

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
 Data File : BF113759.D
 Acq On : 13 Apr 2019 1:19
 Operator : JU/SJ
 Sample : K2373-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPH-FOUND

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-BF040319.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	5.287	541	544	573	rBV	564827	1037798	24.71%	2.056%
2	6.328	718	721	738	rBV	660058	1096278	26.10%	2.171%
3	6.446	738	741	751	rVB	1027241	1136741	27.07%	2.252%
4	6.675	776	780	788	rBV	610104	627063	14.93%	1.242%
5	6.828	802	806	819	rBV	945601	887489	21.13%	1.758%
6	7.240	873	876	892	rBV	483924	644162	15.34%	1.276%
7	7.957	994	998	1017	rBV	723931	852406	20.30%	1.688%
8	8.769	1133	1136	1142	rBV	40838	42454	1.01%	0.084%
9	9.028	1176	1180	1192	rBV	1232509	1122274	26.72%	2.223%
10	9.369	1234	1238	1241	rBV	46043	53086	1.26%	0.105%
11	9.428	1245	1248	1255	rVB	126156	126755	3.02%	0.251%
12	9.569	1269	1272	1278	rVB	89606	81557	1.94%	0.162%
13	9.704	1287	1295	1298	rBV	895586	829662	19.75%	1.643%
14	9.734	1298	1300	1309	rVB	298626	282636	6.73%	0.560%
15	9.916	1326	1331	1335	rBV	104365	116260	2.77%	0.230%
16	10.251	1385	1388	1394	rBV	227921	213235	5.08%	0.422%
17	10.316	1394	1399	1401	rBV2	36700	48873	1.16%	0.097%
18	10.410	1413	1415	1419	rVB	58198	49599	1.18%	0.098%
19	10.498	1426	1430	1440	rBV	628579	725755	17.28%	1.438%
20	10.804	1474	1482	1484	rBV2	55008	85915	2.05%	0.170%
21	10.928	1498	1503	1505	rBV2	38115	49020	1.17%	0.097%
22	10.951	1505	1507	1512	rVV2	44811	51009	1.21%	0.101%
23	11.004	1512	1516	1519	rVV	103096	95793	2.28%	0.190%
24	11.039	1519	1522	1527	rVV3	64954	93675	2.23%	0.186%
25	11.086	1527	1530	1535	rVB	124160	128613	3.06%	0.255%
26	11.186	1543	1547	1549	rBV	902147	844417	20.11%	1.673%
27	11.210	1549	1551	1555	rVV	2366205	2065293	49.18%	4.091%
28	11.263	1556	1560	1564	rVV	669437	649454	15.46%	1.286%
29	11.310	1565	1568	1572	rVB	50785	66748	1.59%	0.132%
30	11.428	1583	1588	1594	rBV2	272888	358874	8.55%	0.711%
31	11.592	1613	1616	1622	rVB3	43341	67470	1.61%	0.134%
32	11.686	1629	1632	1635	rBV	320106	282280	6.72%	0.559%
33	11.716	1635	1637	1643	rVV	420990	450198	10.72%	0.892%
34	11.763	1643	1645	1648	rVV	180304	167569	3.99%	0.332%

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35	11.798	1648	1651	1654	rVV	640805	666315	15.87%	1.320%
36	11.822	1654	1655	1661	rVB	239470	157513	3.75%	0.312%
37	11.980	1679	1682	1686	rBV	230288	188764	4.49%	0.374%
38	12.022	1686	1689	1693	rVB	187842	160581	3.82%	0.318%
39	12.128	1702	1707	1711	rBV2	82541	96727	2.30%	0.192%
40	12.163	1711	1713	1715	rVV	74402	53402	1.27%	0.106%
41	12.186	1715	1717	1721	rVB2	59552	54896	1.31%	0.109%
42	12.233	1722	1725	1728	rBV	182286	199090	4.74%	0.394%
43	12.275	1728	1732	1734	rVV2	109614	122201	2.91%	0.242%
44	12.292	1734	1735	1738	rVB2	58598	43742	1.04%	0.087%
45	12.333	1738	1742	1748	rVB2	213378	252966	6.02%	0.501%
46	12.404	1749	1754	1757	rBV	3792264	3828214	91.15%	7.583%
47	12.469	1762	1765	1767	rVB2	96708	98342	2.34%	0.195%
48	12.545	1775	1778	1782	rBV	219060	214978	5.12%	0.426%
49	12.633	1786	1793	1798	rBV2	3440012	4199774	100.00%	8.319%
50	12.680	1798	1801	1808	rVB2	167688	240751	5.73%	0.477%
51	12.763	1808	1815	1818	rBV2	1266303	1390850	33.12%	2.755%
52	12.792	1818	1820	1824	rVB	242270	257717	6.14%	0.510%
53	12.845	1824	1829	1833	rBV2	249652	432398	10.30%	0.856%
54	12.880	1833	1835	1837	rBV	70068	44085	1.05%	0.087%
55	12.933	1840	1844	1845	rBV2	226031	265779	6.33%	0.526%
56	12.957	1845	1848	1851	rVB	621470	582037	13.86%	1.153%
57	12.998	1853	1855	1856	rBV	70306	51446	1.22%	0.102%
58	13.022	1856	1859	1861	rVV	435421	349540	8.32%	0.692%
59	13.057	1861	1865	1872	rVB3	410344	626432	14.92%	1.241%
60	13.116	1872	1875	1878	rVB3	83661	84632	2.02%	0.168%
61	13.151	1878	1881	1884	rBV2	219656	199479	4.75%	0.395%
62	13.180	1884	1886	1890	rBV2	245430	226747	5.40%	0.449%
63	13.274	1900	1902	1906	rVB3	68049	62511	1.49%	0.124%
64	13.333	1909	1912	1914	rBV2	62849	82257	1.96%	0.163%
65	13.374	1917	1919	1922	rVB	87243	83517	1.99%	0.165%
66	13.439	1927	1930	1933	rBV3	73539	100811	2.40%	0.200%
67	13.469	1933	1935	1939	rVB	297872	282152	6.72%	0.559%
68	13.574	1948	1953	1955	rBV2	421722	481491	11.46%	0.954%
69	13.598	1955	1957	1959	rVB	292105	236429	5.63%	0.468%
70	13.627	1959	1962	1963	rBV	285922	267910	6.38%	0.531%
71	13.680	1968	1971	1976	rVB	388451	398106	9.48%	0.789%

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72	13.739	1977	1981	1985	rBV	116004	169861	4.04%	0.336%
73	13.822	1987	1995	1998	rBV3	2290111	3926708	93.50%	7.778%
74	13.851	1998	2000	2007	rVV	1989759	2009554	47.85%	3.980%
75	13.927	2011	2013	2017	rVV	485935	424832	10.12%	0.842%
76	13.980	2020	2022	2027	rVV4	163564	262780	6.26%	0.521%
77	14.021	2027	2029	2031	rVV	149031	157623	3.75%	0.312%
78	14.057	2033	2035	2038	rVB	215310	191496	4.56%	0.379%
79	14.174	2052	2055	2057	rBV	134853	139183	3.31%	0.276%
80	14.210	2057	2061	2064	rVV	421449	501391	11.94%	0.993%
81	14.245	2064	2067	2069	rVV3	188110	166407	3.96%	0.330%
82	14.286	2071	2074	2076	rVV2	192548	184835	4.40%	0.366%
83	14.310	2076	2078	2080	rVV	110090	91698	2.18%	0.182%
84	14.333	2080	2082	2084	rVV	195568	182484	4.35%	0.361%
85	14.357	2084	2086	2088	rVB	222517	174572	4.16%	0.346%
86	14.386	2088	2091	2092	rBV2	85715	75537	1.80%	0.150%
87	14.533	2113	2116	2121	rBV4	160038	219466	5.23%	0.435%
88	14.692	2140	2143	2148	rBV	228030	271165	6.46%	0.537%
89	14.845	2164	2169	2175	rBV	1580611	2918584	69.49%	5.781%
90	14.939	2182	2185	2191	rBV	309769	312481	7.44%	0.619%
91	15.121	2212	2216	2222	rVB	850933	1007520	23.99%	1.996%
92	15.180	2222	2226	2231	rVV	1273083	1431228	34.08%	2.835%
93	15.233	2231	2235	2238	rVV	609037	715113	17.03%	1.416%
94	15.263	2238	2240	2246	rVB	359102	439232	10.46%	0.870%
95	16.598	2461	2467	2474	rVB	516585	923219	21.98%	1.829%
96	16.751	2489	2493	2497	rBV	87560	137848	3.28%	0.273%
97	17.010	2531	2537	2546	rVB	349564	701564	16.70%	1.390%
98	17.233	2572	2575	2585	rVB	113412	233629	5.56%	0.463%

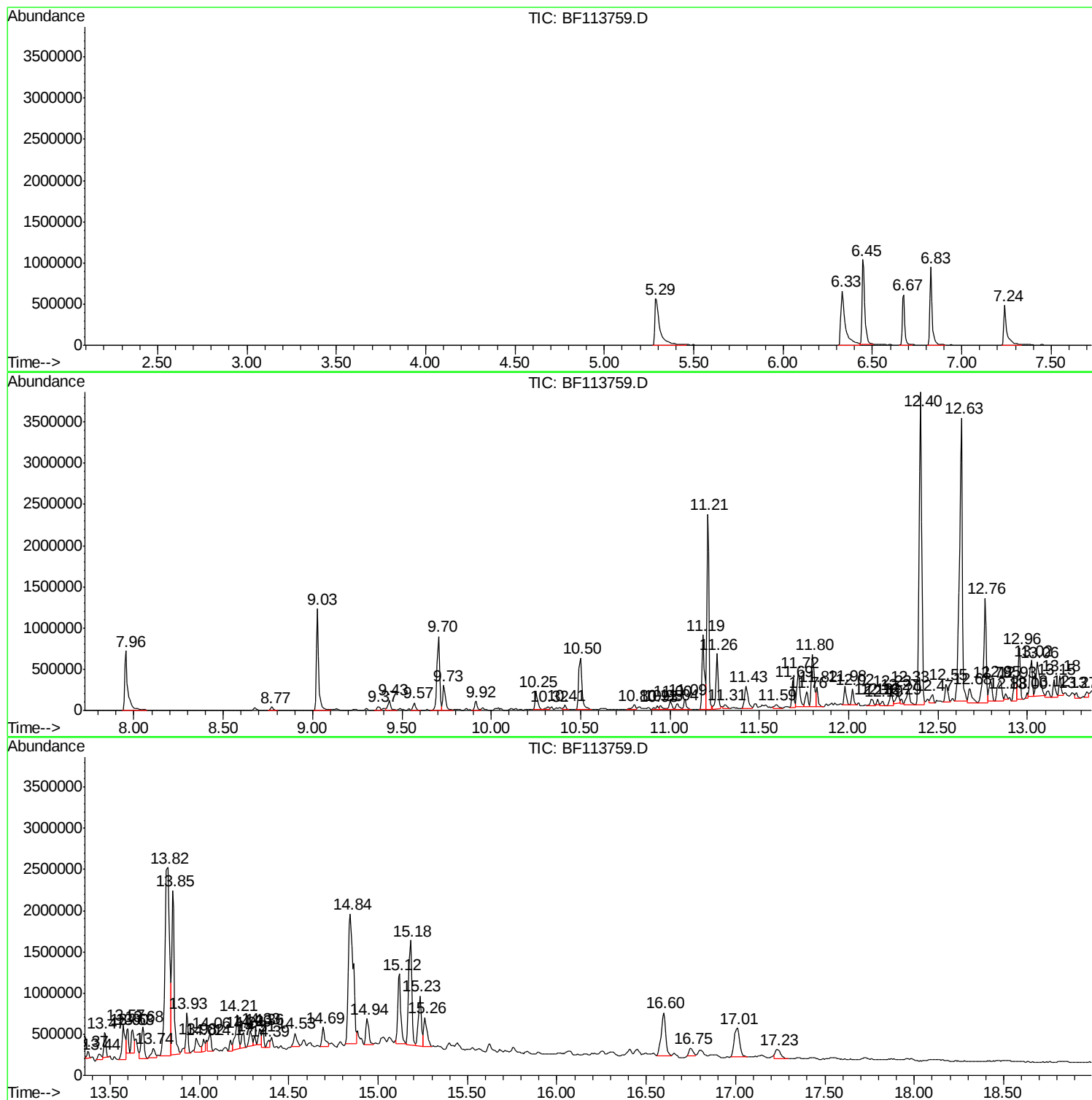
Sum of corrected areas: 50485003

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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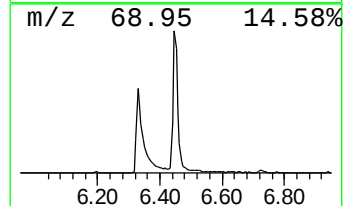
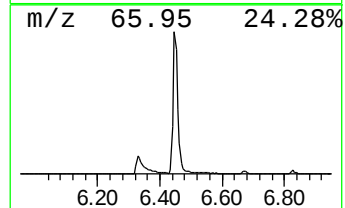
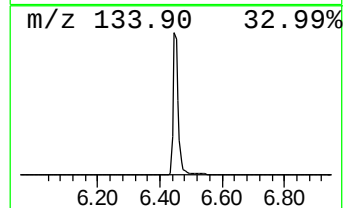
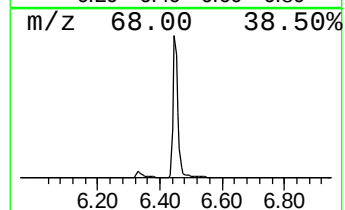
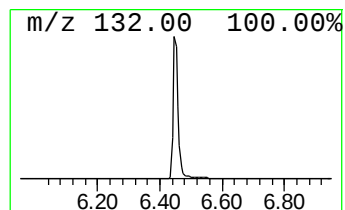
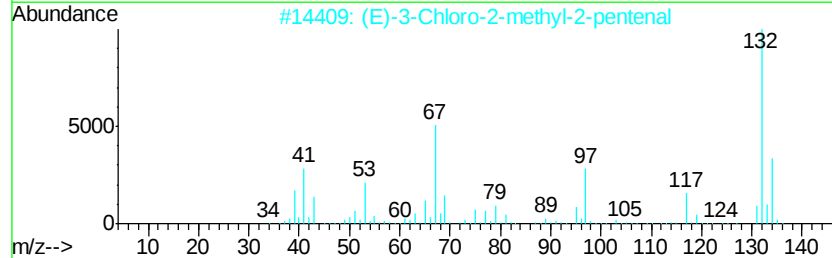
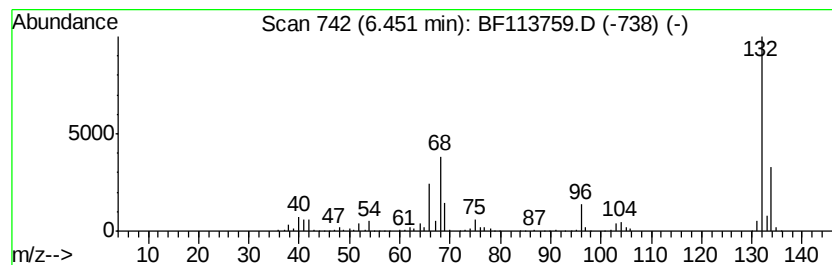
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	36.26 ng	1136740	1,4-Dichlorobenzene-d4	6.67

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Amphetaminil	250	C17H18N2	017590-01-1	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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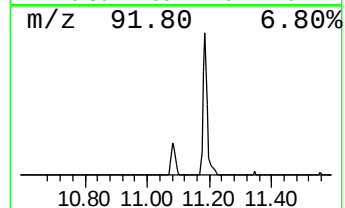
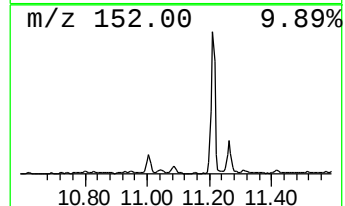
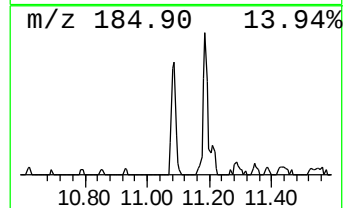
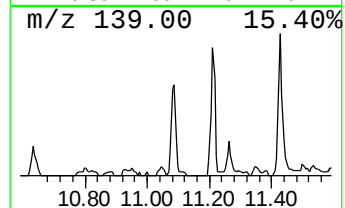
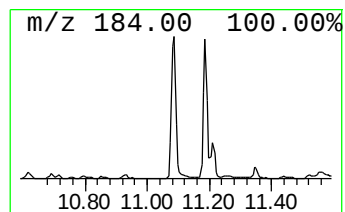
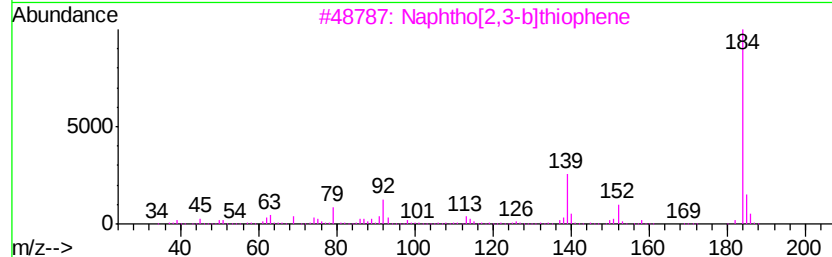
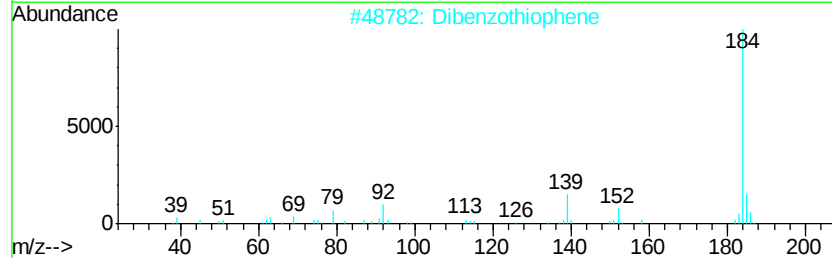
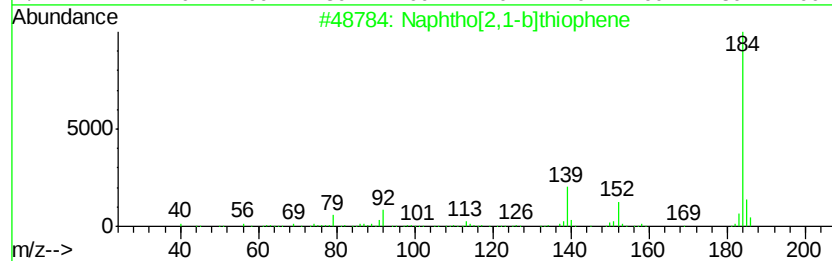
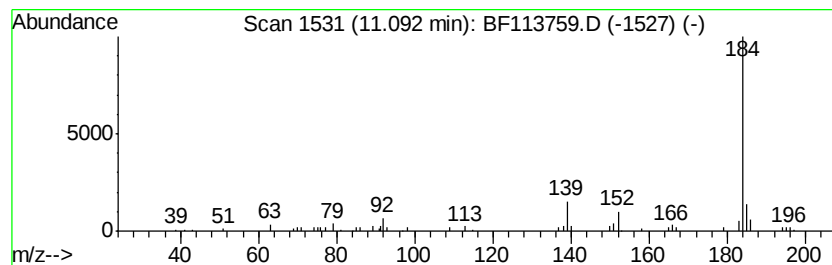
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	3.05 ng	128613	Phenanthrene-d10	11.19

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



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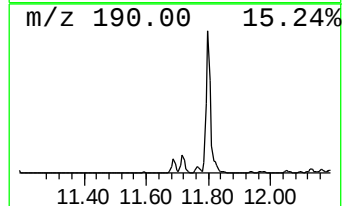
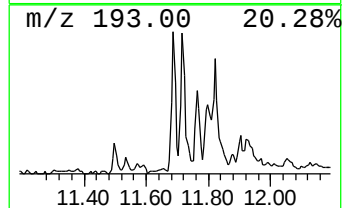
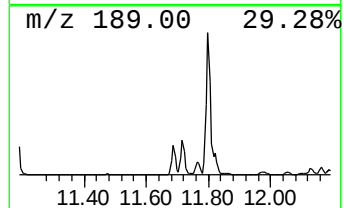
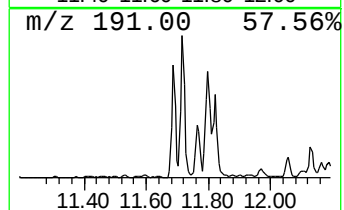
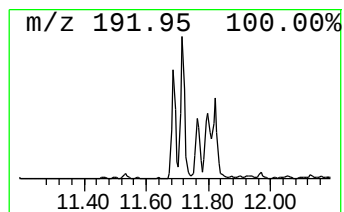
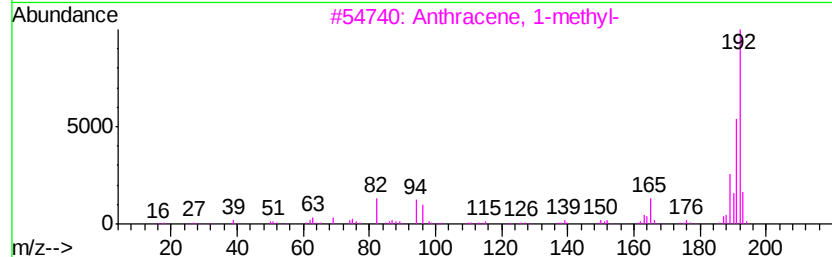
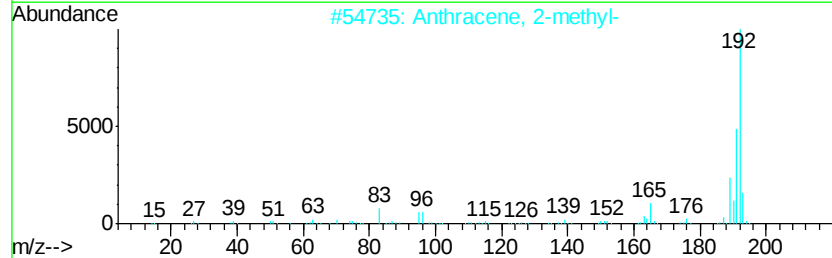
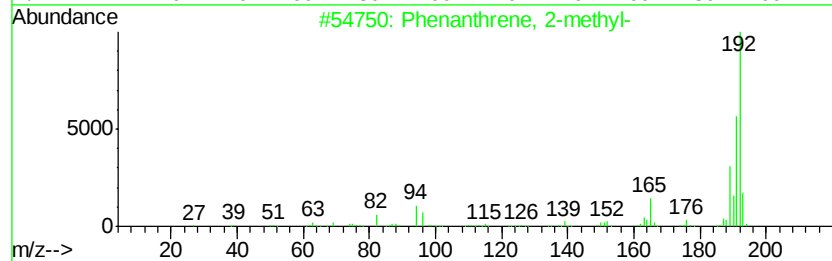
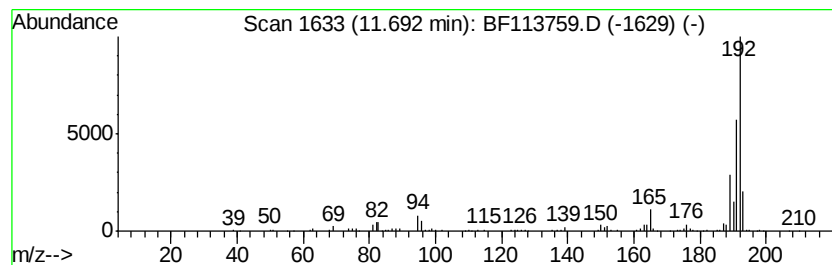
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	6.69 ng	282280	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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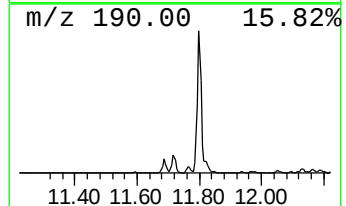
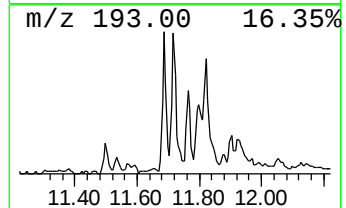
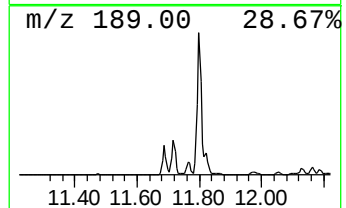
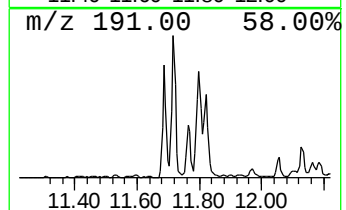
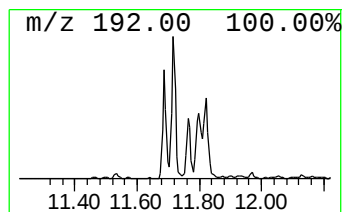
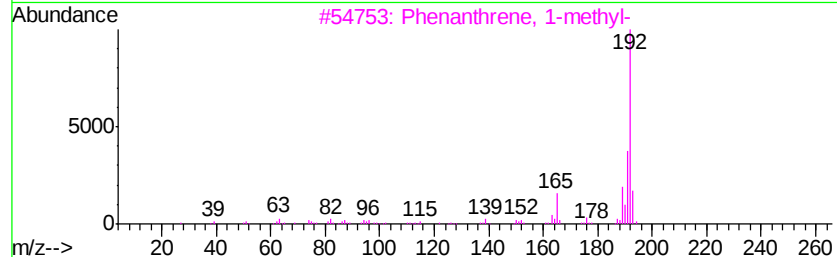
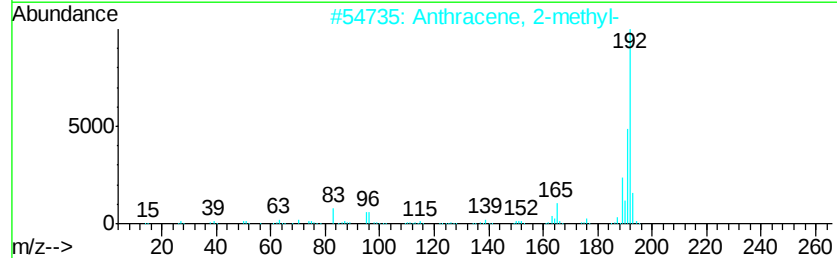
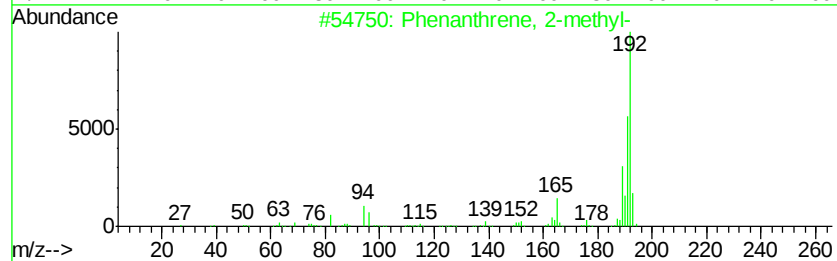
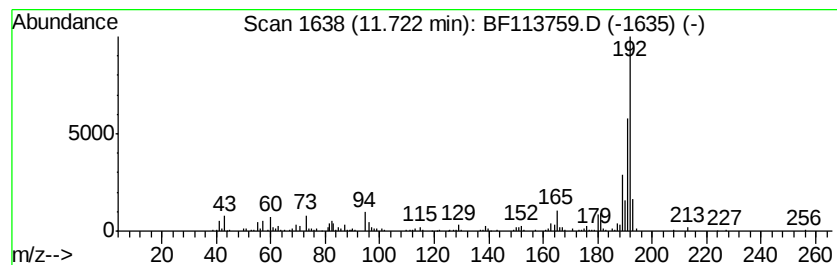
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	10.66 ng	450198	Phenanthrene-d10	11.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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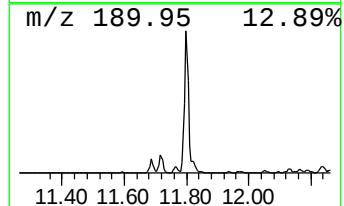
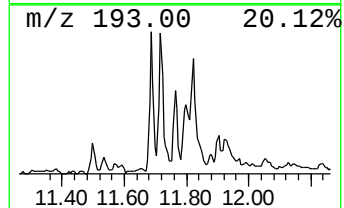
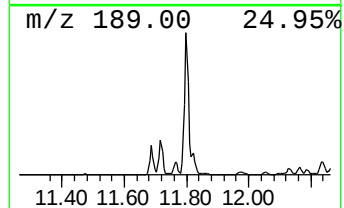
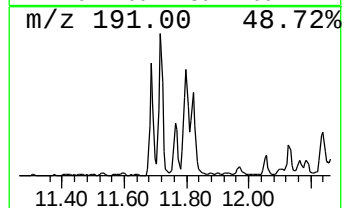
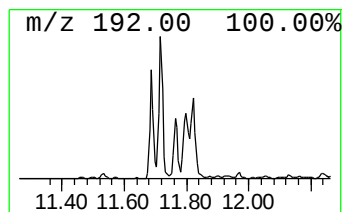
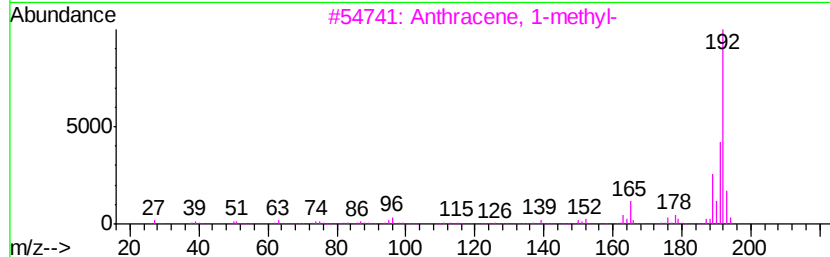
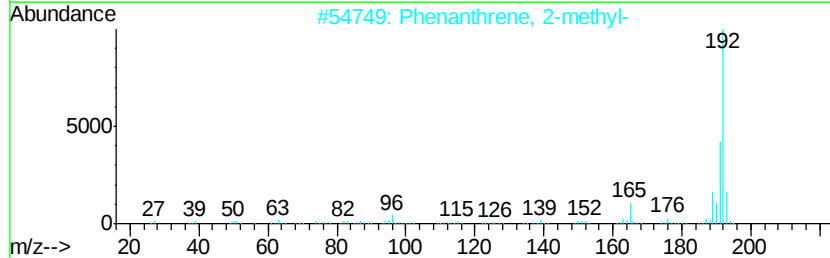
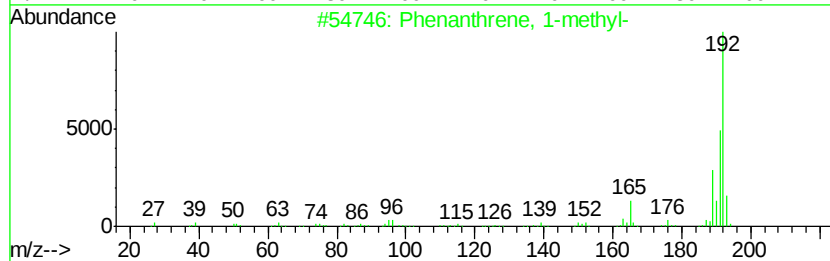
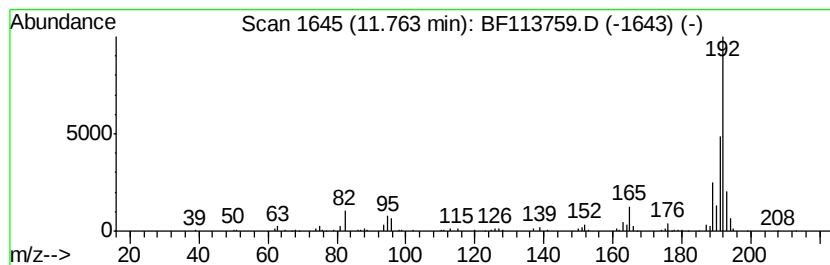
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.97 ng	167569	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

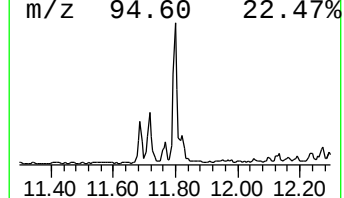
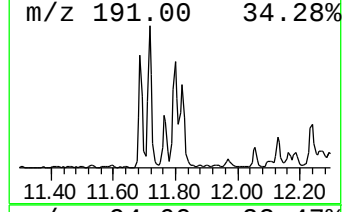
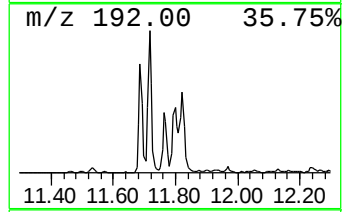
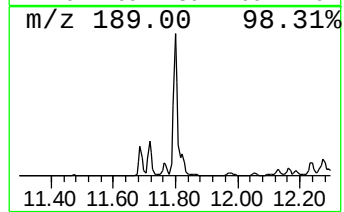
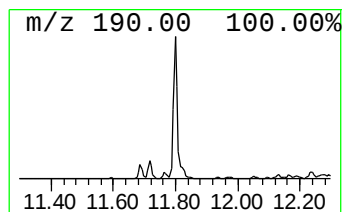
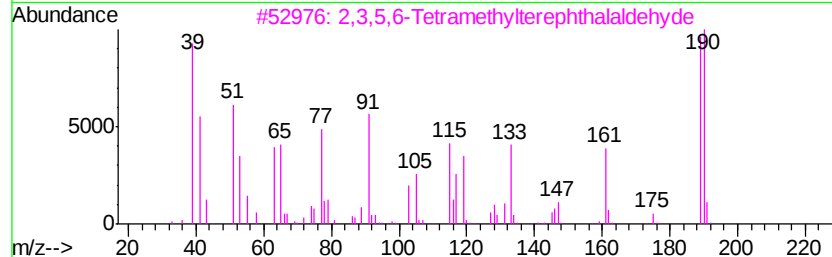
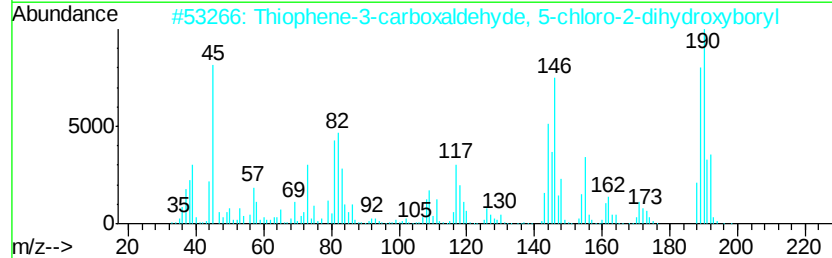
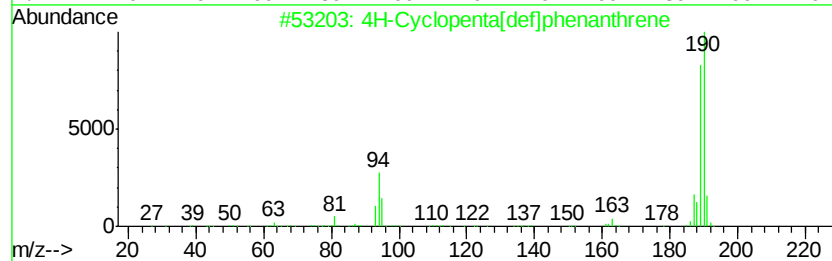
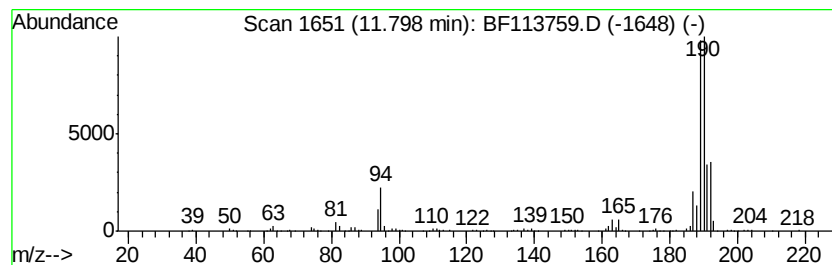
Instrument :
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ClientSampleId :
TPH-FOUND

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.80	15.78 ng	666315	Phenanthrene-d10	11.19	
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	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

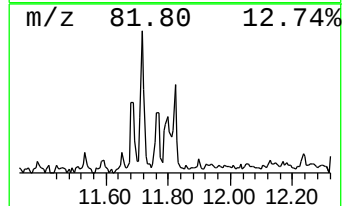
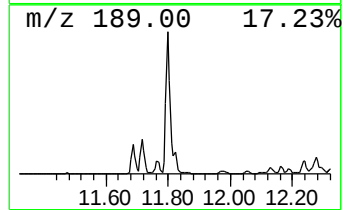
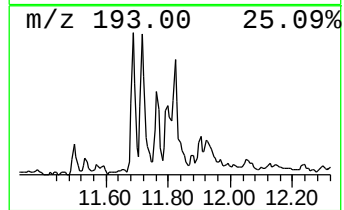
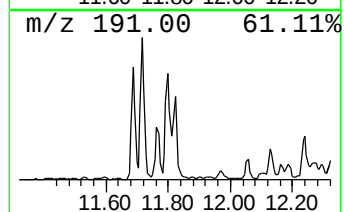
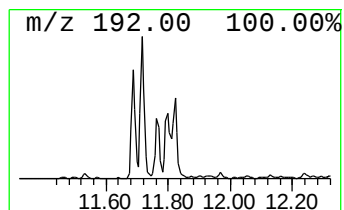
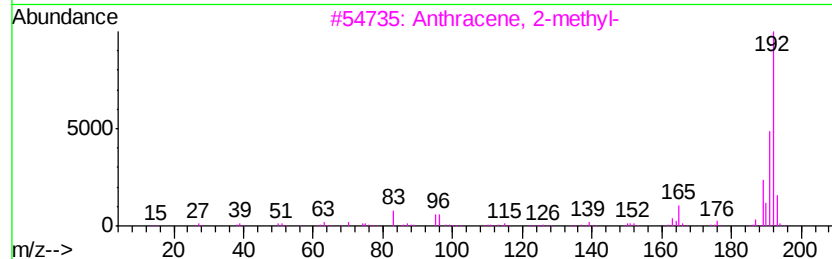
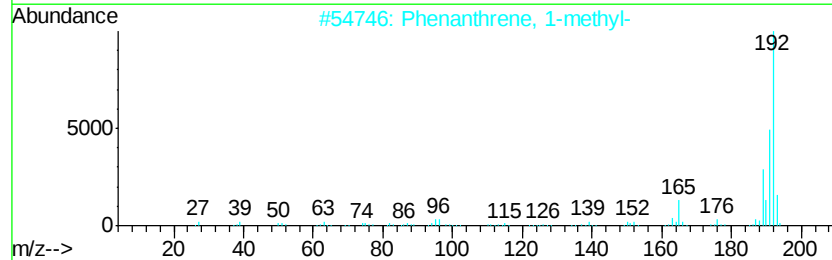
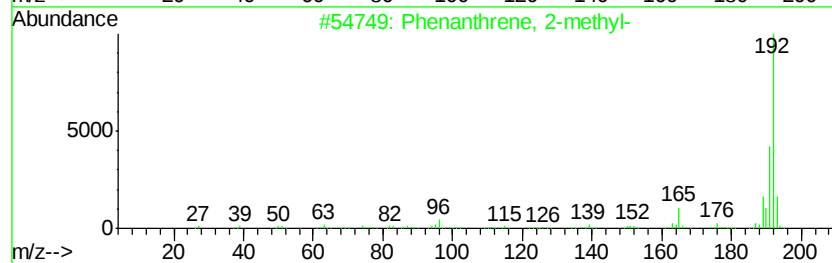
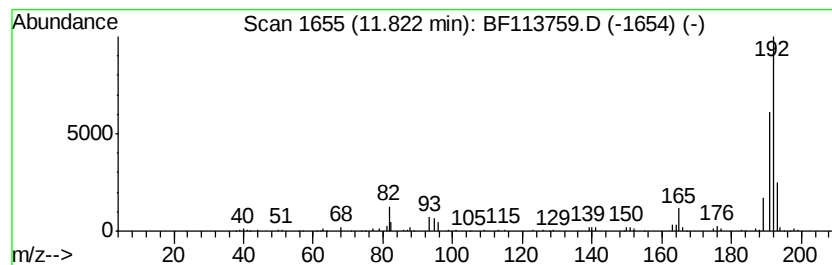
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	3.73 ng	157513	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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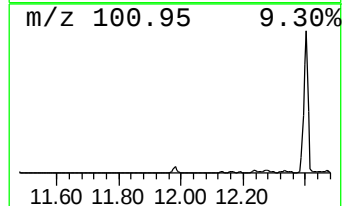
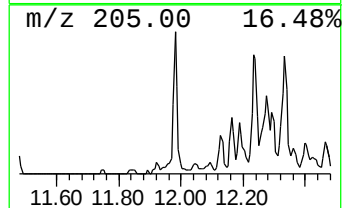
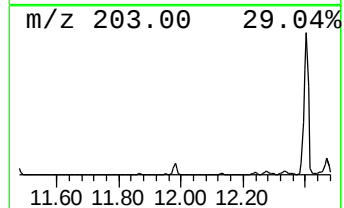
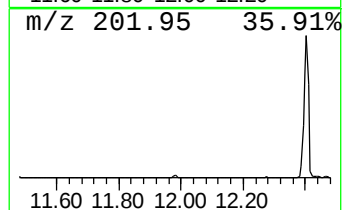
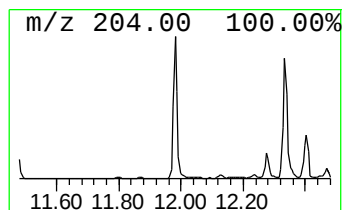
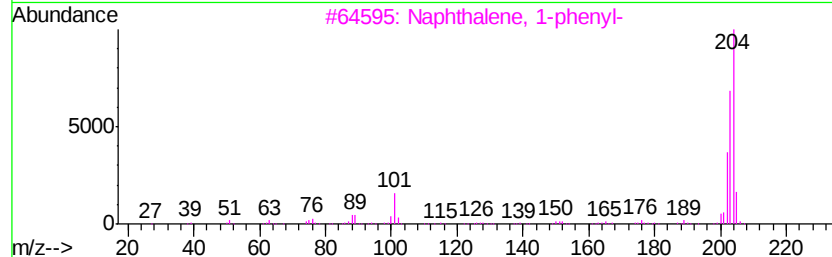
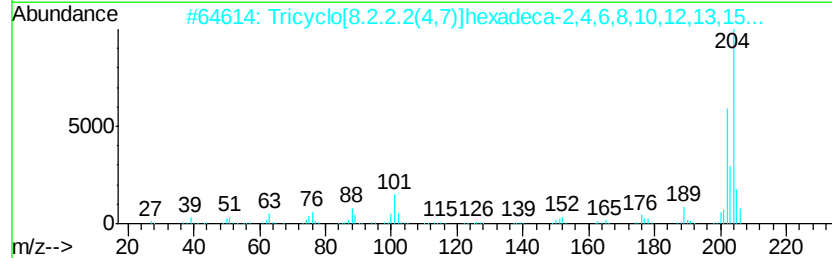
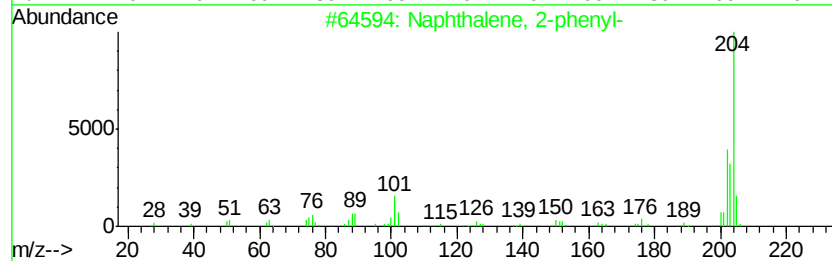
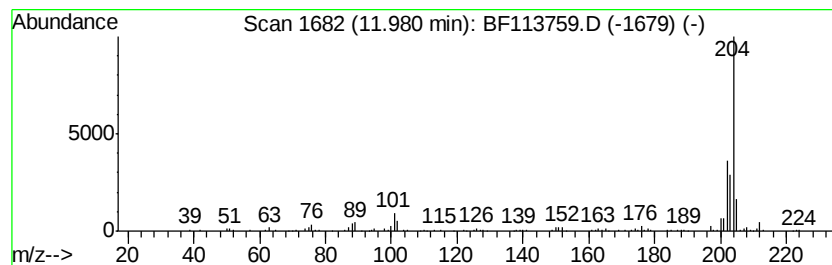
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	4.47 ng	188764	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4		Levamisole	204	C11H12N2S	014769-73-4	52
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TPH-FOUND

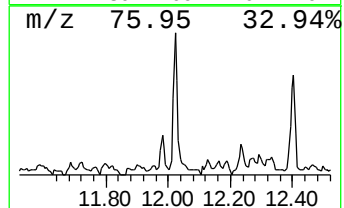
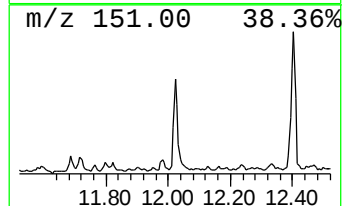
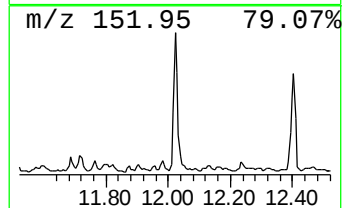
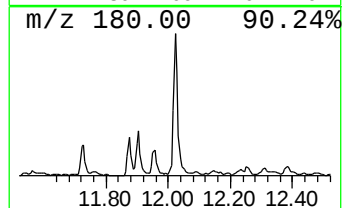
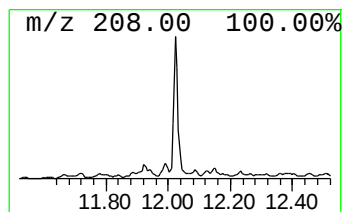
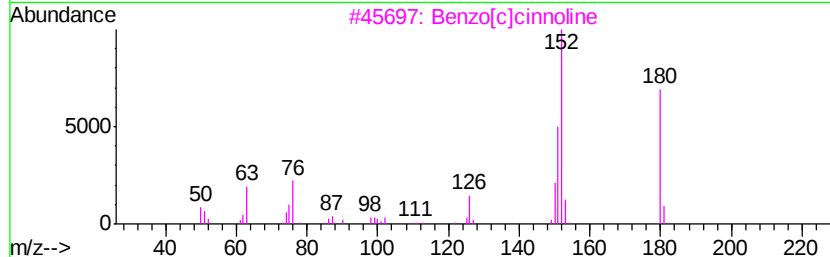
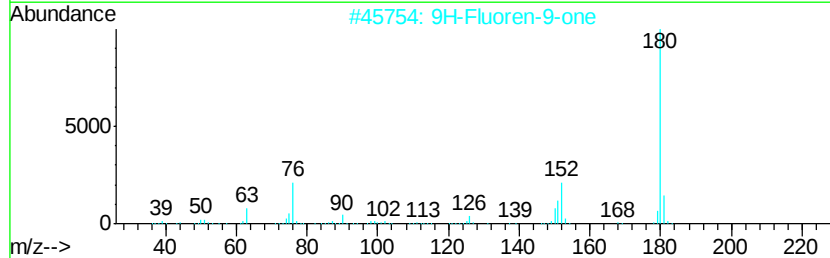
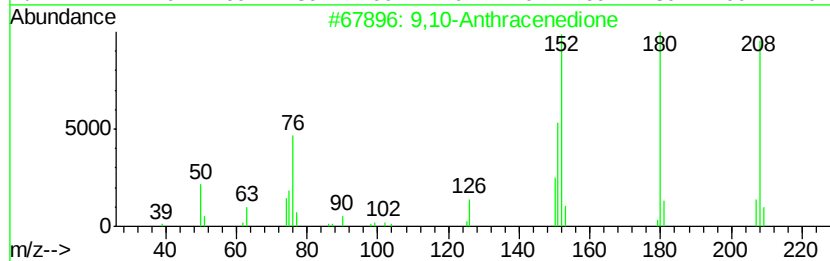
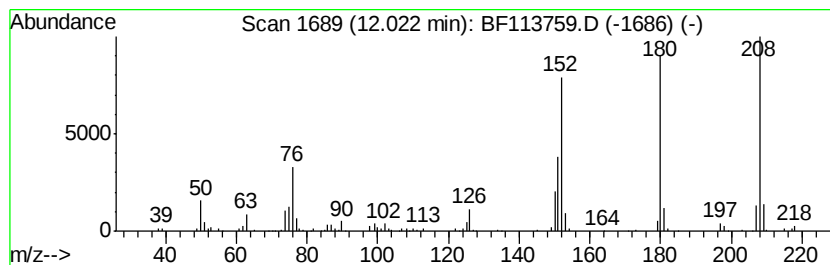
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.80 ng	160581	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
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Sample : K2373-01 2X
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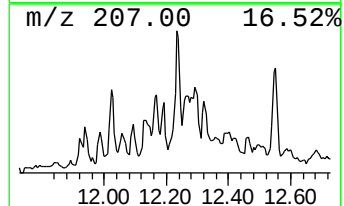
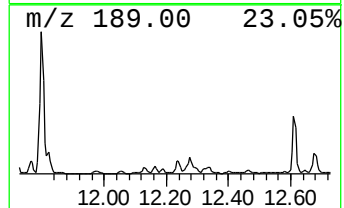
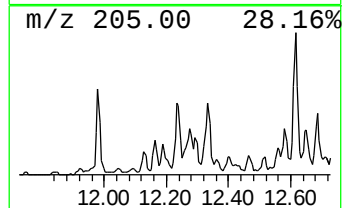
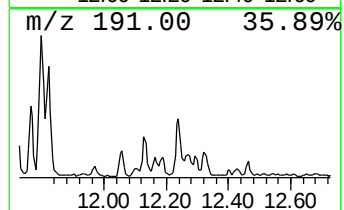
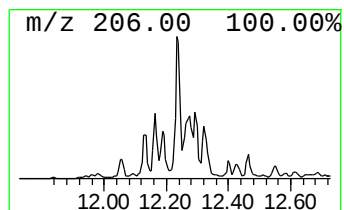
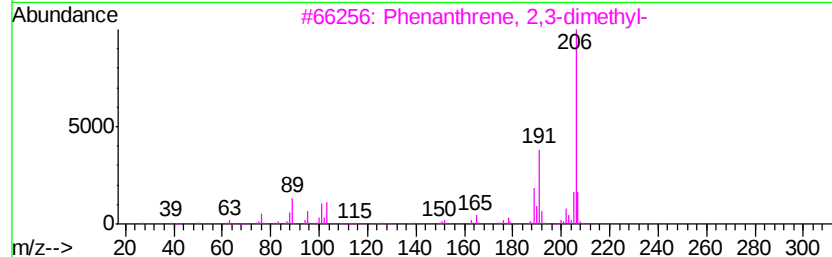
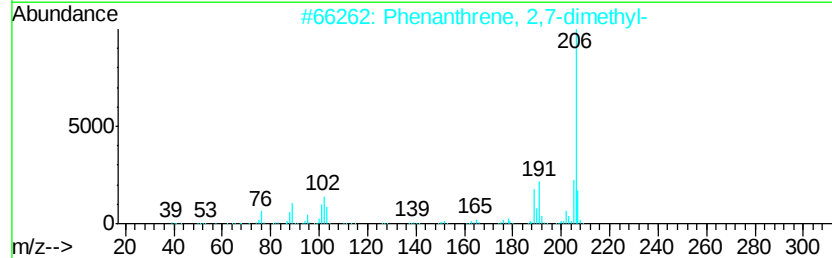
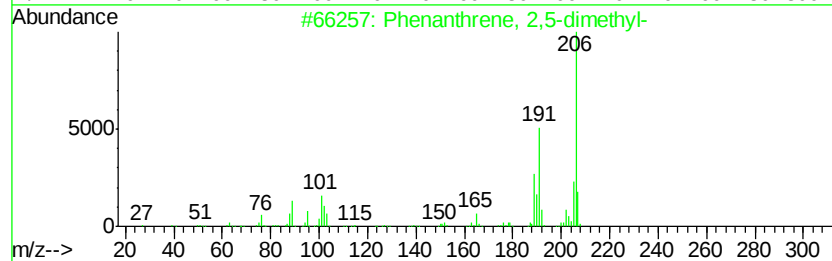
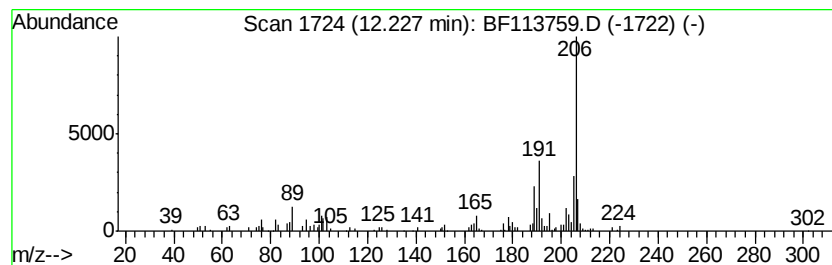
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ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.23	4.72 ng	199090	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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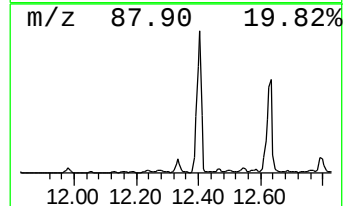
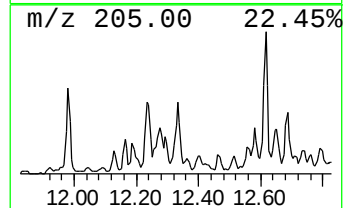
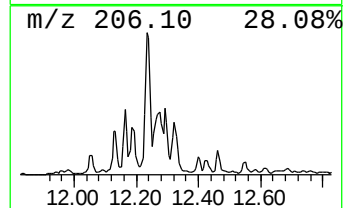
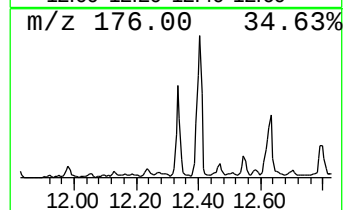
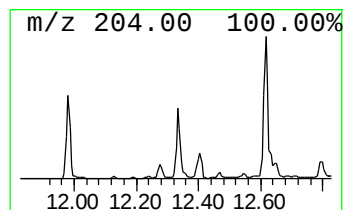
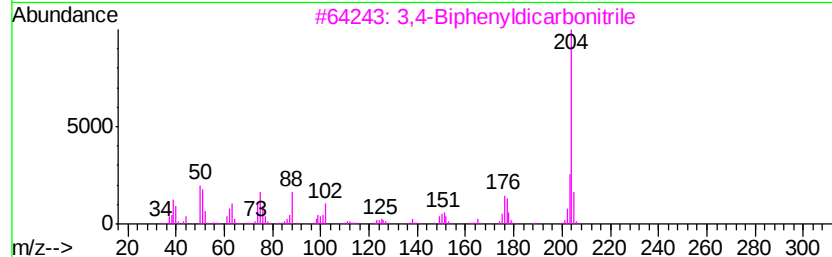
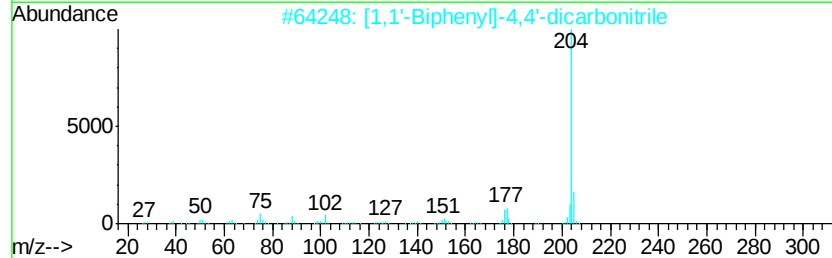
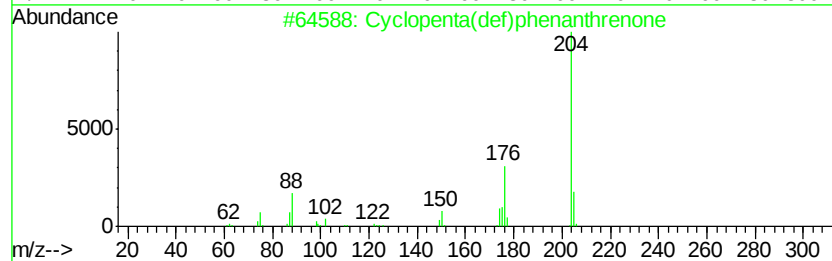
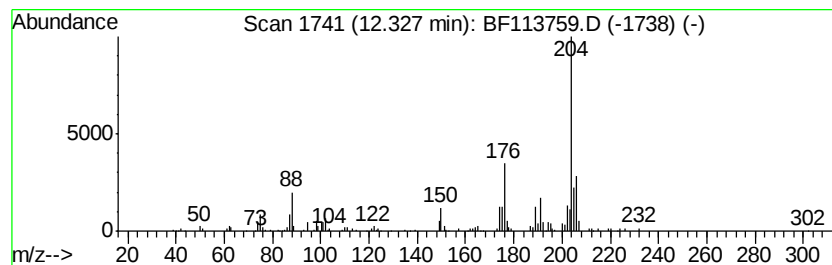
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.99 ng	252966	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
5		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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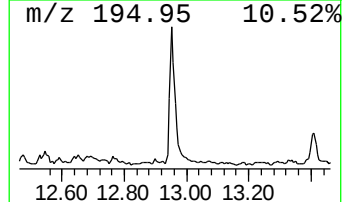
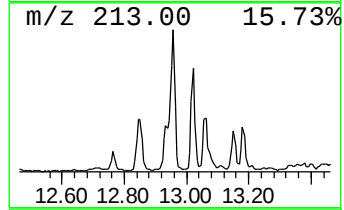
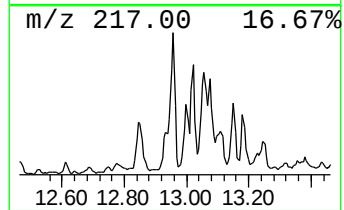
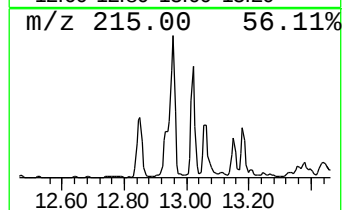
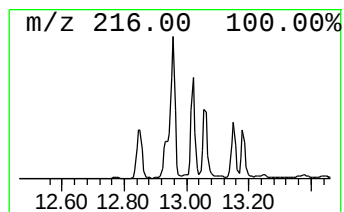
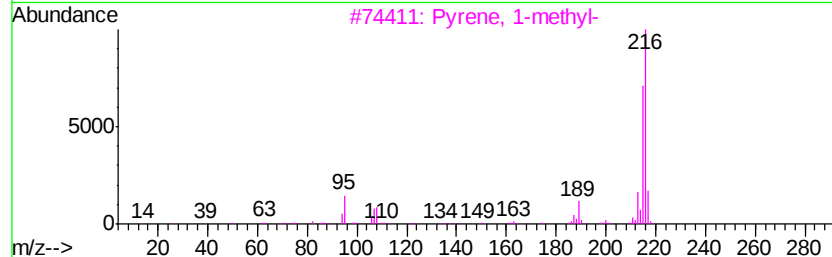
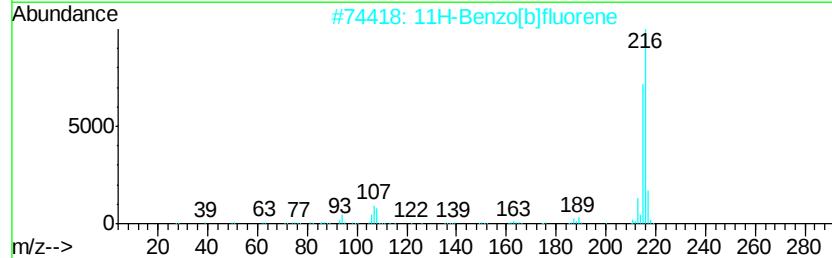
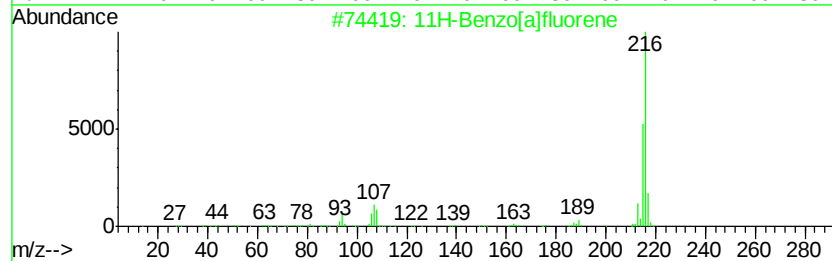
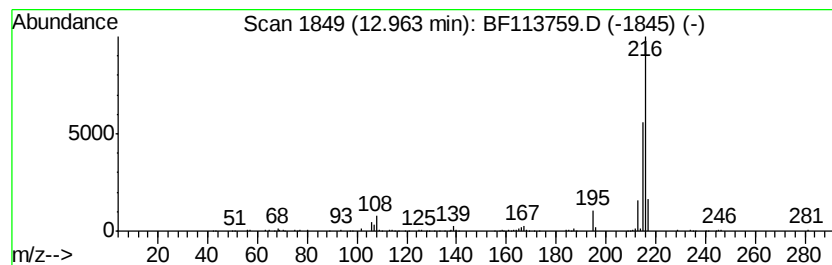
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.96 ng	582037	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5		6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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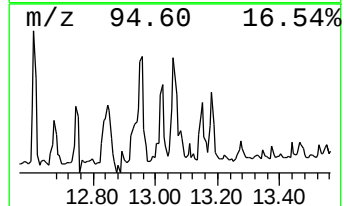
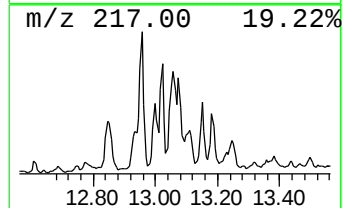
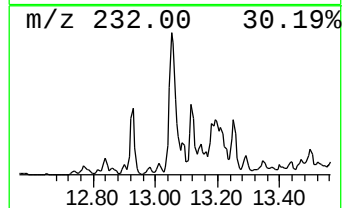
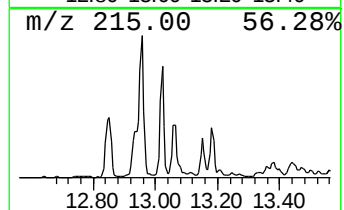
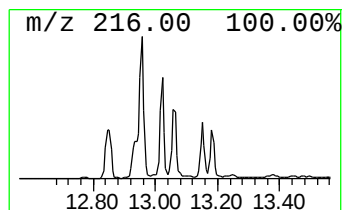
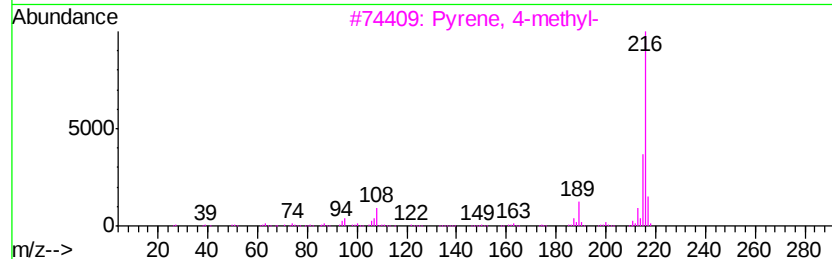
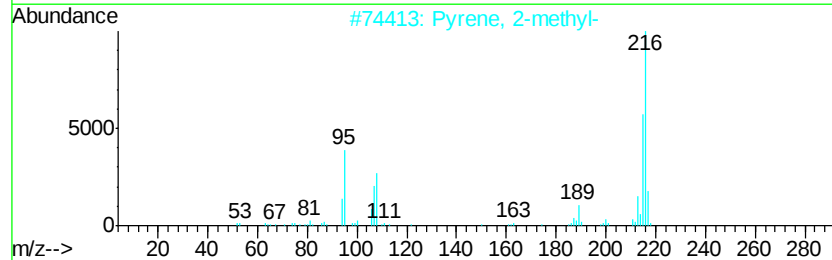
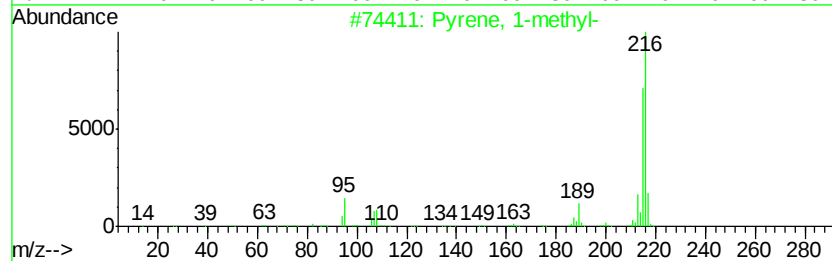
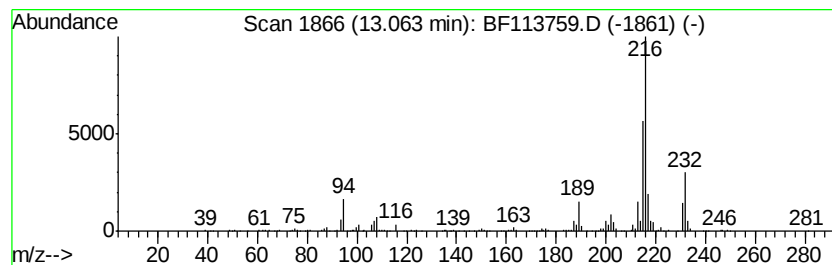
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.19 ng	626432	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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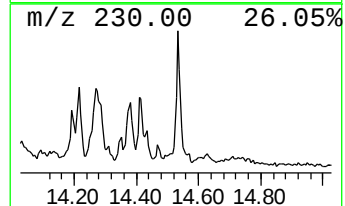
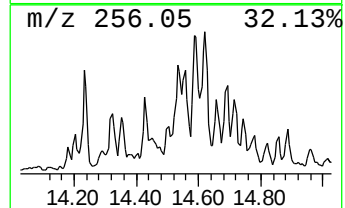
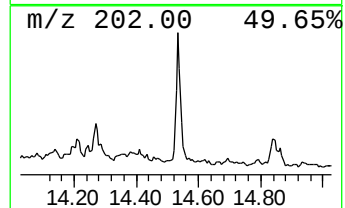
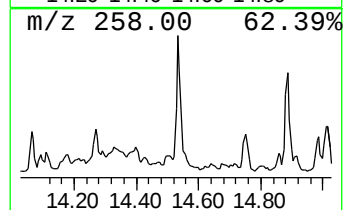
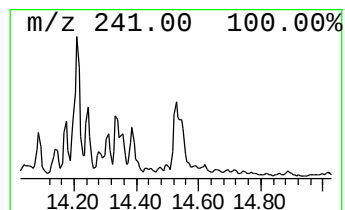
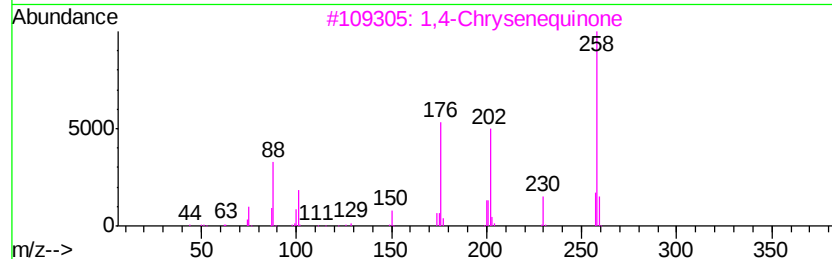
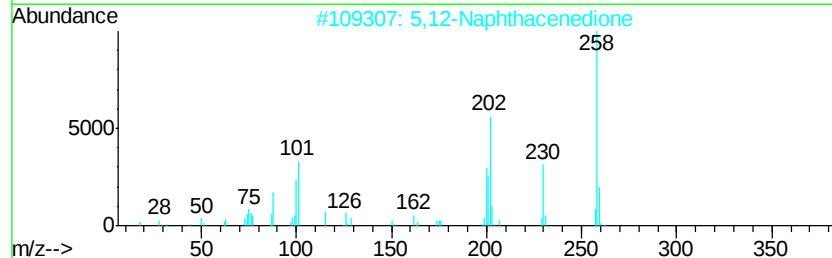
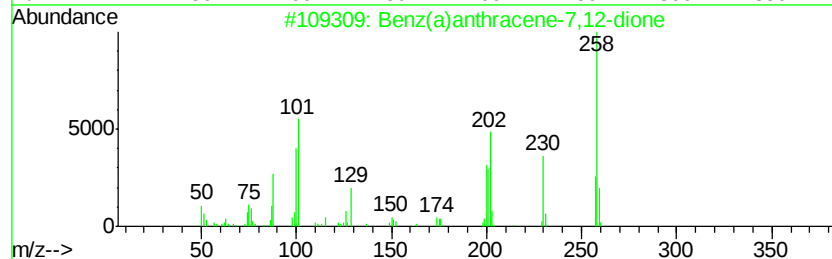
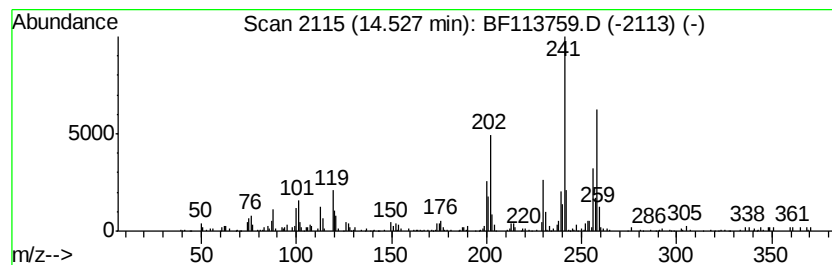
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz(a)anthracene-7,12-dione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	6.14 ng	219466	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	87
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
3		1,4-Chrysenequinone	258	C18H10O2	100900-16-1	45
4		4,5,7,8,9,10-Hexahydrobenzo[a]py...	258	C20H18	073712-75-1	38
5		3,4'-Dicarboxydiphenyl ether	258	C14H10O5	062507-84-0	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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Acq On : 13 Apr 2019 1:19
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Misc :
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ClientSampleId :
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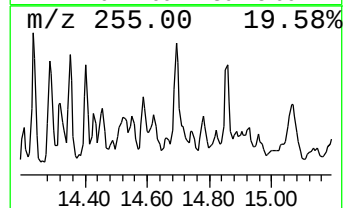
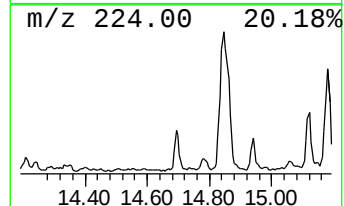
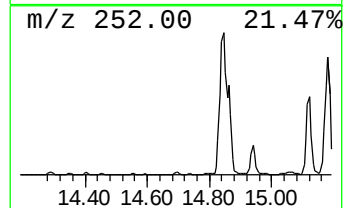
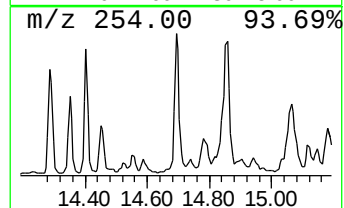
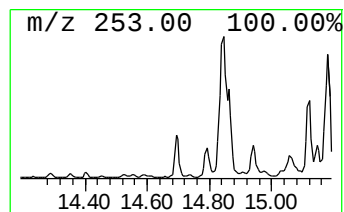
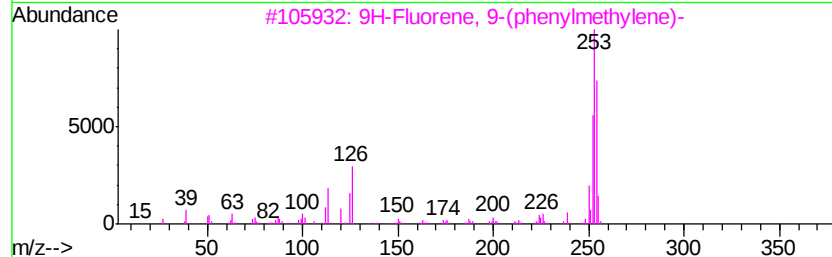
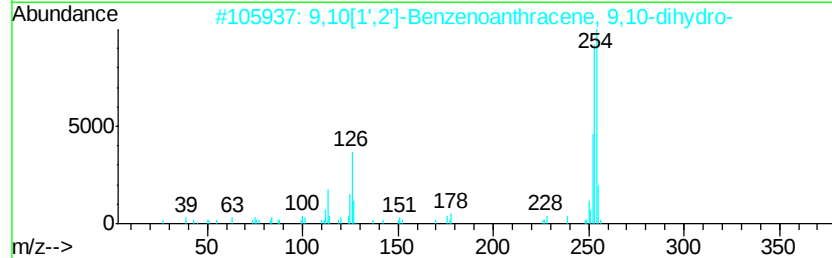
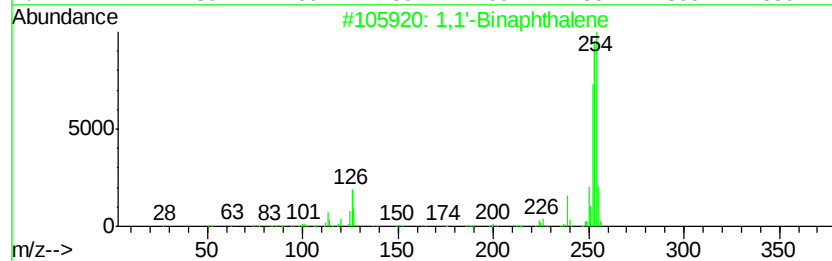
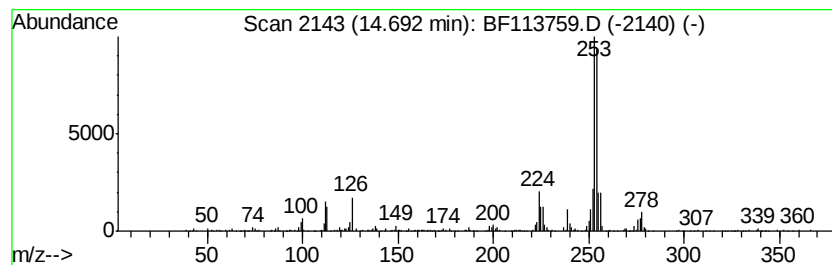
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1'-Binaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	7.58 ng	271165	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
3		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62
4		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	62
5		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
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Acq On : 13 Apr 2019 1:19
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Misc :
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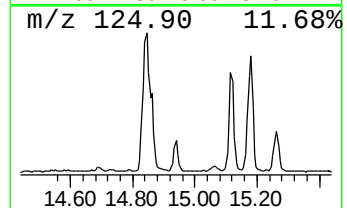
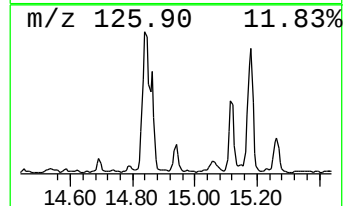
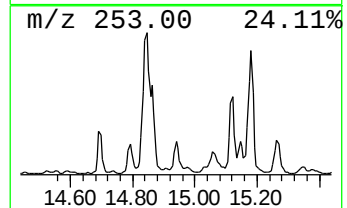
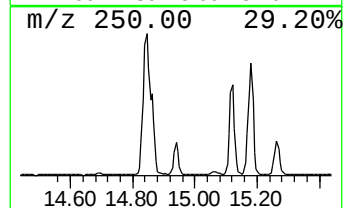
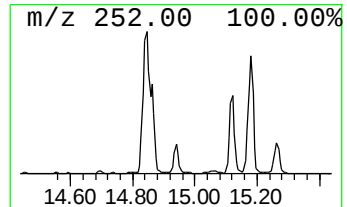
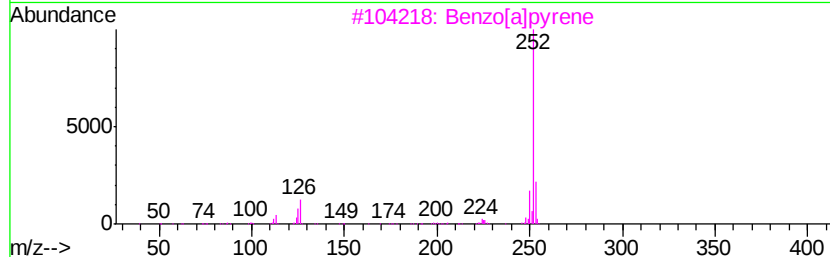
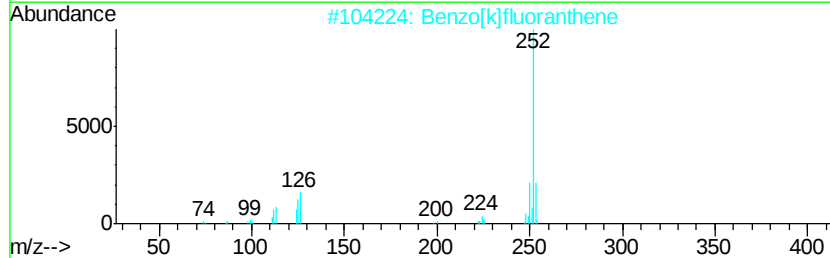
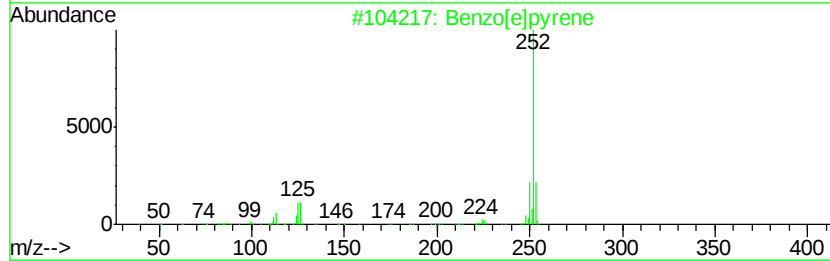
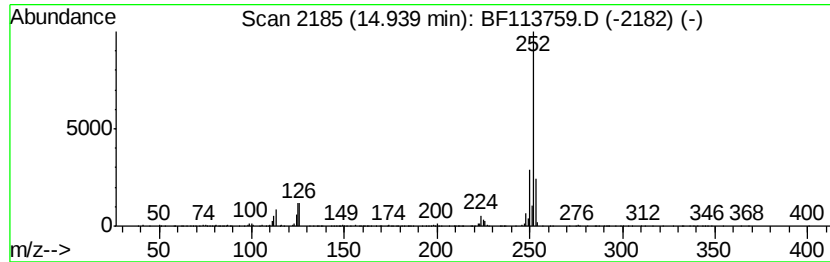
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	8.74 ng	312481	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
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Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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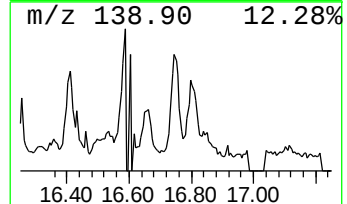
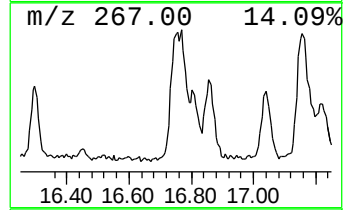
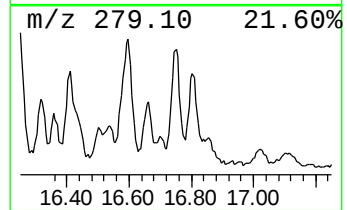
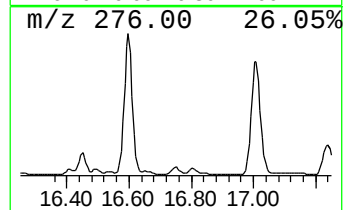
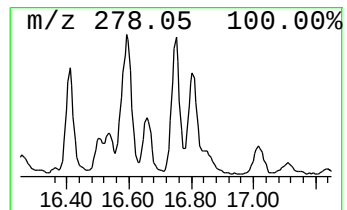
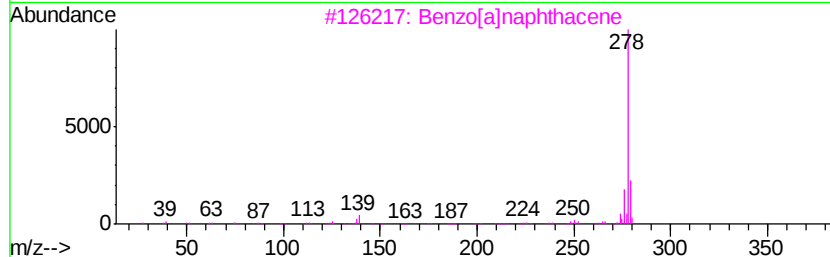
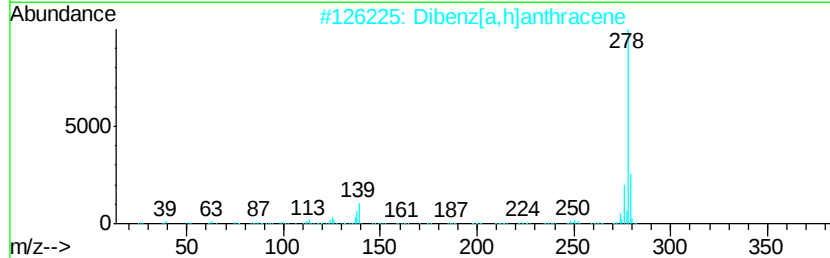
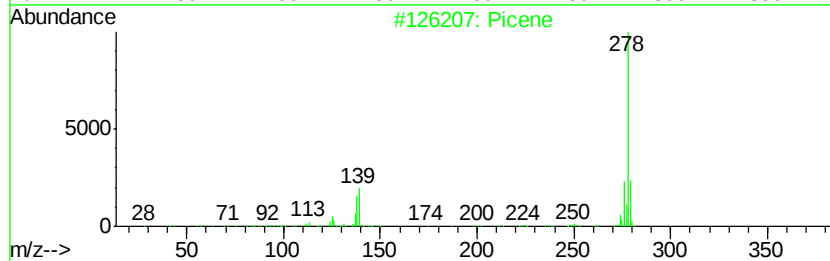
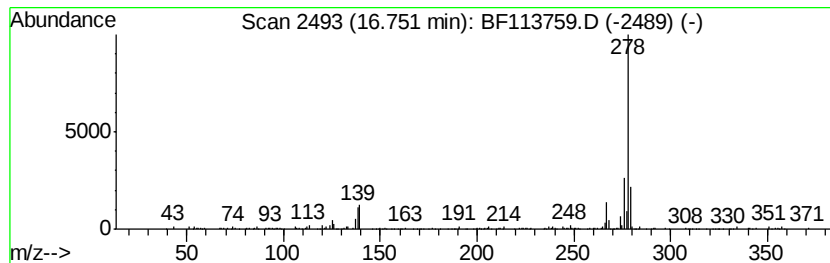
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	3.86 ng	137848	Perylene-d12	15.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	89
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
3			Benzo[a]naphthacene	278	C22H14	000226-88-0	89
4			Benzo[b]chrysene	278	C22H14	000214-17-5	89
5			Benzo[b]triphenylene	278	C22H14	000215-58-7	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TPH-FOUND

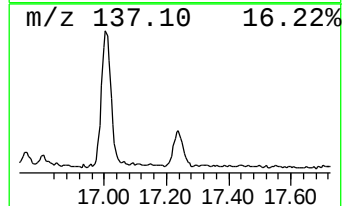
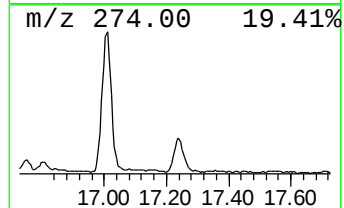
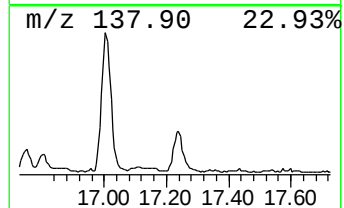
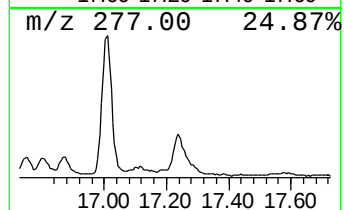
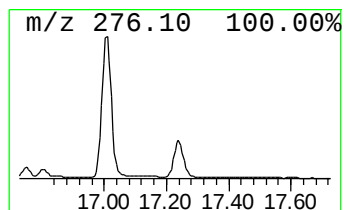
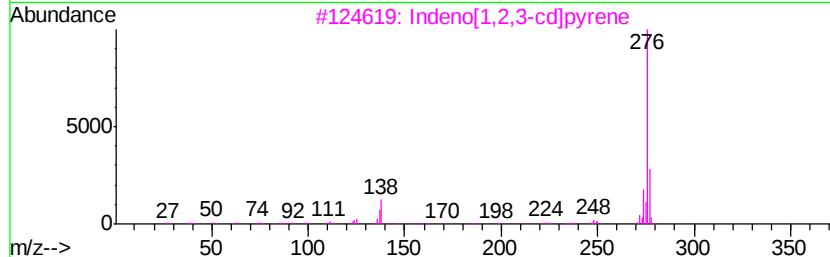
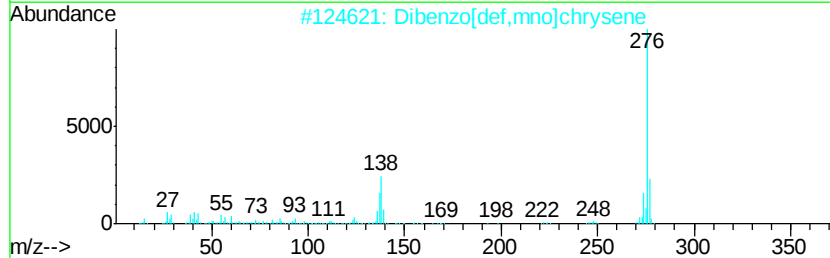
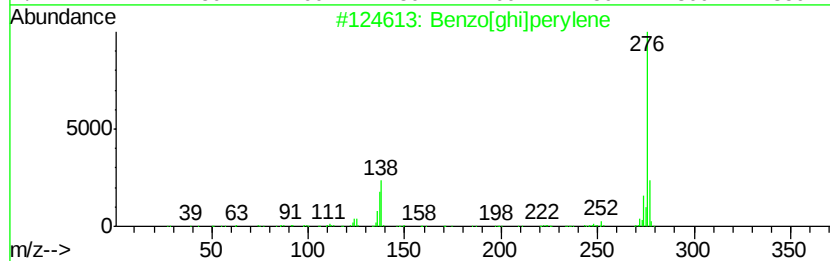
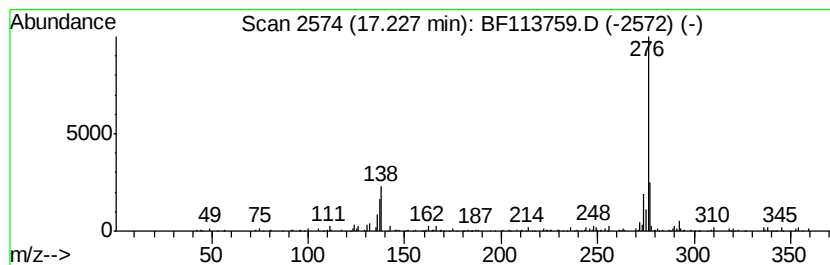
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.23 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	6.53 ng	233629	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4		1,3,5-Triazin-2-amine, N-isoprop...	276	C14H24N6	1000276-80-0	49
5		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
 Data File : BF113759.D
 Acq On : 13 Apr 2019 1:19
 Operator : JU/SJ
 Sample : K2373-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPH-FOUND

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	36.3	ng	1136740	1	6.67	627063	20.0
Naphtho[2,1-b]thi...	11.09	3.0	ng	128613	4	11.19	844417	20.0
Phenanthrene, 2-m...	11.69	6.7	ng	282280	4	11.19	844417	20.0
Anthracene, 2-met...	11.72	10.7	ng	450198	4	11.19	844417	20.0
Phenanthrene, 1-m...	11.76	4.0	ng	167569	4	11.19	844417	20.0
4H-Cyclopenta[def...	11.80	15.8	ng	666315	4	11.19	844417	20.0
Phenanthrene, 4-m...	11.82	3.7	ng	157513	4	11.19	844417	20.0
Naphthalene, 2-ph...	11.98	4.5	ng	188764	4	11.19	844417	20.0
9,10-Anthracenedione	12.02	3.8	ng	160581	4	11.19	844417	20.0
Phenanthrene, 2,5...	12.23	4.7	ng	199090	4	11.19	844417	20.0
Cyclopenta(def)ph...	12.33	6.0	ng	252966	4	11.19	844417	20.0
11H-Benzo[a]fluorene	12.96	3.0	ng	582037	5	13.83	3926710	20.0
Pyrene, 2-methyl-	13.06	3.2	ng	626432	5	13.83	3926710	20.0
Benz(a)anthracene...	14.53	6.1	ng	219466	6	15.23	715113	20.0
1,1'-Binaphthalene	14.69	7.6	ng	271165	6	15.23	715113	20.0
Benzo[e]pyrene	14.94	8.7	ng	312481	6	15.23	715113	20.0
Picene	16.75	3.9	ng	137848	6	15.23	715113	20.0
unknown17.23	17.23	6.5	ng	233629	6	15.23	715113	20.0