

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099816.D
 Acq On : 25 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6070-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-102017

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-BF102317.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	4.998	492	495	505	rBV	30741	43412	5.07%	0.331%
2	5.410	562	565	586	rBV	220037	299667	34.99%	2.282%
3	6.434	736	739	753	rBV	266930	316950	37.01%	2.414%
4	6.563	758	761	770	rVB	366002	353497	41.28%	2.692%
5	6.792	797	800	813	rVB	546486	466298	54.45%	3.552%
6	6.945	823	826	839	rVB	306861	284357	33.20%	2.166%
7	7.363	894	897	916	rVB	175621	194571	22.72%	1.482%
8	8.075	1015	1018	1026	rBV	797442	665529	77.71%	5.069%
9	8.639	1111	1114	1116	rBV	14331	12062	1.41%	0.092%
10	8.792	1138	1140	1146	rBV	15764	15214	1.78%	0.116%
11	8.892	1154	1157	1164	rBV	19420	17733	2.07%	0.135%
12	9.151	1198	1201	1205	rBV	588292	436974	51.02%	3.328%
13	9.422	1243	1247	1251	rBV2	10516	12936	1.51%	0.099%
14	9.492	1255	1259	1262	rBV	18926	20822	2.43%	0.159%
15	9.522	1262	1264	1267	rVV2	11678	12675	1.48%	0.097%
16	9.551	1267	1269	1275	rVB3	12145	15265	1.78%	0.116%
17	9.610	1275	1279	1287	rVB3	9713	14655	1.71%	0.112%
18	9.698	1291	1294	1299	rBV2	23358	24401	2.85%	0.186%
19	9.833	1314	1317	1321	rBV2	778081	684096	79.88%	5.210%
20	9.869	1321	1323	1327	rVB	79619	62698	7.32%	0.478%
21	10.045	1348	1353	1356	rBV2	38491	37447	4.37%	0.285%
22	10.080	1356	1359	1362	rBV2	16325	14270	1.67%	0.109%
23	10.151	1368	1371	1374	rVB	15521	12528	1.46%	0.095%
24	10.257	1382	1389	1392	rBV4	17831	27046	3.16%	0.206%
25	10.386	1408	1411	1417	rVB	92758	82684	9.65%	0.630%
26	10.474	1424	1426	1428	rVB2	15645	12503	1.46%	0.095%
27	10.551	1436	1439	1445	rVB2	72499	65311	7.63%	0.497%
28	10.627	1449	1452	1457	rBV	219962	215522	25.17%	1.642%
29	10.733	1467	1470	1475	rBV3	31303	49416	5.77%	0.376%
30	10.939	1500	1505	1507	rBV2	26950	36195	4.23%	0.276%
31	10.963	1507	1509	1512	rVV2	18825	18522	2.16%	0.141%
32	11.016	1515	1518	1521	rVB3	15748	15361	1.79%	0.117%
33	11.063	1521	1526	1528	rBV4	15856	23440	2.74%	0.179%
34	11.180	1543	1546	1548	rBV	41455	34800	4.06%	0.265%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
 Data File : BF099816.D
 Acq On : 25 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6070-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-102017

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-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.210	1548	1551	1552	rVV	27352	24606	2.87%	0.187%
36	11.227	1552	1554	1558	rVB	40906	31643	3.69%	0.241%
37	11.327	1568	1571	1573	rBV	729201	655367	76.52%	4.992%
38	11.351	1573	1575	1579	rVB	543642	462706	54.03%	3.524%
39	11.410	1581	1585	1588	rBV	155943	146475	17.10%	1.116%
40	11.568	1607	1612	1616	rBV2	41401	59889	6.99%	0.456%
41	11.604	1616	1618	1623	rVB2	40183	40544	4.73%	0.309%
42	11.663	1623	1628	1633	rBV2	27417	33569	3.92%	0.256%
43	11.710	1633	1636	1638	rVB2	14193	15546	1.82%	0.118%
44	11.745	1638	1642	1645	rBV3	18611	25314	2.96%	0.193%
45	11.833	1654	1657	1659	rBV	87522	79705	9.31%	0.607%
46	11.863	1659	1662	1665	rVB	110198	98787	11.53%	0.752%
47	11.910	1667	1670	1673	rBV	48486	43468	5.08%	0.331%
48	11.945	1673	1676	1678	rVV	153502	148338	17.32%	1.130%
49	11.968	1678	1680	1685	rVB	63096	57260	6.69%	0.436%
50	12.015	1685	1688	1691	rBV2	52034	45581	5.32%	0.347%
51	12.127	1704	1707	1711	rBV	63014	58101	6.78%	0.443%
52	12.168	1711	1714	1717	rVB4	19833	22589	2.64%	0.172%
53	12.257	1727	1729	1731	rBV3	15617	14019	1.64%	0.107%
54	12.310	1735	1738	1740	rVB2	31007	23958	2.80%	0.182%
55	12.333	1740	1742	1744	rVB3	20865	18737	2.19%	0.143%
56	12.380	1747	1750	1751	rBV	79741	68483	8.00%	0.522%
57	12.398	1751	1753	1755	rVV2	90490	103978	12.14%	0.792%
58	12.439	1759	1760	1763	rVB	23685	17732	2.07%	0.135%
59	12.486	1763	1768	1769	rBV2	39517	57200	6.68%	0.436%
60	12.504	1769	1771	1775	rVB3	33949	32774	3.83%	0.250%
61	12.551	1775	1779	1782	rBV	795002	742277	86.67%	5.654%
62	12.586	1783	1785	1787	rBV3	17465	16177	1.89%	0.123%
63	12.615	1787	1790	1793	rBV3	16220	22133	2.58%	0.169%
64	12.645	1793	1795	1799	rVB4	20870	19452	2.27%	0.148%
65	12.698	1801	1804	1806	rBV2	48649	44507	5.20%	0.339%
66	12.721	1806	1808	1811	rVB4	21859	17548	2.05%	0.134%
67	12.780	1811	1818	1824	rBV	732195	809662	94.54%	6.167%
68	12.833	1824	1827	1830	rVB2	45288	46008	5.37%	0.350%
69	12.915	1834	1841	1844	rBV	384082	412466	48.16%	3.142%
70	13.004	1850	1856	1859	rBV3	53263	99242	11.59%	0.756%
71	13.039	1860	1862	1866	rVB3	20942	21887	2.56%	0.167%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
 Data File : BF099816.D
 Acq On : 25 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6070-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-102017

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-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.086	1866	1870	1871	rBV3	45202	54405	6.35%	0.414%
73	13.110	1871	1874	1876	rVV	123392	119982	14.01%	0.914%
74	13.133	1876	1878	1880	rVV	51971	40555	4.74%	0.309%
75	13.174	1882	1885	1887	rVV	112671	94488	11.03%	0.720%
76	13.210	1887	1891	1898	rVB3	67101	101396	11.84%	0.772%
77	13.304	1905	1907	1910	rBV	40879	35676	4.17%	0.272%
78	13.339	1910	1913	1919	rVB2	49475	67329	7.86%	0.513%
79	13.474	1933	1936	1940	rBV2	57309	59768	6.98%	0.455%
80	13.592	1954	1956	1959	rBV4	24948	27647	3.23%	0.211%
81	13.627	1959	1962	1965	rVV2	34427	36749	4.29%	0.280%
82	13.733	1975	1980	1982	rBV2	65787	87036	10.16%	0.663%
83	13.757	1982	1984	1986	rVV	60167	57011	6.66%	0.434%
84	13.786	1986	1989	1990	rVV	61239	65008	7.59%	0.495%
85	13.804	1990	1992	1995	rVV2	98295	99001	11.56%	0.754%
86	13.839	1996	1998	2004	rVB2	43781	50463	5.89%	0.384%
87	13.980	2017	2022	2025	rBV2	643993	856422	100.00%	6.523%
88	14.009	2025	2027	2031	rVB	289107	240105	28.04%	1.829%
89	14.092	2038	2041	2043	rBV	75988	64391	7.52%	0.490%
90	14.121	2044	2046	2048	rBV	45093	38550	4.50%	0.294%
91	14.427	2096	2098	2100	rBV	50900	41187	4.81%	0.314%
92	14.474	2103	2106	2108	rBV	36742	42242	4.93%	0.322%
93	14.498	2108	2110	2112	rBV	41463	45198	5.28%	0.344%
94	15.027	2196	2200	2203	rBV	265871	371766	43.41%	2.832%
95	15.139	2216	2219	2223	rVB	75845	78092	9.12%	0.595%
96	15.333	2248	2252	2256	rBV	143123	163697	19.11%	1.247%
97	15.398	2259	2263	2266	rBV	222375	261698	30.56%	1.993%
98	15.456	2269	2273	2276	rVB	296446	328003	38.30%	2.498%
99	16.945	2521	2526	2532	rVB	116538	228371	26.67%	1.739%
100	17.398	2598	2603	2609	rVB	66465	136581	15.95%	1.040%

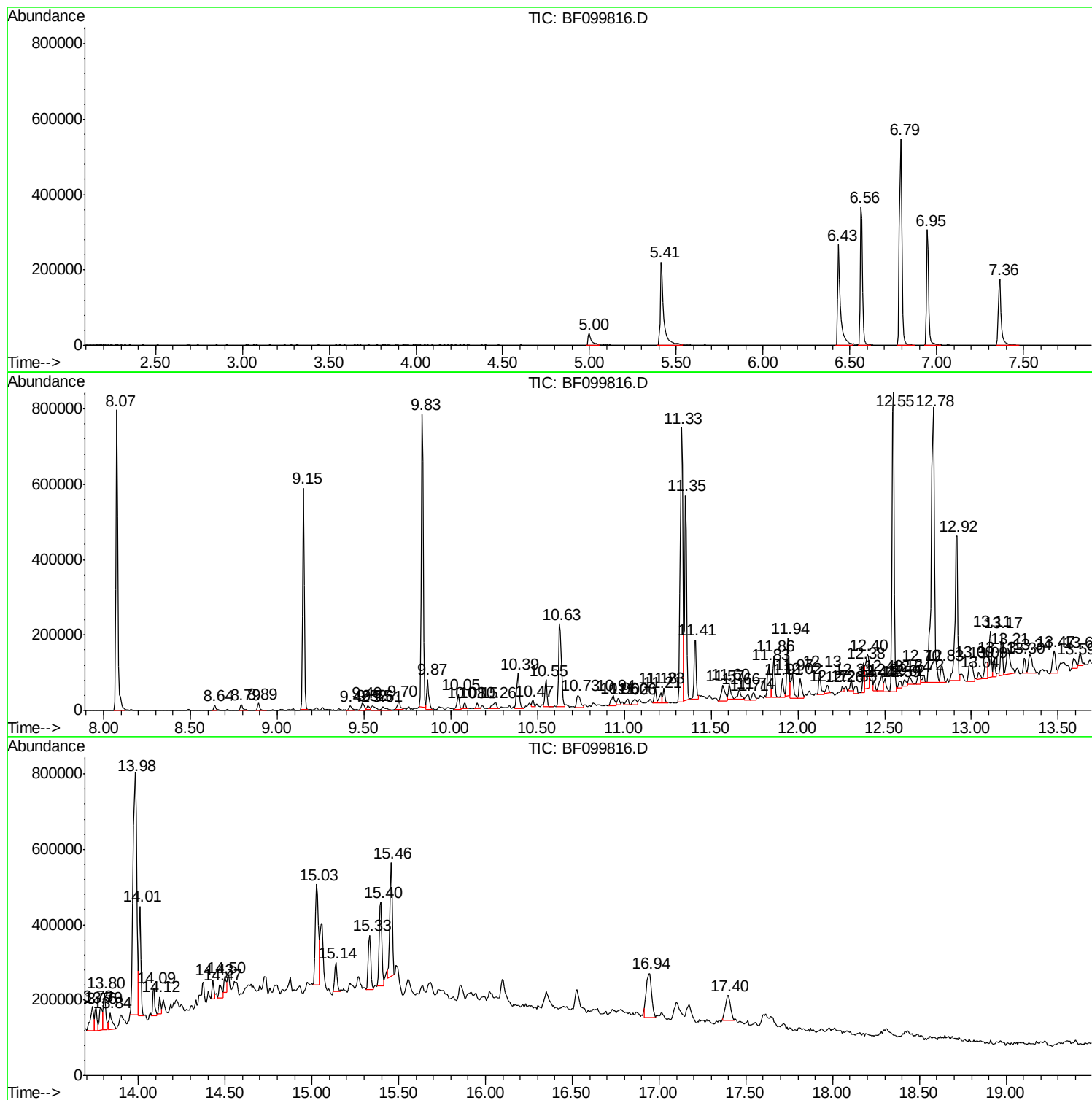
Sum of corrected areas: 13129402

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.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\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

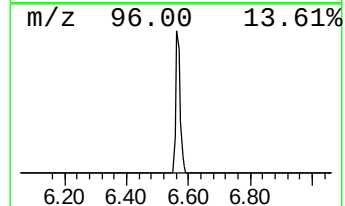
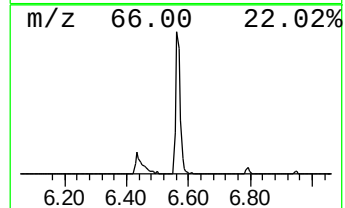
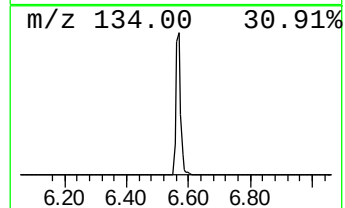
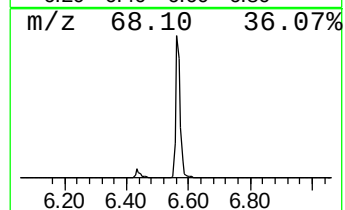
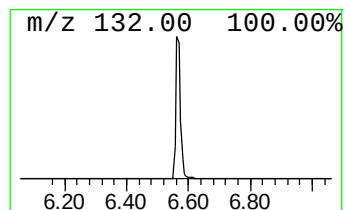
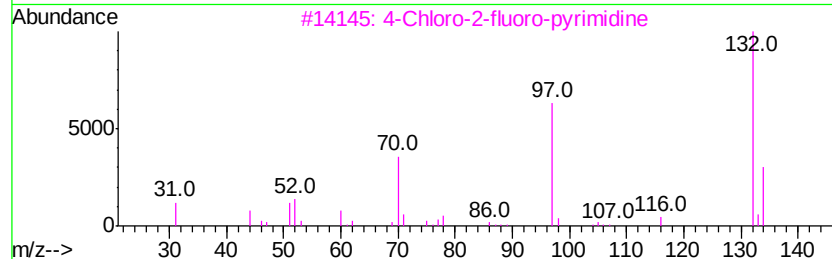
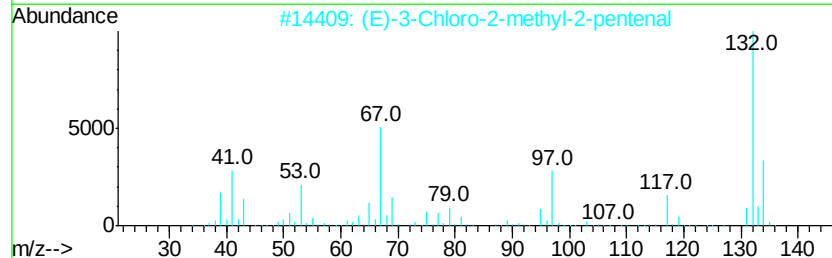
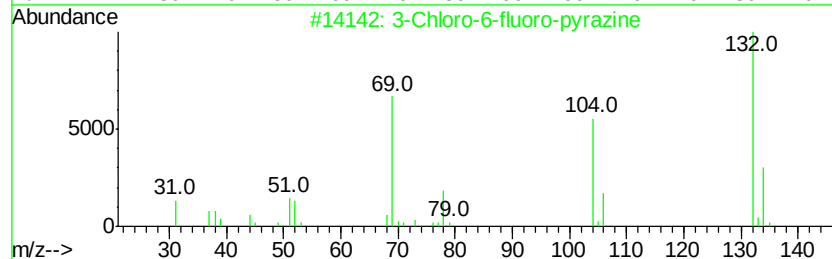
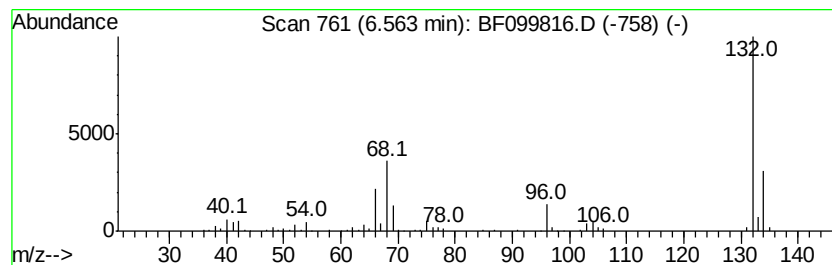
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	15.16 ng	353497	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

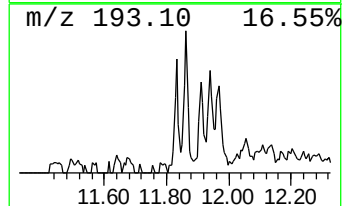
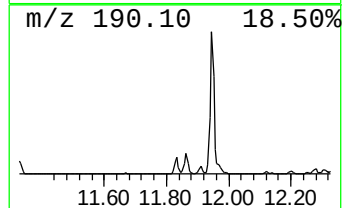
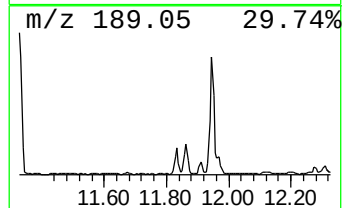
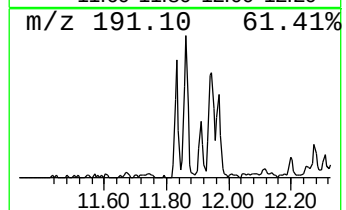
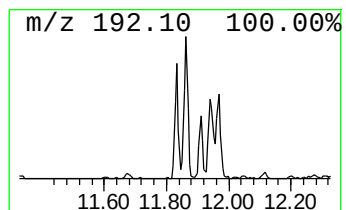
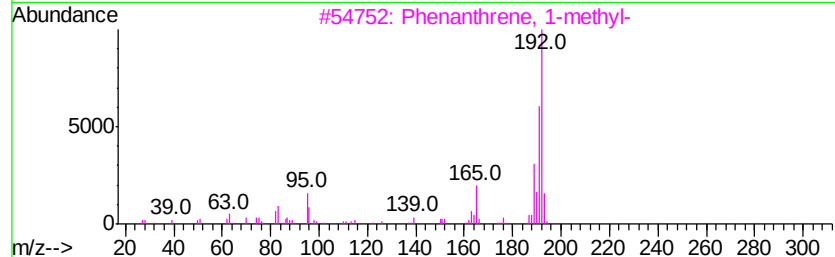
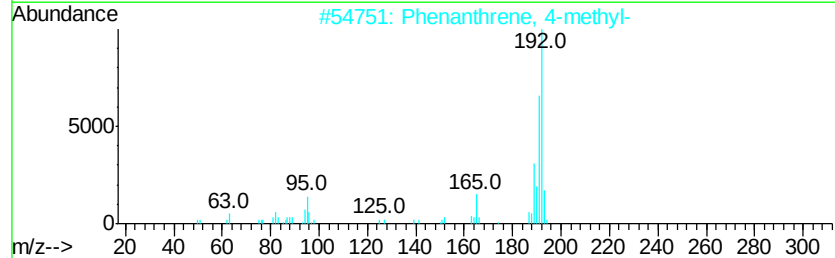
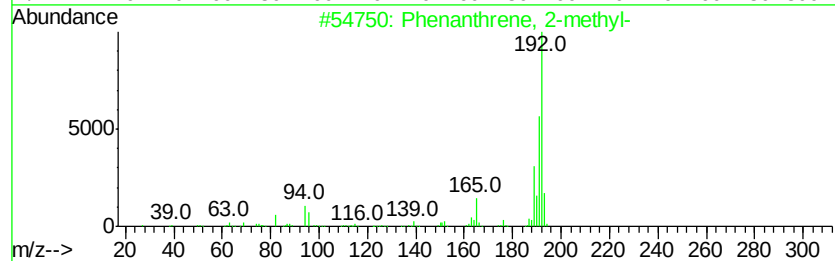
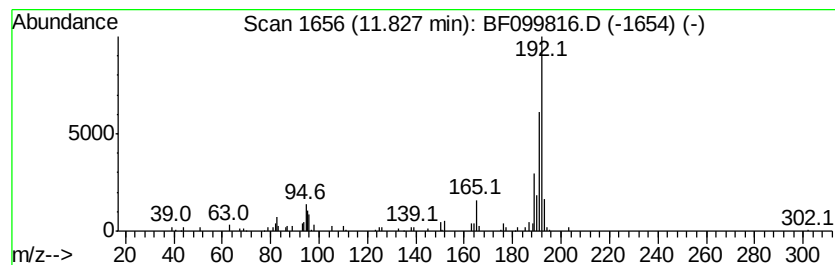
Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.83	2.43 ng	79705	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

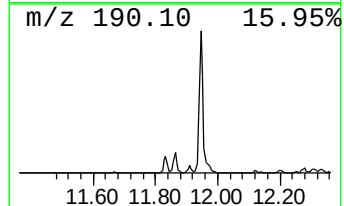
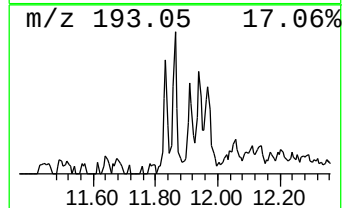
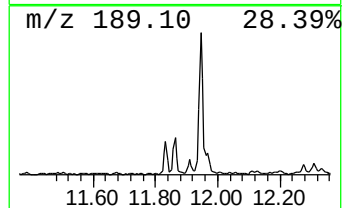
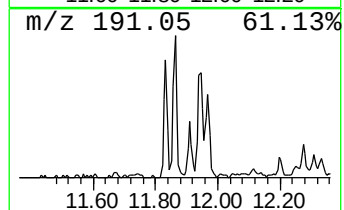
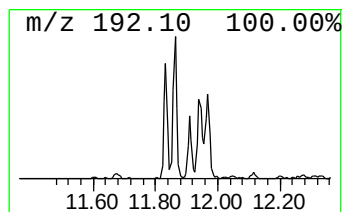
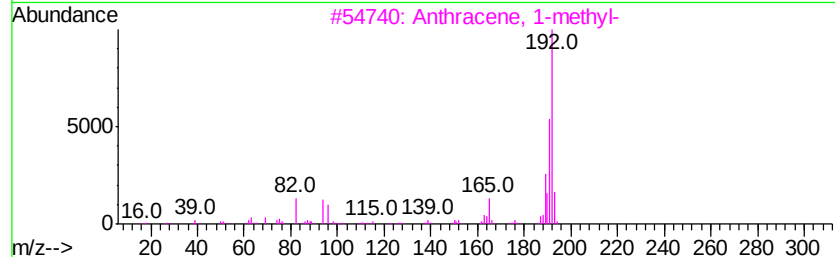
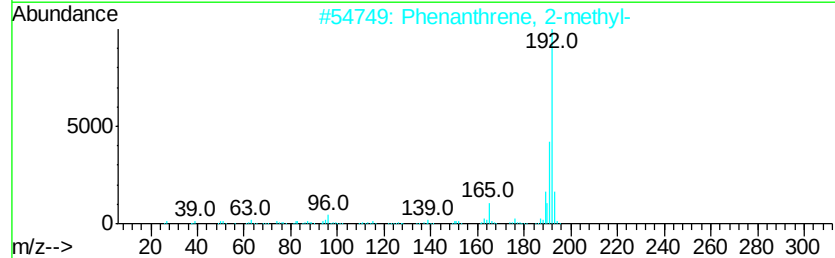
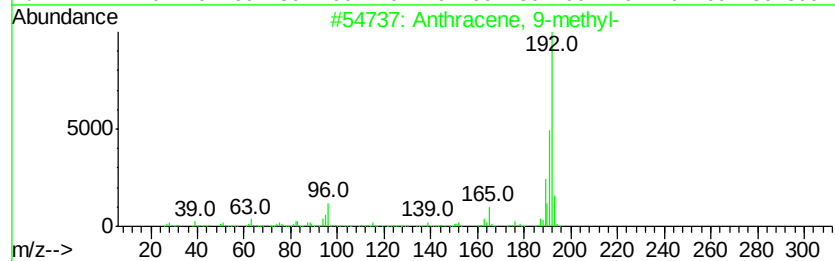
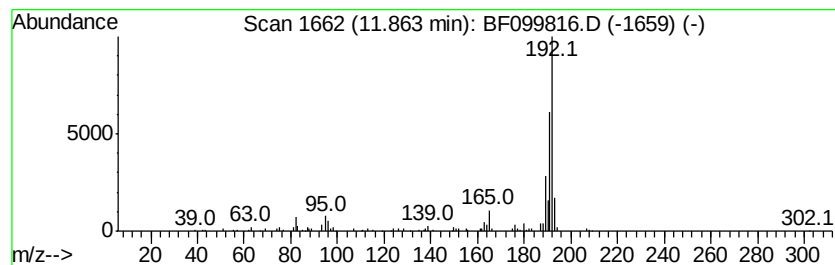
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.01 ng	98787	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

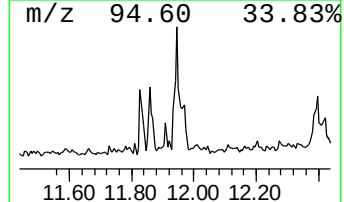
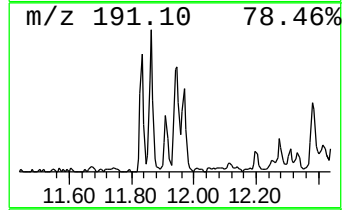
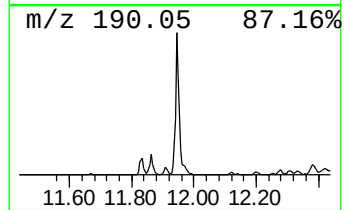
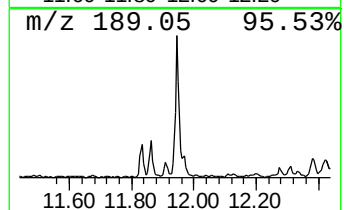
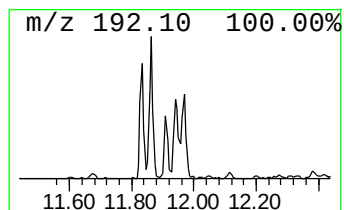
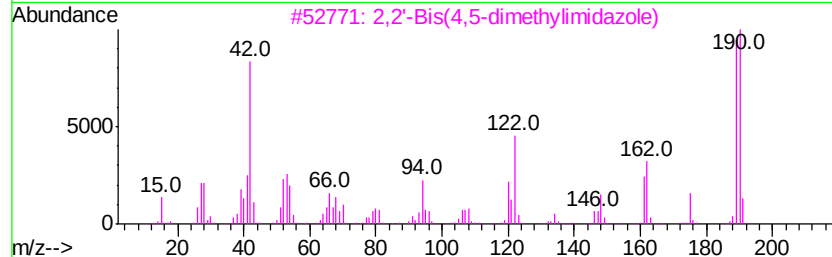
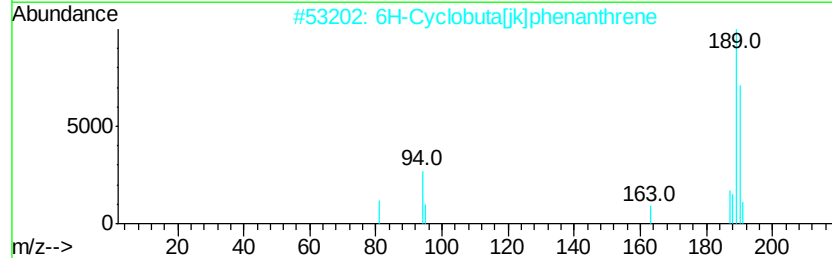
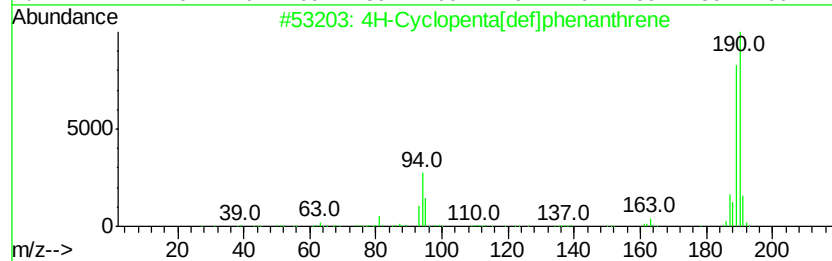
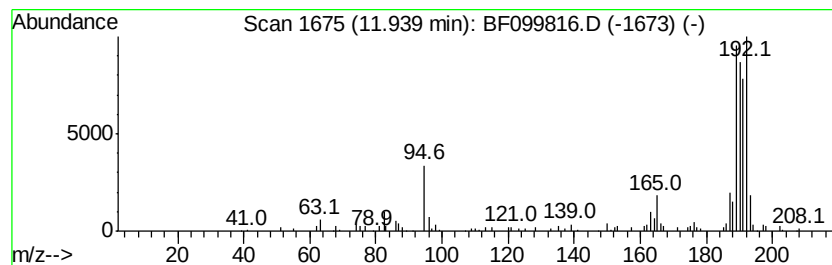
Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	4.53 ng	148338	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	32
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

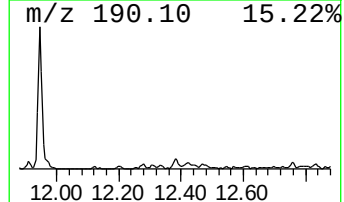
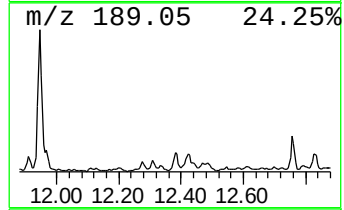
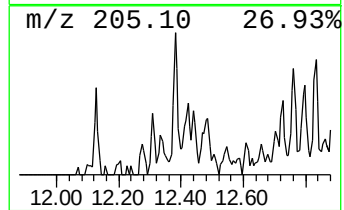
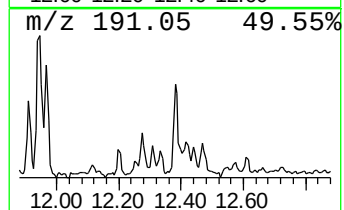
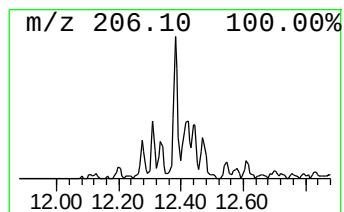
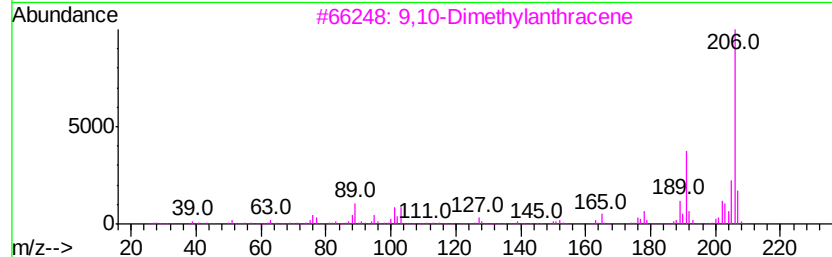
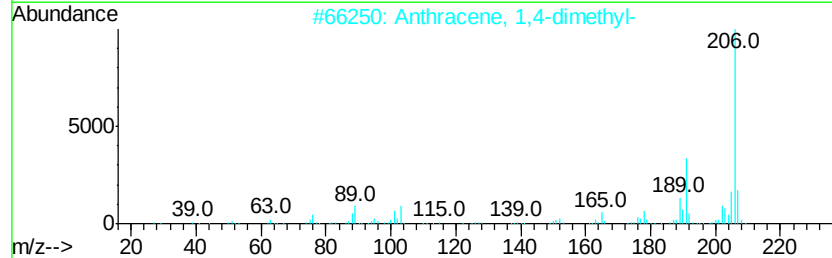
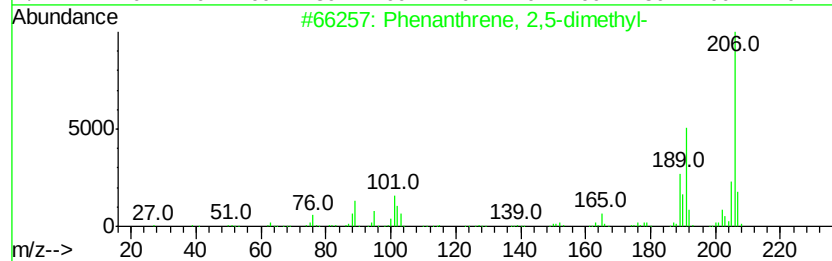
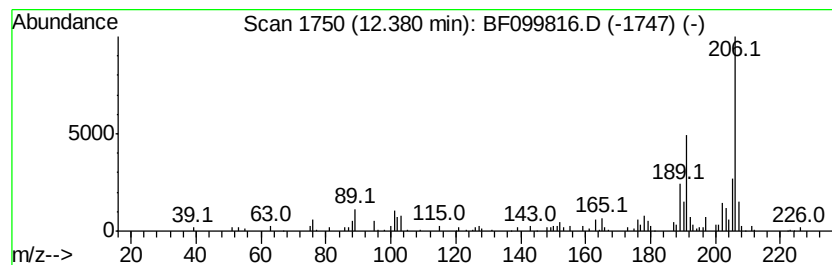
Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.38	2.09 ng	68483	Phenanthrene-d10		11.33		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

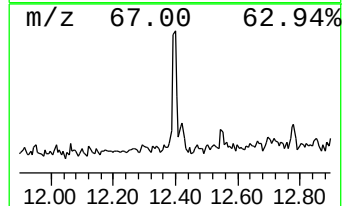
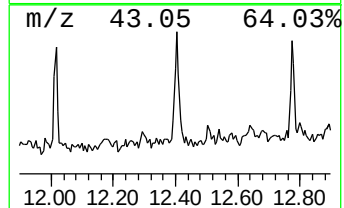
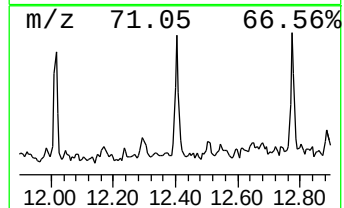
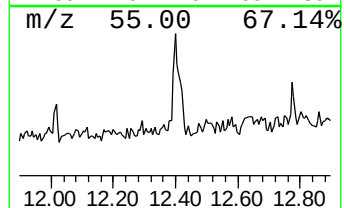
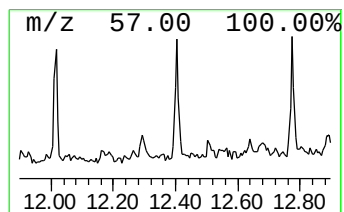
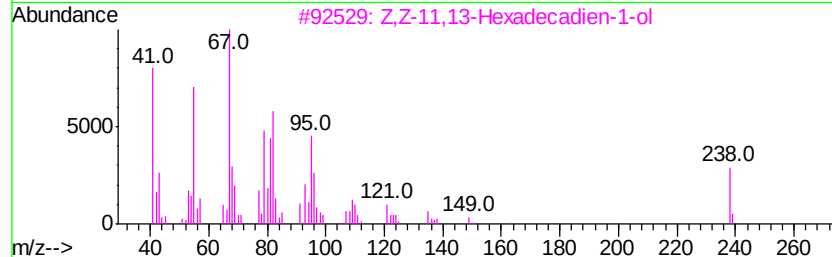
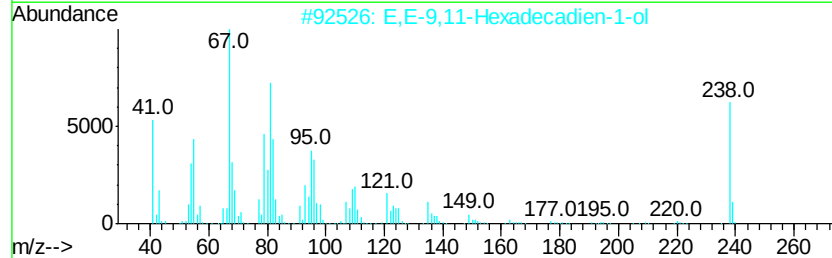
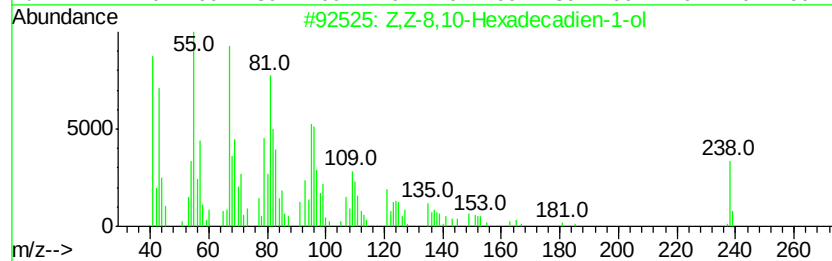
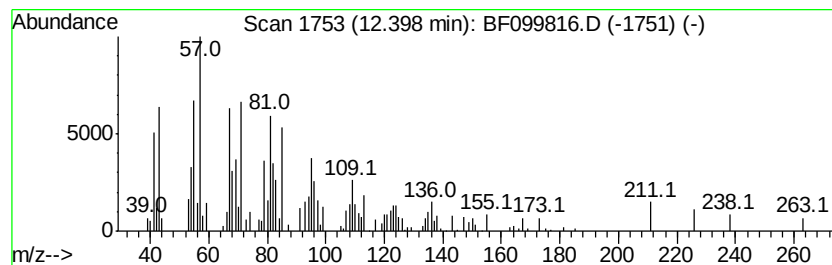
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Z,Z-8,10-Hexadecadien-1-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	3.17 ng	103978	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z,Z-8,10-Hexadecadien-1-ol	238	C16H30O	1000130-91-0	95
2		E,E-9,11-Hexadecadien-1-ol	238	C16H30O	1000130-90-2	60
3		Z,Z-11,13-Hexadecadien-1-ol	238	C16H30O	1000130-89-9	46
4		2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	46
5		Hexadecane	226	C16H34	000544-76-3	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

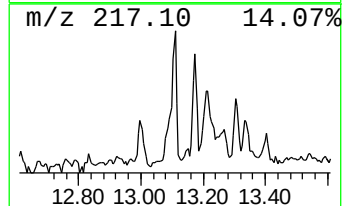
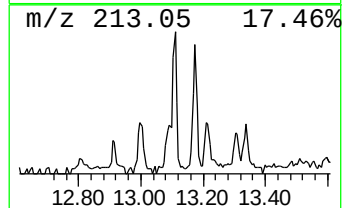
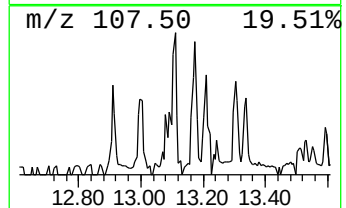
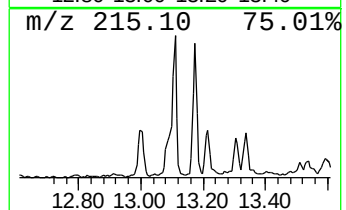
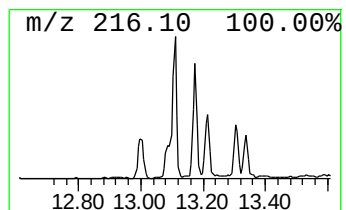
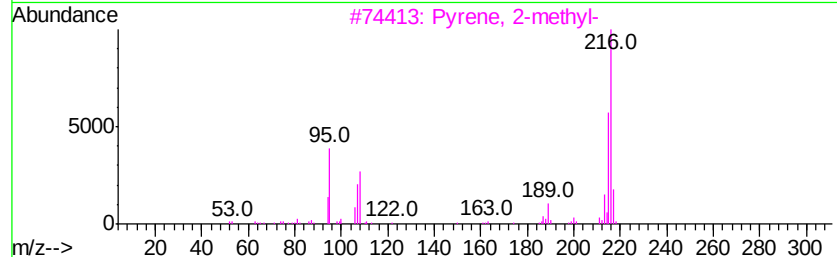
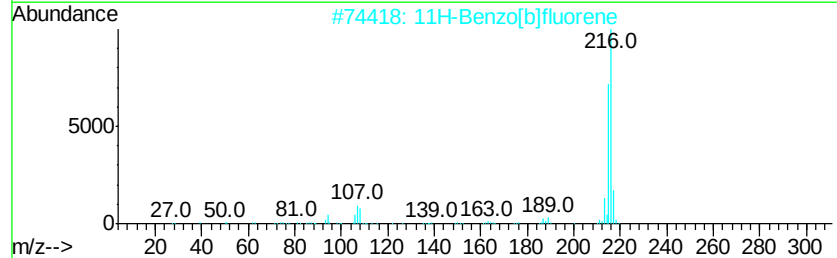
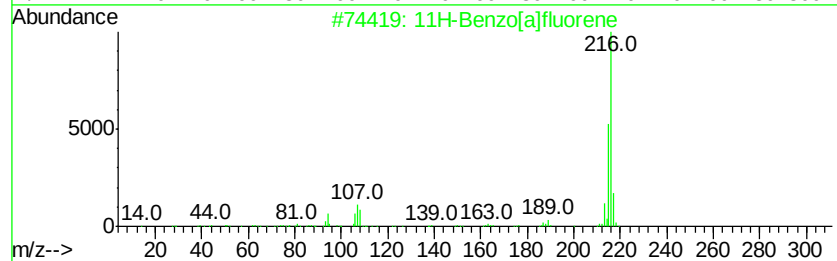
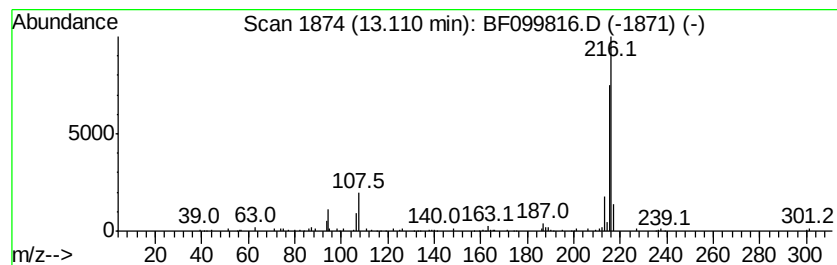
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.80 ng	119982	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		Pvrene, 2-methyl-	216	C17H12	003442-78-2	81
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	74
5		4-Hydroxy-6-methyl-1-pyridin-3-y...	216	C12H12N2O2	1000318-25-3	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

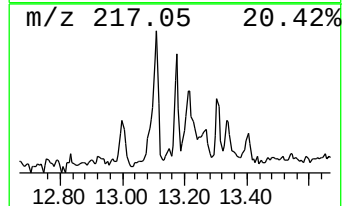
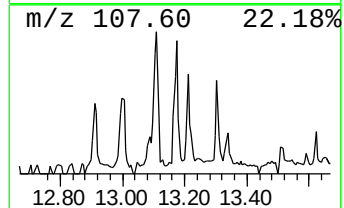
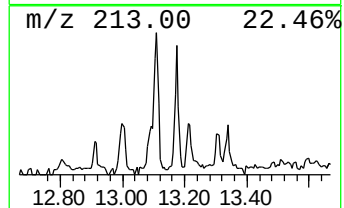
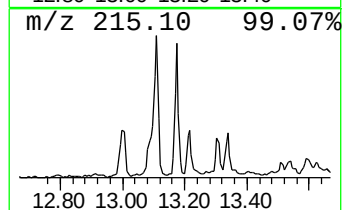
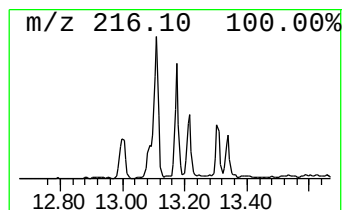
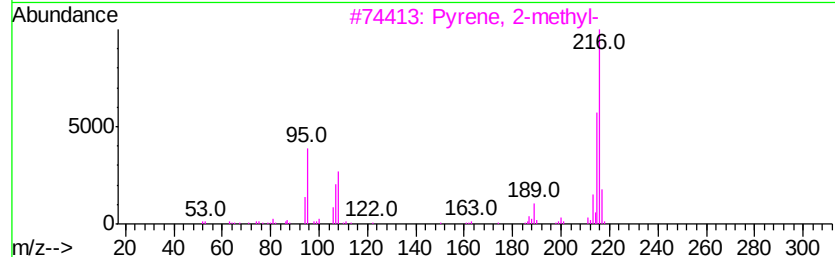
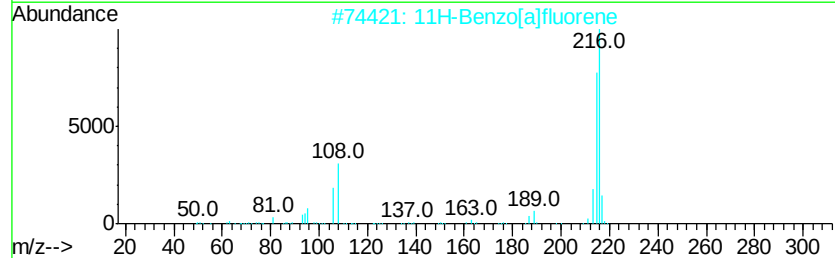
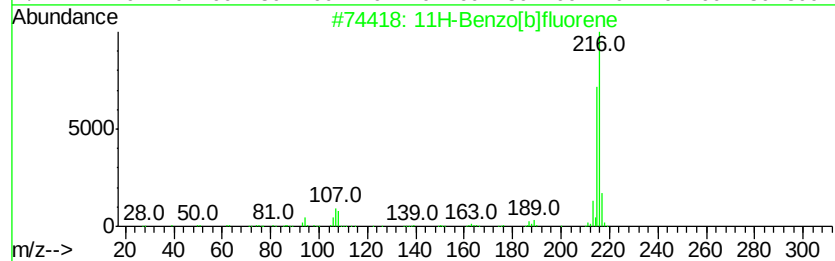
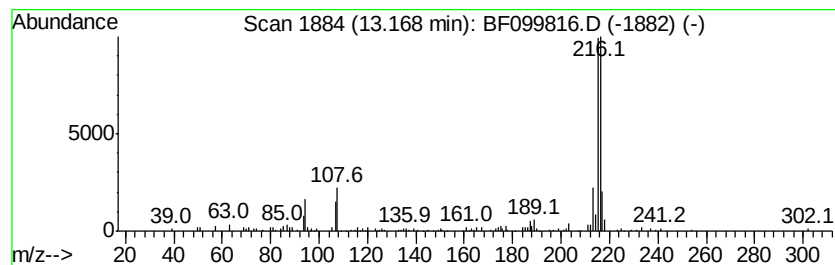
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.21 ng	94488	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pvrene, 2-methyl-	216	C17H12	003442-78-2	76
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5		Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

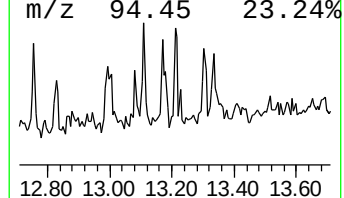
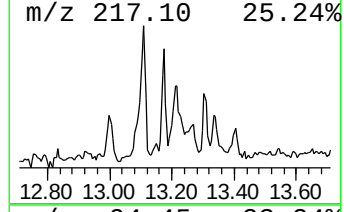
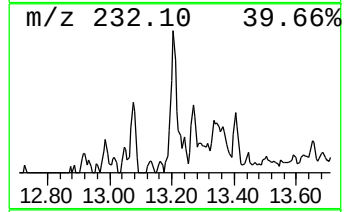
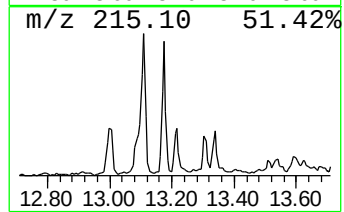
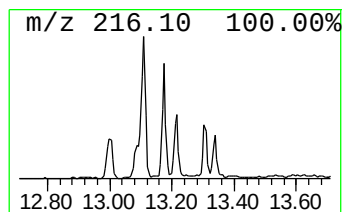
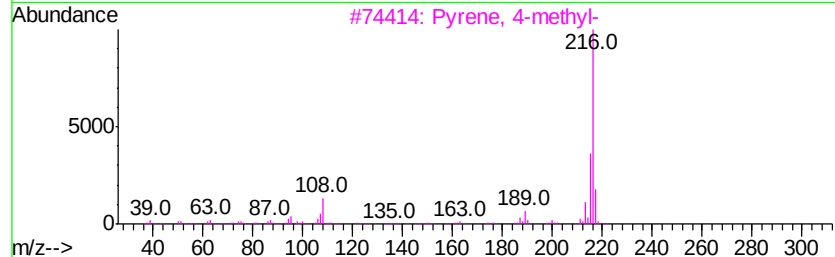
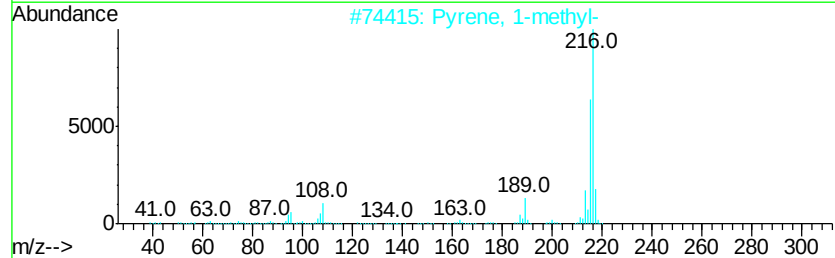
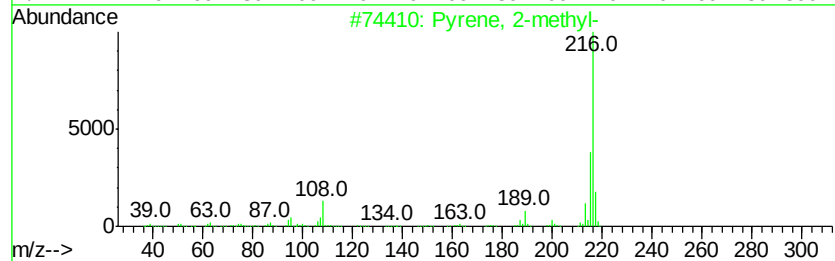
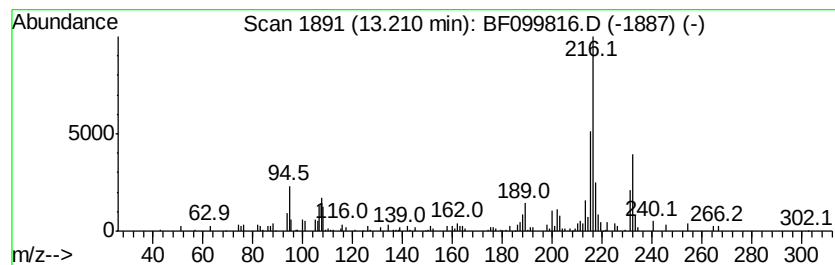
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.37 ng	101396	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	55
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	43
5		1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

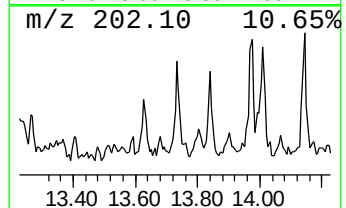
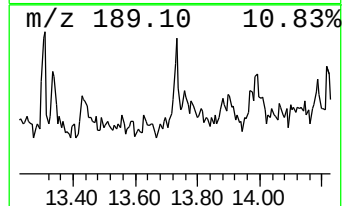
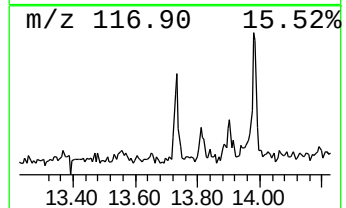
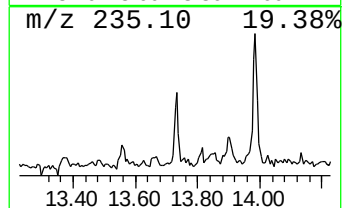
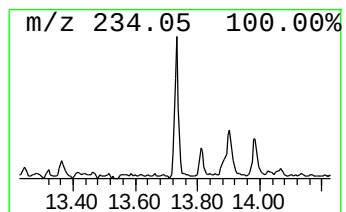
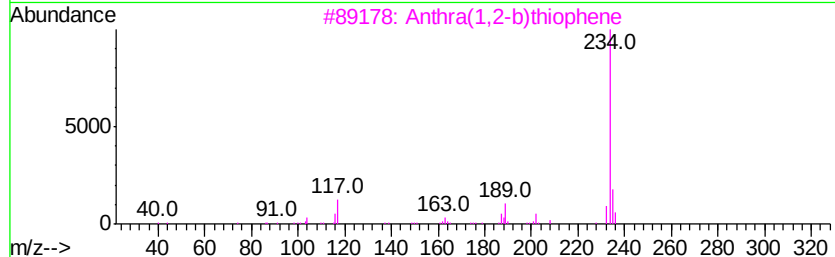
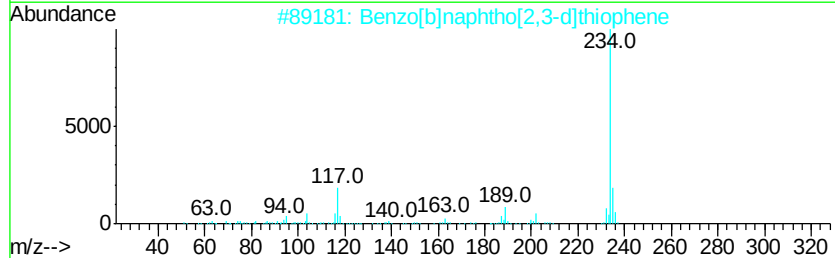
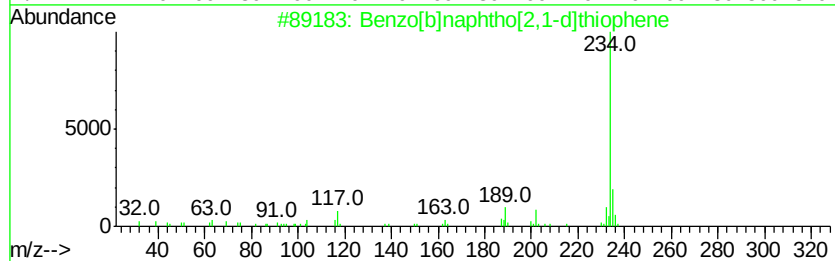
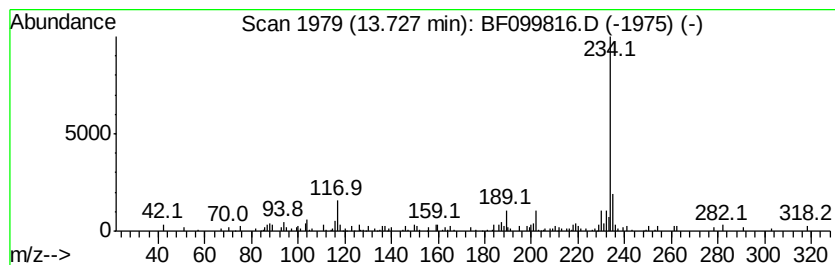
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.03 ng	87036	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
3		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	76
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
5		Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

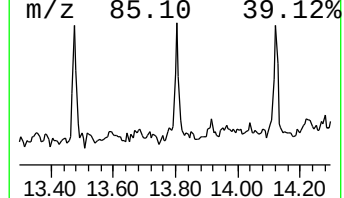
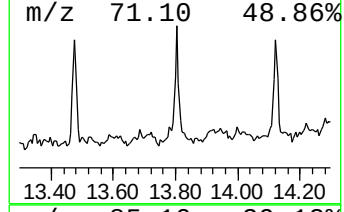
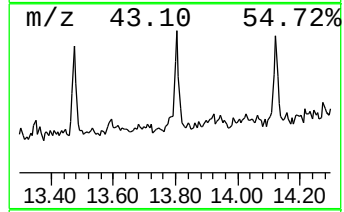
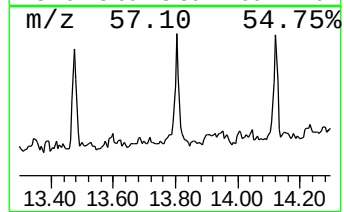
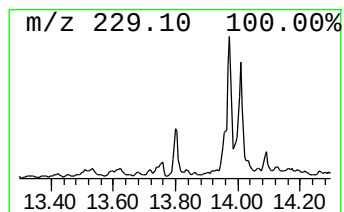
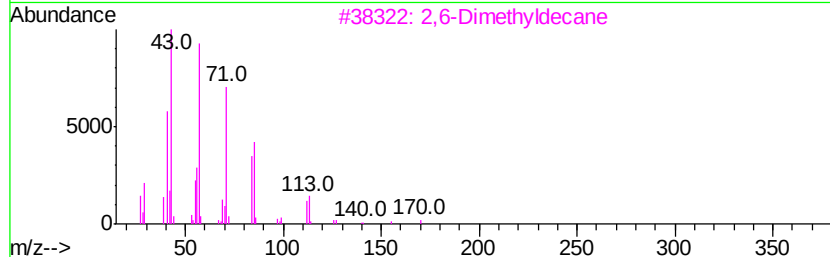
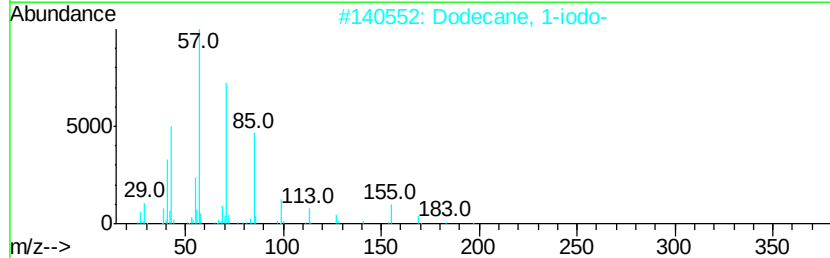
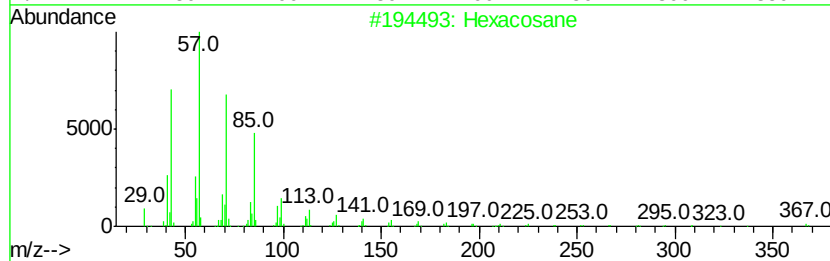
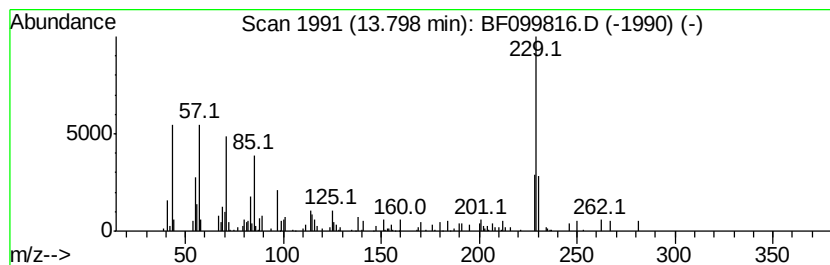
Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown13.80 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.80	2.31 ng	99001	Chrysene-d12	13.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	49
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	46
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	46
5	Dodecane	170	C12H26	000112-40-3	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

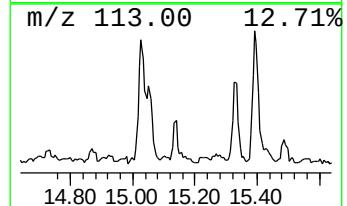
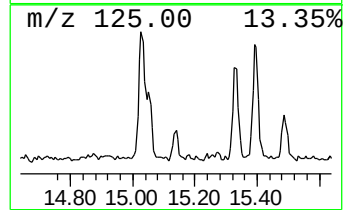
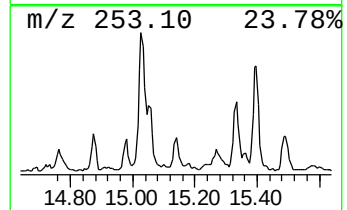
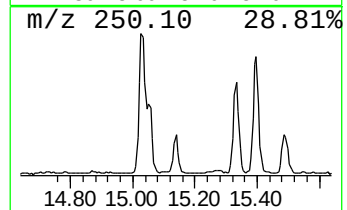
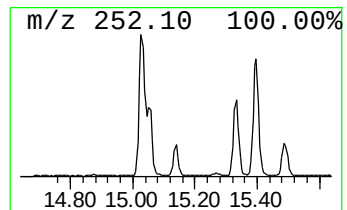
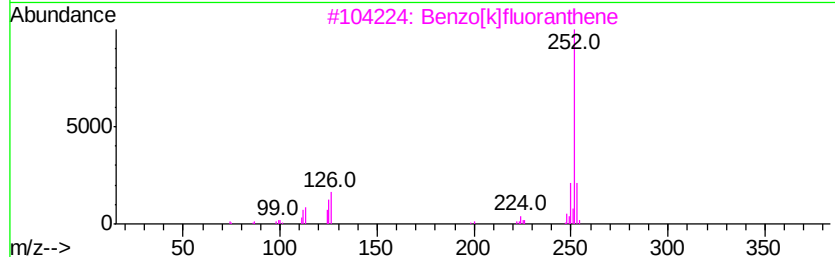
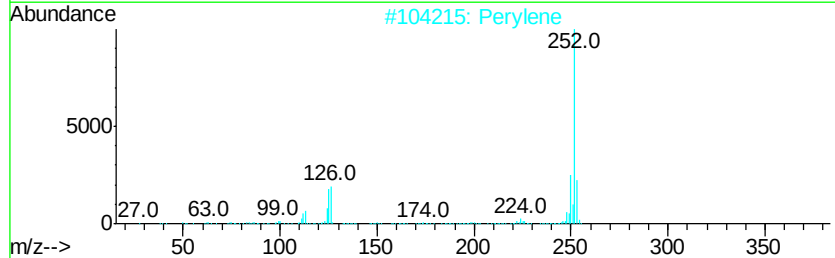
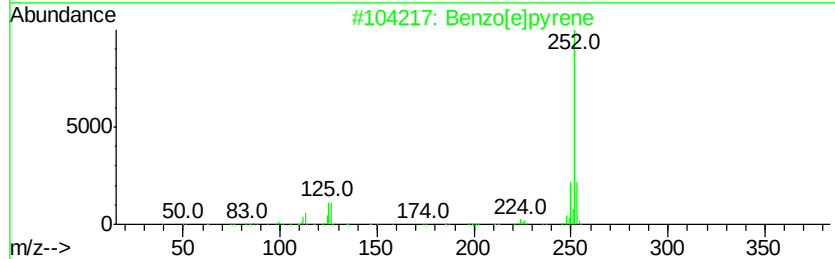
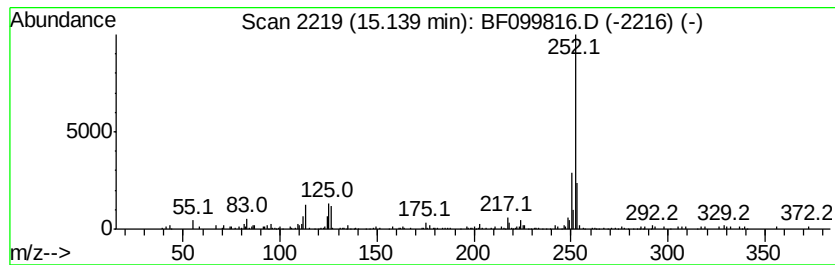
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	4.76 ng	78092	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102517\
 Data File : BF099816.D
 Acq On : 25 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6070-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-102017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
unknown6.56	6.56	15.2	ng	353497	1	6.79	466298	20.0
Phenanthrene, 2-m...	11.83	2.4	ng	79705	4	11.33	655367	20.0
Anthracene, 9-met...	11.86	3.0	ng	98787	4	11.33	655367	20.0
4H-Cyclopenta[def...	11.94	4.5	ng	148338	4	11.33	655367	20.0
Phenanthrene, 2,5...	12.38	2.1	ng	68483	4	11.33	655367	20.0
Z,Z-8,10-Hexadeca...	12.40	3.2	ng	103978	4	11.33	655367	20.0
11H-Benzo[a]fluorene	13.11	2.8	ng	119982	5	13.98	856422	20.0
11H-Benzo[b]fluorene	13.17	2.2	ng	94488	5	13.98	856422	20.0
Pyrene, 2-methyl-	13.21	2.4	ng	101396	5	13.98	856422	20.0
Benzo[b]naphtho[2...	13.73	2.0	ng	87036	5	13.98	856422	20.0
unknown13.80	13.80	2.3	ng	99001	5	13.98	856422	20.0
Benzo[e]pyrene	15.14	4.8	ng	78092	6	15.46	328003	20.0