

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100993.D
 Acq On : 29 Nov 2017 22:05
 Operator : SJ/JU
 Sample : I6610-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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	5.075	504	508	518	rBV	61275	88856	4.12%	0.294%
2	5.475	571	576	579	rBV	1158202	1054929	48.95%	3.487%
3	6.487	744	748	758	rBV	1057602	1125218	52.21%	3.720%
4	6.628	767	772	775	rBV	1315254	1116281	51.80%	3.690%
5	6.851	807	810	814	rBV	390475	320971	14.89%	1.061%
6	7.010	833	837	840	rBV	1087587	872980	40.51%	2.886%
7	7.416	902	906	909	rBV	732776	645161	29.94%	2.133%
8	8.134	1025	1028	1031	rBV	470867	406831	18.88%	1.345%
9	9.210	1207	1211	1214	rBV	1524185	1189973	55.22%	3.934%
10	9.545	1264	1268	1271	rBV	50600	51194	2.38%	0.169%
11	9.598	1275	1277	1284	rVB	98185	93201	4.32%	0.308%
12	9.751	1300	1303	1307	rBV	127367	99646	4.62%	0.329%
13	9.892	1324	1327	1330	rVV	441305	363893	16.89%	1.203%
14	9.922	1330	1332	1335	rVB	166068	124909	5.80%	0.413%
15	10.092	1356	1361	1365	rVV2	97652	94550	4.39%	0.313%
16	10.310	1396	1398	1401	rVB	59870	48870	2.27%	0.162%
17	10.439	1416	1420	1424	rVB	144235	128516	5.96%	0.425%
18	10.592	1444	1446	1454	rVB	51087	48630	2.26%	0.161%
19	10.680	1457	1461	1465	rVV	733935	637639	29.59%	2.108%
20	10.986	1506	1513	1516	rBV4	49082	67943	3.15%	0.225%
21	11.186	1544	1547	1550	rVV	108054	97608	4.53%	0.323%
22	11.233	1551	1555	1558	rVV3	55506	70719	3.28%	0.234%
23	11.275	1558	1562	1567	rVB	93756	92146	4.28%	0.305%
24	11.380	1576	1580	1582	rBV	386072	372601	17.29%	1.232%
25	11.410	1582	1585	1588	rVV	1507163	1294990	60.09%	4.281%
26	11.457	1588	1593	1596	rVV	389118	332585	15.43%	1.099%
27	11.610	1612	1619	1622	rBV2	166871	183448	8.51%	0.606%
28	11.675	1626	1630	1633	rVV4	42787	52721	2.45%	0.174%
29	11.710	1633	1636	1641	rVB4	64004	69447	3.22%	0.230%
30	11.880	1660	1665	1667	rBV	278933	273488	12.69%	0.904%
31	11.910	1667	1670	1673	rVV	404715	408339	18.95%	1.350%
32	11.957	1675	1678	1681	rVV	132712	109435	5.08%	0.362%
33	11.992	1681	1684	1687	rVV2	382789	449475	20.86%	1.486%
34	12.016	1687	1688	1692	rVB	222884	128317	5.95%	0.424%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
 Data File : BF100993.D
 Acq On : 29 Nov 2017 22:05
 Operator : SJ/JU
 Sample : I6610-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.063	1692	1696	1698	rBV3	43540	49307	2.29%	0.163%
36	12.175	1712	1715	1718	rVV	176550	156695	7.27%	0.518%
37	12.204	1718	1720	1725	rVB	175862	151466	7.03%	0.501%
38	12.327	1735	1741	1743	rBV3	79391	101793	4.72%	0.336%
39	12.357	1743	1746	1748	rVB	66839	48237	2.24%	0.159%
40	12.380	1748	1750	1752	rVB	66561	50194	2.33%	0.166%
41	12.433	1752	1759	1761	rBV	169622	200624	9.31%	0.663%
42	12.469	1761	1765	1767	rVV3	88347	128965	5.98%	0.426%
43	12.522	1770	1774	1778	rVB	157403	197064	9.14%	0.651%
44	12.569	1778	1782	1783	rBV3	62749	52710	2.45%	0.174%
45	12.604	1783	1788	1791	rVB	1929230	1942868	90.15%	6.422%
46	12.657	1795	1797	1800	rVV2	73730	64144	2.98%	0.212%
47	12.686	1800	1802	1805	rVB2	120205	107555	4.99%	0.356%
48	12.745	1805	1812	1815	rBV4	92812	181564	8.42%	0.600%
49	12.833	1820	1827	1830	rBV2	1704546	2155063	100.00%	7.124%
50	12.874	1831	1834	1837	rVB2	109775	110082	5.11%	0.364%
51	12.963	1846	1849	1852	rBV	926242	774770	35.95%	2.561%
52	12.986	1852	1853	1856	rVB	166256	91482	4.24%	0.302%
53	13.045	1857	1863	1866	rBV2	170640	289740	13.44%	0.958%
54	13.127	1874	1877	1879	rBV4	151296	186845	8.67%	0.618%
55	13.151	1879	1881	1884	rVB	270503	254555	11.81%	0.841%
56	13.186	1884	1887	1889	rBV	65513	62432	2.90%	0.206%
57	13.221	1889	1893	1895	rBV	154676	145652	6.76%	0.481%
58	13.257	1895	1899	1902	rBV2	222160	250025	11.60%	0.826%
59	13.351	1910	1915	1917	rVB	125244	113493	5.27%	0.375%
60	13.380	1917	1920	1923	rVB2	141717	135380	6.28%	0.448%
61	13.539	1942	1947	1948	rBV3	55767	89944	4.17%	0.297%
62	13.663	1965	1968	1972	rVB	256798	231113	10.72%	0.764%
63	13.774	1982	1987	1989	rBV2	215868	267021	12.39%	0.883%
64	13.798	1989	1991	1994	rVB	147592	125192	5.81%	0.414%
65	13.827	1994	1996	1997	rBV	122177	98024	4.55%	0.324%
66	13.874	2002	2004	2011	rVB	233709	215410	10.00%	0.712%
67	13.939	2011	2015	2021	rBV2	51695	101711	4.72%	0.336%
68	13.992	2021	2024	2025	rVV2	118019	109113	5.06%	0.361%
69	14.021	2025	2029	2033	rVV2	1070242	1622225	75.28%	5.362%
70	14.057	2033	2035	2042	rVV	1023516	847510	39.33%	2.802%
71	14.133	2045	2048	2052	rVV	151011	154879	7.19%	0.512%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
 Data File : BF100993.D
 Acq On : 29 Nov 2017 22:05
 Operator : SJ/JU
 Sample : I6610-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.168	2052	2054	2057	rVV3	71763	99814	4.63%	0.330%
73	14.216	2060	2062	2064	rVV	77229	70039	3.25%	0.232%
74	14.251	2064	2068	2071	rVV2	111264	140275	6.51%	0.464%
75	14.280	2071	2073	2076	rVB3	51145	48916	2.27%	0.162%
76	14.339	2081	2083	2086	rVV2	39921	54274	2.52%	0.179%
77	14.374	2086	2089	2091	rVV2	76880	99707	4.63%	0.330%
78	14.410	2091	2095	2098	rVV	238069	285446	13.25%	0.944%
79	14.445	2098	2101	2104	rVV	138331	165068	7.66%	0.546%
80	14.486	2104	2108	2110	rVV5	92481	157764	7.32%	0.522%
81	14.533	2114	2116	2118	rVV	130300	134222	6.23%	0.444%
82	14.557	2118	2120	2124	rVV2	117110	138937	6.45%	0.459%
83	14.604	2126	2128	2135	rVV3	97505	121713	5.65%	0.402%
84	14.910	2176	2180	2187	rVB2	66013	131554	6.10%	0.435%
85	14.968	2187	2190	2196	rBV5	26598	56607	2.63%	0.187%
86	15.074	2202	2208	2211	rBV	631970	1036101	48.08%	3.425%
87	15.180	2222	2226	2229	rVB	123399	132922	6.17%	0.439%
88	15.268	2237	2241	2242	rBV2	36649	46622	2.16%	0.154%
89	15.380	2255	2260	2266	rVB	353008	514522	23.88%	1.701%
90	15.445	2266	2271	2275	rBV	521847	643348	29.85%	2.127%
91	15.498	2276	2280	2283	rVV	205005	285078	13.23%	0.942%
92	15.533	2283	2286	2292	rVB2	161480	230900	10.71%	0.763%
93	15.933	2350	2354	2359	rVB2	77898	123665	5.74%	0.409%
94	15.986	2359	2363	2367	rBV4	35892	60529	2.81%	0.200%
95	16.062	2373	2376	2381	rBV2	37946	48943	2.27%	0.162%
96	16.986	2526	2533	2540	rVB	224941	450081	20.88%	1.488%
97	17.157	2557	2562	2567	rVB2	44368	79809	3.70%	0.264%
98	17.221	2568	2573	2578	rVB3	35235	64002	2.97%	0.212%
99	17.439	2603	2610	2620	rVB2	170489	372761	17.30%	1.232%
100	17.674	2646	2650	2659	rVB3	37058	77713	3.61%	0.257%

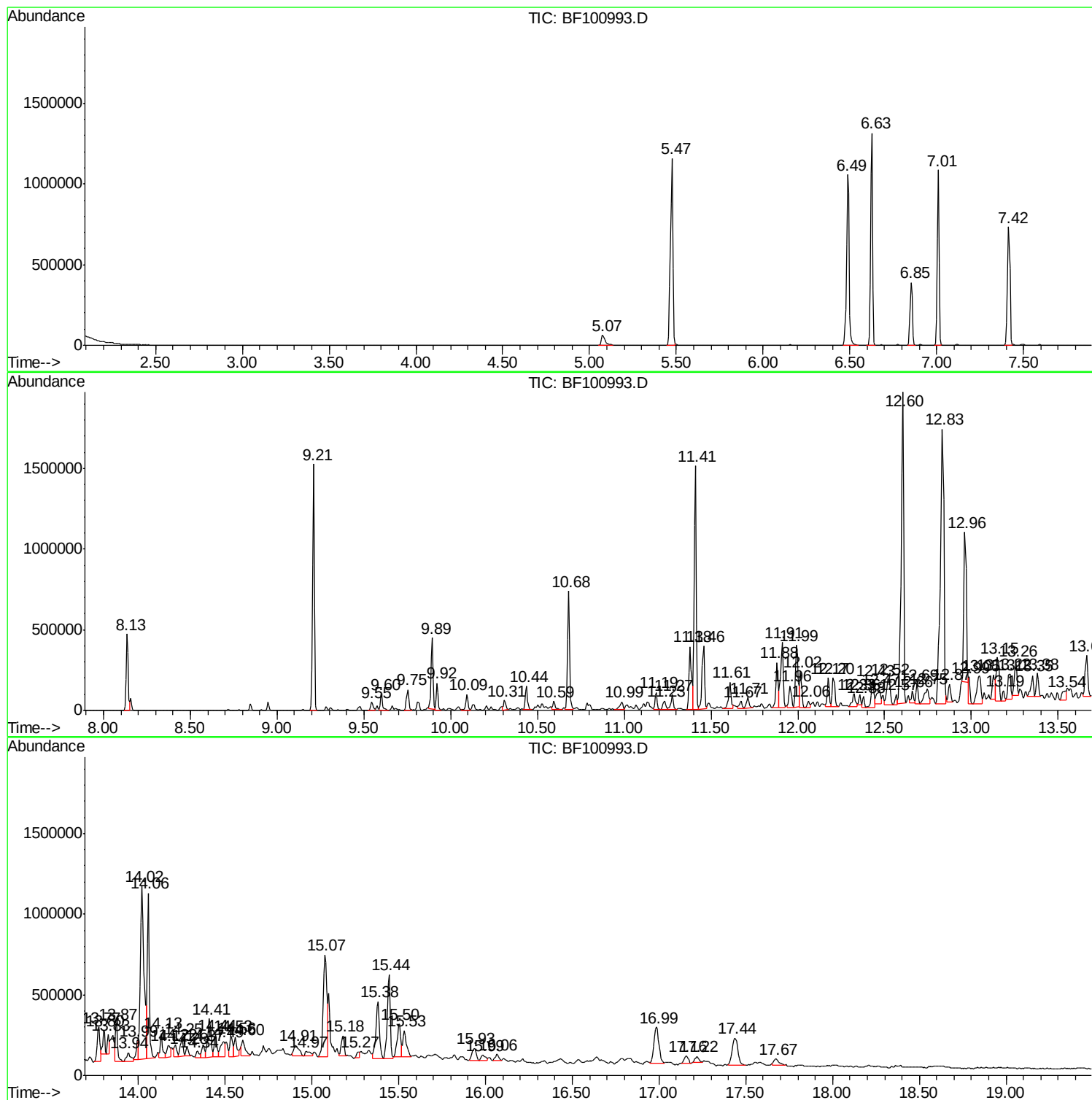
Sum of corrected areas: 30251689

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

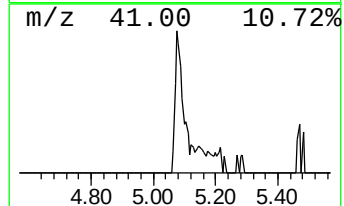
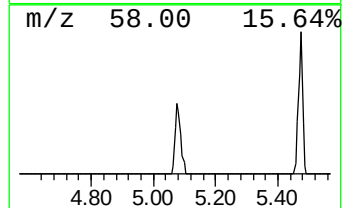
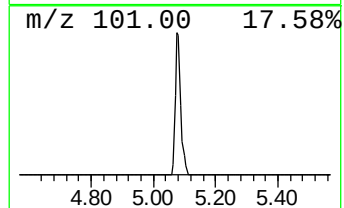
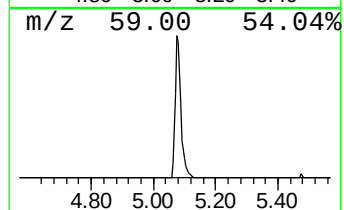
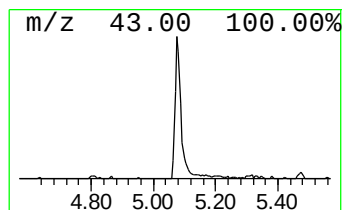
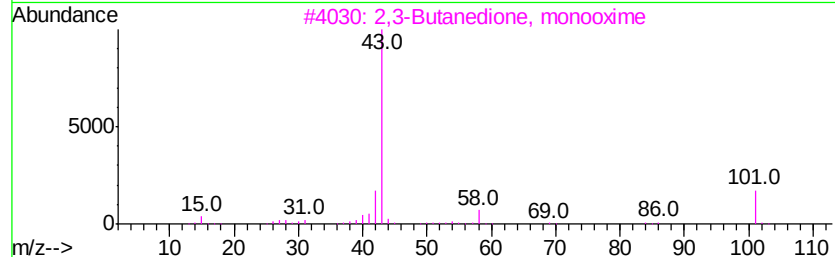
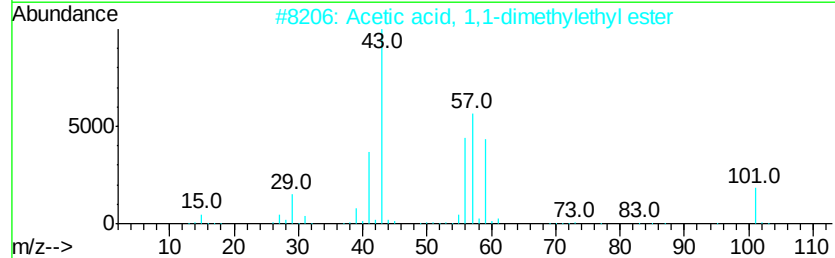
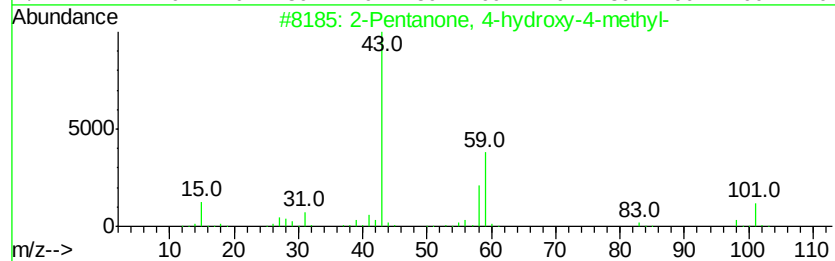
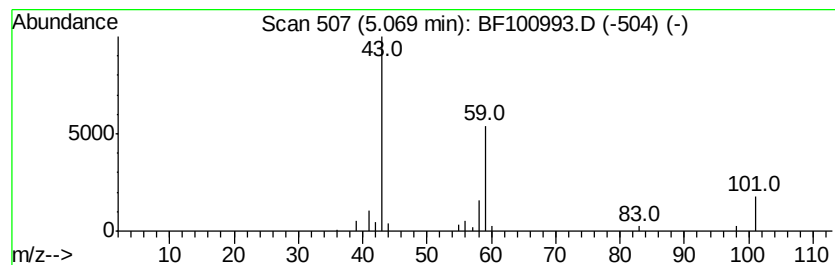
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	5.54 ng	88856	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5			4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

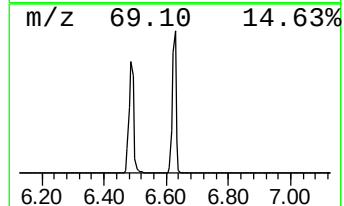
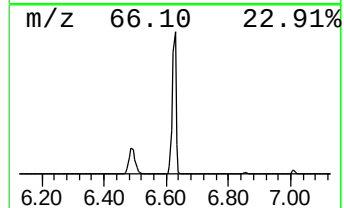
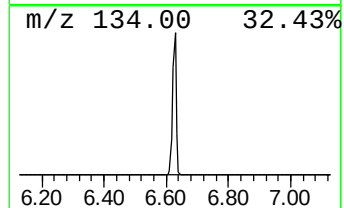
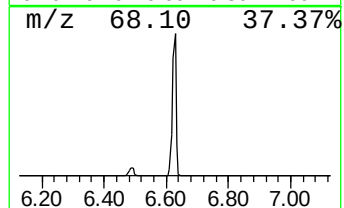
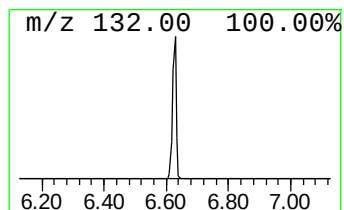
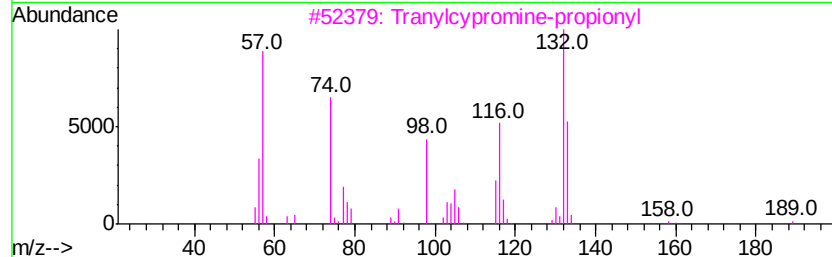
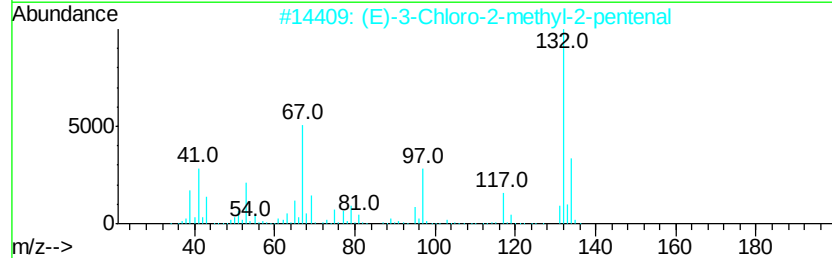
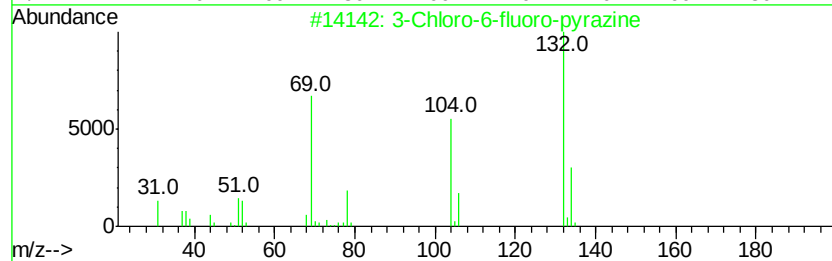
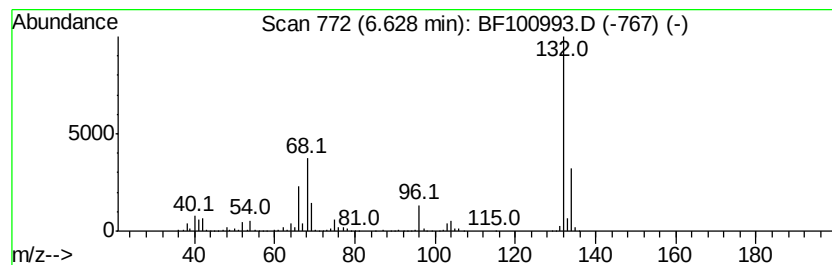
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	69.56 ng	1116280	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

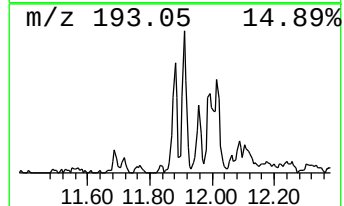
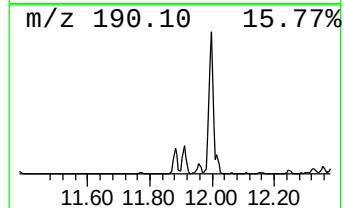
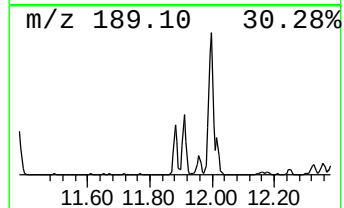
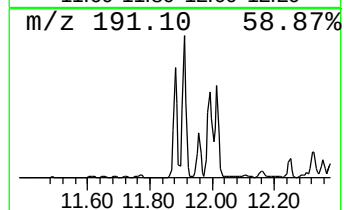
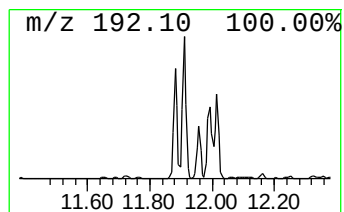
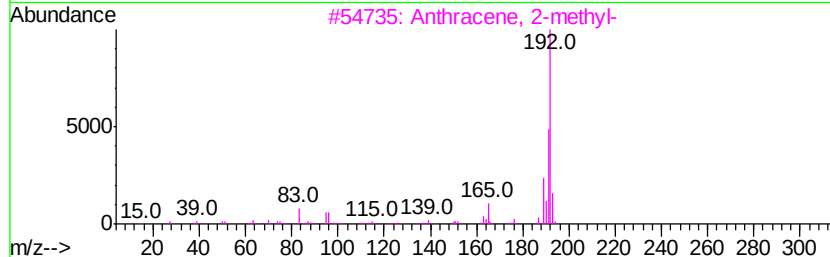
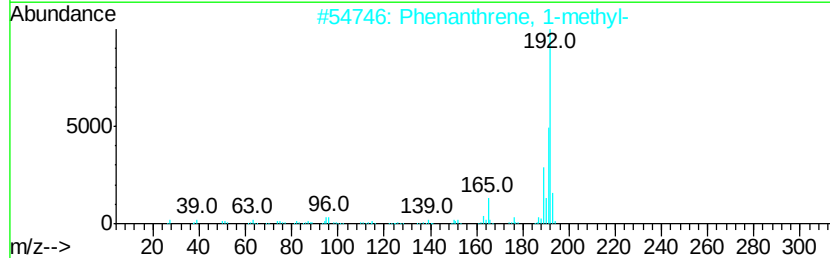
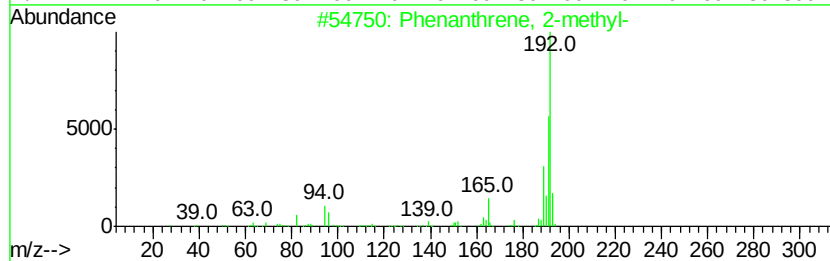
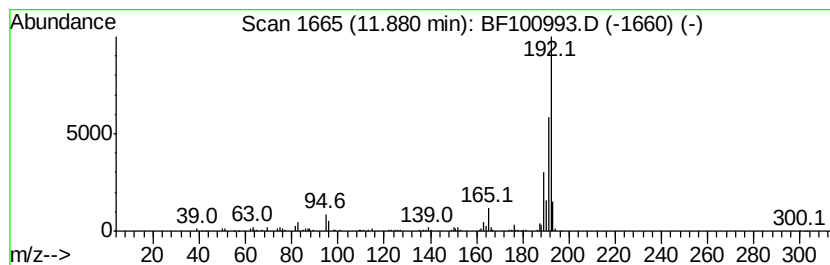
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.88	14.68 ng	273488	Phenanthrene-d10	11.38	
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	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

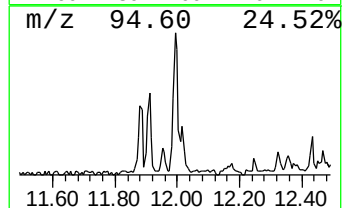
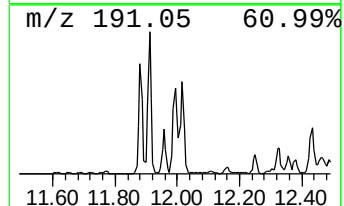
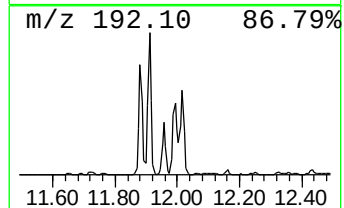
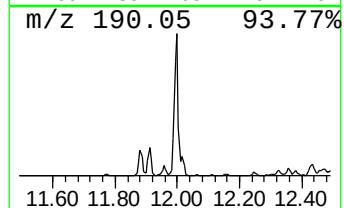
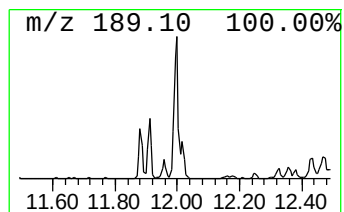
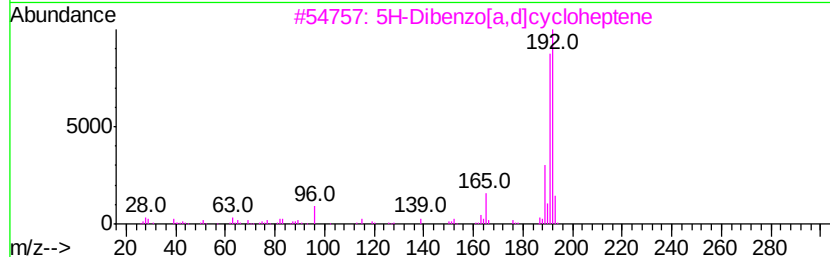
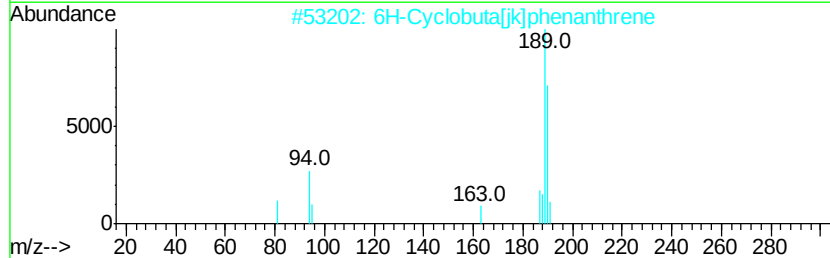
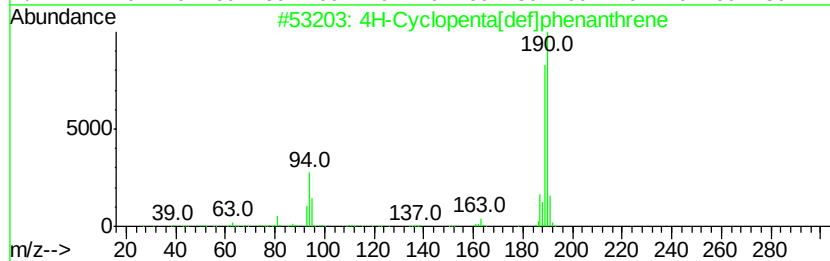
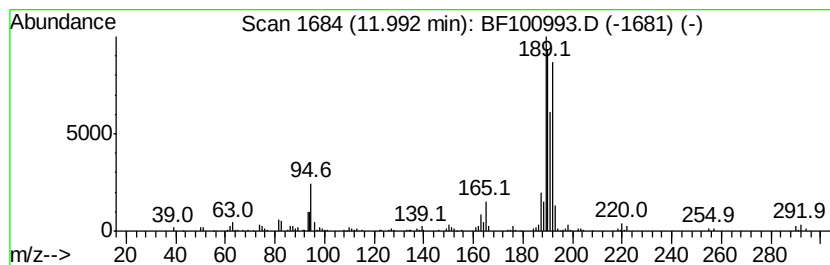
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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.		
11.99	24.13 ng	449475	Phenanthrene-d10		11.38		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2			6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
3			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

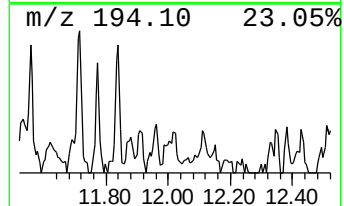
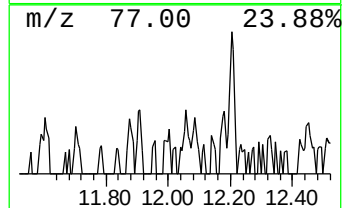
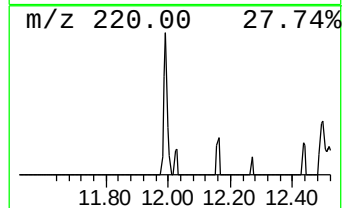
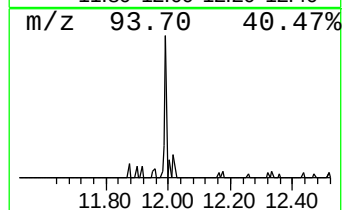
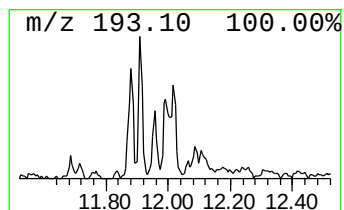
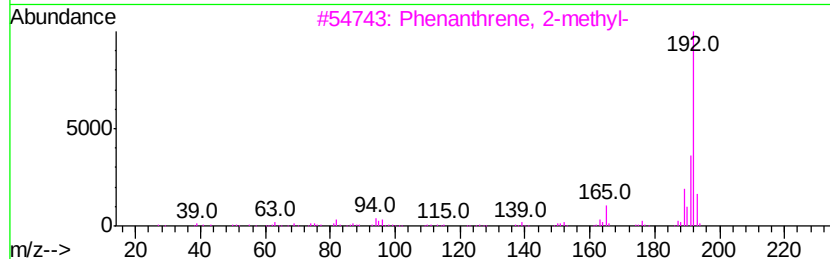
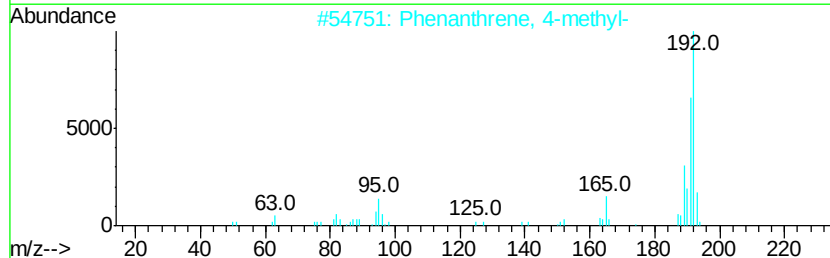
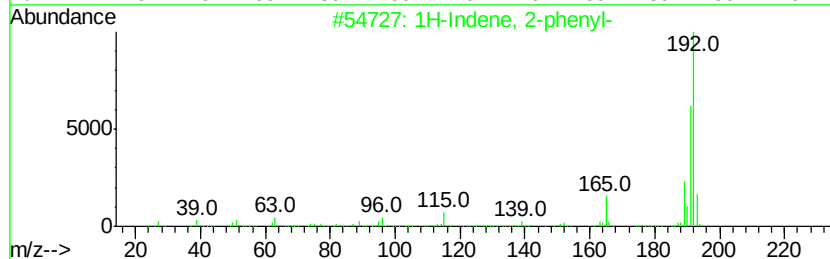
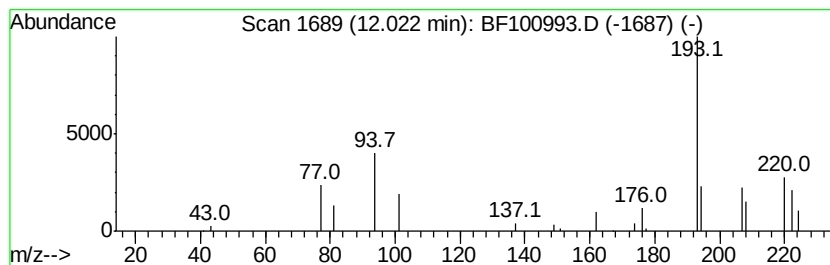
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.89 ng	128317	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

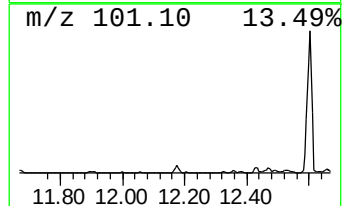
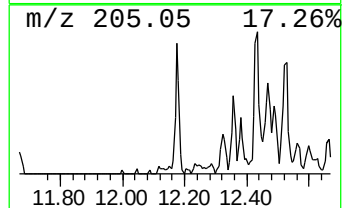
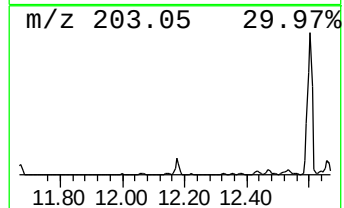
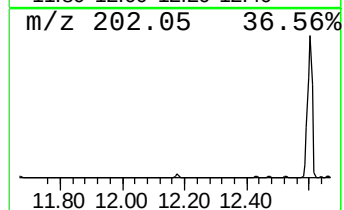
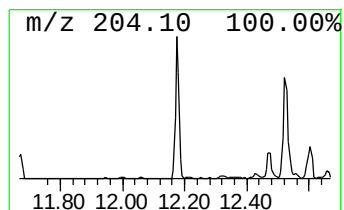
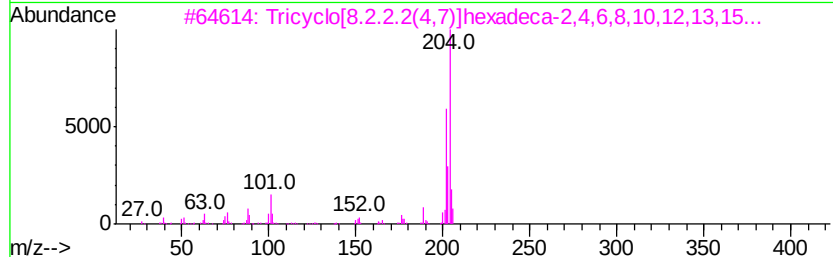
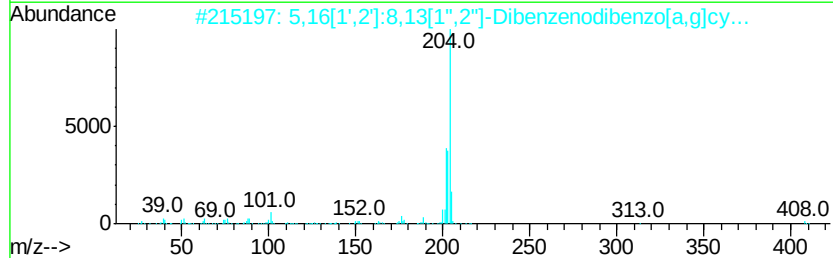
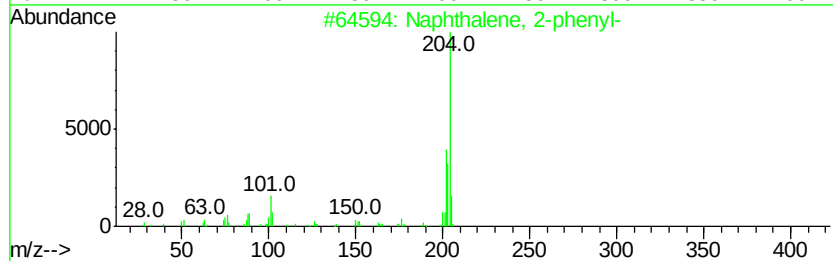
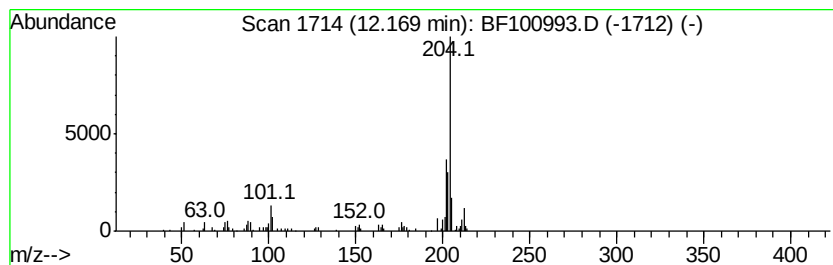
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	8.41 ng	156695	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

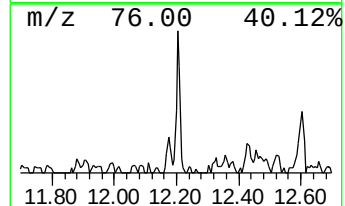
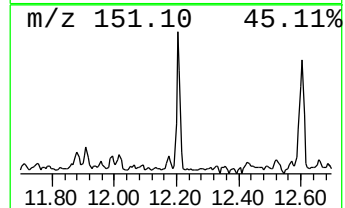
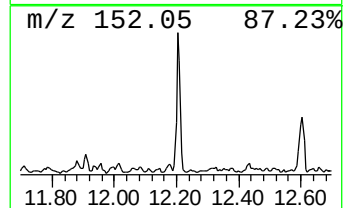
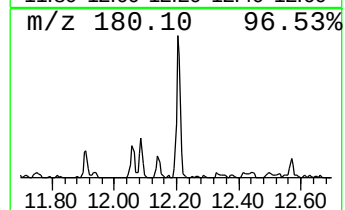
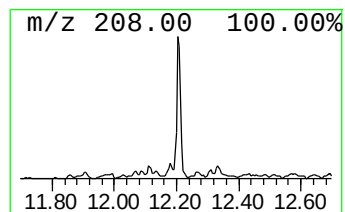
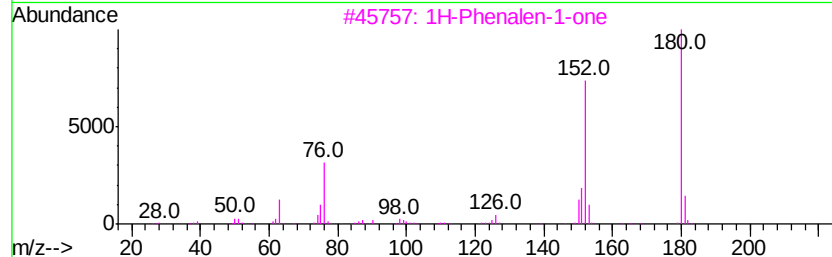
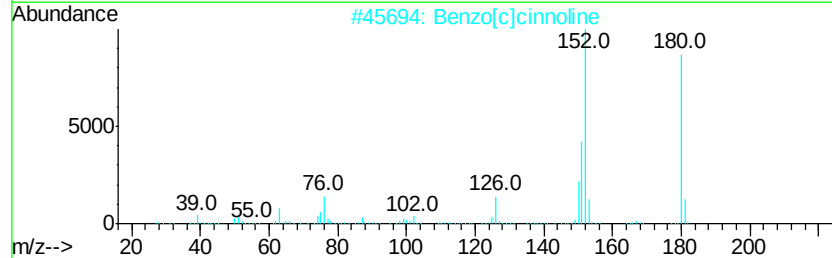
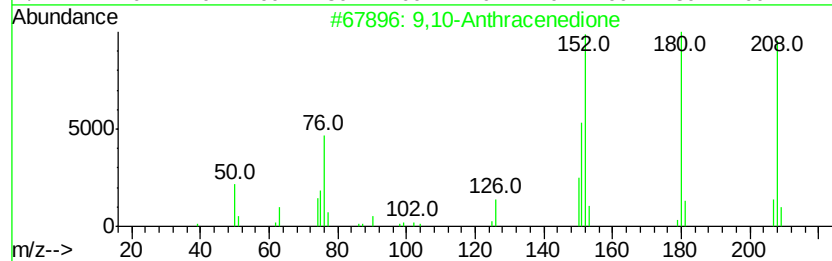
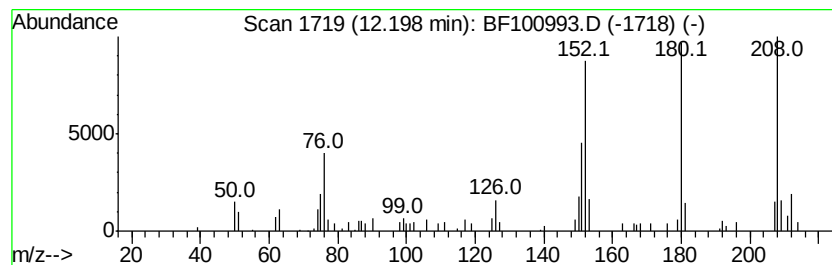
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	8.13 ng	151466	Phenanthrene-d10	11.38

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	96
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

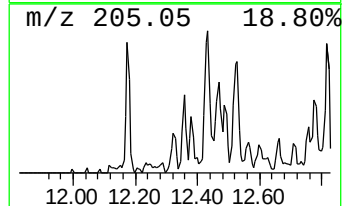
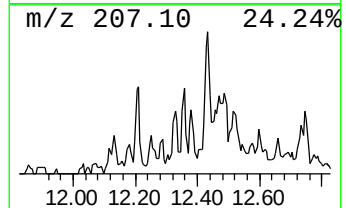
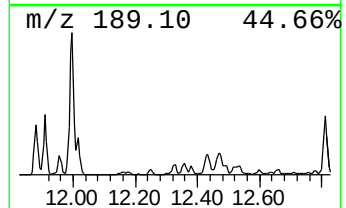
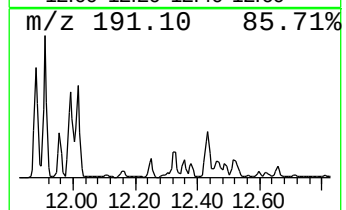
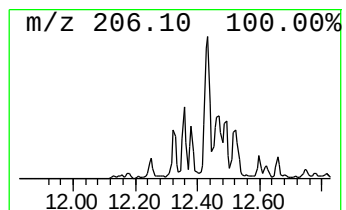
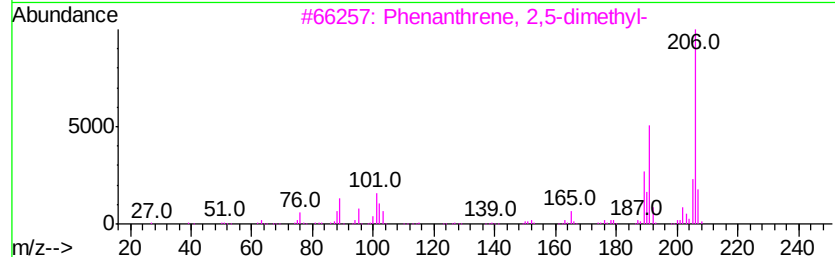
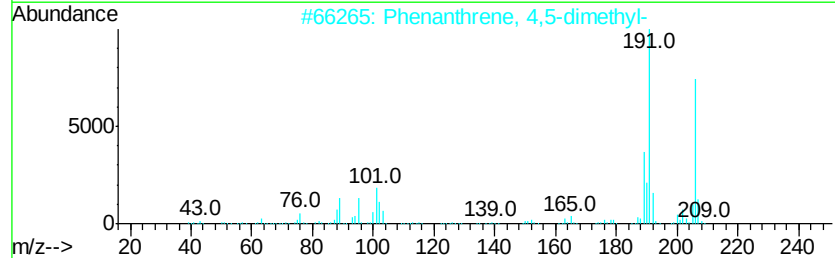
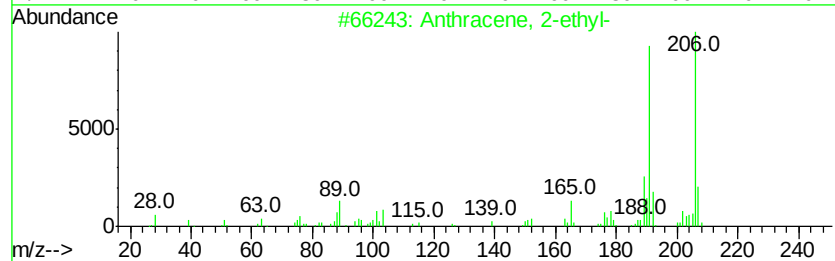
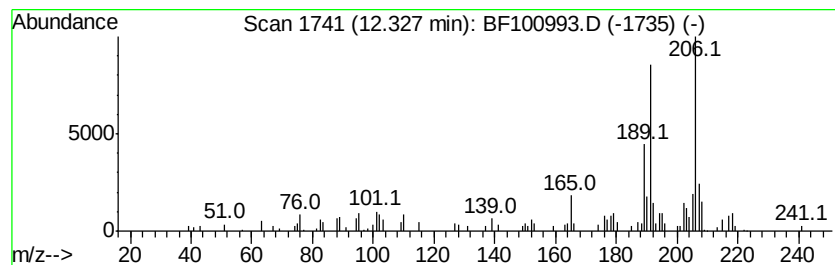
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.46 ng	101793	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

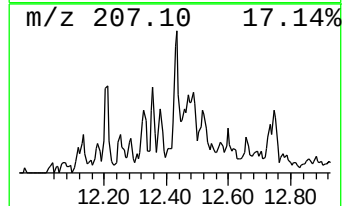
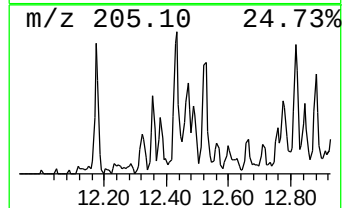
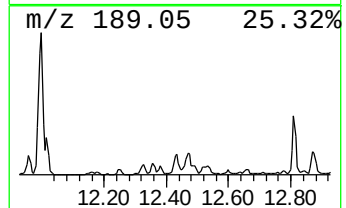
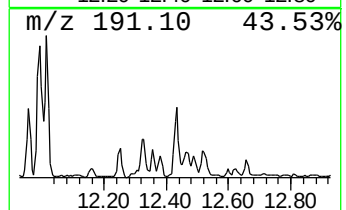
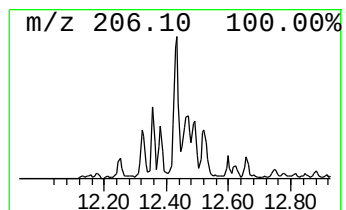
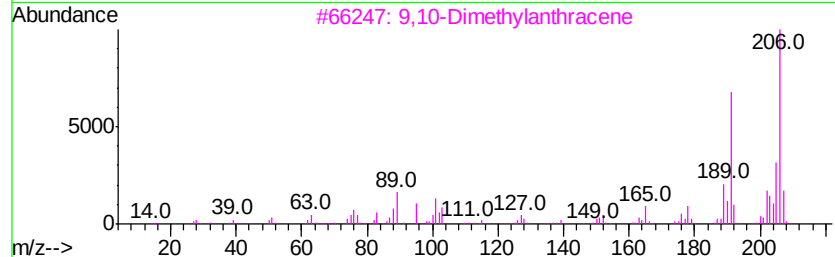
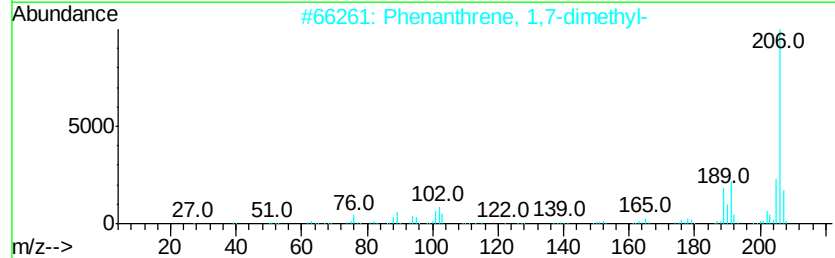
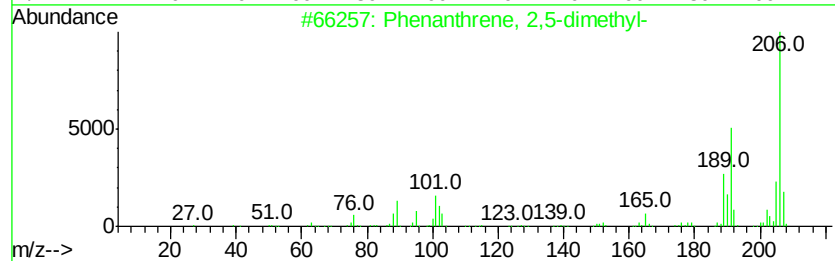
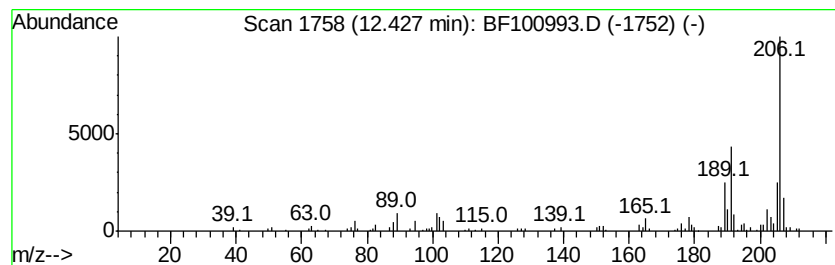
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	10.77 ng	200624	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

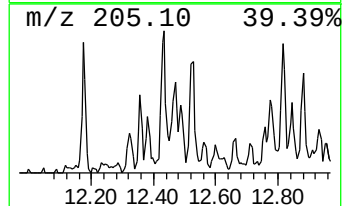
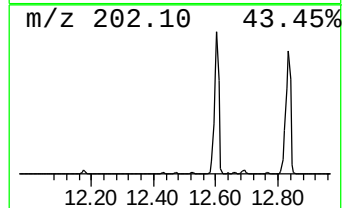
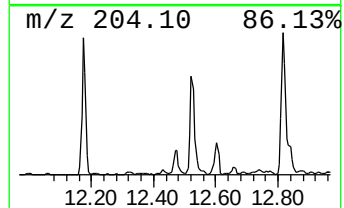
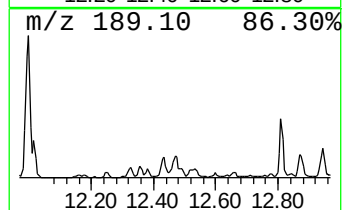
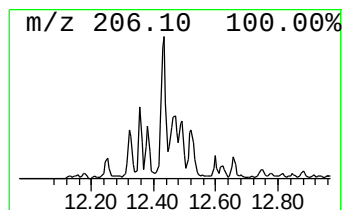
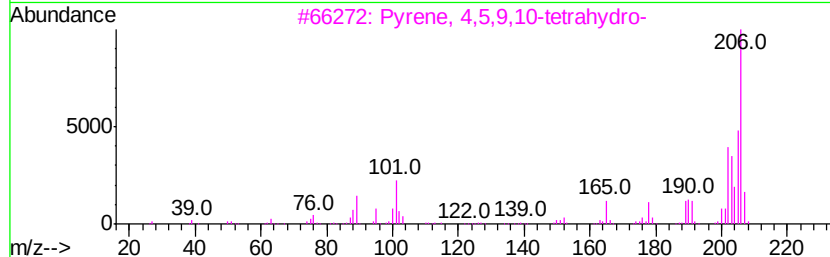
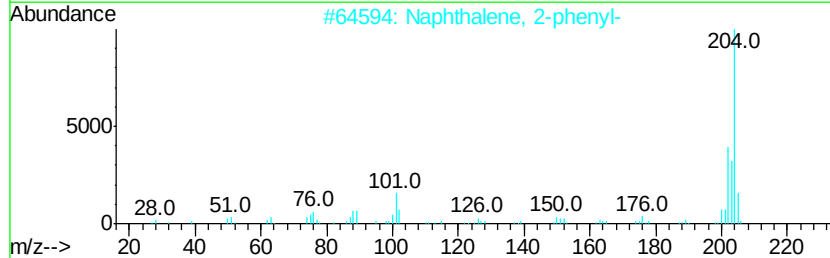
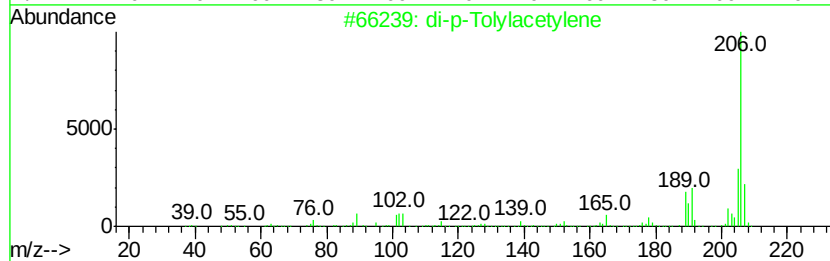
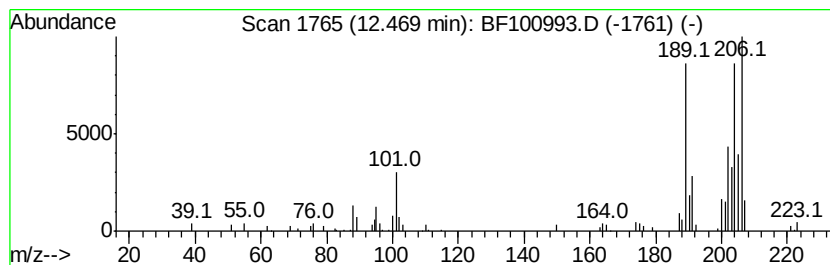
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.47 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	6.92 ng	128965	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	30
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
3		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	27
5		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

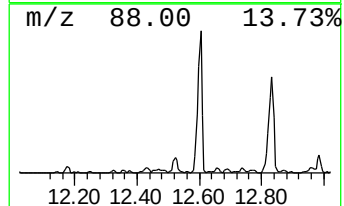
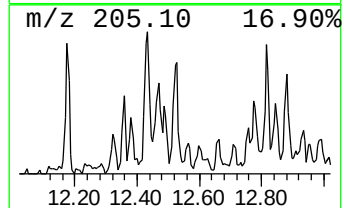
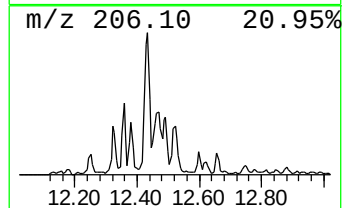
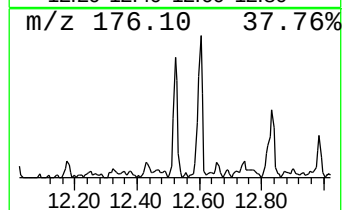
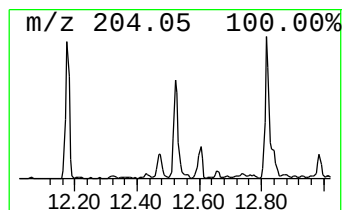
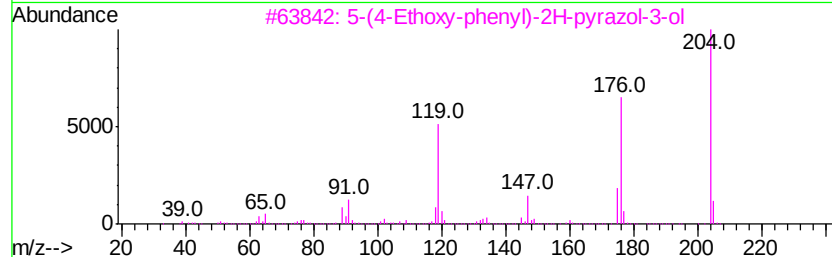
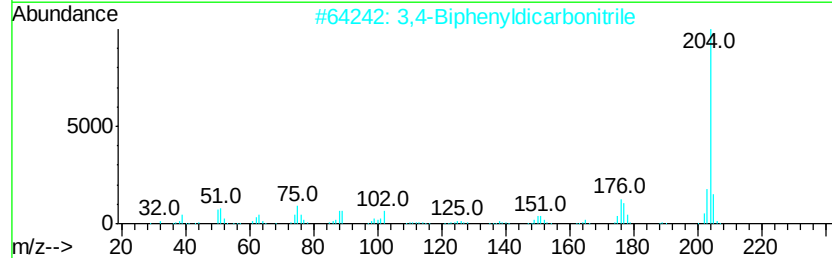
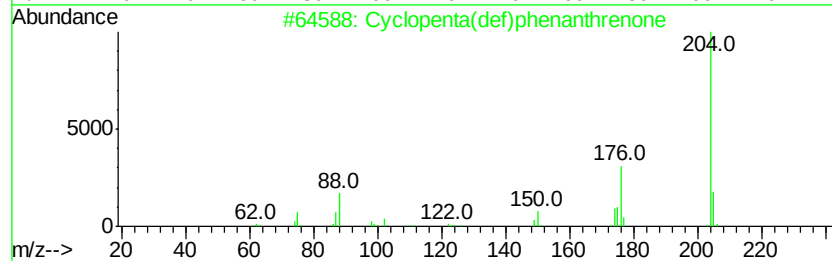
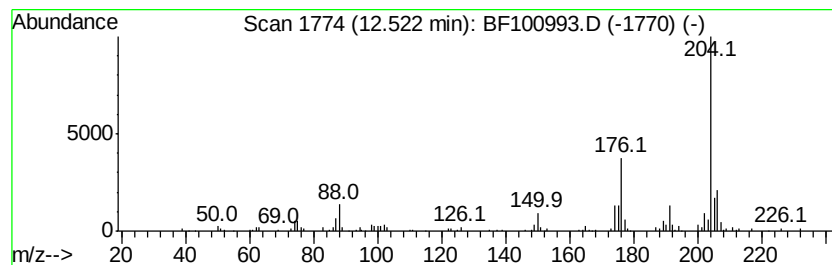
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	10.58 ng	197064	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

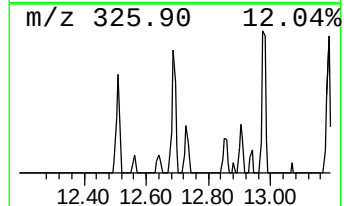
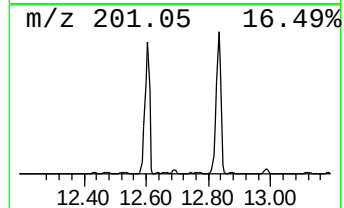
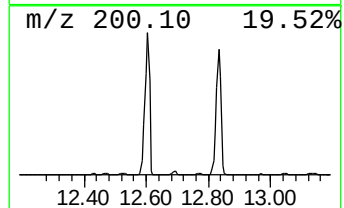
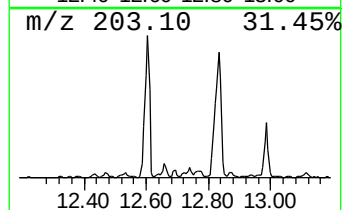
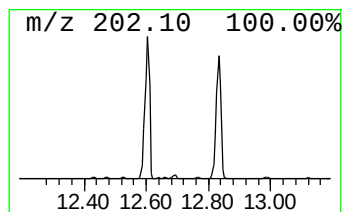
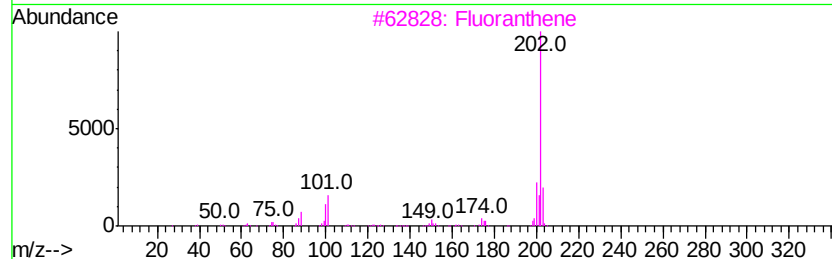
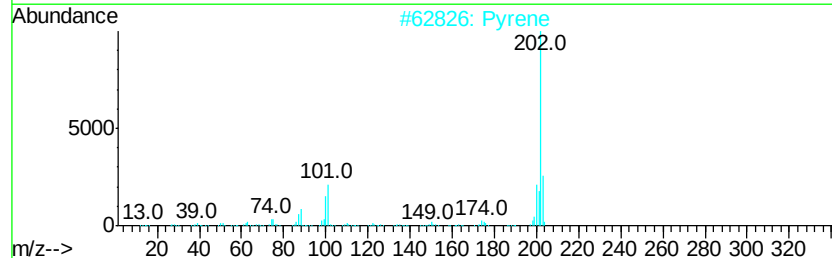
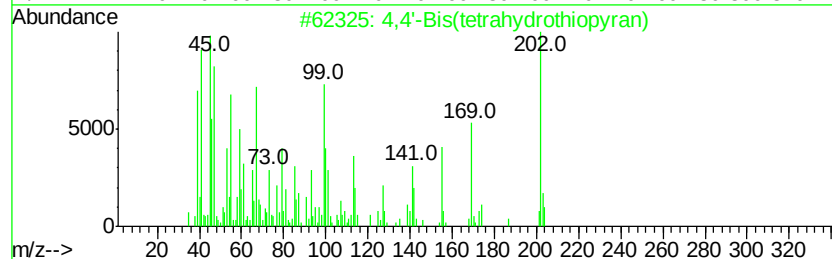
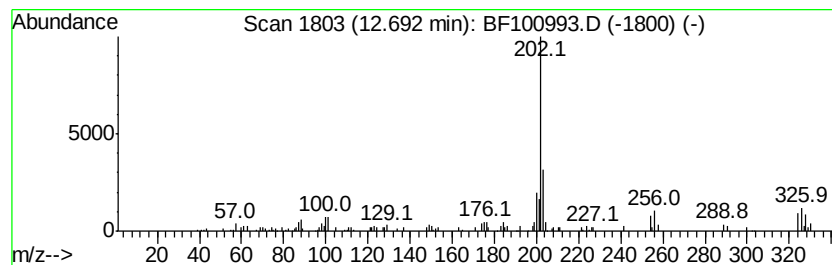
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	5.77 ng	107555	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	83
2			Pyrene	202	C16H10	000129-00-0	50
3			Fluoranthene	202	C16H10	000206-44-0	46
4			Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	46
5			1H-Indole-3-propanoic acid, 1-(t...	275	C15H21NO2Si	056196-72-6	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

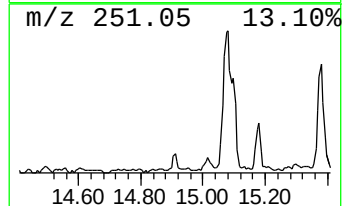
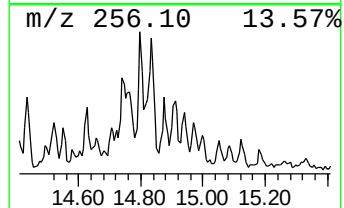
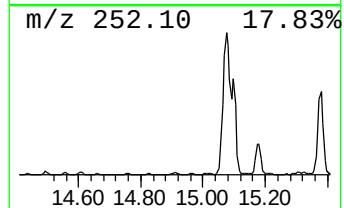
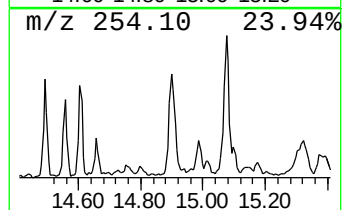
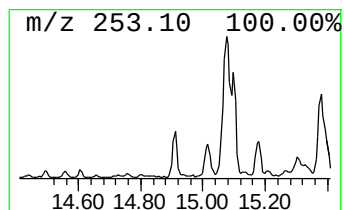
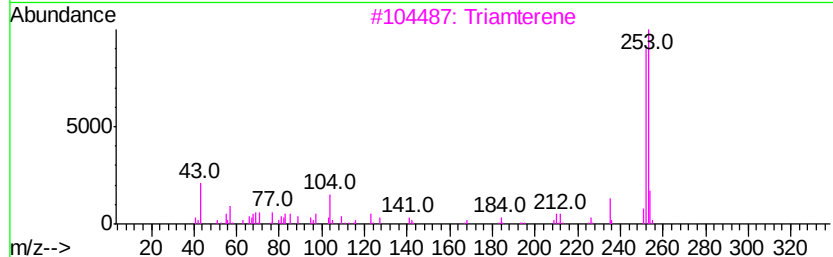
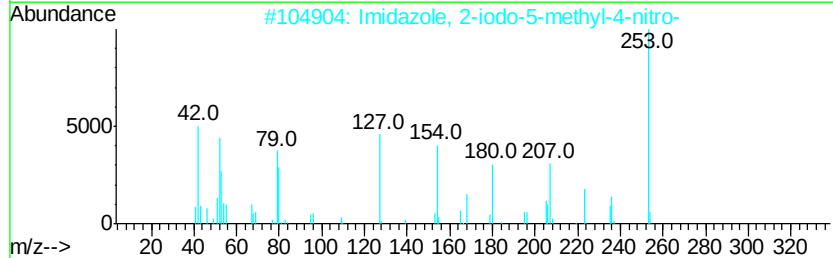
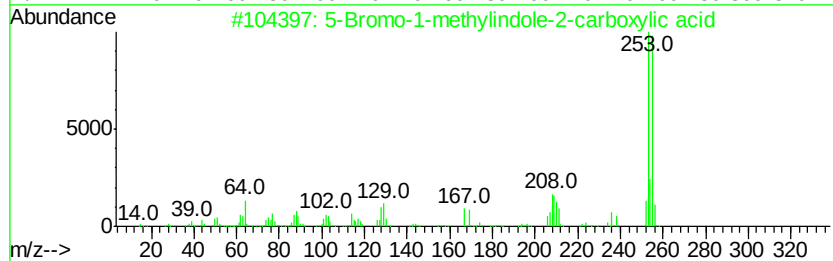
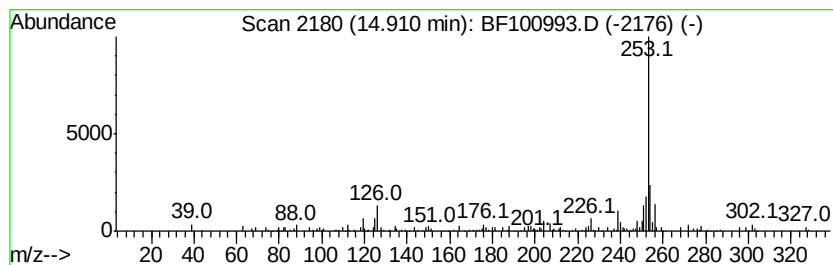
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 5-Bromo-1-methylindole-2-ca... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	9.23 ng	131554	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrNO2	090766-47-5	58
2		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	50
3		Triamterene	253	C12H11N7	000396-01-0	50
4		1,2-Dihydrobenzo[blfluoranthene	254	C20H14	100516-13-0	42
5		8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

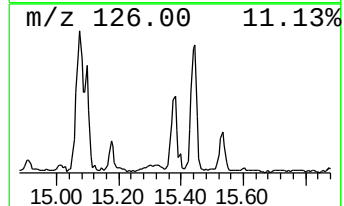
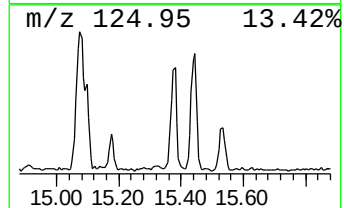
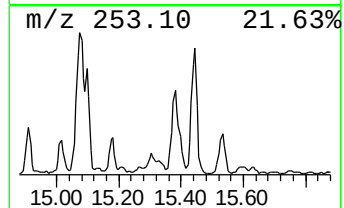
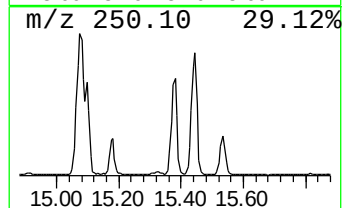
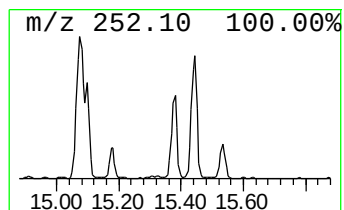
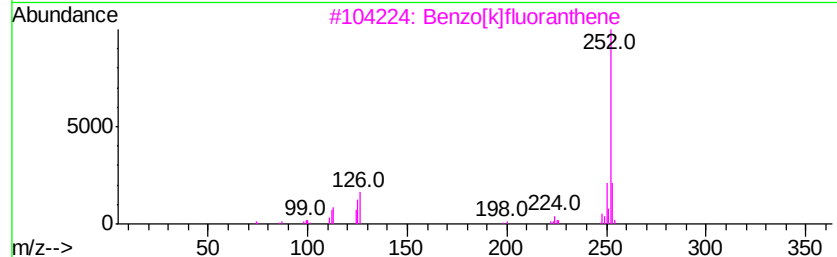
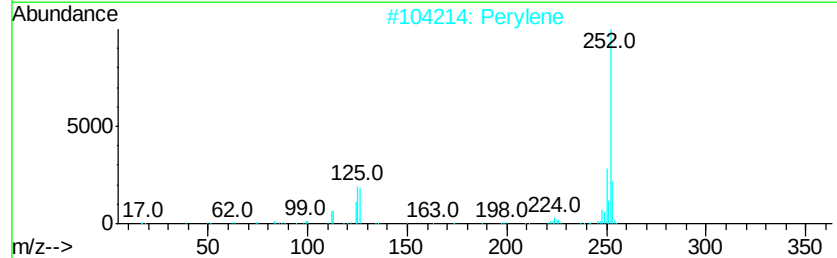
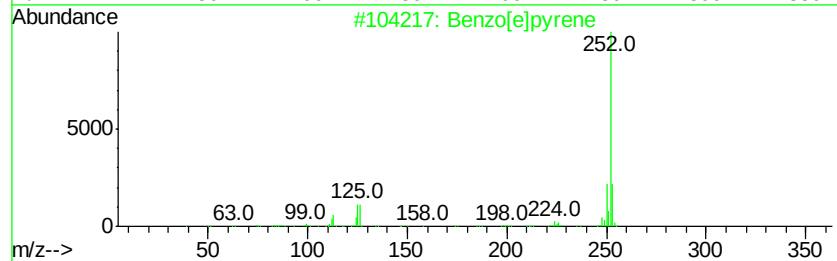
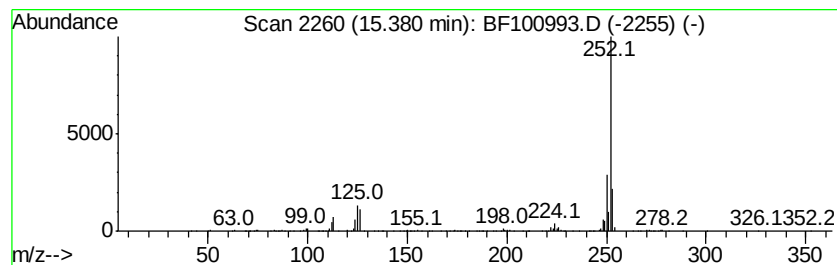
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	36.10 ng	514522	Perylene-d12	15.50

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	96
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

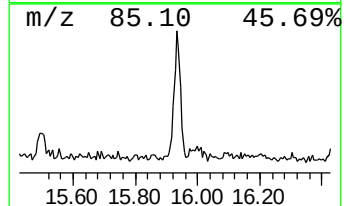
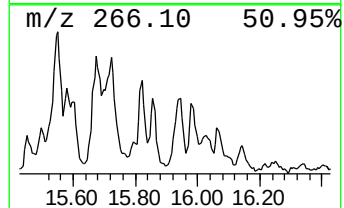
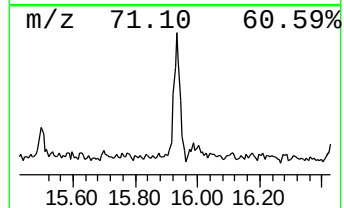
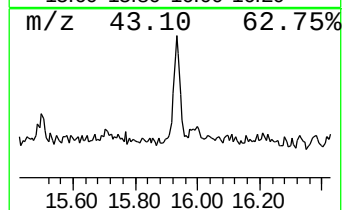
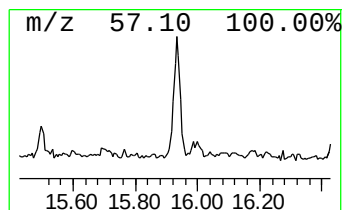
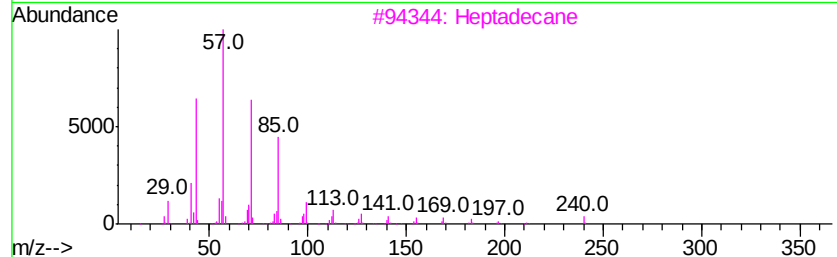
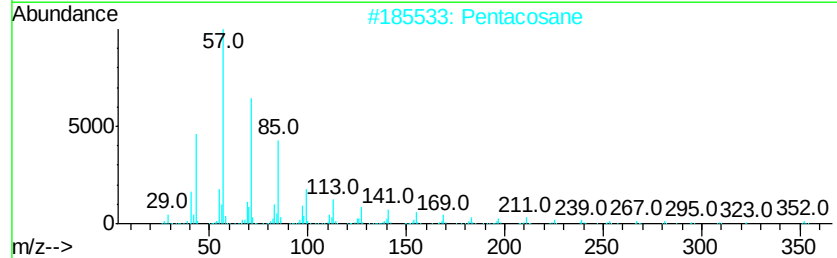
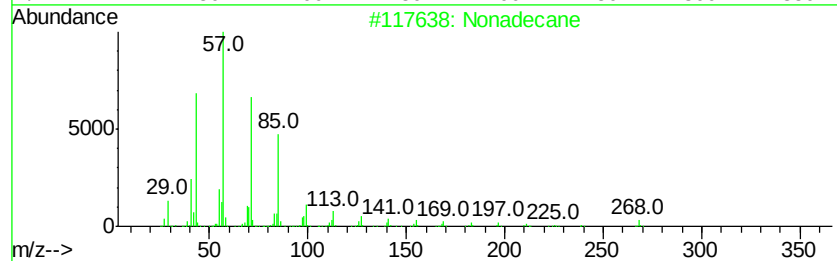
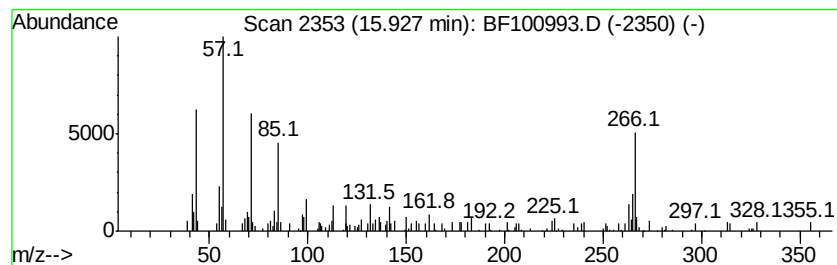
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.93	8.68 ng	123665	Perylene-d12		15.50
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	89
2	Pentacosane	352	C25H52	000629-99-2	46
3	Heptadecane	240	C17H36	000629-78-7	41
4	Octane, 2-methyl-	128	C9H20	003221-61-2	41
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100993.D
Acq On : 29 Nov 2017 22:05
Operator : SJ/JU
Sample : I6610-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

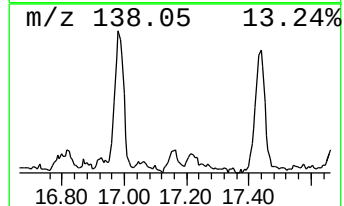
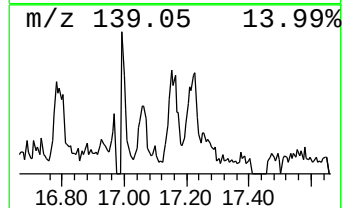
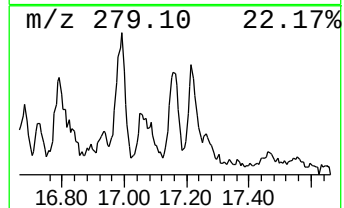
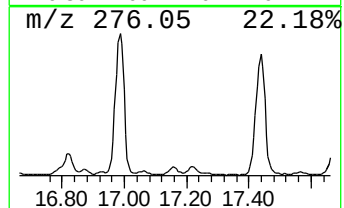
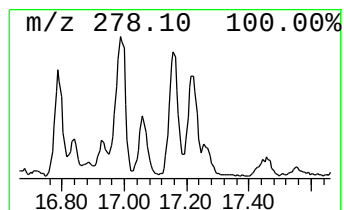
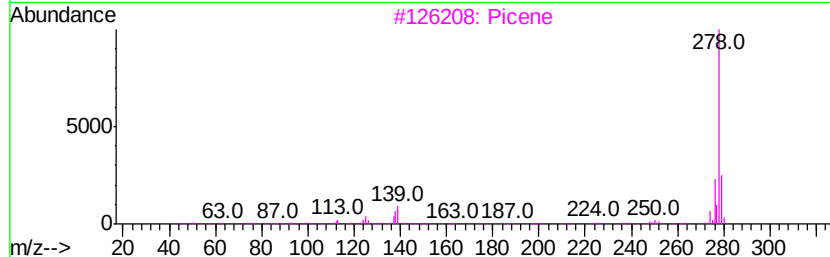
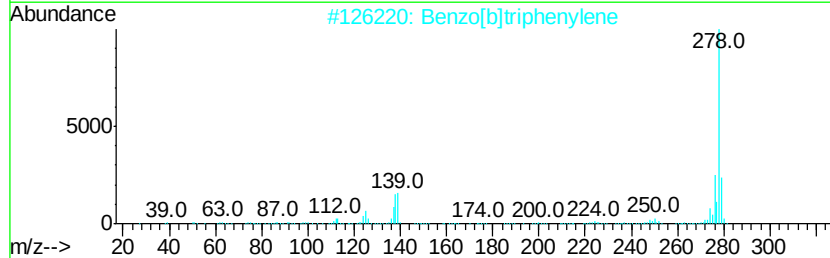
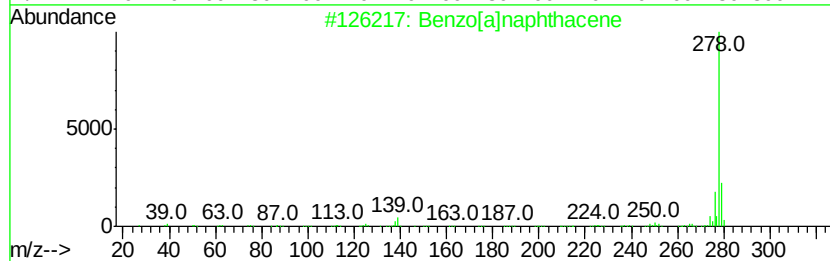
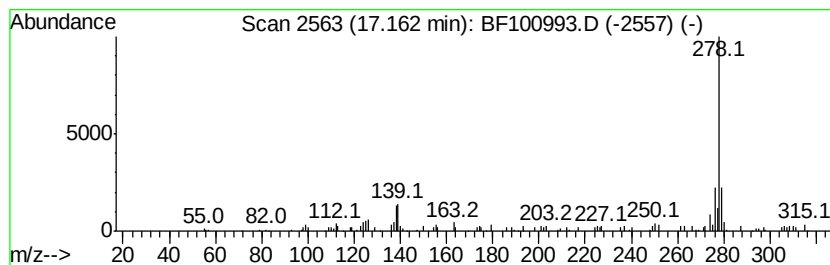
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[a]naphthacene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	5.60 ng	79809	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]naphthacene	278	C22H14	000226-88-0	72
2			Benzo[b]triphenylene	278	C22H14	000215-58-7	70
3			Picene	278	C22H14	000213-46-7	70
4			Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	68
5			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
 Data File : BF100993.D
 Acq On : 29 Nov 2017 22:05
 Operator : SJ/JU
 Sample : I6610-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
2-Pentanone, 4-hy...	5.07	5.5	ng	88856	1	6.85	320971	20.0
unknown6.63	6.63	69.6	ng	1116280	1	6.85	320971	20.0
Phenanthrene, 2-m...	11.88	14.7	ng	273488	4	11.38	372601	20.0
4H-Cyclopenta[def...	11.99	24.1	ng	449475	4	11.38	372601	20.0
1H-Indene, 2-phenyl-	12.02	6.9	ng	128317	4	11.38	372601	20.0
Naphthalene, 2-ph...	12.17	8.4	ng	156695	4	11.38	372601	20.0
9,10-Anthracenedione	12.20	8.1	ng	151466	4	11.38	372601	20.0
Anthracene, 2-ethyl-	12.33	5.5	ng	101793	4	11.38	372601	20.0
Phenanthrene, 2,5...	12.43	10.8	ng	200624	4	11.38	372601	20.0
unknown12.47	12.47	6.9	ng	128965	4	11.38	372601	20.0
Cyclopenta(def)ph...	12.52	10.6	ng	197064	4	11.38	372601	20.0
4,4'-Bis(tetrahyd...	12.69	5.8	ng	107555	4	11.38	372601	20.0
5-Bromo-1-methyli...	14.91	9.2	ng	131554	6	15.50	285078	20.0
Benzo[e]pyrene	15.38	36.1	ng	514522	6	15.50	285078	20.0
Nonadecane	15.93	8.7	ng	123665	6	15.50	285078	20.0
Benzo[a]naphthacene	17.16	5.6	ng	79809	6	15.50	285078	20.0