

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070318\
 Data File : BF107093.D
 Acq On : 3 Jul 2018 20:18
 Operator : JU/SJ
 Sample : J3840-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

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-BF061918.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.707	398	403	408	rBB	204945	215502	17.99%	1.163%
2	5.190	481	485	499	rBV	95266	115765	9.66%	0.625%
3	5.601	551	555	572	rBV	1033737	974773	81.35%	5.260%
4	6.601	721	725	738	rBV	964893	1018342	84.99%	5.495%
5	6.737	744	748	751	rBV	1089661	971505	81.08%	5.242%
6	6.954	782	785	789	rBV	365695	292975	24.45%	1.581%
7	7.113	808	812	815	rBV	887625	753276	62.87%	4.065%
8	7.519	877	881	894	rBV	560637	543673	45.37%	2.934%
9	8.242	1000	1004	1006	rBV	309222	302847	25.28%	1.634%
10	9.054	1139	1142	1146	rBB	16479	13845	1.16%	0.075%
11	9.313	1182	1186	1194	rBV	988847	892334	74.47%	4.815%
12	9.654	1239	1244	1247	rBV	20157	19676	1.64%	0.106%
13	9.701	1250	1252	1259	rVB	168214	158527	13.23%	0.855%
14	9.860	1275	1279	1284	rBV	46662	41181	3.44%	0.222%
15	10.001	1299	1303	1306	rBV	325956	313782	26.19%	1.693%
16	10.030	1306	1308	1314	rVB	80039	62713	5.23%	0.338%
17	10.207	1333	1338	1341	rBV2	36046	41118	3.43%	0.222%
18	10.401	1368	1371	1373	rBV	19017	15844	1.32%	0.085%
19	10.548	1392	1396	1402	rVB2	57118	56872	4.75%	0.307%
20	10.701	1420	1422	1426	rVB	24937	24111	2.01%	0.130%
21	10.795	1434	1438	1444	rBV	683038	630930	52.66%	3.404%
22	11.095	1486	1489	1492	rBV2	20657	19096	1.59%	0.103%
23	11.219	1505	1510	1512	rBV3	16496	18081	1.51%	0.098%
24	11.248	1512	1515	1519	rVV2	19163	24949	2.08%	0.135%
25	11.301	1519	1524	1526	rVV	37513	36908	3.08%	0.199%
26	11.330	1526	1529	1536	rVV4	25356	46289	3.86%	0.250%
27	11.389	1536	1539	1545	rVB	47516	41259	3.44%	0.223%
28	11.495	1553	1557	1559	rBV	426925	397165	33.15%	2.143%
29	11.519	1559	1561	1565	rVV	908729	744717	62.15%	4.018%
30	11.572	1565	1570	1574	rVV	197781	178065	14.86%	0.961%
31	11.607	1574	1576	1580	rVB4	11893	14789	1.23%	0.080%
32	11.730	1592	1597	1600	rBV2	56899	68273	5.70%	0.368%
33	11.783	1604	1606	1608	rVV	27820	21899	1.83%	0.118%
34	11.830	1611	1614	1618	rVB4	17206	20980	1.75%	0.113%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

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Stop Thrs : 0

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Max Peaks: 100

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.919	1625	1629	1632	rVB2	11335	14067	1.17%	0.076%
36	11.995	1639	1642	1644	rBV	115296	98963	8.26%	0.534%
37	12.024	1644	1647	1650	rVB	157140	129707	10.83%	0.700%
38	12.072	1650	1655	1658	rBV	57682	51531	4.30%	0.278%
39	12.113	1658	1662	1664	rVV2	143371	165384	13.80%	0.892%
40	12.130	1664	1665	1668	rVB	82734	52708	4.40%	0.284%
41	12.289	1689	1692	1695	rVB	117717	94467	7.88%	0.510%
42	12.324	1695	1698	1702	rBV	71089	60703	5.07%	0.328%
43	12.442	1712	1718	1721	rBV2	32699	37939	3.17%	0.205%
44	12.471	1721	1723	1725	rVV	31547	22760	1.90%	0.123%
45	12.495	1725	1727	1730	rVB	35720	26600	2.22%	0.144%
46	12.548	1732	1736	1739	rBV	81848	89020	7.43%	0.480%
47	12.583	1739	1742	1744	rVV2	38830	48274	4.03%	0.260%
48	12.607	1744	1746	1748	rVV	28008	22883	1.91%	0.123%
49	12.642	1748	1752	1756	rVB2	64766	72301	6.03%	0.390%
50	12.719	1760	1765	1768	rBV	1254333	1138260	95.00%	6.142%
51	12.777	1772	1775	1778	rVB	31527	30101	2.51%	0.162%
52	12.813	1778	1781	1783	rBV	46820	41031	3.42%	0.221%
53	12.866	1783	1790	1792	rVV3	49814	70842	5.91%	0.382%
54	12.889	1792	1794	1797	rVV4	16792	15297	1.28%	0.083%
55	12.924	1797	1800	1802	rVV2	220477	256179	21.38%	1.382%
56	12.948	1802	1804	1808	rVV	1036303	984264	82.15%	5.311%
57	12.989	1808	1811	1816	rVB2	67824	71902	6.00%	0.388%
58	13.077	1816	1826	1829	rBV	1280215	1198201	100.00%	6.465%
59	13.107	1829	1831	1835	rVB	47990	44933	3.75%	0.242%
60	13.166	1835	1841	1845	rBV3	71059	124817	10.42%	0.673%
61	13.201	1845	1847	1851	rBV3	13014	20132	1.68%	0.109%
62	13.248	1851	1855	1856	rBV2	53474	56839	4.74%	0.307%
63	13.271	1856	1859	1862	rVB2	108294	122438	10.22%	0.661%
64	13.336	1867	1870	1873	rBV	46965	42450	3.54%	0.229%
65	13.377	1873	1877	1880	rVV2	84237	104368	8.71%	0.563%
66	13.430	1884	1886	1890	rBV3	22576	20900	1.74%	0.113%
67	13.471	1890	1893	1896	rBV	56900	52401	4.37%	0.283%
68	13.501	1896	1898	1901	rVV2	55174	50754	4.24%	0.274%
69	13.530	1901	1903	1907	rVB4	21371	19025	1.59%	0.103%
70	13.583	1910	1912	1916	rVB2	15659	18252	1.52%	0.098%
71	13.624	1916	1919	1921	rBV2	35308	31621	2.64%	0.171%

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Integration Parameters: rteint.p
 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	13.648	1921	1923	1925	rBV2	13268	14260	1.19%	0.077%
73	13.695	1929	1931	1933	rBV	21254	17805	1.49%	0.096%
74	13.754	1939	1941	1944	rBV4	12582	12538	1.05%	0.068%
75	13.789	1944	1947	1951	rVV	80869	76927	6.42%	0.415%
76	13.895	1960	1965	1967	rBV	82485	86155	7.19%	0.465%
77	13.918	1967	1969	1972	rVV	86667	79825	6.66%	0.431%
78	13.954	1972	1975	1980	rVV3	161530	206665	17.25%	1.115%
79	13.995	1980	1982	1987	rVB	70651	66303	5.53%	0.358%
80	14.066	1989	1994	2000	rBV3	23882	60082	5.01%	0.324%
81	14.142	2003	2007	2011	rVV2	538367	852204	71.12%	4.598%
82	14.177	2011	2013	2016	rVV	421450	338794	28.28%	1.828%
83	14.224	2019	2021	2024	rVB3	16886	17633	1.47%	0.095%
84	14.260	2024	2027	2032	rBV2	66696	96832	8.08%	0.522%
85	14.307	2032	2035	2036	rBV2	23173	23675	1.98%	0.128%
86	14.383	2046	2048	2051	rVB	33720	23406	1.95%	0.126%
87	14.501	2065	2068	2070	rBV	26880	26559	2.22%	0.143%
88	14.542	2072	2075	2077	rVV	57624	54821	4.58%	0.296%
89	14.577	2078	2081	2085	rBV3	55366	75819	6.33%	0.409%
90	14.671	2094	2097	2099	rBV	30362	36631	3.06%	0.198%
91	14.895	2133	2135	2139	rVB2	41230	44117	3.68%	0.238%
92	15.060	2161	2163	2166	rVB3	29527	31214	2.61%	0.168%
93	15.236	2188	2193	2196	rBV	233666	405394	33.83%	2.187%
94	15.348	2208	2212	2216	rBV	46996	63101	5.27%	0.340%
95	15.560	2244	2248	2255	rVB	151904	200355	16.72%	1.081%
96	15.624	2255	2259	2266	rBV	219968	316194	26.39%	1.706%
97	15.689	2266	2270	2274	rVV2	183481	273601	22.83%	1.476%
98	15.724	2274	2276	2282	rVB	65470	89507	7.47%	0.483%
99	17.277	2534	2540	2547	rBV	87333	191403	15.97%	1.033%
100	17.765	2618	2623	2631	rVB2	69617	156755	13.08%	0.846%

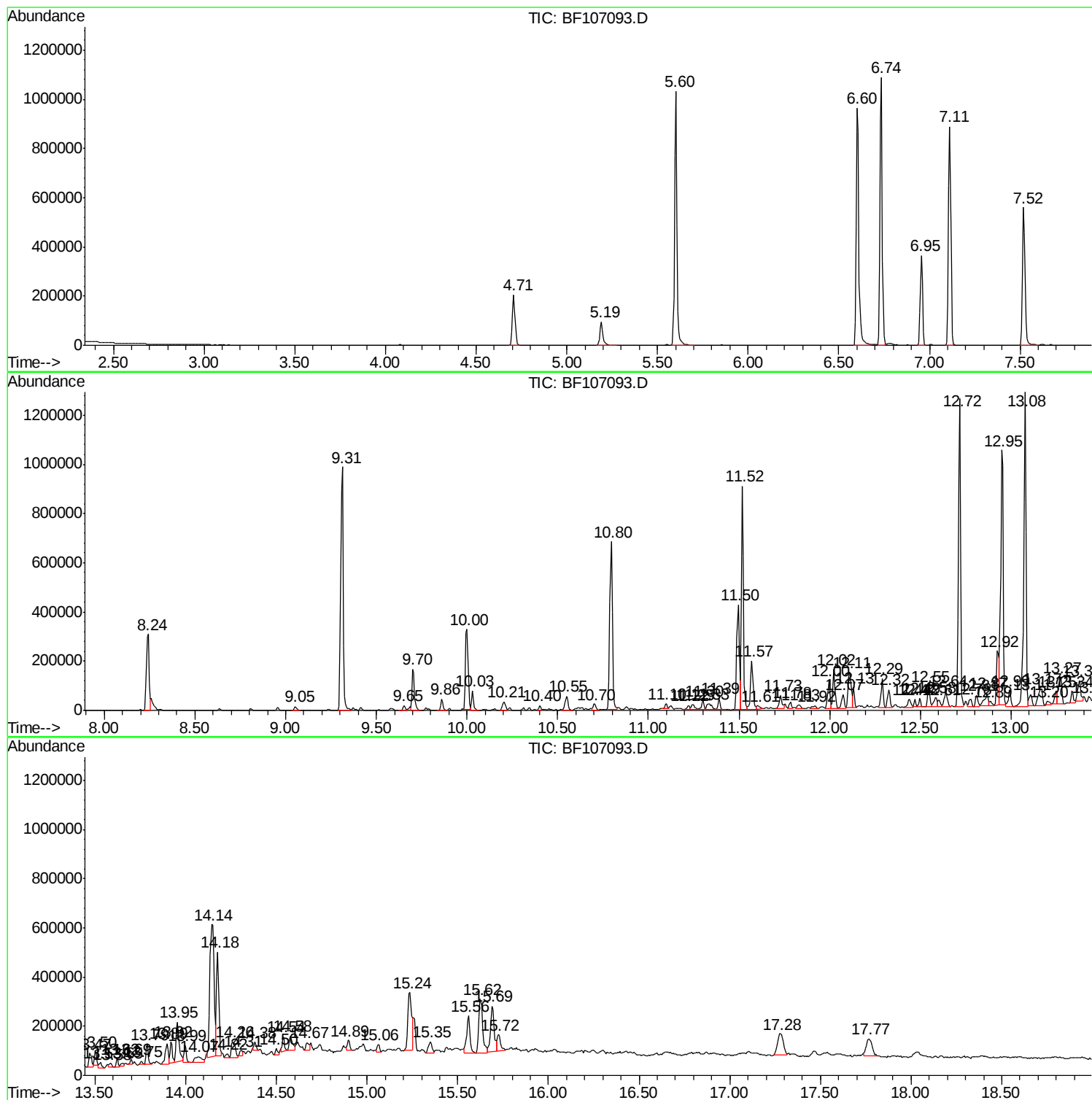
Sum of corrected areas: 18532950

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ClientSampled :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.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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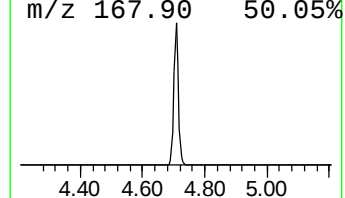
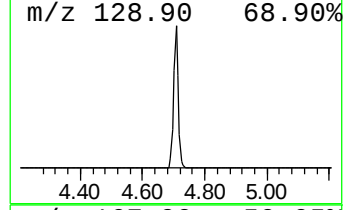
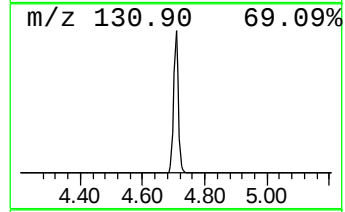
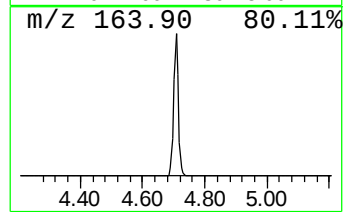
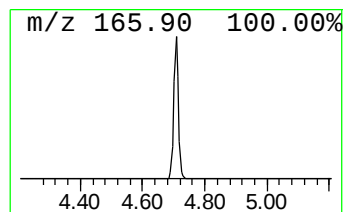
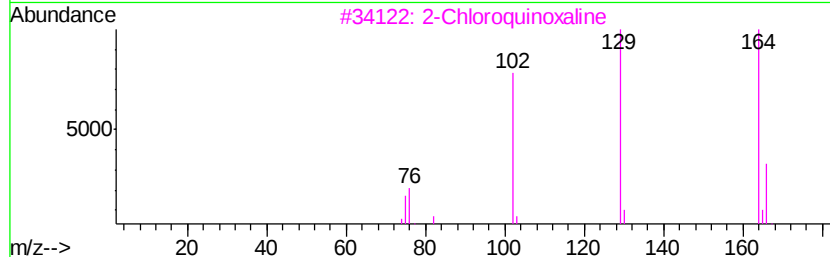
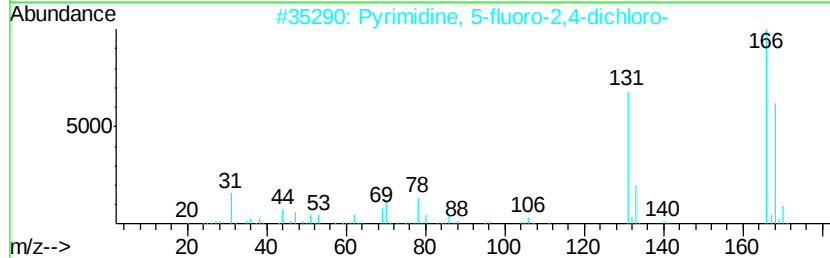
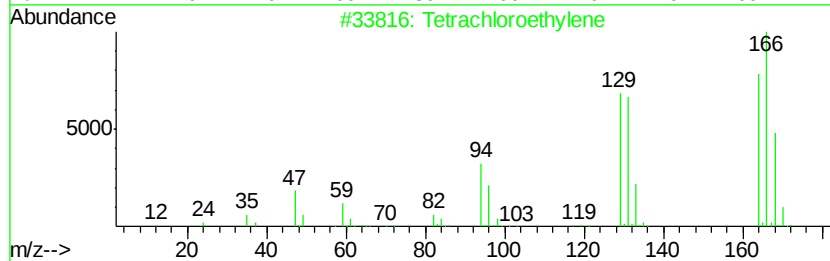
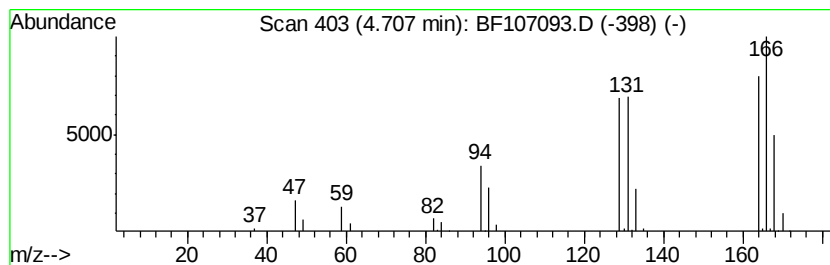
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tetrachloroethylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	14.71 ng	215502	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
2		Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	43
3		2-Chloroquinoxaline	164	C8H5ClN2	001448-87-9	12
4		2,4-Dichloro-6-fluoropyrimidine	166	C4HCl2FN2	003833-57-6	9
5		4,6-Dichloro-2-fluoropyrimidine	166	C4HCl2FN2	003824-45-1	9



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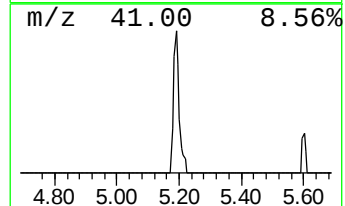
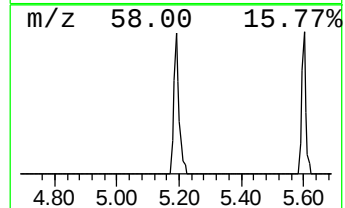
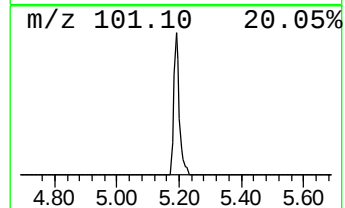
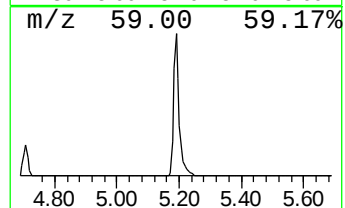
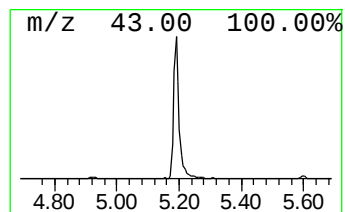
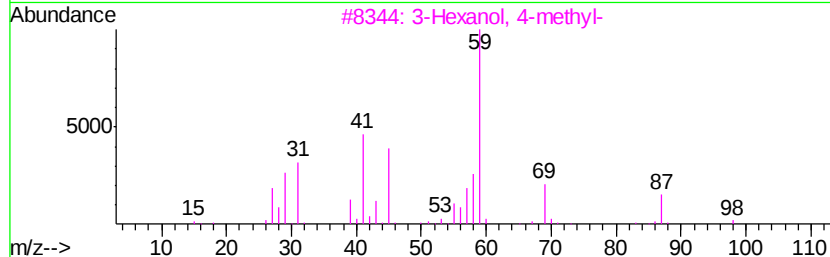
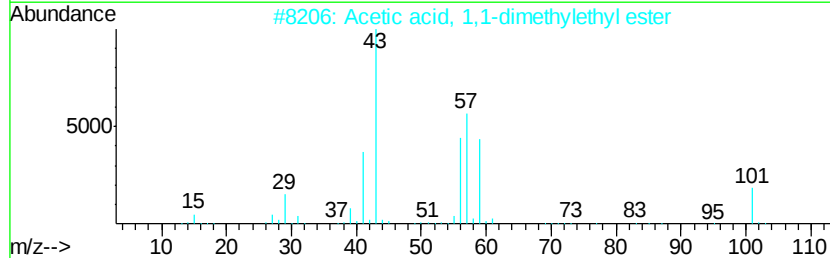
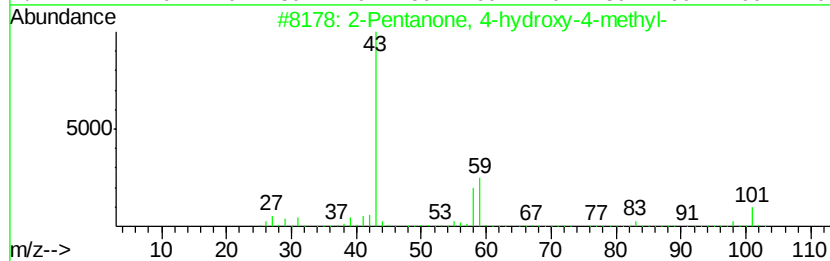
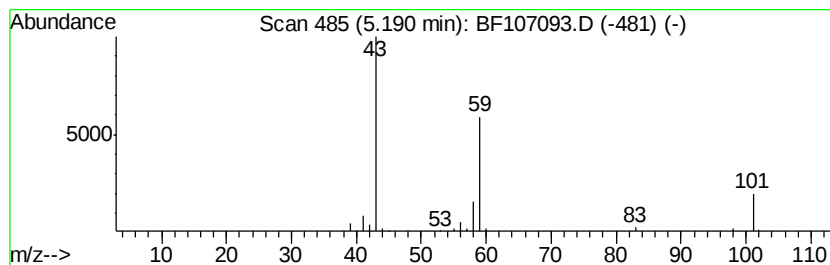
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	7.90 ng	115765	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



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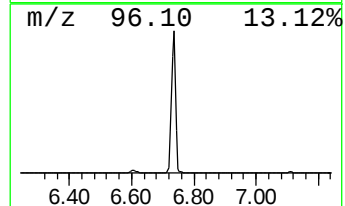
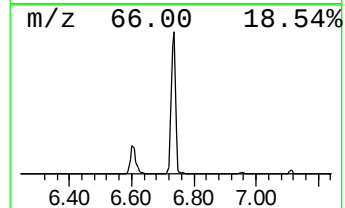
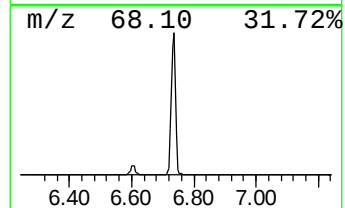
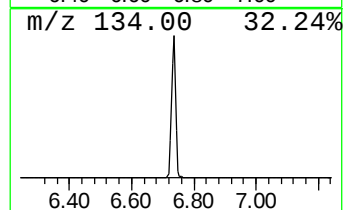
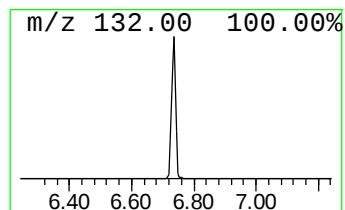
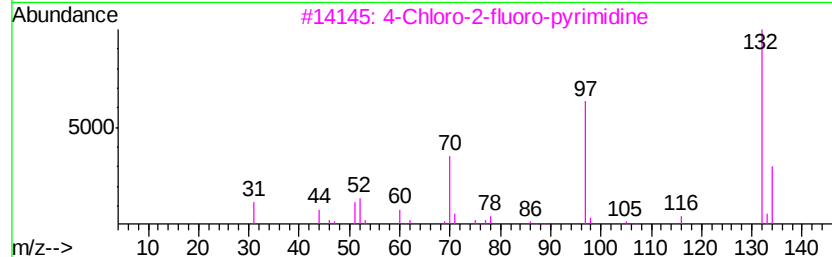
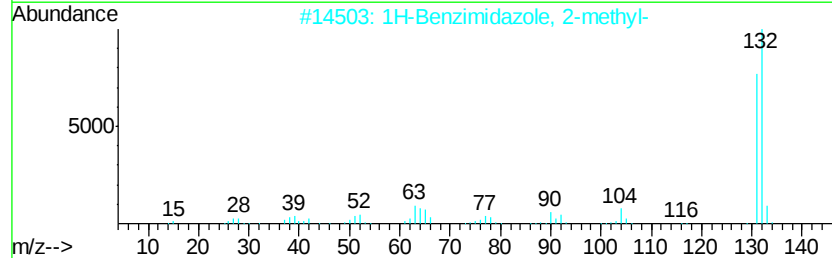
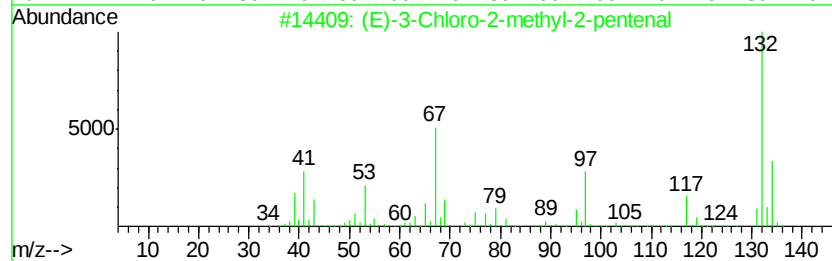
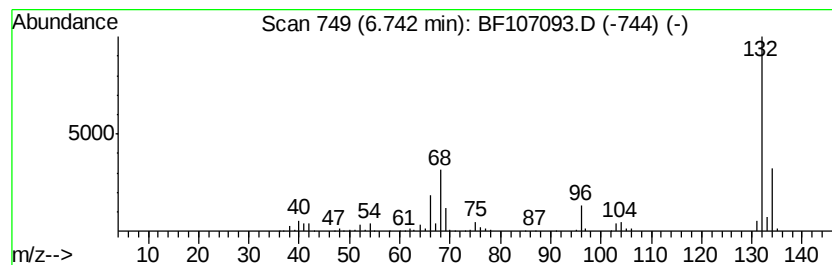
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	66.32 ng	971505	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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Data File : BF107093.D
Acq On : 3 Jul 2018 20:18
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Sample : J3840-03
Misc :
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ClientSampleId :
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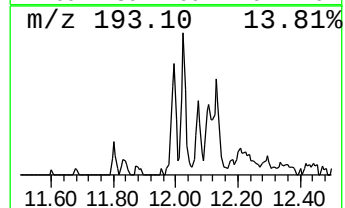
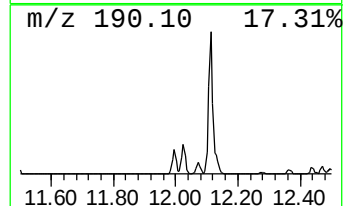
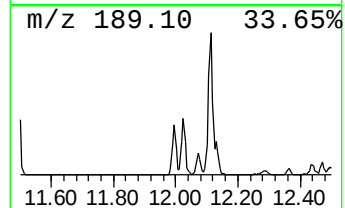
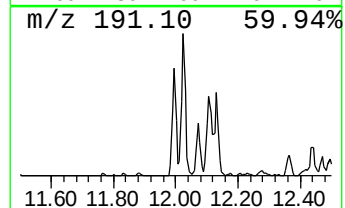
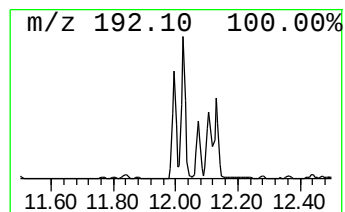
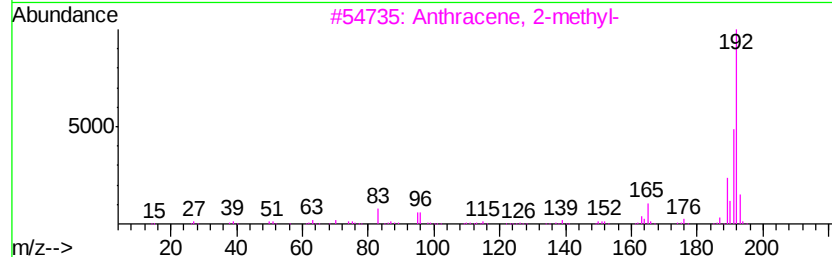
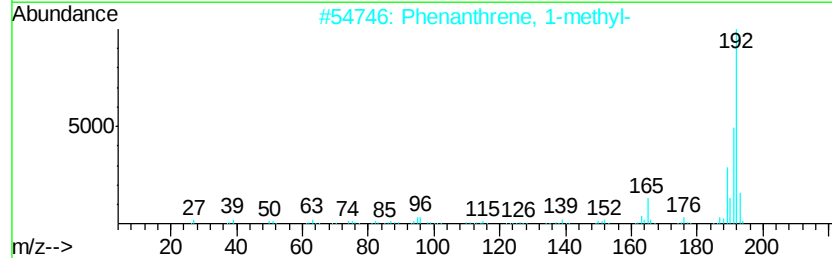
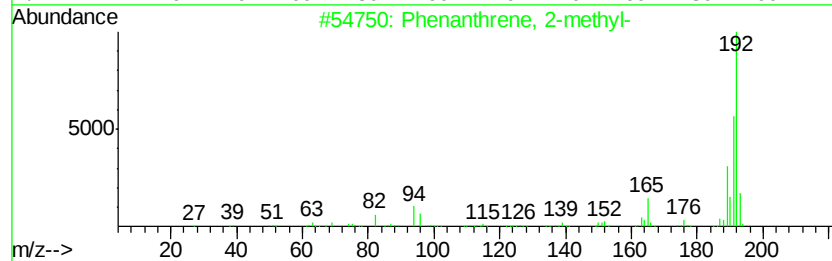
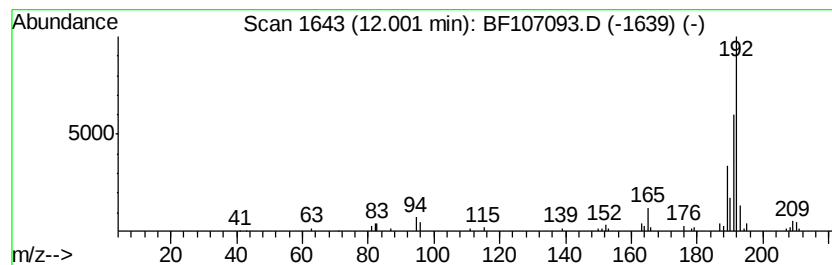
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.98 ng	98963	Phenanthrene-d10	11.50

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	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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ClientSampleId :
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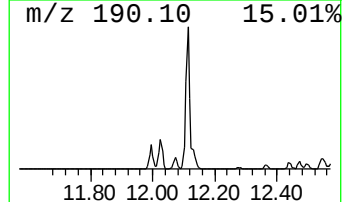
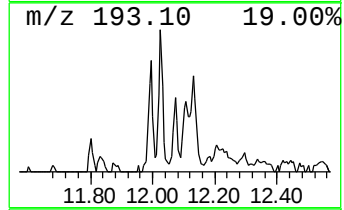
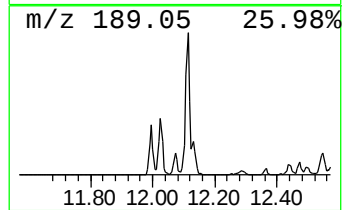
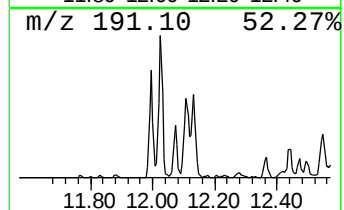
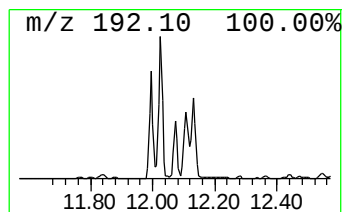
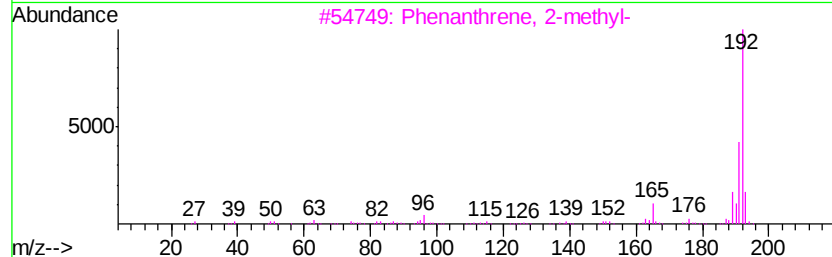
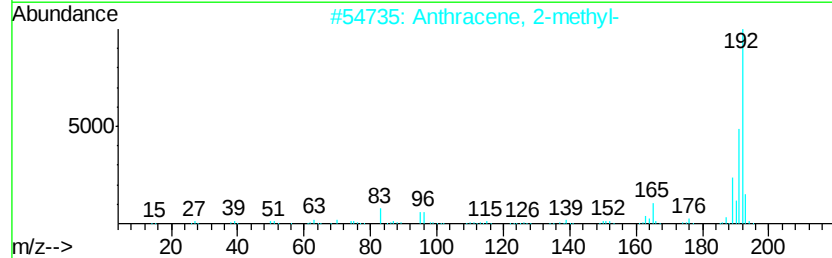
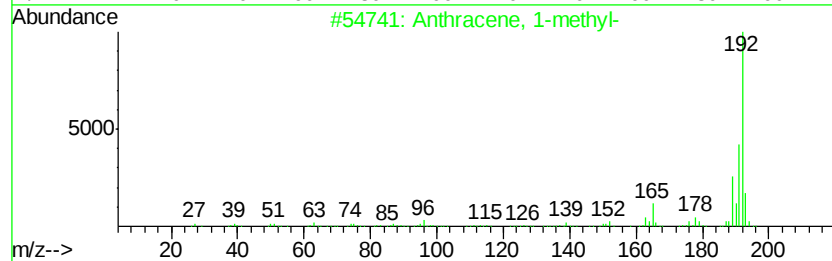
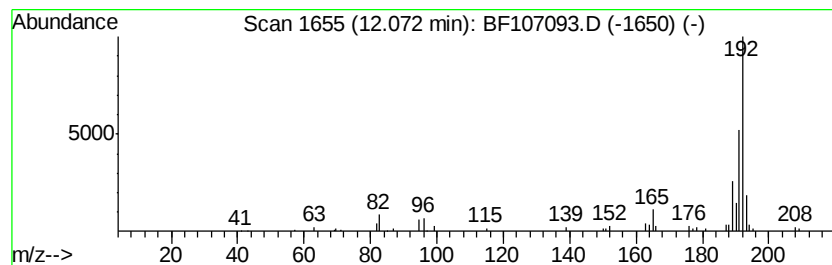
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.59 ng	51531	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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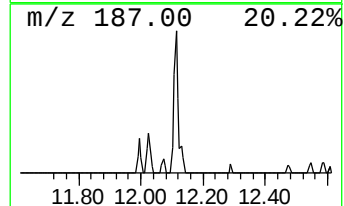
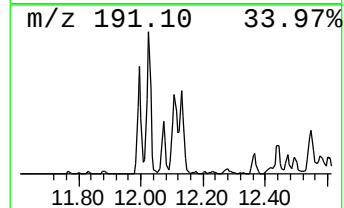
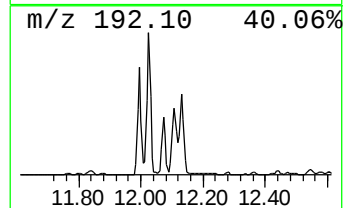
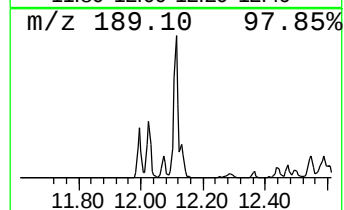
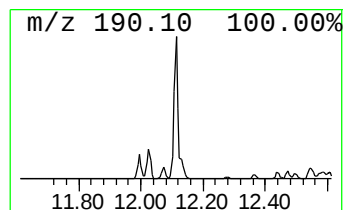
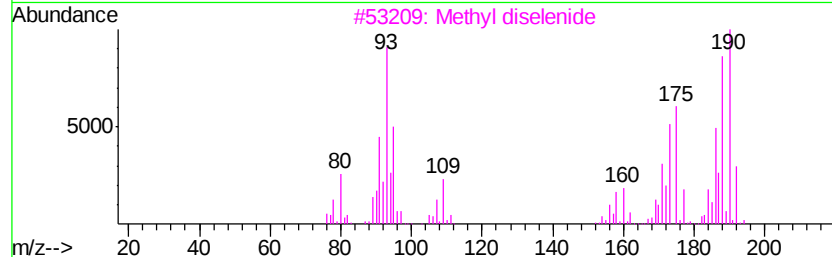
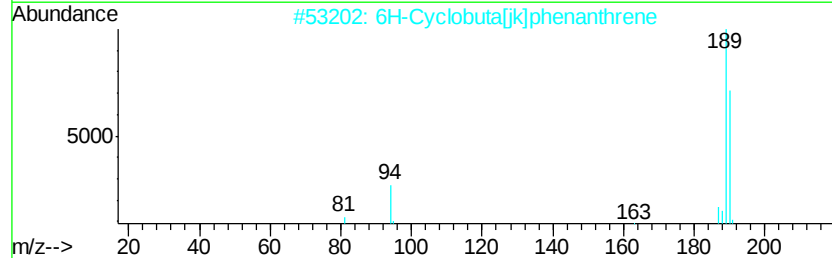
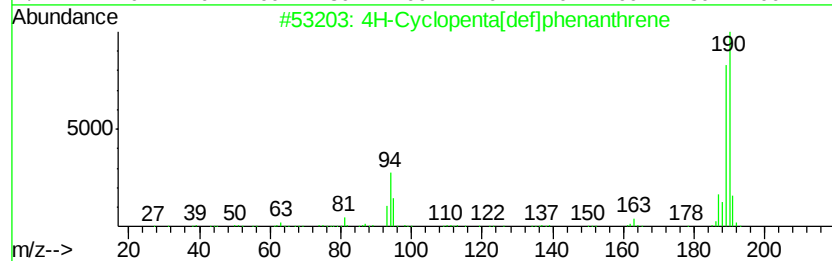
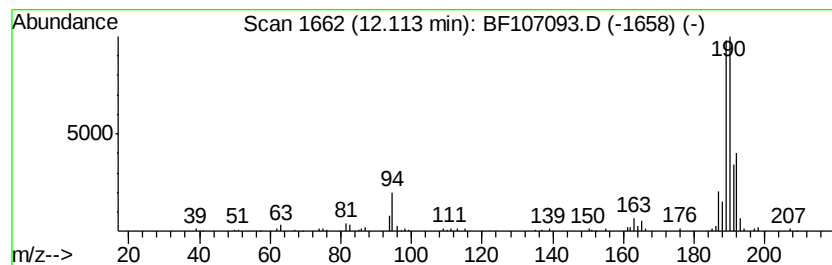
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.33 ng	165384	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	59
3		Methyl diselenide	190	C2H6Se2	007101-31-7	45
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5		4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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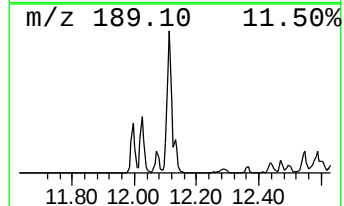
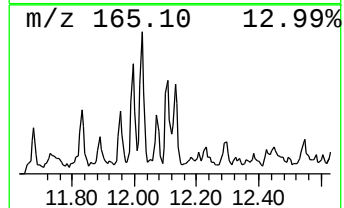
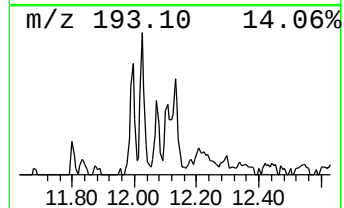
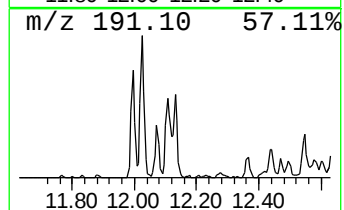
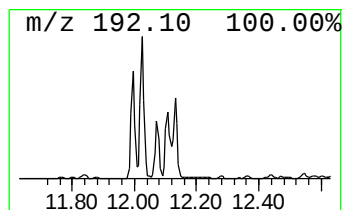
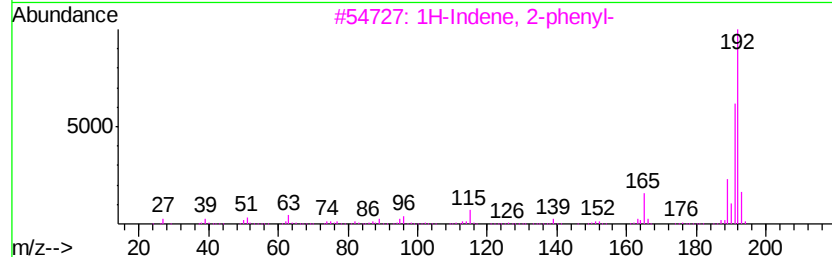
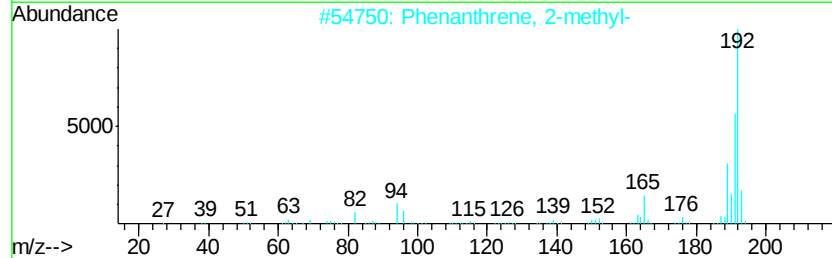
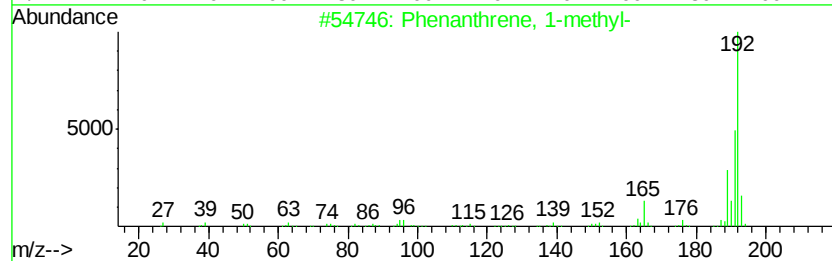
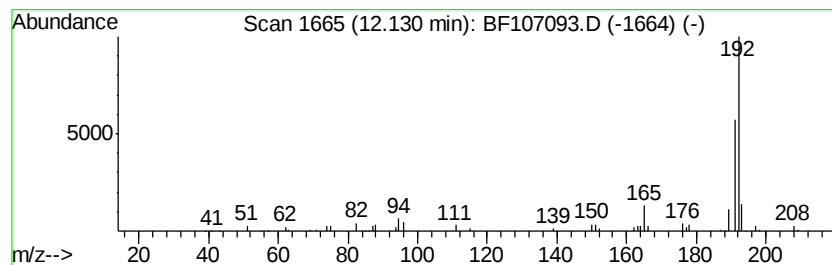
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.65 ng	52708	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	80
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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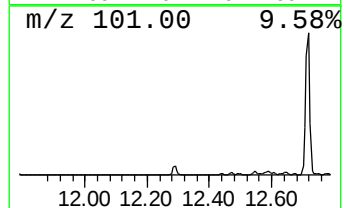
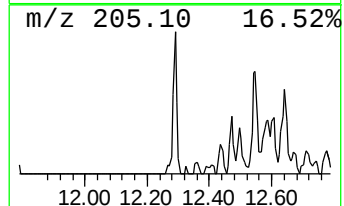
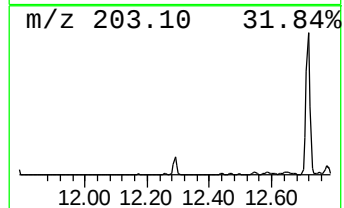
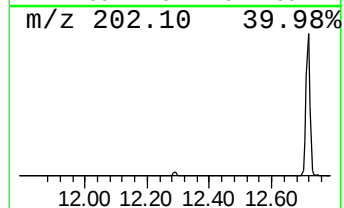
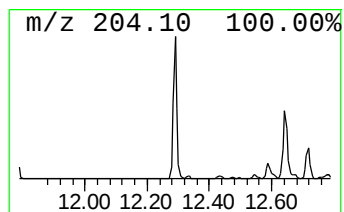
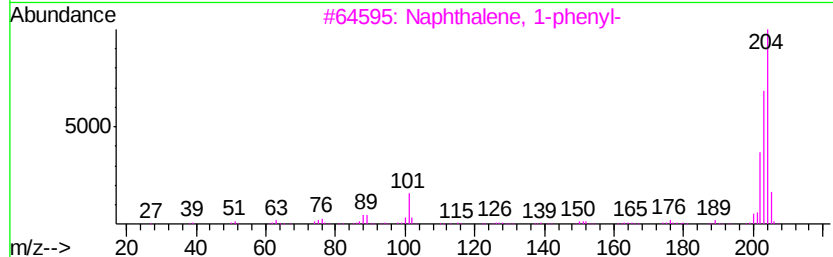
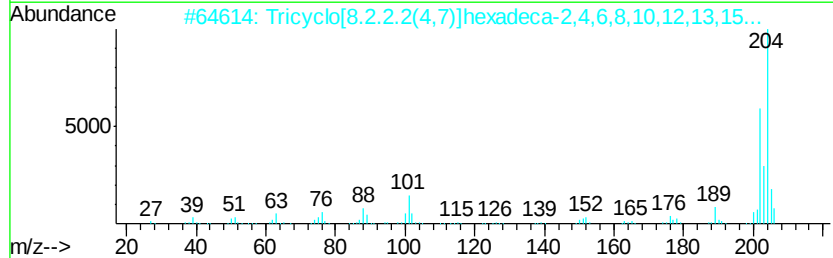
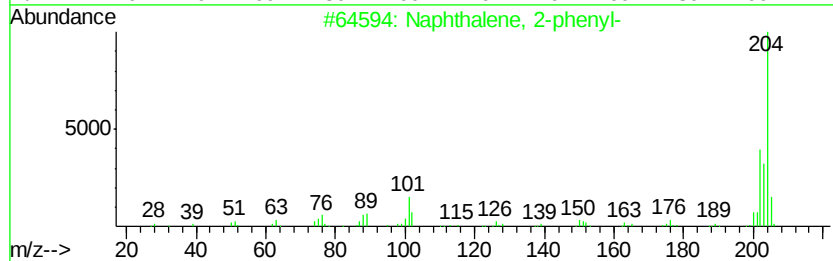
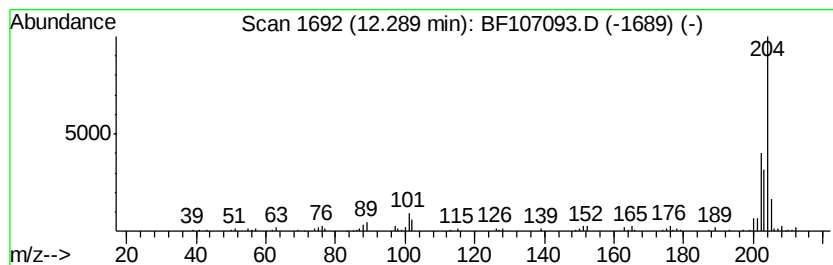
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.76 ng	94467	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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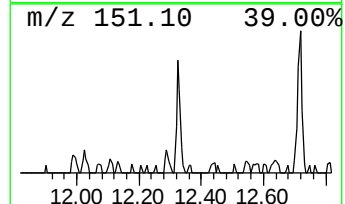
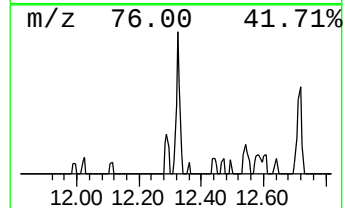
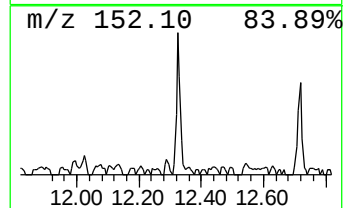
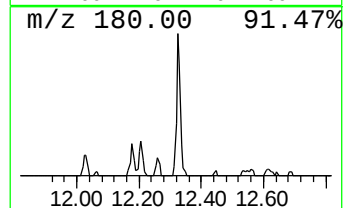
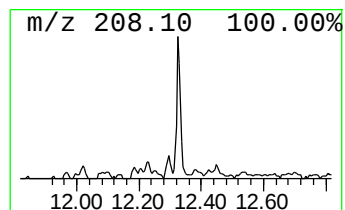
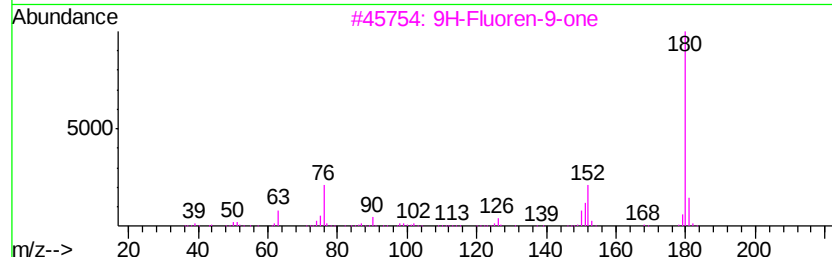
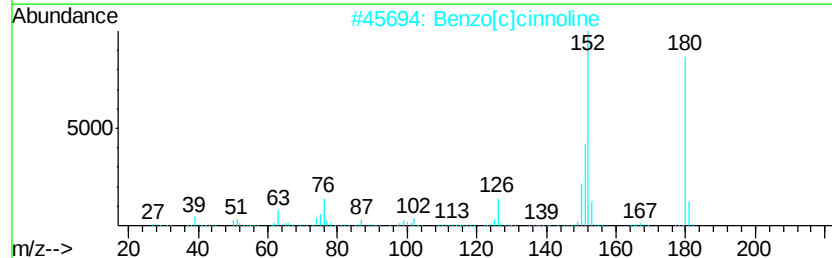
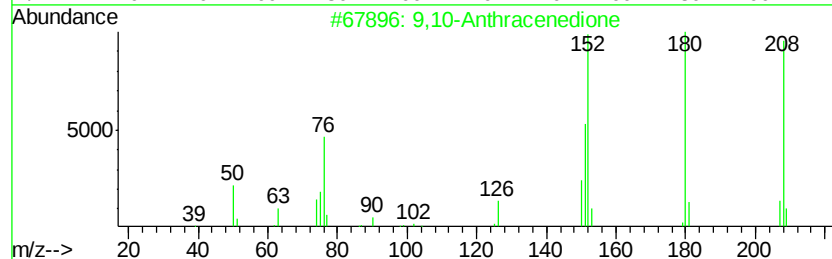
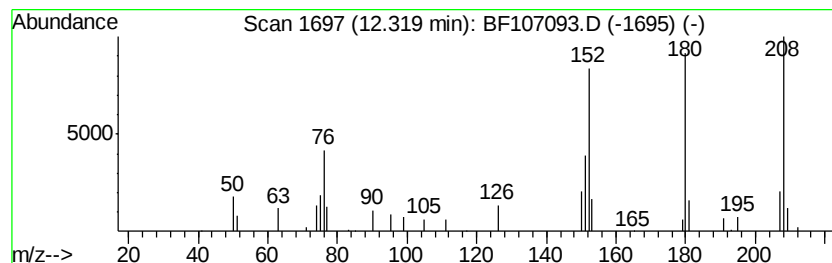
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.06 ng	60703	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5			1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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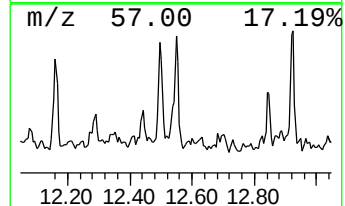
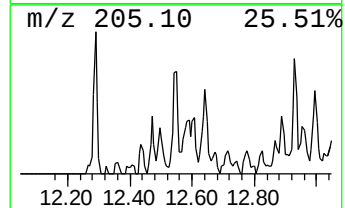
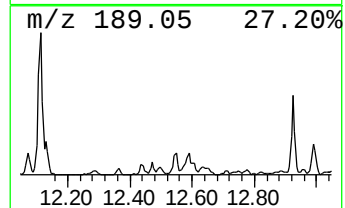
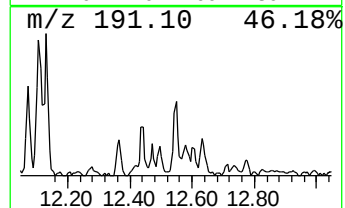
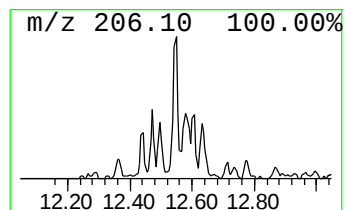
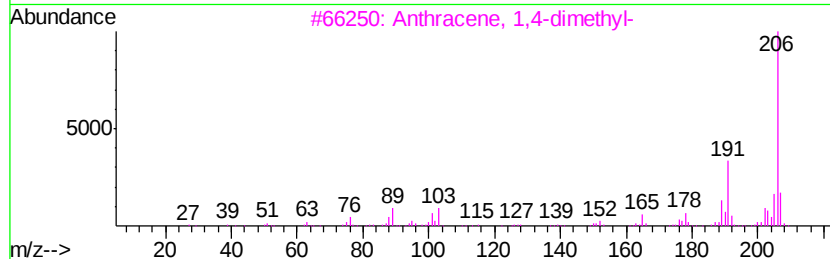
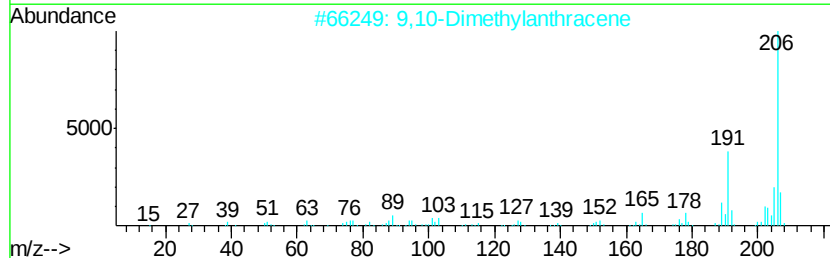
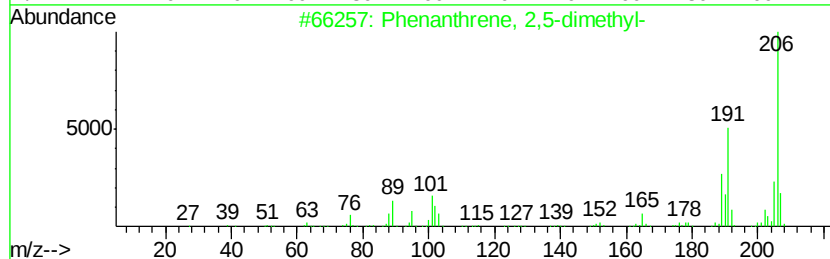
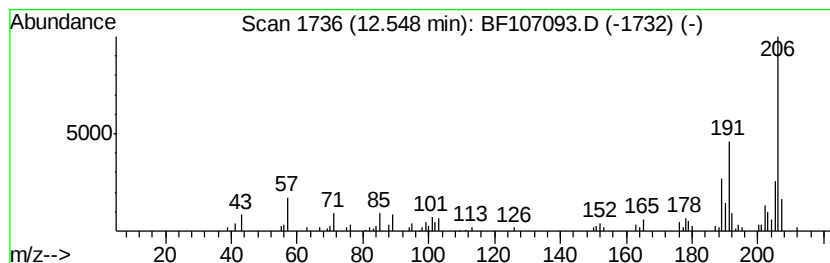
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.48 ng	89020	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107093.D
Acq On : 3 Jul 2018 20:18
Operator : JU/SJ
Sample : J3840-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

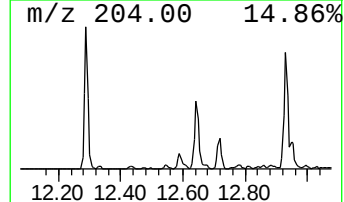
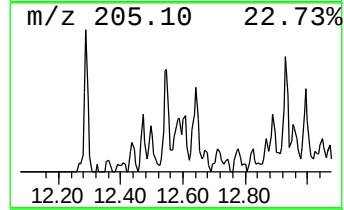
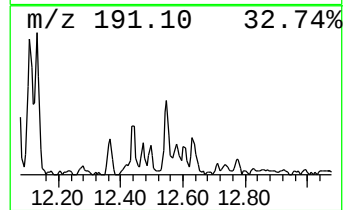
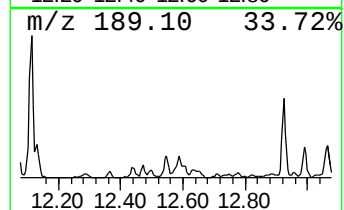
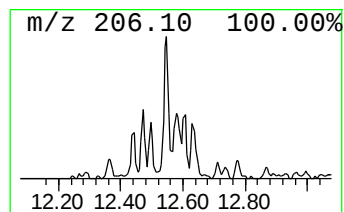
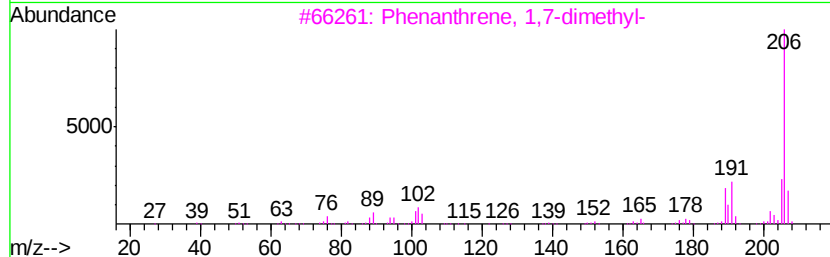
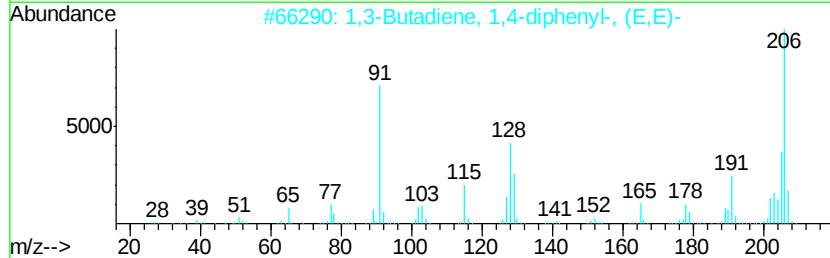
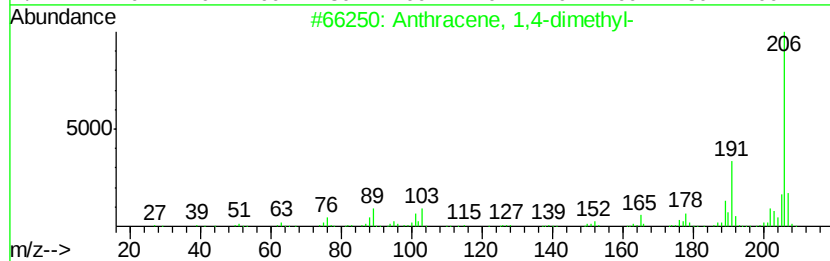
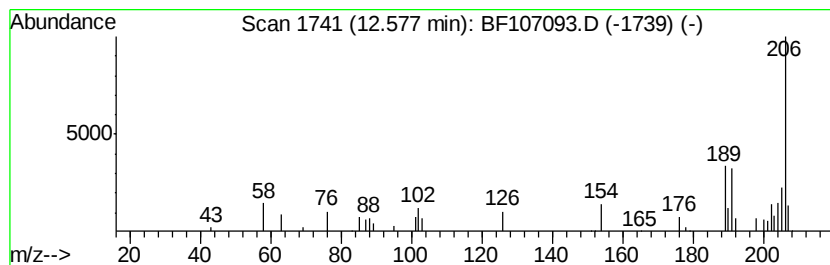
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.43 ng	48274	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50
2			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	45
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	45
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	45
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107093.D
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Operator : JU/SJ
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Misc :
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ClientSampleId :
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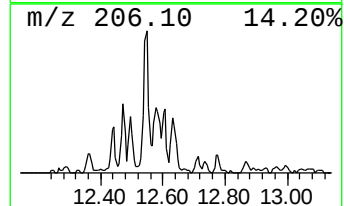
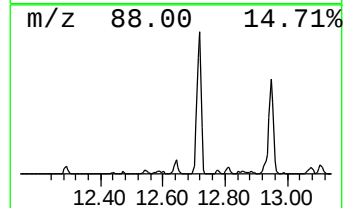
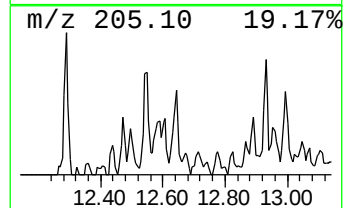
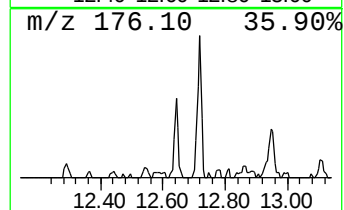
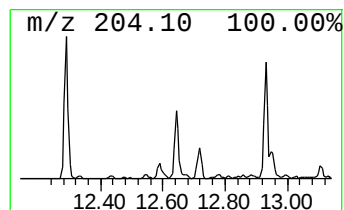
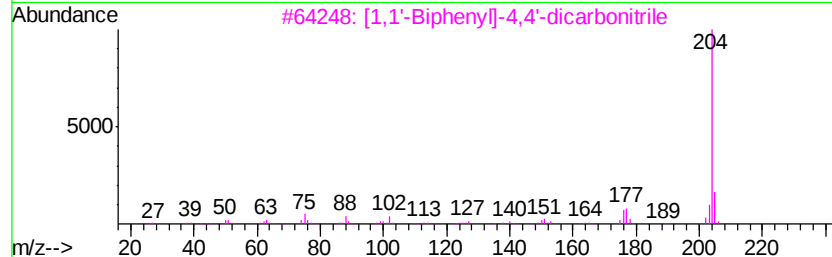
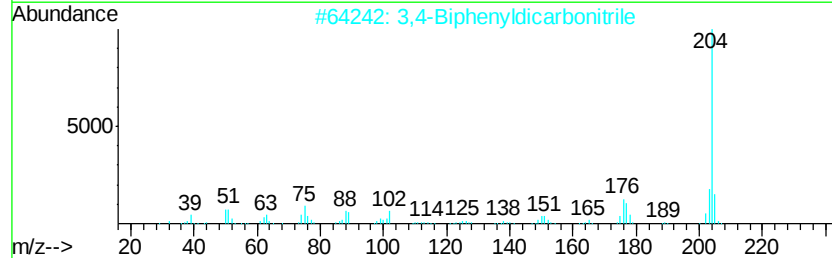
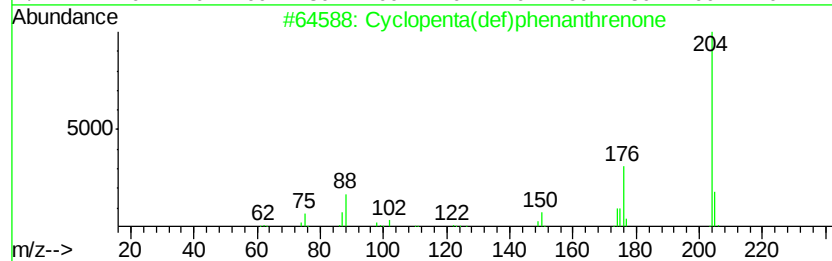
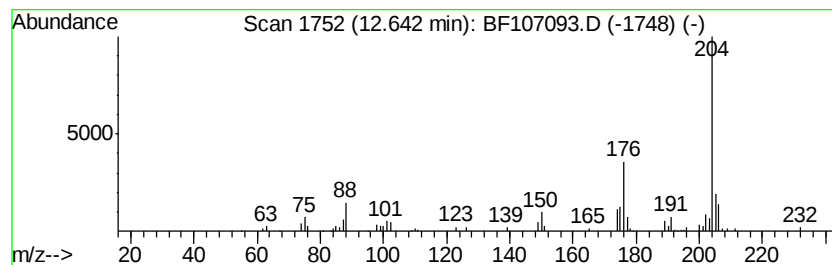
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.64 ng	72301	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrene	204	C15H8O	005737-13-3	96
2			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
5			Ethyl 2,3,4,6-tetrakis-O-(trimet...	496	C20H48O6Si4	1000365-90-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Acq On : 3 Jul 2018 20:18
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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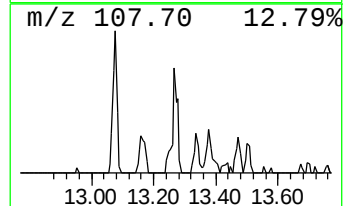
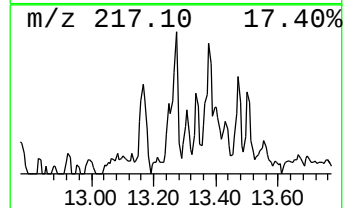
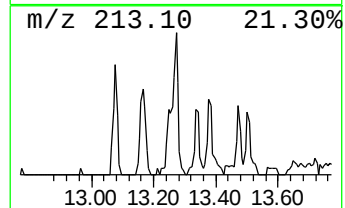
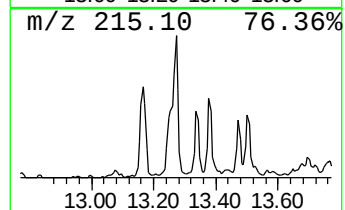
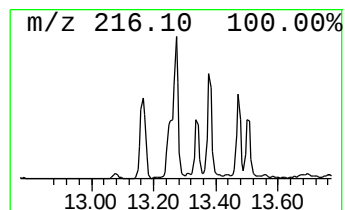
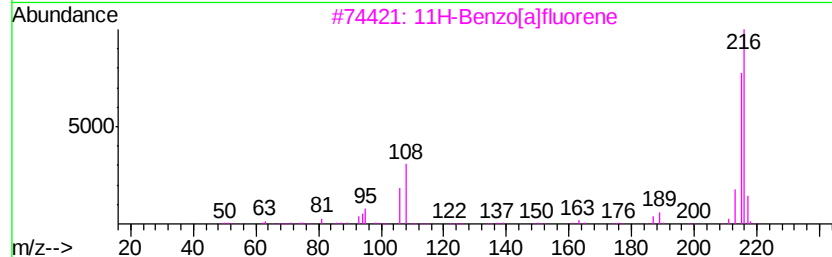
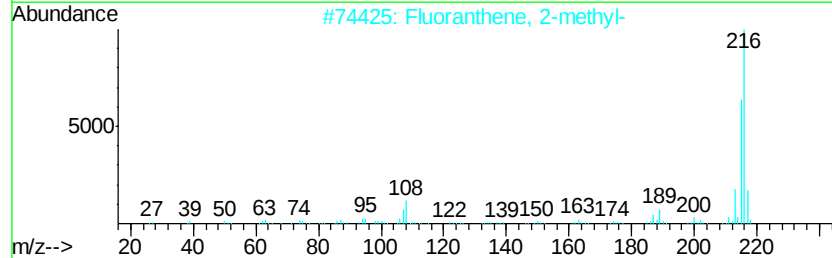
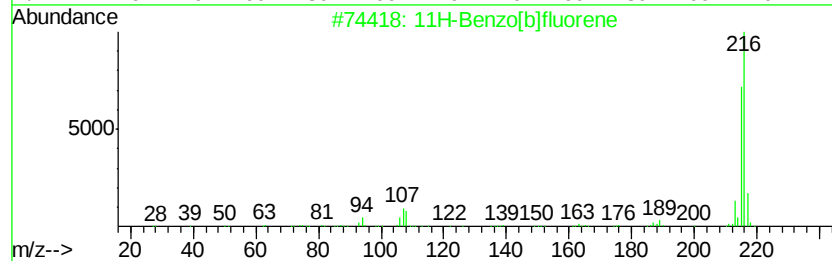
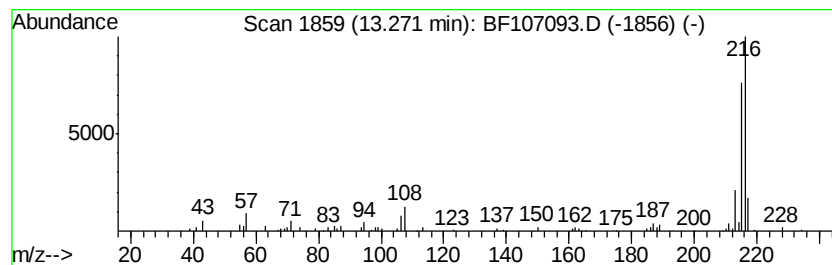
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.87 ng	122438	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	64



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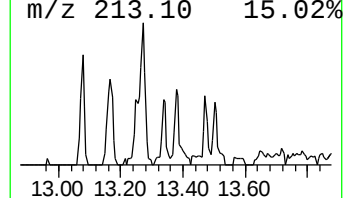
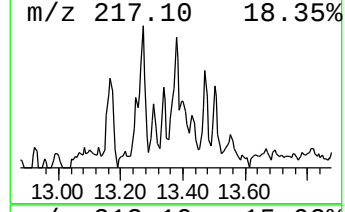
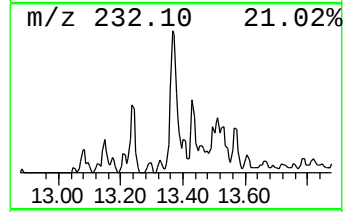
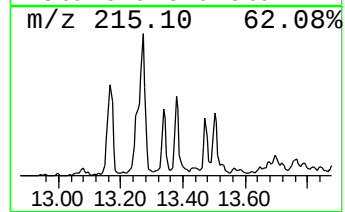
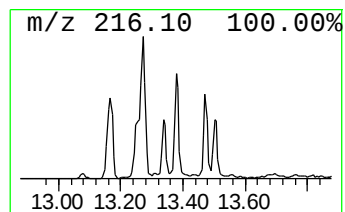
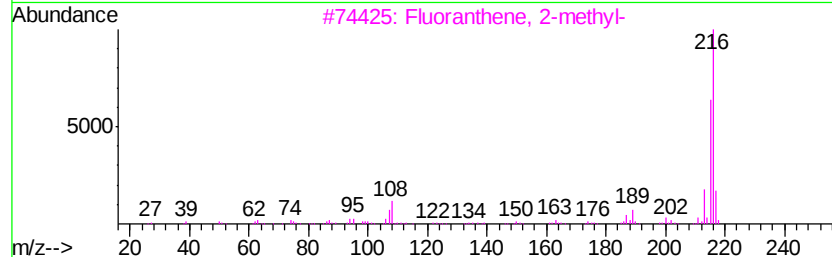
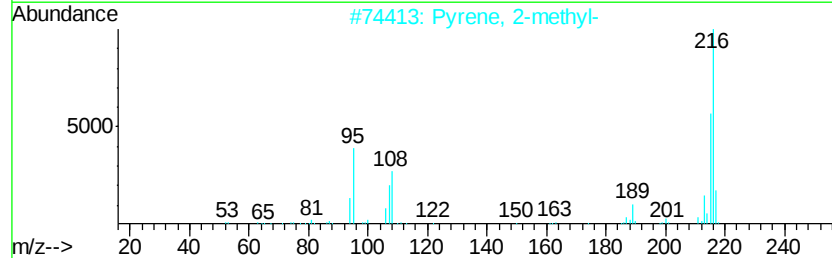
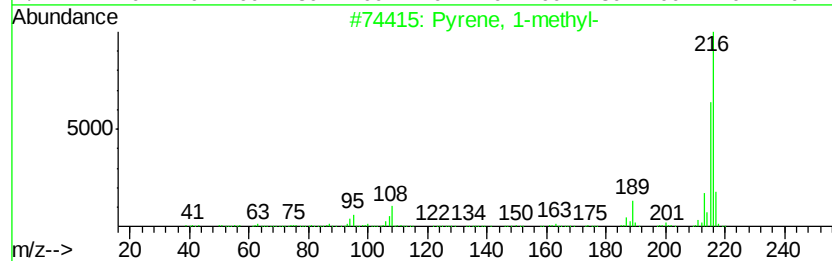
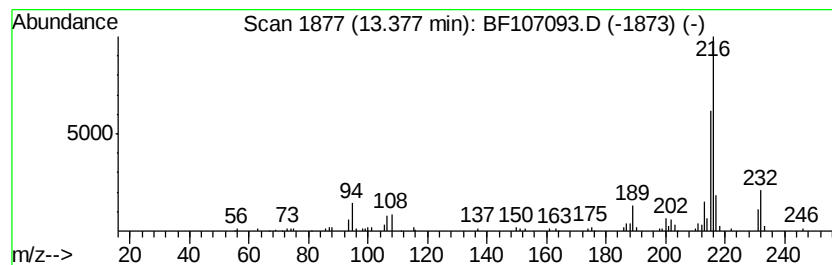
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.45 ng	104368	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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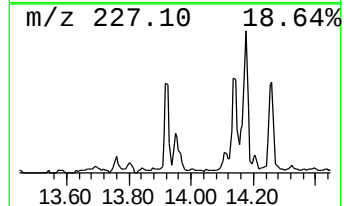
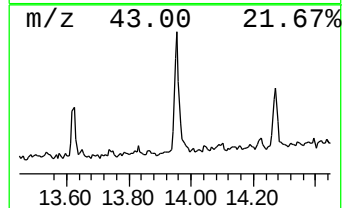
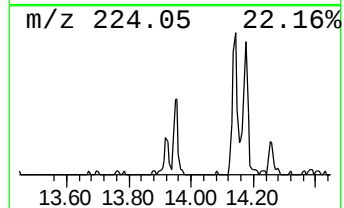
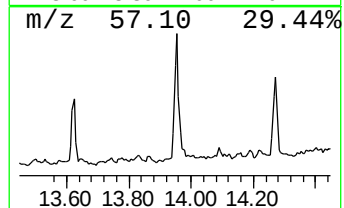
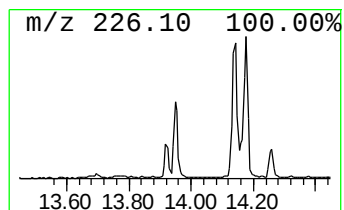
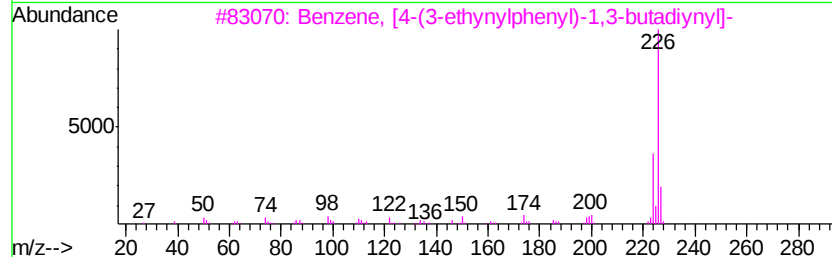
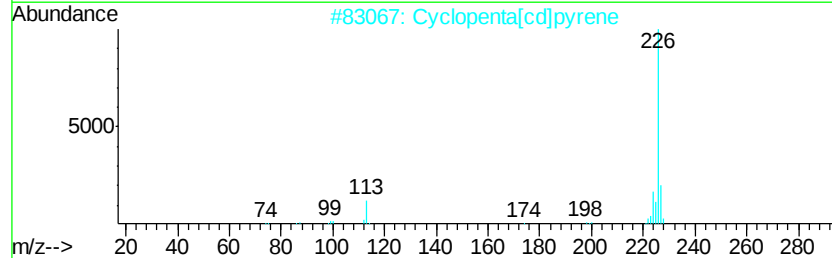
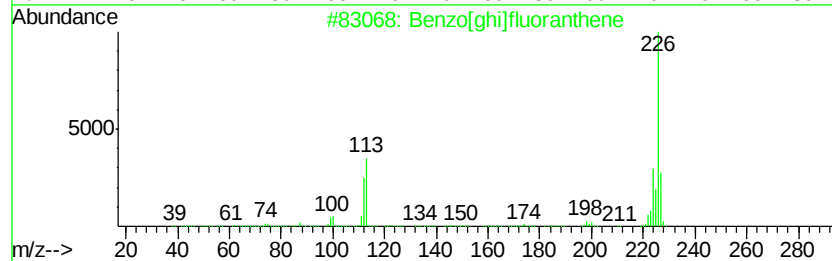
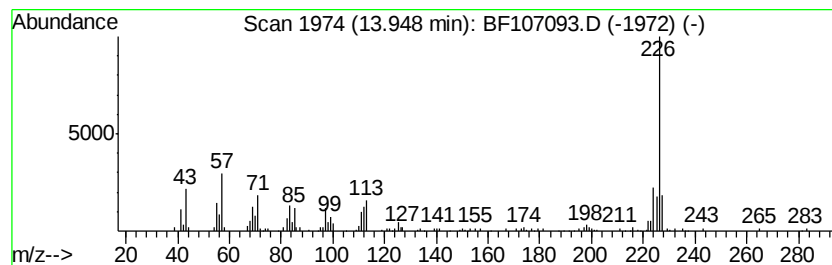
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[ghi]fluoranthene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.95	4.85 ng	206665	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	55
2		Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
3		Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	49
4		Diheptylisobutylamine	269	C18H39N	1000310-32-0	47
5		5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Misc :
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ClientSampleId :
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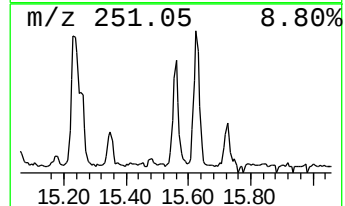
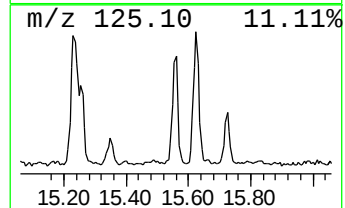
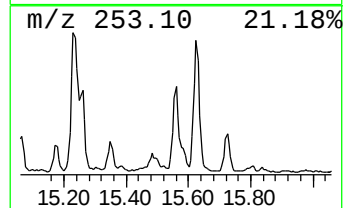
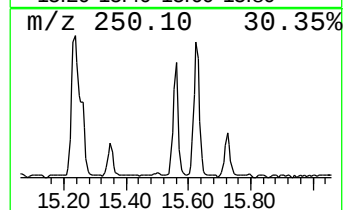
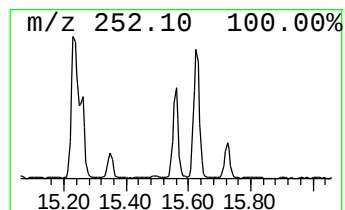
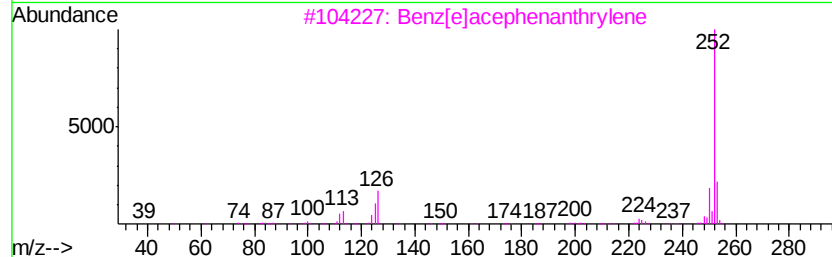
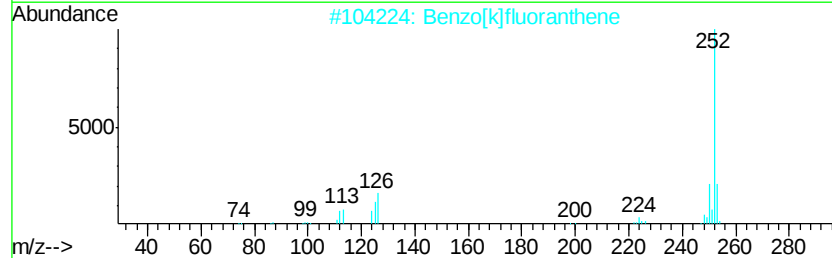
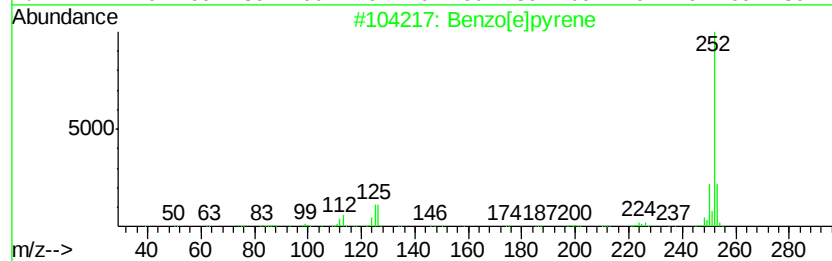
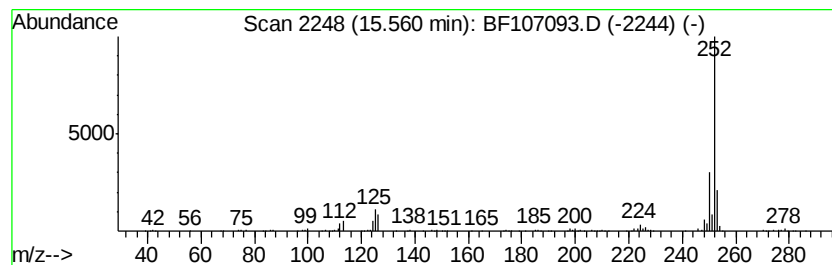
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	14.65 ng	200355	Perylene-d12	15.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
5		Perylene	252	C20H12	000198-55-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070318\
 Data File : BF107093.D
 Acq On : 3 Jul 2018 20:18
 Operator : JU/SJ
 Sample : J3840-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
Tetrachloroethylene	4.71	14.7	ng	215502	1	6.95	292975	20.0
2-Pentanone, 4-hy...	5.19	7.9	ng	115765	1	6.95	292975	20.0
unknown6.74	6.74	66.3	ng	971505	1	6.95	292975	20.0
Phenanthrene, 2-m...	12.00	5.0	ng	98963	4	11.50	397165	20.0
Anthracene, 1-met...	12.07	2.6	ng	51531	4	11.50	397165	20.0
4H-Cyclopenta[def...	12.11	8.3	ng	165384	4	11.50	397165	20.0
Phenanthrene, 1-m...	12.13	2.6	ng	52708	4	11.50	397165	20.0
Naphthalene, 2-ph...	12.29	4.8	ng	94467	4	11.50	397165	20.0
9,10-Anthracenedione	12.32	3.1	ng	60703	4	11.50	397165	20.0
Phenanthrene, 2,5...	12.55	4.5	ng	89020	4	11.50	397165	20.0
Anthracene, 1,4-d...	12.58	2.4	ng	48274	4	11.50	397165	20.0
Cyclopenta(def)ph...	12.64	3.6	ng	72301	4	11.50	397165	20.0
11H-Benzo[b]fluorene	13.27	2.9	ng	122438	5	14.15	852204	20.0
Pyrene, 1-methyl-	13.38	2.5	ng	104368	5	14.15	852204	20.0
Benzo[ghi]fluoran...	13.95	4.8	ng	206665	5	14.15	852204	20.0
Benzo[e]pyrene	15.56	14.7	ng	200355	6	15.69	273601	20.0