

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
 Data File : BF098263.D
 Acq On : 2 Sep 2017 23:20
 Operator : SJ/JU
 Sample : I5051-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2-COMP

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-BF081517.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	5.310	544	548	558	rBV	542484	492422	16.31%	1.312%
2	6.345	721	724	737	rBV	567682	507917	16.82%	1.354%
3	6.475	743	746	750	rBV	585839	503561	16.68%	1.342%
4	6.710	782	786	790	rBV	872536	681126	22.56%	1.815%
5	6.863	809	812	816	rBV	444300	373058	12.36%	0.994%
6	7.275	878	882	895	rBV	290349	283174	9.38%	0.755%
7	7.992	1000	1004	1006	rBV	986058	822916	27.26%	2.193%
8	8.016	1006	1008	1014	rVB	188122	156948	5.20%	0.418%
9	8.704	1122	1125	1133	rBV	124057	106796	3.54%	0.285%
10	8.804	1137	1142	1151	rBV	165538	132270	4.38%	0.352%
11	9.069	1183	1187	1190	rBV	574459	466060	15.44%	1.242%
12	9.334	1228	1232	1236	rBV	67901	86781	2.87%	0.231%
13	9.404	1240	1244	1247	rVV	151031	145009	4.80%	0.386%
14	9.433	1247	1249	1252	rVV	79112	66461	2.20%	0.177%
15	9.522	1260	1264	1269	rVB	76260	80988	2.68%	0.216%
16	9.604	1275	1278	1282	rVB	159541	124300	4.12%	0.331%
17	9.745	1296	1302	1305	rBV	935524	831139	27.53%	2.215%
18	9.775	1305	1307	1311	rVB	354218	297479	9.85%	0.793%
19	9.951	1331	1337	1340	rBV	203029	194022	6.43%	0.517%
20	10.151	1367	1371	1373	rBV	47428	58852	1.95%	0.157%
21	10.292	1391	1395	1401	rVB	357819	310195	10.27%	0.827%
22	10.357	1404	1406	1408	rVV	86698	73669	2.44%	0.196%
23	10.380	1408	1410	1412	rVV2	69352	59134	1.96%	0.158%
24	10.451	1419	1422	1426	rVB	87284	92691	3.07%	0.247%
25	10.533	1432	1436	1440	rVB	333813	319318	10.58%	0.851%
26	10.657	1451	1457	1461	rVB3	62042	64767	2.15%	0.173%
27	10.839	1482	1488	1490	rBV3	102967	145193	4.81%	0.387%
28	10.869	1490	1493	1496	rVV2	76131	78296	2.59%	0.209%
29	10.969	1505	1510	1511	rBV2	53825	71541	2.37%	0.191%
30	10.986	1511	1513	1516	rVV2	64309	74428	2.47%	0.198%
31	11.033	1518	1521	1525	rVV	159291	155146	5.14%	0.413%
32	11.086	1525	1530	1534	rVV3	78456	132027	4.37%	0.352%
33	11.122	1534	1536	1542	rVB	181421	180545	5.98%	0.481%
34	11.233	1548	1555	1556	rBV	765317	794944	26.33%	2.118%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
 Data File : BF098263.D
 Acq On : 2 Sep 2017 23:20
 Operator : SJ/JU
 Sample : I5051-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2-COMP

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-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.257	1556	1559	1562	rVV	2739895	2696803	89.33%	7.187%
36	11.304	1564	1567	1570	rVV	837511	690818	22.88%	1.841%
37	11.339	1570	1573	1576	rVB2	64577	63554	2.11%	0.169%
38	11.463	1591	1594	1596	rVV	223969	192112	6.36%	0.512%
39	11.527	1602	1605	1607	rVV	109313	95972	3.18%	0.256%
40	11.563	1607	1611	1616	rVB3	96191	107286	3.55%	0.286%
41	11.733	1634	1640	1642	rVV	510235	501791	16.62%	1.337%
42	11.757	1642	1644	1648	rVB	651701	570050	18.88%	1.519%
43	11.804	1648	1652	1655	rBV	250936	218257	7.23%	0.582%
44	11.839	1655	1658	1661	rVV	693222	782343	25.91%	2.085%
45	11.863	1661	1662	1667	rVB	414001	271219	8.98%	0.723%
46	12.027	1687	1690	1692	rVV	354573	307332	10.18%	0.819%
47	12.051	1692	1694	1698	rVB	258914	216490	7.17%	0.577%
48	12.174	1709	1715	1718	rBV	145743	169164	5.60%	0.451%
49	12.204	1718	1720	1722	rVV	95176	71670	2.37%	0.191%
50	12.227	1722	1724	1727	rVB	89567	77312	2.56%	0.206%
51	12.280	1727	1733	1736	rBV	277174	332234	11.00%	0.885%
52	12.316	1736	1739	1741	rVV2	161733	187516	6.21%	0.500%
53	12.339	1741	1743	1745	rVB	87265	65003	2.15%	0.173%
54	12.369	1745	1748	1752	rBV2	223051	257469	8.53%	0.686%
55	12.445	1756	1761	1764	rBV	2571822	2588065	85.72%	6.897%
56	12.504	1769	1771	1774	rVV2	74910	78173	2.59%	0.208%
57	12.586	1779	1785	1790	rBV4	119616	253795	8.41%	0.676%
58	12.674	1794	1800	1803	rBV	2563716	3019087	100.00%	8.046%
59	12.716	1805	1807	1812	rVB2	132796	171585	5.68%	0.457%
60	12.786	1812	1819	1821	rBV	157709	185730	6.15%	0.495%
61	12.810	1821	1823	1830	rVB2	511027	593577	19.66%	1.582%
62	12.886	1830	1836	1840	rBV2	241643	388042	12.85%	1.034%
63	12.974	1848	1851	1852	rVV2	169410	197835	6.55%	0.527%
64	12.998	1852	1855	1858	rVB	370821	362079	11.99%	0.965%
65	13.063	1862	1866	1868	rVV	204686	173387	5.74%	0.462%
66	13.098	1868	1872	1875	rVV2	337652	350276	11.60%	0.933%
67	13.121	1875	1876	1880	rVB2	73377	65209	2.16%	0.174%
68	13.192	1885	1888	1890	rBV	223838	178568	5.91%	0.476%
69	13.221	1890	1893	1897	rVB	249180	200476	6.64%	0.534%
70	13.298	1903	1906	1911	rVB5	114088	152650	5.06%	0.407%
71	13.398	1916	1923	1925	rVV5	60032	126576	4.19%	0.337%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
 Data File : BF098263.D
 Acq On : 2 Sep 2017 23:20
 Operator : SJ/JU
 Sample : I5051-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2-COMP

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-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.421	1925	1927	1929	rVV	73365	66744	2.21%	0.178%
73	13.504	1934	1941	1946	rBV	265243	318502	10.55%	0.849%
74	13.610	1954	1959	1962	rBV2	249119	320623	10.62%	0.854%
75	13.639	1962	1964	1966	rVV	272761	244379	8.09%	0.651%
76	13.663	1966	1968	1974	rVV3	174319	270455	8.96%	0.721%
77	13.710	1974	1976	1980	rVB	249664	244874	8.11%	0.653%
78	13.863	1995	2002	2005	rBV2	1515336	2423580	80.28%	6.459%
79	13.892	2005	2007	2013	rVB	1245300	1155115	38.26%	3.078%
80	13.968	2018	2020	2022	rVV	163619	125784	4.17%	0.335%
81	14.092	2037	2041	2044	rVV2	89919	104807	3.47%	0.279%
82	14.186	2053	2057	2059	rBV2	48030	67502	2.24%	0.180%
83	14.251	2064	2068	2071	rVV	284042	284201	9.41%	0.757%
84	14.286	2071	2074	2077	rVB	155172	139192	4.61%	0.371%
85	14.345	2077	2084	2086	rBV3	112252	185742	6.15%	0.495%
86	14.374	2086	2089	2091	rVV	129837	114029	3.78%	0.304%
87	14.398	2091	2093	2096	rVB2	101270	82227	2.72%	0.219%
88	14.445	2099	2101	2107	rVB	88020	94289	3.12%	0.251%
89	14.557	2115	2120	2122	rBV2	70185	103245	3.42%	0.275%
90	14.633	2130	2133	2136	rBV3	48658	60837	2.02%	0.162%
91	14.880	2170	2175	2182	rBV	803864	1563454	51.79%	4.166%
92	14.980	2189	2192	2195	rVB	172950	161168	5.34%	0.429%
93	15.163	2219	2223	2229	rVB	499617	627476	20.78%	1.672%
94	15.221	2229	2233	2238	rVV	686398	839026	27.79%	2.236%
95	15.280	2238	2243	2246	rVV	539462	692346	22.93%	1.845%
96	15.310	2246	2248	2254	rVB2	225963	276724	9.17%	0.737%
97	16.327	2419	2421	2436	rVB2	53982	136658	4.53%	0.364%
98	16.651	2470	2476	2483	rVB2	238297	440269	14.58%	1.173%
99	16.862	2508	2512	2517	rBV2	48005	70484	2.33%	0.188%
100	17.057	2539	2545	2553	rVB	185643	388552	12.87%	1.035%

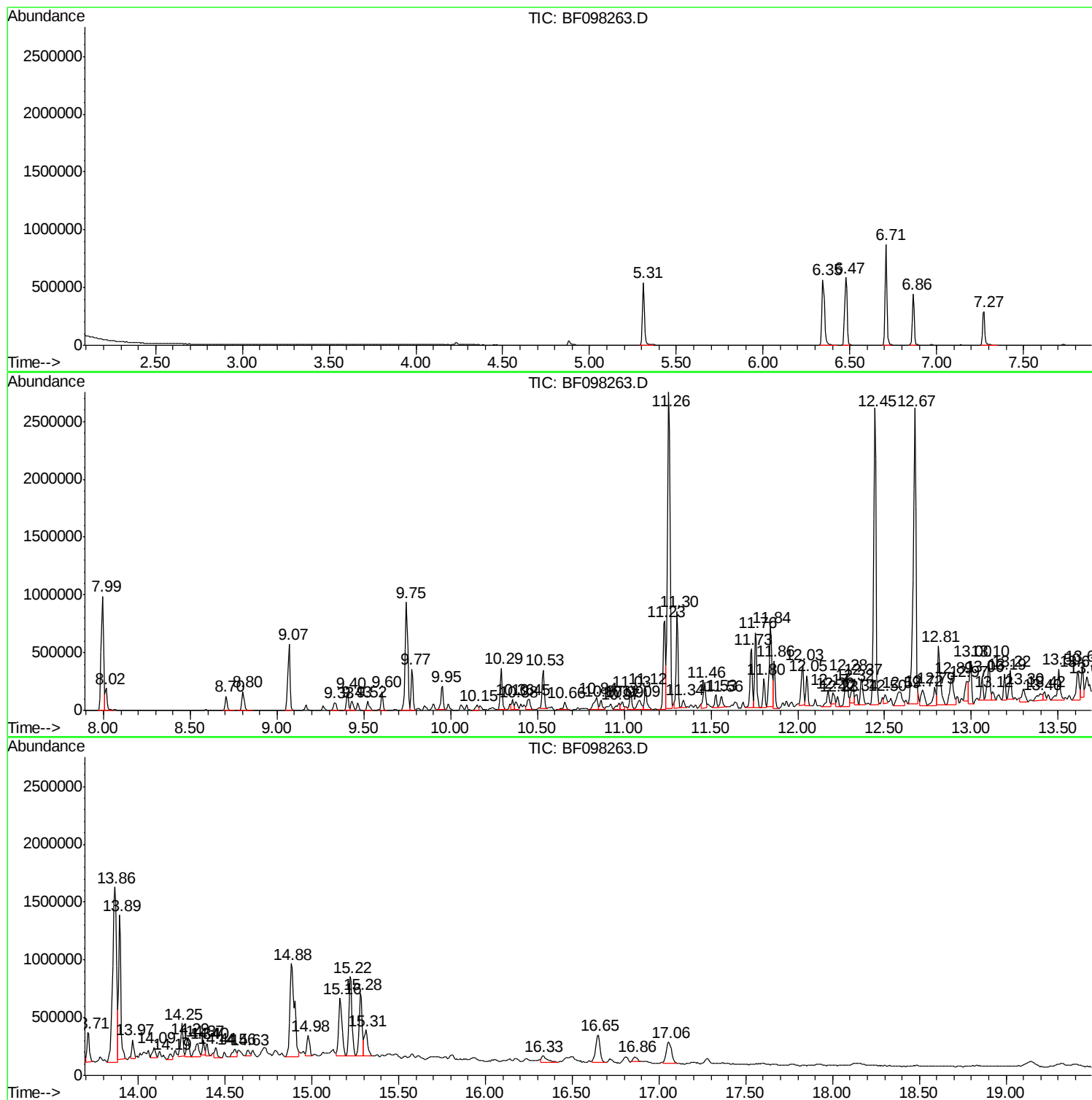
Sum of corrected areas: 37524962

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

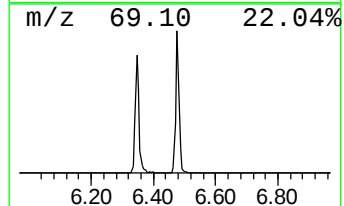
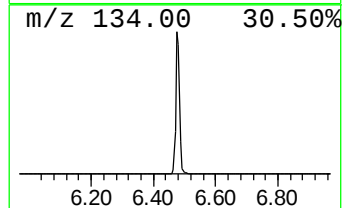
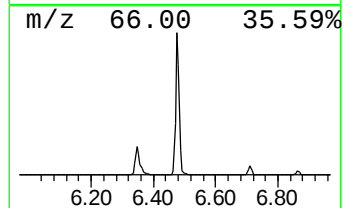
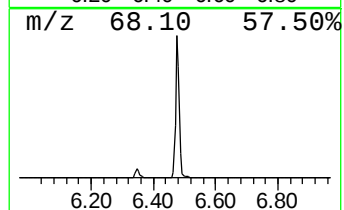
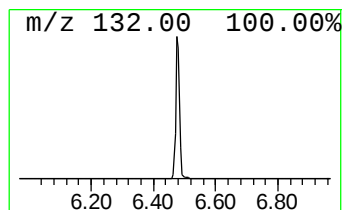
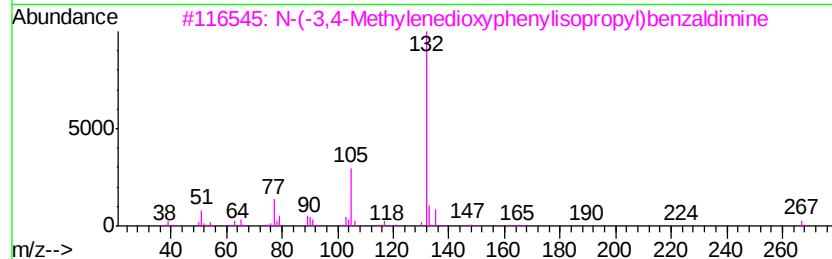
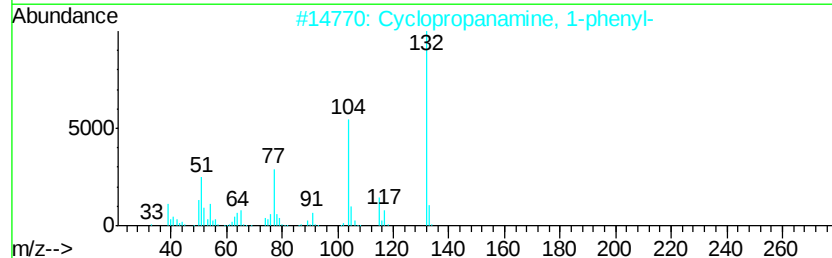
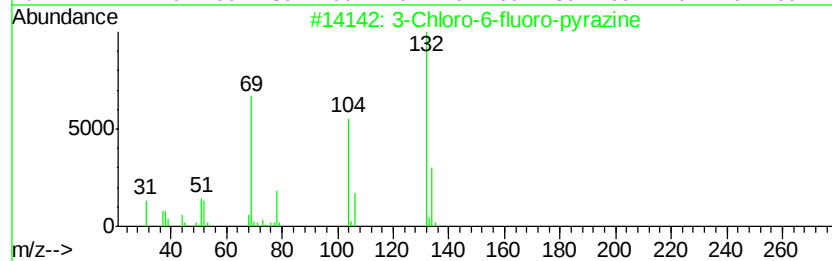
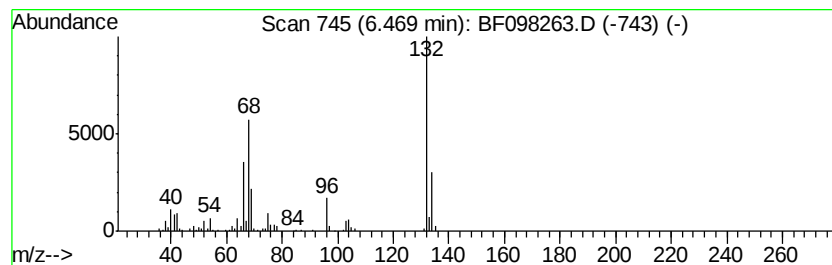
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.47 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	14.79 ng	503561	1,4-Dichlorobenzene-d4	6.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
3		N-(-3,4-Methylenedioxyphenylisop...	267	C17H17N02	1000378-96-6	10
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

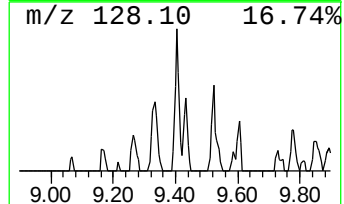
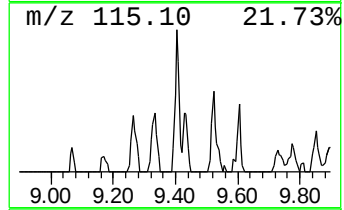
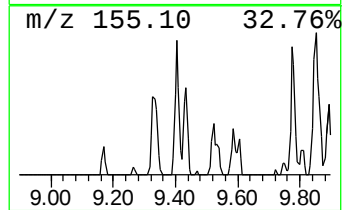
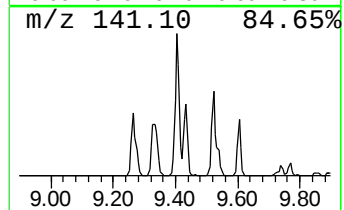
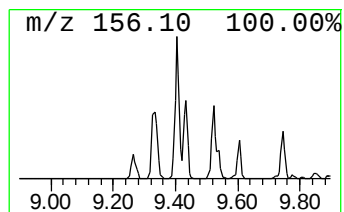
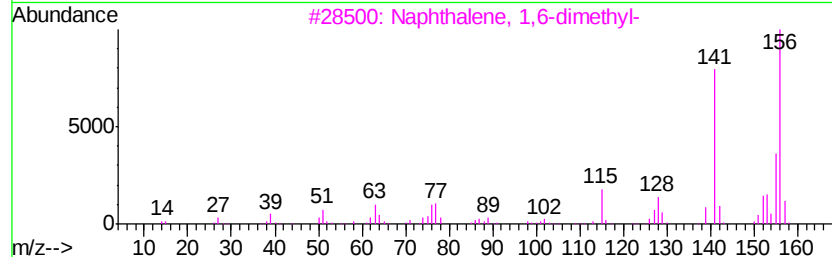
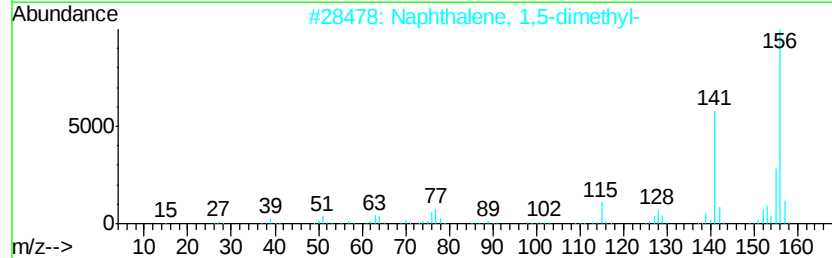
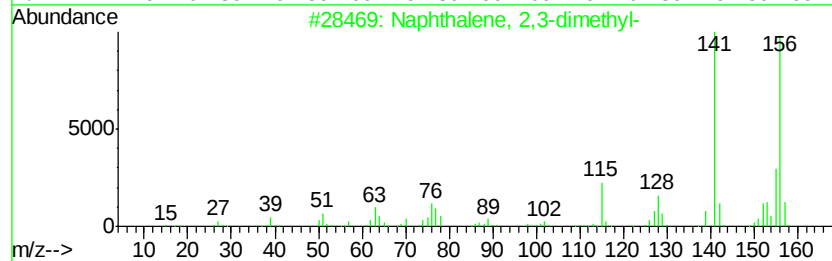
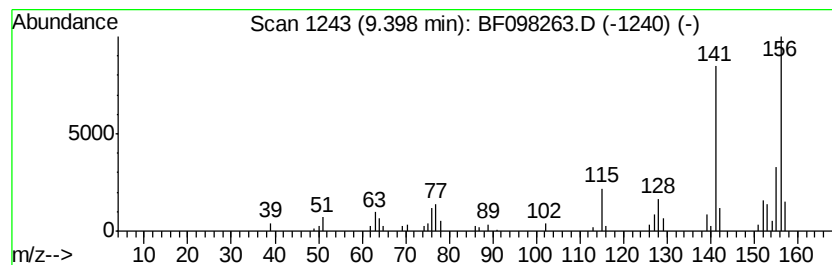
Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.		
9.40	3.49 ng	145009	Acenaphthene-d10		9.75		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

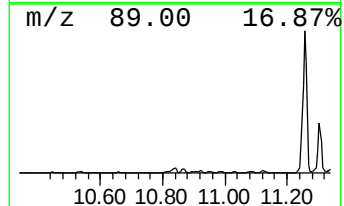
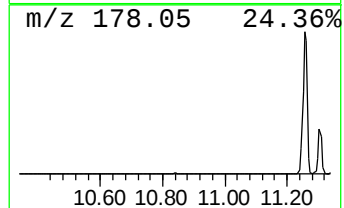
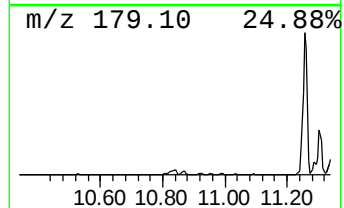
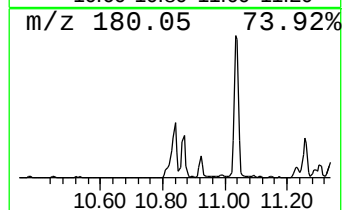
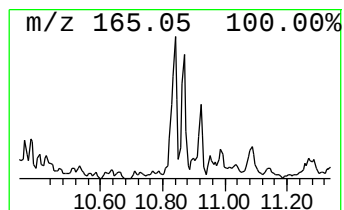
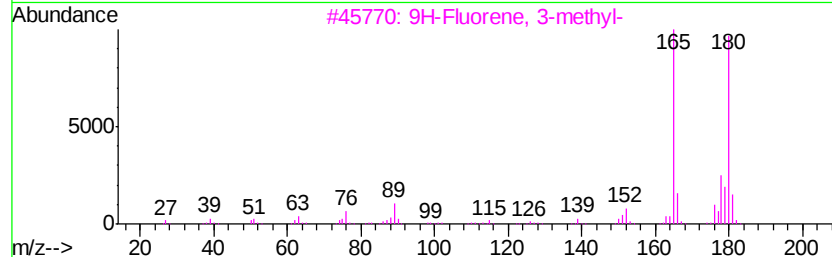
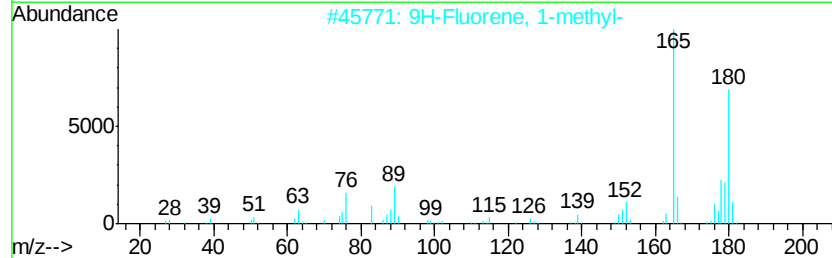
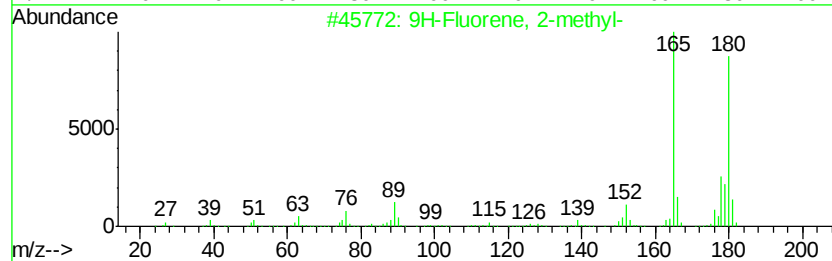
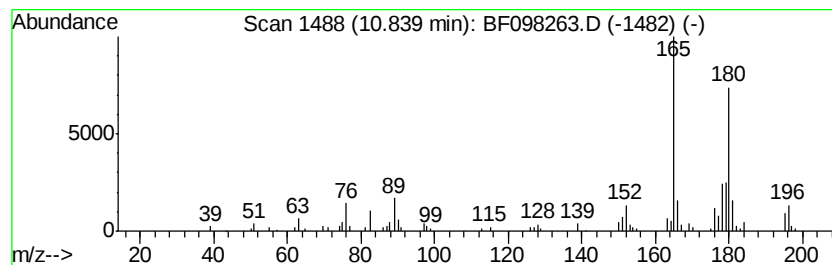
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	3.65 ng	145193	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

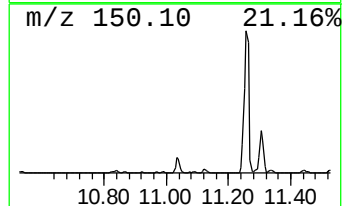
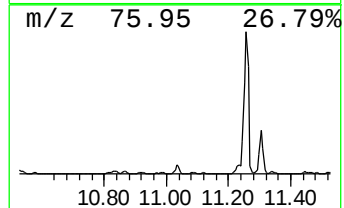
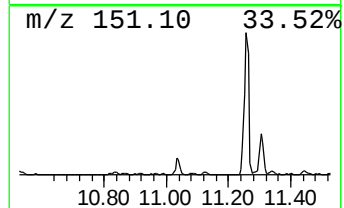
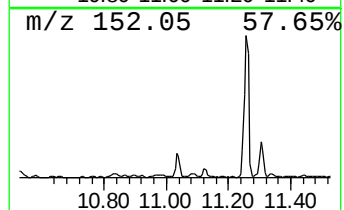
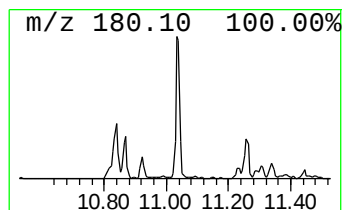
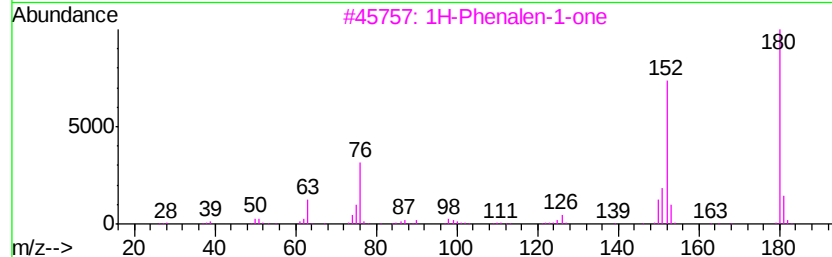
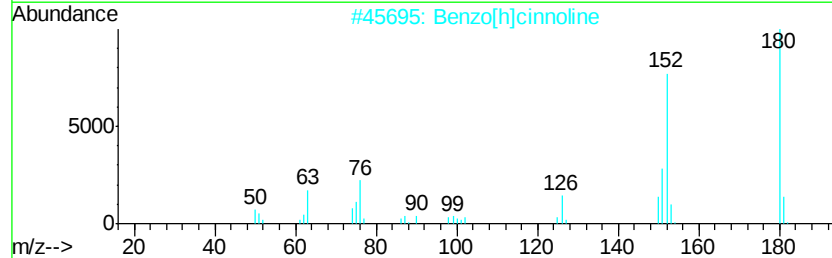
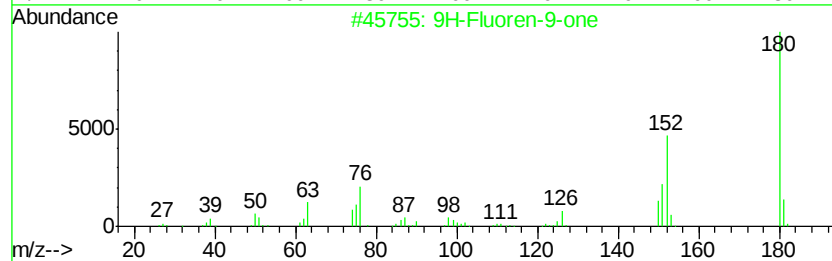
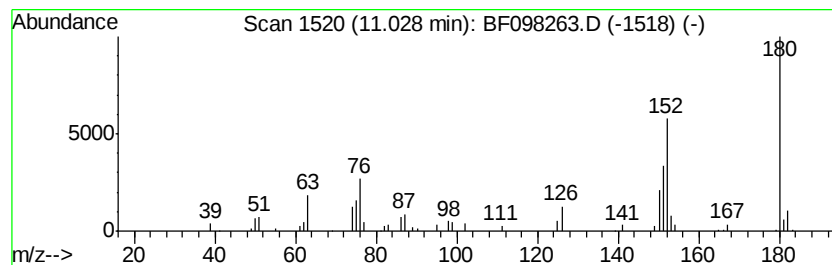
Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.03	3.90 ng	155146	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	Benzaldehyde, 4-nitro-, O-methyl...	180	C8H8N2O3	033499-32-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

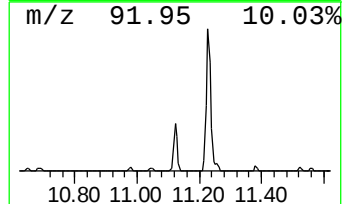
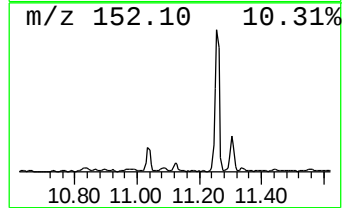
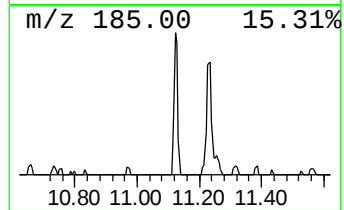
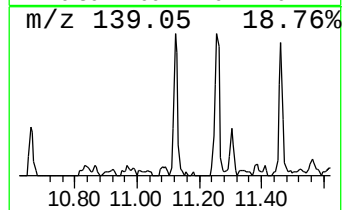
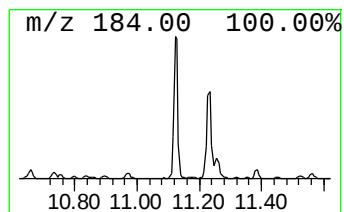
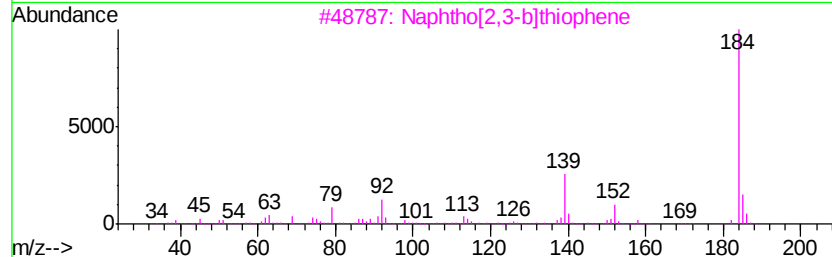
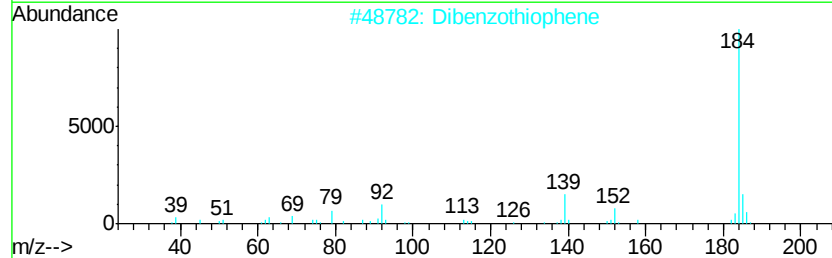
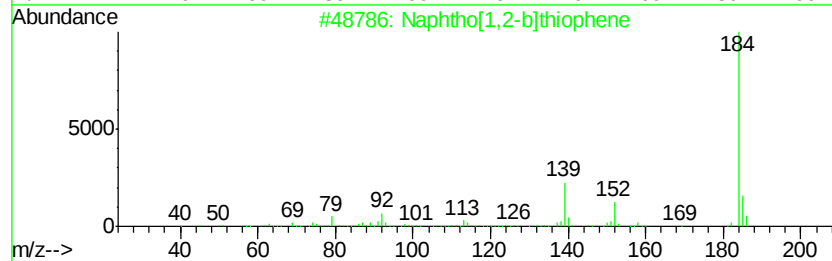
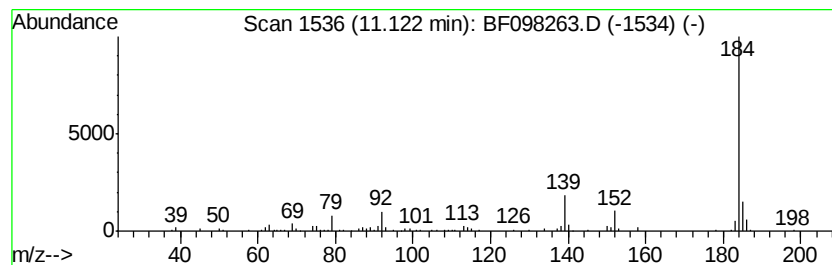
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.54 ng	180545	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

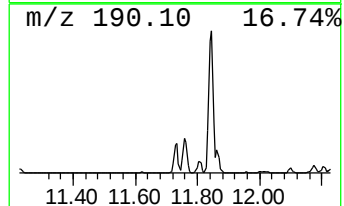
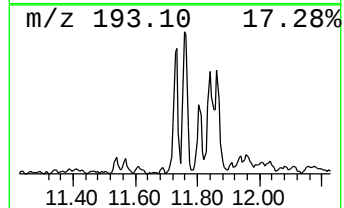
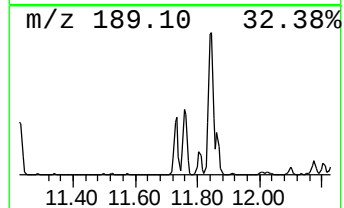
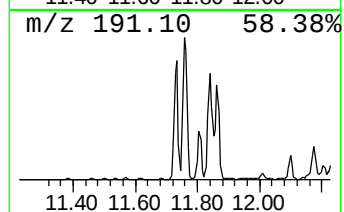
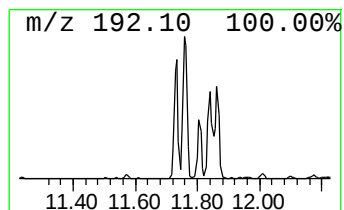
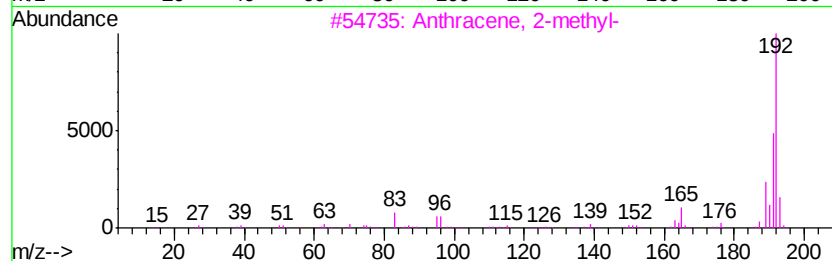
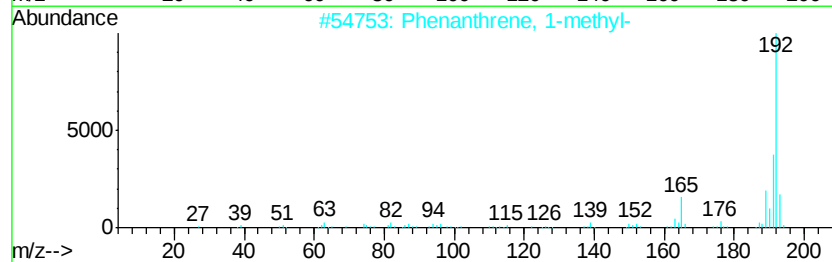
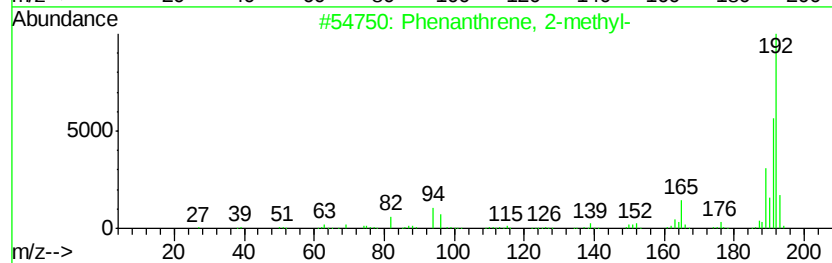
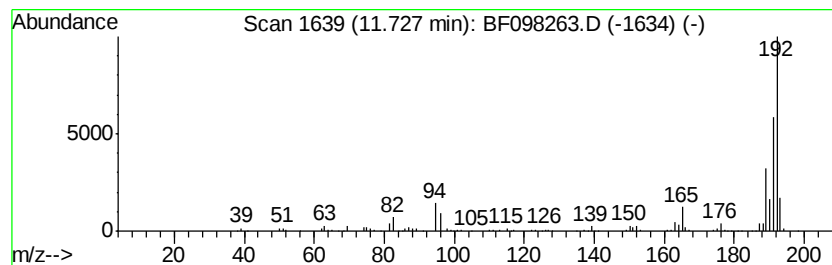
Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	12.62 ng	501791	Phenanthrene-d10	11.23	
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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

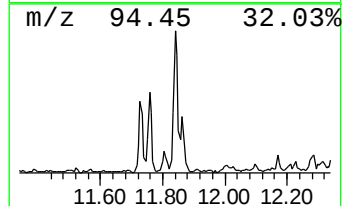
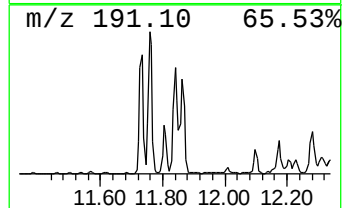
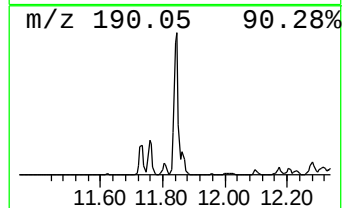
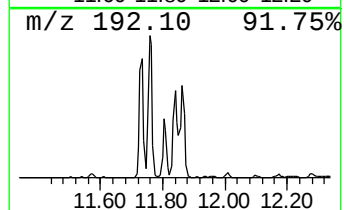
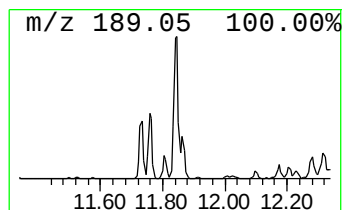
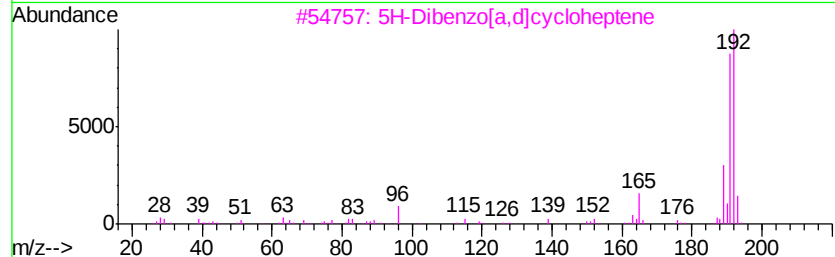
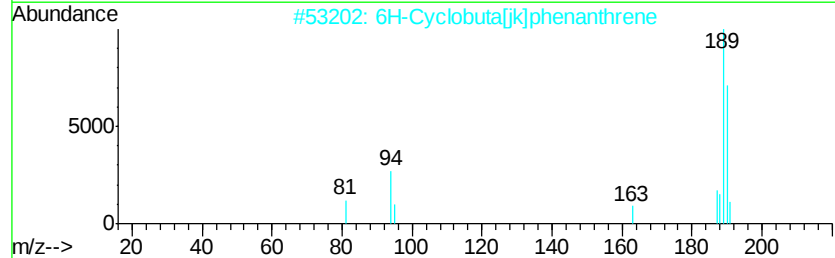
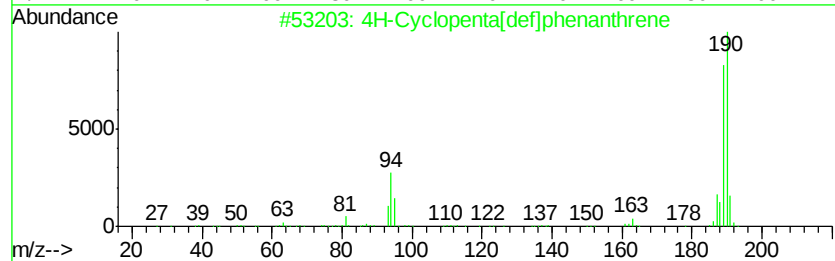
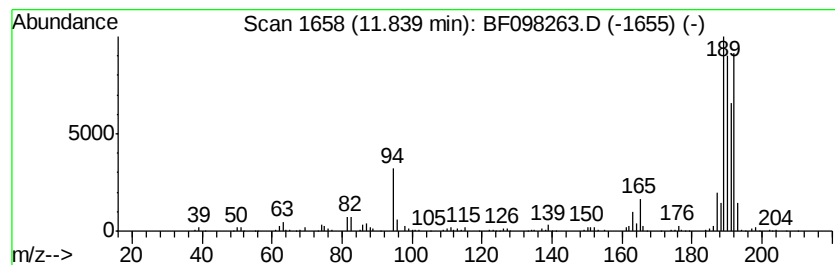
Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.84	19.68 ng	782343	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

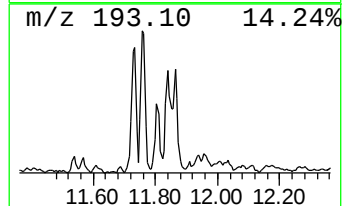
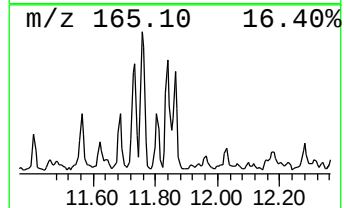
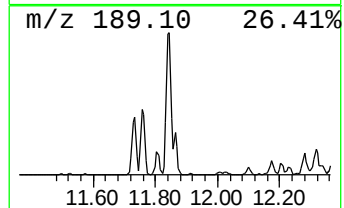
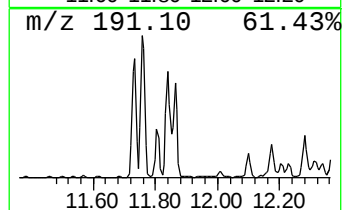
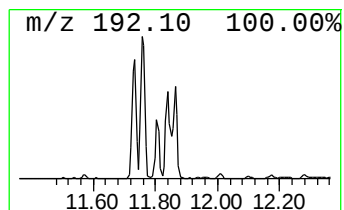
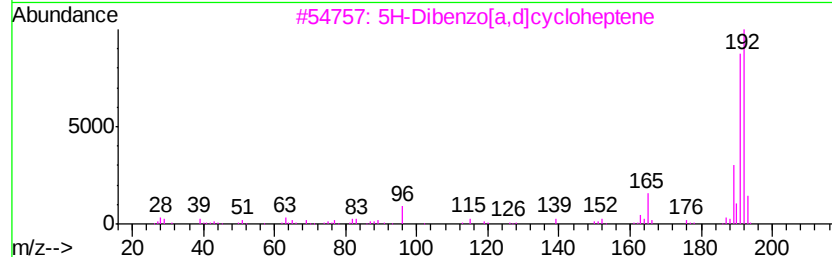
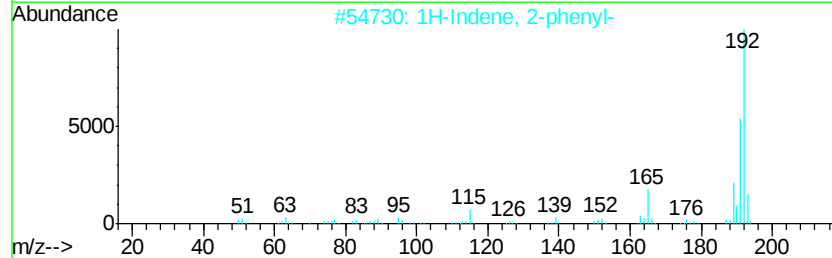
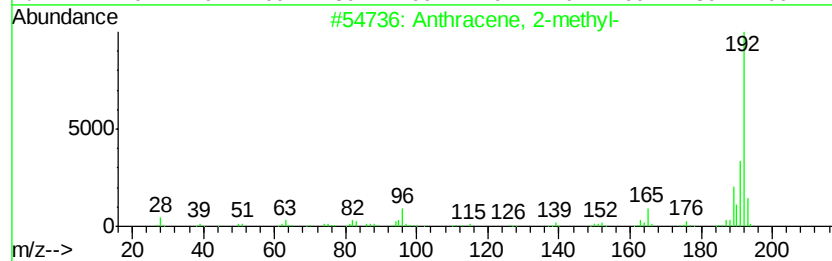
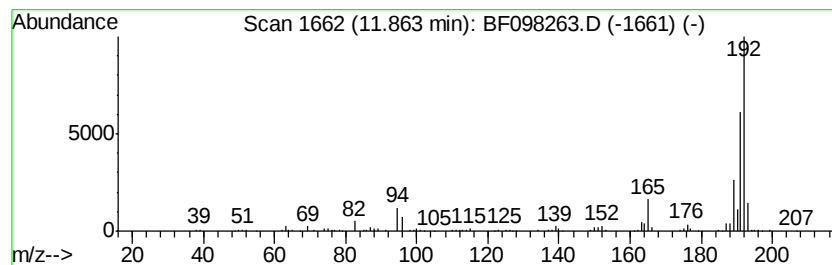
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.82 ng	271219	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5			1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

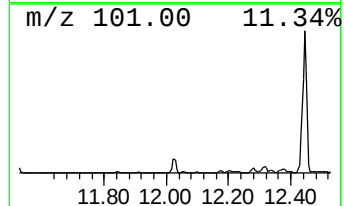
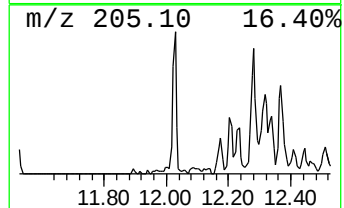
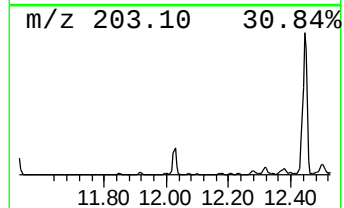
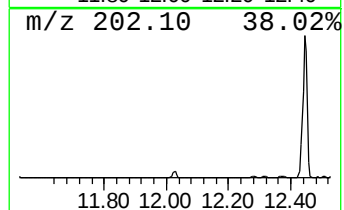
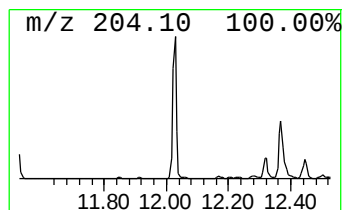
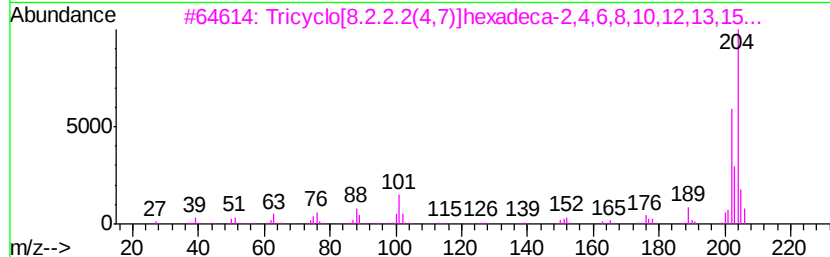
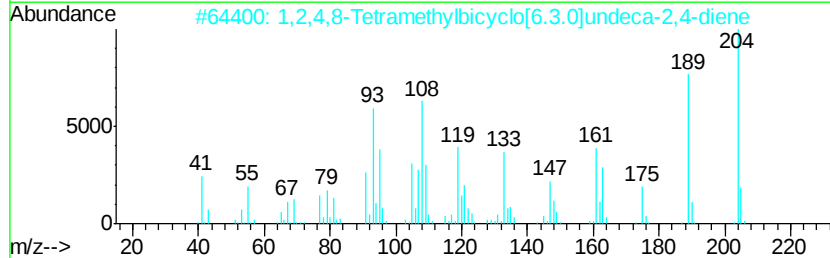
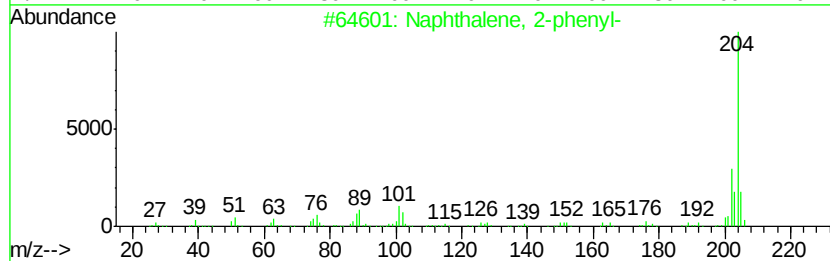
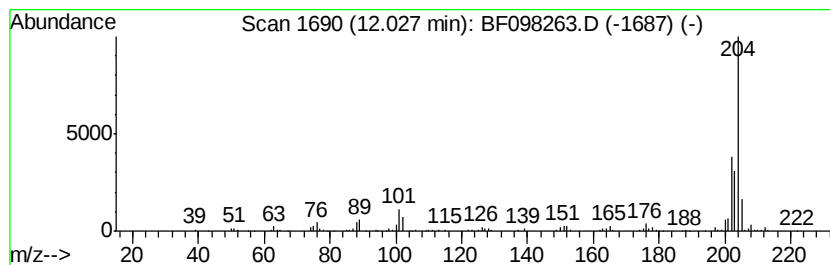
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	7.73 ng	307332	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

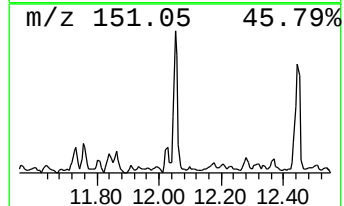
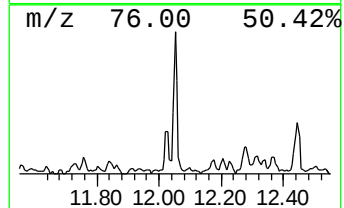
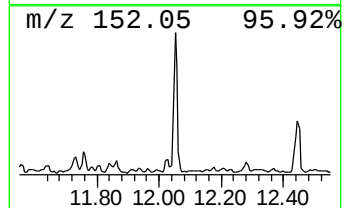
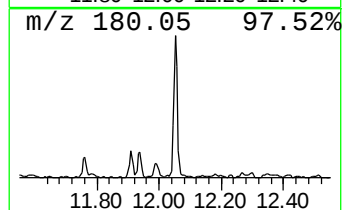
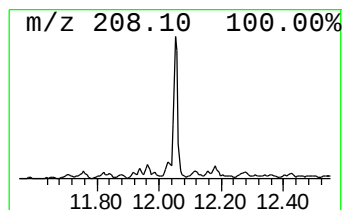
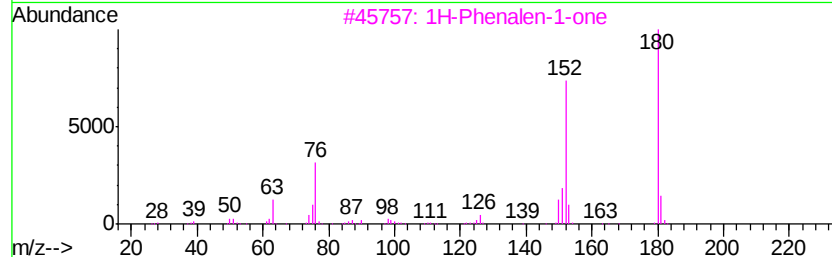
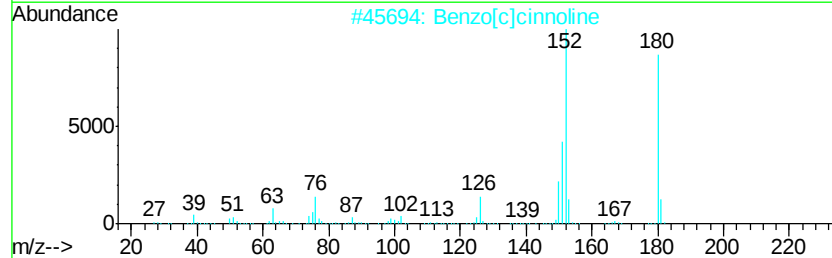
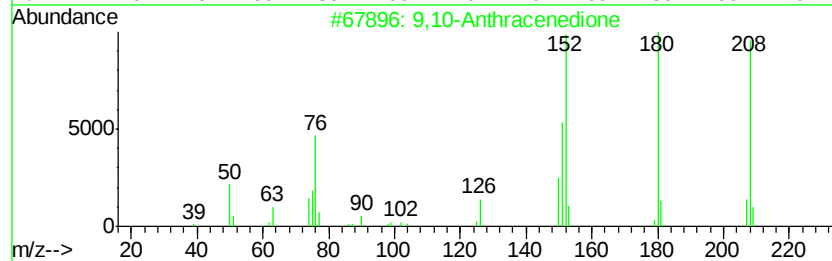
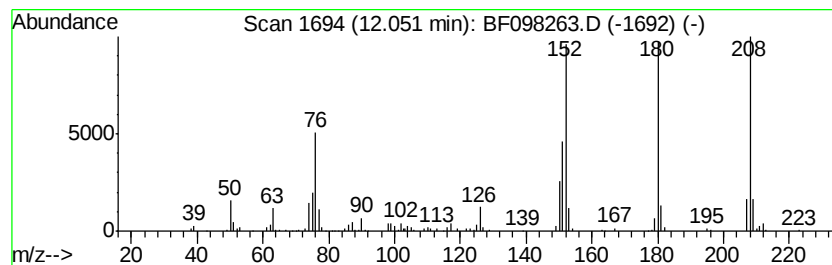
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	5.45 ng	216490	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

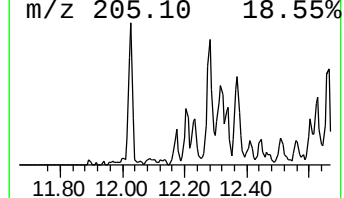
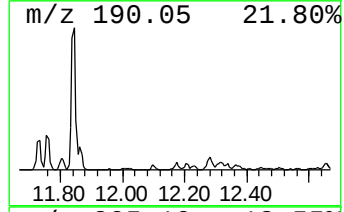
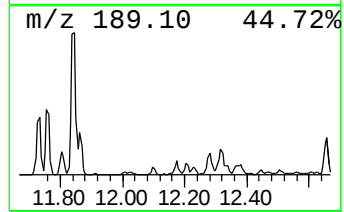
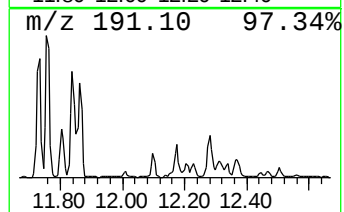
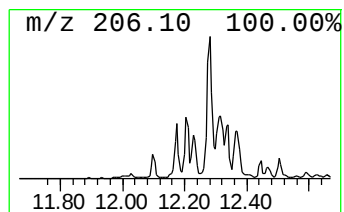
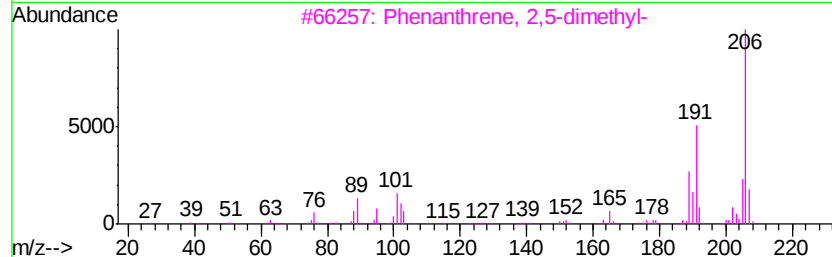
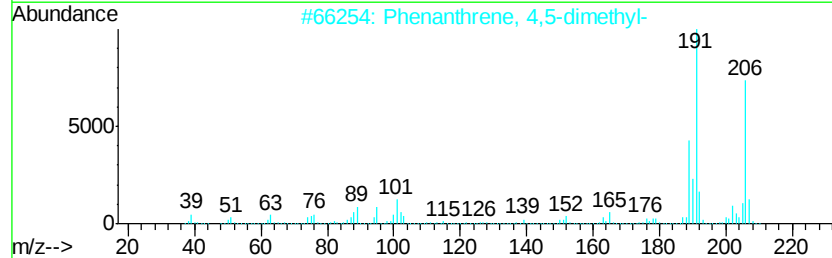
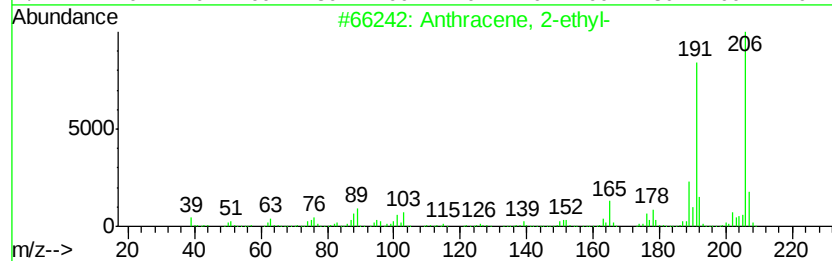
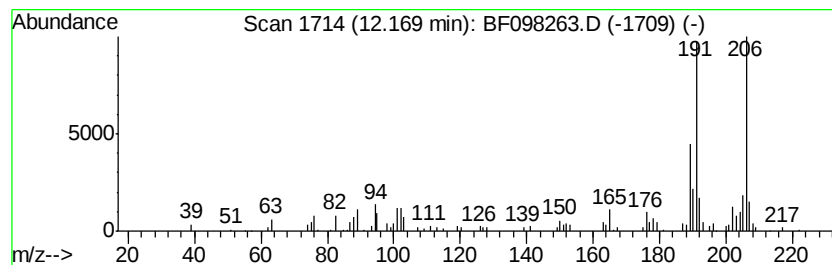
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	4.26 ng	169164	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

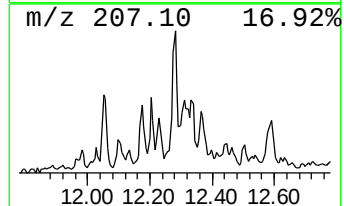
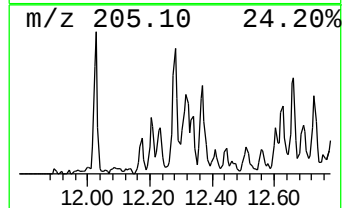
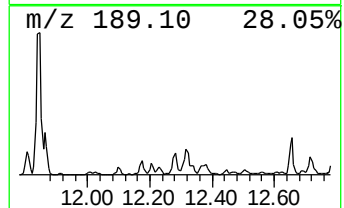
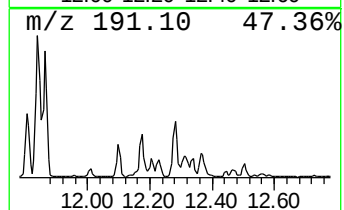
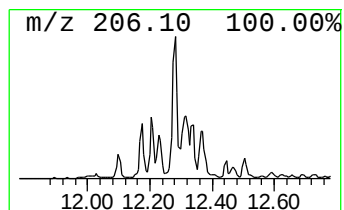
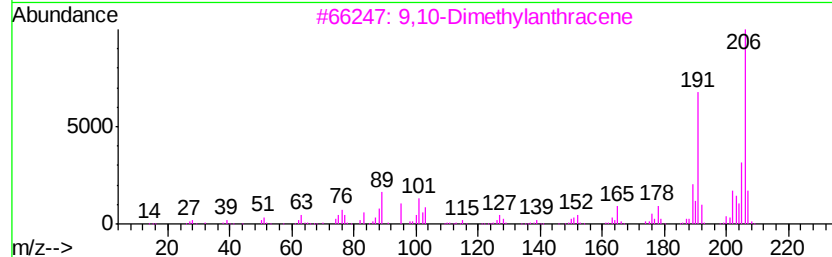
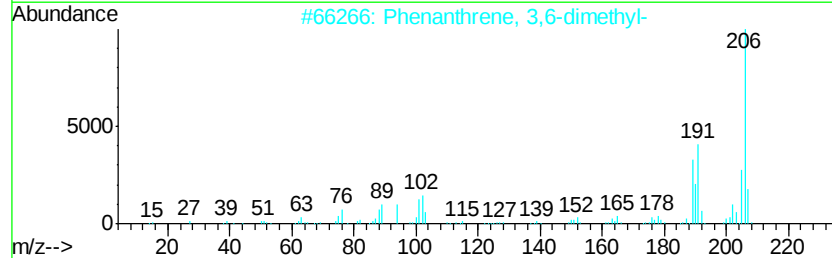
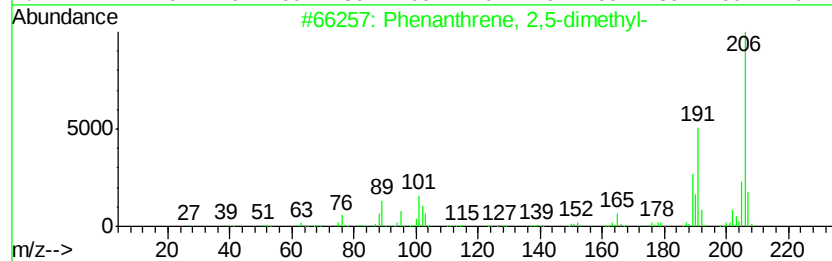
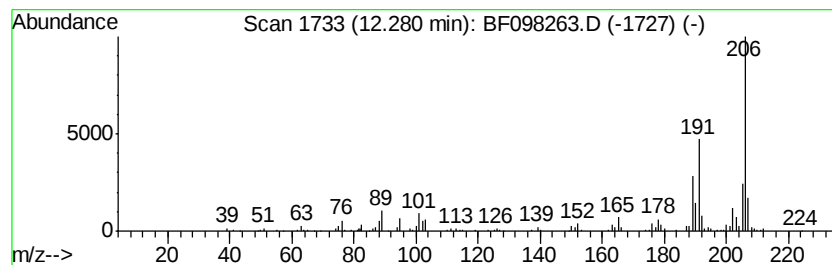
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	8.36 ng	332234	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

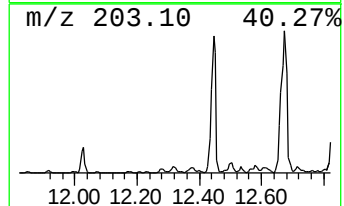
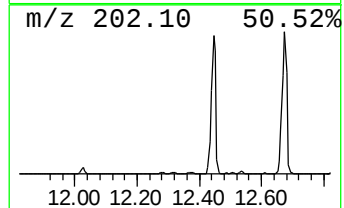
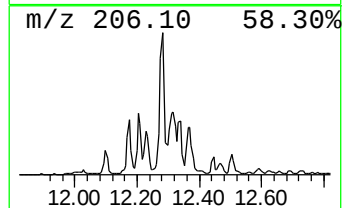
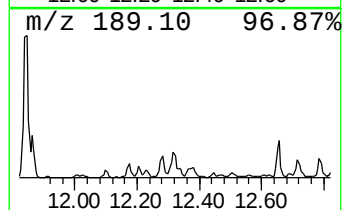
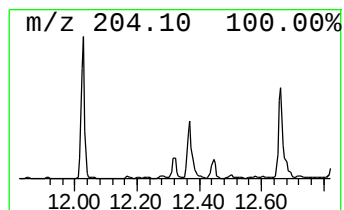
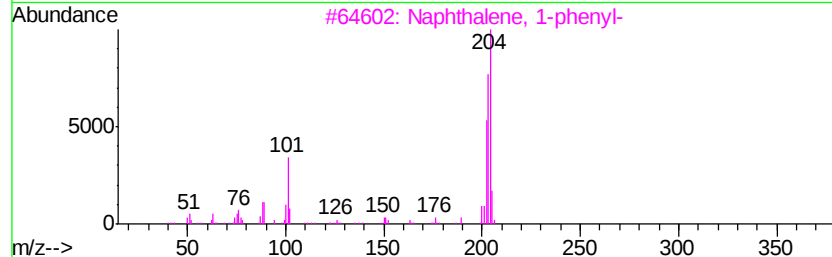
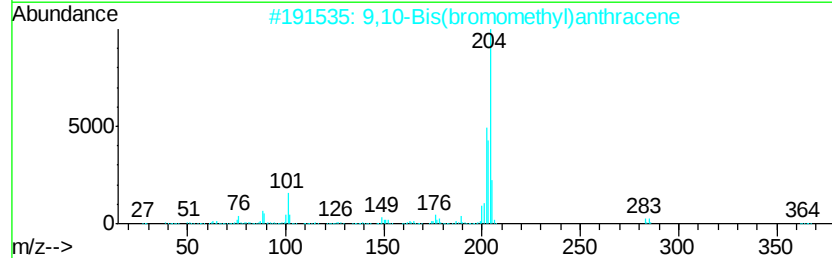
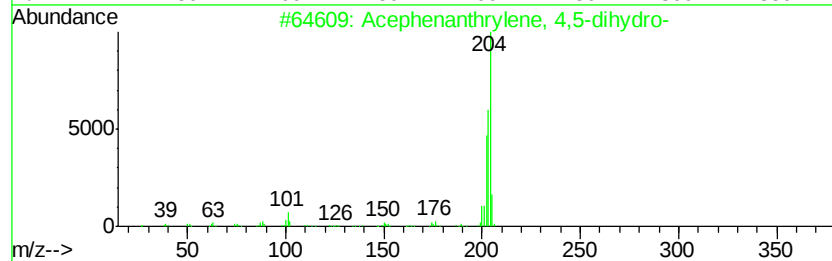
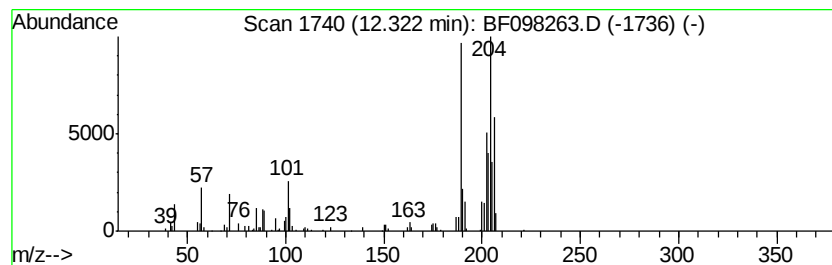
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.32 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.72 ng	187516	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
4		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

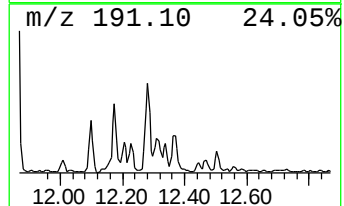
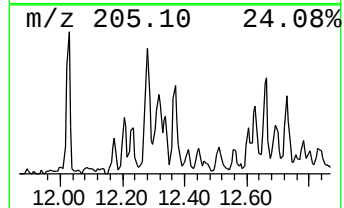
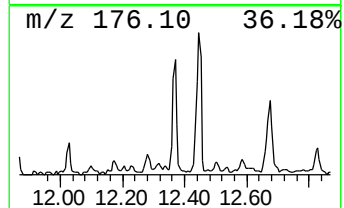
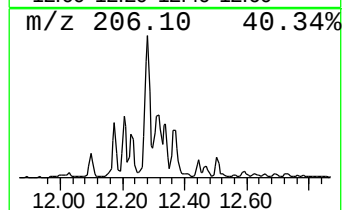
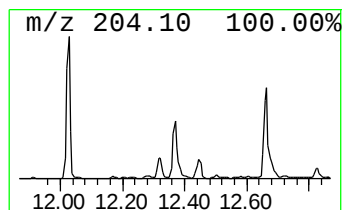
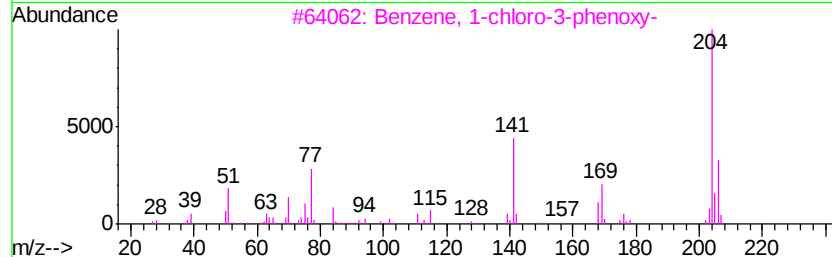
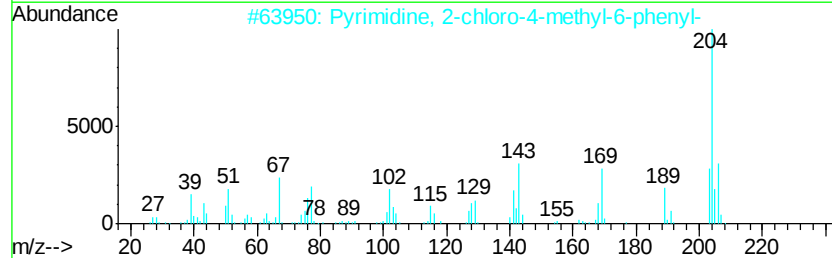
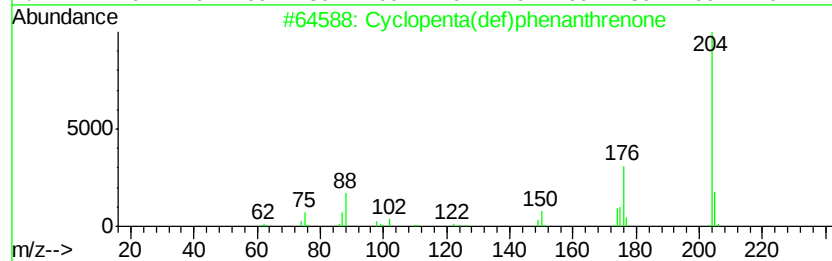
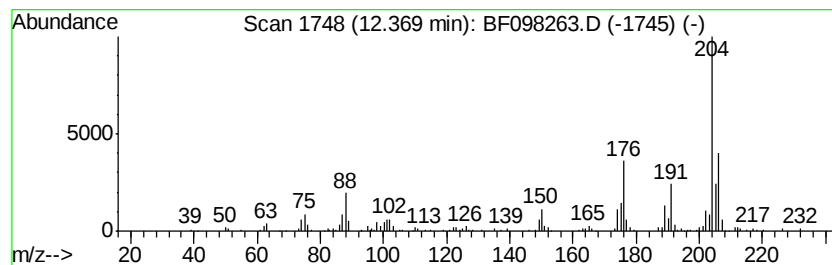
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.48 ng	257469	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
3		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
4		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

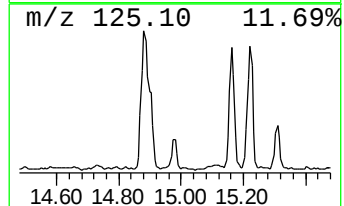
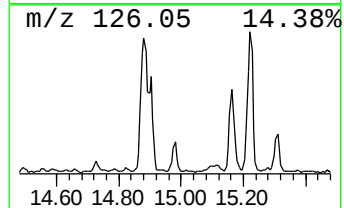
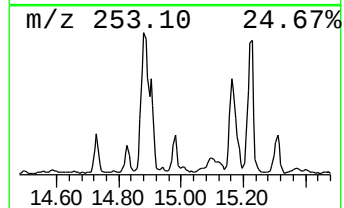
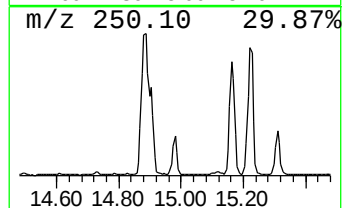
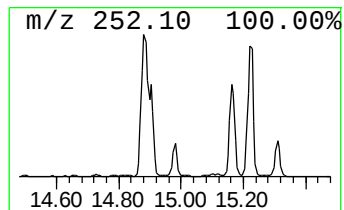
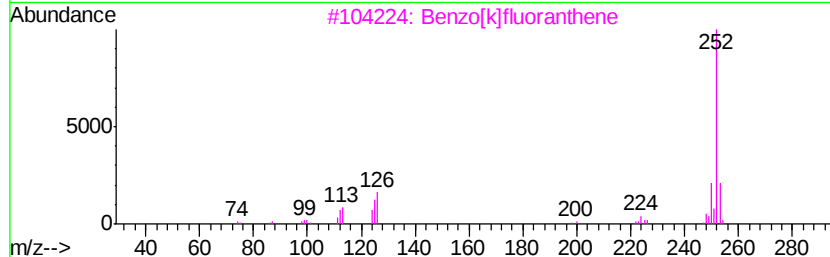
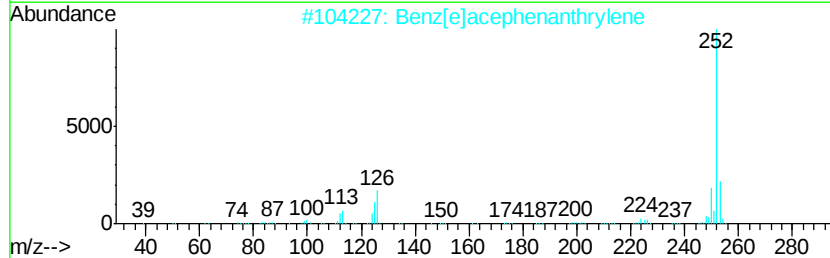
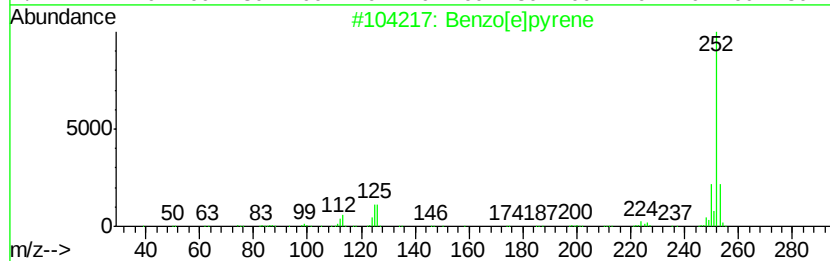
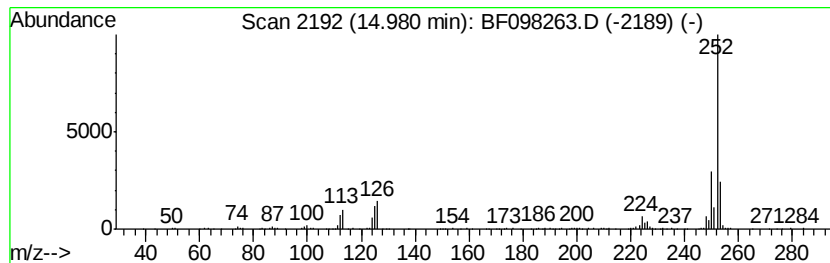
Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.98	4.66 ng	161168	Perylene-d12	15.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098263.D
Acq On : 2 Sep 2017 23:20
Operator : SJ/JU
Sample : I5051-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2-COMP

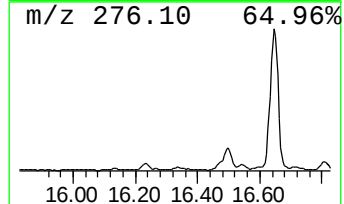
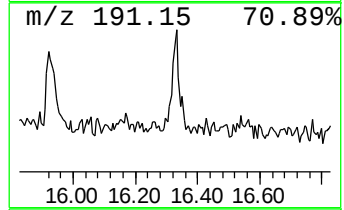
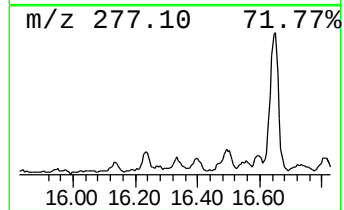
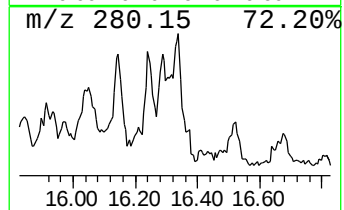
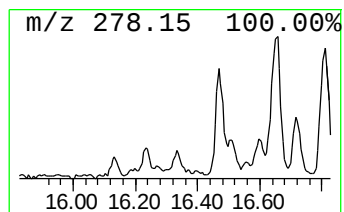
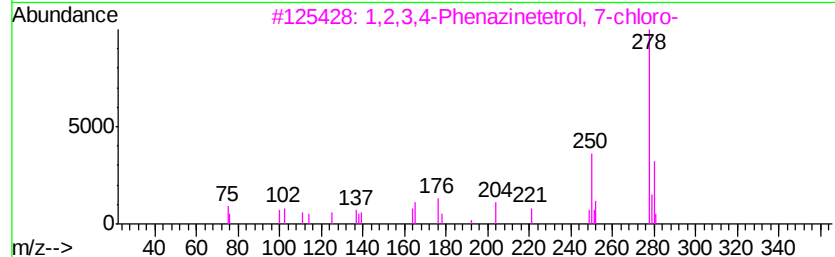
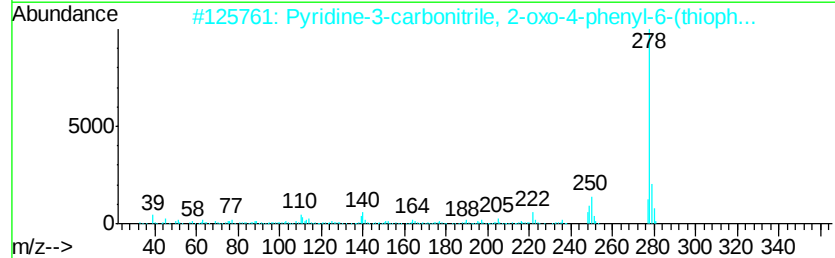
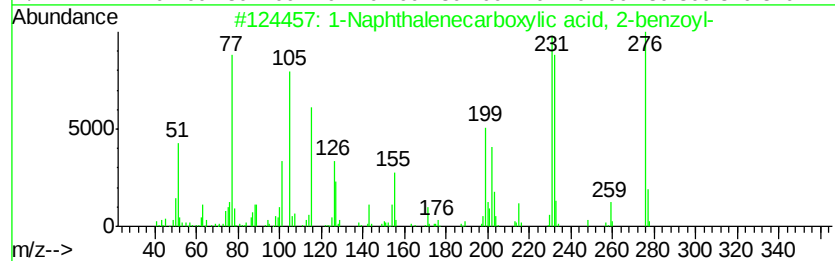
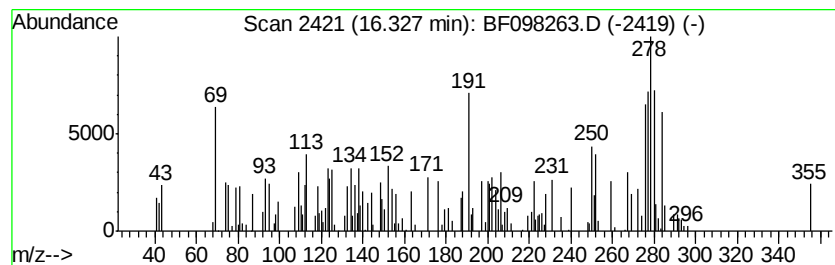
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1-Naphthalenecarboxylic aci... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	3.95 ng	136658	Perylene-d12	15.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	53
2			Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	38
3			1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	27
4			Phenol, 2-(2,2-difluoro-1,3-benz...	277	C14H9F2NO3	1000274-10-8	25
5			Bicyclo[4.1.0]hepta-1,3,5-triene...	278	C19H12F2	052326-84-8	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
 Data File : BF098263.D
 Acq On : 2 Sep 2017 23:20
 Operator : SJ/JU
 Sample : I5051-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.47	6.47	14.8	ng	503561	1	6.71	681126	20.0
Naphthalene, 2,3-...	9.40	3.5	ng	145009	3	9.75	831139	20.0
9H-Fluorene, 2-me...	10.84	3.6	ng	145193	4	11.23	794944	20.0
9H-Fluoren-9-one	11.03	3.9	ng	155146	4	11.23	794944	20.0
Naphtho[1,2-b]thi...	11.12	4.5	ng	180545	4	11.23	794944	20.0
Phenanthrene, 2-m...	11.73	12.6	ng	501791	4	11.23	794944	20.0
4H-Cyclopenta[def...	11.84	19.7	ng	782343	4	11.23	794944	20.0
Anthracene, 2-met...	11.86	6.8	ng	271219	4	11.23	794944	20.0
Naphthalene, 2-ph...	12.03	7.7	ng	307332	4	11.23	794944	20.0
9,10-Anthracenedione	12.05	5.5	ng	216490	4	11.23	794944	20.0
Anthracene, 2-ethyl-	12.17	4.3	ng	169164	4	11.23	794944	20.0
Phenanthrene, 2,5...	12.28	8.4	ng	332234	4	11.23	794944	20.0
unknown12.32	12.32	4.7	ng	187516	4	11.23	794944	20.0
Cyclopenta(def)ph...	12.37	6.5	ng	257469	4	11.23	794944	20.0
Benzo[e]pyrene	14.98	4.7	ng	161168	6	15.28	692346	20.0
1-Naphthalenecarb...	16.33	4.0	ng	136658	6	15.28	692346	20.0