

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112894.D
 Acq On : 6 Mar 2019 21:01
 Operator : JU/SJ
 Sample : K1753-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-5

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-BF022719.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	5.345	549	554	557	rBV	4005071	3935895	76.16%	4.030%
2	6.369	723	728	734	rVB	4042983	4177028	80.82%	4.277%
3	6.498	746	750	754	rBV	4134093	4176690	80.82%	4.277%
4	6.728	786	789	793	rBV	1346780	1224924	23.70%	1.254%
5	6.886	812	816	819	rBV	3727456	3256572	63.01%	3.335%
6	7.286	879	884	892	rBV	2540768	2640520	51.09%	2.704%
7	8.010	1003	1007	1009	rBV	1681167	1483639	28.71%	1.519%
8	8.027	1009	1010	1027	rVB	379822	436013	8.44%	0.446%
9	9.086	1185	1190	1204	rBV	4493054	4282816	82.87%	4.386%
10	9.422	1242	1247	1250	rBV	171522	176682	3.42%	0.181%
11	9.480	1254	1257	1260	rVV	251980	235767	4.56%	0.241%
12	9.539	1262	1267	1272	rVB2	92022	122822	2.38%	0.126%
13	9.622	1277	1281	1287	rVV	540680	491509	9.51%	0.503%
14	9.763	1299	1305	1308	rBV	1783259	1806624	34.96%	1.850%
15	9.792	1308	1310	1314	rVB	230145	195597	3.78%	0.200%
16	9.963	1336	1339	1343	rBV	489157	424002	8.20%	0.434%
17	10.169	1370	1374	1379	rBV2	76708	121719	2.36%	0.125%
18	10.304	1394	1397	1404	rVB	428613	403274	7.80%	0.413%
19	10.463	1421	1424	1427	rBV	278392	226171	4.38%	0.232%
20	10.545	1433	1438	1443	rBV	2839187	2784541	53.88%	2.851%
21	10.669	1453	1459	1464	rBV4	88482	131850	2.55%	0.135%
22	10.851	1483	1490	1493	rBV3	106958	171233	3.31%	0.175%
23	11.039	1520	1522	1527	rVB	497009	440807	8.53%	0.451%
24	11.086	1527	1530	1534	rBV	125471	158482	3.07%	0.162%
25	11.133	1534	1538	1541	rVB	244987	221039	4.28%	0.226%
26	11.239	1552	1556	1557	rBV	1220372	1185491	22.94%	1.214%
27	11.263	1557	1560	1564	rVV	3980446	4008477	77.56%	4.105%
28	11.310	1564	1568	1571	rVV2	286886	295834	5.72%	0.303%
29	11.345	1571	1574	1578	rVB5	106031	120153	2.32%	0.123%
30	11.463	1589	1594	1597	rBV2	385623	385949	7.47%	0.395%
31	11.568	1609	1612	1617	rVB3	168259	162452	3.14%	0.166%
32	11.739	1637	1641	1643	rVV	617535	585215	11.32%	0.599%
33	11.763	1643	1645	1651	rVV2	872012	1229240	23.79%	1.259%
34	11.845	1656	1659	1661	rBV	732829	665073	12.87%	0.681%

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35	11.868	1661	1663	1668	rVB	430831	366985	7.10%	0.376%
36	12.033	1688	1691	1692	rBV	491384	401409	7.77%	0.411%
37	12.051	1692	1694	1698	rVB	893454	725228	14.03%	0.743%
38	12.233	1723	1725	1728	rVB2	148763	125578	2.43%	0.129%
39	12.286	1728	1734	1737	rBV	423829	451009	8.73%	0.462%
40	12.321	1737	1740	1742	rBV	158025	172687	3.34%	0.177%
41	12.368	1745	1748	1754	rVB2	562941	580867	11.24%	0.595%
42	12.451	1756	1762	1765	rBV	5138502	5168105	100.00%	5.292%
43	12.492	1765	1769	1774	rBV3	134011	242814	4.70%	0.249%
44	12.533	1774	1776	1778	rBV	268718	227826	4.41%	0.233%
45	12.557	1778	1780	1782	rBV2	315027	314740	6.09%	0.322%
46	12.674	1794	1800	1803	rBV2	4168123	4786949	92.62%	4.902%
47	12.715	1805	1807	1813	rVB2	294484	339075	6.56%	0.347%
48	12.792	1816	1820	1821	rBV	382868	369188	7.14%	0.378%
49	12.815	1821	1824	1831	rVB	3493722	3437922	66.52%	3.521%
50	12.892	1831	1837	1840	rBV2	458203	720012	13.93%	0.737%
51	12.974	1844	1851	1853	rBV3	399600	573174	11.09%	0.587%
52	12.998	1853	1855	1858	rVB	515133	428493	8.29%	0.439%
53	13.062	1863	1866	1868	rBV	283058	239494	4.63%	0.245%
54	13.098	1868	1872	1876	rVV	634169	646408	12.51%	0.662%
55	13.157	1880	1882	1885	rBV2	122381	137665	2.66%	0.141%
56	13.192	1885	1888	1890	rVB	287046	220456	4.27%	0.226%
57	13.221	1890	1893	1899	rBV2	264073	292060	5.65%	0.299%
58	13.374	1916	1919	1921	rBV2	131576	162389	3.14%	0.166%
59	13.404	1921	1924	1929	rVB4	198598	300719	5.82%	0.308%
60	13.498	1936	1940	1945	rVB	920652	884397	17.11%	0.906%
61	13.610	1954	1959	1962	rBV2	685323	895934	17.34%	0.917%
62	13.639	1962	1964	1966	rVV	531481	477347	9.24%	0.489%
63	13.662	1966	1968	1972	rVV2	438372	695387	13.46%	0.712%
64	13.704	1972	1975	1978	rVV	1037512	1059725	20.51%	1.085%
65	13.727	1978	1979	1983	rVV	293426	301883	5.84%	0.309%
66	13.780	1985	1988	1994	rVV3	117034	199984	3.87%	0.205%
67	13.857	1994	2001	2004	rVV2	2677247	4129080	79.90%	4.228%
68	13.892	2004	2007	2012	rVV	2723040	2790921	54.00%	2.858%
69	14.004	2021	2026	2028	rVV2	510424	639078	12.37%	0.654%
70	14.045	2031	2033	2036	rVV	435955	396289	7.67%	0.406%
71	14.080	2036	2039	2043	rVV2	355649	491827	9.52%	0.504%

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72	14.115	2043	2045	2048	rVV3	212646	215882	4.18%	0.221%
73	14.186	2052	2057	2059	rBV4	138891	182256	3.53%	0.187%
74	14.209	2059	2061	2063	rVV3	150369	171576	3.32%	0.176%
75	14.245	2063	2067	2070	rVV	576617	675230	13.07%	0.691%
76	14.280	2070	2073	2076	rVV2	635946	677569	13.11%	0.694%
77	14.345	2076	2084	2086	rVV5	254807	559855	10.83%	0.573%
78	14.368	2086	2088	2090	rVV	396561	368922	7.14%	0.378%
79	14.392	2090	2092	2096	rVV3	236764	275620	5.33%	0.282%
80	14.439	2098	2100	2104	rVB3	209528	234906	4.55%	0.241%
81	14.545	2114	2118	2120	rBV3	80164	121479	2.35%	0.124%
82	14.568	2120	2122	2127	rVB4	120593	153026	2.96%	0.157%
83	14.645	2132	2135	2140	rVB3	353846	396696	7.68%	0.406%
84	14.715	2142	2147	2155	rVB4	284158	632673	12.24%	0.648%
85	14.786	2155	2159	2162	rBV	177500	205713	3.98%	0.211%
86	14.874	2169	2174	2177	rBV	2300309	3782723	73.19%	3.874%
87	14.968	2183	2190	2194	rVB3	496967	728812	14.10%	0.746%
88	15.151	2216	2221	2227	rVB	1342787	1813540	35.09%	1.857%
89	15.209	2227	2231	2236	rBV	1689307	2081181	40.27%	2.131%
90	15.268	2236	2241	2244	rBV	1100782	1387969	26.86%	1.421%
91	15.298	2244	2246	2252	rVB2	475631	818872	15.84%	0.839%
92	15.715	2313	2317	2322	rBV2	242753	394394	7.63%	0.404%
93	15.786	2326	2329	2338	rVB4	133034	242586	4.69%	0.248%
94	16.186	2393	2397	2399	rBV	114057	182812	3.54%	0.187%
95	16.474	2438	2446	2457	rVB5	222672	726090	14.05%	0.744%
96	16.627	2465	2472	2479	rVB2	967769	1852744	35.85%	1.897%
97	16.780	2495	2498	2503	rVB	97234	128149	2.48%	0.131%
98	16.833	2503	2507	2512	rBV2	178634	338231	6.54%	0.346%
99	17.033	2533	2541	2548	rBV	709630	1361289	26.34%	1.394%
100	17.239	2571	2576	2581	rVB	113367	186282	3.60%	0.191%

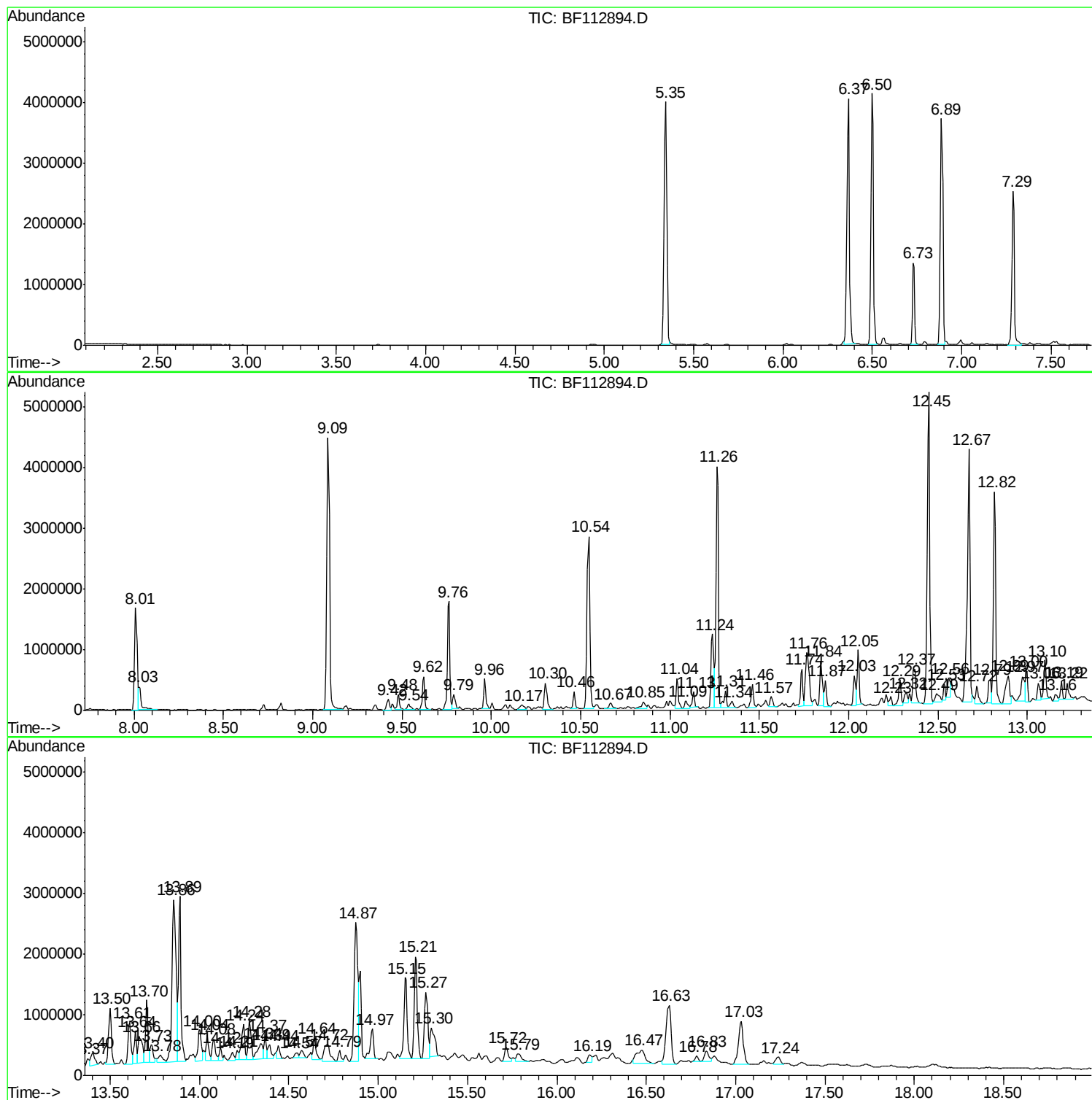
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampled :
Z-2-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.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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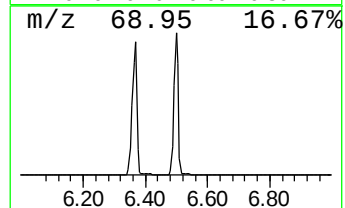
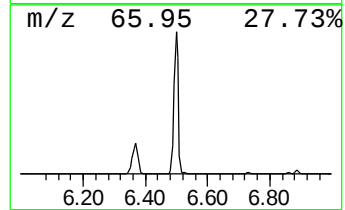
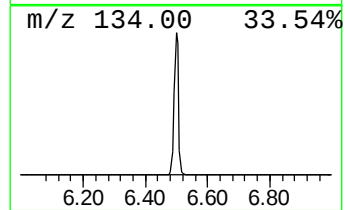
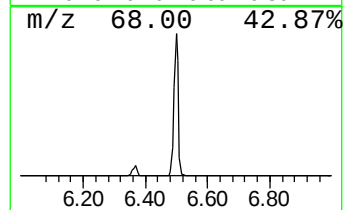
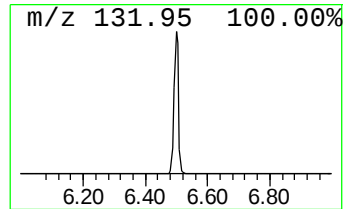
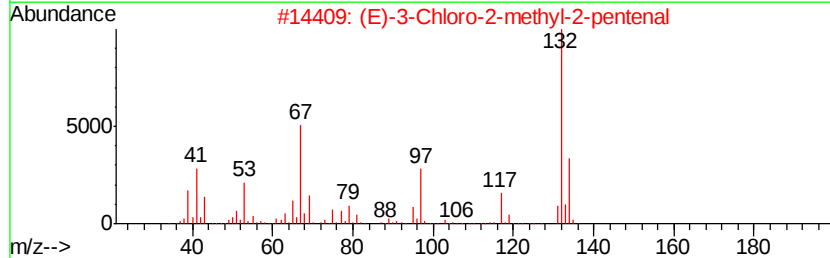
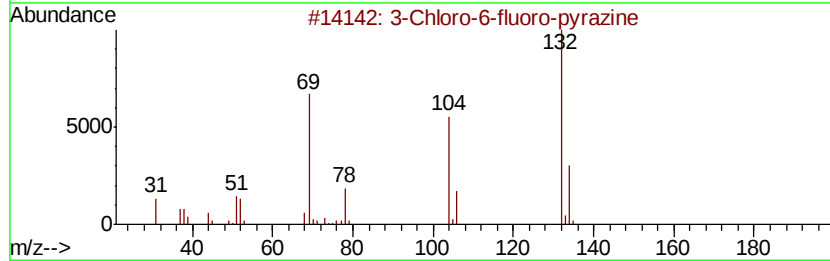
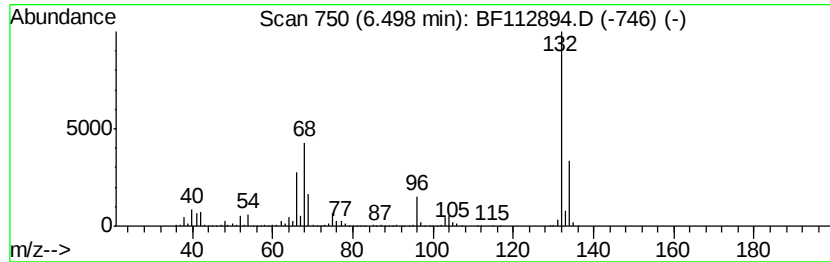
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	68.20 ng	4176690	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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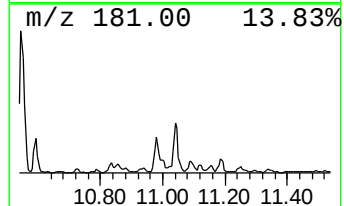
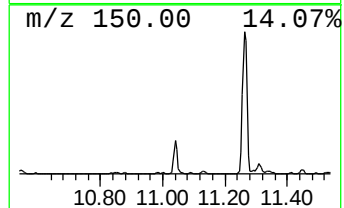
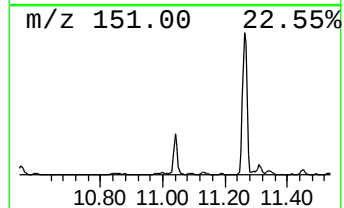
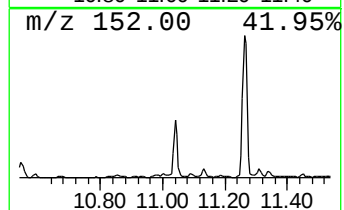
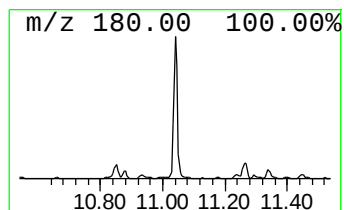
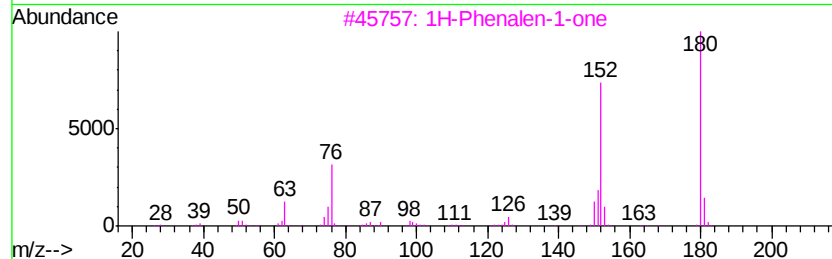
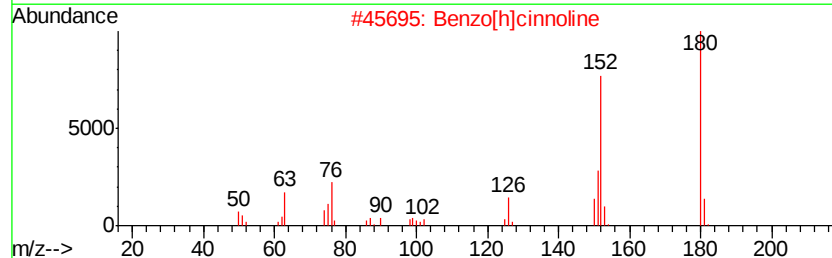
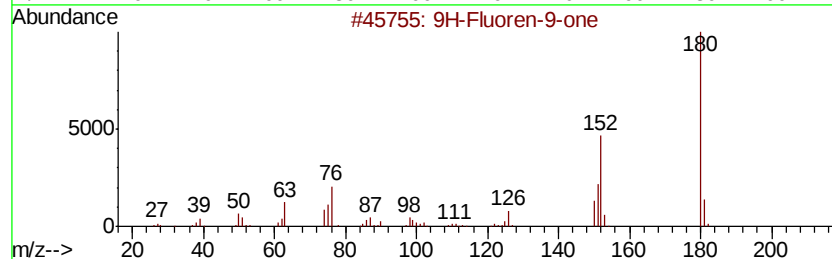
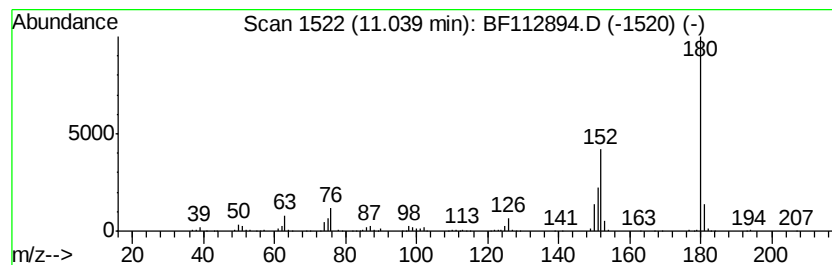
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	7.44 ng	440807	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4		Phenazine	180	C12H8N2	000092-82-0	47
5		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	40



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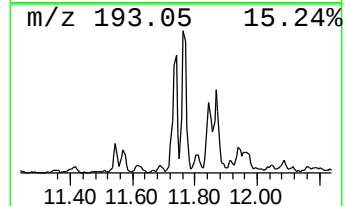
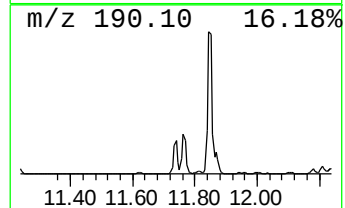
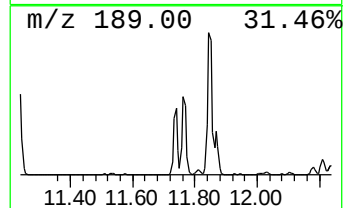
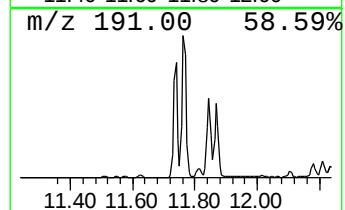
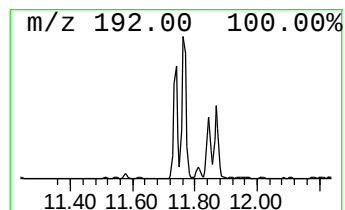
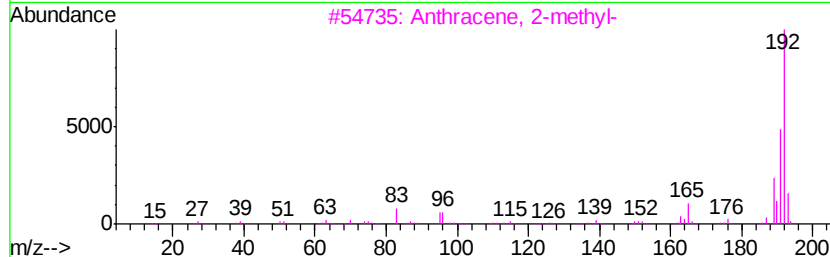
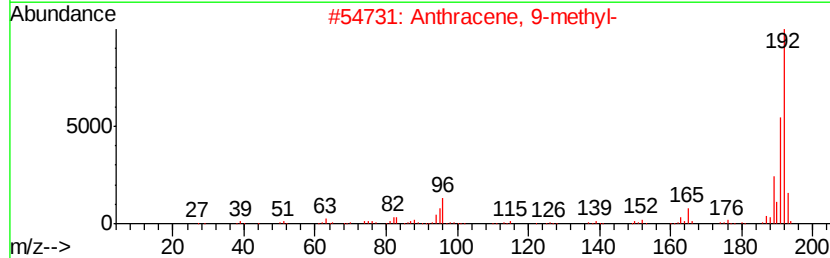
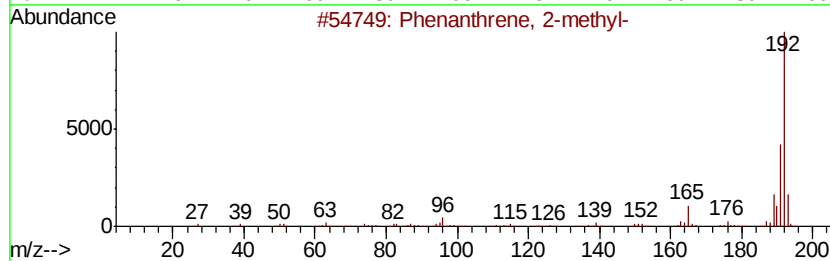
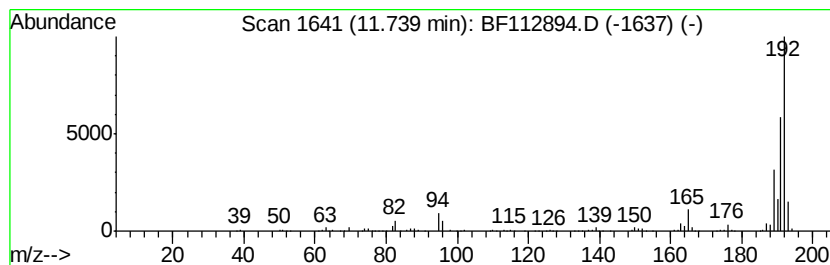
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	9.87 ng	585215	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
Acq On : 6 Mar 2019 21:01
Operator : JU/SJ
Sample : K1753-01
Misc :
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ClientSampleId :
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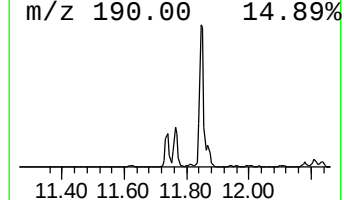
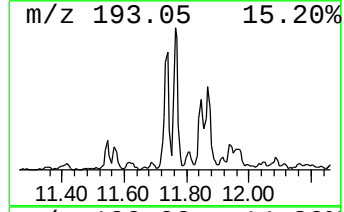
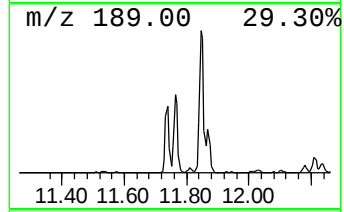
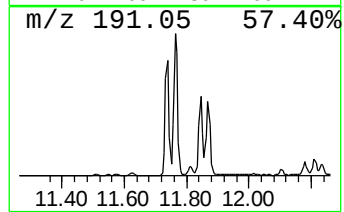
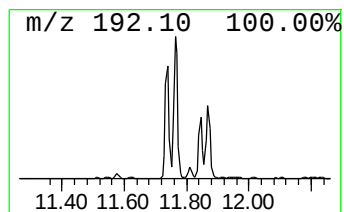
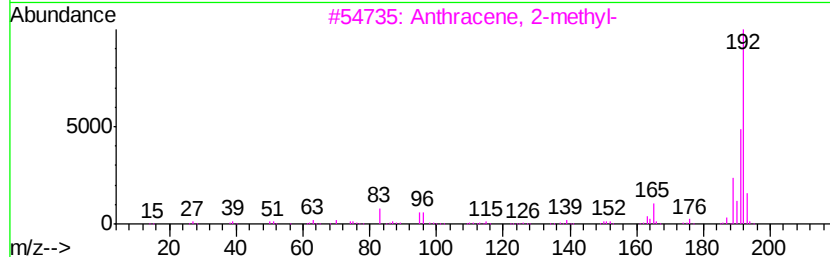
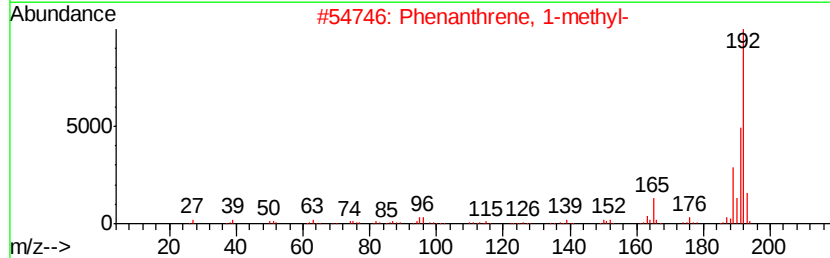
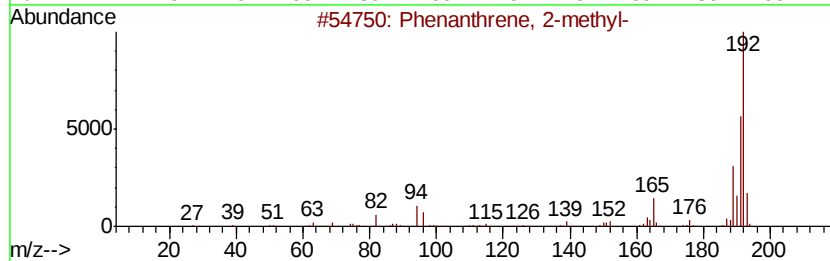
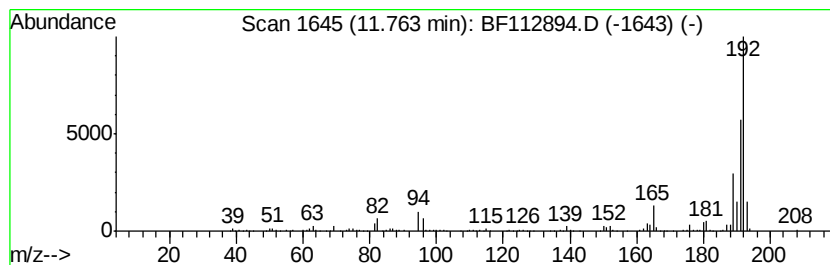
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	20.74 ng	1229240	Phenanthrene-d10	11.24

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-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
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ClientSampleId :
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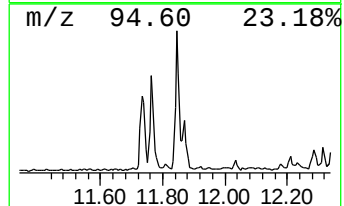
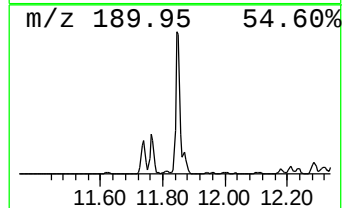
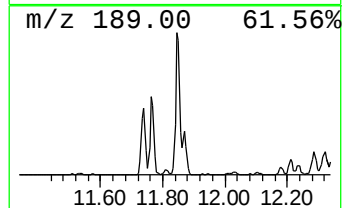
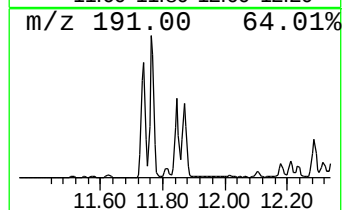
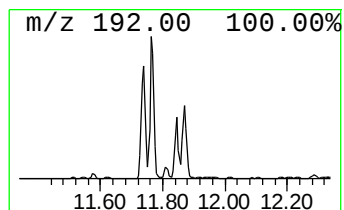
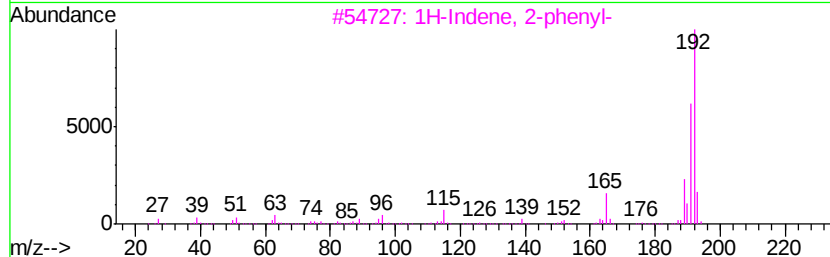
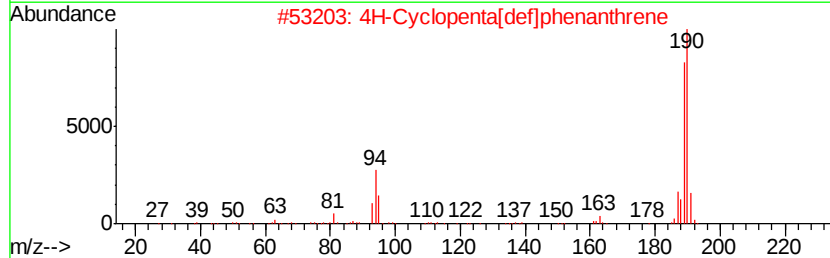
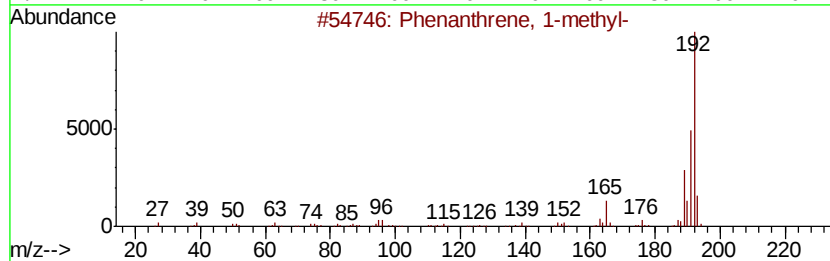
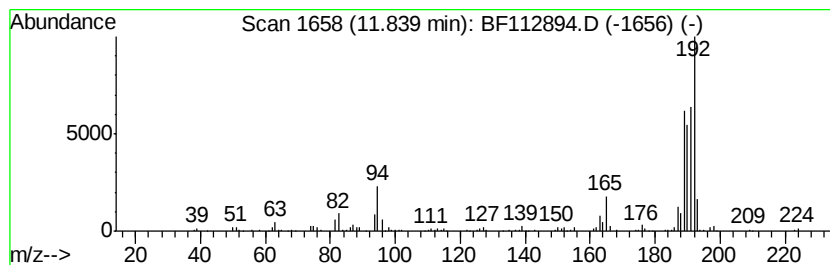
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	11.22 ng	665073	Phenanthrene-d10	11.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
Acq On : 6 Mar 2019 21:01
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Sample : K1753-01
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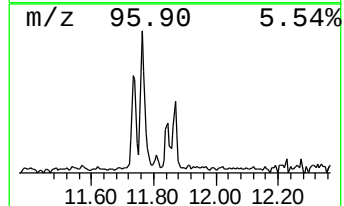
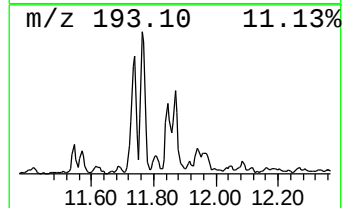
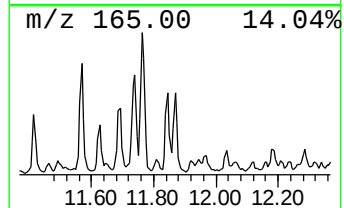
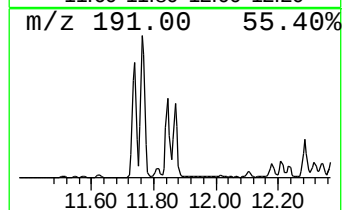
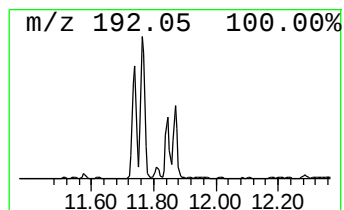
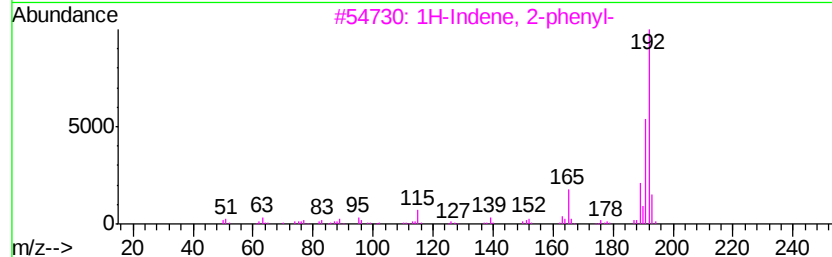
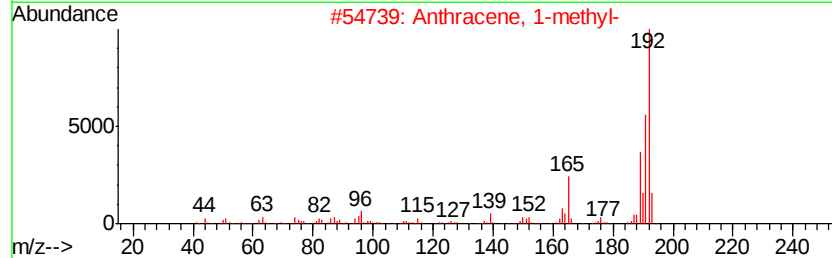
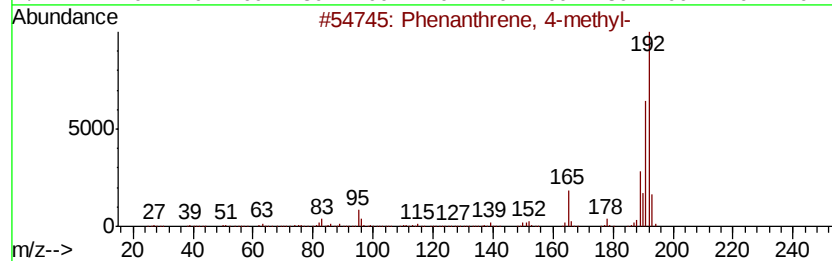
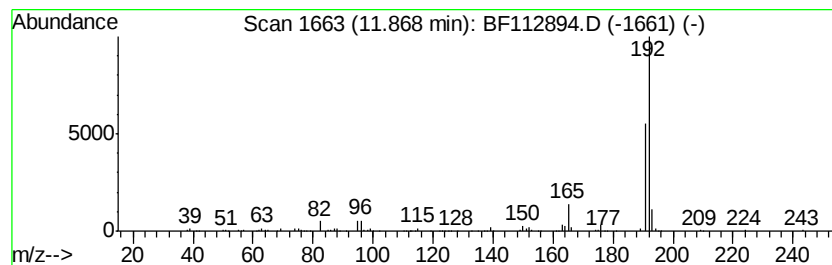
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	6.19 ng	366985	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
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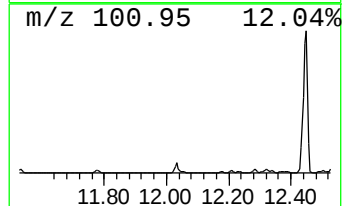
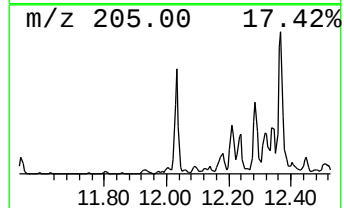
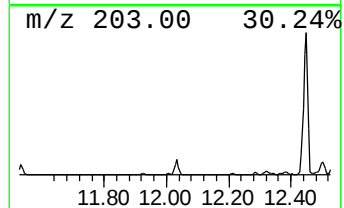
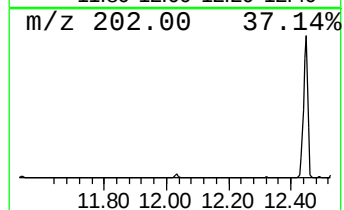
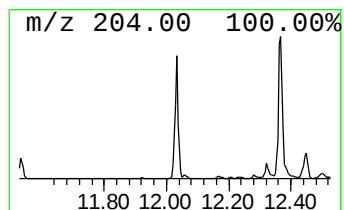
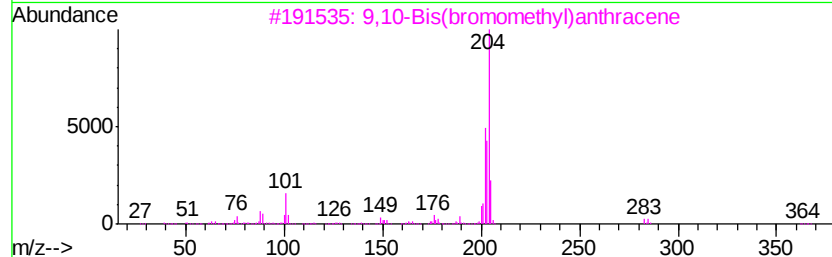
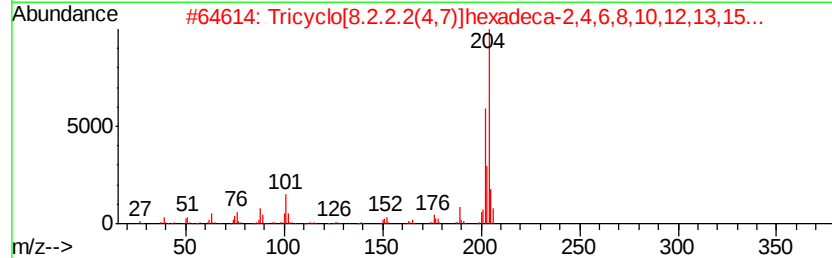
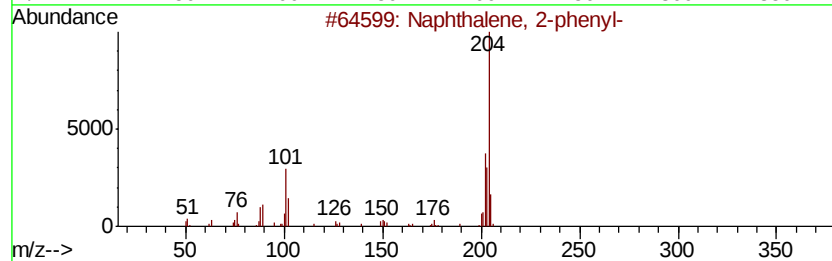
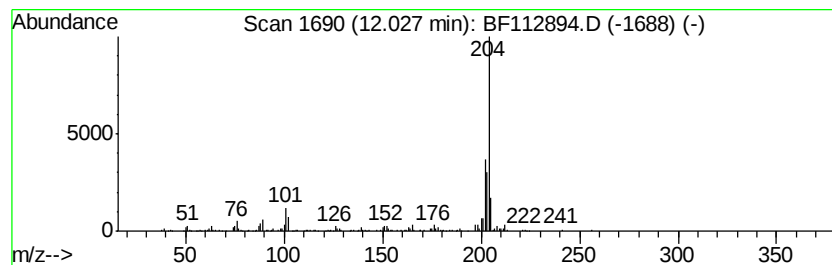
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown12.03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.77 ng	401409	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46



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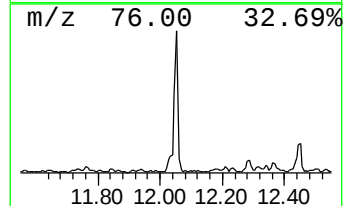
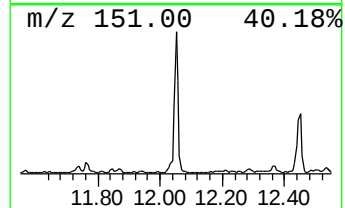
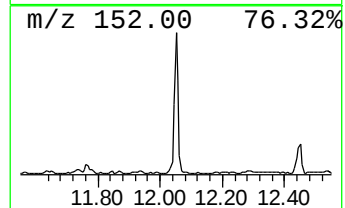
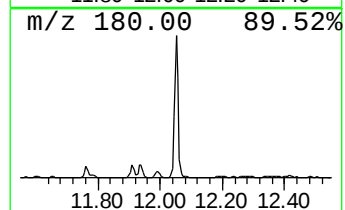
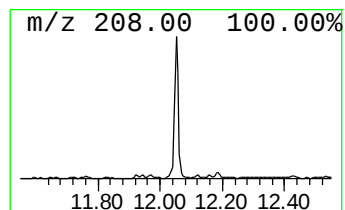
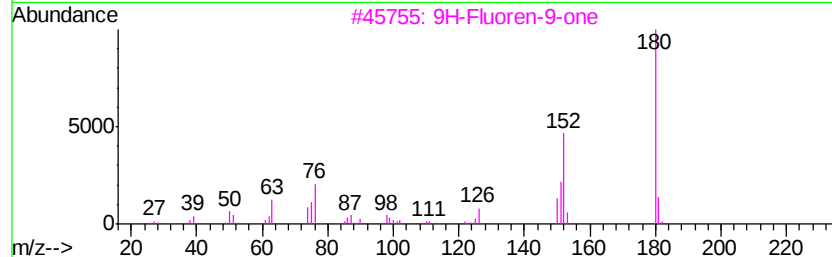
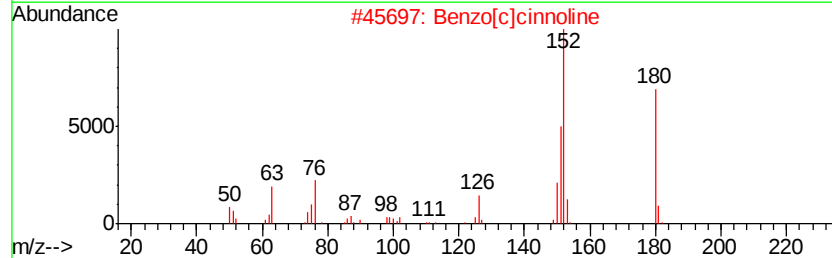
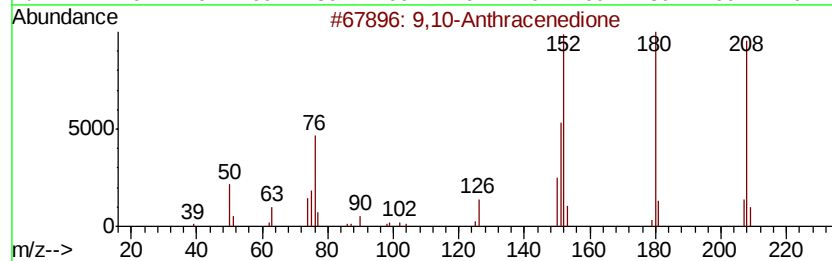
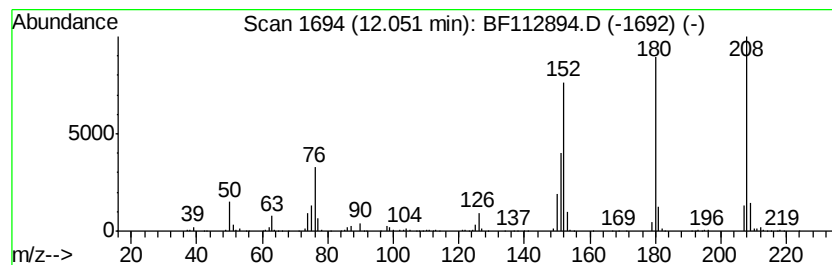
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	12.24 ng	725228	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
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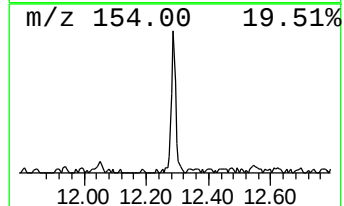
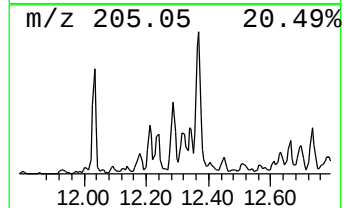
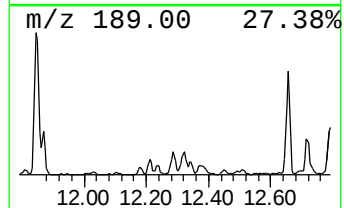
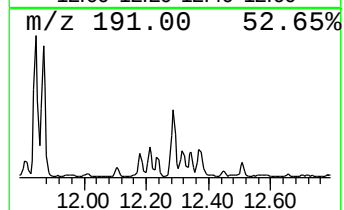
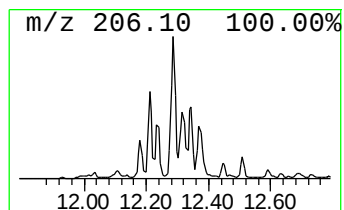
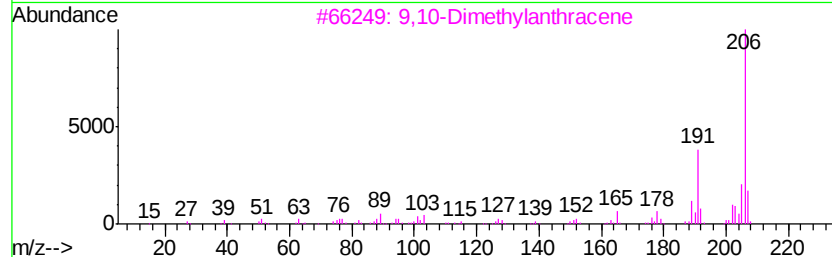
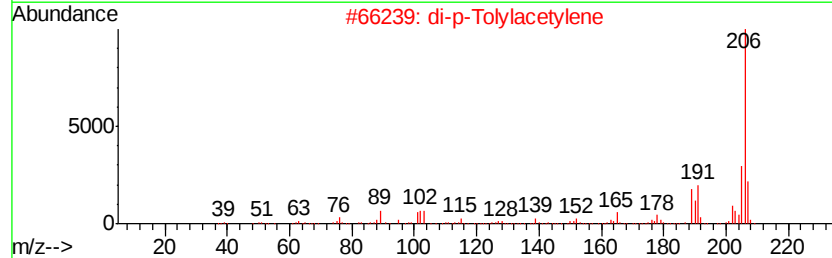
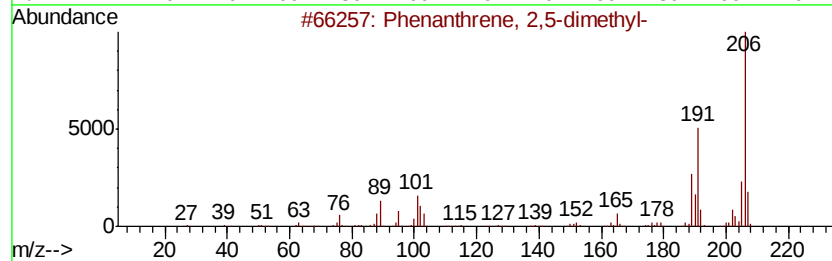
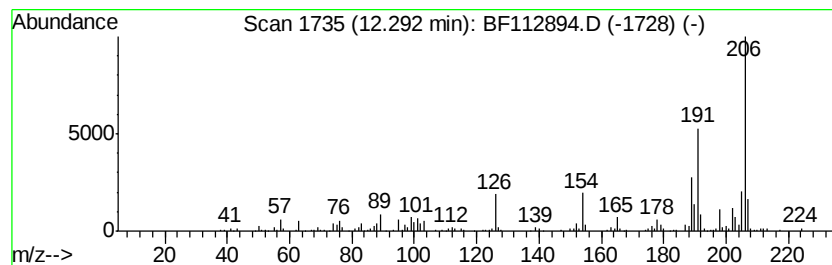
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.29	7.61 ng	451009	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylvene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
Acq On : 6 Mar 2019 21:01
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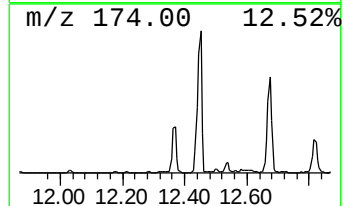
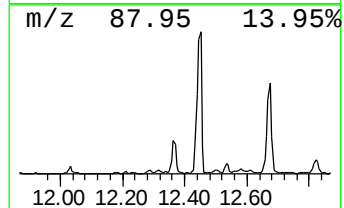
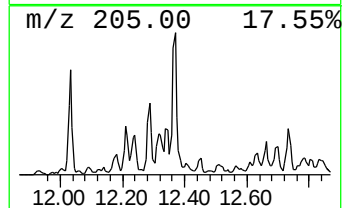
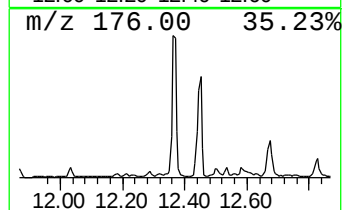
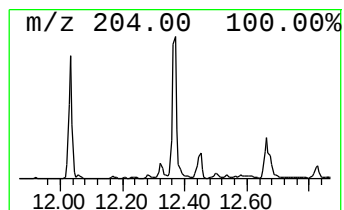
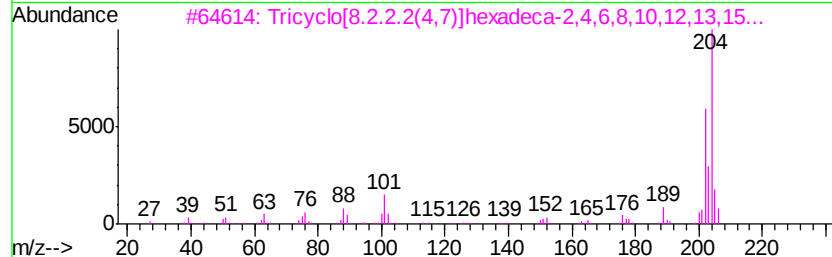
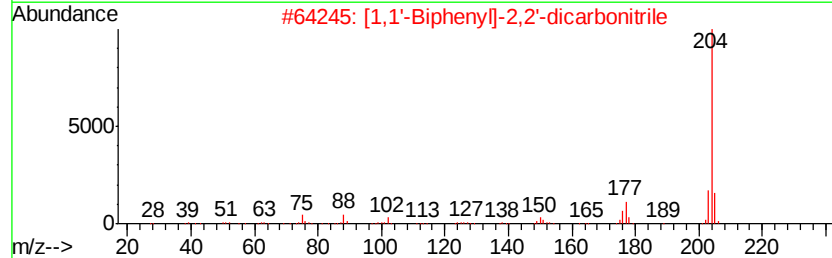
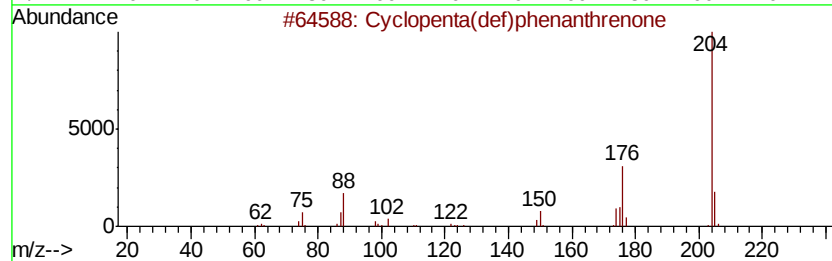
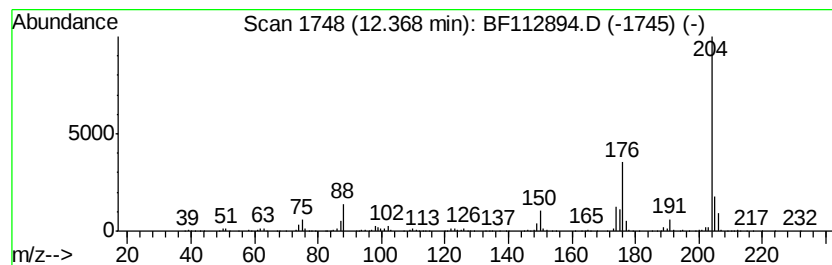
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	9.80 ng	580867	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
Acq On : 6 Mar 2019 21:01
Operator : JU/SJ
Sample : K1753-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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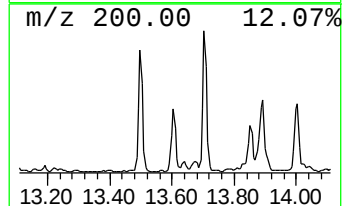
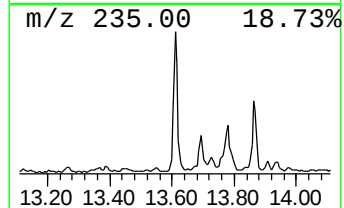
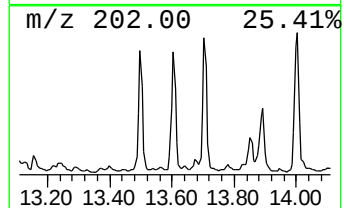
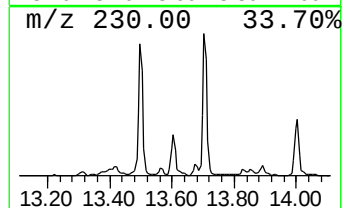
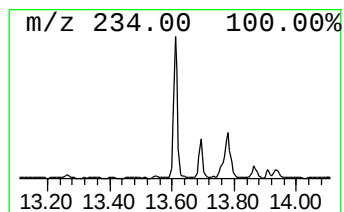
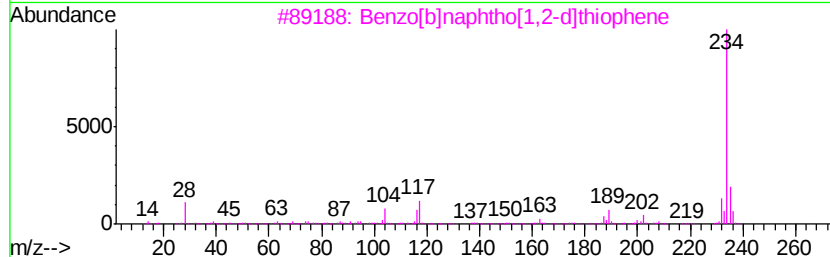
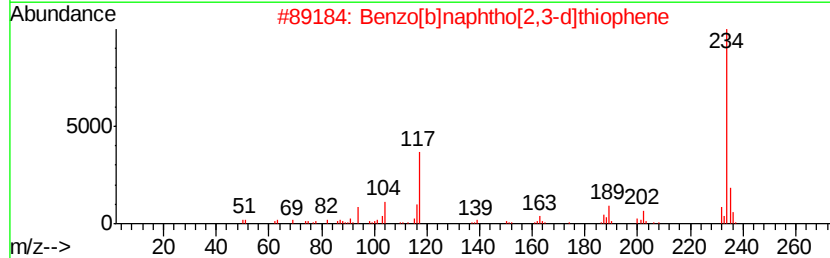
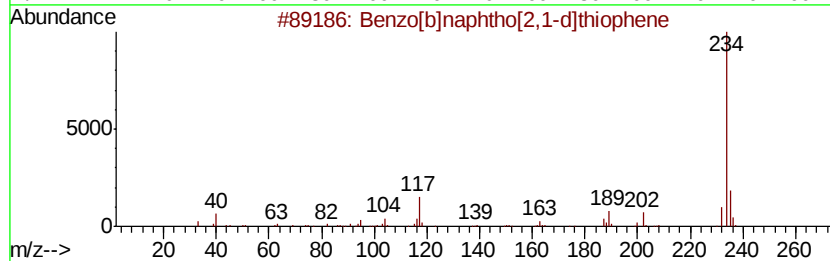
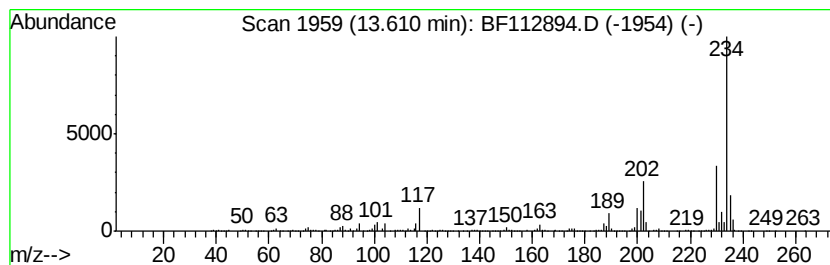
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	4.34 ng	895934	Chrysene-d12	13.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
4		2-Amino-6-t-butyl-3-cvano-4,5,6,...	234	C13H18N2S	042159-76-2	46
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43



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Sample : K1753-01
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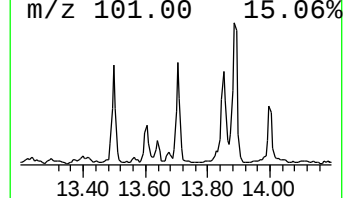
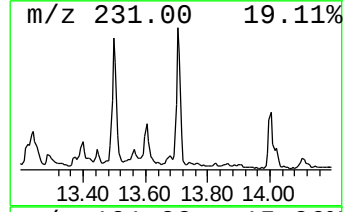
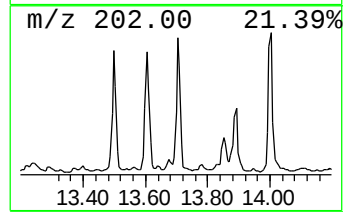
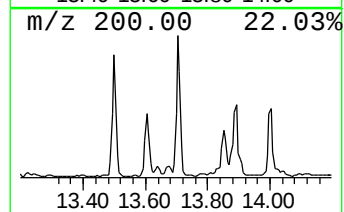
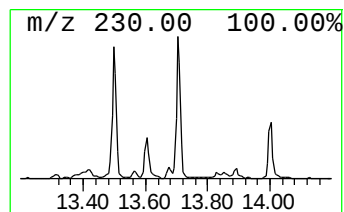
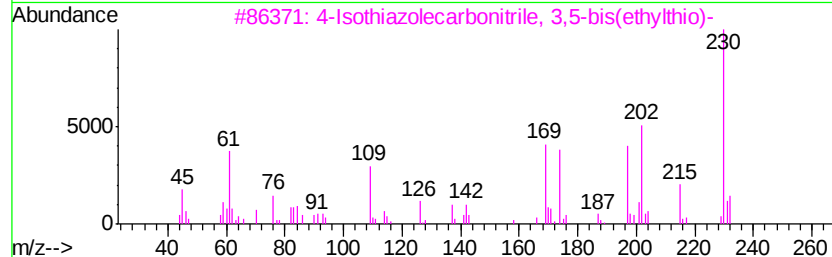
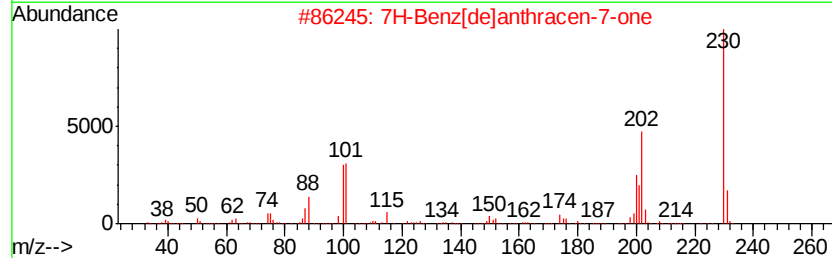
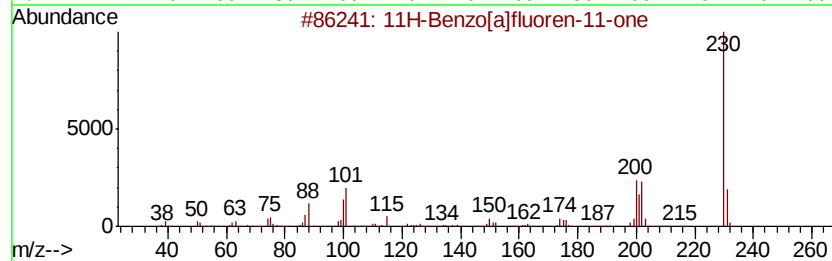
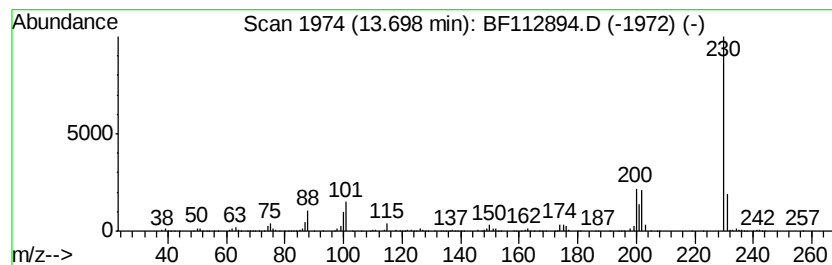
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.70	5.13 ng	1059730	Chrysene-d12	13.86		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[alfluoren-11-one	230	C17H10O	000479-79-8	94
2		7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	90
3		4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4		Dibenzo[c,h][2,6]naphthvyridine	230	C16H10N2	000218-30-4	59
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56



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Sample : K1753-01
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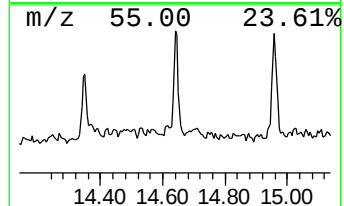
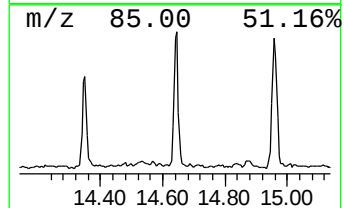
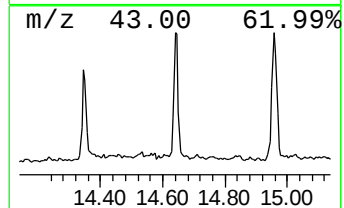
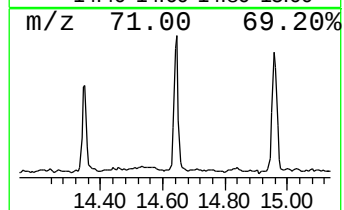
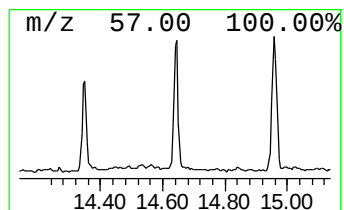
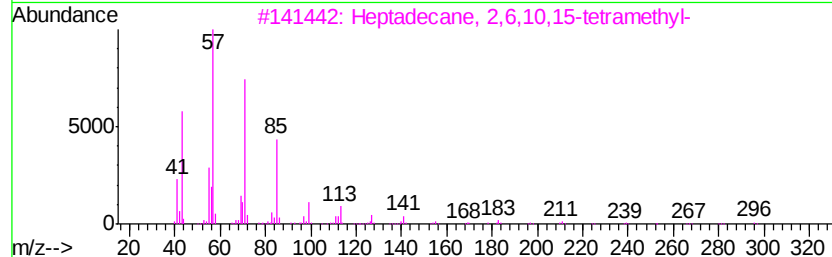
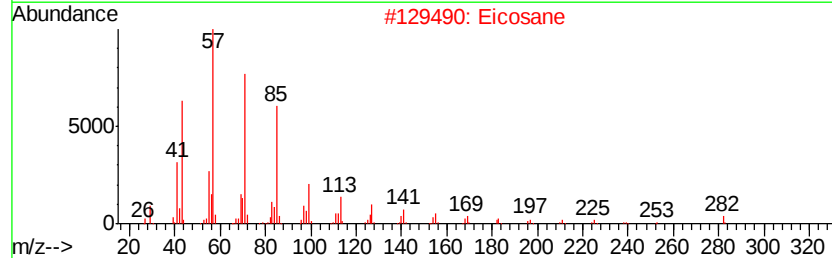
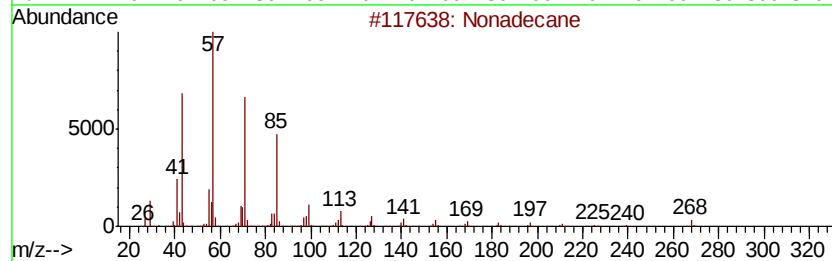
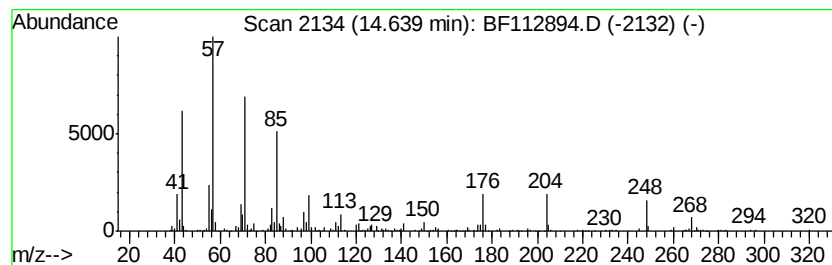
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Nonadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	5.72 ng	396696	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	83
2			Eicosane	282	C20H42	000112-95-8	83
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
4			Heneicosane	296	C21H44	000629-94-7	62
5			1-Iodoundecane	282	C11H23I	004282-44-4	58



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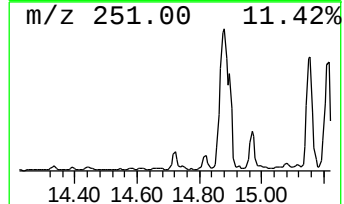
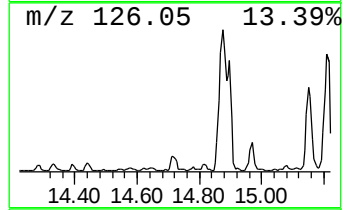
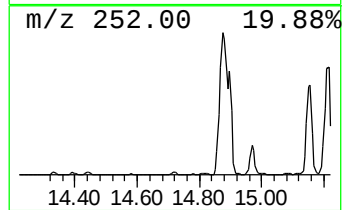
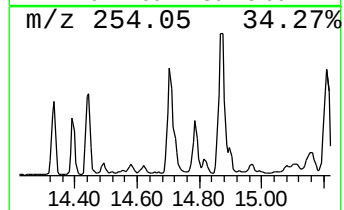
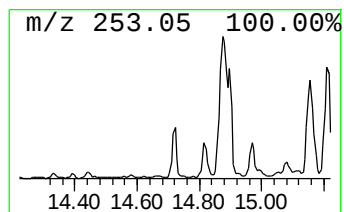
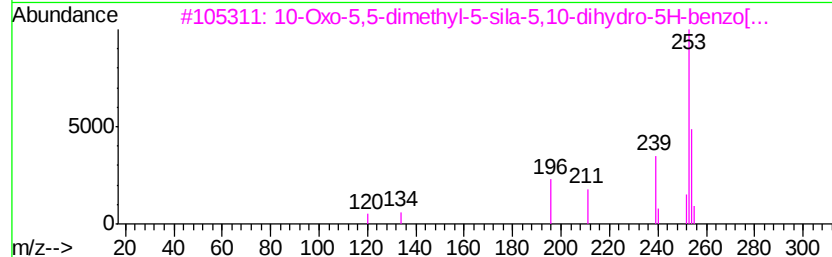
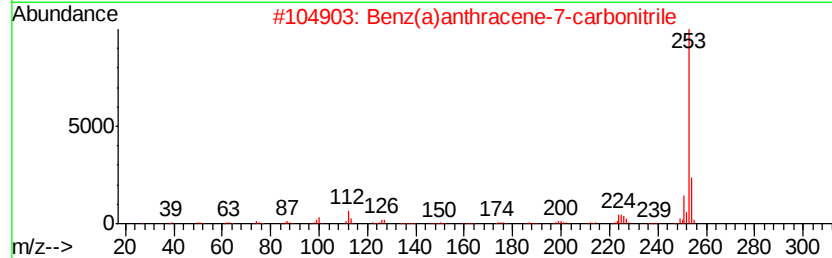
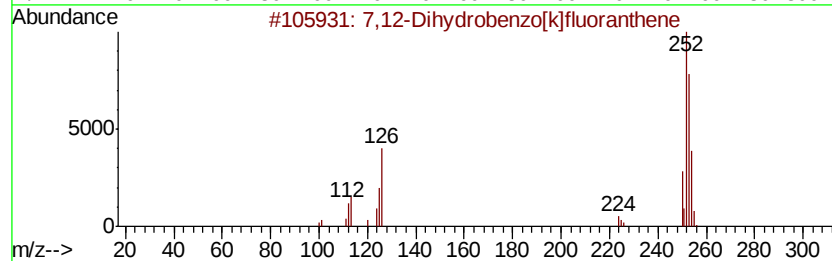
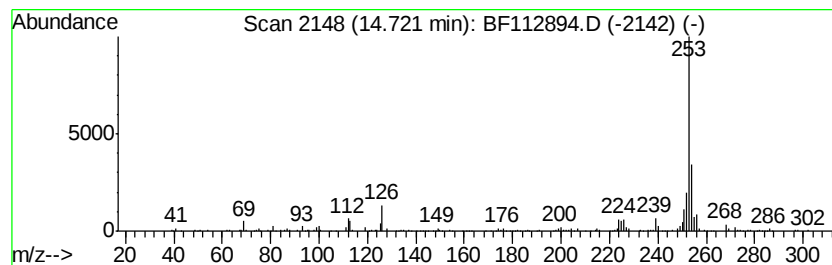
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	9.12 ng	632673	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	74
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
3		10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	64
4		3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	59
5		Coumaran-6,7-diol-3-one, 2-benzy...	254	C15H10O4	029813-90-9	58



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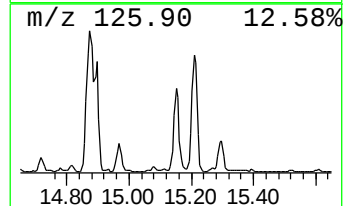
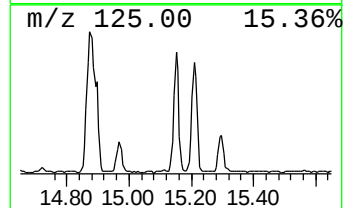
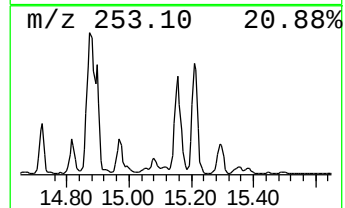
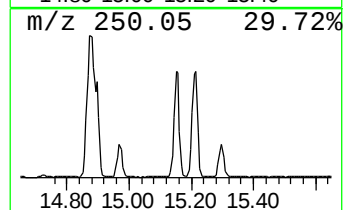
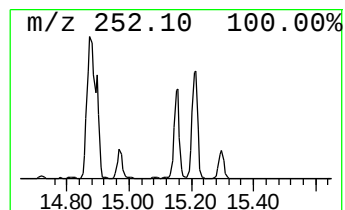
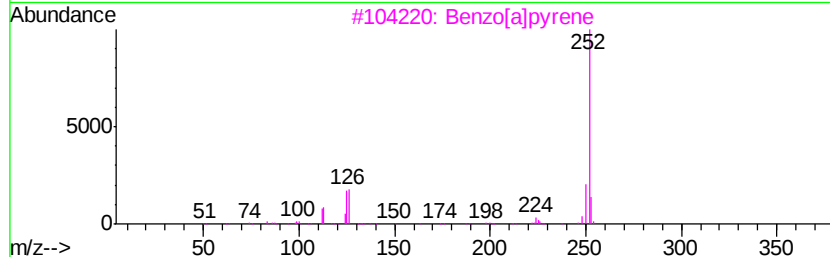
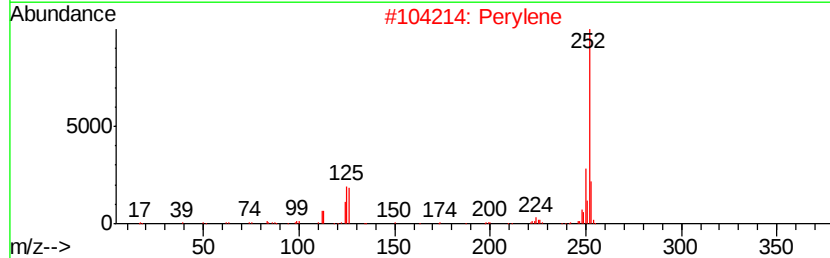
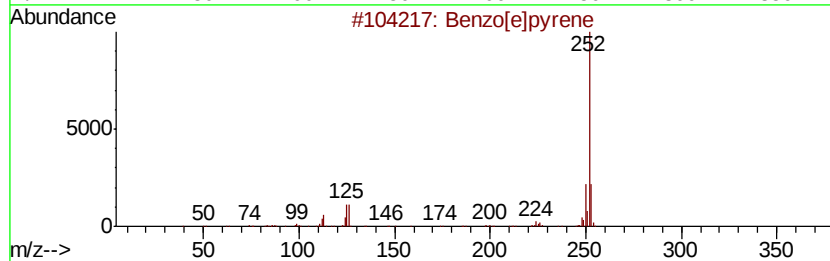
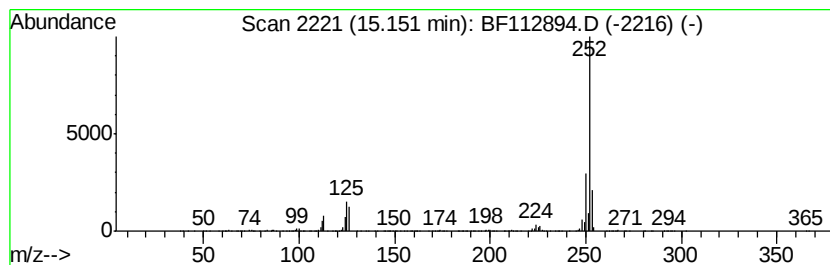
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	26.13 ng	1813540	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



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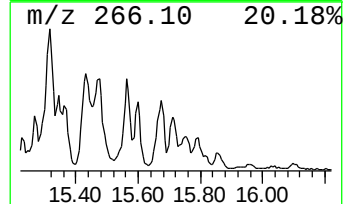
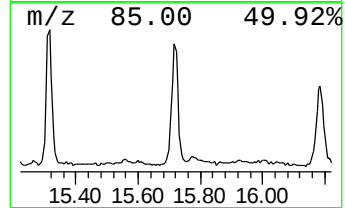
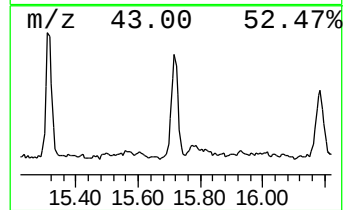
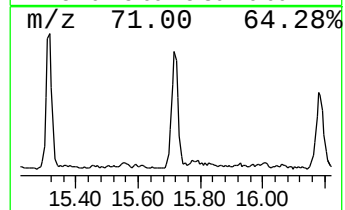
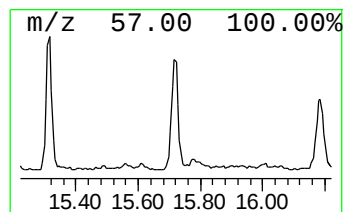
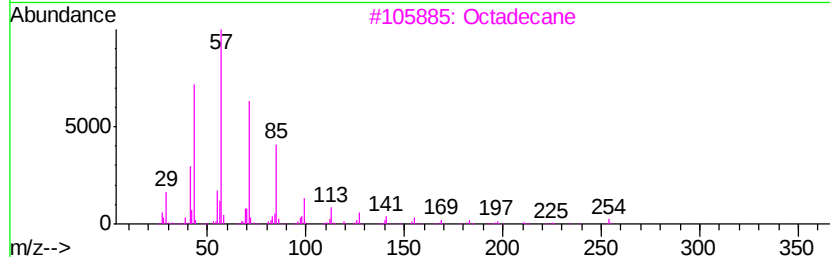
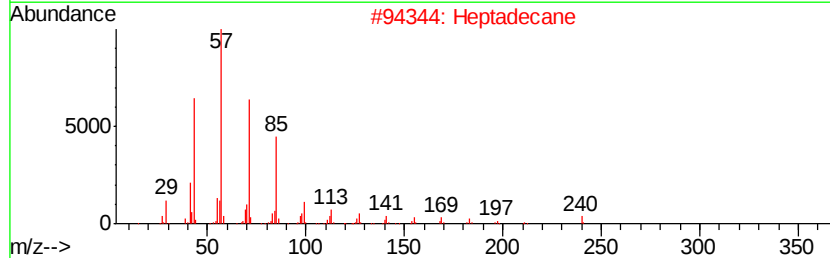
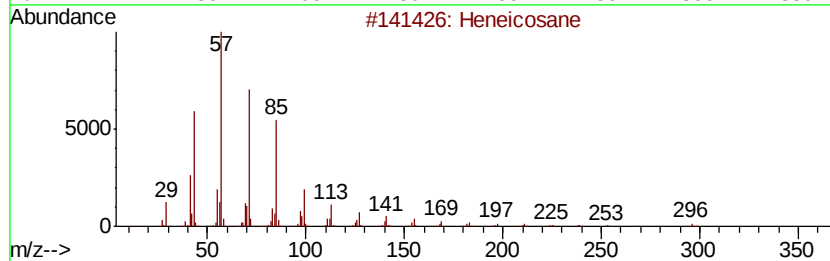
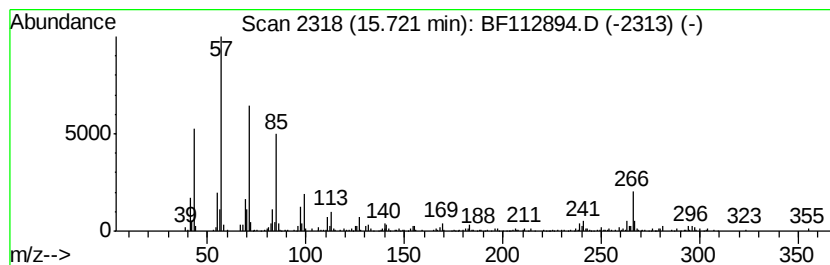
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	5.68 ng	394394	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	97
2			Heptadecane	240	C17H36	000629-78-7	90
3			Octadecane	254	C18H38	000593-45-3	89
4			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	55
5			Hexacosane	366	C26H54	000630-01-3	55



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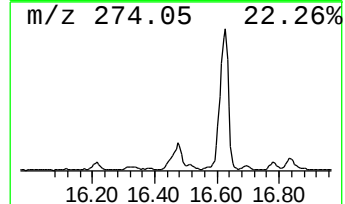
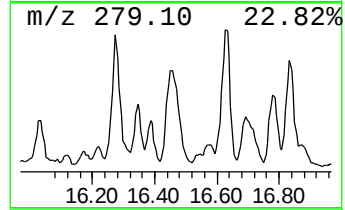
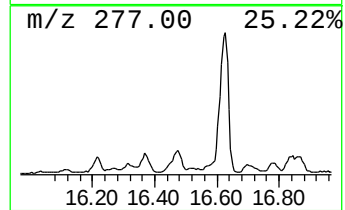
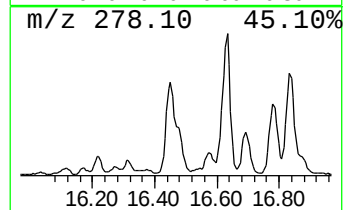
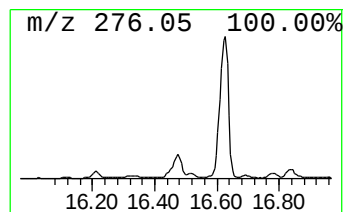
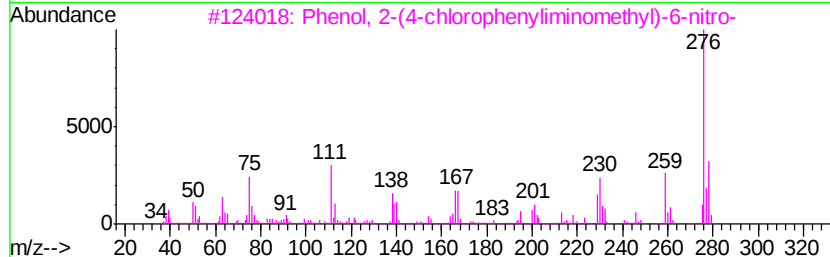
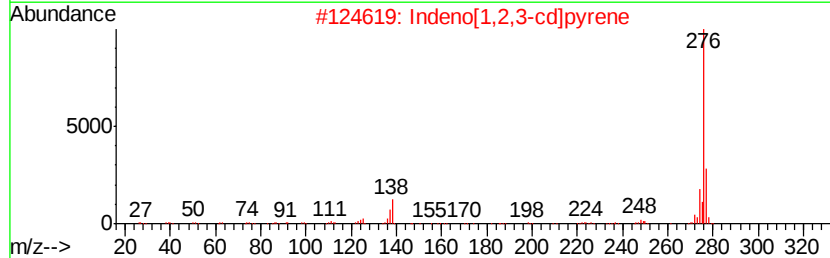
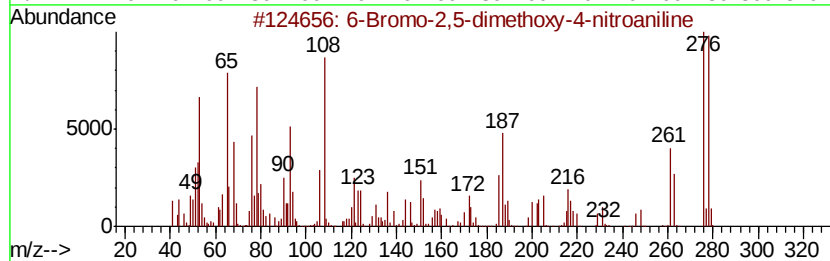
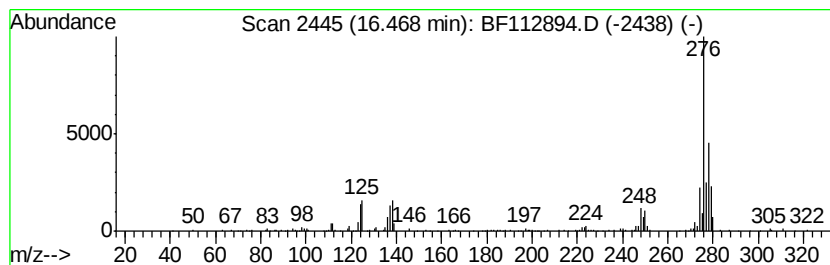
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 6-Bromo-2,5-dimethoxy-4-nit... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	10.46 ng	726090	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Bromo-2,5-dimethoxy-4-nitroani...	276	C8H9BrN2O4	1000214-34-8	60
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	55
3		Phenol, 2-(4-chlorophenyl)iminome...	276	C13H9ClN2O3	1000262-90-3	53
4		2-Chloro-7-methoxyphenazine 5,10...	276	C13H9ClN2O3	023677-04-5	53
5		Benzo[ghi]perylene	276	C22H12	000191-24-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112894.D
Acq On : 6 Mar 2019 21:01
Operator : JU/SJ
Sample : K1753-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-2-5

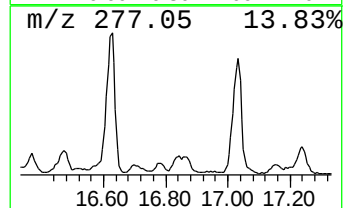
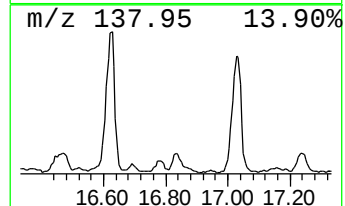
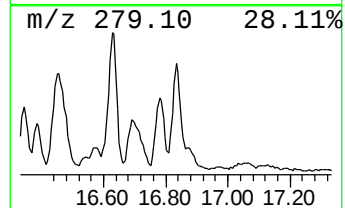
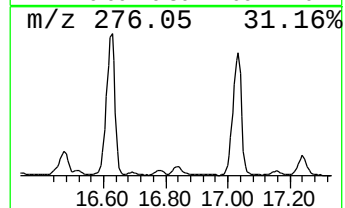
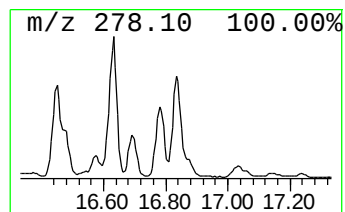
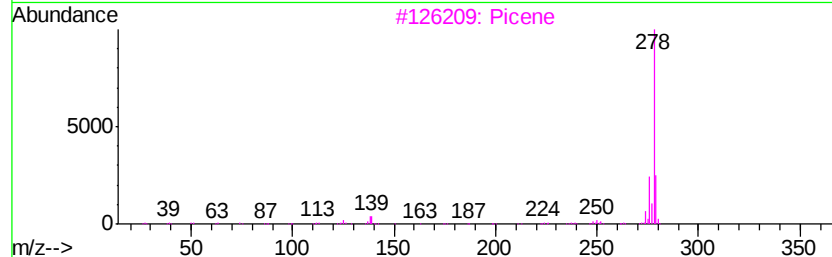
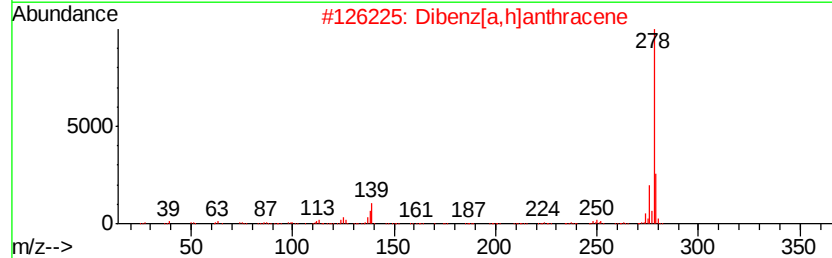
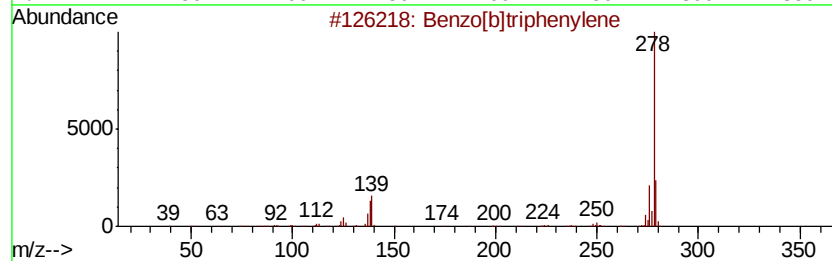
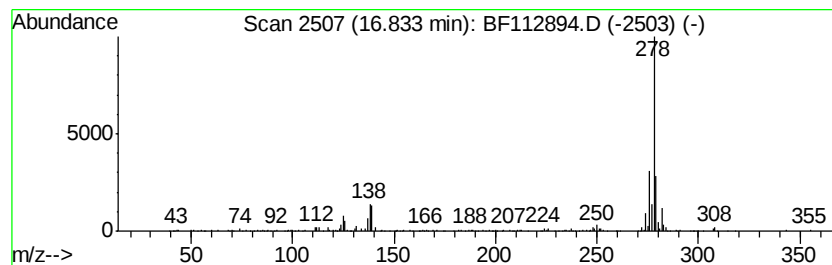
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	4.87 ng	338231	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Picene	278	C22H14	000213-46-7	95
4		Pentaphene	278	C22H14	000222-93-5	95
5		Benzo[b]chrysene	278	C22H14	000214-17-5	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112894.D
 Acq On : 6 Mar 2019 21:01
 Operator : JU/SJ
 Sample : K1753-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.50	6.50	68.2	ng	4176690	1	6.73	1224920	20.0
9H-Fluoren-9-one	11.04	7.4	ng	440807	4	11.24	1185490	20.0
Phenanthrene, 2-m...	11.74	9.9	ng	585215	4	11.24	1185490	20.0
Anthracene, 2-met...	11.76	20.7	ng	1229240	4	11.24	1185490	20.0
Phenanthrene, 1-m...	11.84	11.2	ng	665073	4	11.24	1185490	20.0
Phenanthrene, 4-m...	11.87	6.2	ng	366985	4	11.24	1185490	20.0
unknown12.03	12.03	6.8	ng	401409	4	11.24	1185490	20.0
9,10-Anthracenedione	12.05	12.2	ng	725228	4	11.24	1185490	20.0
Phenanthrene, 2,5...	12.29	7.6	ng	451009	4	11.24	1185490	20.0
Cyclopenta(def)ph...	12.37	9.8	ng	580867	4	11.24	1185490	20.0
Benzo[b]naphtho[2...	13.61	4.3	ng	895934	5	13.86	4129080	20.0
11H-Benzo[a]fluor...	13.70	5.1	ng	1059730	5	13.86	4129080	20.0
Nonadecane	14.64	5.7	ng	396696	6	15.27	1387970	20.0
7,12-Dihydrobenzo...	14.72	9.1	ng	632673	6	15.27	1387970	20.0
Benzo[e]pyrene	15.15	26.1	ng	1813540	6	15.27	1387970	20.0
Heneicosane	15.72	5.7	ng	394394	6	15.27	1387970	20.0
6-Bromo-2,5-dimet...	16.47	10.5	ng	726090	6	15.27	1387970	20.0
Benzo[b]triphenylene	16.83	4.9	ng	338231	6	15.27	1387970	20.0