

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100636.D
 Acq On : 16 Nov 2017 17:47
 Operator : SJ/JU
 Sample : I6305-09 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-D

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-BF110817.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	5.098	508	512	521	rBV	194683	212429	6.04%	0.428%
2	5.492	575	579	583	rBV	1176936	1123143	31.95%	2.262%
3	6.498	746	750	755	rBV	1137211	1139307	32.41%	2.295%
4	6.645	771	775	779	rBV	1208554	1146555	32.62%	2.309%
5	6.881	812	815	819	rVB	739346	618403	17.59%	1.246%
6	7.039	838	842	845	rBV	999548	854794	24.32%	1.722%
7	7.439	906	910	913	rBV	814558	673816	19.17%	1.357%
8	8.163	1029	1033	1035	rBV	913674	767240	21.83%	1.545%
9	8.186	1035	1037	1040	rVB	300371	225118	6.40%	0.453%
10	8.875	1150	1154	1157	rBV	255718	192371	5.47%	0.387%
11	8.975	1166	1171	1174	rBV	231060	187098	5.32%	0.377%
12	9.233	1211	1215	1219	rBV	1215842	1002846	28.53%	2.020%
13	9.504	1256	1261	1264	rBV	112135	147288	4.19%	0.297%
14	9.575	1268	1273	1275	rVV	207619	197229	5.61%	0.397%
15	9.598	1275	1277	1280	rVV	124265	112560	3.20%	0.227%
16	9.692	1288	1293	1299	rVB	110999	118015	3.36%	0.238%
17	9.780	1304	1308	1311	rVB2	230681	209999	5.97%	0.423%
18	9.916	1328	1331	1334	rVB	763756	674473	19.19%	1.358%
19	9.951	1334	1337	1340	rVB	423455	325750	9.27%	0.656%
20	10.122	1361	1366	1369	rVB	418281	374103	10.64%	0.753%
21	10.233	1380	1385	1387	rBV2	80501	93444	2.66%	0.188%
22	10.463	1421	1424	1430	rVB	832089	758529	21.58%	1.528%
23	10.622	1446	1451	1454	rVB	273250	284468	8.09%	0.573%
24	10.704	1459	1465	1469	rVV	671097	646899	18.40%	1.303%
25	10.827	1481	1486	1492	rVB4	88791	113714	3.24%	0.229%
26	11.010	1510	1517	1520	rBV2	191498	232531	6.62%	0.468%
27	11.039	1520	1522	1525	rVV2	117863	101864	2.90%	0.205%
28	11.092	1529	1531	1534	rVB	106353	92169	2.62%	0.186%
29	11.139	1534	1539	1541	rBV3	68418	96757	2.75%	0.195%
30	11.163	1541	1543	1547	rVV	80578	92499	2.63%	0.186%
31	11.251	1554	1558	1562	rVV3	79713	112879	3.21%	0.227%
32	11.298	1562	1566	1571	rVB	279215	285818	8.13%	0.576%
33	11.404	1581	1584	1586	rBV	650787	659652	18.77%	1.329%
34	11.433	1586	1589	1592	rVV	2848087	2776209	78.98%	5.592%

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35	11.480	1594	1597	1600	rVB	1049635	818431	23.28%	1.648%
36	11.510	1600	1602	1605	rVB	111948	102457	2.91%	0.206%
37	11.633	1616	1623	1626	rBV	353971	366045	10.41%	0.737%
38	11.698	1629	1634	1636	rBV2	98743	91636	2.61%	0.185%
39	11.733	1636	1640	1644	rVB3	132042	136784	3.89%	0.276%
40	11.816	1651	1654	1659	rVB	92212	98930	2.81%	0.199%
41	11.904	1663	1669	1672	rBV	504222	523817	14.90%	1.055%
42	11.933	1672	1674	1678	rVB	720951	562962	16.02%	1.134%
43	11.980	1678	1682	1685	rBV	272017	253528	7.21%	0.511%
44	12.021	1685	1689	1691	rBV2	929215	1023101	29.11%	2.061%
45	12.198	1716	1719	1721	rVV	342984	284352	8.09%	0.573%
46	12.227	1721	1724	1726	rVB2	138279	129263	3.68%	0.260%
47	12.380	1747	1750	1752	rVV	146298	119530	3.40%	0.241%
48	12.404	1752	1754	1757	rVB	127725	96932	2.76%	0.195%
49	12.457	1757	1763	1765	rBV	306207	413993	11.78%	0.834%
50	12.474	1765	1766	1767	rVV	233237	153878	4.38%	0.310%
51	12.492	1767	1769	1772	rVV2	348787	373587	10.63%	0.752%
52	12.539	1775	1777	1782	rBV2	151708	215219	6.12%	0.433%
53	12.627	1786	1792	1795	rBV	3052511	3201946	91.09%	6.449%
54	12.710	1804	1806	1809	rVB	102910	87529	2.49%	0.176%
55	12.768	1809	1816	1819	rBV2	187533	270616	7.70%	0.545%
56	12.857	1823	1831	1835	rBV2	2814241	3515067	100.00%	7.080%
57	12.898	1835	1838	1842	rVB2	191375	235814	6.71%	0.475%
58	12.963	1842	1849	1850	rBV2	241167	265399	7.55%	0.535%
59	12.986	1850	1853	1860	rVB2	884209	944373	26.87%	1.902%
60	13.063	1861	1866	1869	rBV3	258778	429948	12.23%	0.866%
61	13.151	1877	1881	1882	rVV3	210851	264165	7.52%	0.532%
62	13.174	1882	1885	1888	rVB	743312	696477	19.81%	1.403%
63	13.239	1893	1896	1899	rVV	697579	630639	17.94%	1.270%
64	13.280	1899	1903	1905	rVV2	435541	471864	13.42%	0.950%
65	13.333	1910	1912	1916	rVV2	74117	104078	2.96%	0.210%
66	13.368	1916	1918	1921	rVV	251041	238711	6.79%	0.481%
67	13.404	1921	1924	1926	rVV	272947	277836	7.90%	0.560%
68	13.574	1950	1953	1955	rVV2	129637	146843	4.18%	0.296%
69	13.651	1963	1966	1969	rBV2	124427	179799	5.12%	0.362%
70	13.680	1969	1971	1975	rVB2	153411	175869	5.00%	0.354%
71	13.792	1985	1990	1993	rBV2	322270	404524	11.51%	0.815%

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72	13.821	1993	1995	1997	rVB	292113	206850	5.88%	0.417%
73	13.845	1997	1999	2003	rBV2	225650	261152	7.43%	0.526%
74	14.039	2025	2032	2035	rBV3	1941313	2682197	76.31%	5.402%
75	14.074	2035	2038	2043	rVB	1588364	1517473	43.17%	3.056%
76	14.151	2049	2051	2054	rVV	287696	245346	6.98%	0.494%
77	14.186	2054	2057	2062	rVV2	158505	252693	7.19%	0.509%
78	14.233	2062	2065	2067	rVV2	133609	137750	3.92%	0.277%
79	14.268	2067	2071	2074	rVV2	179298	257390	7.32%	0.518%
80	14.368	2084	2088	2090	rBV4	86242	129855	3.69%	0.262%
81	14.392	2090	2092	2094	rVV	131261	134261	3.82%	0.270%
82	14.427	2094	2098	2101	rVV	441269	536859	15.27%	1.081%
83	14.462	2101	2104	2107	rVV	271045	280997	7.99%	0.566%
84	14.498	2108	2110	2111	rVV2	117246	111425	3.17%	0.224%
85	14.521	2112	2114	2117	rVV	235401	292630	8.33%	0.589%
86	14.551	2117	2119	2121	rVV	275954	275760	7.85%	0.555%
87	14.574	2121	2123	2127	rVV	331818	330808	9.41%	0.666%
88	14.621	2127	2131	2137	rVB4	138598	236839	6.74%	0.477%
89	14.815	2161	2164	2167	rBV4	80415	91437	2.60%	0.184%
90	15.092	2206	2211	2214	rBV	979621	1700360	48.37%	3.425%
91	15.198	2225	2229	2233	rVB	280518	288986	8.22%	0.582%
92	15.398	2259	2263	2269	rVB	628853	831454	23.65%	1.675%
93	15.462	2269	2274	2279	rBV	988752	1284793	36.55%	2.588%
94	15.521	2280	2284	2287	rVV	496206	678209	19.29%	1.366%
95	15.557	2287	2290	2296	rVB2	288963	393939	11.21%	0.793%
96	16.092	2377	2381	2388	rVB2	95992	160130	4.56%	0.323%
97	17.003	2531	2536	2545	rVB2	314467	623246	17.73%	1.255%
98	17.245	2573	2577	2582	rBV2	51310	95767	2.72%	0.193%
99	17.456	2607	2613	2625	rVB	229092	516073	14.68%	1.039%
100	17.692	2649	2653	2659	rVB	71597	138538	3.94%	0.279%

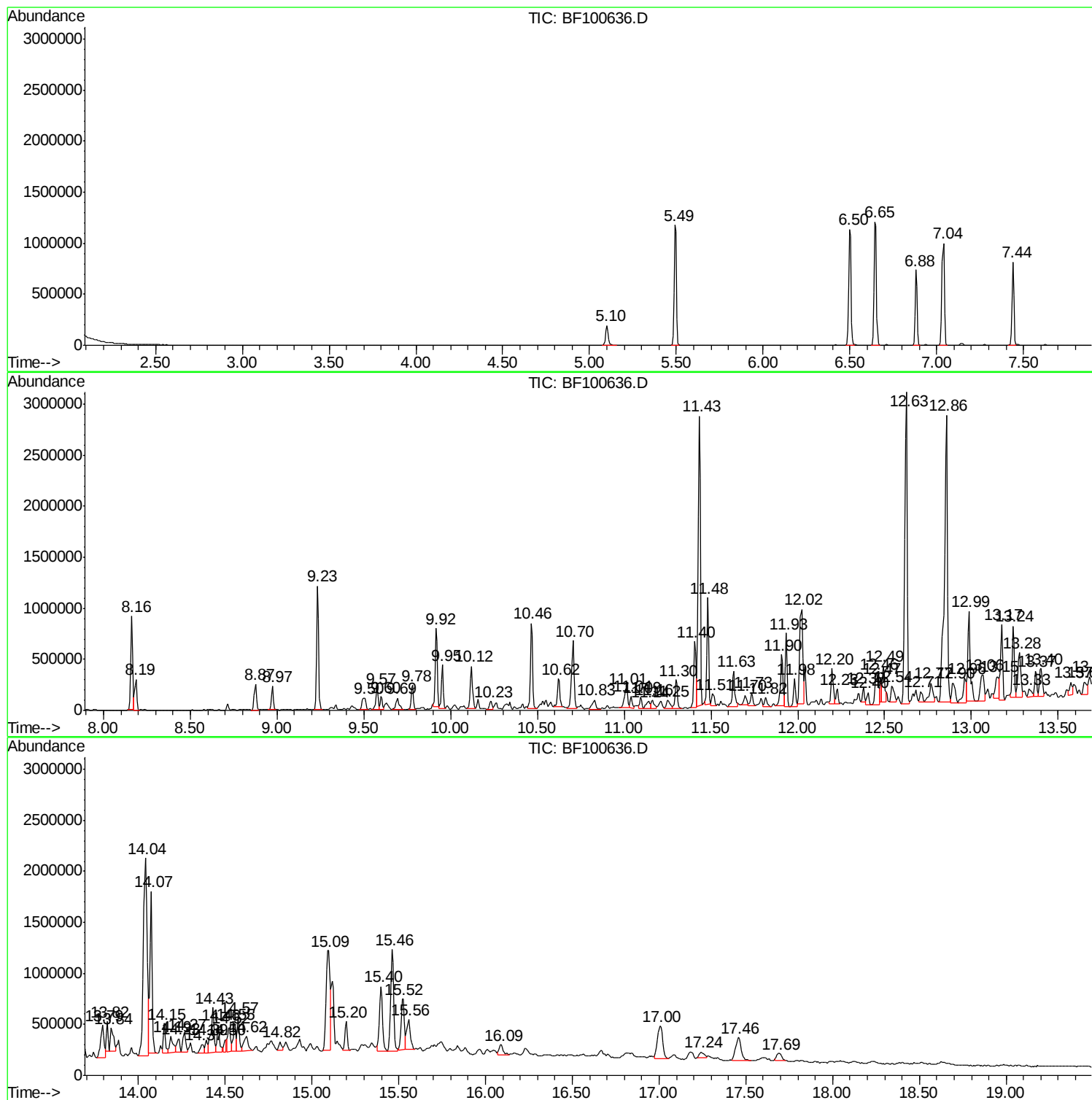
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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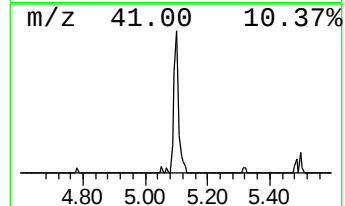
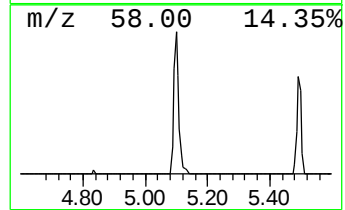
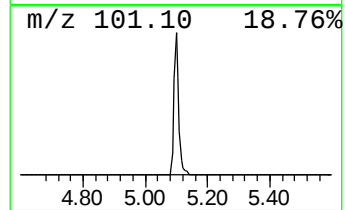
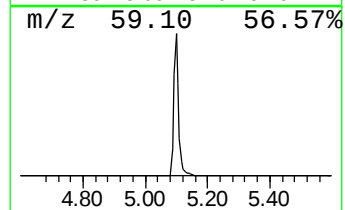
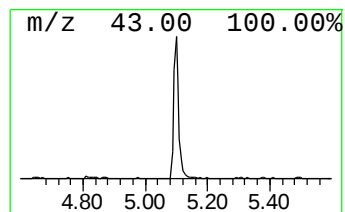
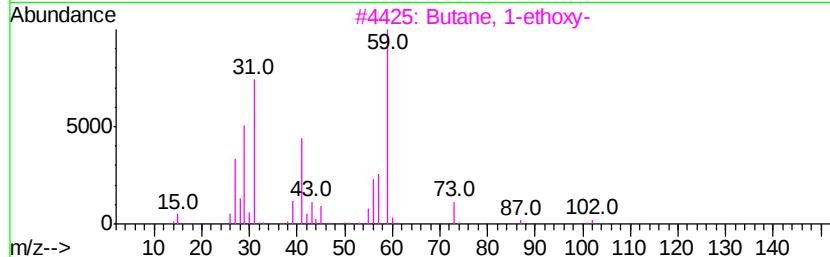
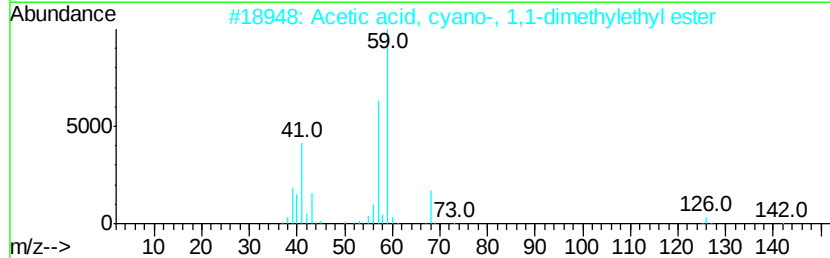
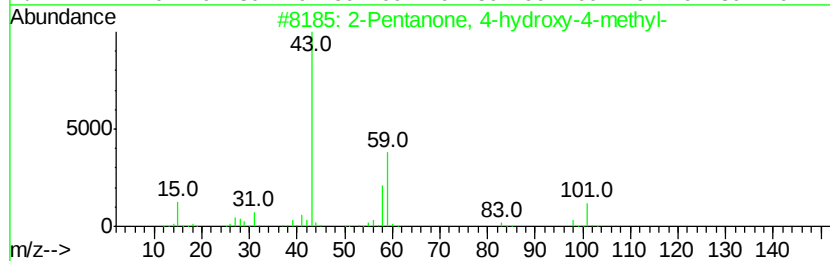
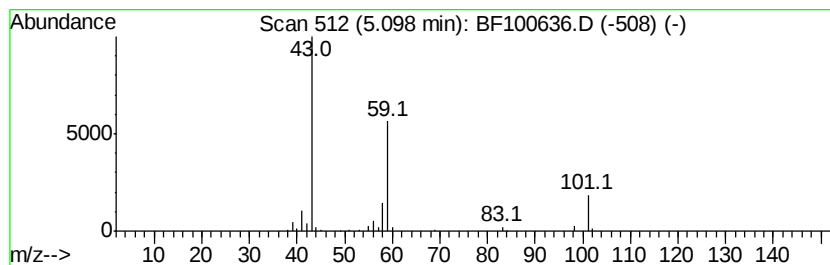
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	6.87 ng	212429	1,4-Dichlorobenzene-d4	6.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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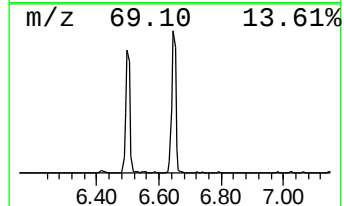
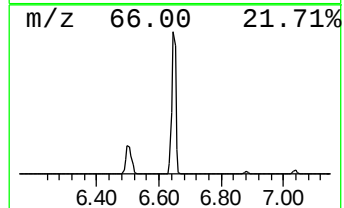
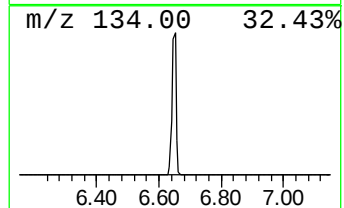
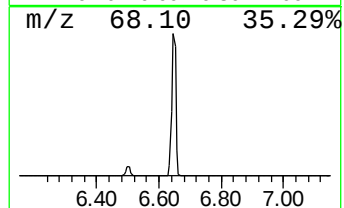
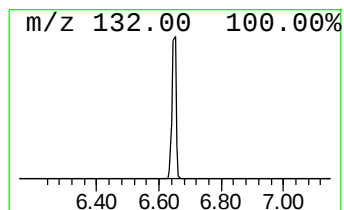
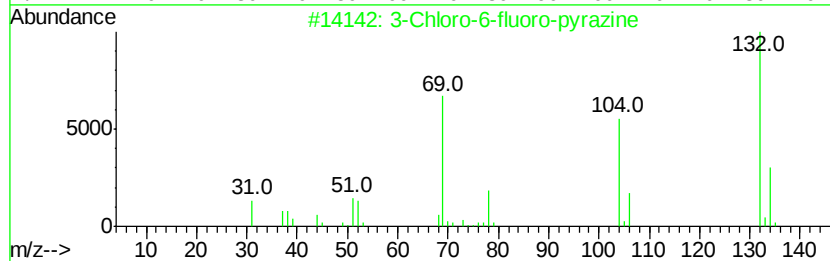
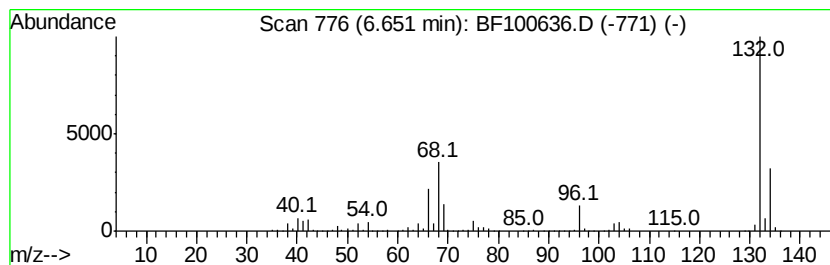
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	37.08 ng	1146560	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Amphetaminil	250	C17H18N2	017590-01-1	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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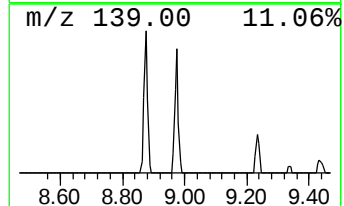
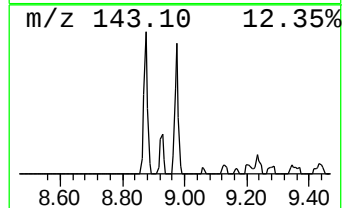
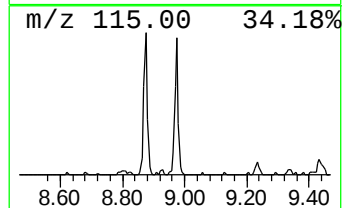
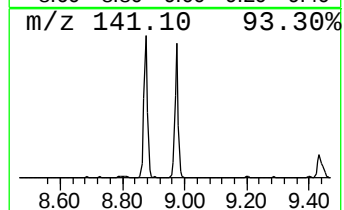
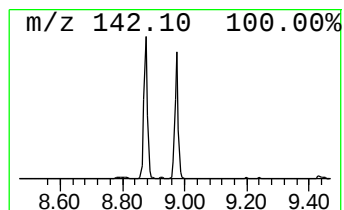
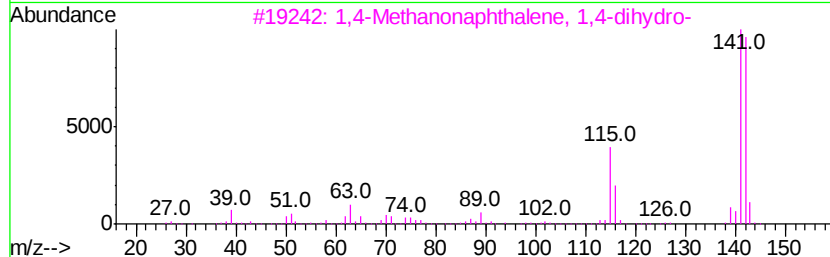
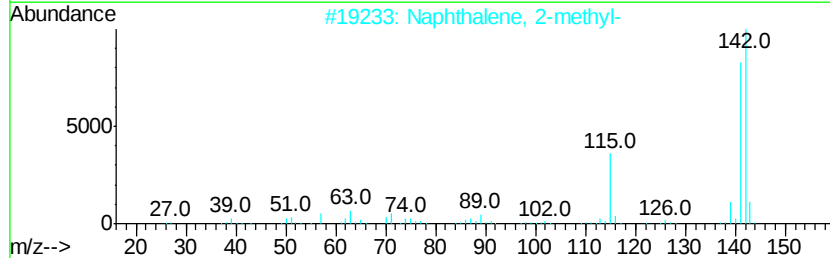
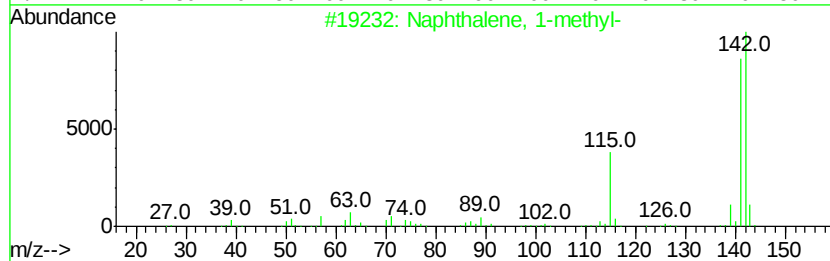
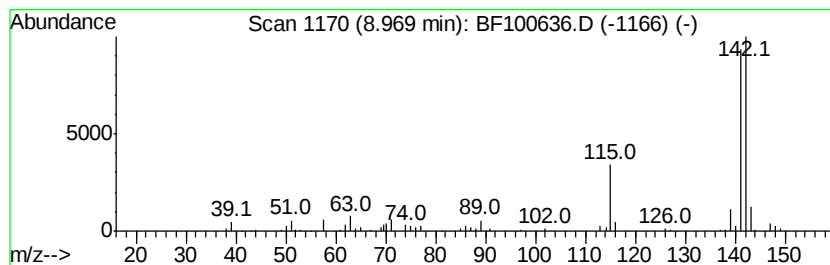
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Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	4.88 ng	187098	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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Acq On : 16 Nov 2017 17:47
Operator : SJ/JU
Sample : I6305-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
PL-01-111317-D

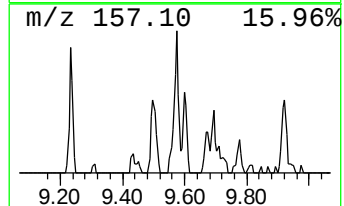
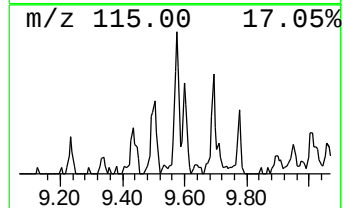
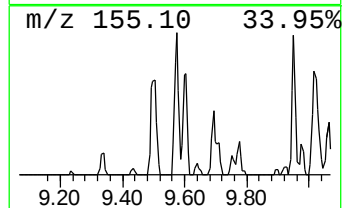
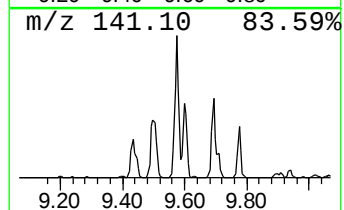
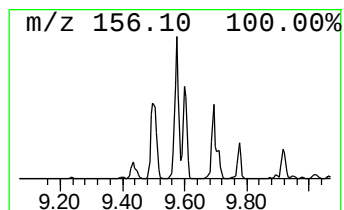
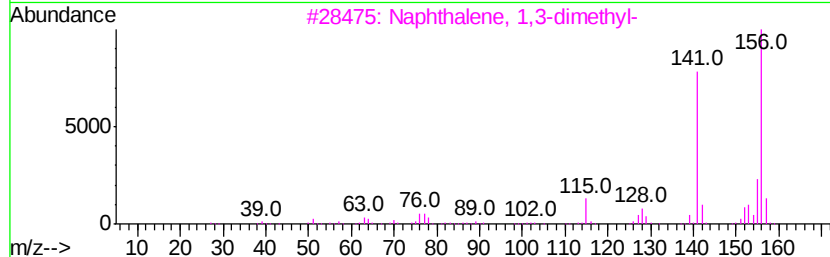
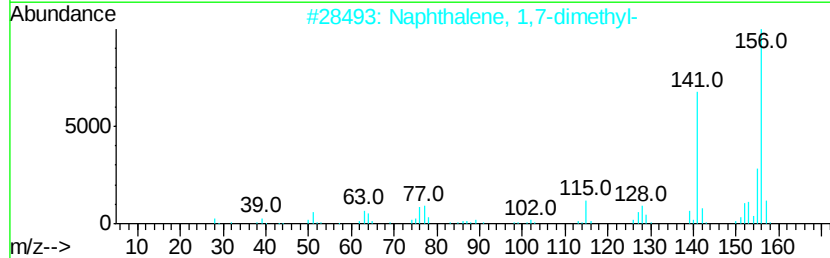
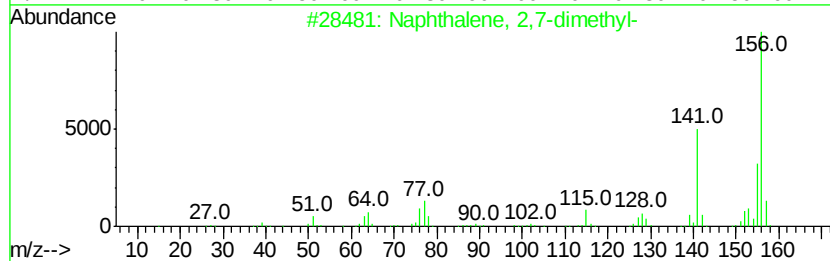
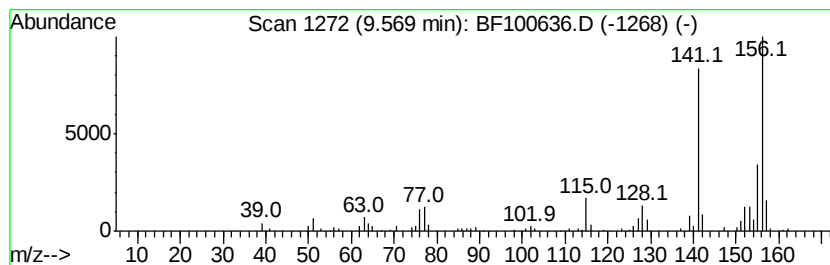
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	5.85 ng	197229	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100636.D
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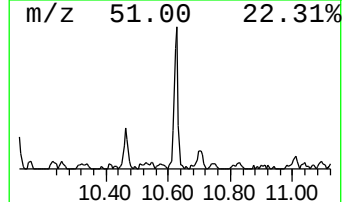
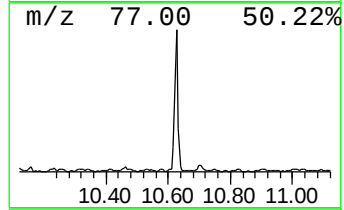
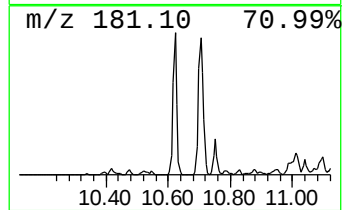
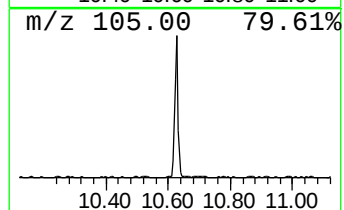
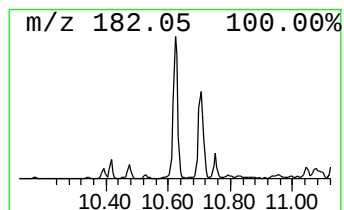
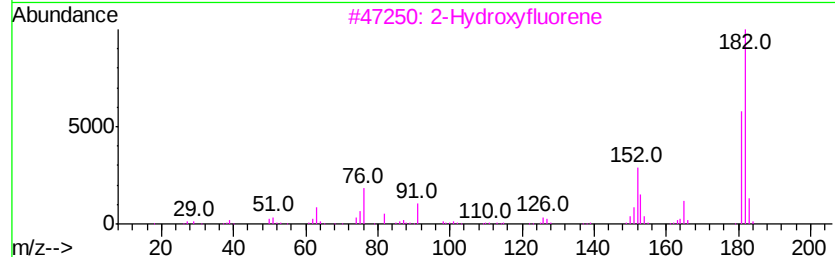
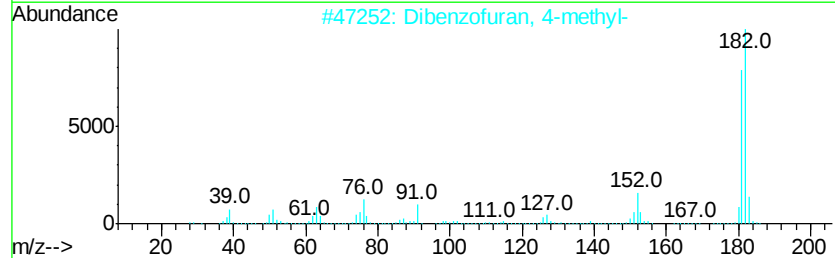
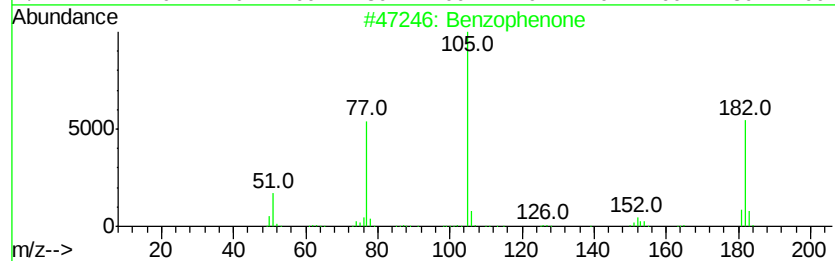
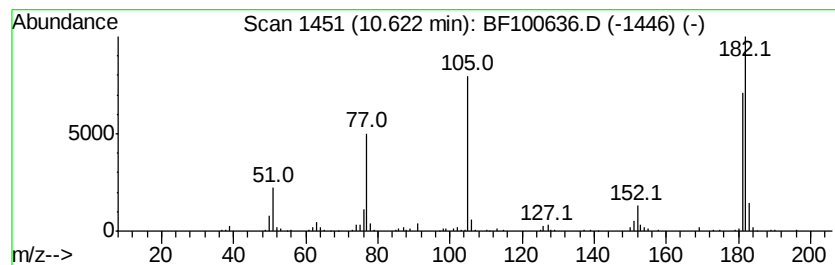
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.62	8.44 ng	284468	Acenaphthene-d10	9.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	58
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	45
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
Data File : BF100636.D
Acq On : 16 Nov 2017 17:47
Operator : SJ/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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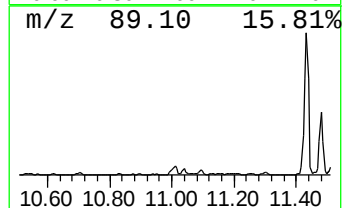
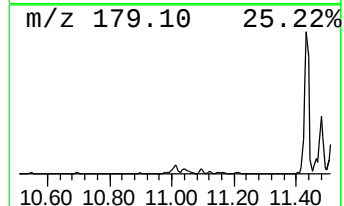
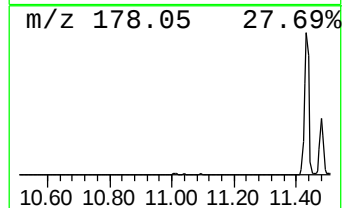
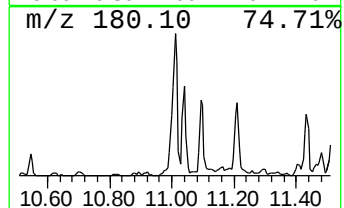
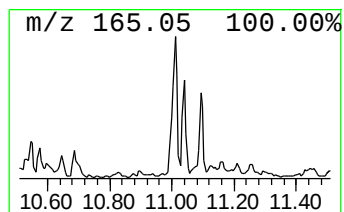
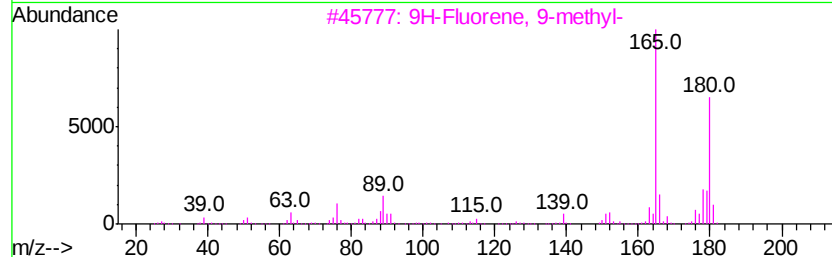
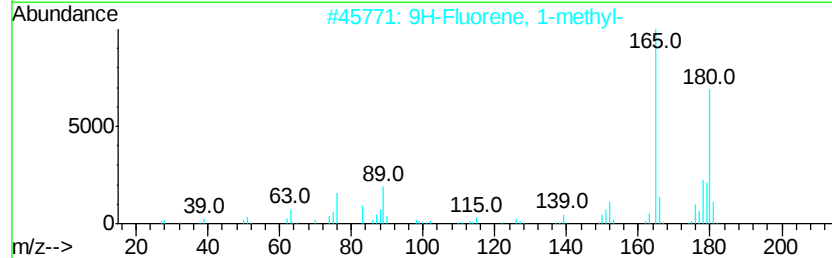
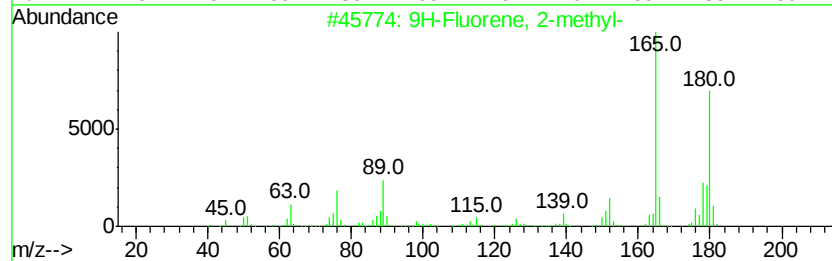
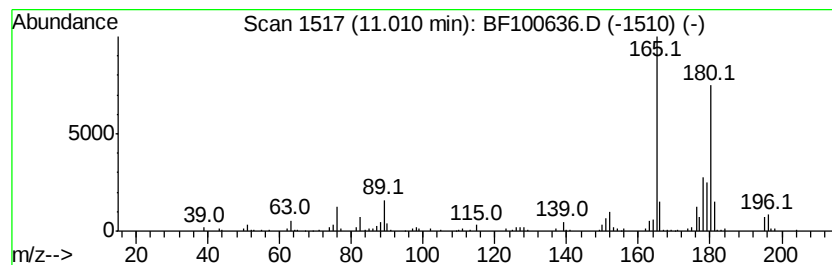
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	7.05 ng	232531	Phenanthrene-d10	11.40

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, 9-methyl-	180	C14H12	002523-37-7	91
4			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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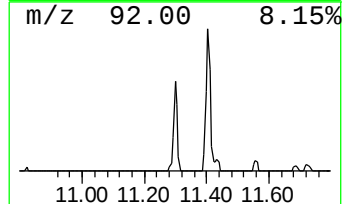
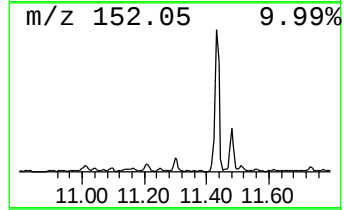
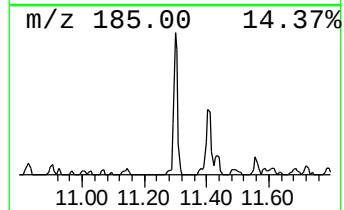
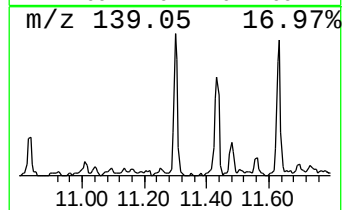
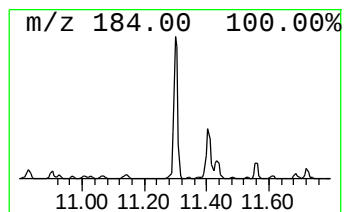
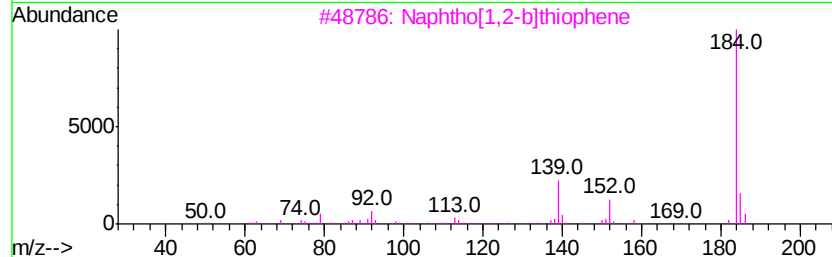
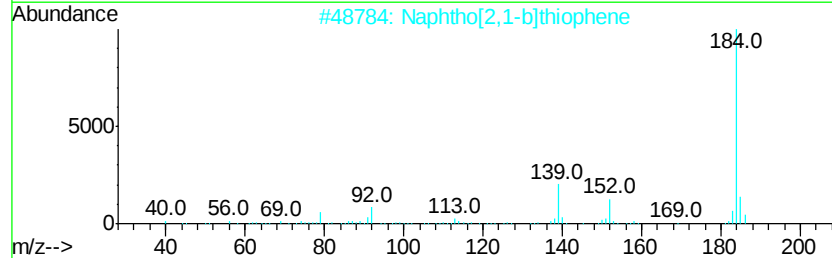
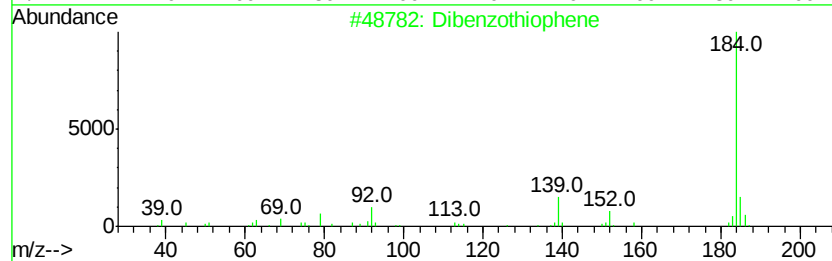
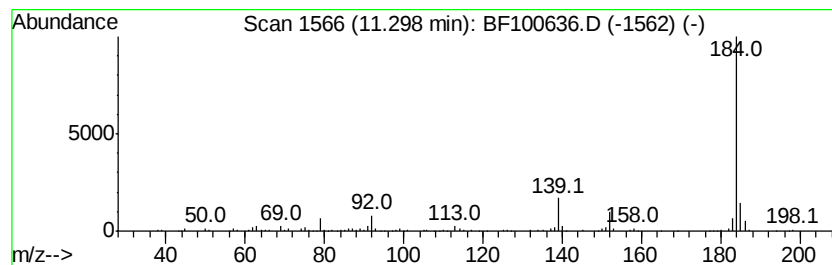
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	8.67 ng	285818	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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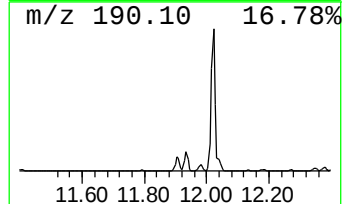
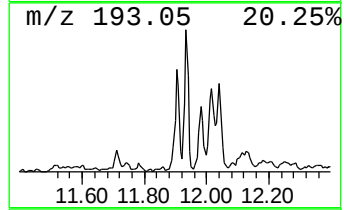
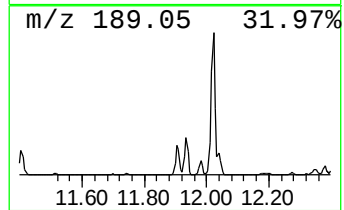
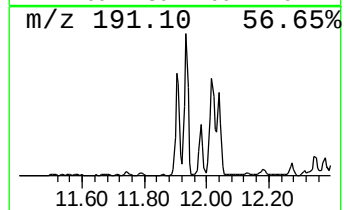
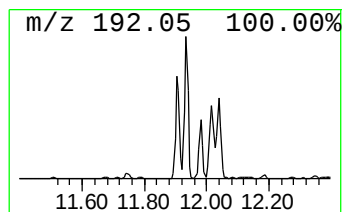
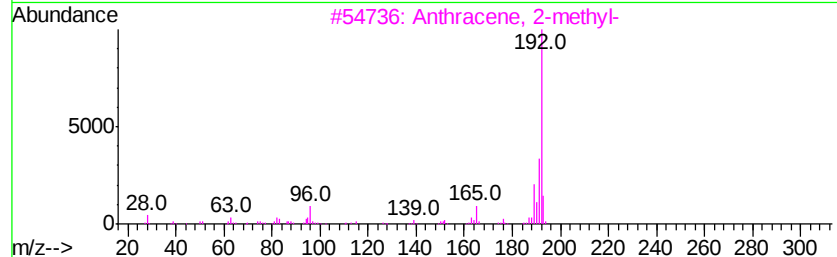
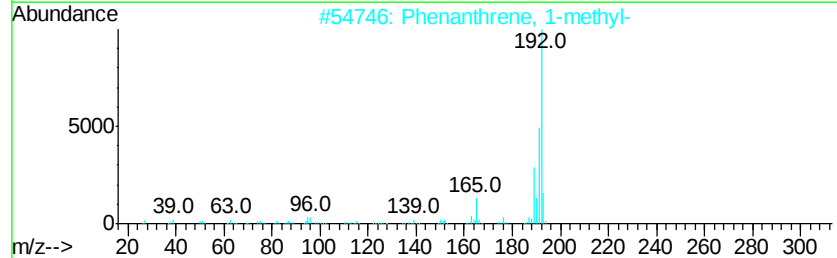
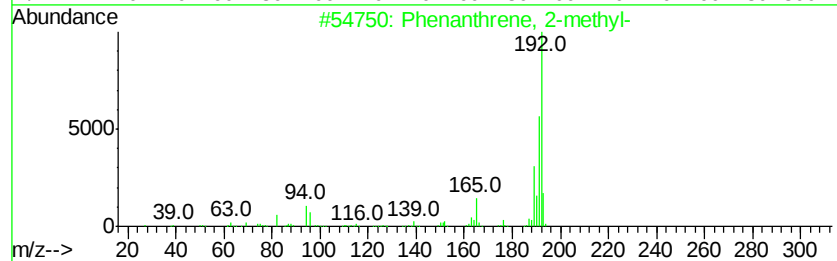
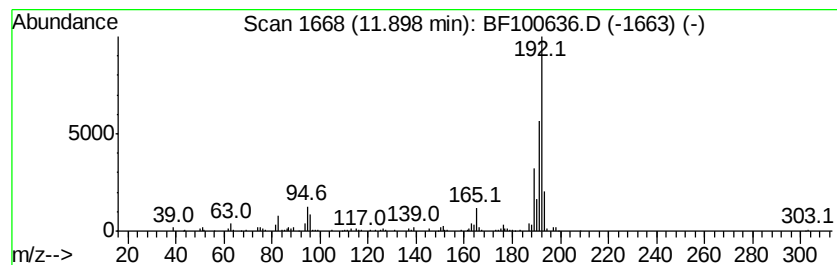
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	15.88 ng	523817	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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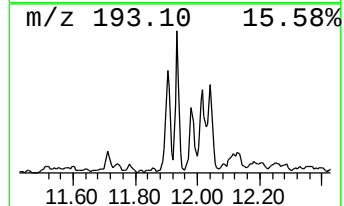
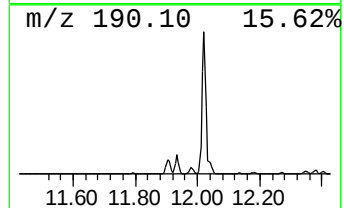
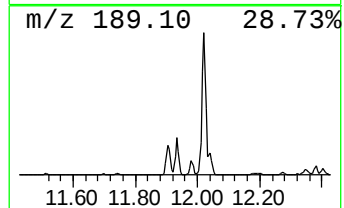
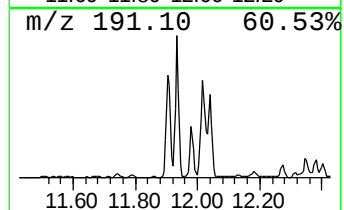
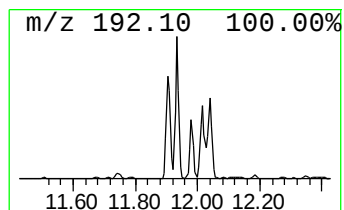
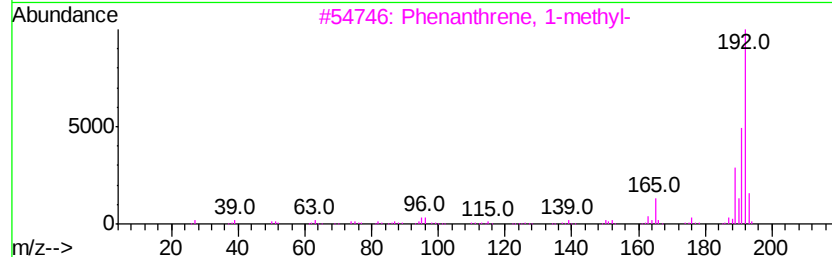
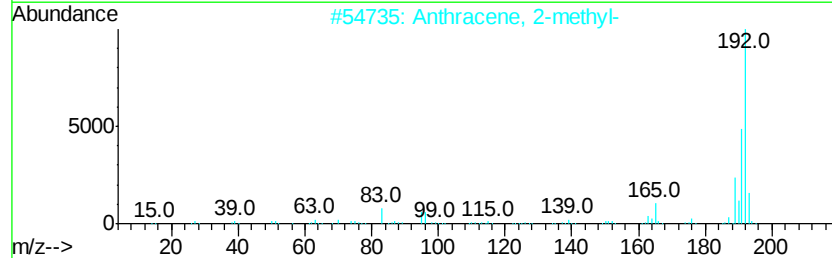
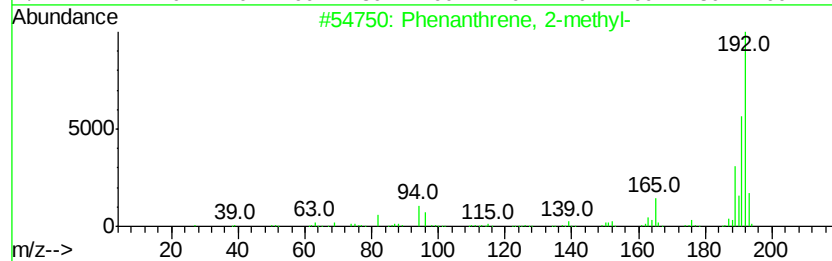
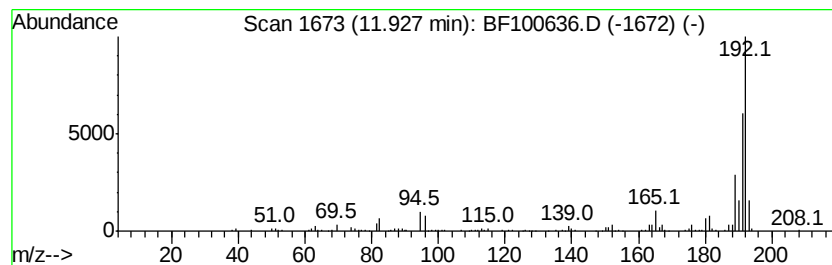
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	17.07 ng	562962	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95



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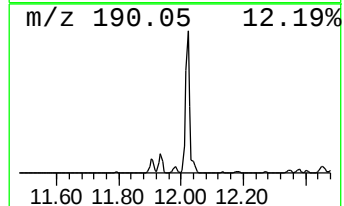
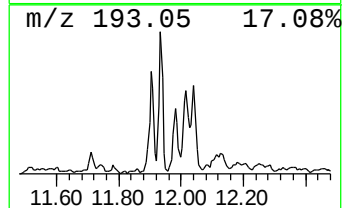
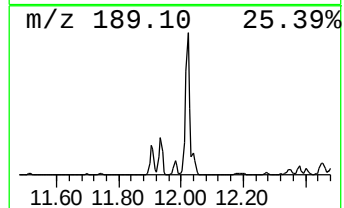
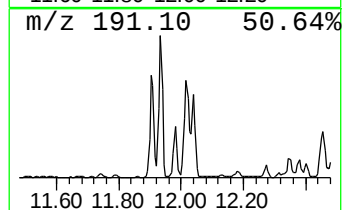
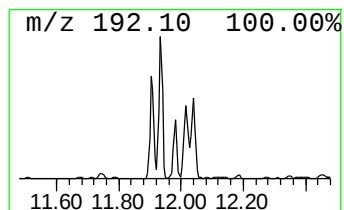
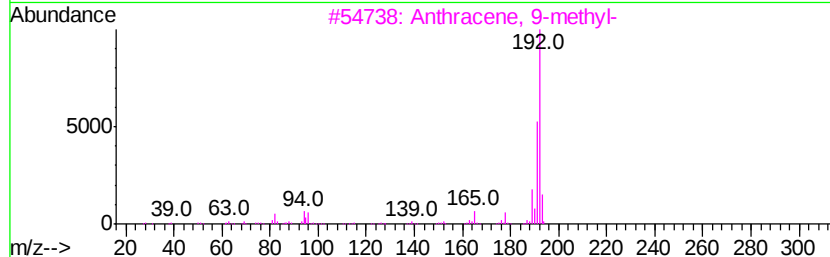
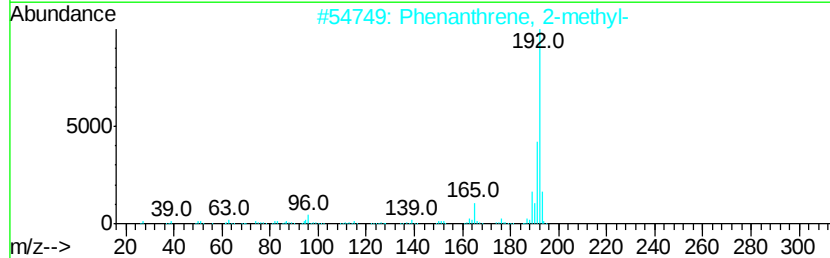
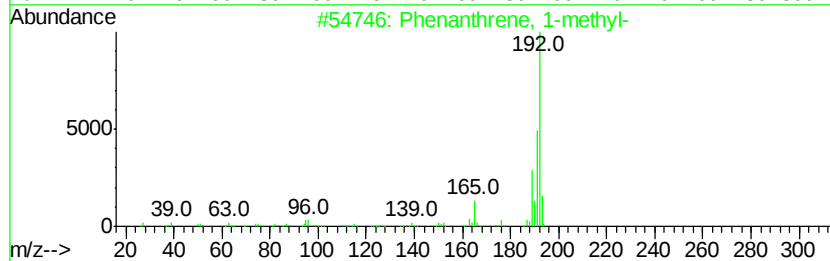
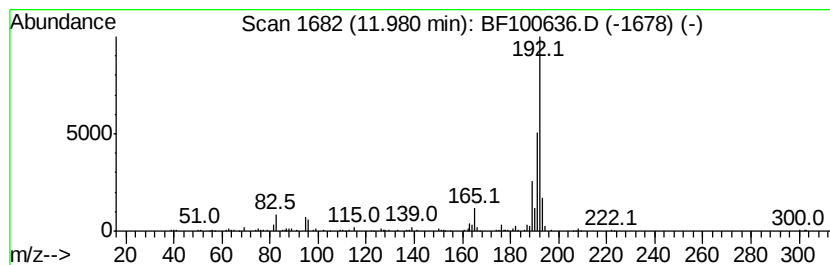
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	7.69 ng	253528	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100636.D
Acq On : 16 Nov 2017 17:47
Operator : SJ/JU
Sample : I6305-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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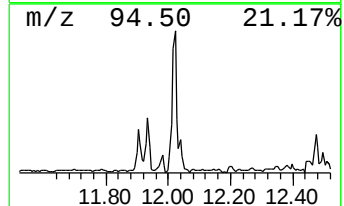
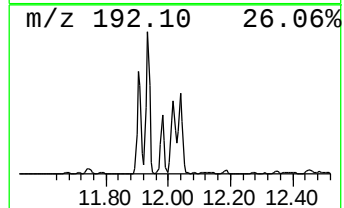
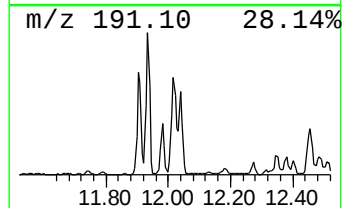
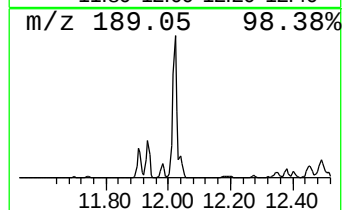
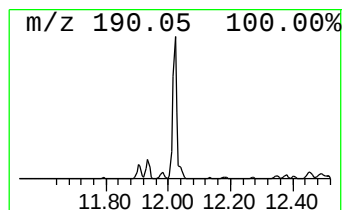
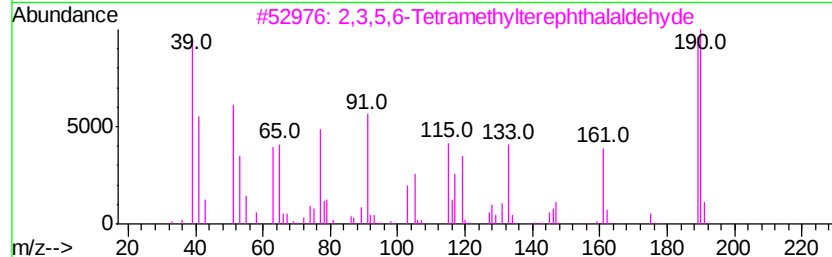
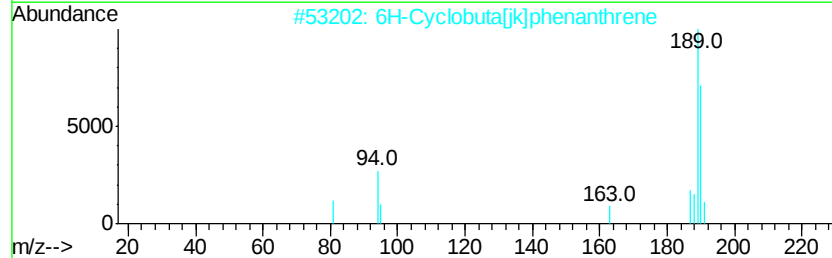
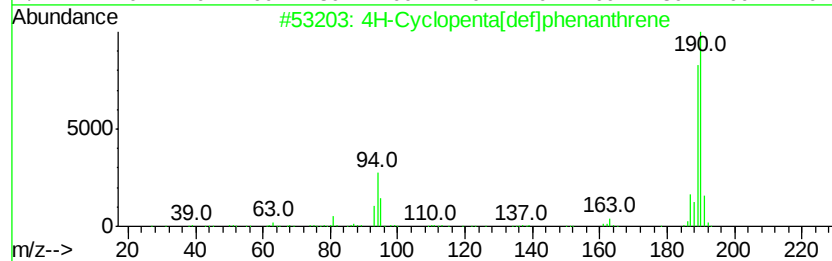
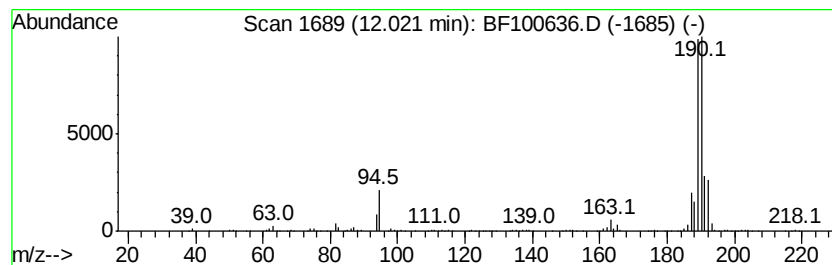
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	31.02 ng	1023100	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		Methyl diselenide	190	C2H6Se2	007101-31-7	16



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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Acq On : 16 Nov 2017 17:47
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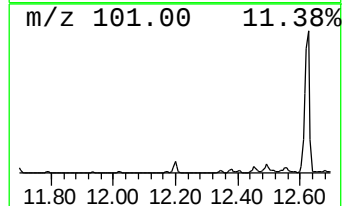
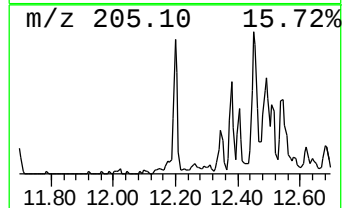
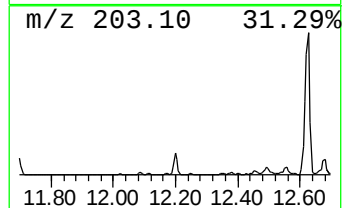
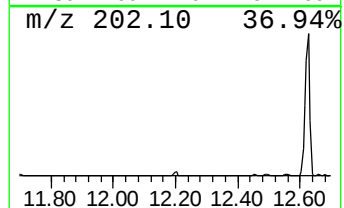
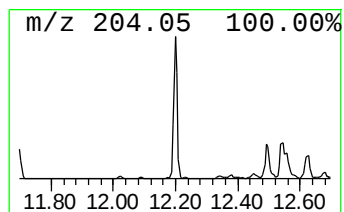
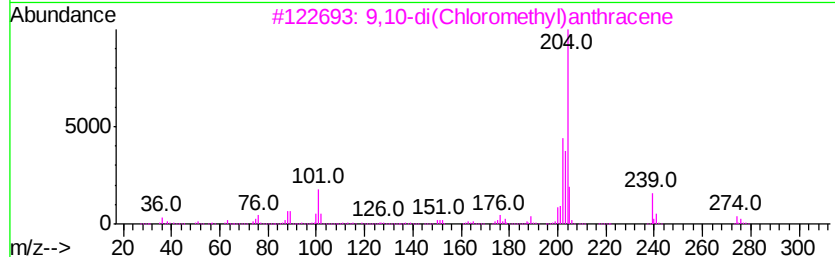
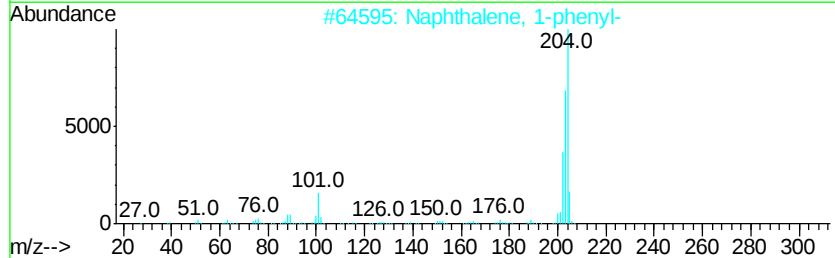
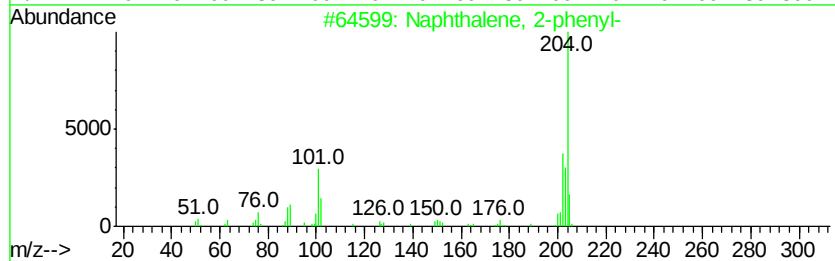
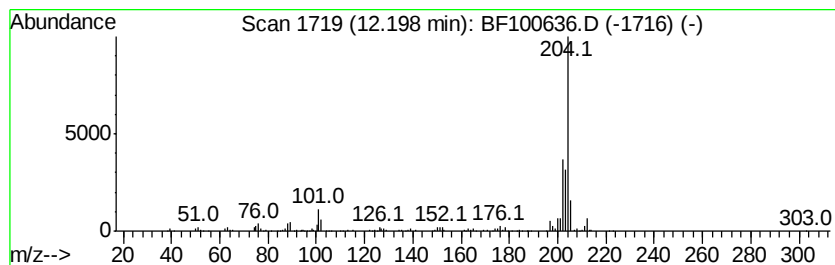
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	8.62 ng	284352	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	52
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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Acq On : 16 Nov 2017 17:47
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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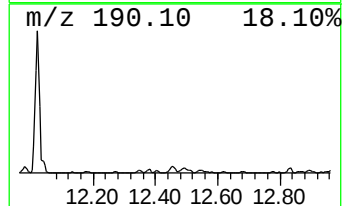
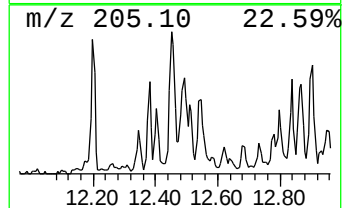
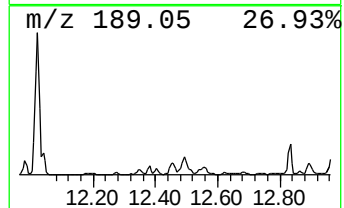
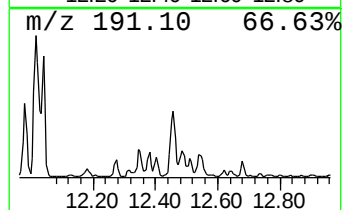
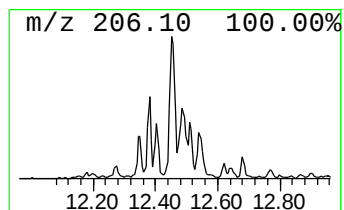
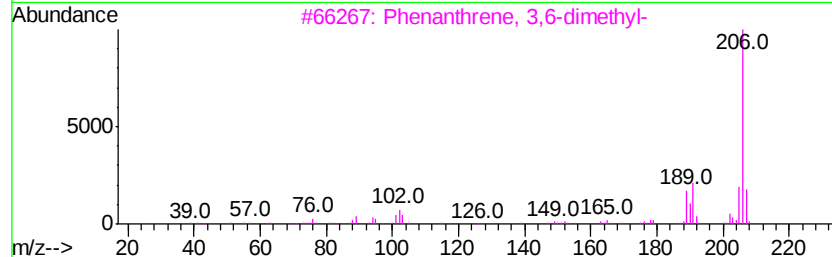
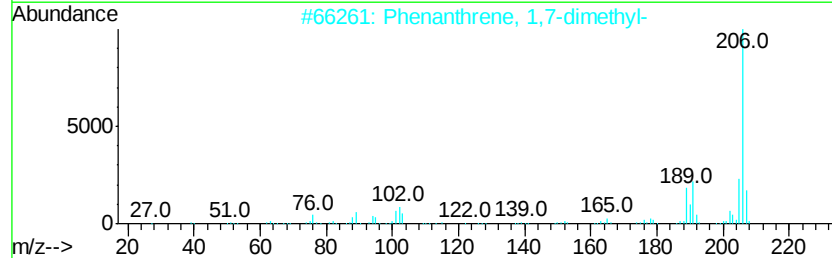
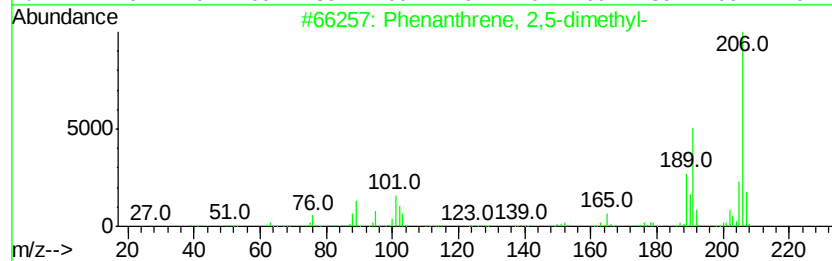
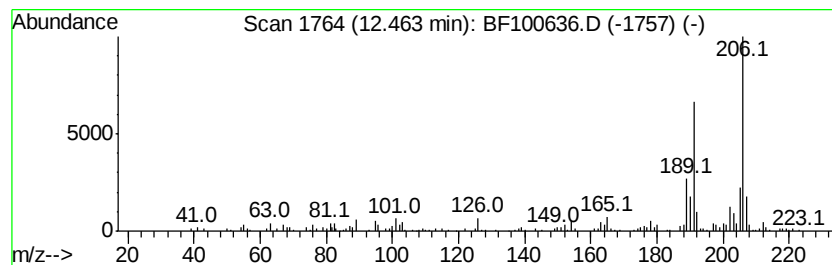
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	12.55 ng	413993	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
Data File : BF100636.D
Acq On : 16 Nov 2017 17:47
Operator : SJ/JU
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ALS Vial : 20 Sample Multiplier: 1

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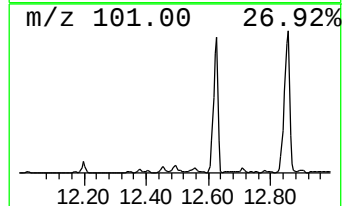
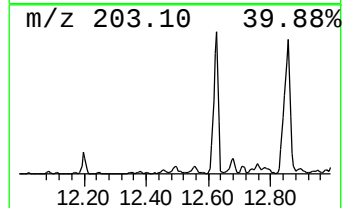
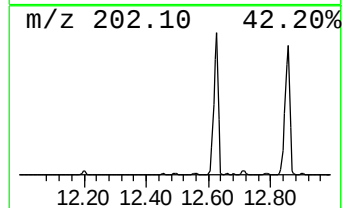
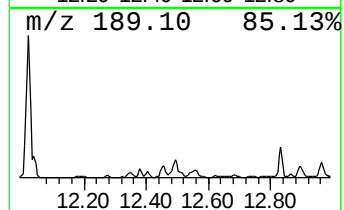
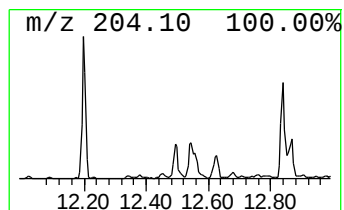
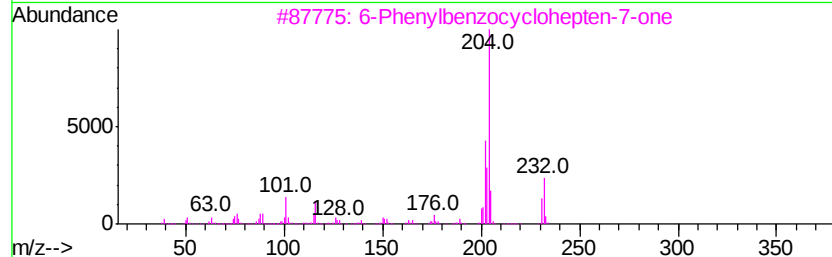
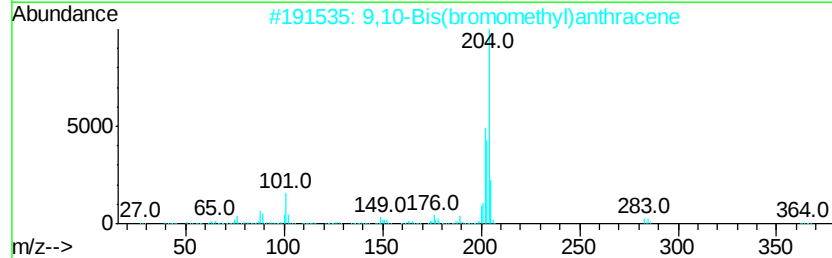
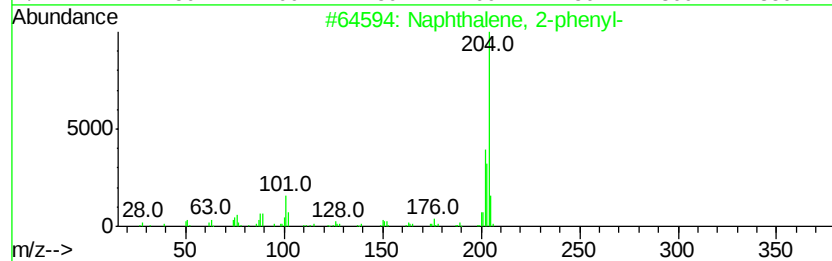
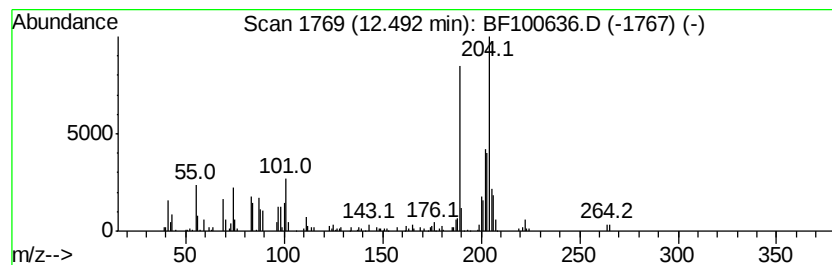
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Bis(bromomethyl)anthra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	11.33 ng	373587	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50
4		3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	46
5		2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100636.D
Acq On : 16 Nov 2017 17:47
Operator : SJ/JU
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ALS Vial : 20 Sample Multiplier: 1

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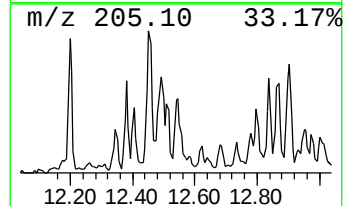
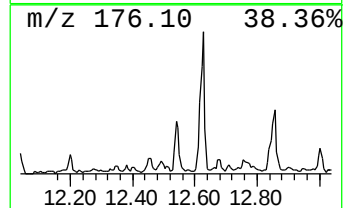
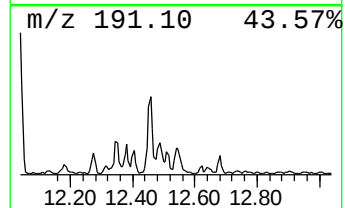
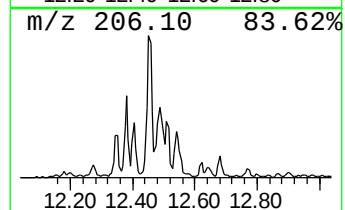
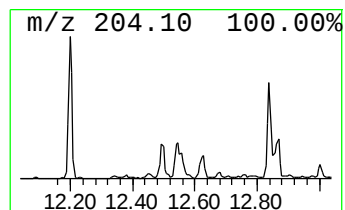
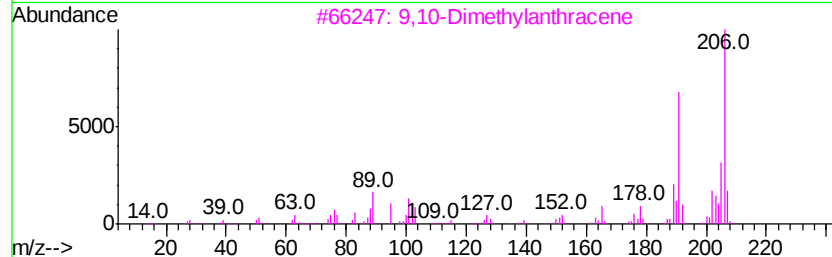
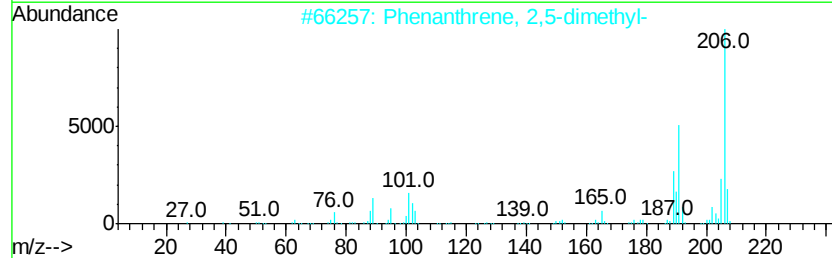
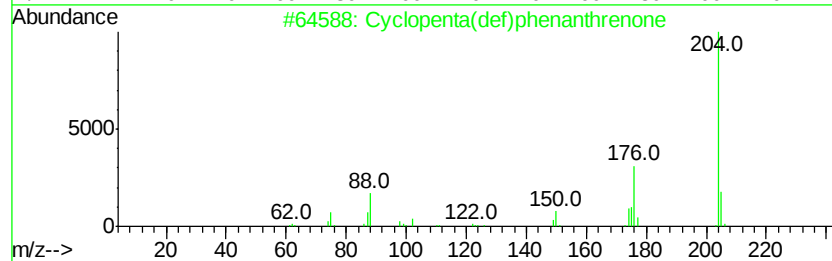
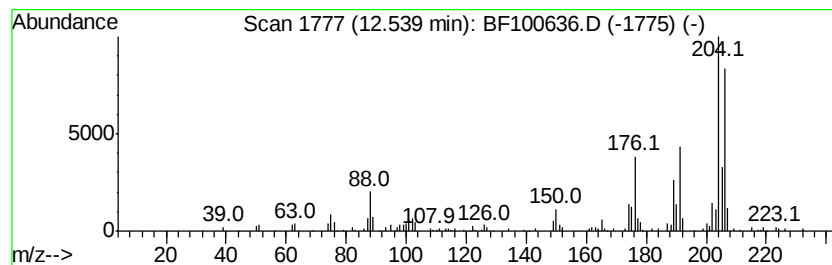
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	6.53 ng	215219	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
4			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	45
5			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	45



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Data File : BF100636.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-111317-D

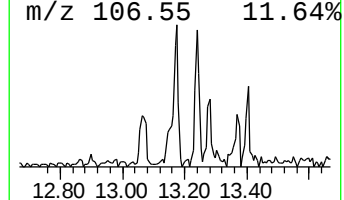
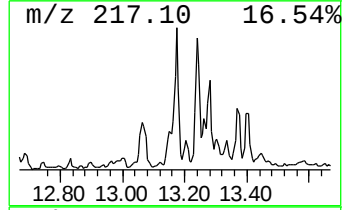
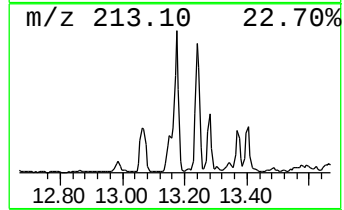
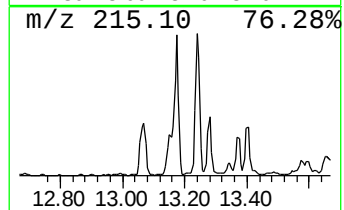
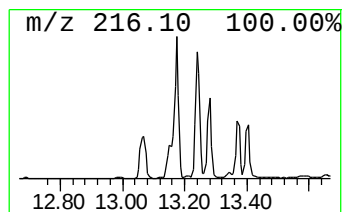
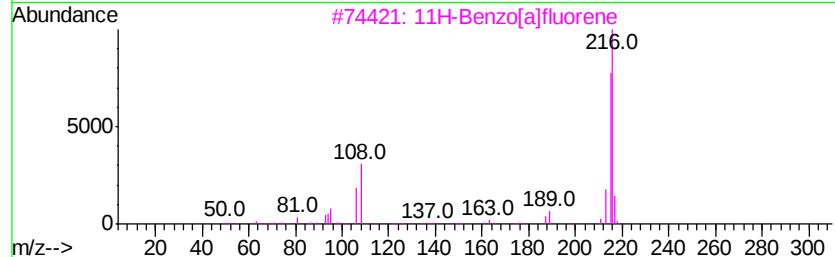
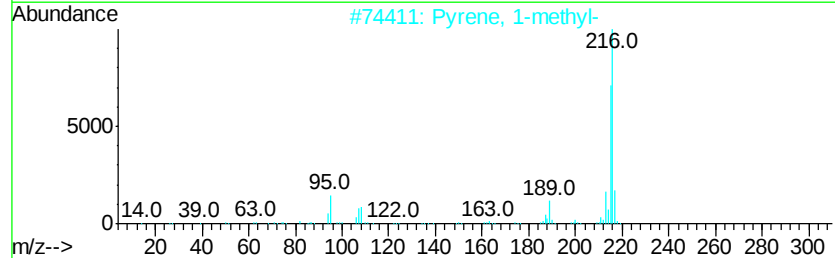
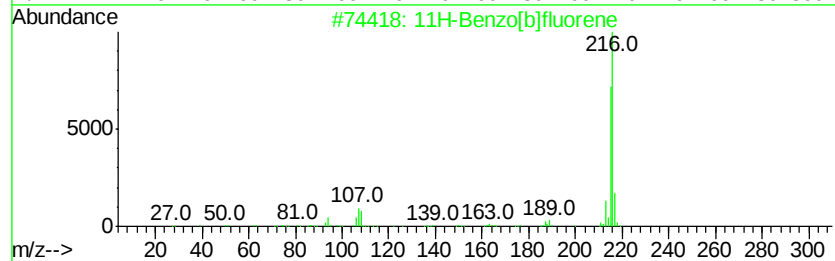
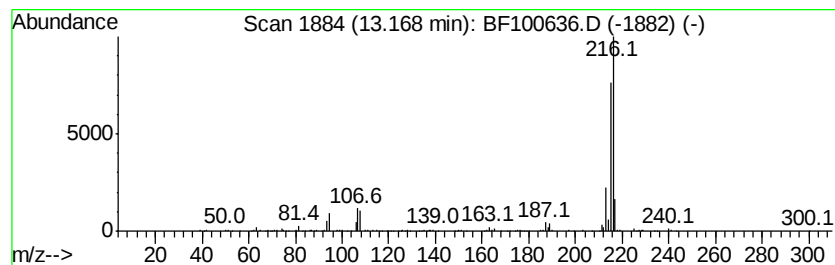
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	5.19 ng	696477	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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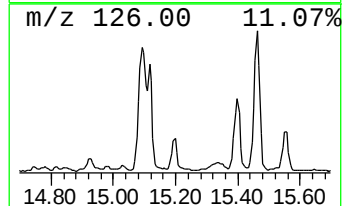
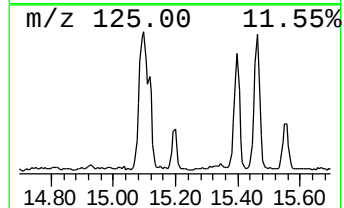
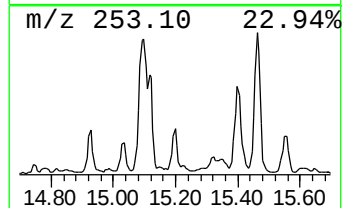
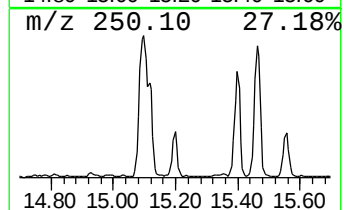
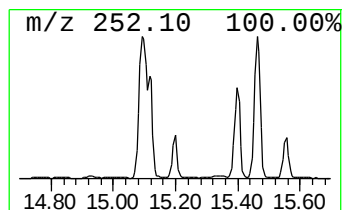
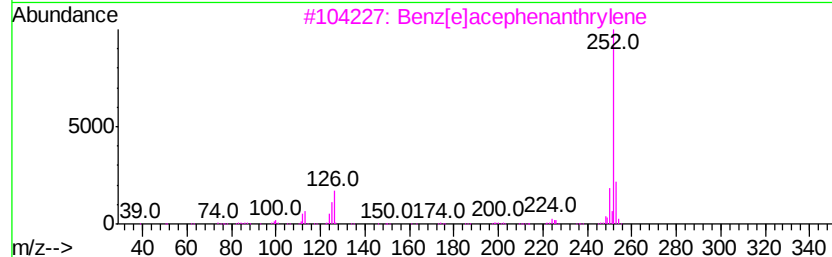
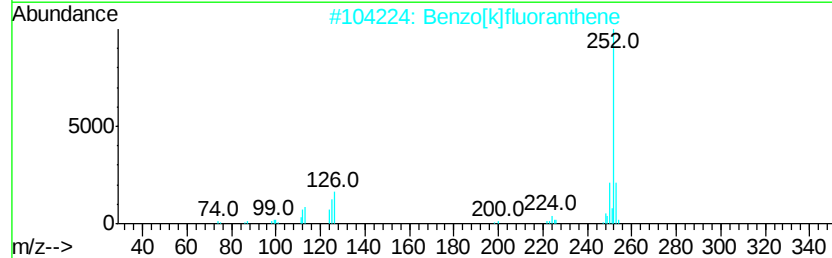
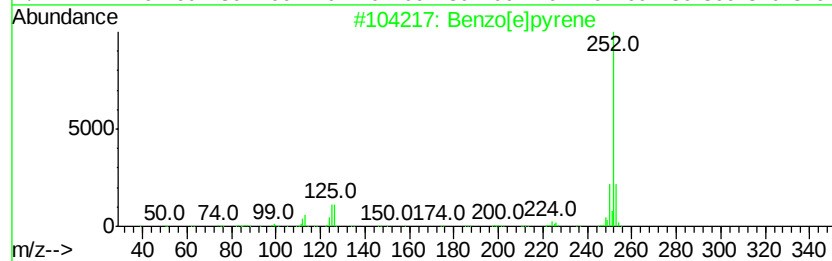
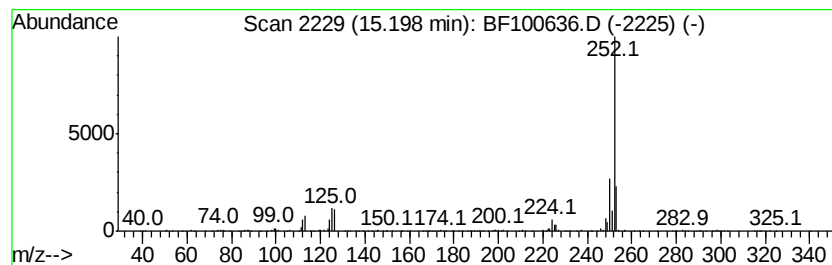
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	8.52 ng	288986	Perylene-d12	15.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100636.D
Acq On : 16 Nov 2017 17:47
Operator : SJ/JU
Sample : I6305-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

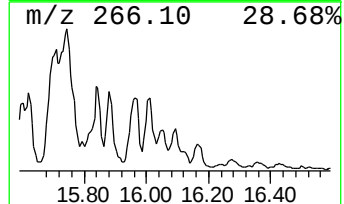
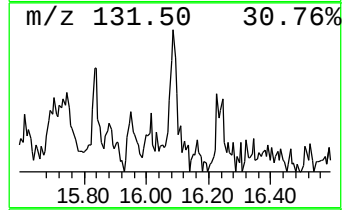
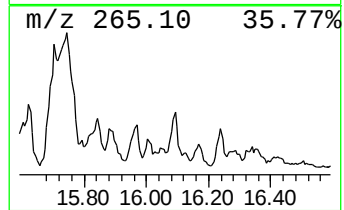
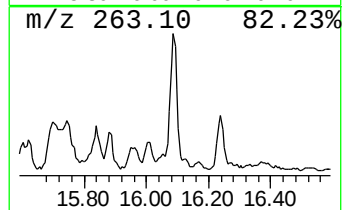
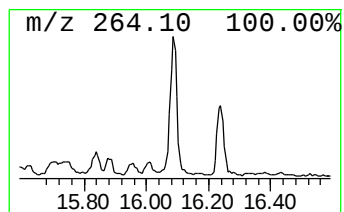
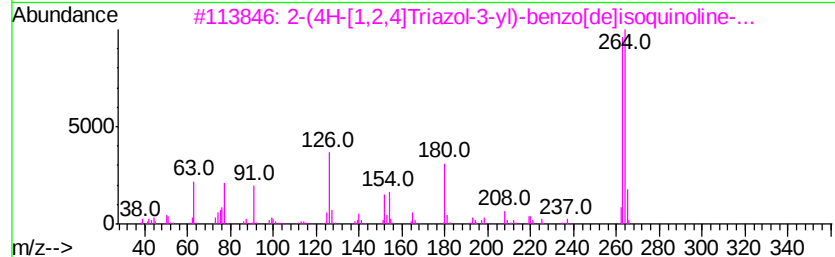
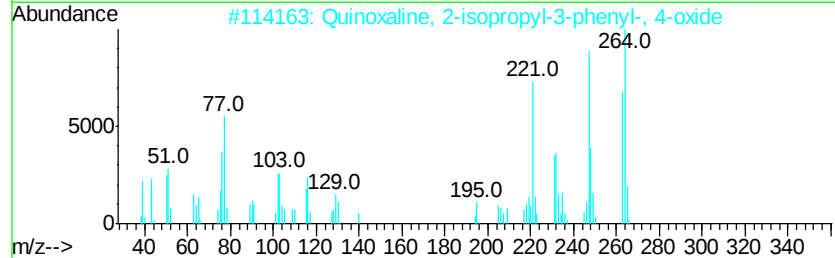
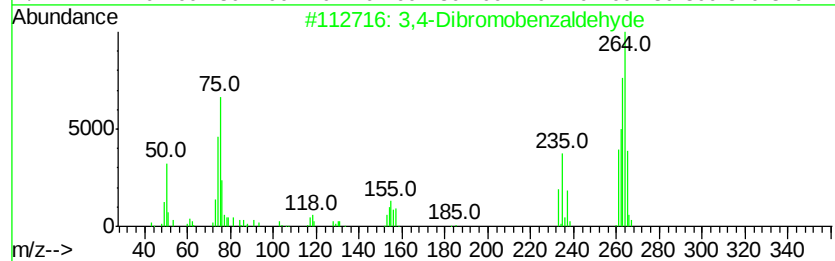
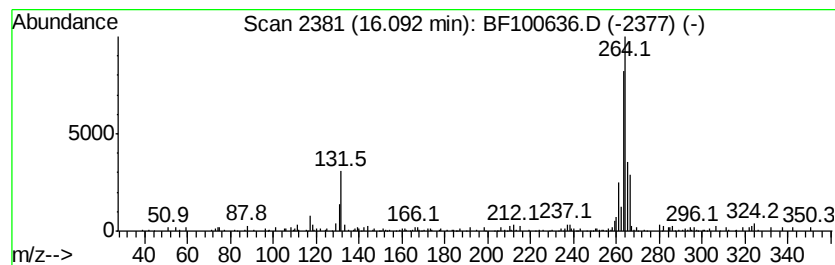
Instrument :
BNA_F
ClientSampleId :
PL-01-111317-D

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4-Dibromobenzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	4.72 ng	160130	Perylene-d12	15.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7 58
2	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7 47
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6 40
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0 27
5	3-Chloro-1-diethylamino-7-ethyl-...	292	C15H21ClN4	1000274-36-7 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
 Data File : BF100636.D
 Acq On : 16 Nov 2017 17:47
 Operator : SJ/JU
 Sample : I6305-09 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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...	5.10	6.9 ng		212429	1	6.88	618403	20.0
unknown6.65	6.65	37.1 ng		1146560	1	6.88	618403	20.0
Naphthalene, 1-me...	8.97	4.9 ng		187098	2	8.16	767240	20.0
Naphthalene, 2,7-...	9.57	5.8 ng		197229	3	9.92	674473	20.0
Benzophenone	10.62	8.4 ng		284468	3	9.92	674473	20.0
9H-Fluorene, 2-me...	11.01	7.0 ng		232531	4	11.40	659652	20.0
Dibenzothiophene	11.30	8.7 ng		285818	4	11.40	659652	20.0
Phenanthrene, 2-m...	11.90	15.9 ng		523817	4	11.40	659652	20.0
Anthracene, 2-met...	11.93	17.1 ng		562962	4	11.40	659652	20.0
Phenanthrene, 1-m...	11.98	7.7 ng		253528	4	11.40	659652	20.0
4H-Cyclopenta[def...	12.02	31.0 ng		1023100	4	11.40	659652	20.0
Naphthalene, 2-ph...	12.20	8.6 ng		284352	4	11.40	659652	20.0
Phenanthrene, 2,5...	12.46	12.6 ng		413993	4	11.40	659652	20.0
9,10-Bis(bromomet...	12.49	11.3 ng		373587	4	11.40	659652	20.0
Cyclopenta(def)ph...	12.54	6.5 ng		215219	4	11.40	659652	20.0
11H-Benzo[b]fluorene	13.17	5.2 ng		696477	5	14.04	2682200	20.0
Benzo[e]pyrene	15.20	8.5 ng		288986	6	15.53	678209	20.0
3,4-Dibromobenzal...	16.09	4.7 ng		160130	6	15.53	678209	20.0