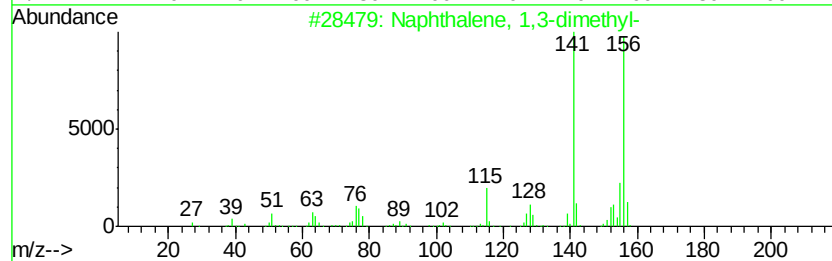
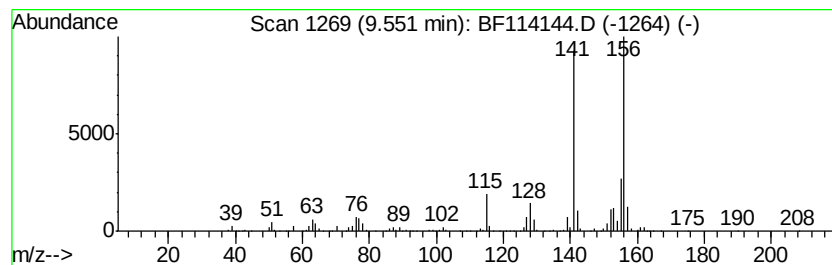
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	8.41 ng	763962	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Operator : JU/SJ
Sample : K2642-03 10X
Misc :
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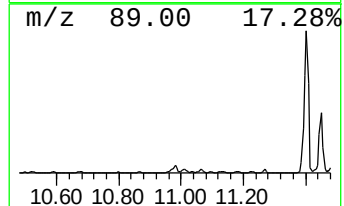
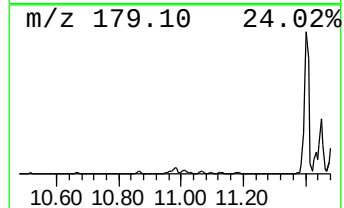
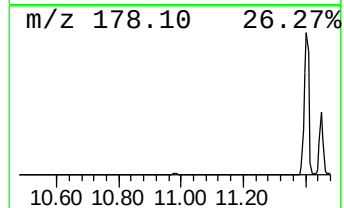
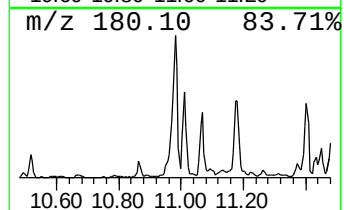
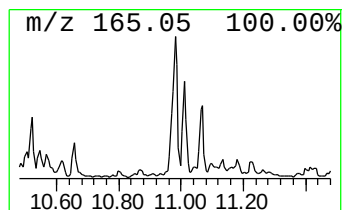
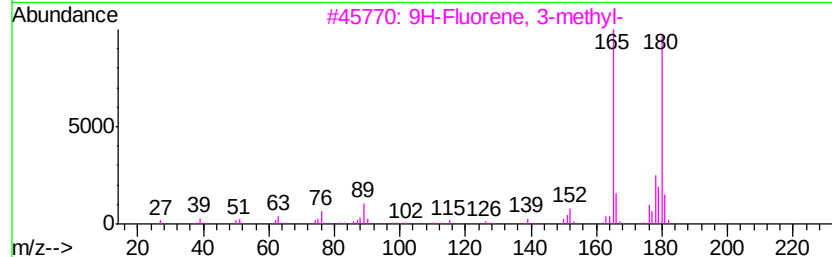
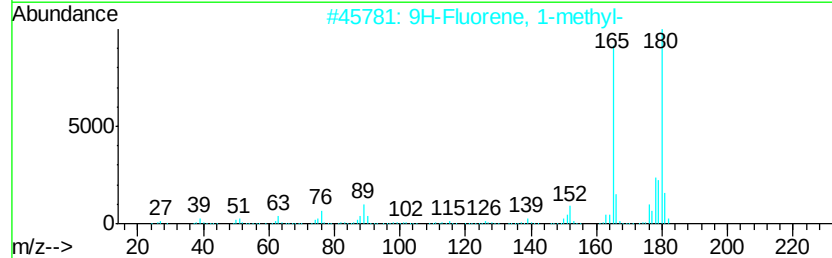
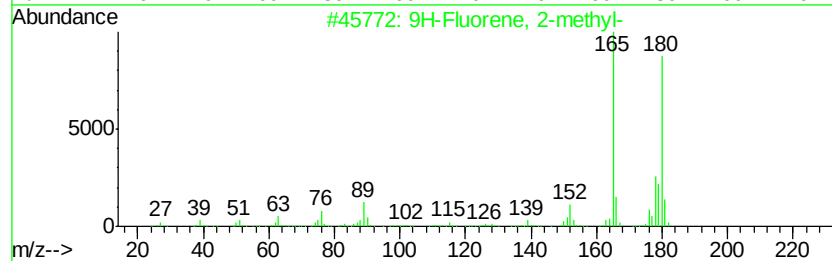
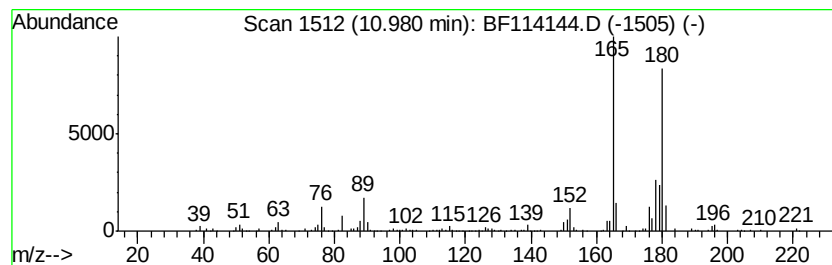
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.98	6.02 ng	630381	Phenanthrene-d10		11.37	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	93
5	Ethylene, 1,1-diphenyl-		180	C14H12	000530-48-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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ClientSampleId :
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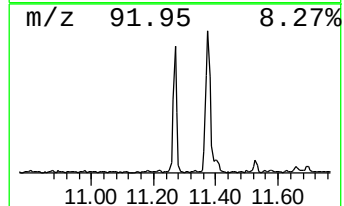
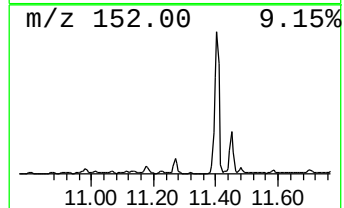
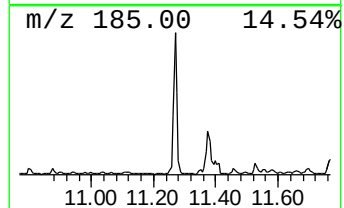
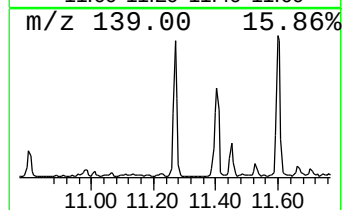
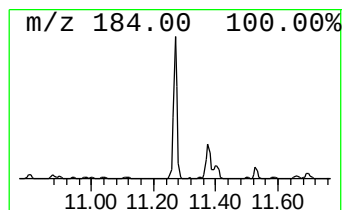
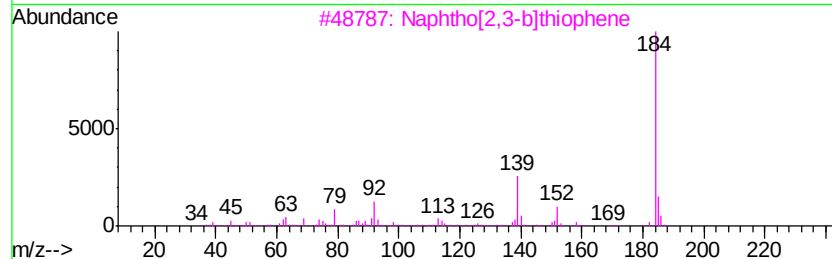
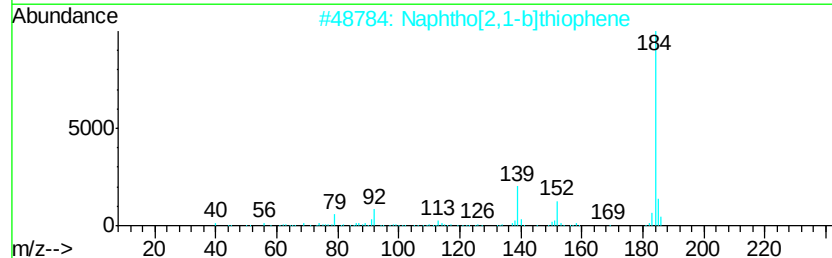
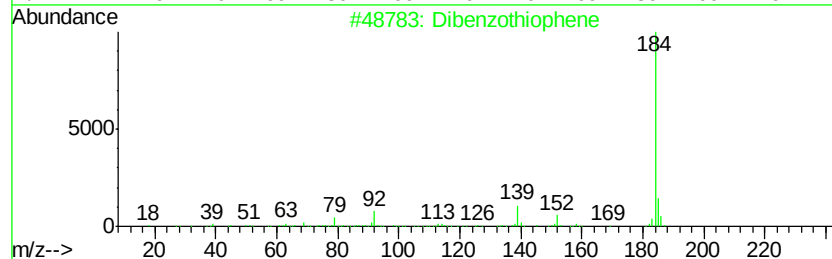
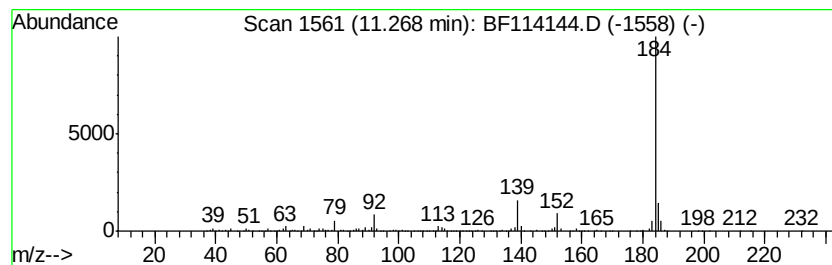
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	9.71 ng	1015740	Phenanthrene-d10	11.37

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	96
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Sample : K2642-03 10X
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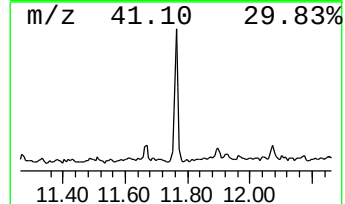
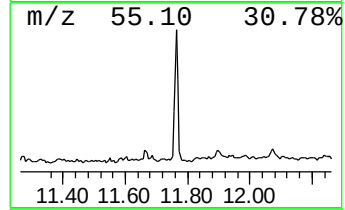
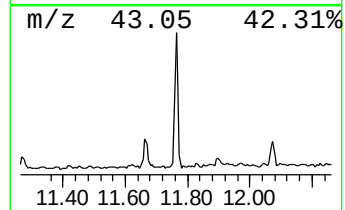
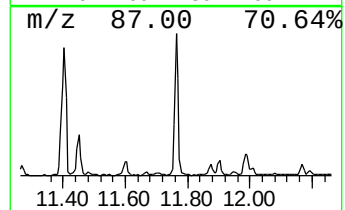
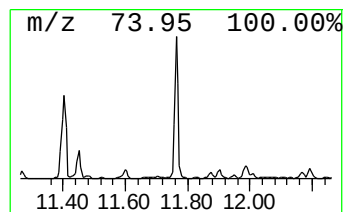
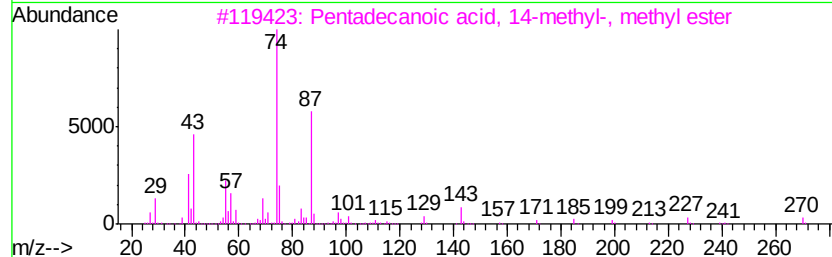
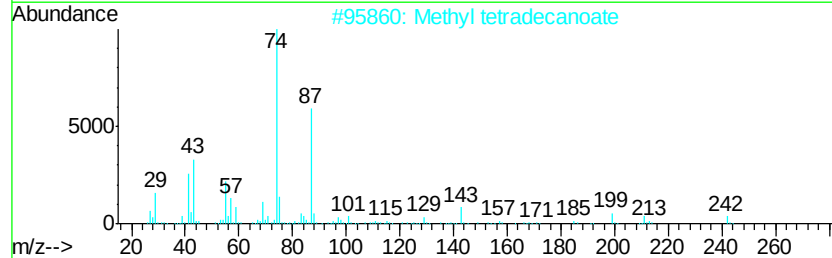
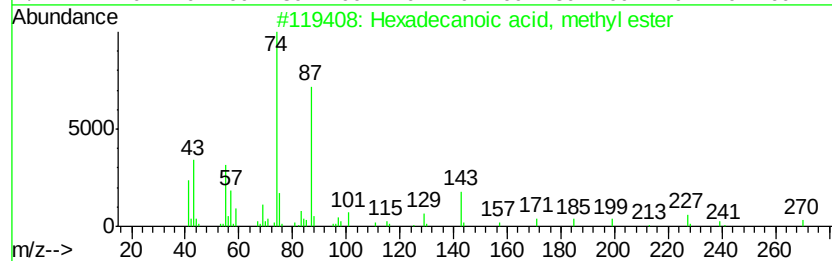
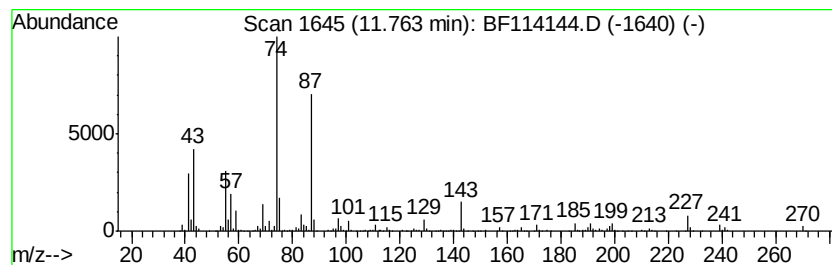
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.76	6.77 ng	708590	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	94
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
4	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	91
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114144.D
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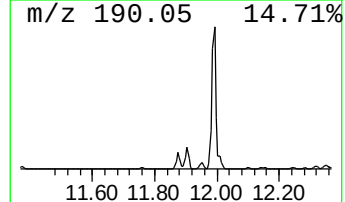
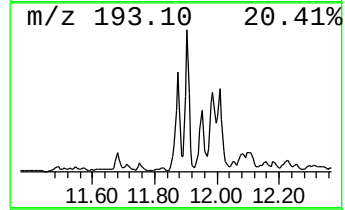
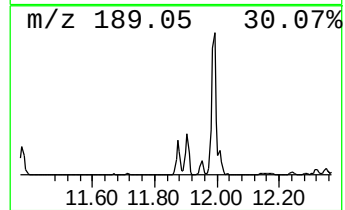
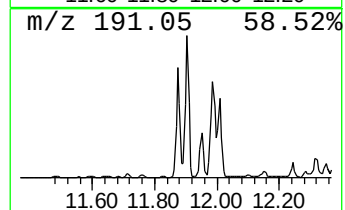
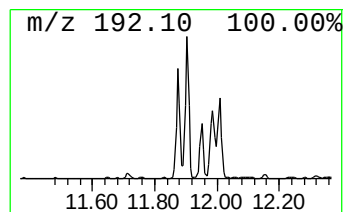
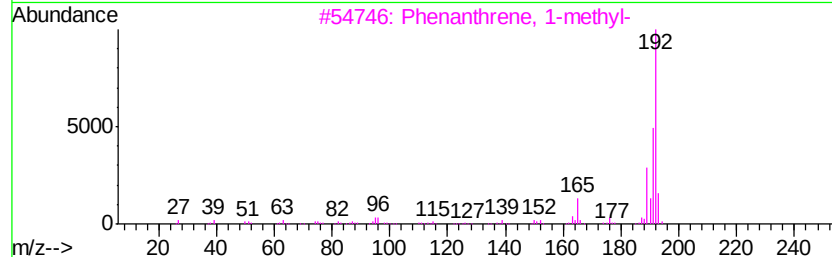
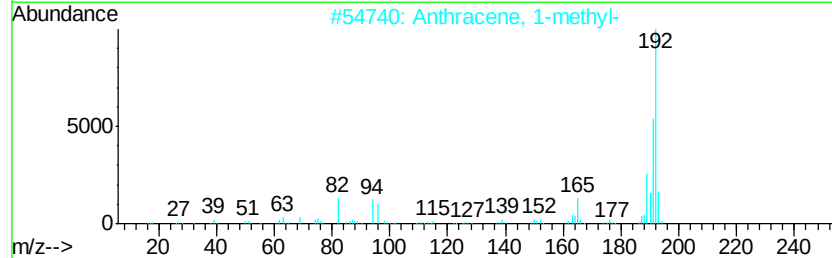
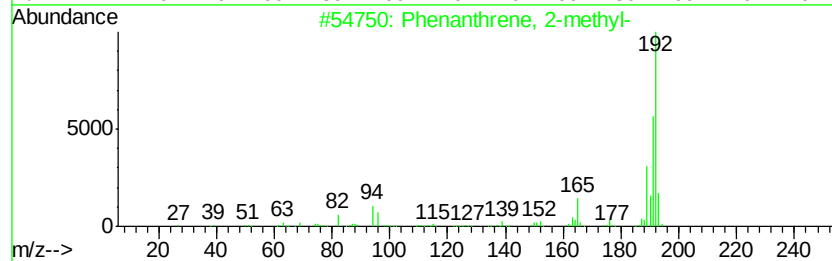
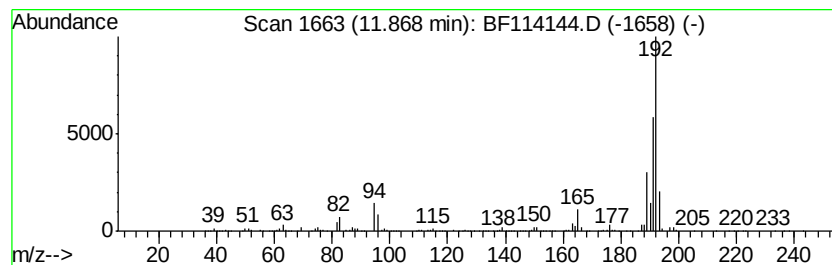
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	13.96 ng	1460210	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



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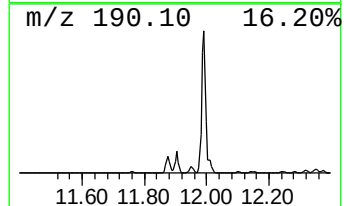
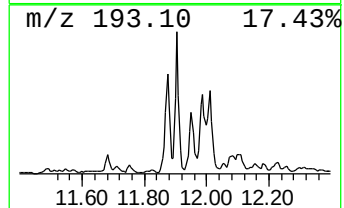
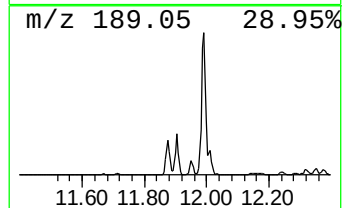
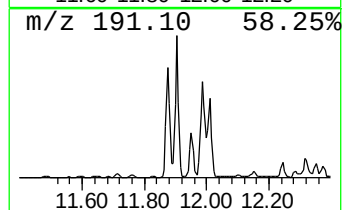
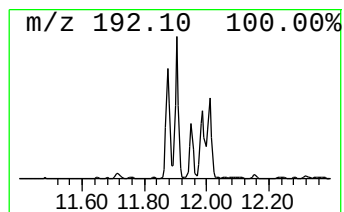
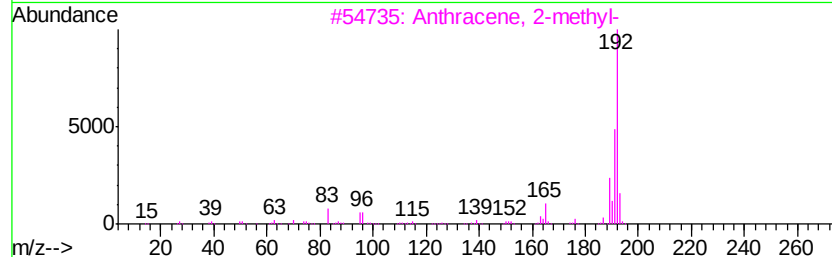
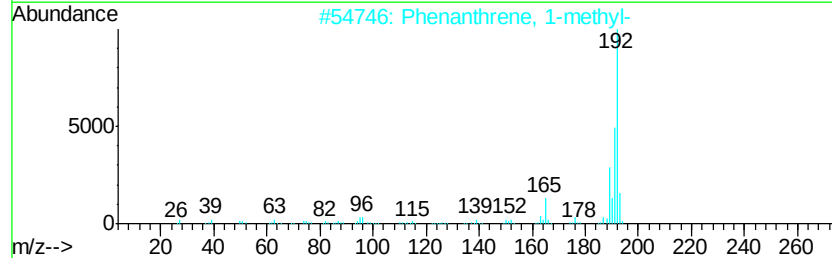
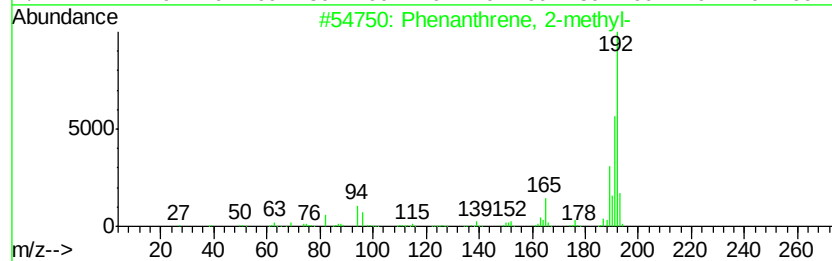
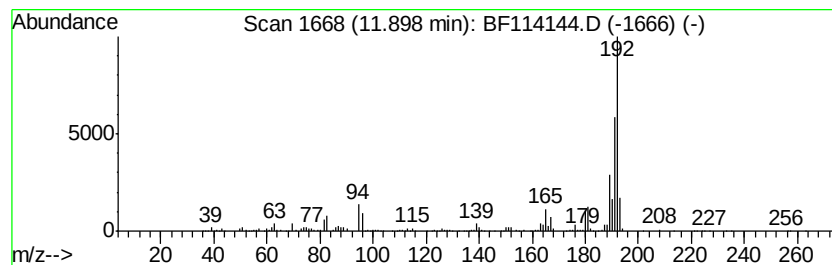
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	17.42 ng	1822550	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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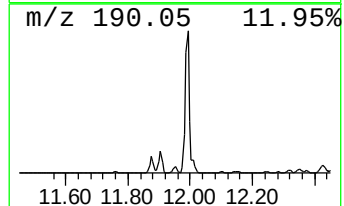
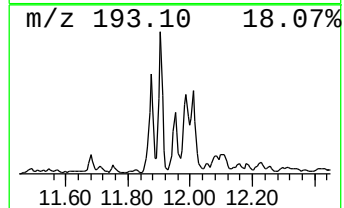
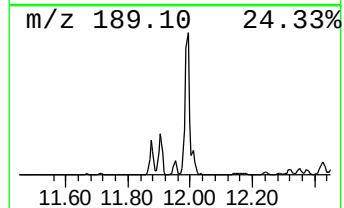
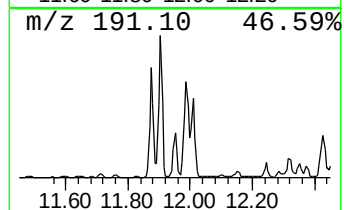
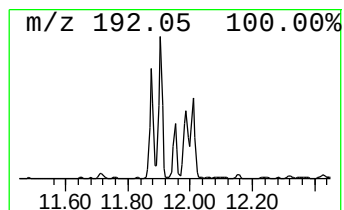
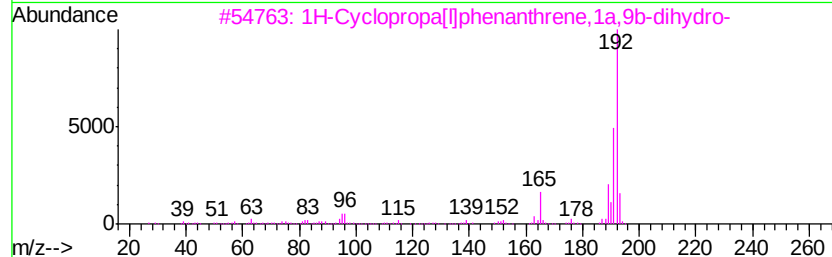
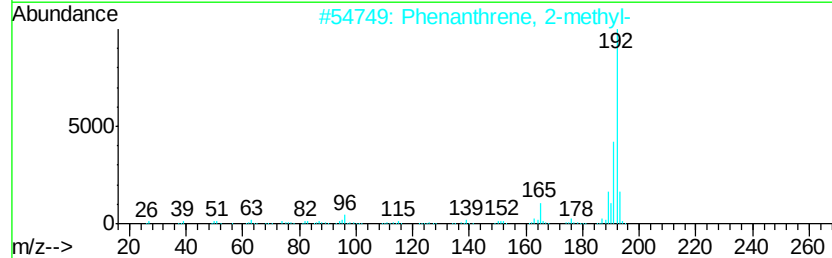
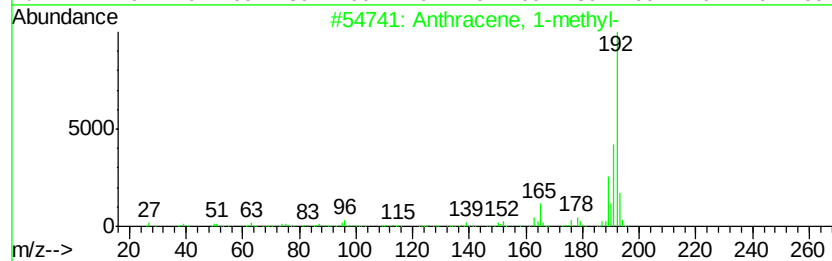
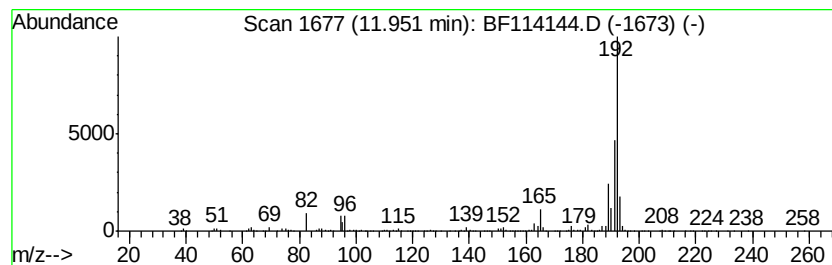
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	6.50 ng	680501	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114144.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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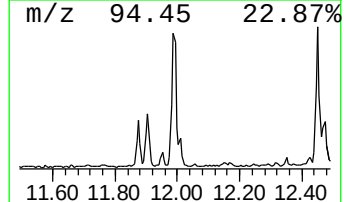
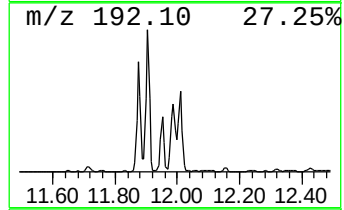
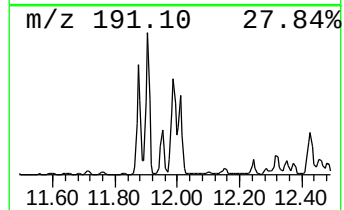
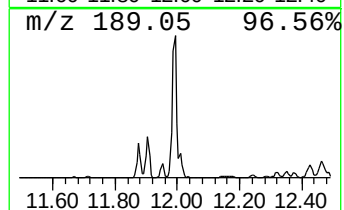
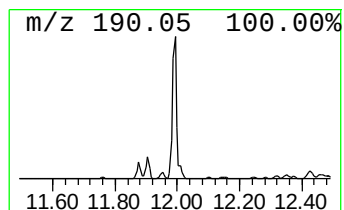
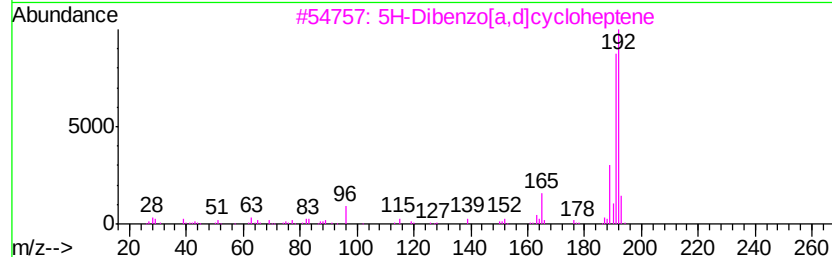
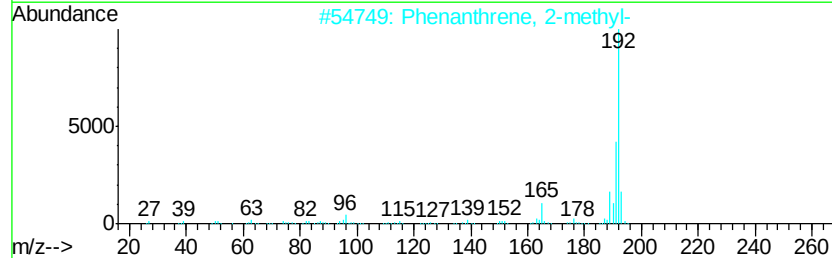
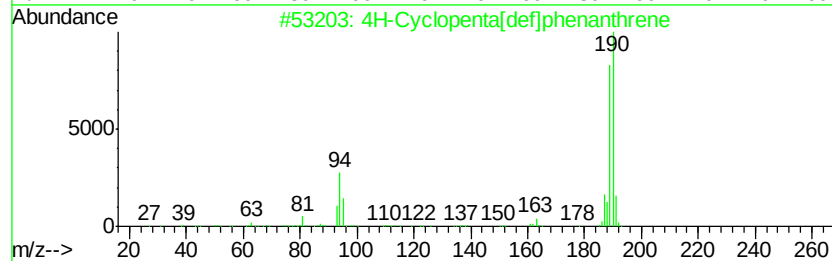
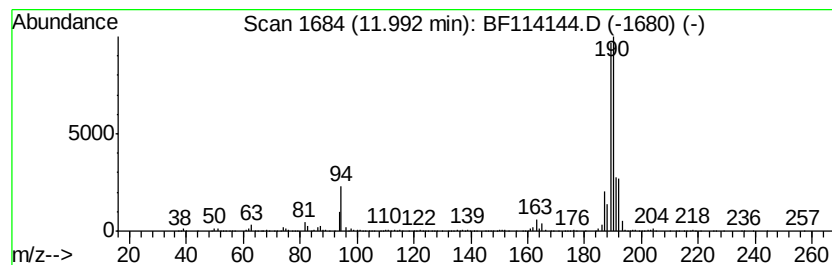
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	29.74 ng	3112190	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	15
5		2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	11



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114144.D
Acq On : 11 May 2019 1:52
Operator : JU/SJ
Sample : K2642-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

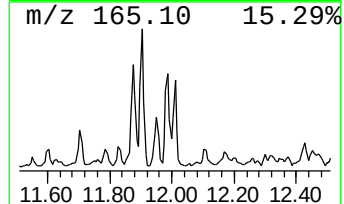
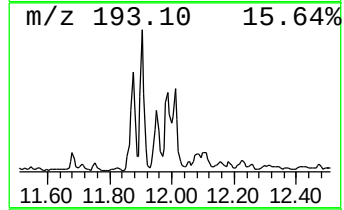
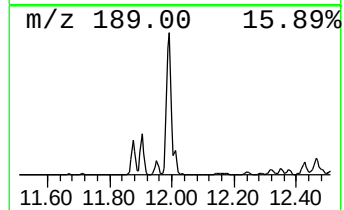
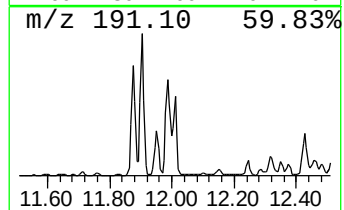
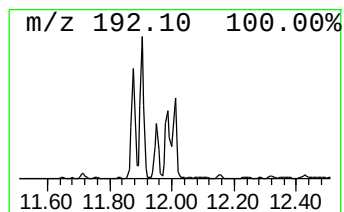
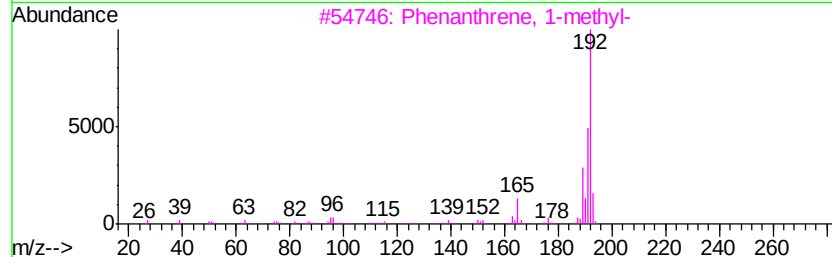
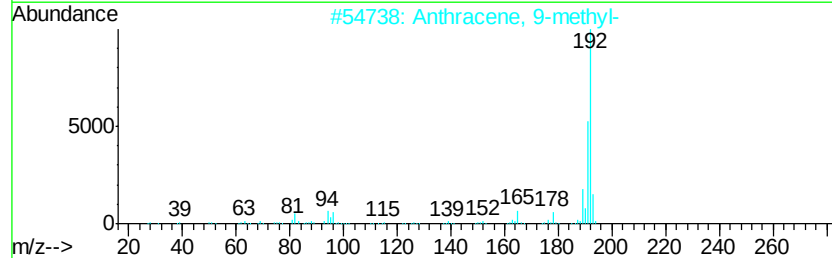
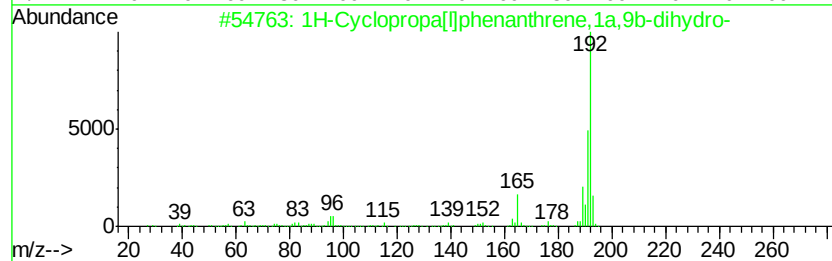
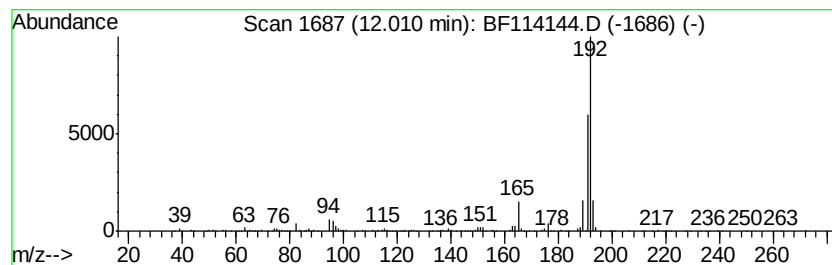
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.93 ng	620865	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
 Data File : BF114144.D
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 ClientSampleId :
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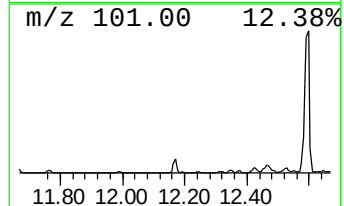
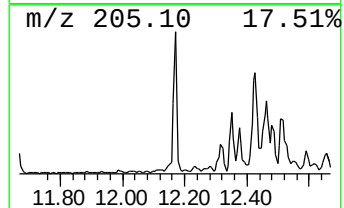
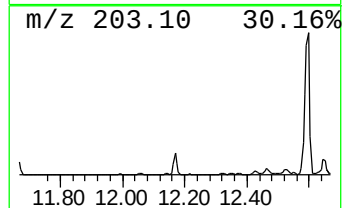
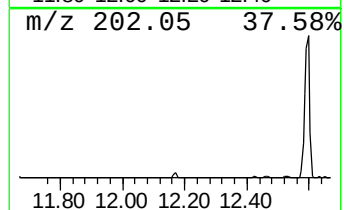
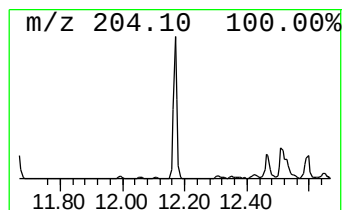
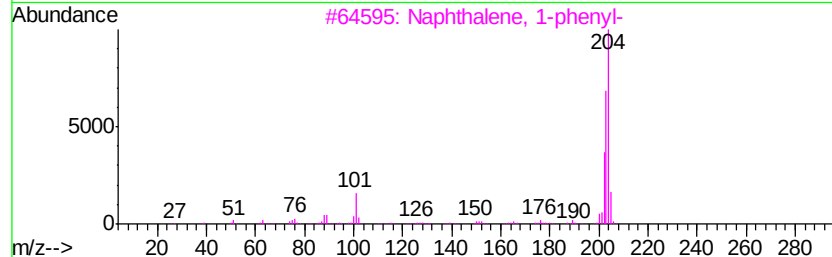
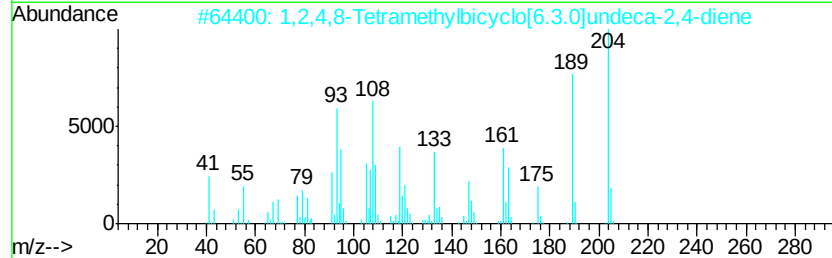
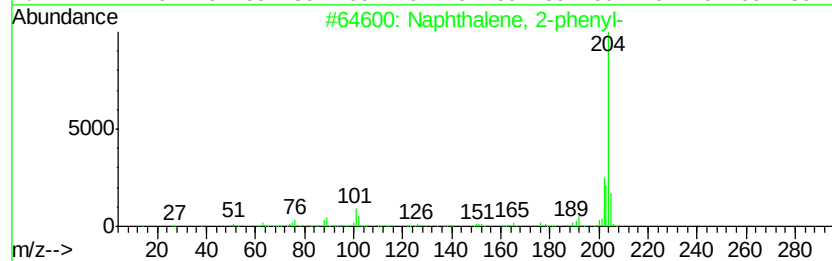
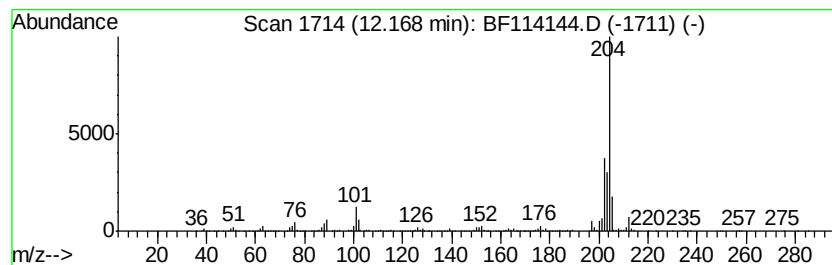
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	9.86 ng	1031680	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	90
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Acq On : 11 May 2019 1:52
Operator : JU/SJ
Sample : K2642-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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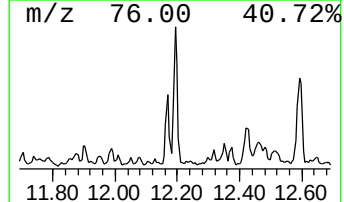
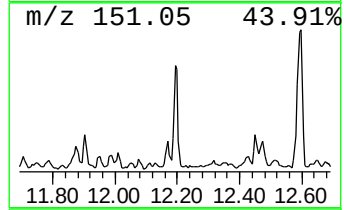
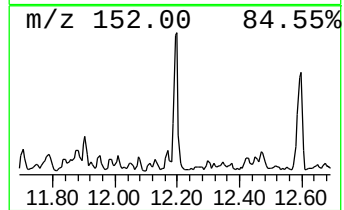
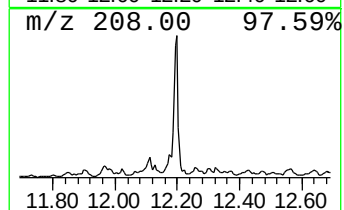
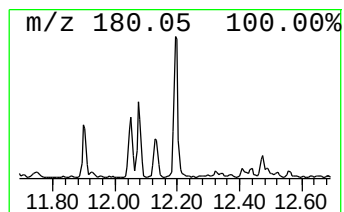
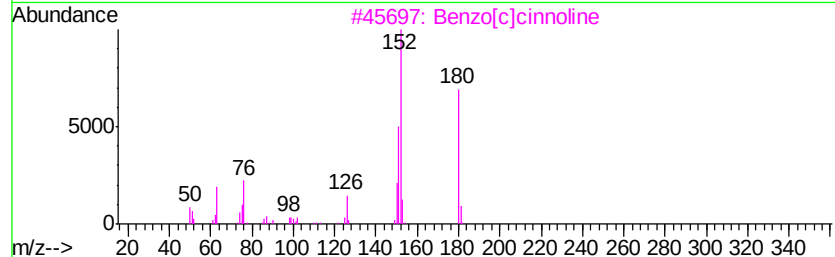
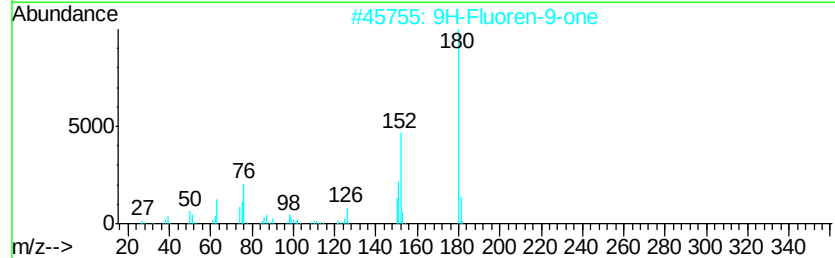
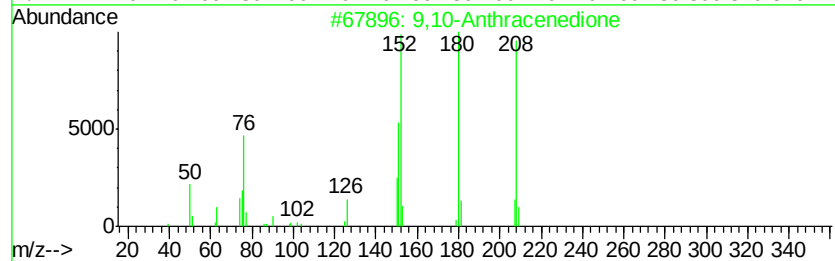
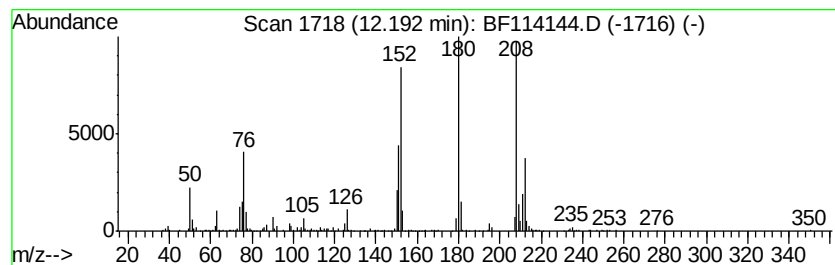
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	6.65 ng	695917	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
4		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	46
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114144.D
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Misc :
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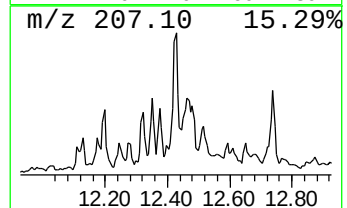
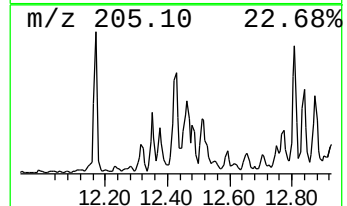
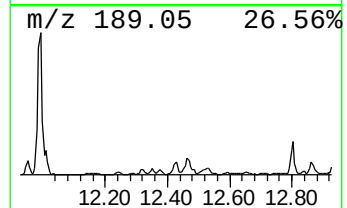
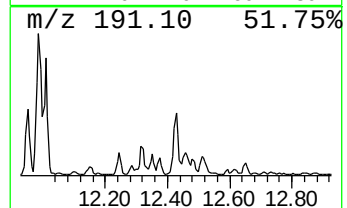
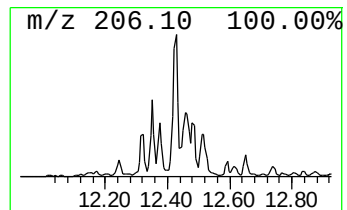
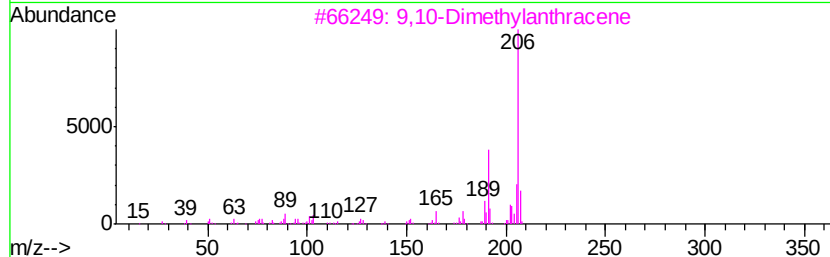
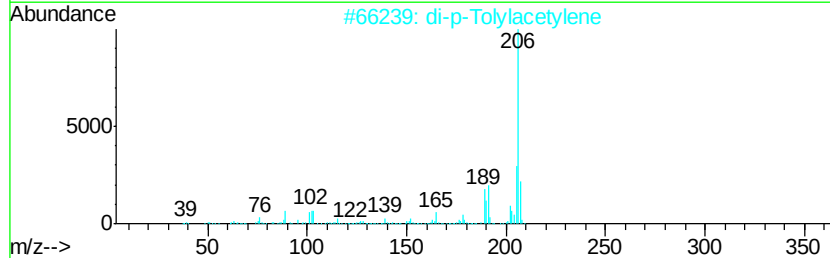
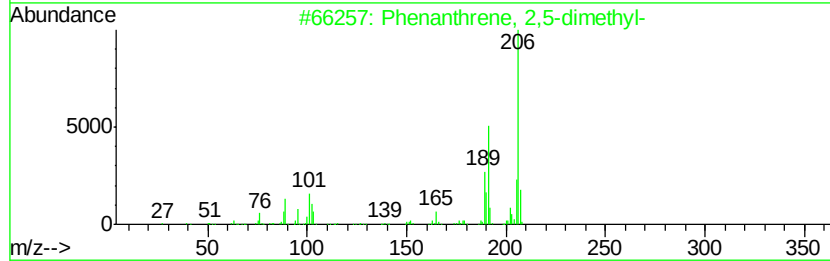
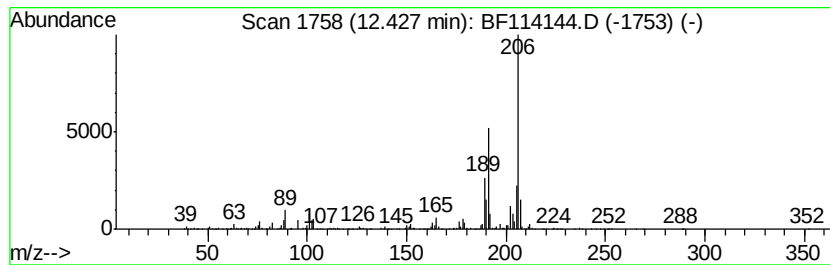
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.40 ng	879261	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	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:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114144.D
Acq On : 11 May 2019 1:52
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Misc :
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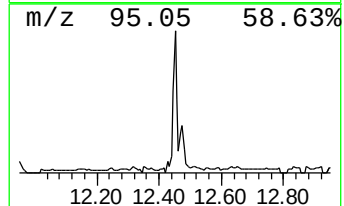
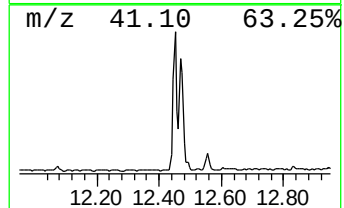
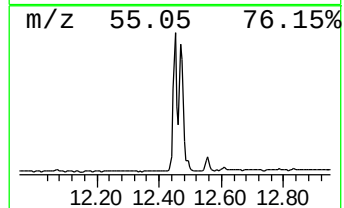
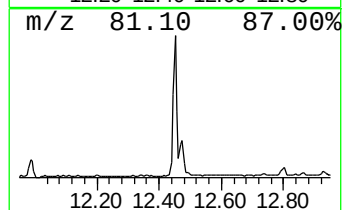
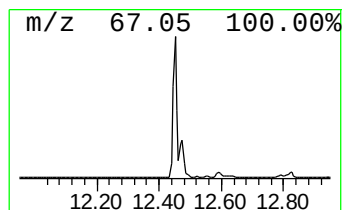
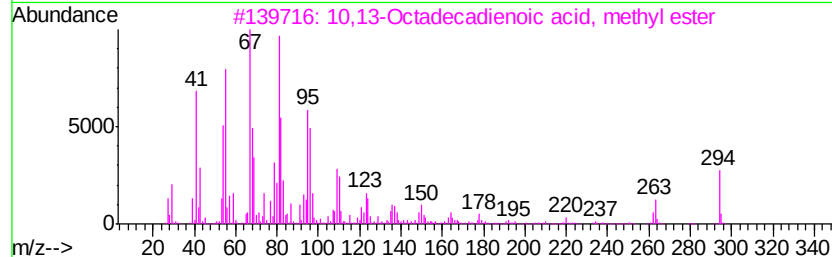
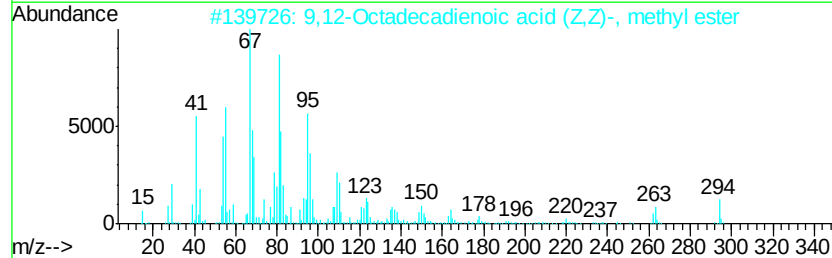
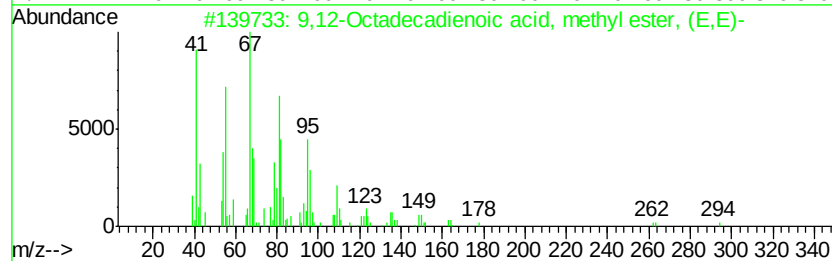
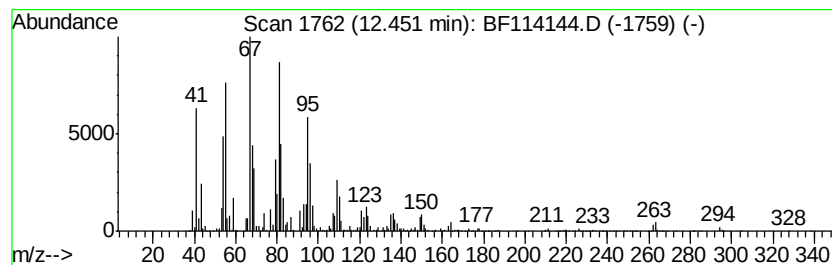
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	30.46 ng	3186990	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5		Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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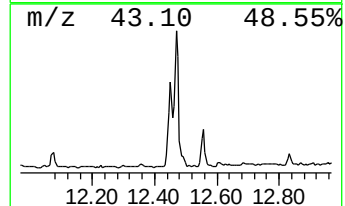
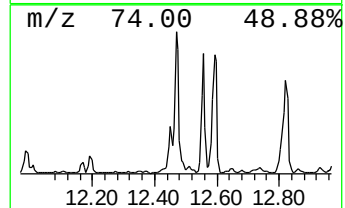
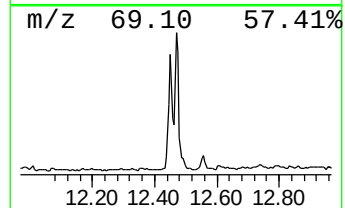
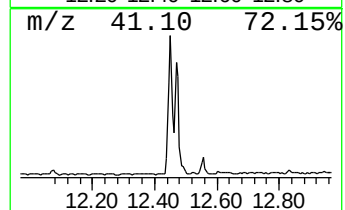
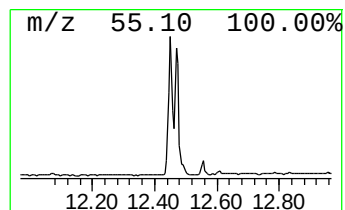
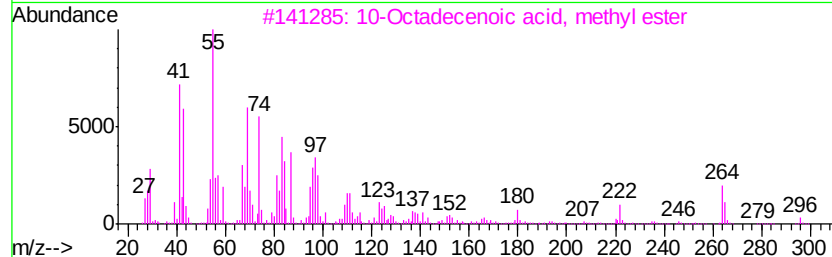
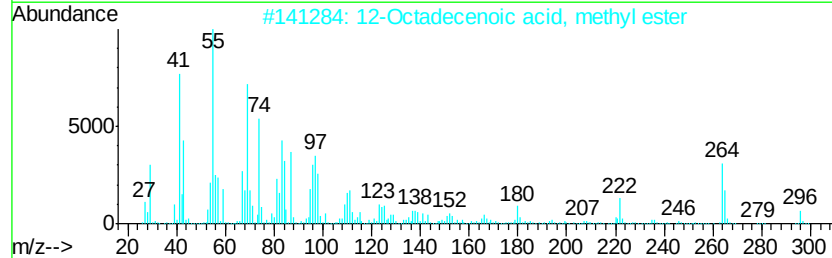
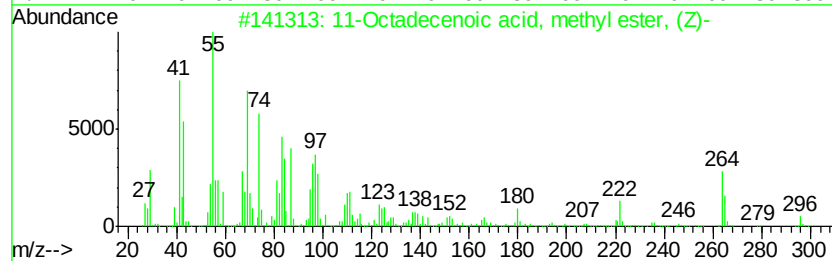
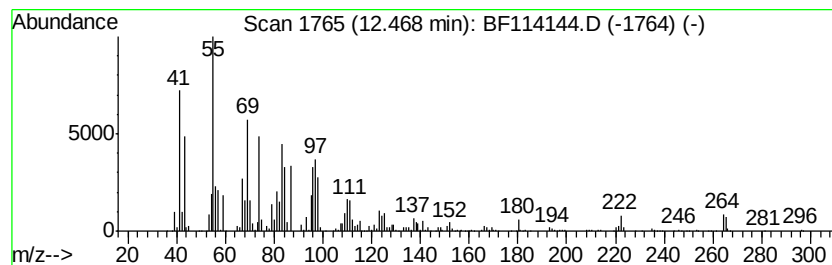
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11-Octadecenoic acid, methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	21.56 ng	2256370	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
2			12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3			10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	97
4			15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
5			6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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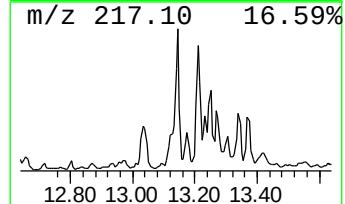
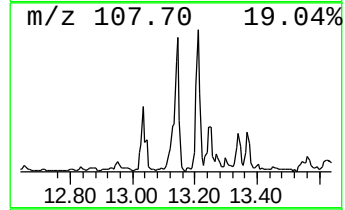
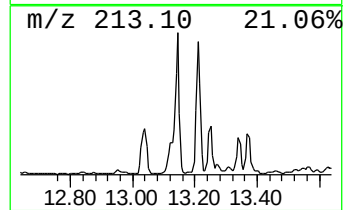
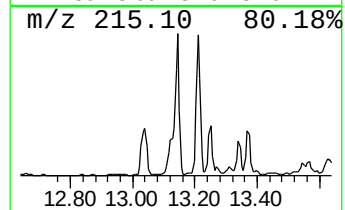
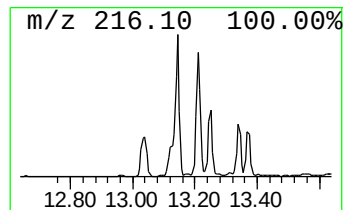
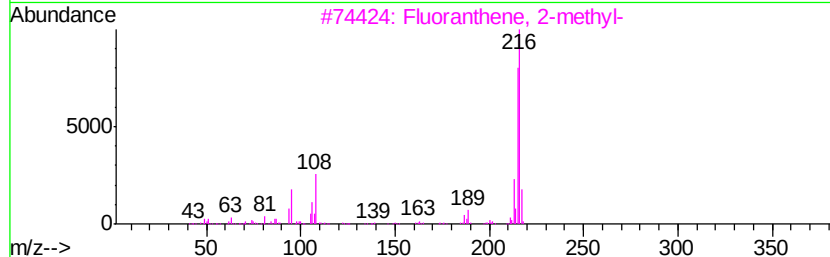
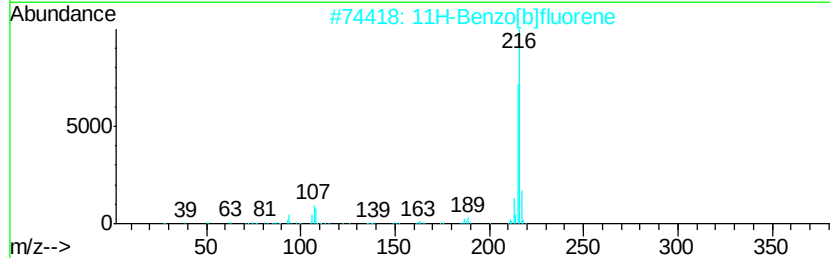
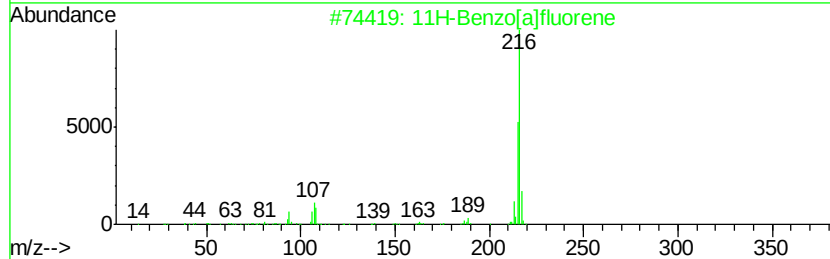
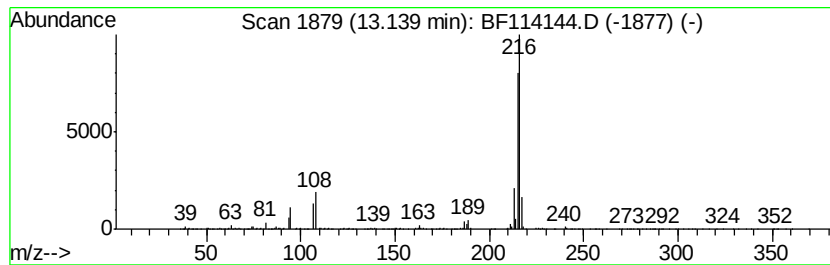
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	5.76 ng	1832040	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114144.D
Acq On : 11 May 2019 1:52
Operator : JU/SJ
Sample : K2642-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

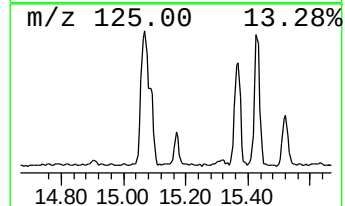
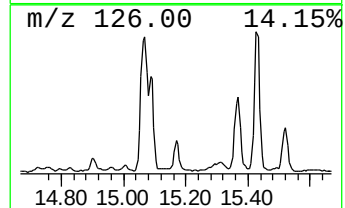
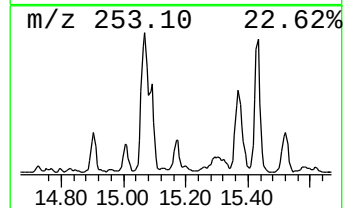
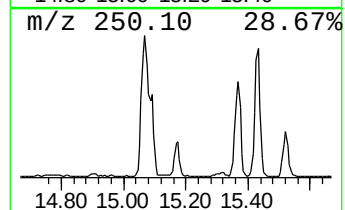
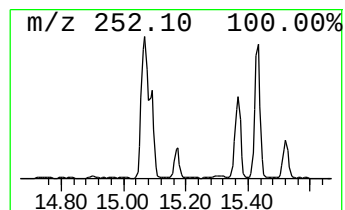
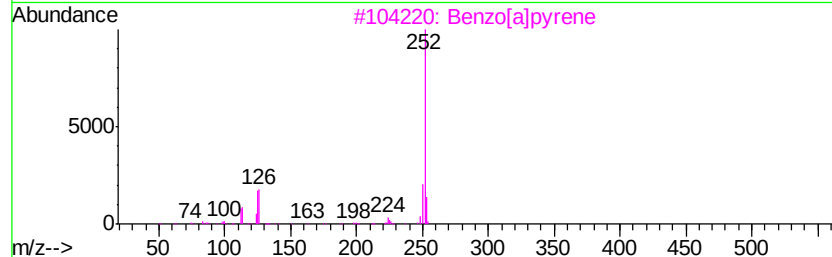
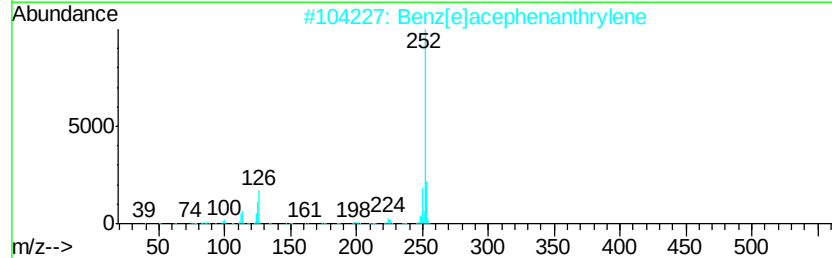
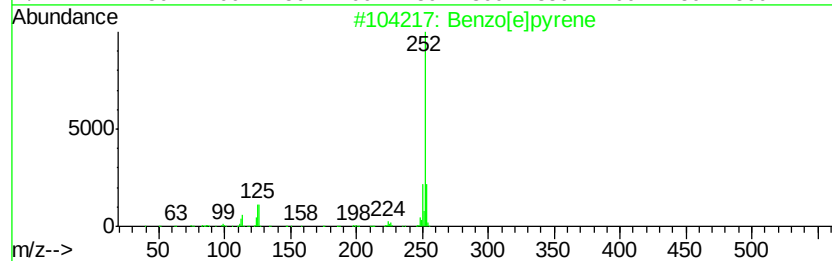
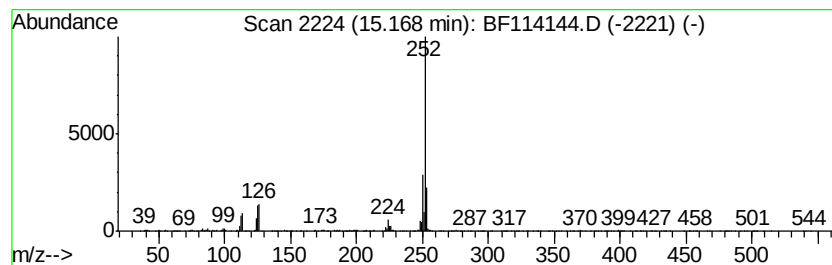
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	7.84 ng	522921	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	92
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
 Data File : BF114144.D
 Acq On : 11 May 2019 1:52
 Operator : JU/SJ
 Sample : K2642-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-050919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.62	6.62	7.2 ng		581273	1	6.86	1621350	20.0
Naphthalene, 2,6-...	9.47	6.9 ng		626890	3	9.89	1817610	20.0
Naphthalene, 1,3-...	9.55	8.4 ng		763962	3	9.89	1817610	20.0
9H-Fluorene, 2-me...	10.98	6.0 ng		630381	4	11.37	2092660	20.0
Dibenzothiophene	11.27	9.7 ng		1015740	4	11.37	2092660	20.0
Hexadecanoic acid...	11.76	6.8 ng		708590	4	11.37	2092660	20.0
Phenanthrene, 2-m...	11.87	14.0 ng		1460210	4	11.37	2092660	20.0
Phenanthrene, 1-m...	11.90	17.4 ng		1822550	4	11.37	2092660	20.0
Anthracene, 1-met...	11.95	6.5 ng		680501	4	11.37	2092660	20.0
4H-Cyclopenta[def...	11.99	29.7 ng		3112190	4	11.37	2092660	20.0
1H-Cyclopropa[l]p...	12.01	5.9 ng		620865	4	11.37	2092660	20.0
Naphthalene, 2-ph...	12.17	9.9 ng		1031680	4	11.37	2092660	20.0
9,10-Anthracenedione	12.19	6.7 ng		695917	4	11.37	2092660	20.0
Phenanthrene, 2,5...	12.43	8.4 ng		879261	4	11.37	2092660	20.0
9,12-Octadecadien...	12.45	30.5 ng		3186990	4	11.37	2092660	20.0
11-Octadecenoic a...	12.47	21.6 ng		2256370	4	11.37	2092660	20.0
11H-Benzo[a]fluorene	13.14	5.8 ng		1832040	5	14.02	6358910	20.0
Benzo[e]pyrene	15.17	7.8 ng		522921	6	15.49	1334420	20.0