

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116401.D
 Acq On : 19 Aug 2019 21:28
 Operator : HP/JU
 Sample : K4277-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

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-BF073019.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	5.434	566	569	606	rBV	656105	1202705	58.11%	4.650%
2	6.445	738	741	760	rBV	1023662	1325018	64.02%	5.123%
3	6.581	760	764	775	rVB	1278218	1374700	66.42%	5.315%
4	6.804	799	802	815	rBV	496729	486934	23.53%	1.883%
5	6.957	825	828	853	rBV	1061963	1072763	51.83%	4.148%
6	7.369	895	898	925	rBV	687255	846054	40.88%	3.271%
7	8.087	1017	1020	1042	rBV	595219	650909	31.45%	2.517%
8	9.151	1198	1201	1213	rBV	1869259	1642872	79.38%	6.352%
9	9.551	1266	1269	1279	rBV	288301	267113	12.91%	1.033%
10	9.704	1292	1295	1303	rBV	41507	34726	1.68%	0.134%
11	9.833	1314	1317	1321	rBV	952692	775332	37.46%	2.998%
12	9.869	1321	1323	1330	rVB	32135	36609	1.77%	0.142%
13	10.398	1406	1413	1418	rBV2	18345	25555	1.23%	0.099%
14	10.628	1448	1452	1467	rBV	856234	1035194	50.02%	4.003%
15	11.175	1543	1545	1549	rVB2	24507	25029	1.21%	0.097%
16	11.322	1566	1570	1572	rBV	1003799	866457	41.87%	3.350%
17	11.345	1572	1574	1579	rVV	594747	566500	27.37%	2.190%
18	11.410	1582	1585	1594	rVB	87029	112157	5.42%	0.434%
19	11.575	1611	1613	1617	rBV	41205	37140	1.79%	0.144%
20	11.827	1653	1656	1659	rBV	97944	97344	4.70%	0.376%
21	11.857	1659	1661	1667	rVV	126358	120252	5.81%	0.465%
22	11.910	1667	1670	1672	rVV	39953	34636	1.67%	0.134%
23	11.939	1672	1675	1677	rVV	147294	145859	7.05%	0.564%
24	11.963	1677	1679	1684	rVB	64867	66460	3.21%	0.257%
25	12.122	1702	1706	1711	rVB	63720	59153	2.86%	0.229%
26	12.175	1711	1715	1722	rBV2	42371	57974	2.80%	0.224%
27	12.269	1729	1731	1735	rBV	27224	27715	1.34%	0.107%
28	12.374	1745	1749	1751	rBV	77385	70842	3.42%	0.274%
29	12.474	1764	1766	1773	rVB	61341	69955	3.38%	0.270%
30	12.533	1773	1776	1782	rBV	1254540	1236686	59.76%	4.782%
31	12.639	1792	1794	1799	rVB2	24030	29497	1.43%	0.114%
32	12.692	1799	1803	1808	rBV2	74263	81546	3.94%	0.315%
33	12.763	1809	1815	1822	rVV	1341646	1362658	65.84%	5.269%
34	12.822	1822	1825	1830	rVB	60501	60004	2.90%	0.232%

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35	12.898	1834	1838	1841	rVV	2309269	2069586	100.00%	8.002%
36	12.945	1844	1846	1849	rVB	43684	37809	1.83%	0.146%
37	12.986	1849	1853	1858	rBV2	68878	118786	5.74%	0.459%
38	13.074	1864	1868	1870	rBV2	58111	78986	3.82%	0.305%
39	13.098	1870	1872	1878	rVB	106274	114443	5.53%	0.442%
40	13.163	1878	1883	1886	rBV2	45269	54914	2.65%	0.212%
41	13.204	1886	1890	1894	rBV2	122057	146640	7.09%	0.567%
42	13.298	1903	1906	1909	rBV	66356	69582	3.36%	0.269%
43	13.327	1909	1911	1921	rVB2	70344	96781	4.68%	0.374%
44	13.621	1956	1961	1966	rVB	93722	105291	5.09%	0.407%
45	13.739	1975	1981	1984	rVB3	116659	182302	8.81%	0.705%
46	13.774	1984	1987	1988	rBV	85405	84805	4.10%	0.328%
47	13.792	1988	1990	1994	rVV2	112524	147896	7.15%	0.572%
48	13.827	1994	1996	2001	rVB	107480	120526	5.82%	0.466%
49	13.886	2001	2006	2009	rBV	24673	35321	1.71%	0.137%
50	13.963	2013	2019	2022	rVV2	1188436	1692358	81.77%	6.544%
51	13.992	2022	2024	2031	rVB	533438	538959	26.04%	2.084%
52	14.074	2035	2038	2041	rVB	73679	66098	3.19%	0.256%
53	14.139	2044	2049	2053	rVV5	44579	65348	3.16%	0.253%
54	14.204	2056	2060	2066	rVB2	49493	92489	4.47%	0.358%
55	14.357	2081	2086	2090	rBV	118674	128562	6.21%	0.497%
56	14.392	2090	2092	2096	rVV2	51123	61106	2.95%	0.236%
57	14.427	2096	2098	2101	rVV	57182	54677	2.64%	0.211%
58	14.480	2105	2107	2114	rVB4	44412	82084	3.97%	0.317%
59	14.551	2114	2119	2126	rVB4	32163	43096	2.08%	0.167%
60	14.704	2138	2145	2149	rBV2	79431	117706	5.69%	0.455%
61	14.780	2154	2158	2162	rVB6	19919	28650	1.38%	0.111%
62	14.863	2167	2172	2178	rBV4	40670	75974	3.67%	0.294%
63	14.957	2183	2188	2192	rBV2	28349	38918	1.88%	0.150%
64	14.998	2192	2195	2198	rBV	458903	610476	29.50%	2.360%
65	15.027	2198	2200	2207	rVB2	244218	314359	15.19%	1.215%
66	15.115	2212	2215	2221	rBV	63101	77314	3.74%	0.299%
67	15.198	2226	2229	2235	rBV	26430	52477	2.54%	0.203%
68	15.298	2242	2246	2253	rVB	257491	317173	15.33%	1.226%
69	15.363	2253	2257	2263	rBV	367457	510765	24.68%	1.975%
70	15.415	2263	2266	2271	rVV	596369	717190	34.65%	2.773%
71	15.604	2294	2298	2301	rBV2	15672	22686	1.10%	0.088%

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72	15.804	2327	2332	2337	rVB3	43414	70932	3.43%	0.274%
73	15.927	2349	2353	2361	rVB7	12885	27803	1.34%	0.108%
74	16.286	2409	2414	2418	rBV4	21175	36354	1.76%	0.141%
75	16.692	2478	2483	2487	rBV2	19994	32718	1.58%	0.127%
76	16.745	2487	2492	2498	rVB2	13918	22373	1.08%	0.087%
77	16.892	2512	2517	2528	rVB	120354	245257	11.85%	0.948%
78	17.068	2542	2547	2551	rBV2	25497	46740	2.26%	0.181%
79	17.121	2553	2556	2566	rVB3	19068	42883	2.07%	0.166%
80	17.333	2586	2592	2604	rBV	87866	213496	10.32%	0.825%
81	17.615	2635	2640	2651	rBV	19471	47970	2.32%	0.185%

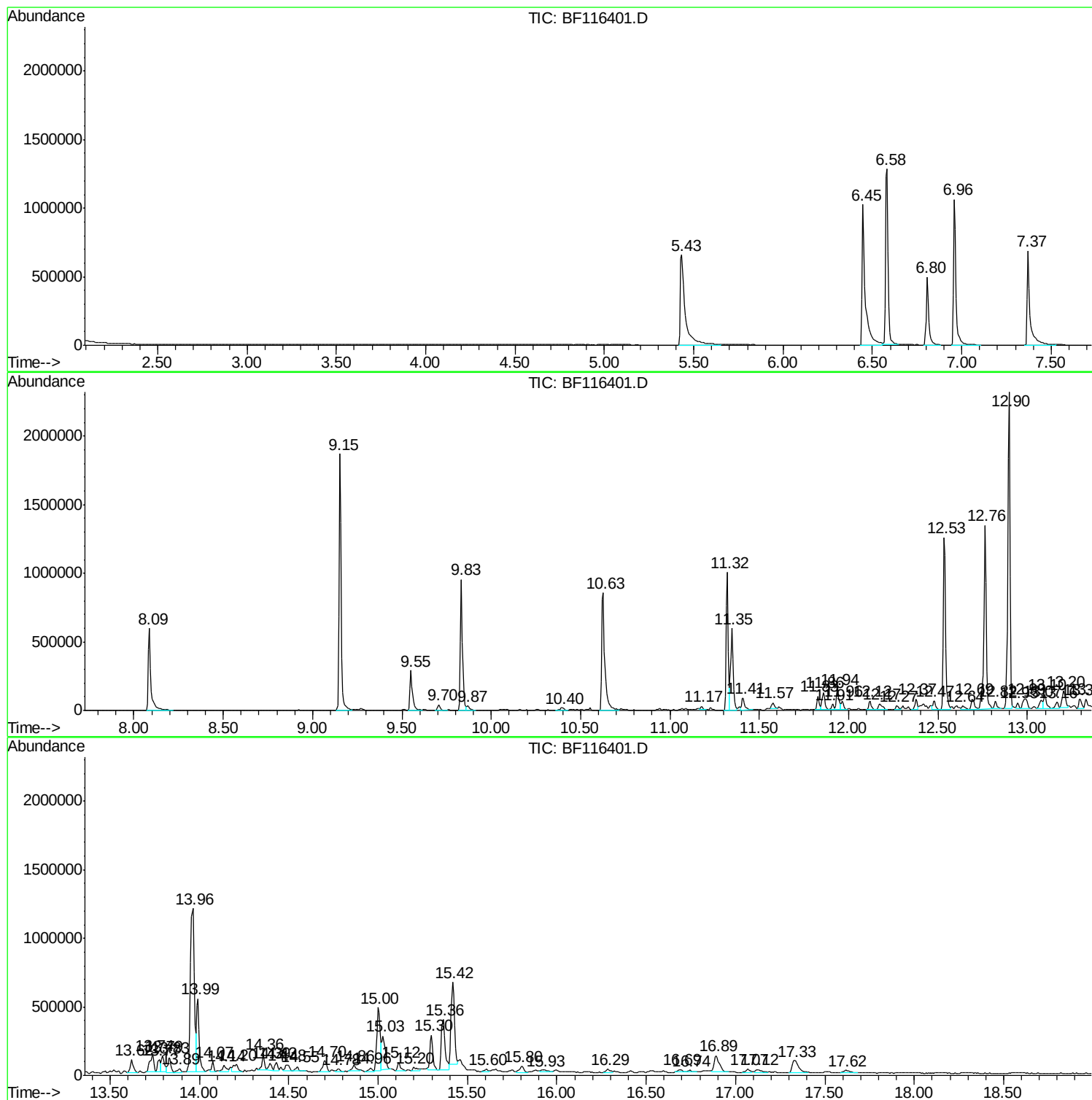
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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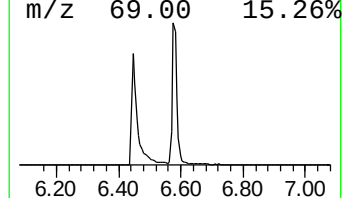
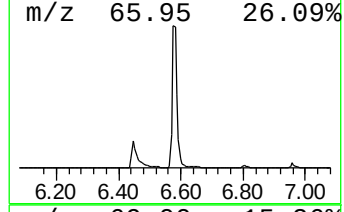
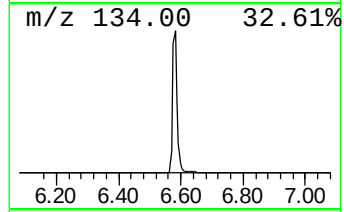
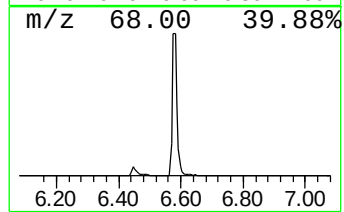
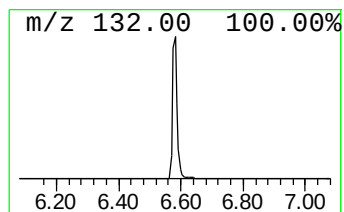
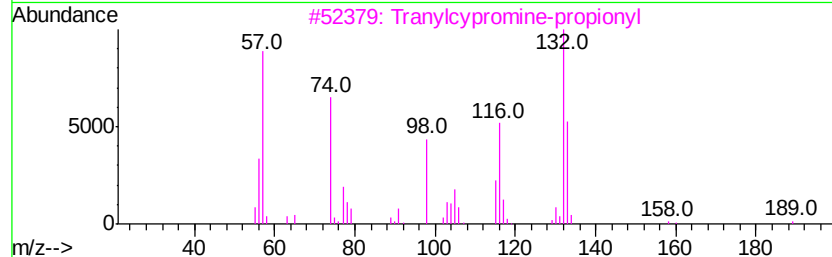
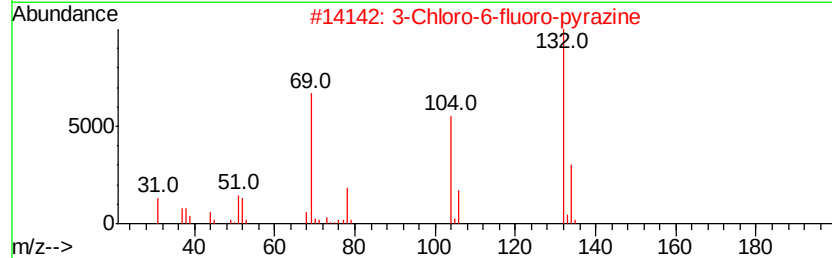
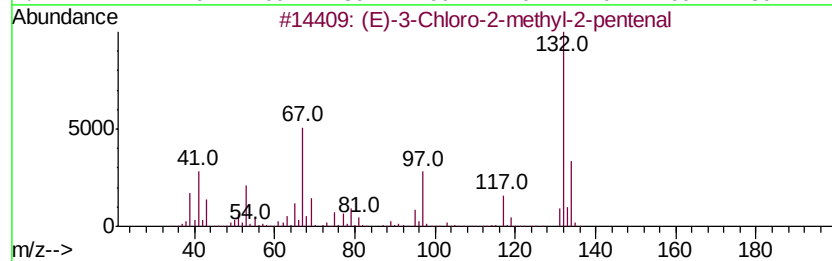
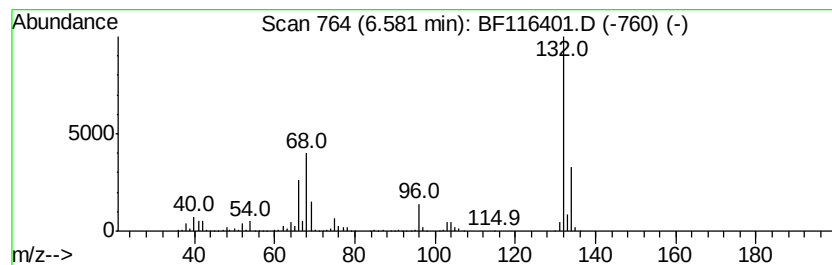
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	56.46 ng	1374700	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	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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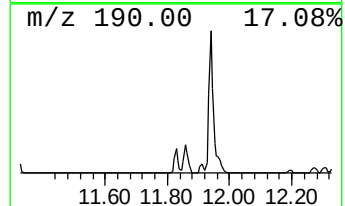
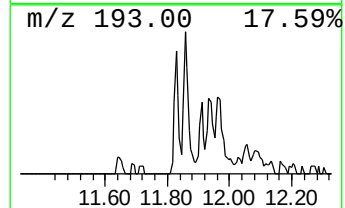
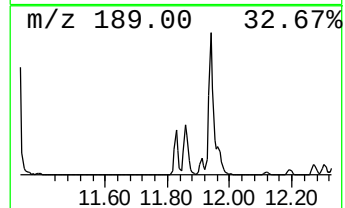
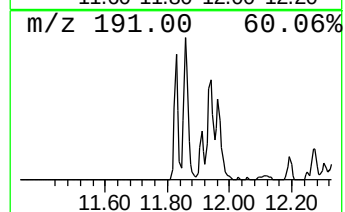
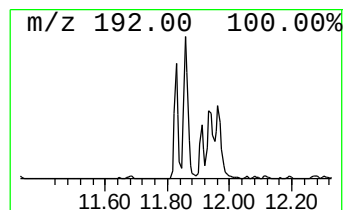
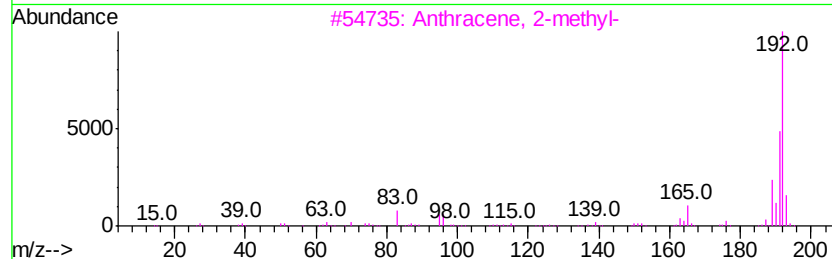
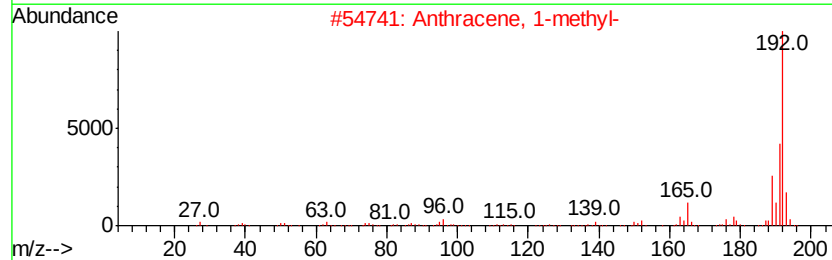
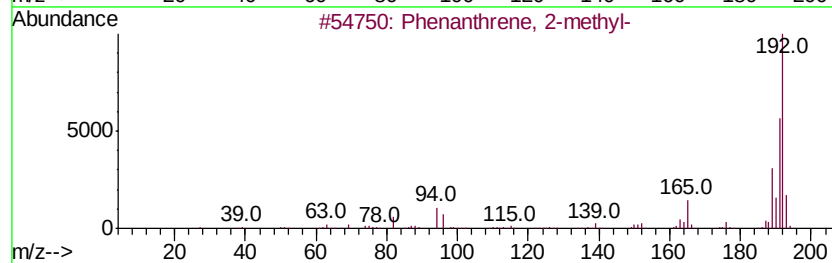
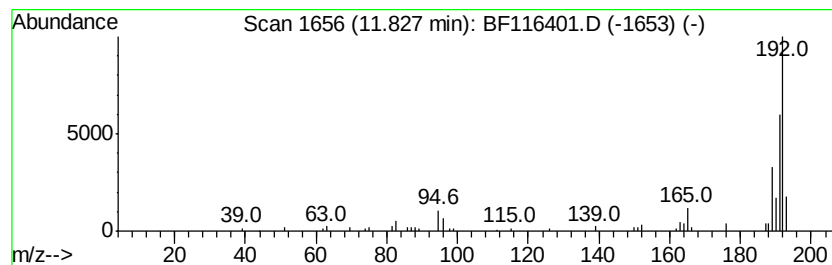
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.25 ng	97344	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



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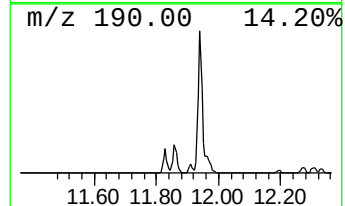
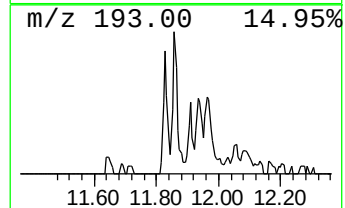
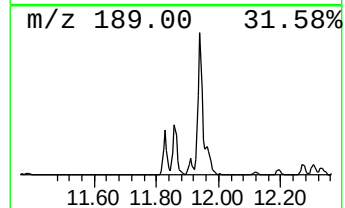
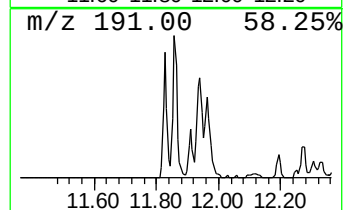
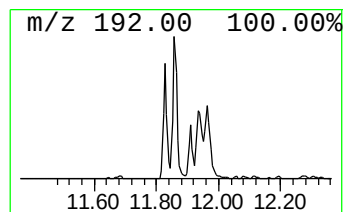
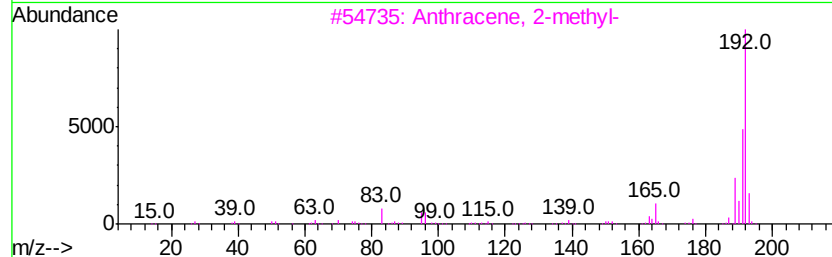
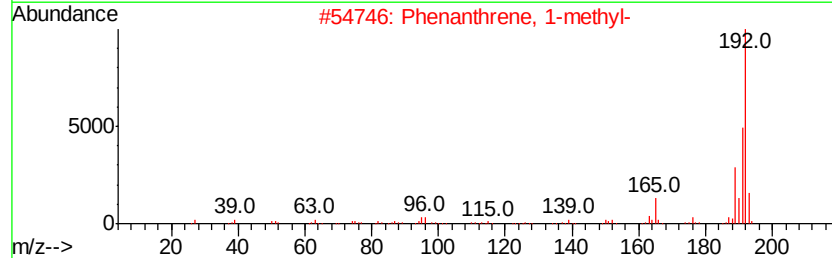
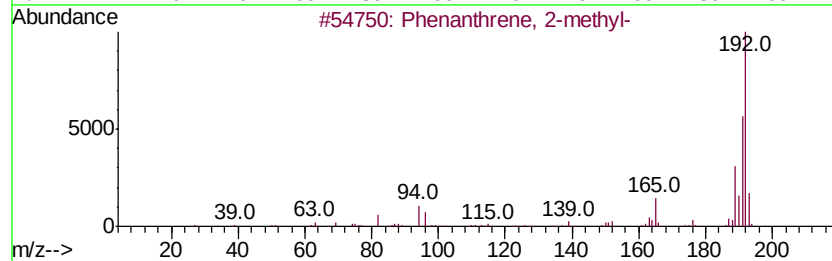
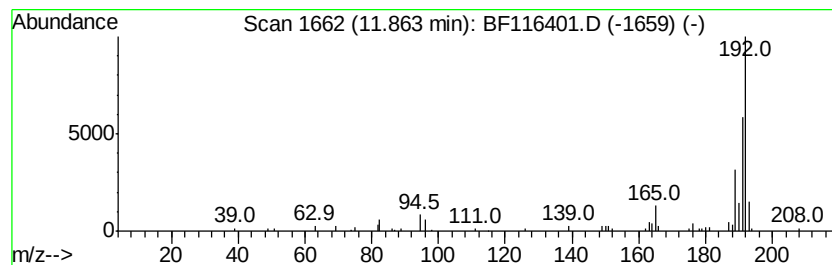
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.78 ng	120252	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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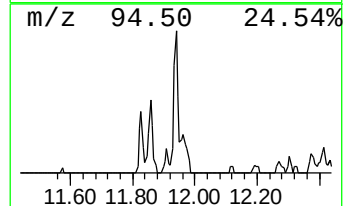
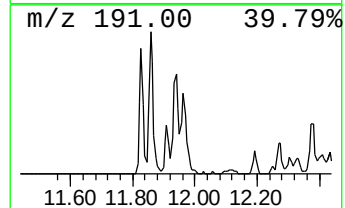
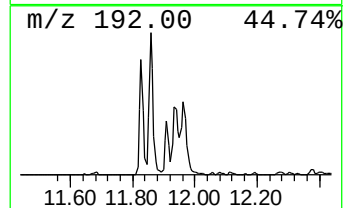
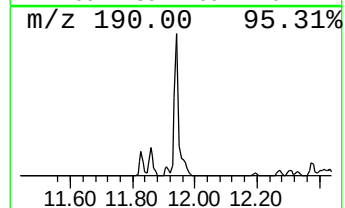
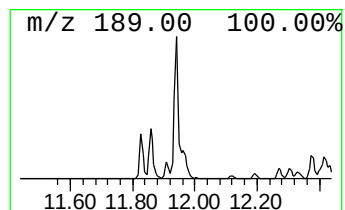
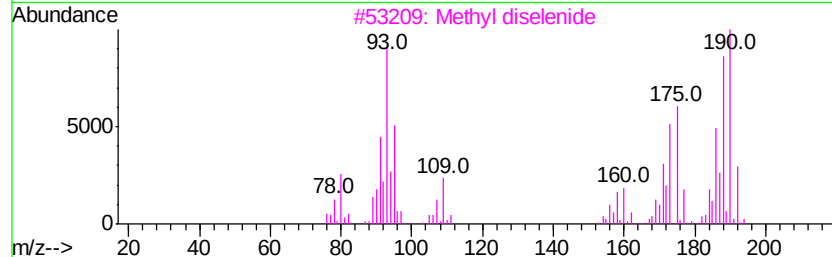
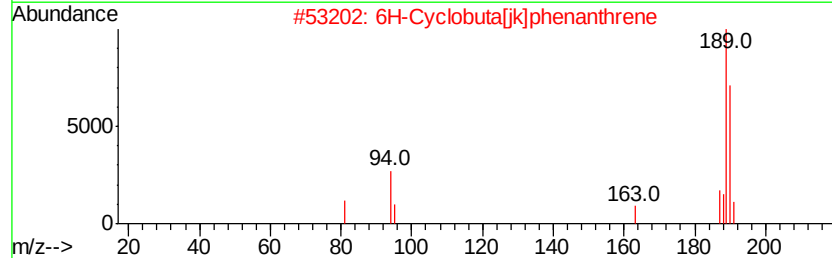
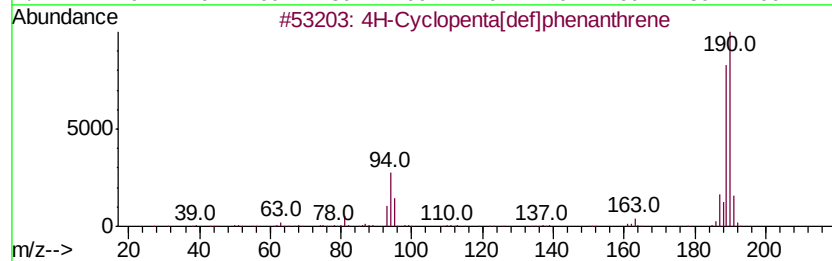
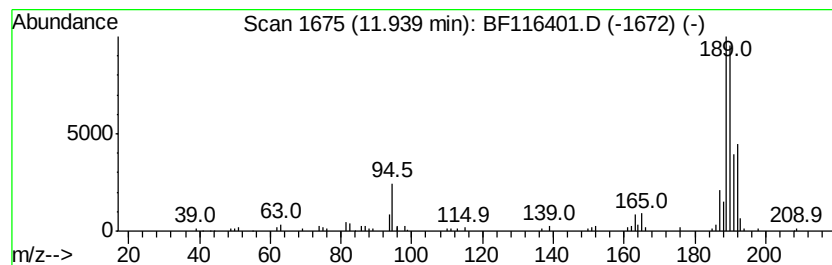
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	3.37 ng	145859	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116401.D
Acq On : 19 Aug 2019 21:28
Operator : HP/JU
Sample : K4277-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-22

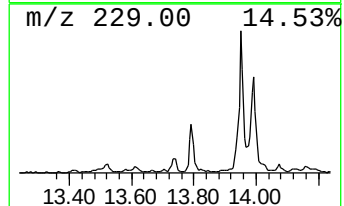
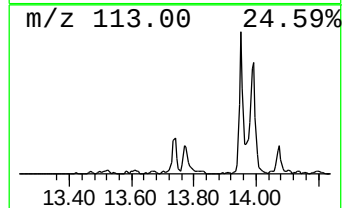
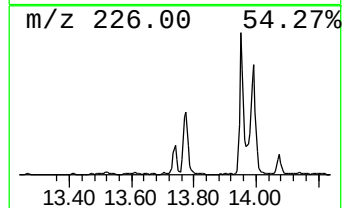
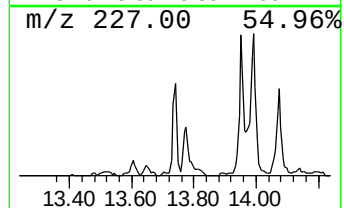
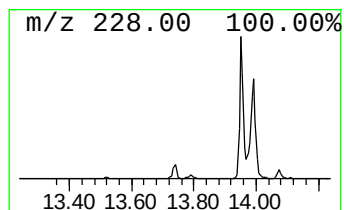
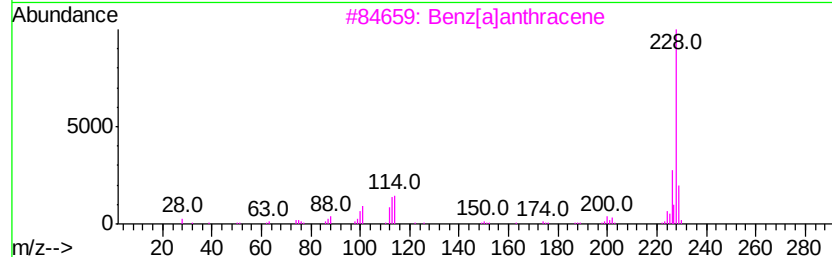
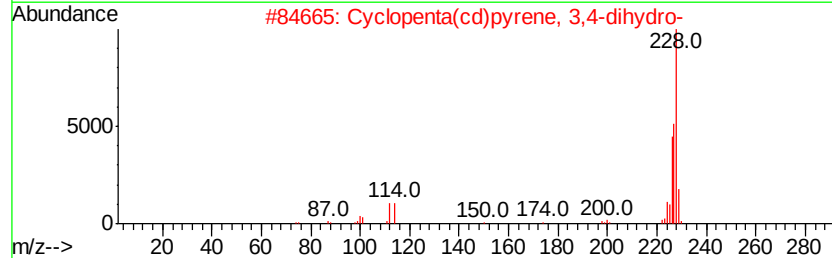
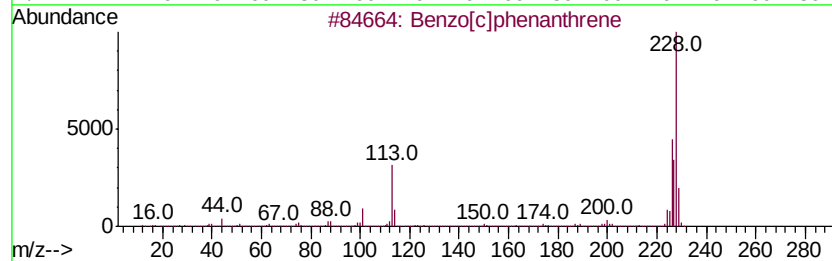
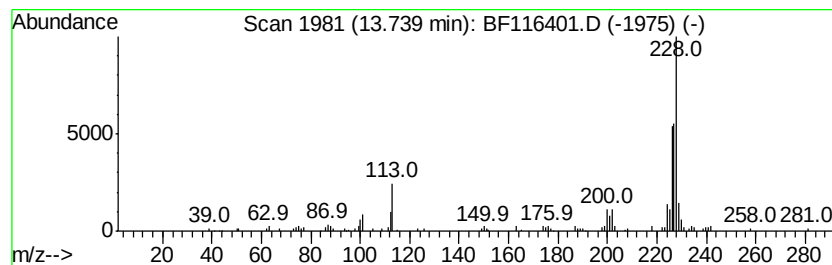
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzo[c]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.15 ng	182302	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2		Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
3		Benz[a]anthracene	228	C18H12	000056-55-3	55
4		Chrysene	228	C18H12	000218-01-9	55
5		Triphenylene	228	C18H12	000217-59-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116401.D
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Sample : K4277-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

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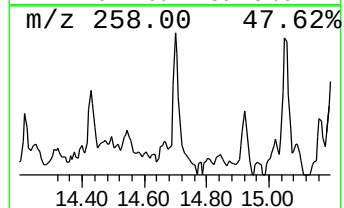
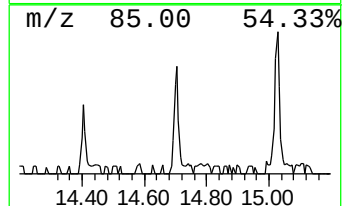
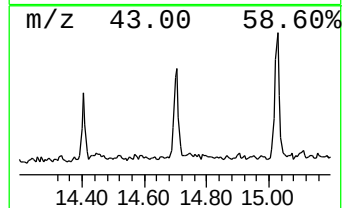
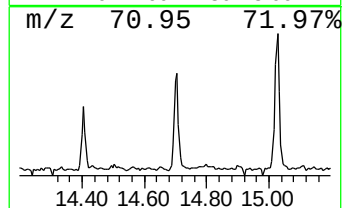
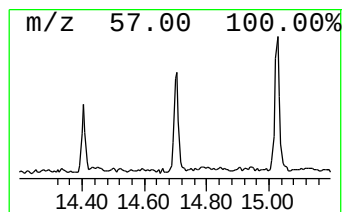
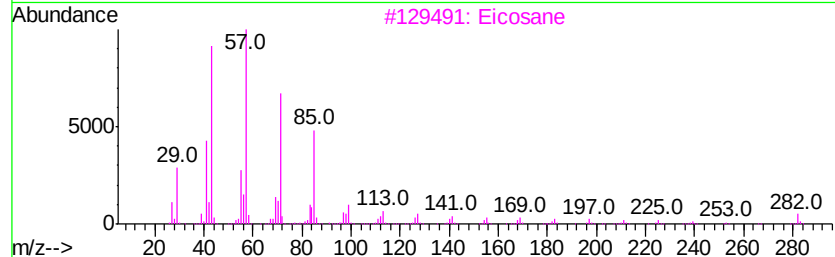
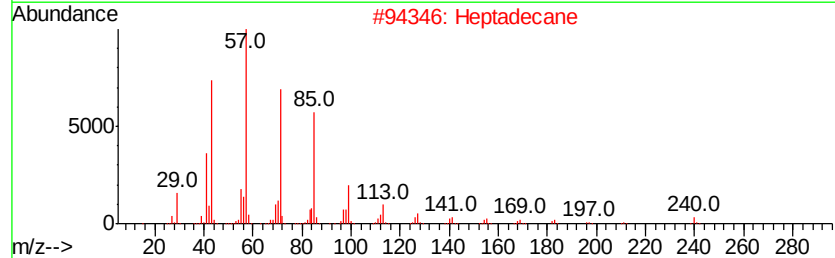
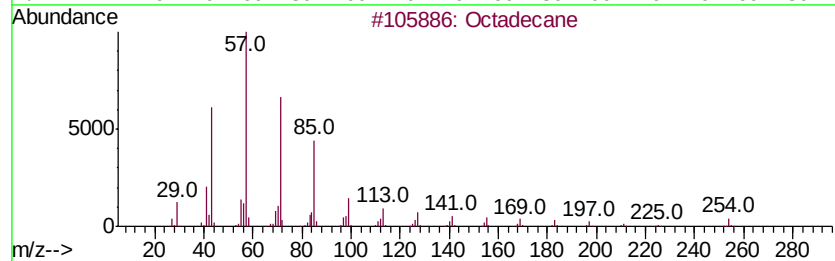
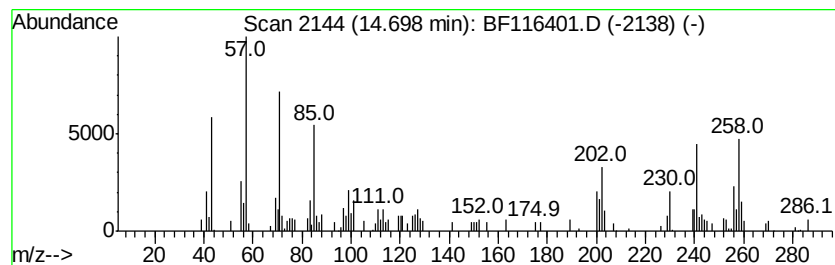
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.28 ng	117706	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	83
2		Heptadecane	240	C17H36	000629-78-7	60
3		Eicosane	282	C20H42	000112-95-8	59
4		Heneicosane	296	C21H44	000629-94-7	41
5		Hexacosane	366	C26H54	000630-01-3	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116401.D
Acq On : 19 Aug 2019 21:28
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Sample : K4277-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

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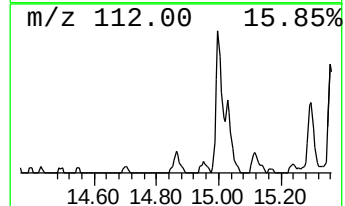
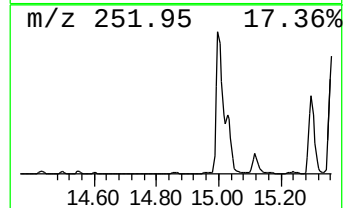
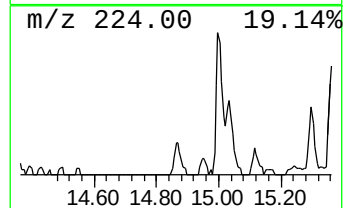
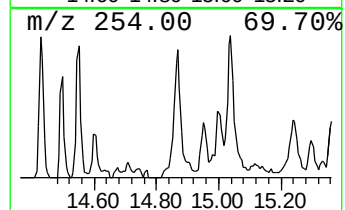
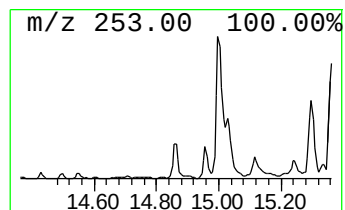
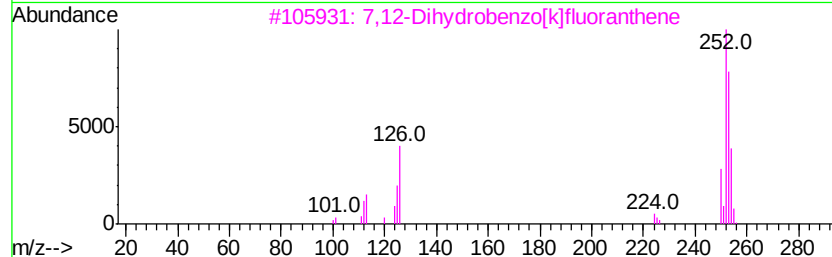
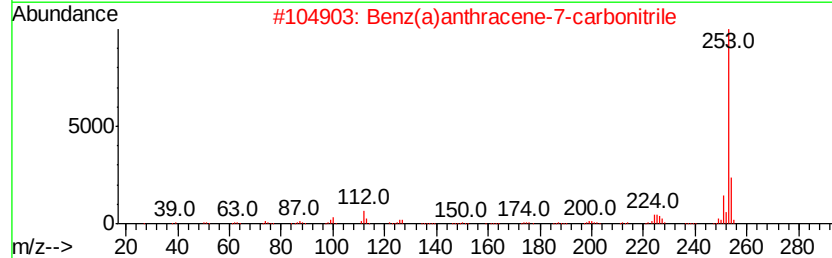
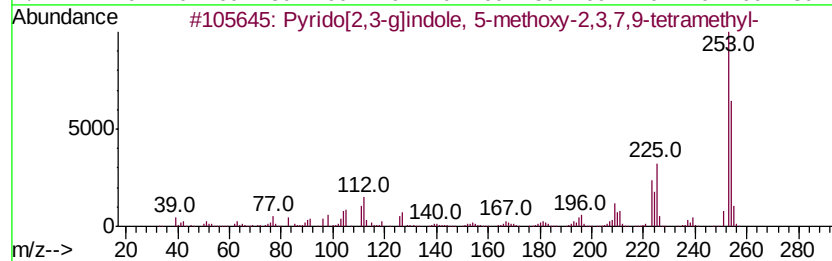
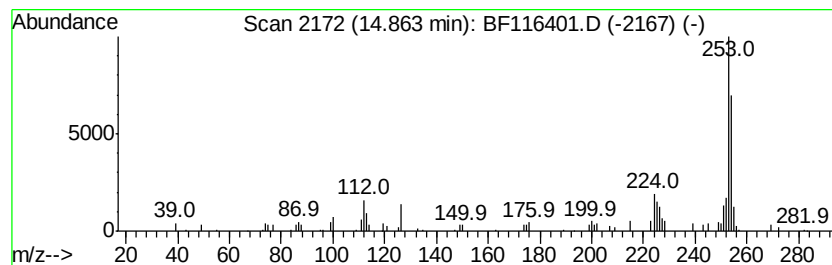
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.12 ng	75974	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	72
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	70
3		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
4		1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
5		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116401.D
Acq On : 19 Aug 2019 21:28
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Sample : K4277-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

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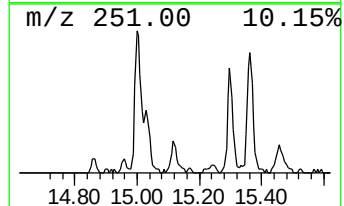
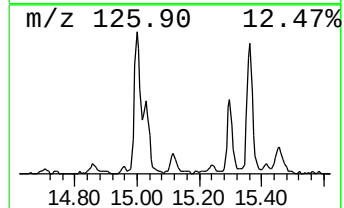
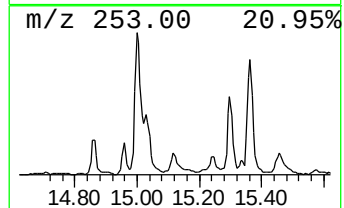
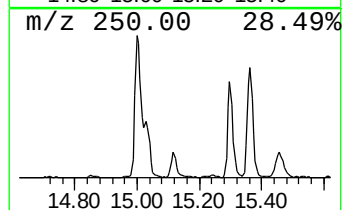
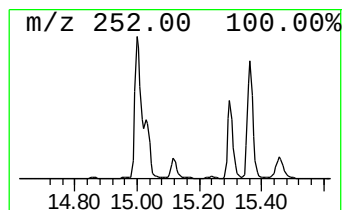
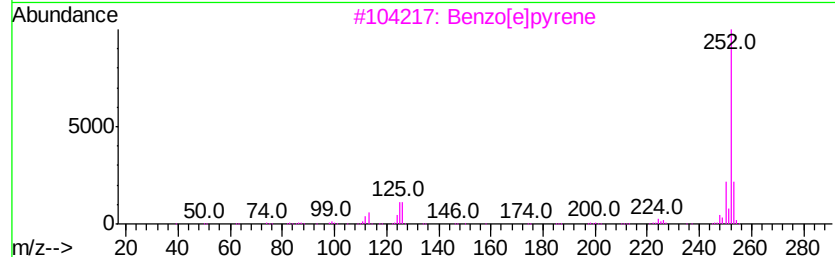
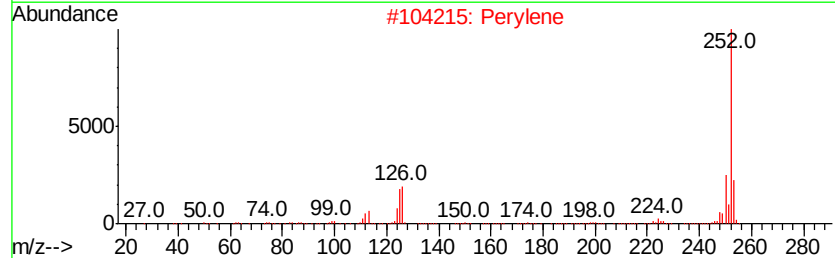
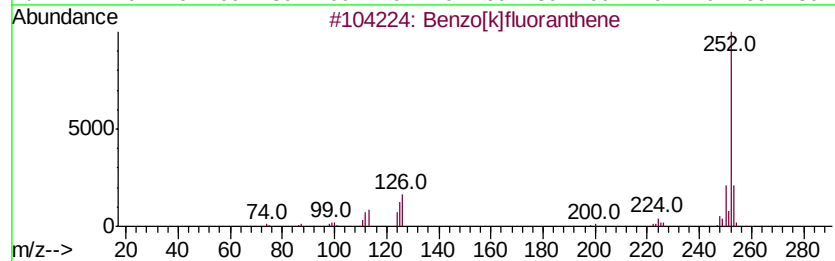
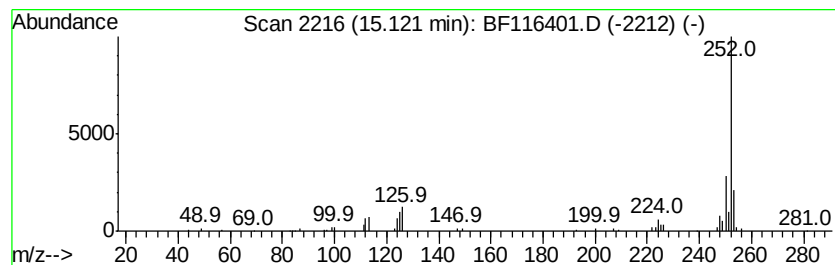
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	2.16 ng	77314	Perylene-d12	15.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]pyrene	252	C20H12	000192-97-2	94
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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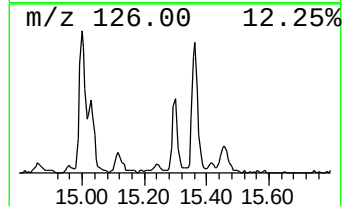
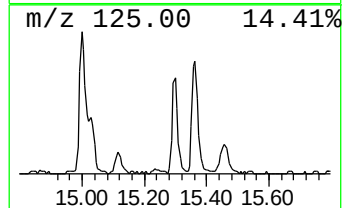
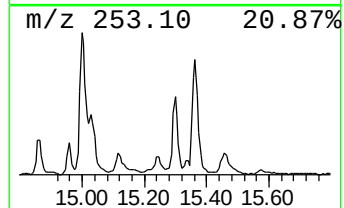
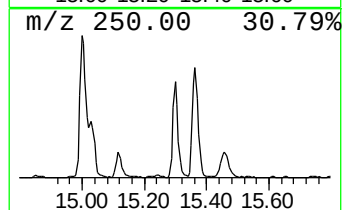
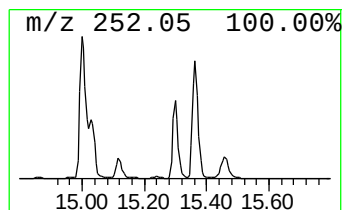
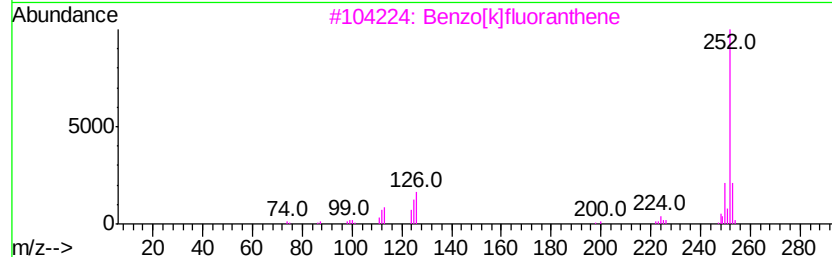
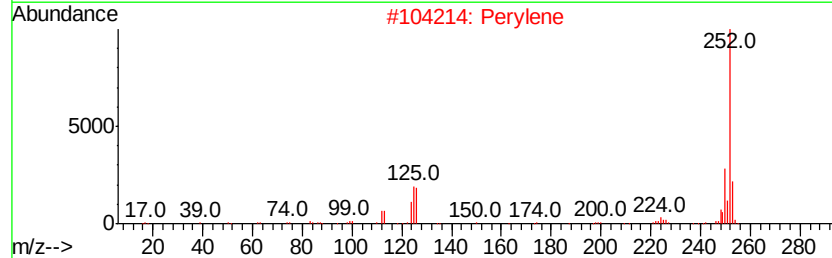
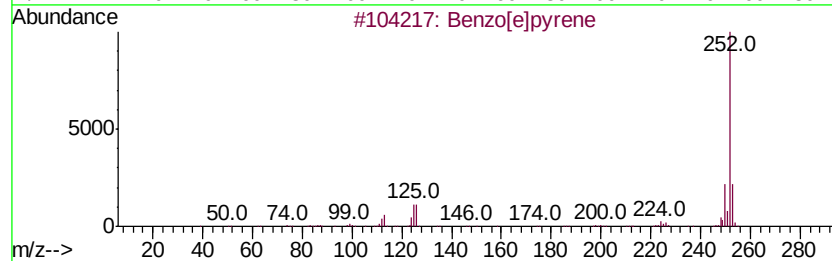
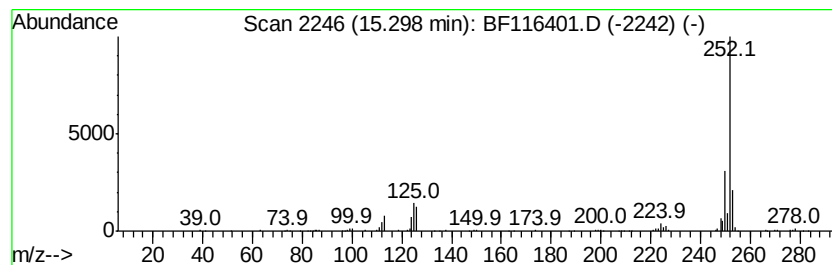
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.30	8.84 ng	317173	Perylene-d12	15.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[i]fluoranthene	252	C20H12	000205-82-3	97
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
Data File : BF116401.D
Acq On : 19 Aug 2019 21:28
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Sample : K4277-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Phenanthrene, 2-m...	11.83	2.3	ng	97344	4	11.32	866457	20.0
Phenanthrene, 1-m...	11.86	2.8	ng	120252	4	11.32	866457	20.0
4H-Cyclopenta[def...	11.94	3.4	ng	145859	4	11.32	866457	20.0
Benzo[c]phenanthrene	13.74	2.1	ng	182302	5	13.96	1692360	20.0
Octadecane	14.70	3.3	ng	117706	6	15.42	717190	20.0
Pyrido[2,3-g]indo...	14.86	2.1	ng	75974	6	15.42	717190	20.0
Perylene	15.12	2.2	ng	77314	6	15.42	717190	20.0
Benzo[e]pyrene	15.30	8.8	ng	317173	6	15.42	717190	20.0