

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111162.D
 Acq On : 7 Dec 2018 2:17
 Operator : JU/SJ
 Sample : J6214-17 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(0-2)

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-BF120518.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	5.410	558	565	568	rBV	1404918	1270836	5.76%	0.510%
2	6.422	733	737	746	rBV	1659910	1377930	6.25%	0.553%
3	6.569	758	762	766	rBV	1643743	1288488	5.84%	0.518%
4	6.804	799	802	806	rVB	3829958	3197424	14.50%	1.284%
5	6.963	825	829	832	rBV	1155912	943669	4.28%	0.379%
6	7.357	890	896	902	rBV	1006385	801458	3.64%	0.322%
7	8.086	1016	1020	1022	rBV	5059858	4172158	18.92%	1.676%
8	8.110	1022	1024	1027	rVB	1356409	987582	4.48%	0.397%
9	8.798	1138	1141	1144	rVB	663657	513011	2.33%	0.206%
10	8.898	1154	1158	1162	rVB	726304	563042	2.55%	0.226%
11	9.163	1199	1203	1206	rBV	1672397	1243543	5.64%	0.499%
12	9.498	1255	1260	1263	rBV	465028	476340	2.16%	0.191%
13	9.839	1313	1318	1321	rBV	4128701	4062625	18.43%	1.632%
14	9.874	1321	1324	1327	rVB	6420082	4900471	22.23%	1.968%
15	10.045	1349	1353	1356	rVB	2057070	1610121	7.30%	0.647%
16	10.386	1407	1411	1417	rVB	3868223	3093365	14.03%	1.242%
17	10.457	1421	1423	1424	rVV	470341	386573	1.75%	0.155%
18	10.474	1424	1426	1428	rVV	648521	478717	2.17%	0.192%
19	10.545	1436	1438	1443	rVB	762350	603967	2.74%	0.243%
20	10.621	1448	1451	1455	rVV2	1296025	1351941	6.13%	0.543%
21	10.933	1502	1504	1507	rVB2	487621	417325	1.89%	0.168%
22	11.127	1534	1537	1542	rVB	1126302	998489	4.53%	0.401%
23	11.186	1542	1547	1549	rBV2	391040	568493	2.58%	0.228%
24	11.221	1549	1553	1556	rVB	1323288	1122762	5.09%	0.451%
25	11.327	1567	1571	1572	rBV	2876951	2776938	12.60%	1.115%
26	11.357	1572	1576	1579	rVV	16171892	18818110	85.36%	7.558%
27	11.404	1579	1584	1587	rVV	7011122	5997033	27.20%	2.409%
28	11.433	1587	1589	1593	rVB	588914	500900	2.27%	0.201%
29	11.551	1603	1609	1612	rBV2	3368815	3185685	14.45%	1.279%
30	11.621	1616	1621	1624	rVV4	397323	457509	2.08%	0.184%
31	11.827	1650	1656	1658	rBV	2154234	1897097	8.61%	0.762%
32	11.857	1658	1661	1665	rVB	2867264	2629683	11.93%	1.056%
33	11.904	1665	1669	1671	rBV	1071763	1048907	4.76%	0.421%
34	11.939	1671	1675	1677	rBV	3999101	3866873	17.54%	1.553%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.963	1677	1679	1682	rVB	1195437	940972	4.27%	0.378%
36	12.121	1703	1706	1708	rBV	1727125	1612823	7.32%	0.648%
37	12.139	1708	1709	1713	rVB	1782870	1254198	5.69%	0.504%
38	12.374	1746	1749	1753	rBV	868156	949132	4.31%	0.381%
39	12.415	1753	1756	1758	rVV	467291	503086	2.28%	0.202%
40	12.463	1761	1764	1769	rVB2	884313	983115	4.46%	0.395%
41	12.551	1772	1779	1782	rBV	16799237	21528374	97.65%	8.647%
42	12.598	1782	1787	1790	rBV2	510273	644590	2.92%	0.259%
43	12.686	1795	1802	1811	rVB2	964909	1528897	6.93%	0.614%
44	12.780	1811	1818	1821	rBV4	14228824	22046255	100.00%	8.855%
45	12.815	1821	1824	1830	rVB	924470	941882	4.27%	0.378%
46	12.886	1831	1836	1838	rBV	1501055	1344644	6.10%	0.540%
47	12.915	1838	1841	1846	rVB2	1785649	2224840	10.09%	0.894%
48	12.986	1847	1853	1855	rBV4	1262879	2018273	9.15%	0.811%
49	13.010	1855	1857	1860	rVB	940342	738955	3.35%	0.297%
50	13.045	1860	1863	1865	rBV3	480328	548075	2.49%	0.220%
51	13.068	1865	1867	1869	rVV2	884347	965169	4.38%	0.388%
52	13.092	1869	1871	1874	rVB	3176147	2836965	12.87%	1.139%
53	13.162	1879	1883	1885	rBV	2515331	2323375	10.54%	0.933%
54	13.198	1885	1889	1891	rBV2	1751657	1741818	7.90%	0.700%
55	13.221	1891	1893	1896	rVB	1017140	880123	3.99%	0.353%
56	13.251	1896	1898	1902	rBV2	418611	467089	2.12%	0.188%
57	13.286	1902	1904	1907	rVB	690722	588961	2.67%	0.237%
58	13.321	1907	1910	1913	rBV2	803583	875765	3.97%	0.352%
59	13.392	1919	1922	1927	rBV4	516982	586411	2.66%	0.236%
60	13.498	1932	1940	1941	rBV5	595360	1100954	4.99%	0.442%
61	13.515	1941	1943	1946	rVV2	438667	471806	2.14%	0.189%
62	13.598	1950	1957	1962	rBV	1404883	2009083	9.11%	0.807%
63	13.709	1972	1976	1979	rBV2	2113647	2486258	11.28%	0.999%
64	13.739	1979	1981	1983	rVV	2057710	1747232	7.93%	0.702%
65	13.762	1983	1985	1989	rVV2	1914168	2554511	11.59%	1.026%
66	13.804	1989	1992	1999	rVB2	1927177	2203507	9.99%	0.885%
67	13.874	1999	2004	2008	rBV	612586	951248	4.31%	0.382%
68	13.962	2011	2019	2022	rVV3	10772492	16791285	76.16%	6.744%
69	13.998	2022	2025	2029	rVV	9866205	9580745	43.46%	3.848%
70	14.068	2035	2037	2040	rVV	2799921	2529793	11.47%	1.016%
71	14.098	2040	2042	2044	rVV	602896	591461	2.68%	0.238%

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72	14.145	2047	2050	2053	rVV	1582362	1382549	6.27%	0.555%
73	14.180	2053	2056	2061	rVV2	1616108	1785085	8.10%	0.717%
74	14.280	2070	2073	2076	rBV	619353	606389	2.75%	0.244%
75	14.309	2076	2078	2080	rBV	555721	509872	2.31%	0.205%
76	14.345	2080	2084	2087	rBV	1407102	1431077	6.49%	0.575%
77	14.380	2087	2090	2093	rVB2	979717	888062	4.03%	0.357%
78	14.439	2097	2100	2103	rVB2	791103	755898	3.43%	0.304%
79	14.468	2103	2105	2107	rBV	801221	712325	3.23%	0.286%
80	14.492	2107	2109	2112	rVB4	1267969	1103753	5.01%	0.443%
81	14.527	2112	2115	2116	rBV	505918	429478	1.95%	0.172%
82	14.645	2132	2135	2138	rBV2	698276	872987	3.96%	0.351%
83	14.727	2146	2149	2151	rBV2	434620	436356	1.98%	0.175%
84	14.827	2161	2166	2174	rVB2	662283	1305391	5.92%	0.524%
85	14.898	2175	2178	2181	rBV3	316386	407579	1.85%	0.164%
86	14.933	2181	2184	2188	rVB2	311748	402847	1.83%	0.162%
87	14.998	2189	2195	2197	rBV	6717984	10748684	48.76%	4.317%
88	15.021	2197	2199	2202	rVB	4269065	3491892	15.84%	1.402%
89	15.092	2208	2211	2215	rVB	1556393	1567635	7.11%	0.630%
90	15.286	2239	2244	2249	rVB2	3786283	5320540	24.13%	2.137%
91	15.351	2249	2255	2259	rBV	5520895	6990296	31.71%	2.808%
92	15.403	2260	2264	2267	rBV	1740897	2456726	11.14%	0.987%
93	15.433	2267	2269	2276	rVB	2043747	2475209	11.23%	0.994%
94	15.939	2353	2355	2359	rVB3	328913	406264	1.84%	0.163%
95	16.639	2471	2474	2476	rBV2	256333	374381	1.70%	0.150%
96	16.821	2499	2505	2512	rVB2	2538655	4708379	21.36%	1.891%
97	16.980	2529	2532	2538	rVB	398045	665031	3.02%	0.267%
98	17.045	2539	2543	2547	rBV2	305524	518165	2.35%	0.208%
99	17.250	2570	2578	2588	rBV	1743945	3795001	17.21%	1.524%
100	17.468	2611	2615	2620	rVB	438922	734270	3.33%	0.295%

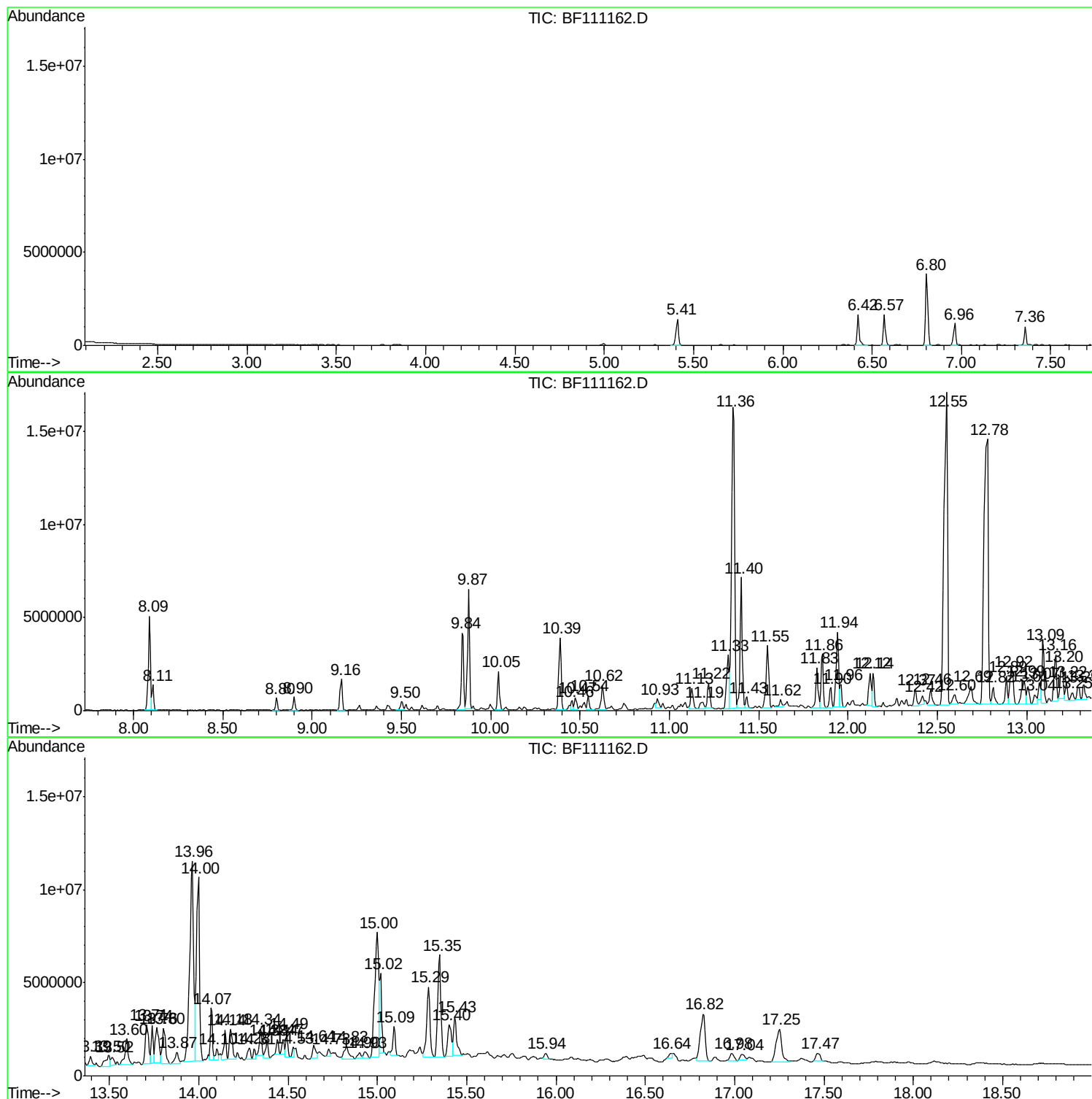
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Instrument :
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ClientSampleId :
SB-10(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.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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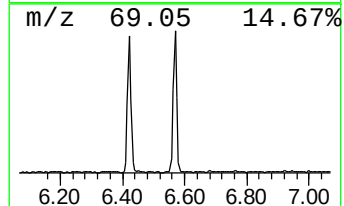
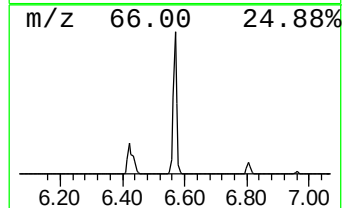
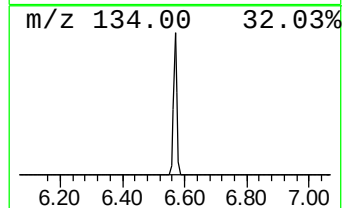
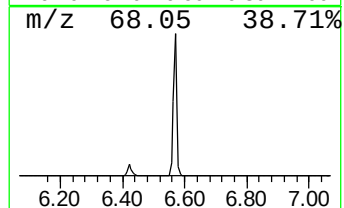
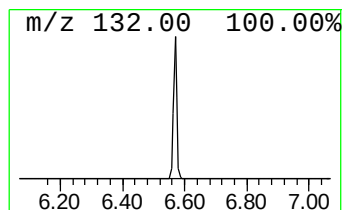
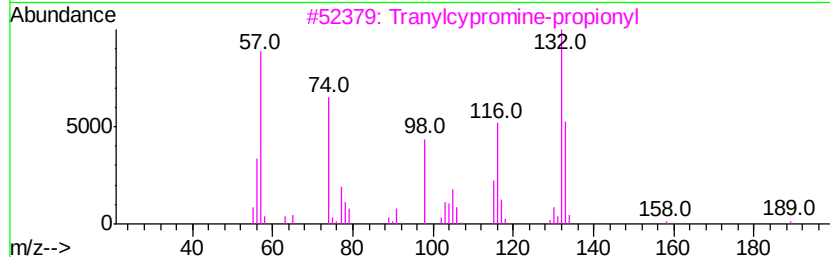
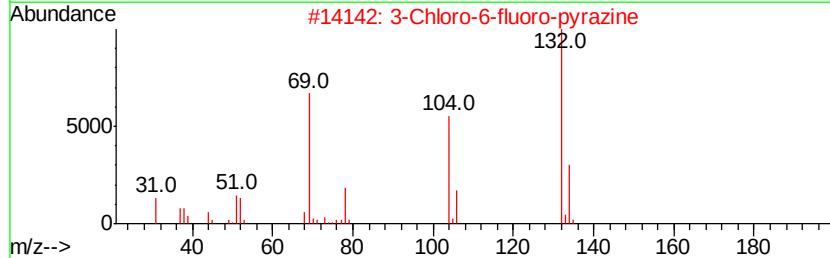
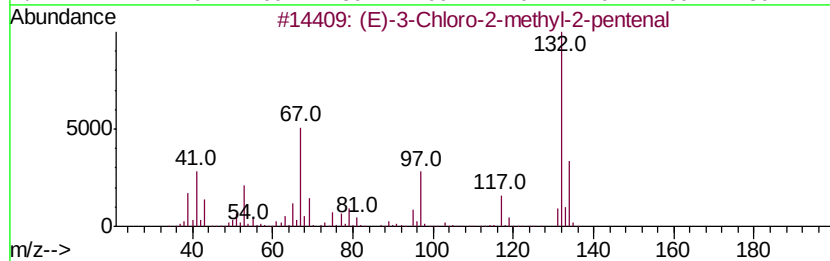
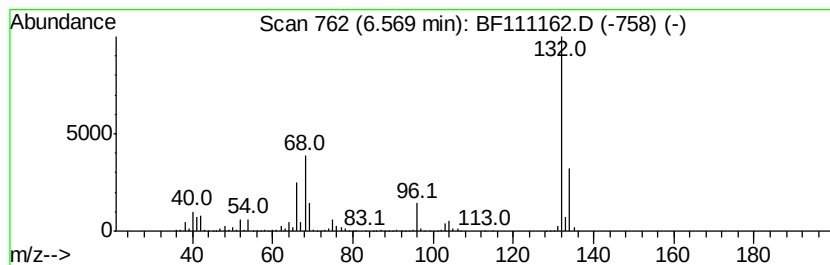
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	8.06 ng	1288490	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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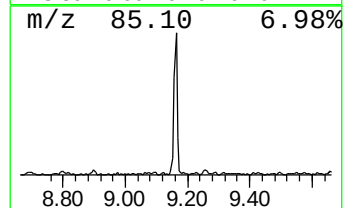
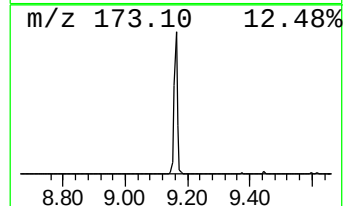
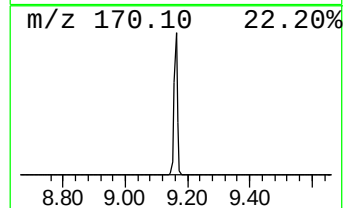
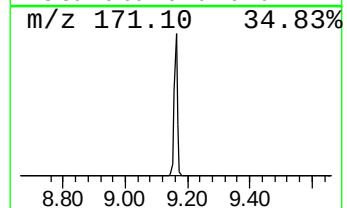
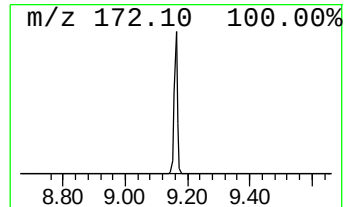
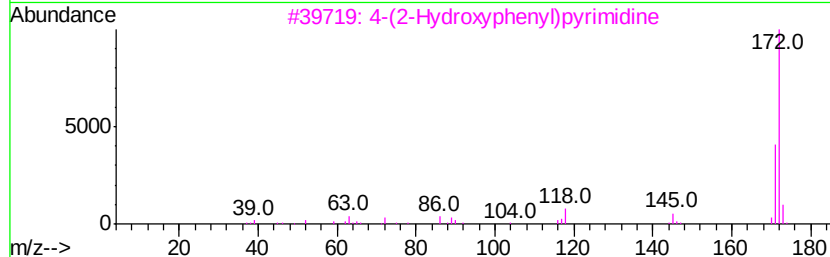
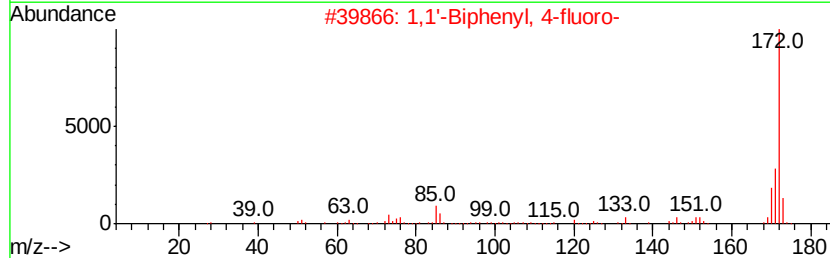
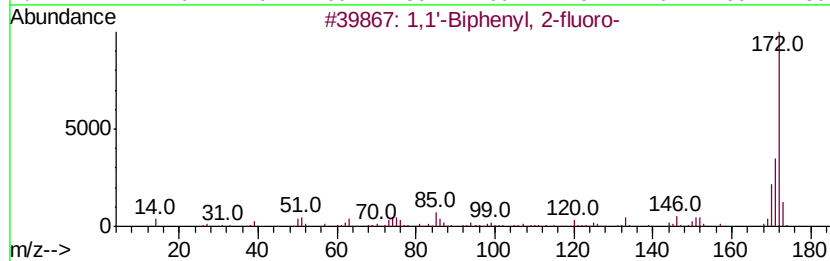
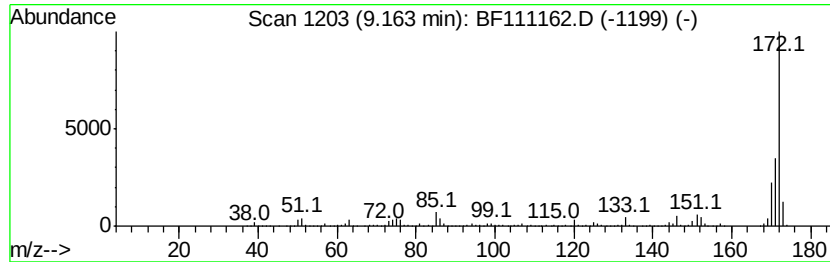
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.16	6.12 ng	1243540	Acenaphthene-d10	9.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	93
3	4-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	068535-55-7	53
4	5-Hydroxy-2-phenylpyrimidine	172	C10H8N2O	066739-85-3	47
5	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	42



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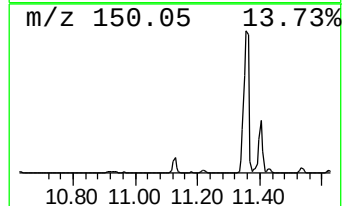
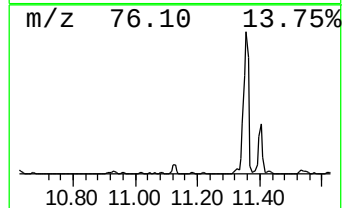
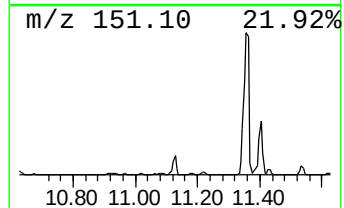
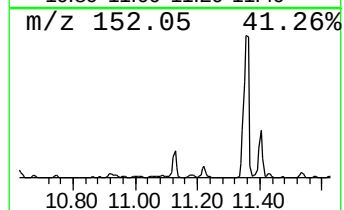
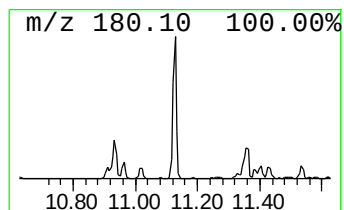
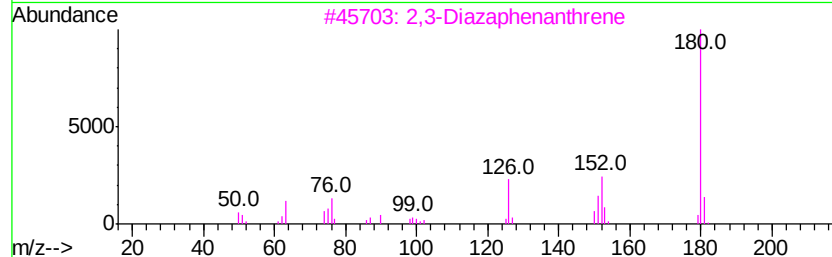
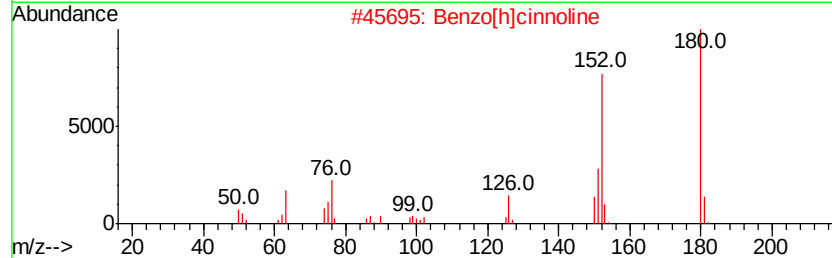
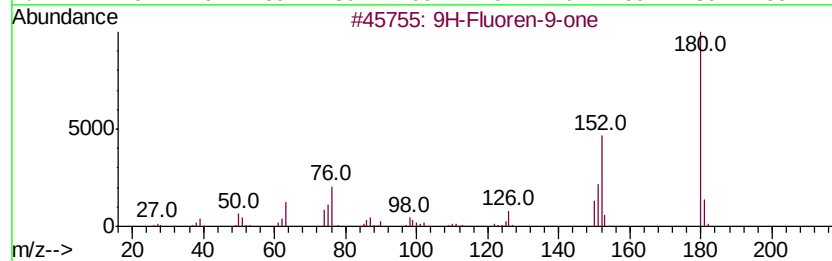
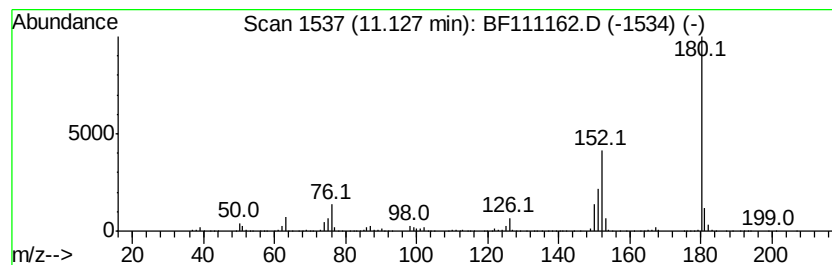
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	7.19 ng	998489	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	87
3	2,3-Diazaphenanthrene		180	C12H8N2	000229-72-1	53
4	Phenazine		180	C12H8N2	000092-82-0	47
5	1H-Phenalen-1-one		180	C13H8O	000548-39-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111162.D
Acq On : 7 Dec 2018 2:17
Operator : JU/SJ
Sample : J6214-17 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-10(0-2)

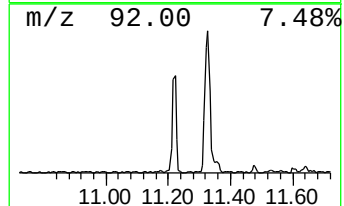
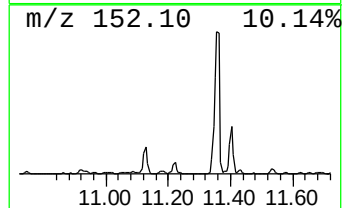
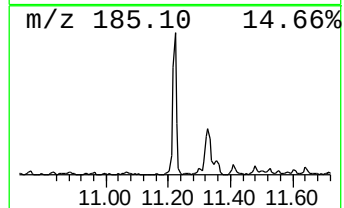
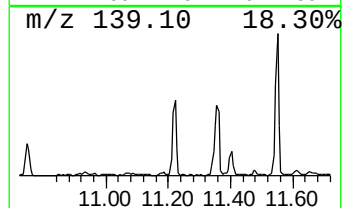
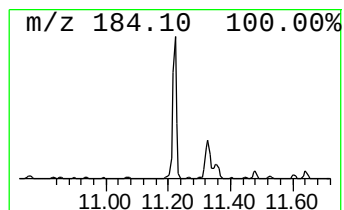
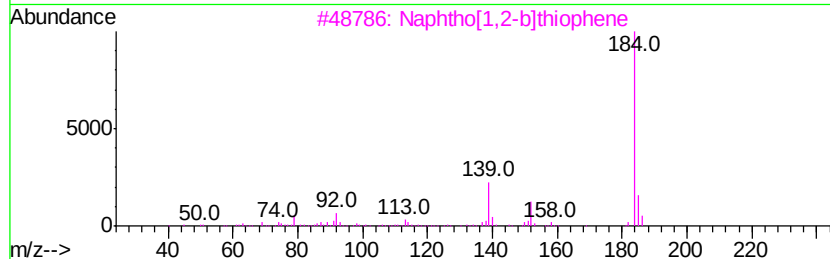
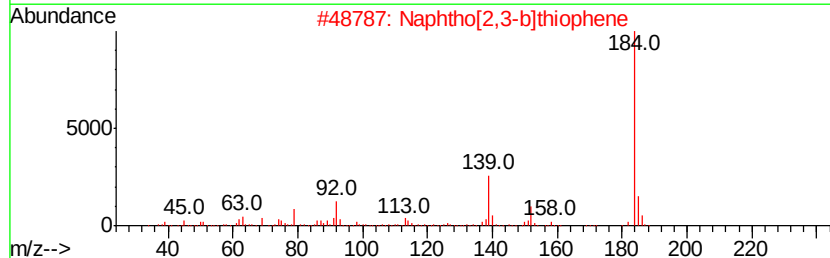
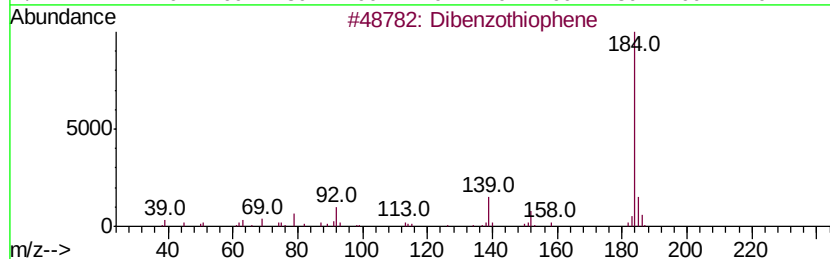
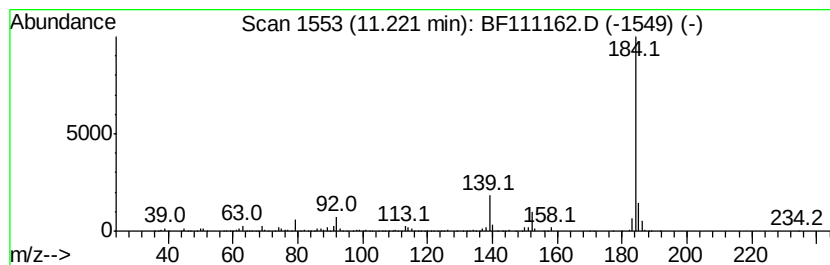
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	8.09 ng	1122760	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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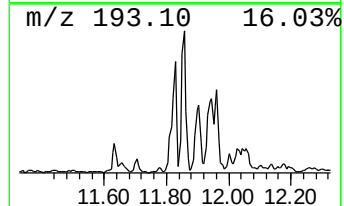
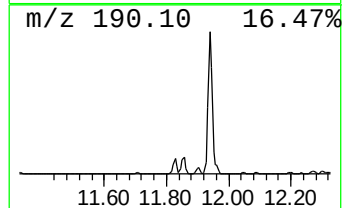
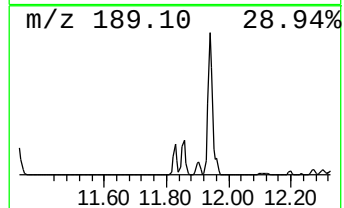
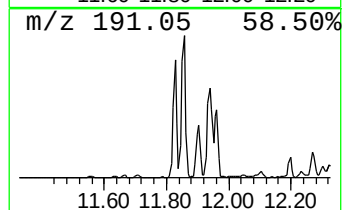
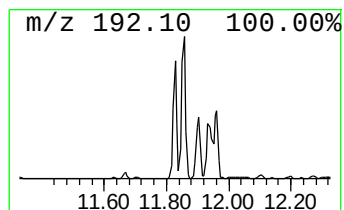
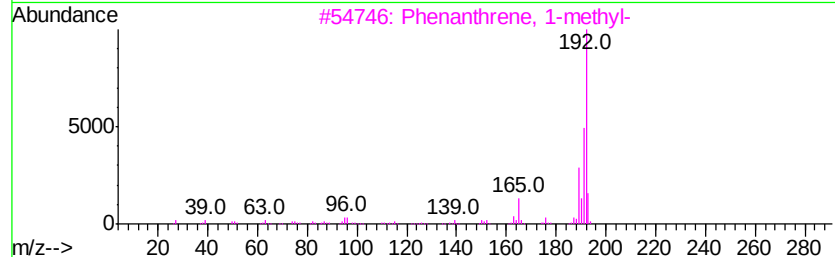
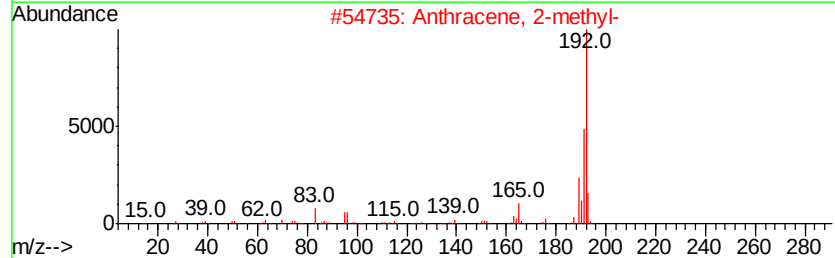
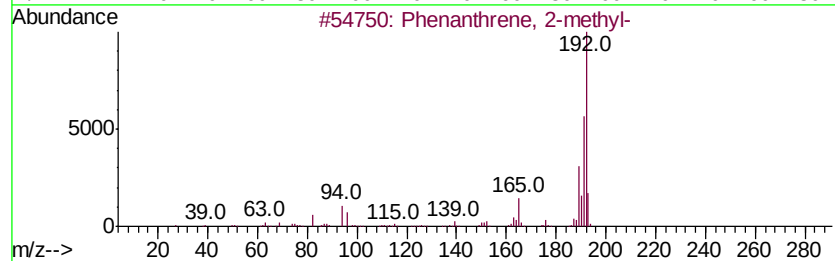
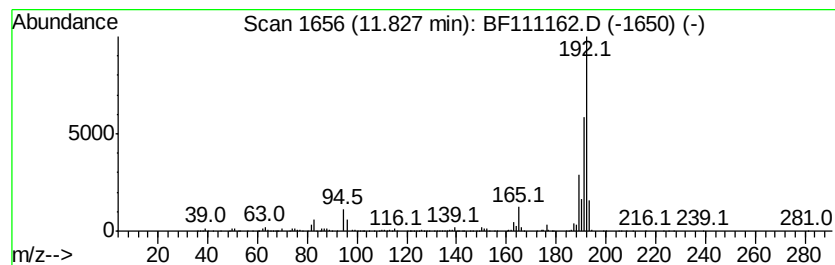
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	13.66 ng	1897100	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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Sample : J6214-17 10X
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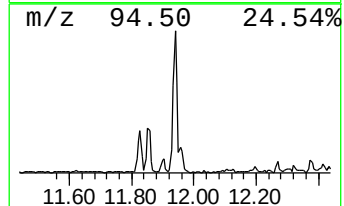
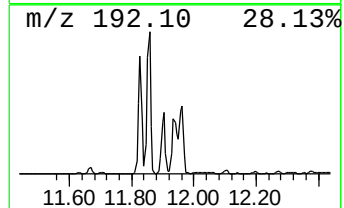
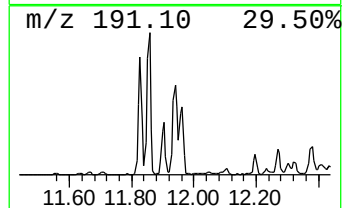
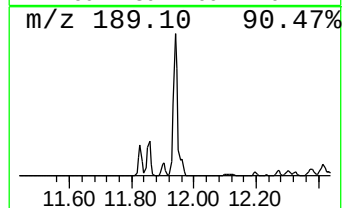
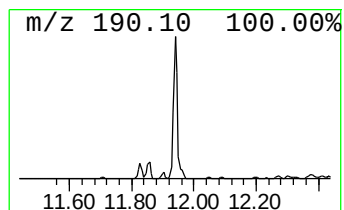
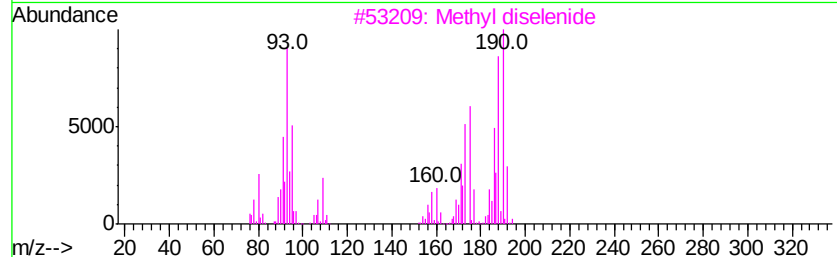
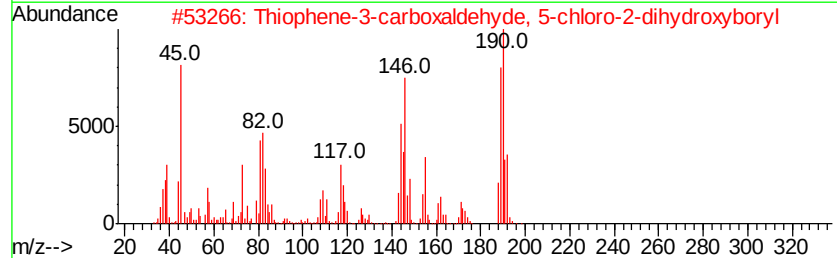
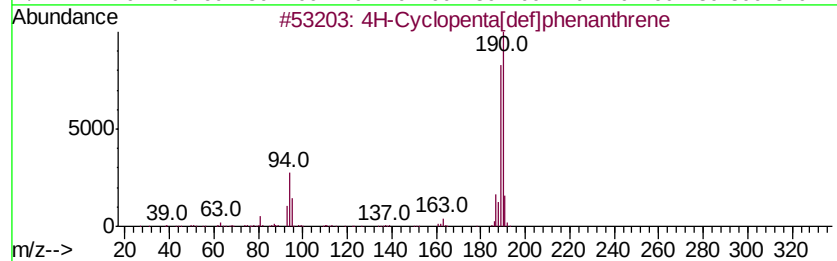
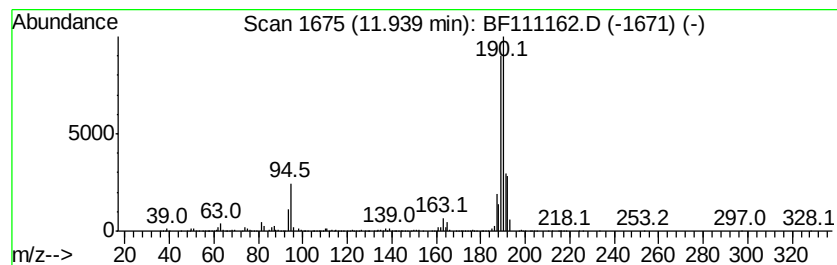
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	27.85 ng	3866870	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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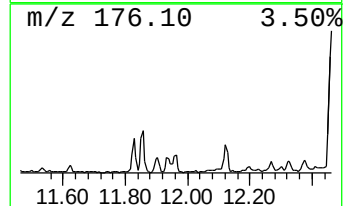
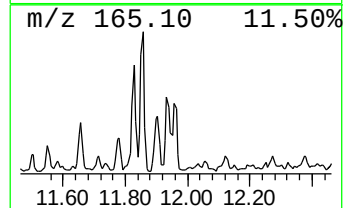
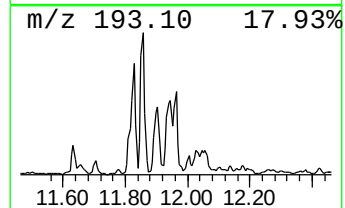
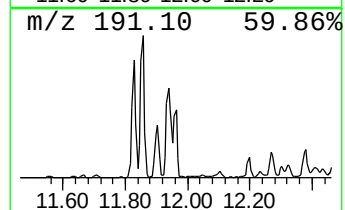
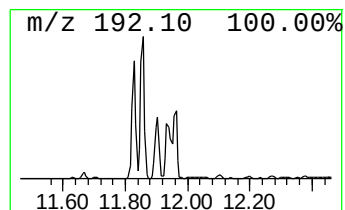
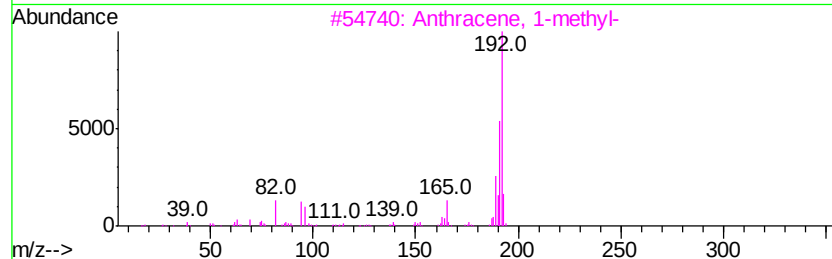
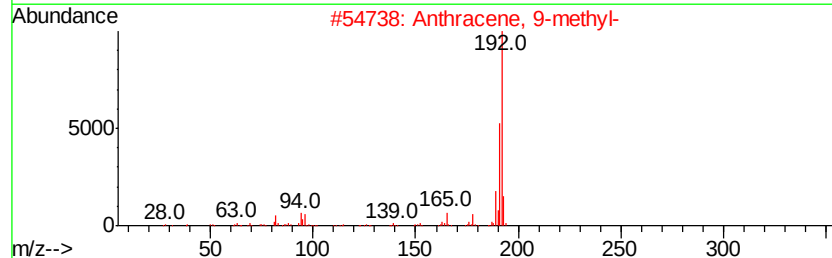
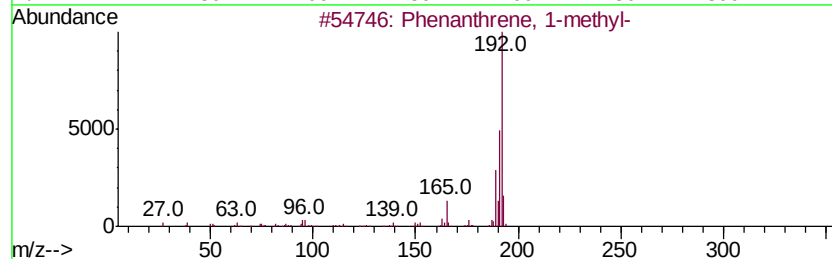
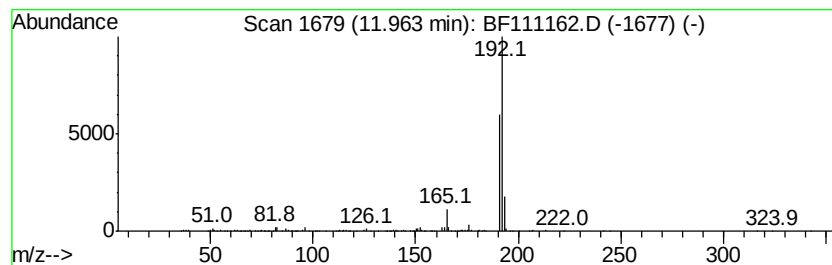
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.78 ng	940972	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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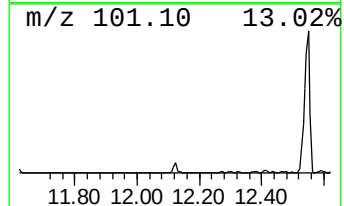
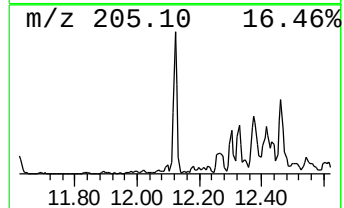
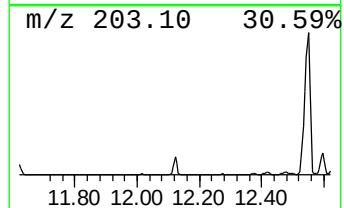
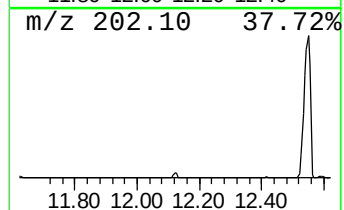
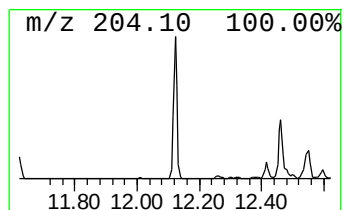
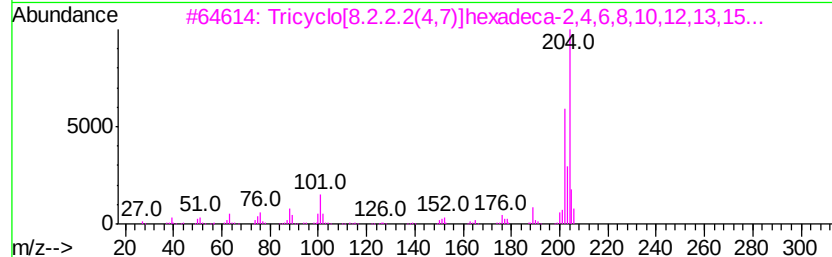
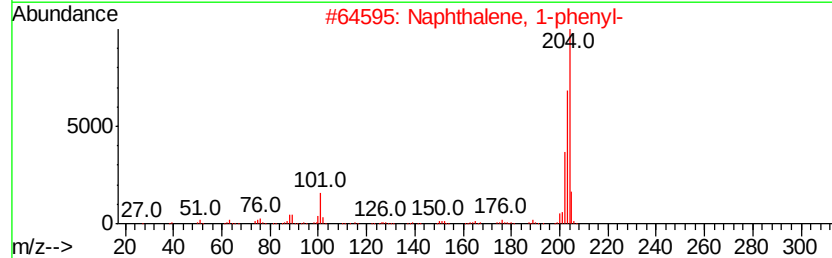
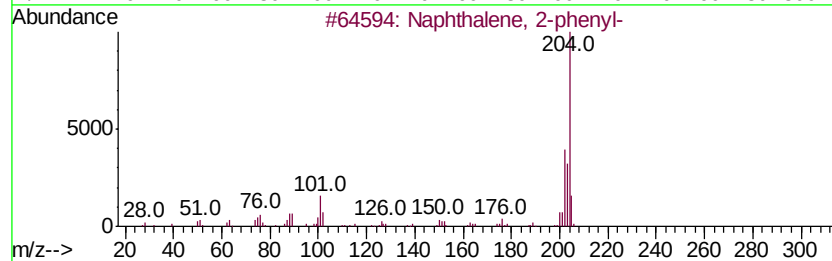
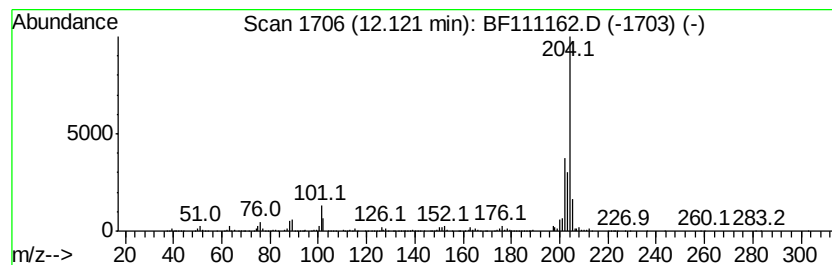
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	11.62 ng	1612820	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	53
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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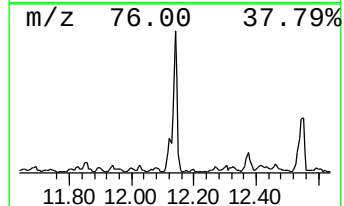
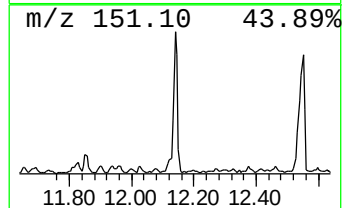
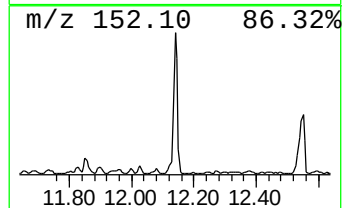
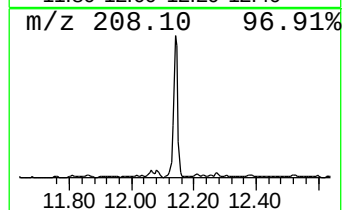
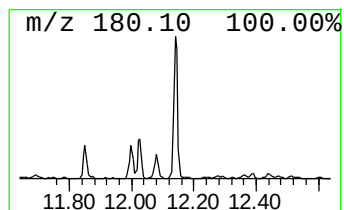
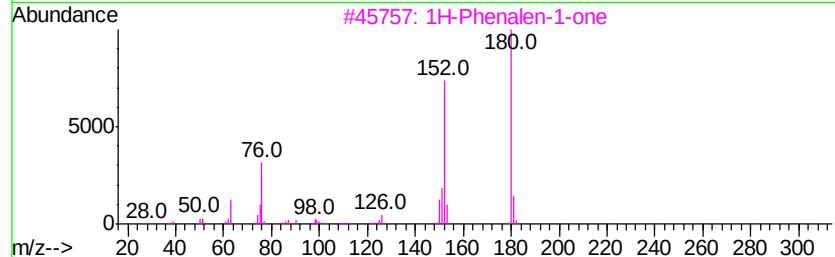
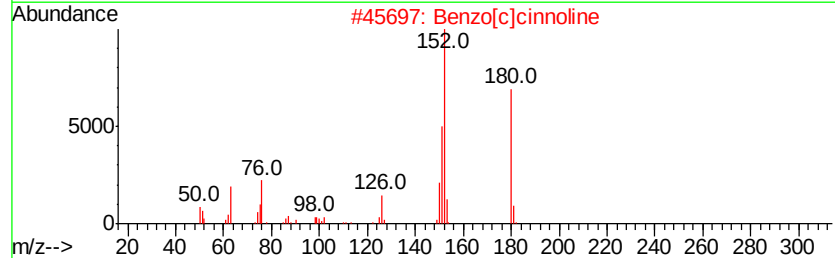
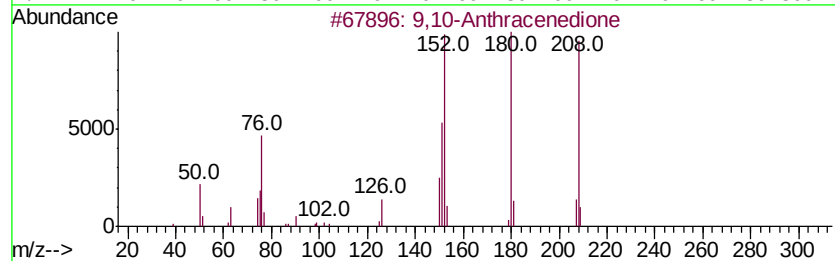
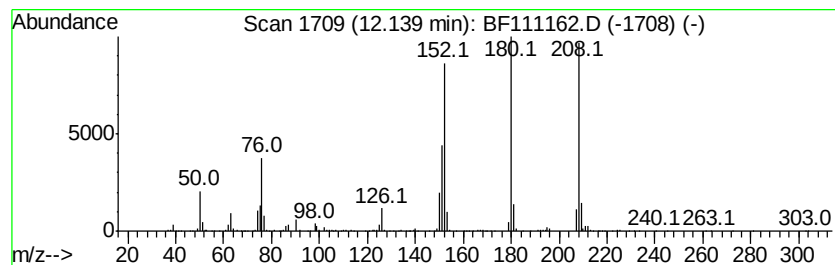
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	9.03 ng	1254200	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4			Benzo[ghi]cinnoline	180	C12H8N2	000230-31-9	60
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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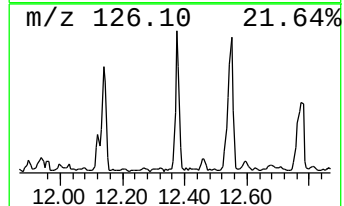
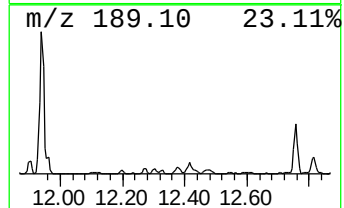
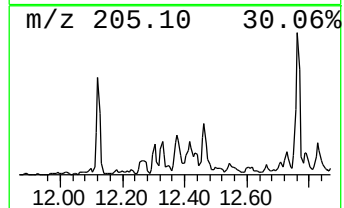
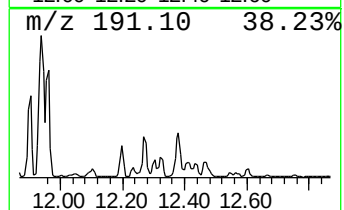
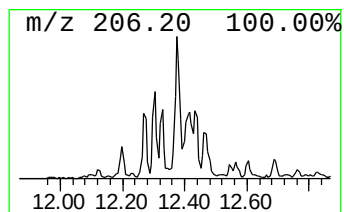
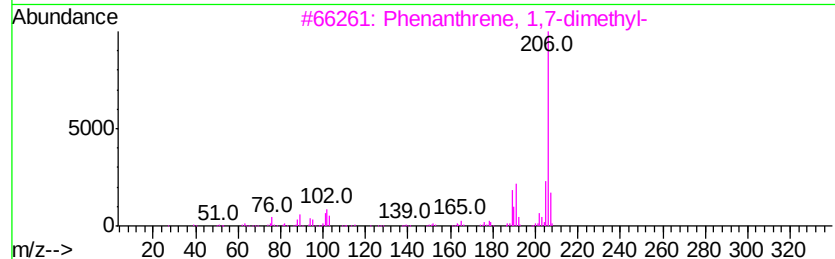
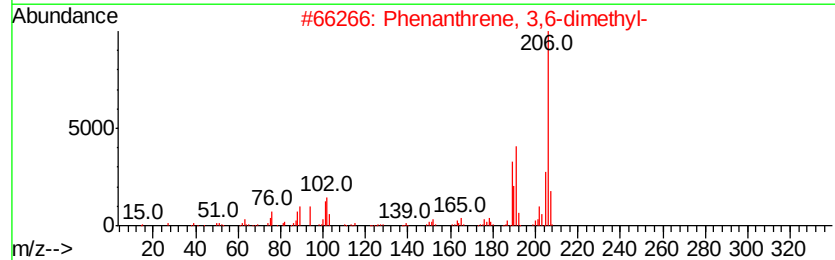
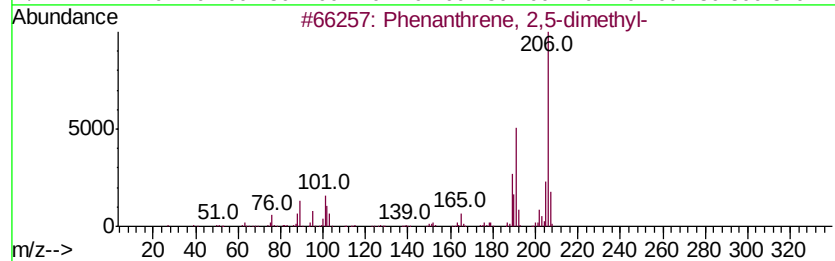
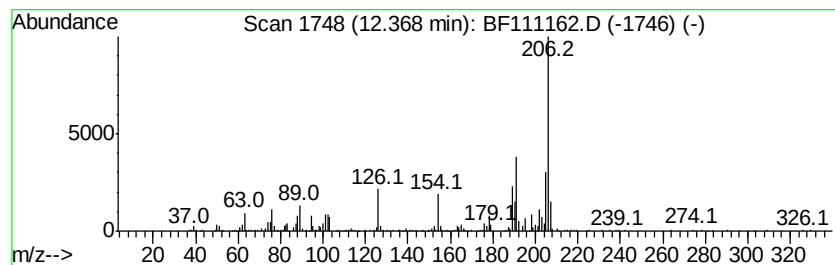
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ClientSampleId :
SB-10(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.37	6.84 ng	949132	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111162.D
Acq On : 7 Dec 2018 2:17
Operator : JU/SJ
Sample : J6214-17 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)

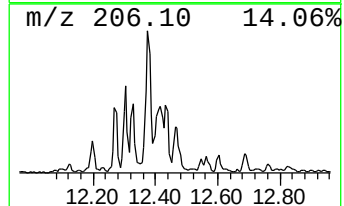
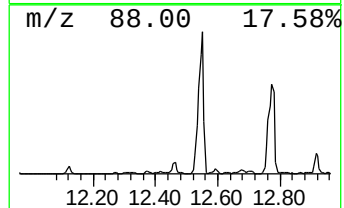
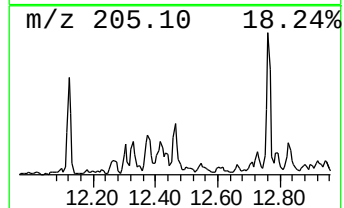
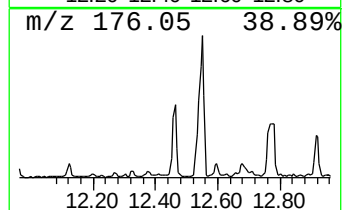
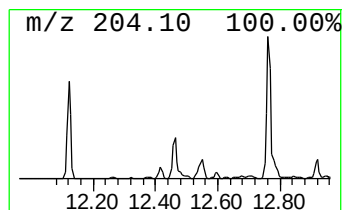
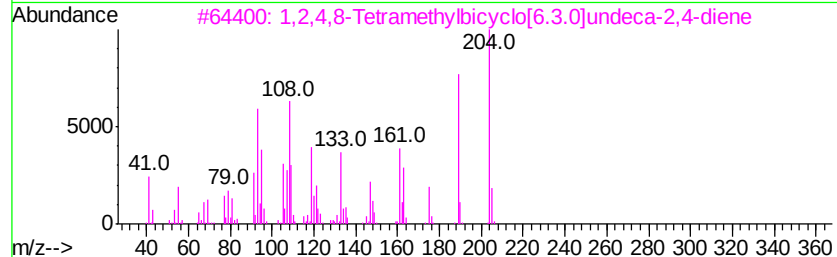
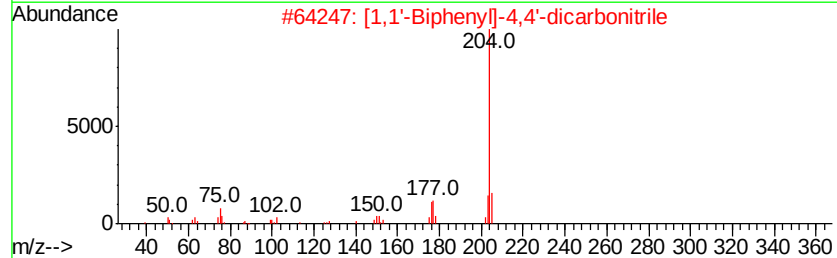
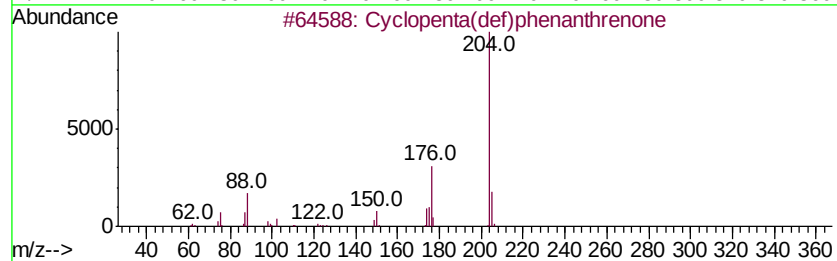
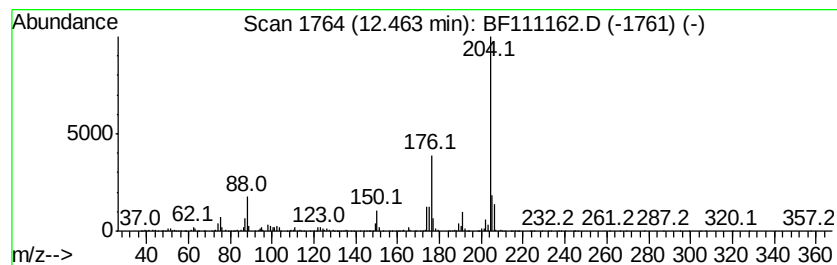
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	7.08 ng	983115	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
4		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111162.D
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Operator : JU/SJ
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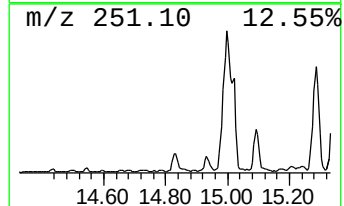
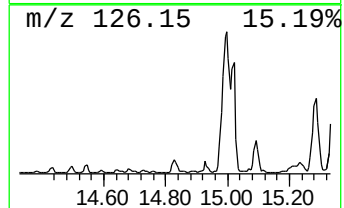
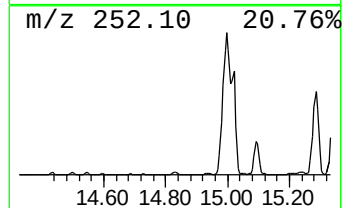
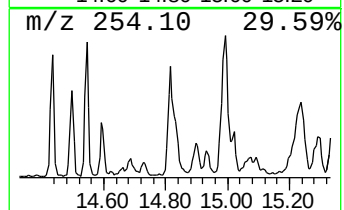
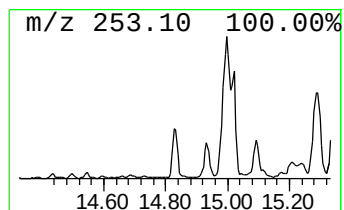
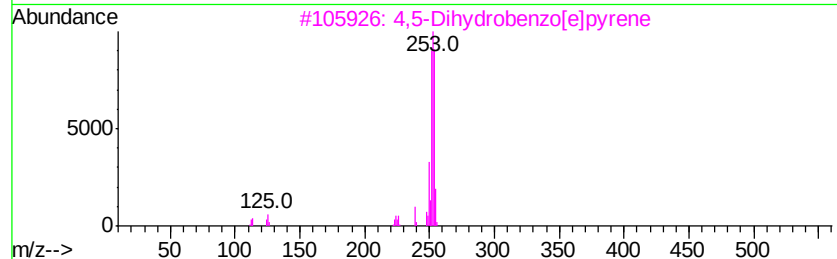
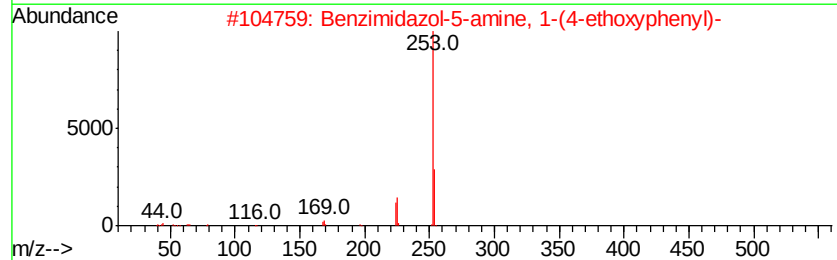
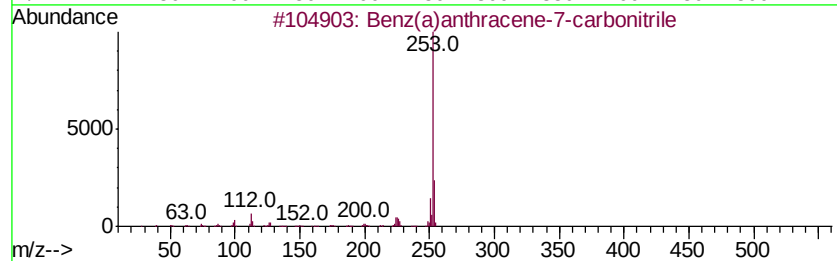
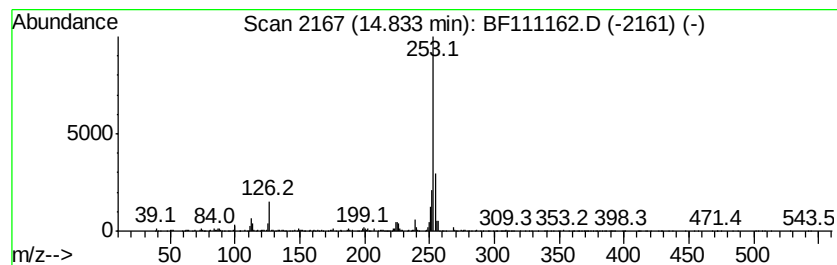
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz(a)anthracene-7-carboni... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	10.63 ng	1305390	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	89
2		Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	50
3		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	38
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	38
5		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111162.D
Acq On : 7 Dec 2018 2:17
Operator : JU/SJ
Sample : J6214-17 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-10(0-2)

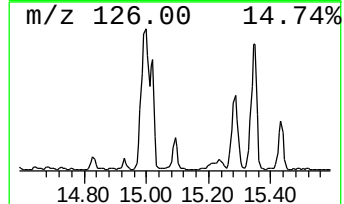
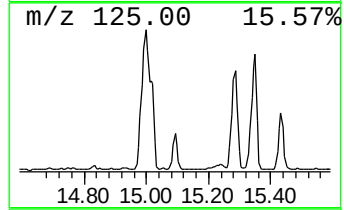
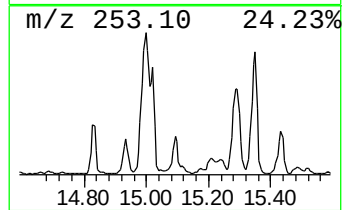
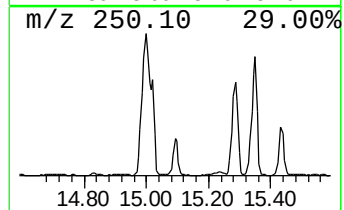
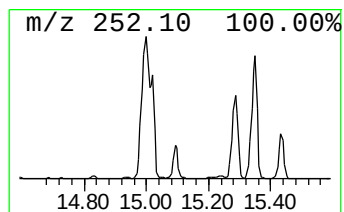
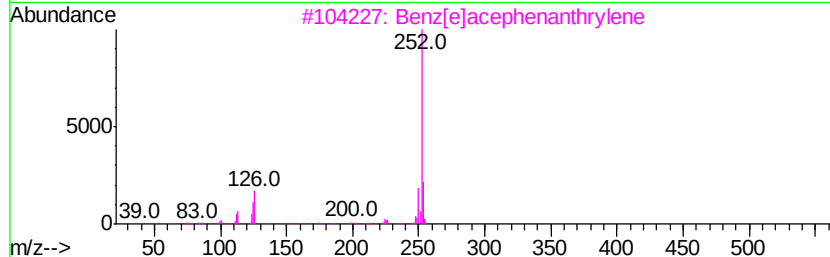
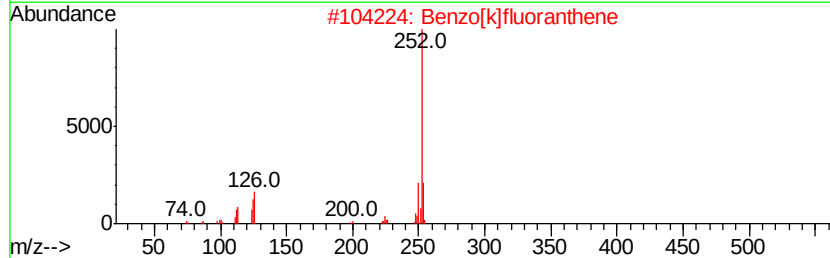
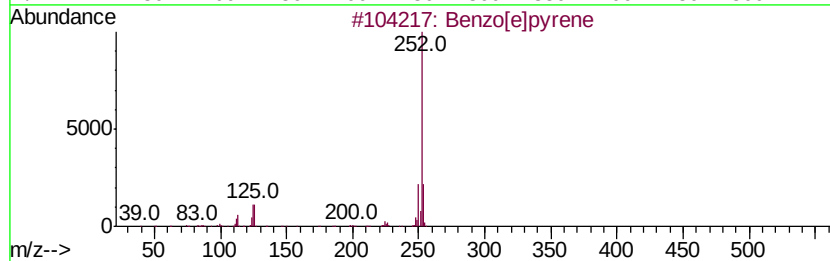
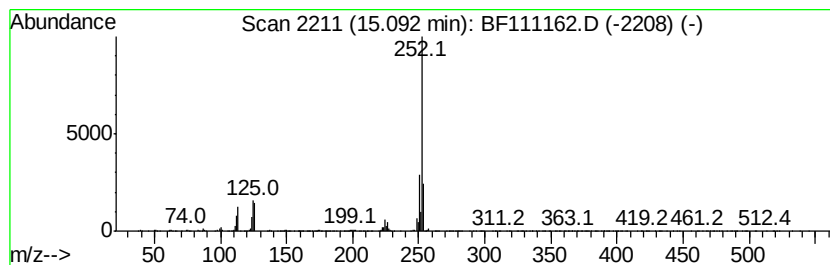
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	12.76 ng	1567640	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Perylene	252	C20H12	000198-55-0	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111162.D
Acq On : 7 Dec 2018 2:17
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Sample : J6214-17 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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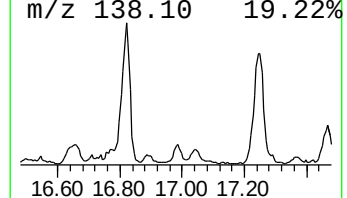
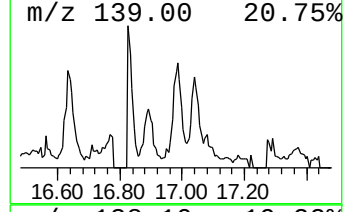
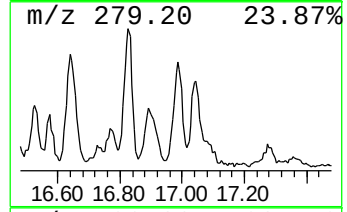
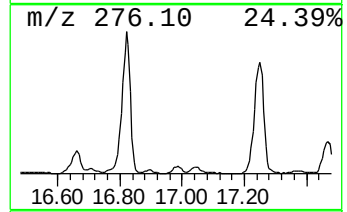
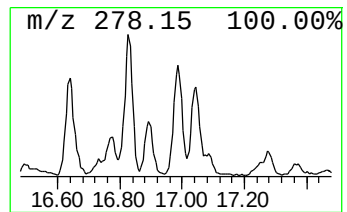
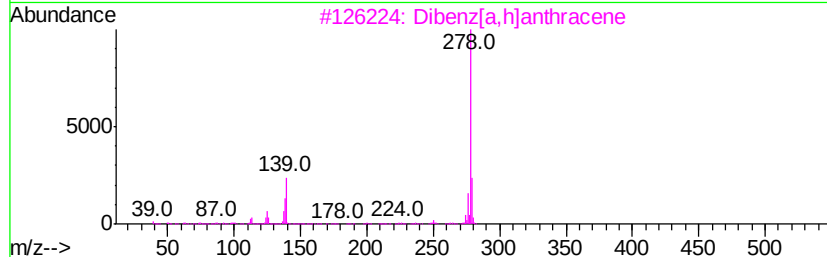
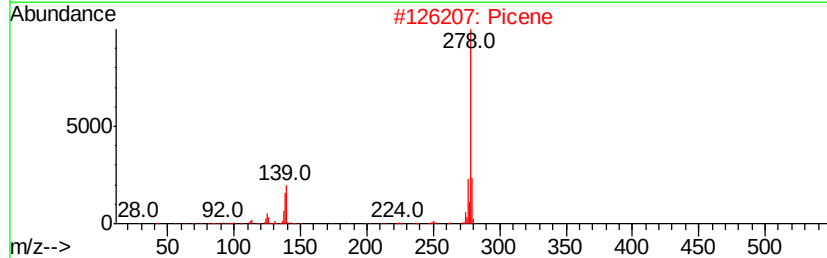
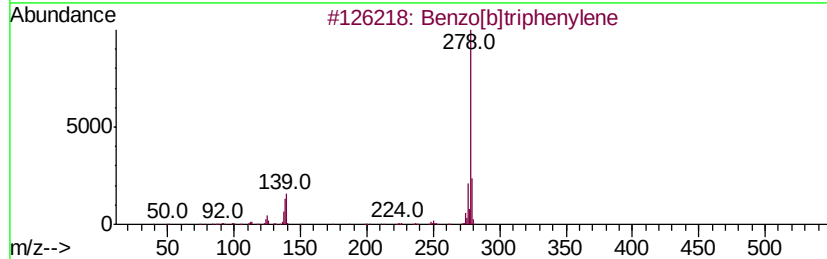
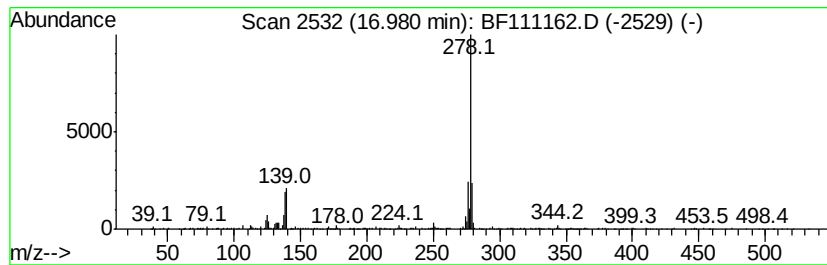
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	5.41 ng	665031	Perylene-d12	15.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2			Picene	278	C22H14	000213-46-7	96
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4			Pentacene	278	C22H14	000135-48-8	89
5			Benzo[b]chrysene	278	C22H14	000214-17-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120618\
 Data File : BF111162.D
 Acq On : 7 Dec 2018 2:17
 Operator : JU/SJ
 Sample : J6214-17 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.57	6.57	8.1 ng		1288490	1	6.80	3197420	20.0
1,1'-Biphenyl, 2-...	9.16	6.1 ng		1243540	3	9.84	4062630	20.0
9H-Fluoren-9-one	11.13	7.2 ng		998489	4	11.33	2776940	20.0
Dibenzothiophene	11.22	8.1 ng		1122760	4	11.33	2776940	20.0
Phenanthrene, 2-m...	11.83	13.7 ng		1897100	4	11.33	2776940	20.0
4H-Cyclopenta[def...	11.94	27.9 ng		3866870	4	11.33	2776940	20.0
Phenanthrene, 1-m...	11.96	6.8 ng		940972	4	11.33	2776940	20.0
Naphthalene, 2-ph...	12.12	11.6 ng		1612820	4	11.33	2776940	20.0
9,10-Anthracenedione	12.14	9.0 ng		1254200	4	11.33	2776940	20.0
Phenanthrene, 2,5...	12.37	6.8 ng		949132	4	11.33	2776940	20.0
Cyclopenta(def)ph...	12.46	7.1 ng		983115	4	11.33	2776940	20.0
Benz(a)anthracene...	14.83	10.6 ng		1305390	6	15.40	2456730	20.0
Benzo[e]pyrene	15.09	12.8 ng		1567640	6	15.40	2456730	20.0
Benzo[b]triphenylene	16.98	5.4 ng		665031	6	15.40	2456730	20.0