

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094783.D
 Acq On : 2 May 2017 7:18
 Operator : SJ/MA
 Sample : I2892-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWS-S(4.5-5)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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	3.937	335	340	355	rBV	524298	719171	23.68%	1.364%
2	4.331	402	407	421	rBV	2688552	2979866	98.11%	5.651%
3	5.401	584	589	600	rBV	2626819	3005303	98.95%	5.699%
4	5.519	605	609	613	rBV	2814191	3037311	100.00%	5.760%
5	5.760	647	650	654	rBV	579426	558236	18.38%	1.059%
6	5.943	676	681	684	rBV	2507931	2244789	73.91%	4.257%
7	6.419	756	762	765	rBV	1788252	1873222	61.67%	3.552%
8	7.254	898	904	911	rBV	815335	781357	25.73%	1.482%
9	7.813	994	999	1005	rVB	77625	94732	3.12%	0.180%
10	7.931	1012	1019	1022	rBV5	33039	48750	1.61%	0.092%
11	8.125	1048	1052	1057	rVB4	33072	57216	1.88%	0.109%
12	8.548	1121	1124	1125	rBV	85409	71812	2.36%	0.136%
13	8.578	1125	1129	1132	rVB	2945594	2788527	91.81%	5.288%
14	8.719	1150	1153	1157	rBV2	37975	54356	1.79%	0.103%
15	9.036	1204	1207	1209	rVV	49344	49300	1.62%	0.093%
16	9.078	1211	1214	1218	rVV	529512	568418	18.71%	1.078%
17	9.113	1218	1220	1229	rVB3	105566	130747	4.30%	0.248%
18	9.219	1234	1238	1244	rBV2	51108	84832	2.79%	0.161%
19	9.284	1244	1249	1252	rVB5	42469	68001	2.24%	0.129%
20	9.389	1260	1267	1271	rBV2	728210	836238	27.53%	1.586%
21	9.425	1271	1273	1280	rVB	166940	199746	6.58%	0.379%
22	9.648	1307	1311	1316	rBV2	70382	94058	3.10%	0.178%
23	9.983	1366	1368	1374	rBV	105673	93444	3.08%	0.177%
24	10.066	1379	1382	1387	rVB	145557	147841	4.87%	0.280%
25	10.260	1411	1415	1419	rVB2	112653	139026	4.58%	0.264%
26	10.372	1429	1434	1441	rBV	1345616	1491141	49.09%	2.828%
27	10.572	1464	1468	1469	rBV	114282	124865	4.11%	0.237%
28	10.589	1469	1471	1475	rVB	150336	152681	5.03%	0.290%
29	10.848	1512	1515	1518	rVB2	52323	57903	1.91%	0.110%
30	11.048	1546	1549	1552	rVB2	43265	50995	1.68%	0.097%
31	11.083	1552	1555	1558	rBV	77165	83554	2.75%	0.158%
32	11.125	1558	1562	1565	rVV	96296	95860	3.16%	0.182%
33	11.160	1565	1568	1573	rVB	123782	130468	4.30%	0.247%
34	11.213	1573	1577	1579	rBV	570677	576260	18.97%	1.093%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
 Data File : BF094783.D
 Acq On : 2 May 2017 7:18
 Operator : SJ/MA
 Sample : I2892-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWS-S(4.5-5)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.242	1579	1582	1586	rVV	1380301	1434301	47.22%	2.720%
36	11.307	1589	1593	1598	rVV	489172	476718	15.70%	0.904%
37	11.366	1599	1603	1607	rVB2	43141	63623	2.09%	0.121%
38	11.519	1626	1629	1632	rBV	87237	85790	2.82%	0.163%
39	11.589	1638	1641	1645	rBV	61818	73527	2.42%	0.139%
40	11.648	1648	1651	1654	rVB3	62165	61557	2.03%	0.117%
41	11.836	1680	1683	1686	rBV	189373	197072	6.49%	0.374%
42	11.872	1686	1689	1695	rVV	259083	274286	9.03%	0.520%
43	11.930	1695	1699	1701	rVV	122390	133730	4.40%	0.254%
44	11.966	1702	1705	1709	rVV	376990	488453	16.08%	0.926%
45	12.001	1709	1711	1716	rVB2	134749	140506	4.63%	0.266%
46	12.207	1743	1746	1749	rBV	150373	149163	4.91%	0.283%
47	12.242	1749	1752	1759	rVB3	77015	122208	4.02%	0.232%
48	12.395	1774	1778	1781	rBV3	38883	52064	1.71%	0.099%
49	12.430	1781	1784	1787	rBV	48470	51826	1.71%	0.098%
50	12.519	1794	1799	1802	rBV2	112367	148658	4.89%	0.282%
51	12.560	1802	1806	1809	rVV3	67380	88778	2.92%	0.168%
52	12.624	1814	1817	1824	rVB2	116272	170296	5.61%	0.323%
53	12.713	1827	1832	1836	rBV	2568485	3017242	99.34%	5.722%
54	12.789	1841	1845	1849	rBV2	62065	90775	2.99%	0.172%
55	12.889	1858	1862	1865	rBV	121338	149034	4.91%	0.283%
56	12.989	1873	1879	1882	rVV2	2215721	2980686	98.14%	5.653%
57	13.024	1882	1885	1888	rVV3	63600	89447	2.94%	0.170%
58	13.054	1888	1890	1893	rVB	84509	71458	2.35%	0.136%
59	13.142	1902	1905	1908	rBV	143559	139422	4.59%	0.264%
60	13.195	1908	1914	1917	rBV	1827850	2065062	67.99%	3.916%
61	13.248	1920	1923	1924	rBV	58095	64480	2.12%	0.122%
62	13.271	1924	1927	1931	rVB2	137663	188604	6.21%	0.358%
63	13.307	1931	1933	1937	rVB	68939	59963	1.97%	0.114%
64	13.377	1938	1945	1946	rBV3	118514	200342	6.60%	0.380%
65	13.401	1946	1949	1953	rVB	415418	436518	14.37%	0.828%
66	13.483	1959	1963	1966	rVB2	318601	315608	10.39%	0.599%
67	13.524	1966	1970	1976	rBV3	256843	383203	12.62%	0.727%
68	13.636	1986	1989	1992	rVB	120294	117921	3.88%	0.224%
69	13.671	1992	1995	1999	rBV	112408	137069	4.51%	0.260%
70	14.001	2048	2051	2053	rBV	55089	61149	2.01%	0.116%
71	14.030	2053	2056	2062	rVB	132944	161060	5.30%	0.305%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.160	2074	2078	2081	rBV2	216127	295028	9.71%	0.559%
73	14.189	2081	2083	2086	rVV	214596	253108	8.33%	0.480%
74	14.218	2086	2088	2090	rVV	216404	211860	6.98%	0.402%
75	14.242	2090	2092	2097	rVB2	154777	205715	6.77%	0.390%
76	14.289	2097	2100	2105	rBV	174244	184412	6.07%	0.350%
77	14.366	2111	2113	2116	rVB	77687	73480	2.42%	0.139%
78	14.466	2122	2130	2133	rBV2	1434383	2338614	77.00%	4.435%
79	14.507	2133	2137	2140	rVB	1343149	1569253	51.67%	2.976%
80	14.595	2148	2152	2155	rBV	345205	339057	11.16%	0.643%
81	14.630	2155	2158	2160	rBV4	46980	54482	1.79%	0.103%
82	14.654	2160	2162	2165	rVB	59085	57725	1.90%	0.109%
83	14.724	2171	2174	2178	rVB2	164036	196764	6.48%	0.373%
84	14.765	2178	2181	2184	rBV	135999	136064	4.48%	0.258%
85	14.907	2202	2205	2208	rBV	116224	138053	4.55%	0.262%
86	14.954	2209	2213	2217	rVV	248101	340438	11.21%	0.646%
87	14.995	2217	2220	2225	rVB2	116803	140338	4.62%	0.266%
88	15.065	2229	2232	2235	rVV2	145639	168438	5.55%	0.319%
89	15.101	2235	2238	2240	rVV4	113449	136386	4.49%	0.259%
90	15.124	2240	2242	2247	rVB3	132210	144539	4.76%	0.274%
91	15.536	2309	2312	2316	rBV2	94495	122172	4.02%	0.232%
92	15.707	2336	2341	2344	rBV	1236859	2076250	68.36%	3.937%
93	15.807	2355	2358	2362	rVB	277149	274784	9.05%	0.521%
94	15.989	2385	2389	2395	rVB	787226	923369	30.40%	1.751%
95	16.048	2395	2399	2404	rVB	1154159	1292102	42.54%	2.450%
96	16.101	2405	2408	2411	rBV	354719	417548	13.75%	0.792%
97	16.130	2411	2413	2417	rVB	379912	334328	11.01%	0.634%
98	17.395	2622	2628	2634	rBV2	472599	808329	26.61%	1.533%
99	17.771	2686	2692	2699	rVB	387367	712011	23.44%	1.350%
100	17.977	2723	2727	2737	rVB	143643	354701	11.68%	0.673%

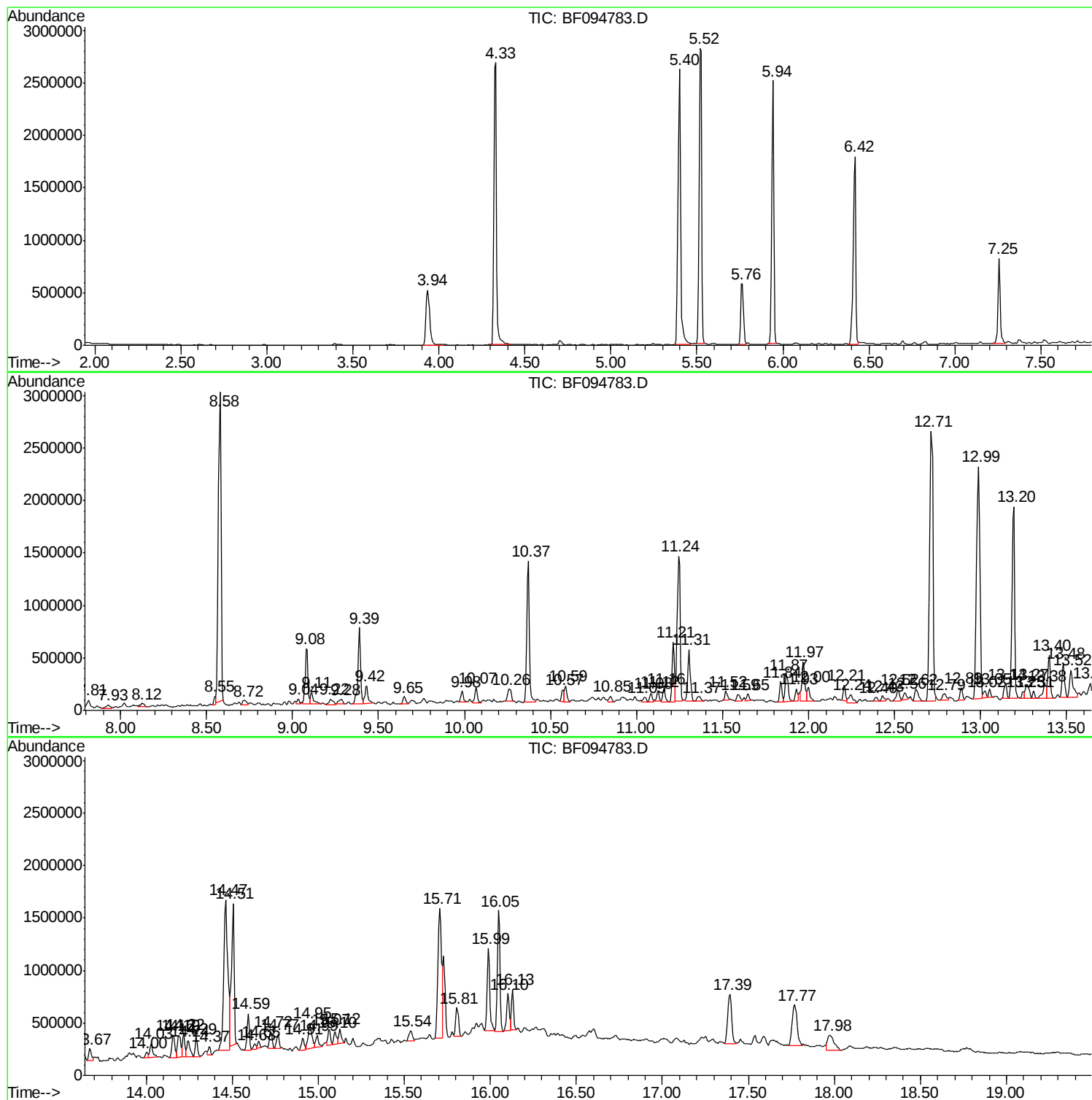
Sum of corrected areas: 52730973

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.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\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

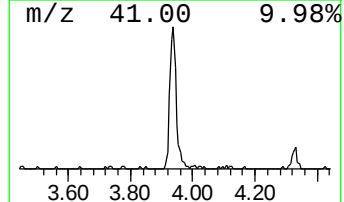
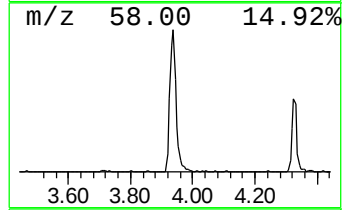
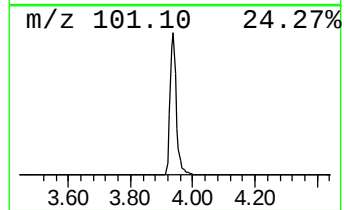
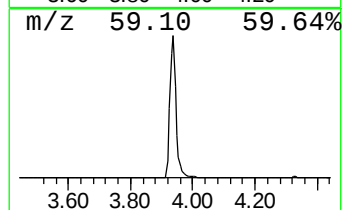
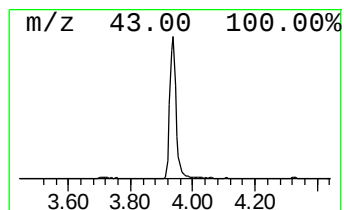
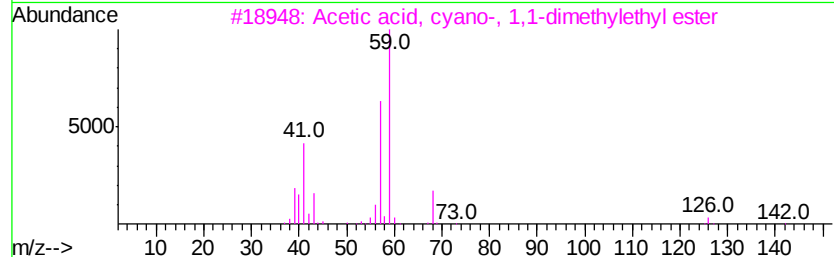
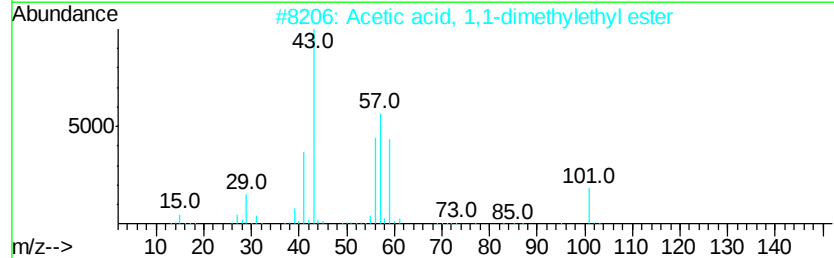
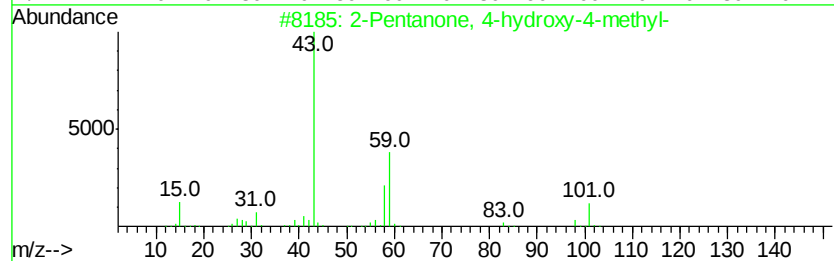
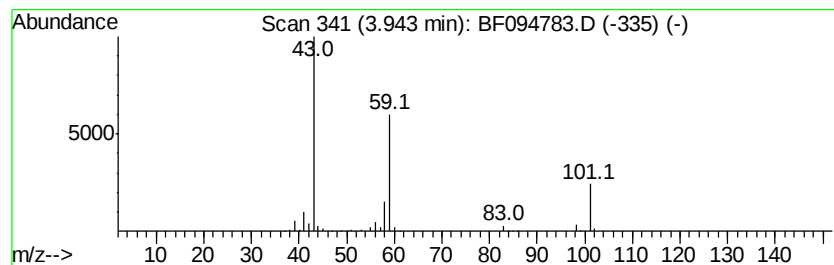
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.94	25.77 ng	719171	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

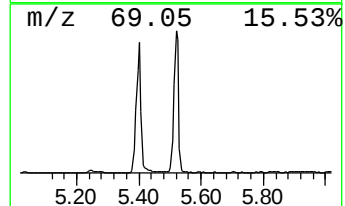
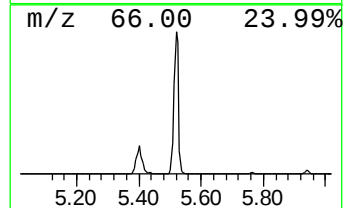
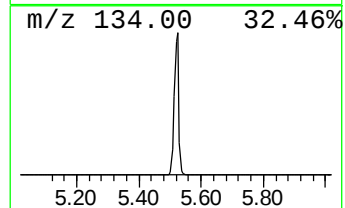
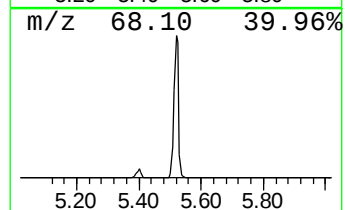
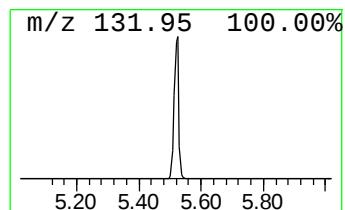
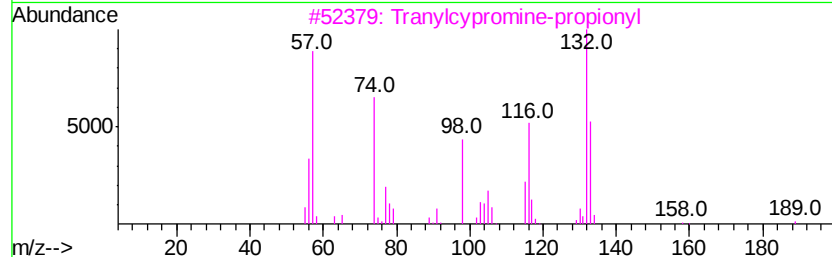
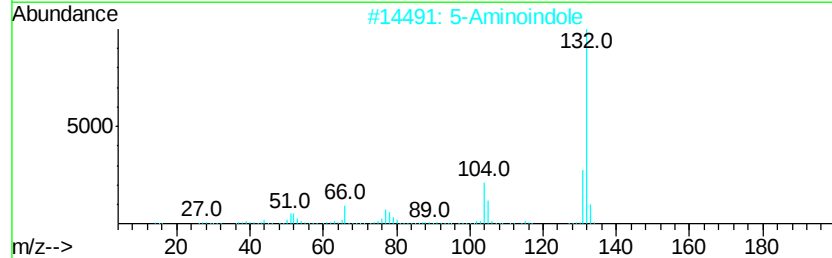
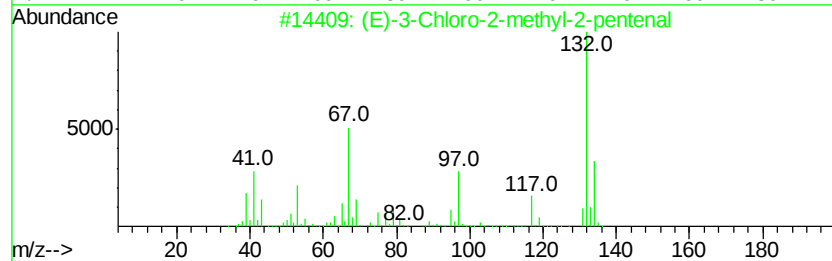
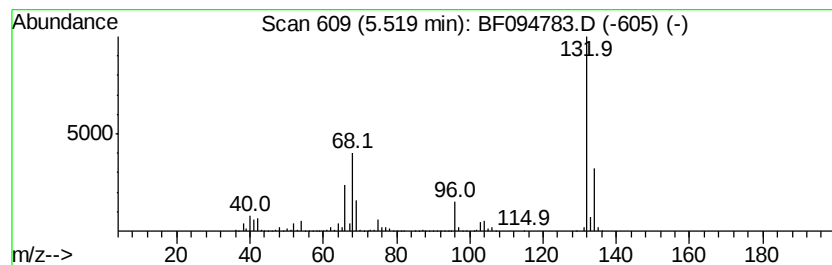
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown5.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	108.82 ng	3037310	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

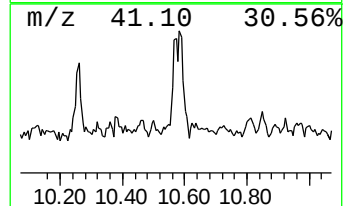
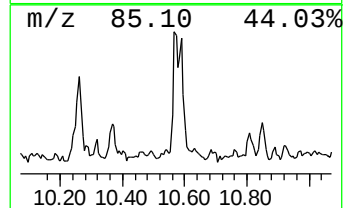
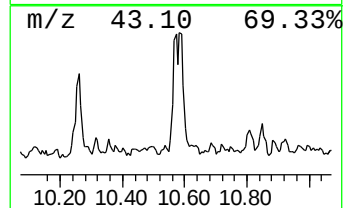
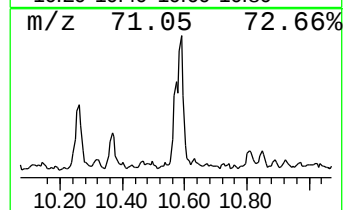
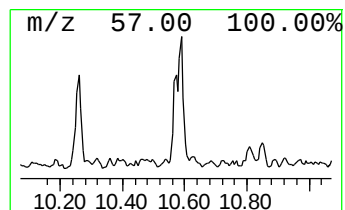
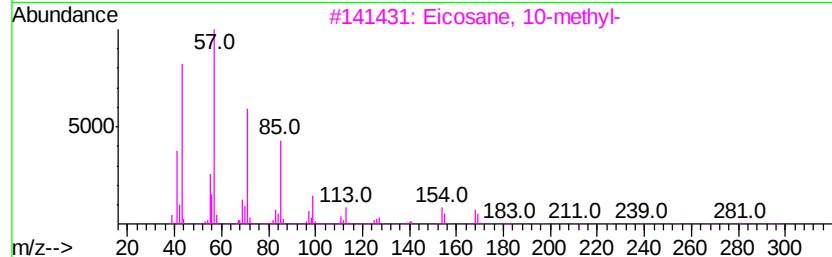
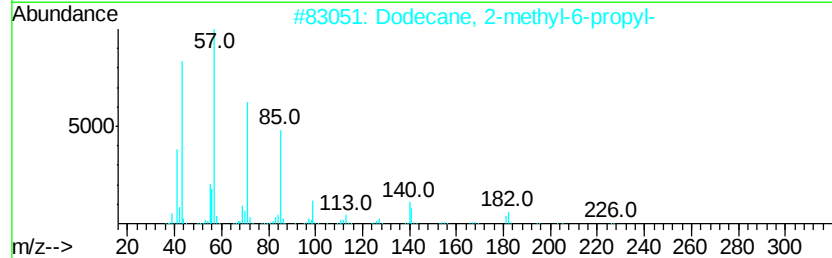
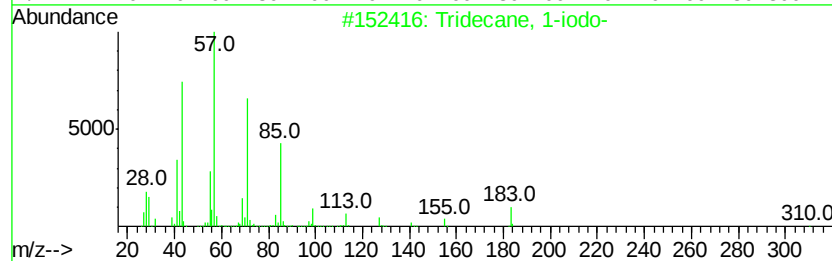
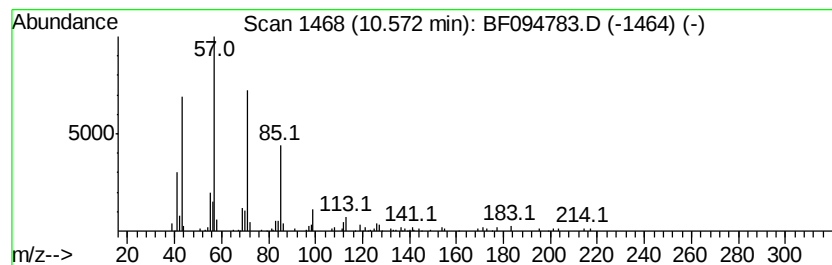
Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tridecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.57	4.33 ng	124865	Phenanthrene-d10	11.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	72
4	Tetradecane	198	C14H30	000629-59-4	64
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

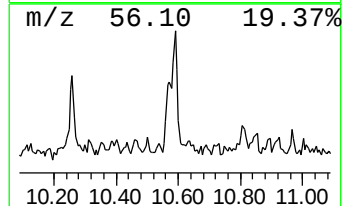
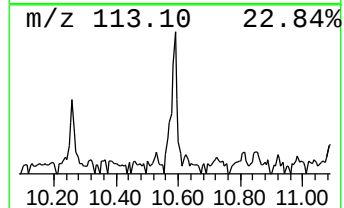
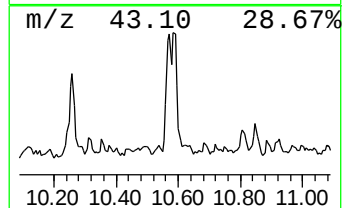
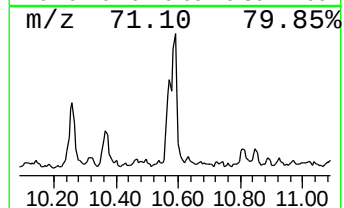
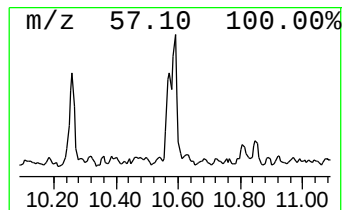
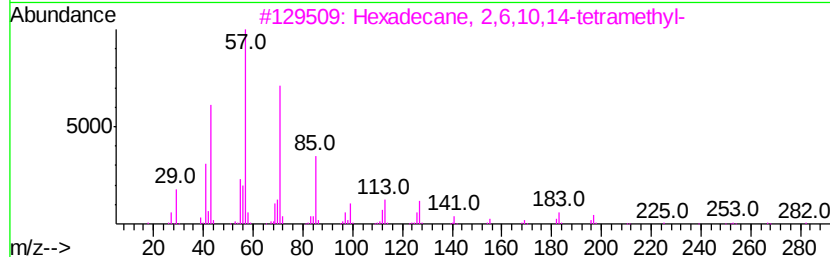
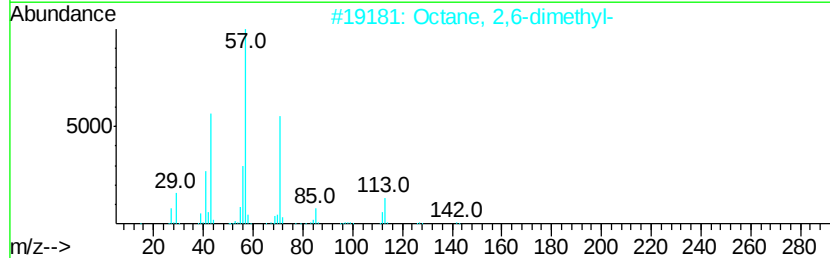
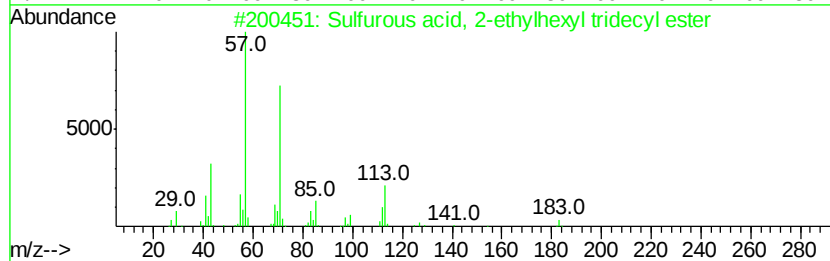
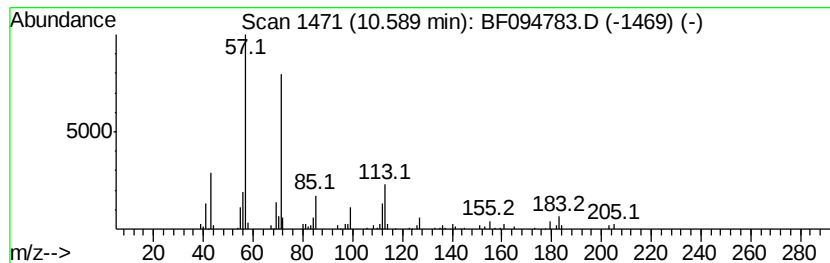
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Sulfurous acid, 2-ethylhexy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	5.30 ng	152681	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	80
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5		Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

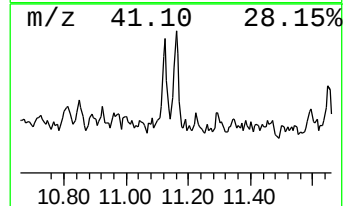
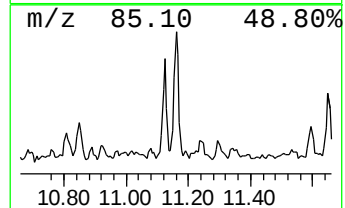
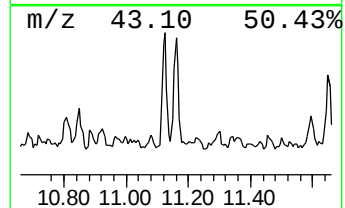
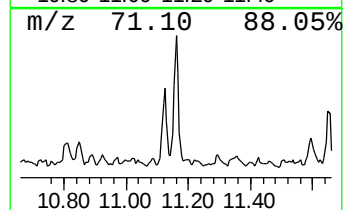
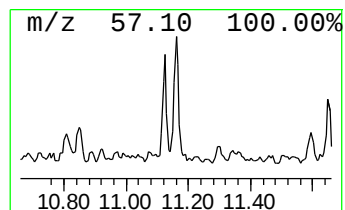
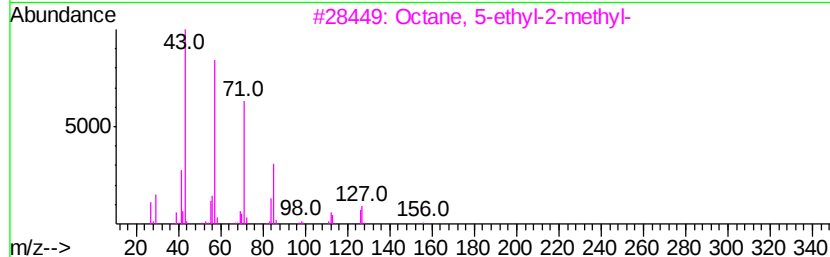
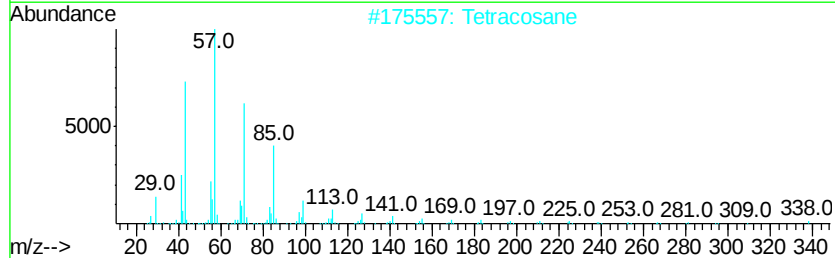
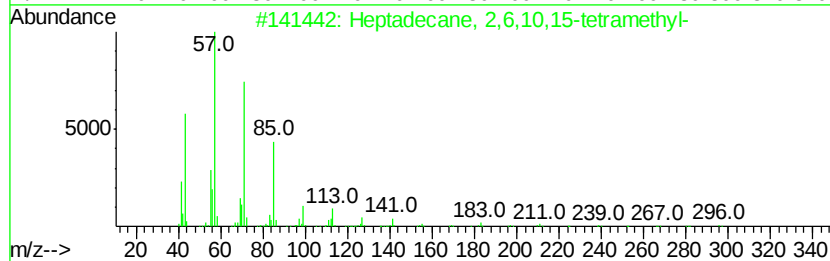
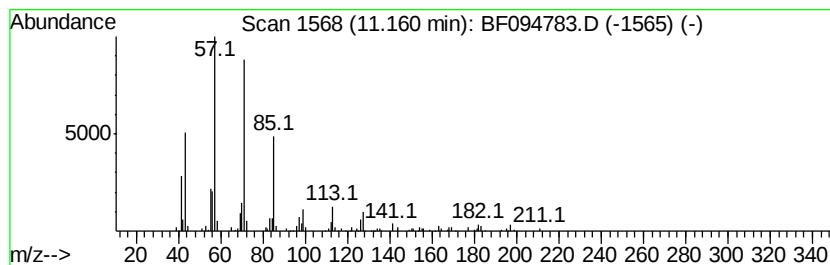
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	4.53 ng	130468	Phenanthrene-d10	11.21

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2		Tetracosane	338	C24H50	000646-31-1	86
3		Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	80
4		Decane, 2-methyl-	156	C11H24	006975-98-0	74
5		2-methyloctacosane	408	C29H60	1000376-72-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

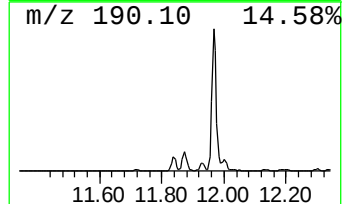
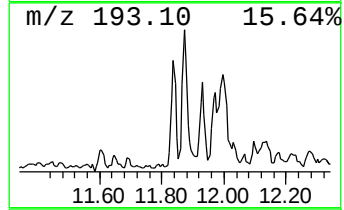
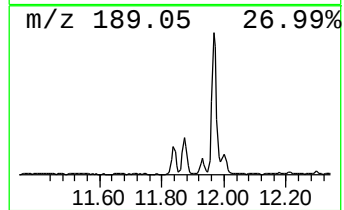
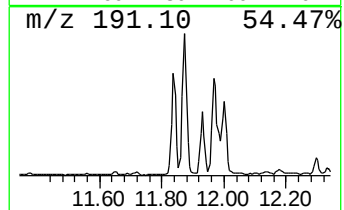
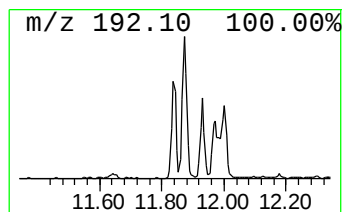
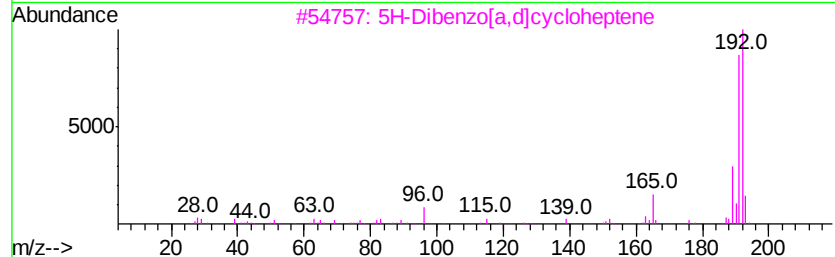
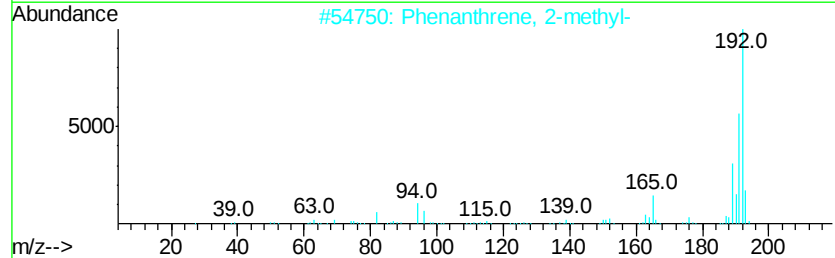
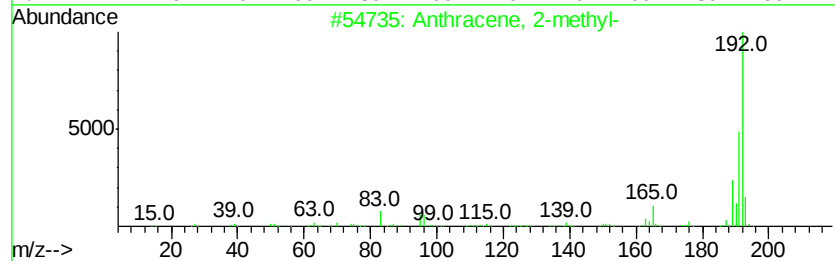
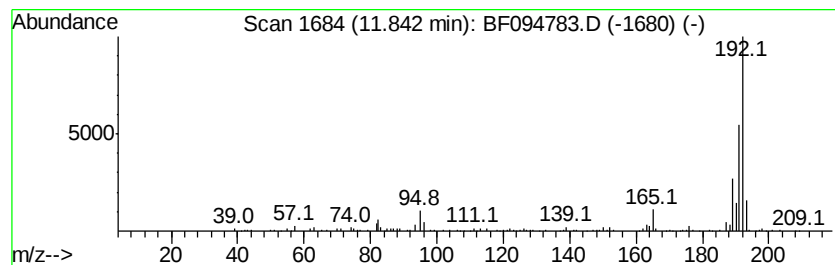
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	6.84 ng	197072	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

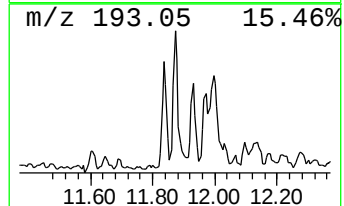
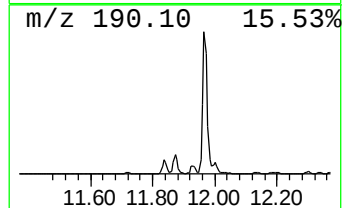
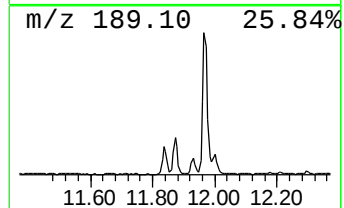
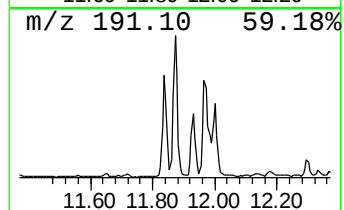
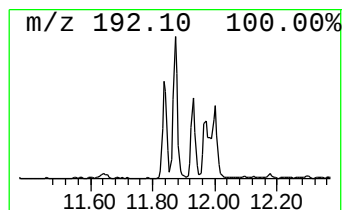
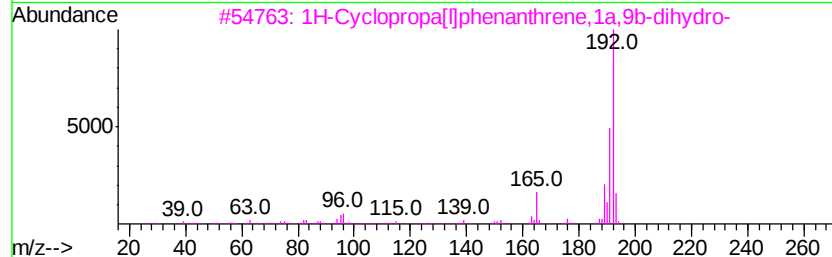
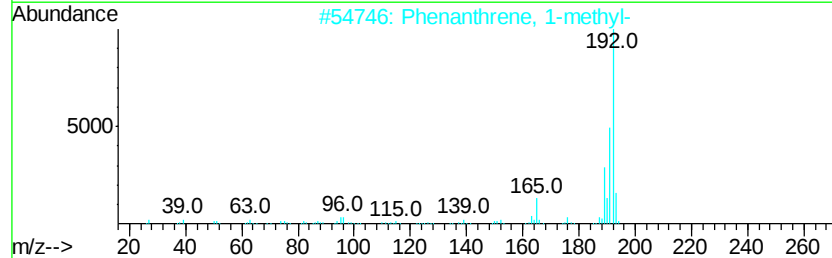
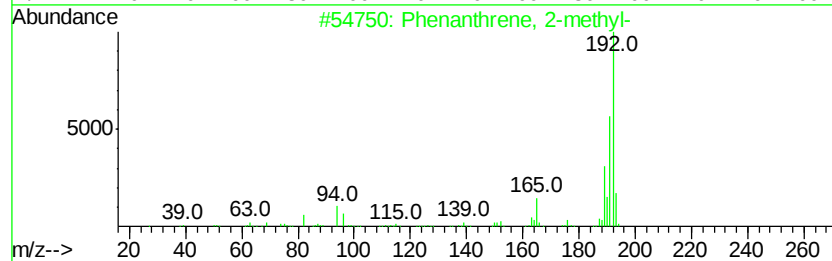
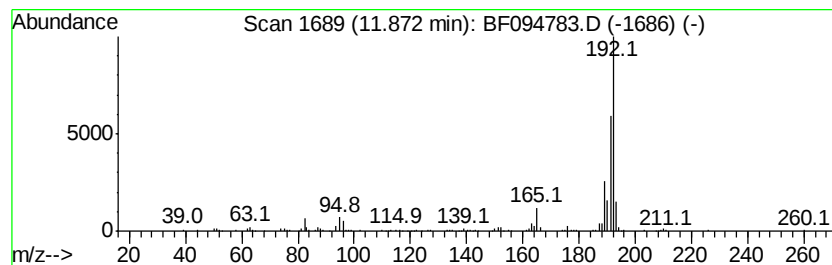
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	9.52 ng	274286	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

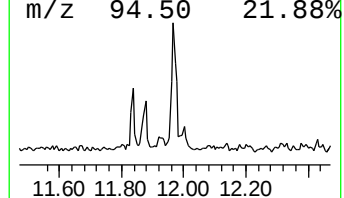
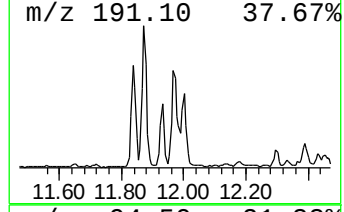
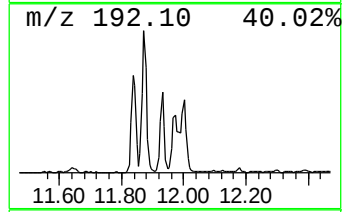
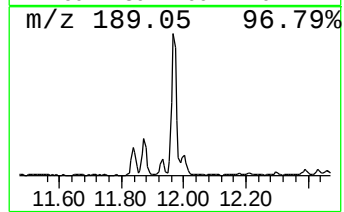
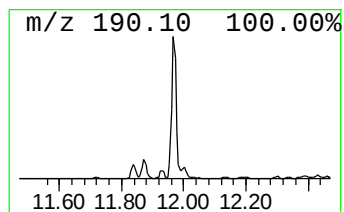
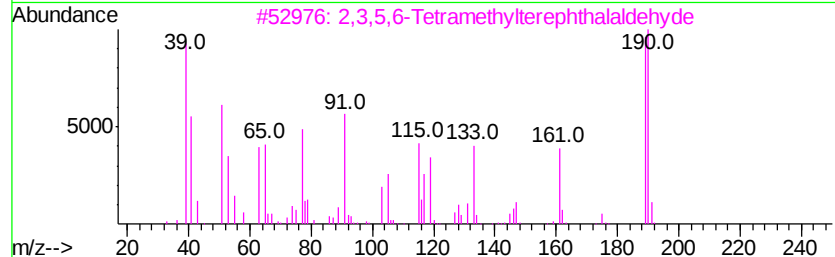
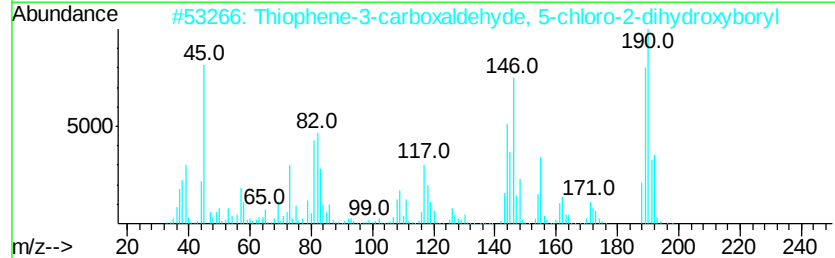
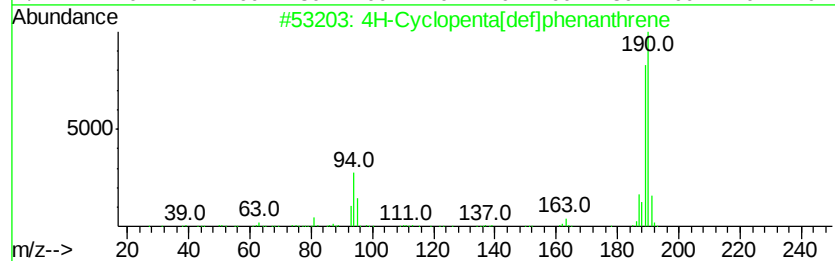
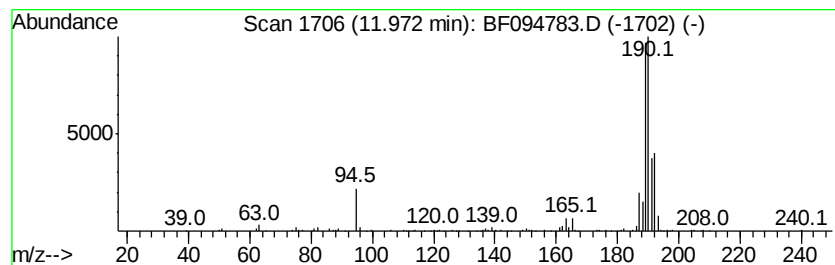
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	16.95 ng	488453	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

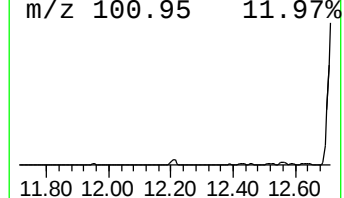
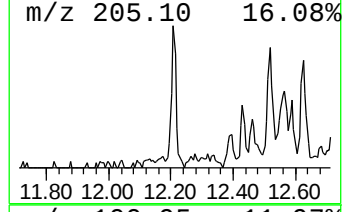
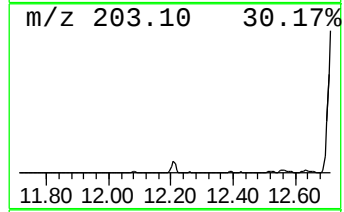
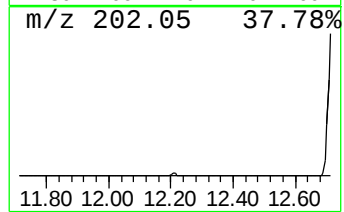
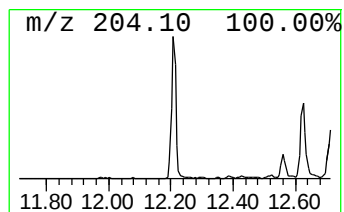
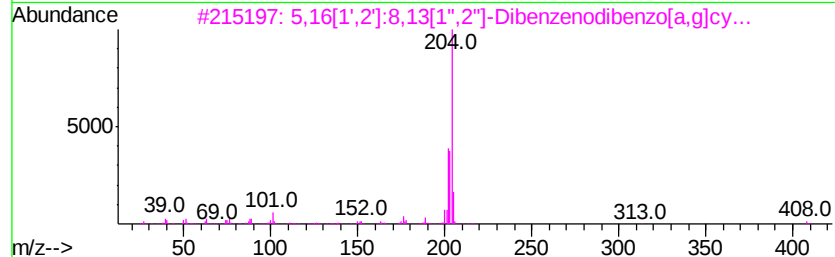
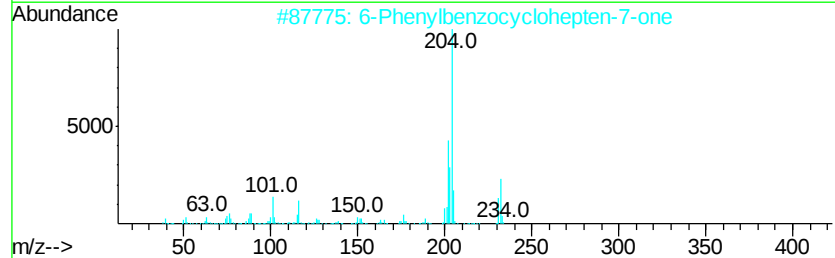
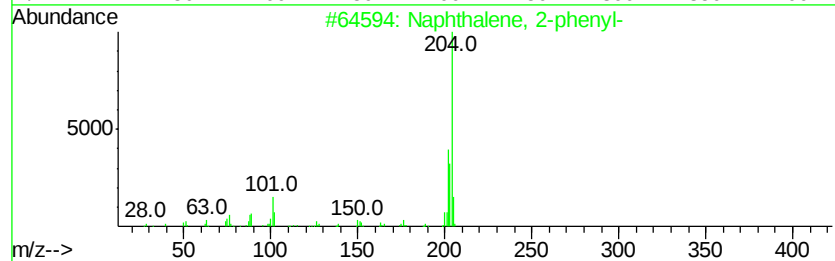
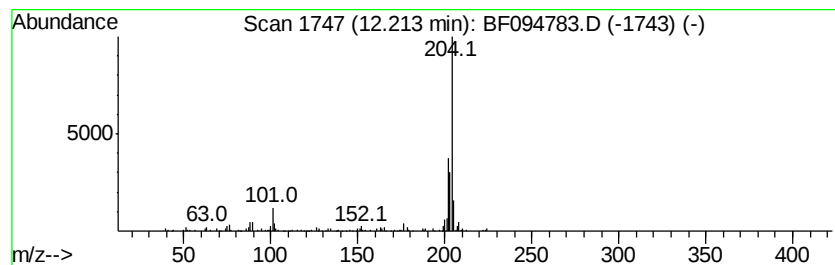
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	5.18 ng	149163	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

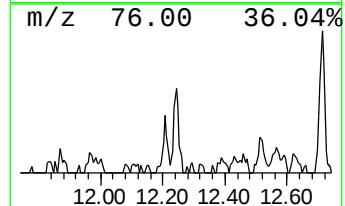
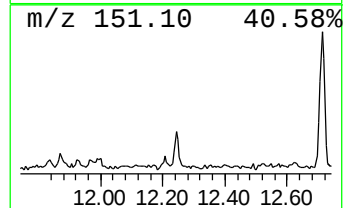
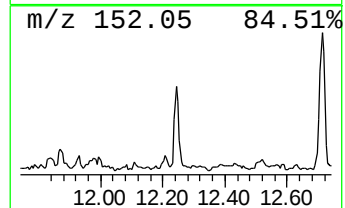
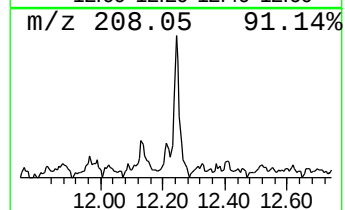
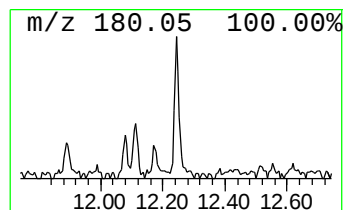
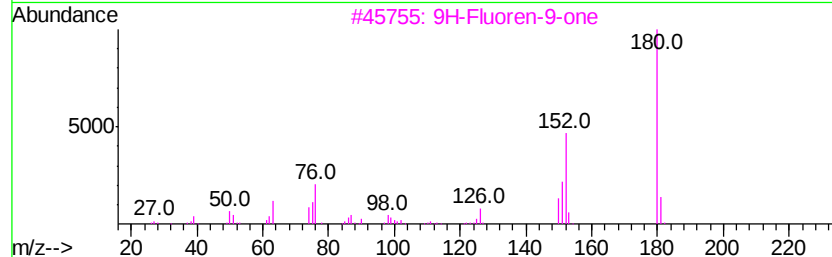
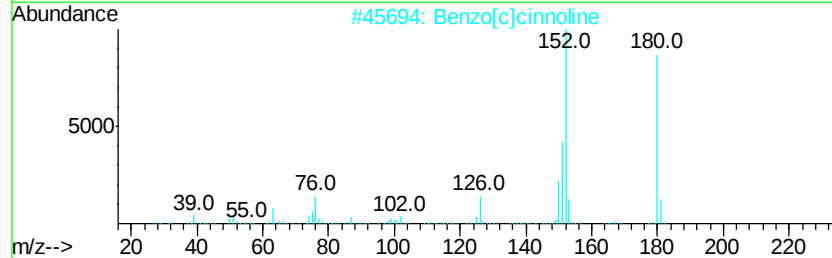
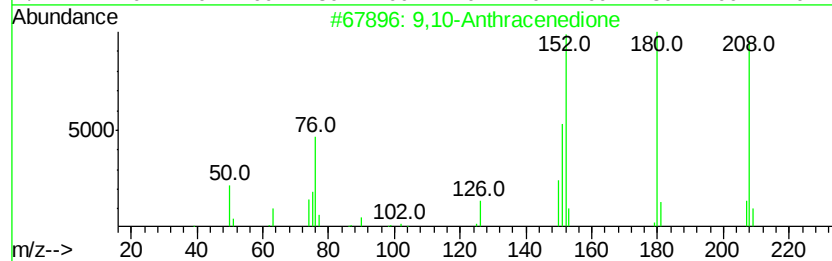
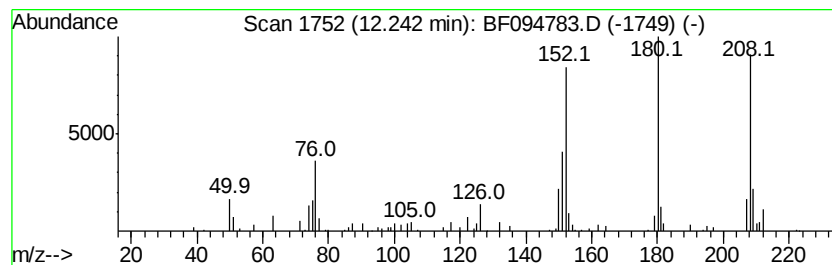
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	4.24 ng	122208	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4		Biphenylene	152	C12H8	000259-79-0	25
5		Acenaphthylene	152	C12H8	000208-96-8	20



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

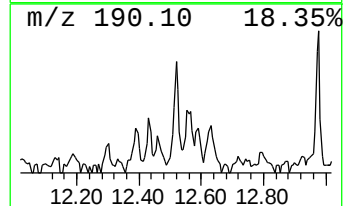
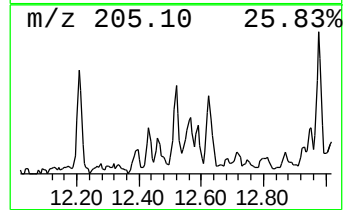
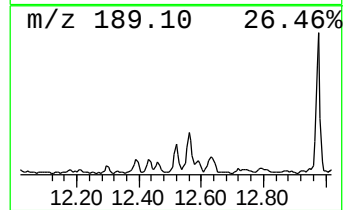
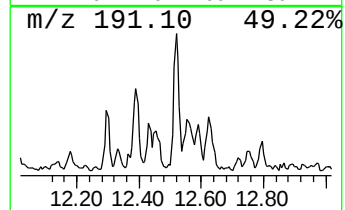
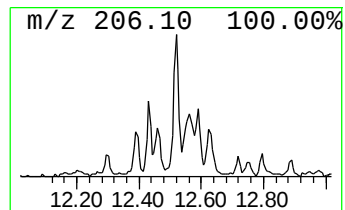
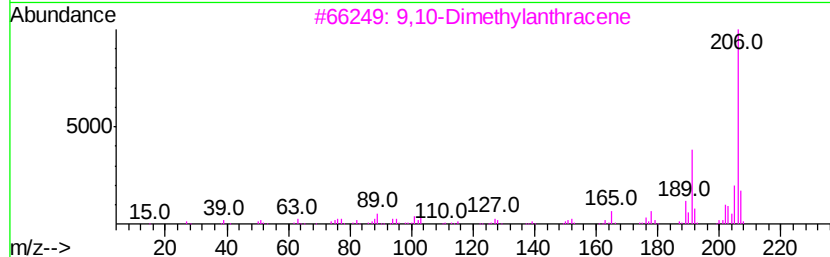
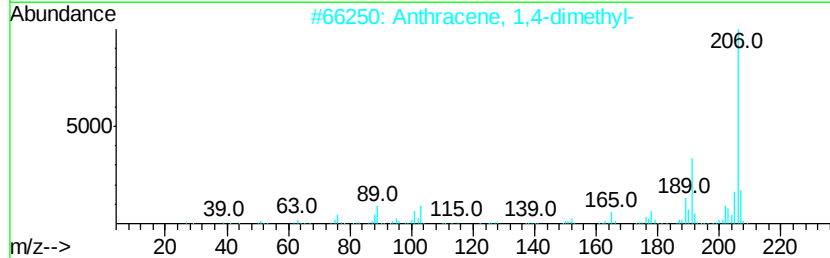
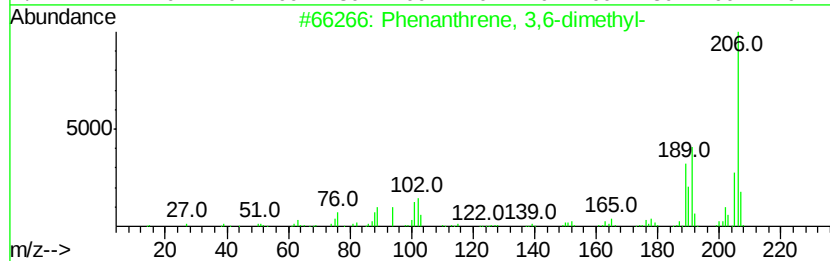
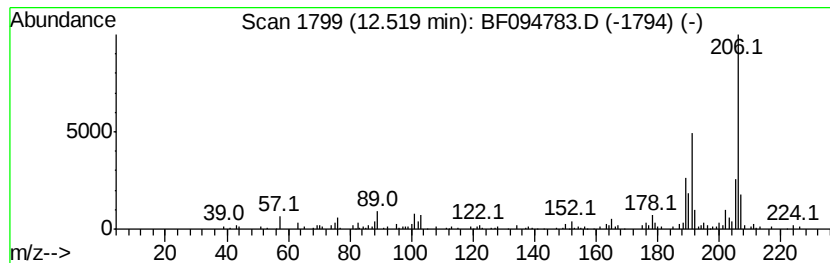
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.16 ng	148658	Phenanthrene-d10	11.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

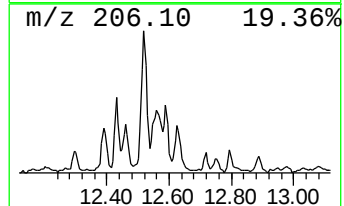
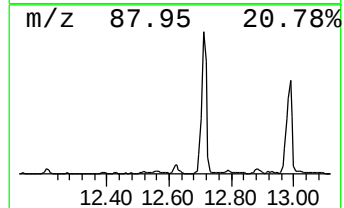
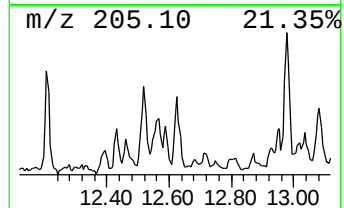
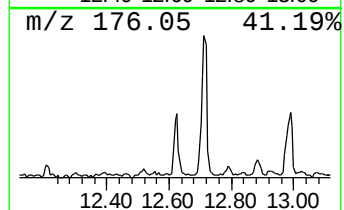
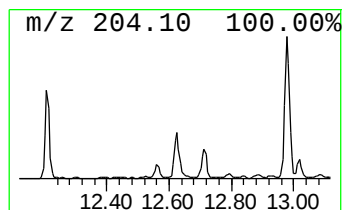
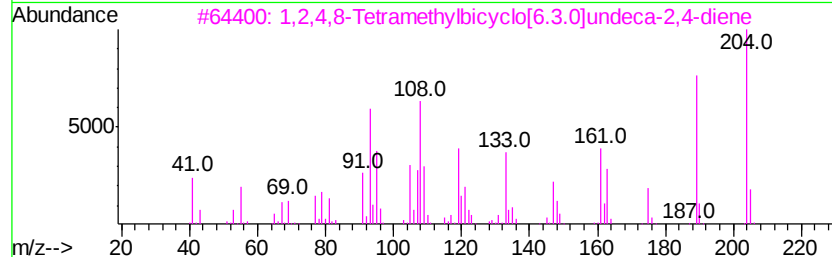
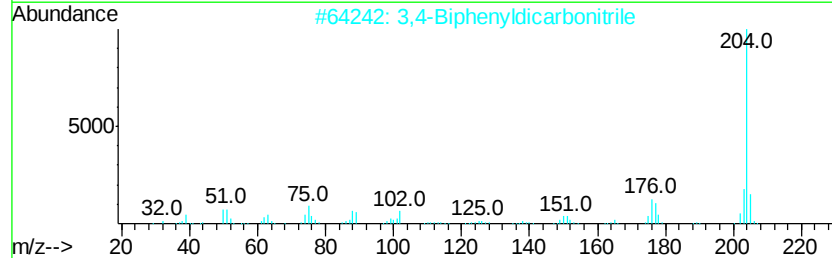
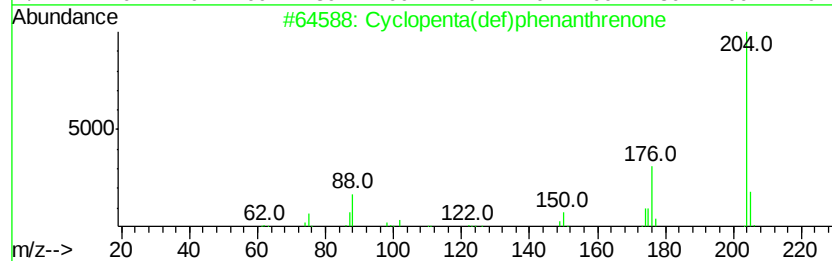
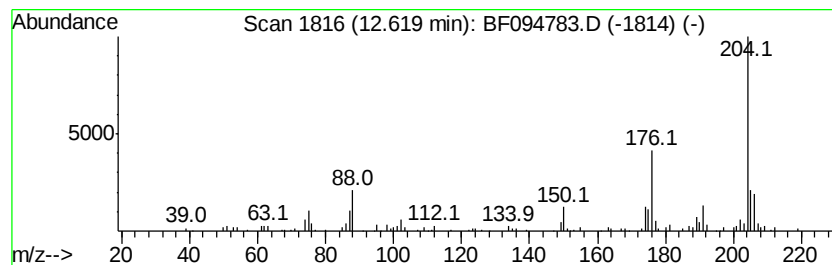
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	5.91 ng	170296	Phenanthrene-d10	11.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3			1,2,4,8-Tetramethylbicvclo[6.3.0...	204	C15H24	137235-51-9	49
4			Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

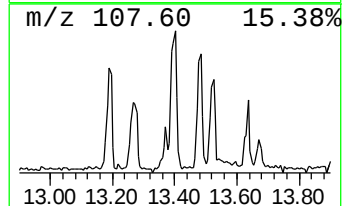
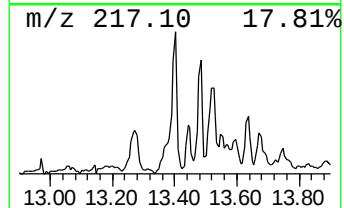
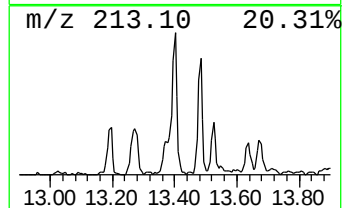
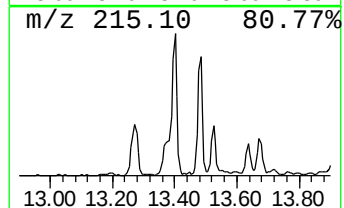
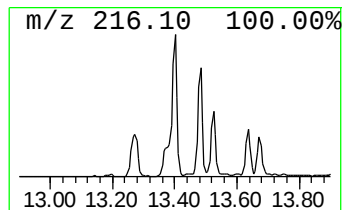
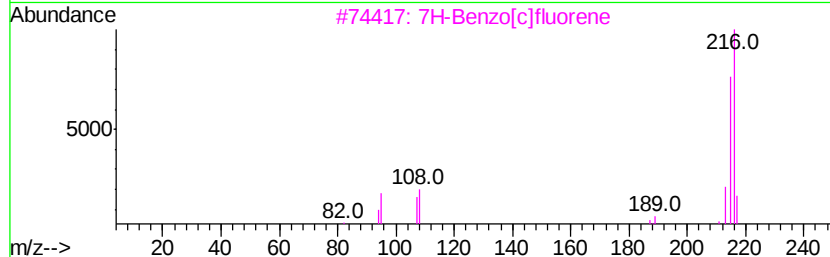
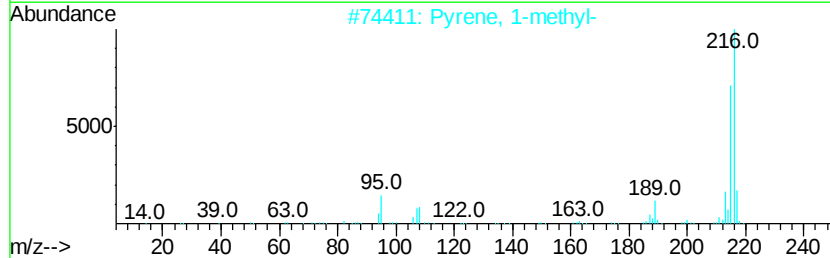
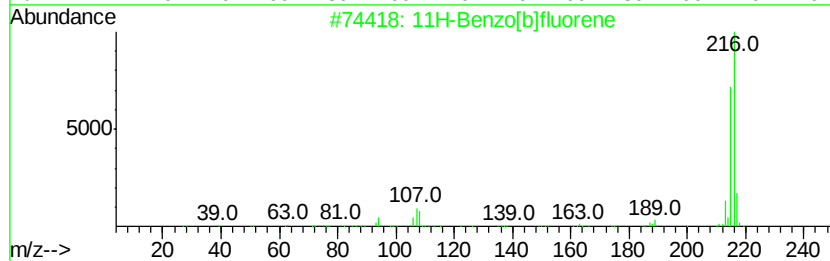
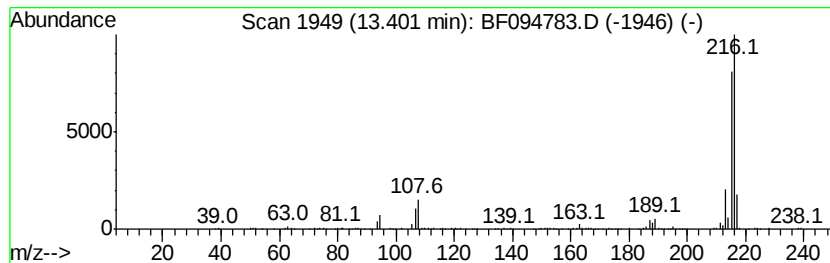
Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.40	3.73 ng	436518	Chrysene-d12	14.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[blfluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	7H-Benzo[clfluorene	216	C17H12	000205-12-9	74
4	11H-Benzo[alfluorene	216	C17H12	000238-84-6	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

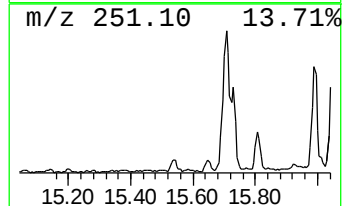
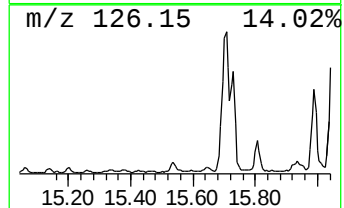
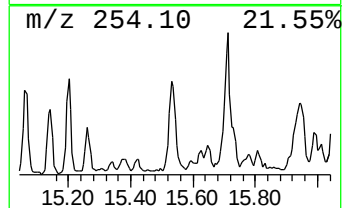
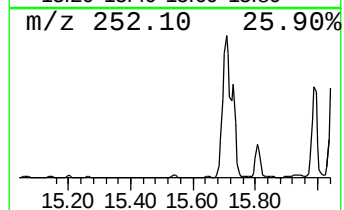
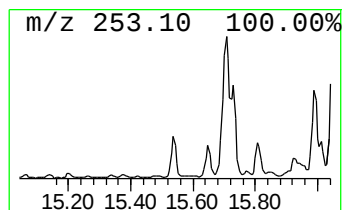
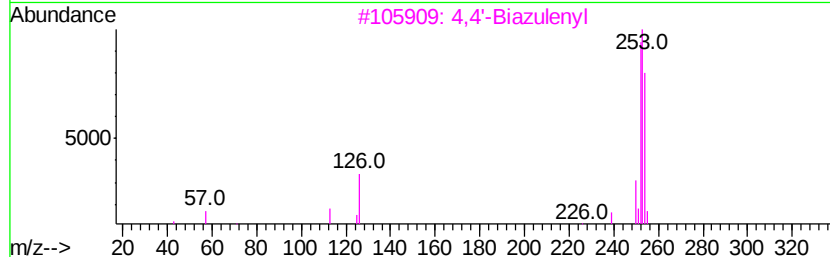
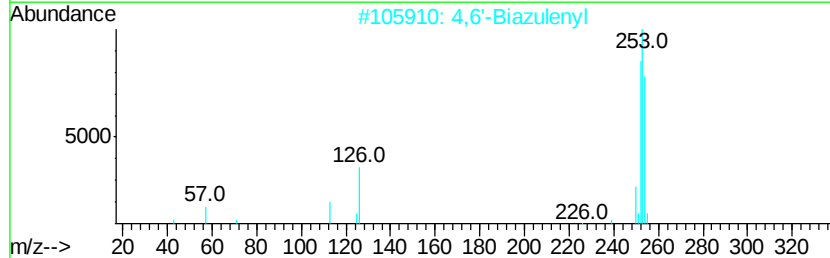
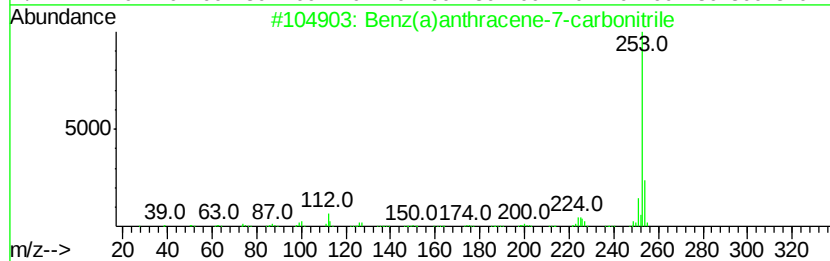
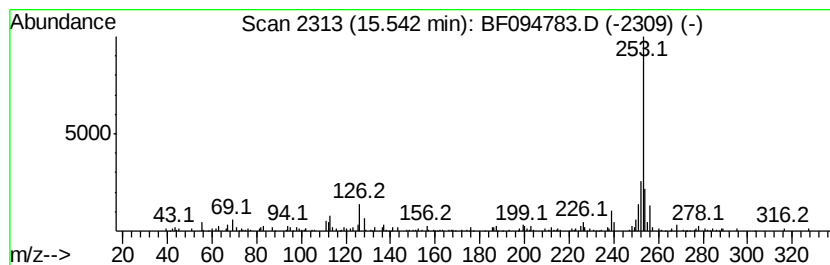
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	5.85 ng	122172	Perylene-d12	16.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	52
2			4,6'-Biazulenvyl	254	C20H14	094154-49-1	43
3			4,4'-Biazulenvyl	254	C20H14	094053-54-0	43
4			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	43
5			Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094783.D
Acq On : 2 May 2017 7:18
Operator : SJ/MA
Sample : I2892-07
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWS-S(4.5-5)

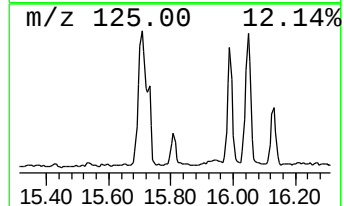
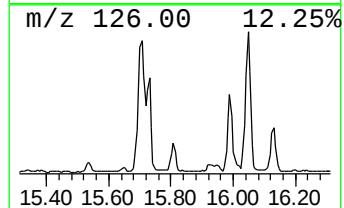
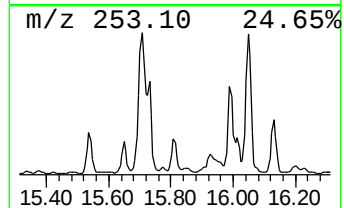
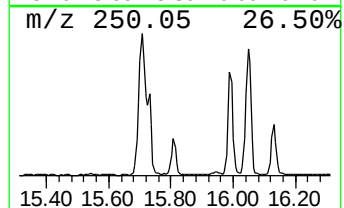
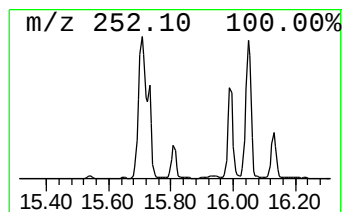
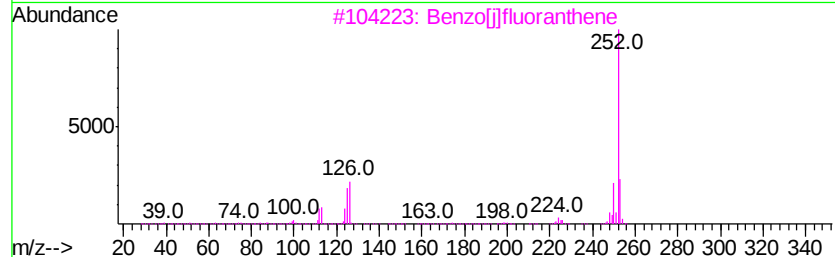
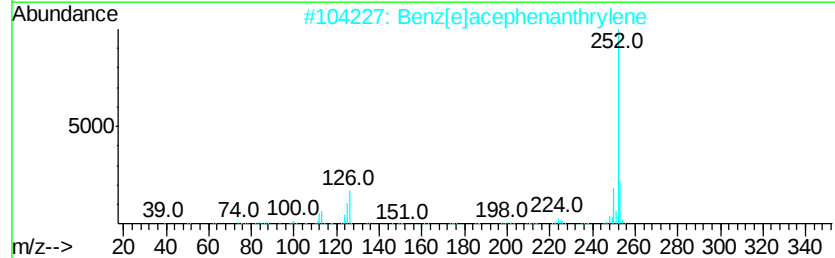
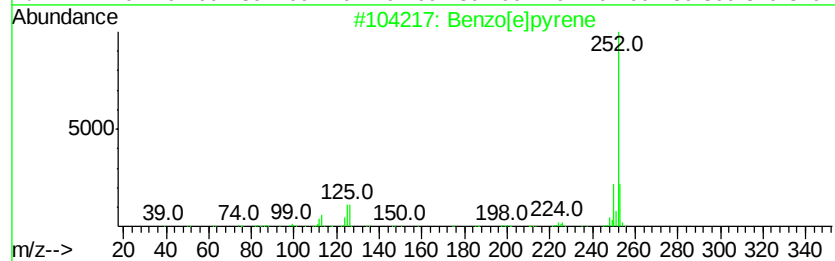
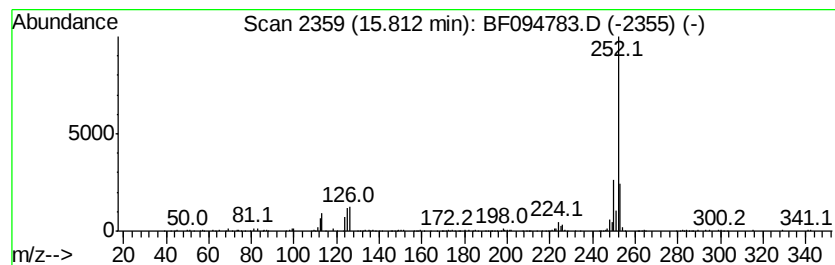
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	13.16 ng	274784	Perylene-d12	16.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	96
4		Perylene	252	C20H12	000198-55-0	96
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
 Data File : BF094783.D
 Acq On : 2 May 2017 7:18
 Operator : SJ/MA
 Sample : I2892-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWS-S(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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...	3.94	25.8	ng	719171	1	5.77	558236	20.0
unknown5.52	5.52	108.8	ng	3037310	1	5.77	558236	20.0
Tridecane, 1-iodo-	10.57	4.3	ng	124865	4	11.21	576260	20.0
Sulfurous acid, 2...	10.59	5.3	ng	152681	4	11.21	576260	20.0
Heptadecane, 2,6,...	11.16	4.5	ng	130468	4	11.21	576260	20.0
Anthracene, 2-met...	11.84	6.8	ng	197072	4	11.21	576260	20.0
Phenanthrene, 2-m...	11.87	9.5	ng	274286	4	11.21	576260	20.0
4H-Cyclopenta[def...	11.97	16.9	ng	488453	4	11.21	576260	20.0
Naphthalene, 2-ph...	12.21	5.2	ng	149163	4	11.21	576260	20.0
9,10-Anthracenedione	12.24	4.2	ng	122208	4	11.21	576260	20.0
Phenanthrene, 3,6...	12.52	5.2	ng	148658	4	11.21	576260	20.0
Cyclopenta(def)ph...	12.62	5.9	ng	170296	4	11.21	576260	20.0
11H-Benzo[b]fluorene	13.40	3.7	ng	436518	5	14.47	2338610	20.0
Benz(a)anthracene...	15.54	5.8	ng	122172	6	16.10	417548	20.0
Benzo[e]pyrene	15.81	13.2	ng	274784	6	16.10	417548	20.0