

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104643.D
 Acq On : 19 Apr 2018 22:04
 Operator : JU/SJ
 Sample : J2439-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMF-B3-15-17

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-BF040618.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	5.022	494	499	508	rBV	98804	132247	4.79%	0.332%
2	5.422	563	567	571	rBV	2593248	2698788	97.75%	6.769%
3	6.445	736	741	753	rBV	2599936	2755467	99.80%	6.911%
4	6.575	759	763	766	rBV	2948827	2760882	100.00%	6.924%
5	6.804	798	802	805	rBV	1066797	853666	30.92%	2.141%
6	6.957	824	828	832	rBV	2224712	2092247	75.78%	5.247%
7	7.369	893	898	901	rBV	1842811	1700730	61.60%	4.265%
8	8.086	1016	1020	1023	rBV	1332974	1073739	38.89%	2.693%
9	9.163	1199	1203	1206	rBV	2941806	2472957	89.57%	6.202%
10	9.498	1256	1260	1263	rBV2	40130	46223	1.67%	0.116%
11	9.557	1267	1270	1277	rVB	319927	276724	10.02%	0.694%
12	9.616	1277	1280	1282	rBV	34960	28404	1.03%	0.071%
13	9.704	1292	1295	1299	rBV	41203	39469	1.43%	0.099%
14	9.769	1302	1306	1310	rVB	87390	71457	2.59%	0.179%
15	9.845	1310	1319	1322	rBV	1166368	1123885	40.71%	2.819%
16	9.875	1322	1324	1327	rVB2	63438	51658	1.87%	0.130%
17	9.945	1332	1336	1340	rBV3	27220	42365	1.53%	0.106%
18	9.998	1340	1345	1348	rBV3	47083	60971	2.21%	0.153%
19	10.045	1348	1353	1356	rVV3	53444	71122	2.58%	0.178%
20	10.086	1356	1360	1364	rVB2	61753	63479	2.30%	0.159%
21	10.157	1369	1372	1375	rBV	48744	46482	1.68%	0.117%
22	10.186	1375	1377	1379	rVV	49005	35441	1.28%	0.089%
23	10.245	1383	1387	1389	rBV2	48531	69434	2.51%	0.174%
24	10.269	1389	1391	1394	rVB	136962	104265	3.78%	0.262%
25	10.386	1408	1411	1417	rVB2	126487	134318	4.87%	0.337%
26	10.457	1417	1423	1424	rBV	90323	127838	4.63%	0.321%
27	10.475	1424	1426	1429	rVV2	112680	120128	4.35%	0.301%
28	10.539	1433	1437	1444	rVB5	56208	110616	4.01%	0.277%
29	10.633	1449	1453	1457	rVV	1620368	1419158	51.40%	3.559%
30	10.739	1468	1471	1477	rBV3	127228	162561	5.89%	0.408%
31	10.939	1499	1505	1507	rBV3	153429	217437	7.88%	0.545%
32	10.969	1507	1510	1513	rVV3	162098	206158	7.47%	0.517%
33	11.022	1516	1519	1522	rVB	122551	105402	3.82%	0.264%
34	11.051	1522	1524	1527	rBV2	63787	81173	2.94%	0.204%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
 Data File : BF104643.D
 Acq On : 19 Apr 2018 22:04
 Operator : JU/SJ
 Sample : J2439-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMP-B3-15-17

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-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.086	1527	1530	1534	rVV3	91627	105694	3.83%	0.265%
36	11.133	1534	1538	1541	rVB4	34247	42576	1.54%	0.107%
37	11.186	1541	1547	1551	rBV4	92863	143049	5.18%	0.359%
38	11.227	1551	1554	1565	rVB	138253	178589	6.47%	0.448%
39	11.333	1568	1572	1574	rBV	1003952	973322	35.25%	2.441%
40	11.357	1574	1576	1579	rVV	1516719	1142128	41.37%	2.865%
41	11.404	1582	1584	1587	rVV	459328	395377	14.32%	0.992%
42	11.439	1587	1590	1593	rVV2	82786	115957	4.20%	0.291%
43	11.486	1596	1598	1603	rVV3	53082	85171	3.08%	0.214%
44	11.563	1607	1611	1618	rVV5	58087	150655	5.46%	0.378%
45	11.627	1619	1622	1624	rVV2	55596	59719	2.16%	0.150%
46	11.663	1624	1628	1636	rVV2	150127	178123	6.45%	0.447%
47	11.745	1639	1642	1647	rBV	79231	98410	3.56%	0.247%
48	11.833	1653	1657	1659	rBV	611110	510663	18.50%	1.281%
49	11.863	1659	1662	1666	rVB	731145	645259	23.37%	1.618%
50	11.910	1666	1670	1673	rBV	350374	318626	11.54%	0.799%
51	11.945	1673	1676	1678	rVV2	698429	752353	27.25%	1.887%
52	11.969	1678	1680	1684	rVB	480232	377810	13.68%	0.948%
53	12.027	1686	1690	1693	rBV4	30067	50488	1.83%	0.127%
54	12.069	1694	1697	1699	rVB2	70106	63034	2.28%	0.158%
55	12.110	1701	1704	1705	rBV3	49168	54844	1.99%	0.138%
56	12.127	1705	1707	1710	rVB	193404	147285	5.33%	0.369%
57	12.204	1717	1720	1723	rBV	68566	54792	1.98%	0.137%
58	12.257	1727	1729	1730	rBV2	63178	52802	1.91%	0.132%
59	12.280	1730	1733	1735	rVV	137123	131247	4.75%	0.329%
60	12.310	1735	1738	1740	rVV	136335	116757	4.23%	0.293%
61	12.333	1740	1742	1745	rVB	101733	79255	2.87%	0.199%
62	12.386	1747	1751	1753	rBV	398695	429270	15.55%	1.077%
63	12.421	1753	1757	1759	rVV	261616	353774	12.81%	0.887%
64	12.469	1762	1765	1770	rBV2	142745	225870	8.18%	0.566%
65	12.545	1775	1778	1781	rBV	917507	824305	29.86%	2.067%
66	12.592	1783	1786	1787	rVV2	73692	75917	2.75%	0.190%
67	12.610	1787	1789	1792	rVV2	91007	84985	3.08%	0.213%
68	12.669	1796	1799	1802	rBV3	23642	30052	1.09%	0.075%
69	12.704	1802	1805	1807	rBV2	58943	67086	2.43%	0.168%
70	12.727	1807	1809	1812	rVB2	82764	65592	2.38%	0.165%
71	12.780	1812	1818	1823	rBV	1082763	1398263	50.65%	3.507%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.833	1823	1827	1830	rVB2	117907	149116	5.40%	0.374%
73	12.868	1830	1833	1834	rBV3	35218	39801	1.44%	0.100%
74	12.916	1838	1841	1848	rVB	1744737	1807860	65.48%	4.534%
75	12.992	1851	1854	1861	rBV2	171580	243478	8.82%	0.611%
76	13.051	1861	1864	1866	rBV2	55655	48655	1.76%	0.122%
77	13.080	1866	1869	1870	rVV2	129130	123702	4.48%	0.310%
78	13.104	1870	1873	1876	rVB	289808	278621	10.09%	0.699%
79	13.168	1881	1884	1887	rBV	239731	208468	7.55%	0.523%
80	13.210	1887	1891	1893	rVV	246770	214173	7.76%	0.537%
81	13.233	1893	1895	1898	rVB3	64892	67918	2.46%	0.170%
82	13.304	1903	1907	1909	rBV	177695	165119	5.98%	0.414%
83	13.333	1909	1912	1915	rVB	201301	164968	5.98%	0.414%
84	13.586	1952	1955	1958	rBV3	78494	115105	4.17%	0.289%
85	13.727	1974	1979	1981	rBV3	88930	129695	4.70%	0.325%
86	13.751	1981	1983	1986	rVV	119994	110998	4.02%	0.278%
87	13.810	1990	1993	1999	rVB2	198596	241682	8.75%	0.606%
88	13.974	2016	2021	2024	rBV2	988866	1331999	48.25%	3.341%
89	14.004	2024	2026	2033	rVB	505617	426281	15.44%	1.069%
90	14.080	2037	2039	2042	rVB	72477	59806	2.17%	0.150%
91	14.327	2079	2081	2083	rBV	61416	53253	1.93%	0.134%
92	14.363	2083	2087	2091	rVV	177541	229415	8.31%	0.575%
93	14.398	2091	2093	2096	rVB	106703	82499	2.99%	0.207%
94	14.445	2098	2101	2102	rVV2	72686	80658	2.92%	0.202%
95	14.492	2106	2109	2111	rBV	79072	76939	2.79%	0.193%
96	14.821	2162	2165	2168	rVB2	74624	72512	2.63%	0.182%
97	15.015	2194	2198	2206	rBV	176570	321442	11.64%	0.806%
98	15.315	2246	2249	2255	rVB	128377	144329	5.23%	0.362%
99	15.374	2256	2259	2265	rVV	205381	251753	9.12%	0.631%
100	15.439	2266	2270	2282	rVB	482305	695550	25.19%	1.744%

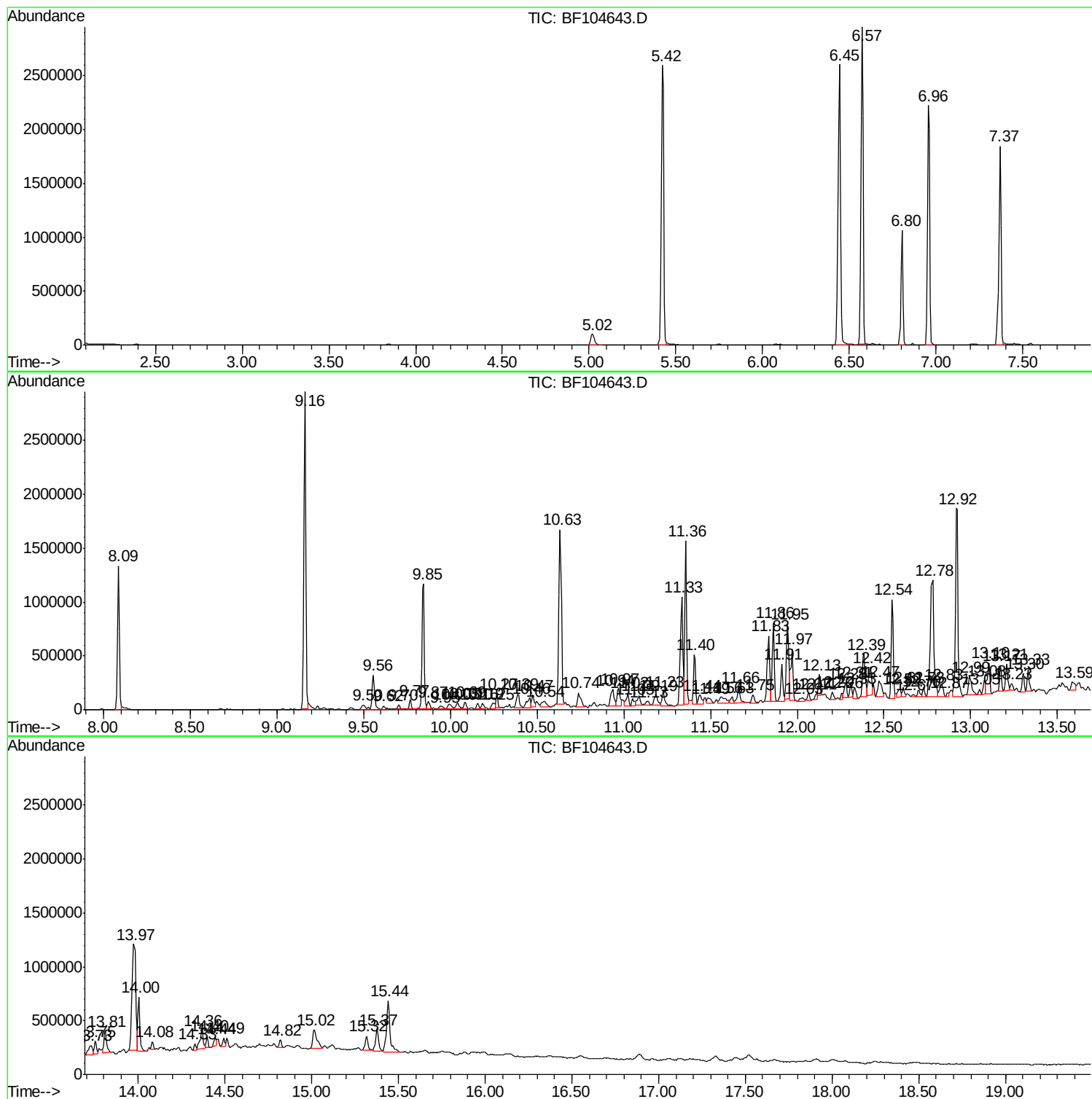
Sum of corrected areas: 39871785

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

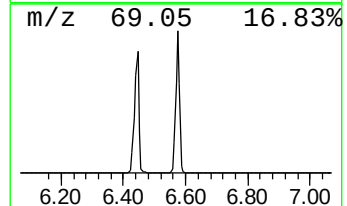
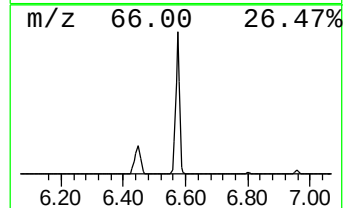
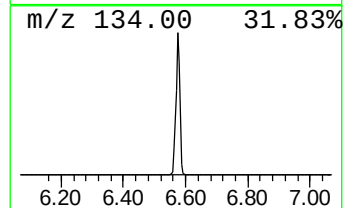
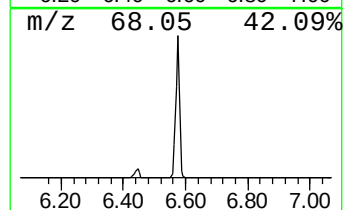
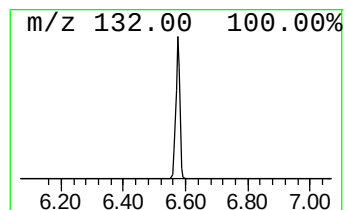
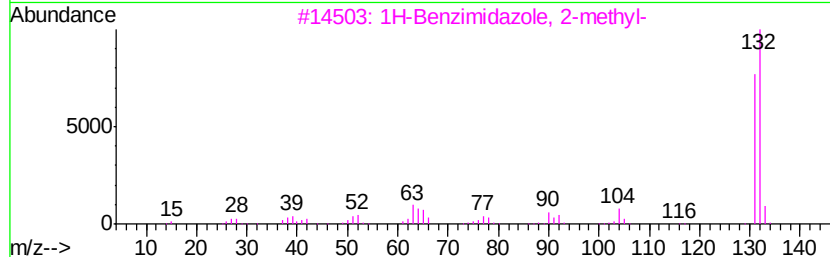
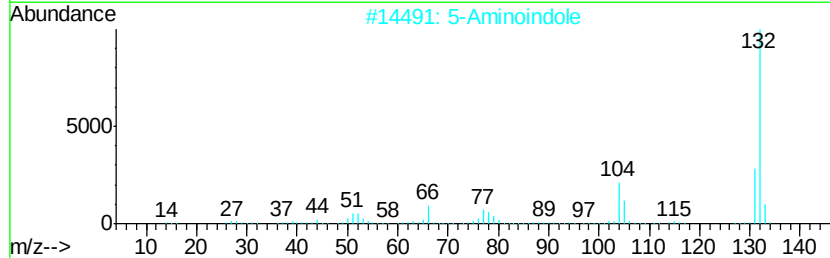
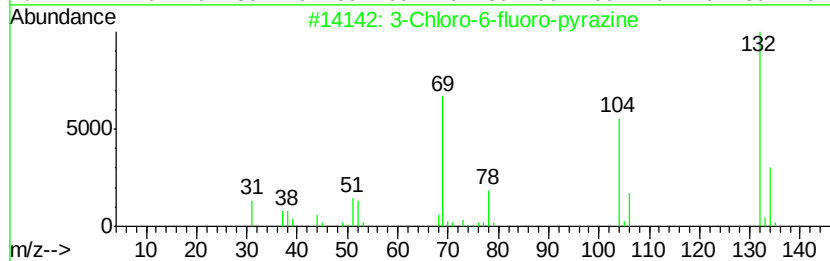
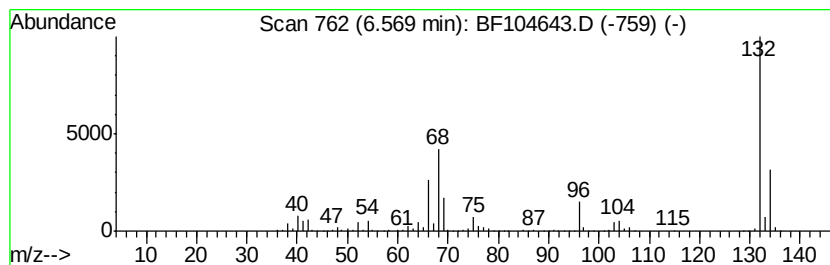
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	64.68 ng	2760880	1,4-Dichlorobenzene-d4	6.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

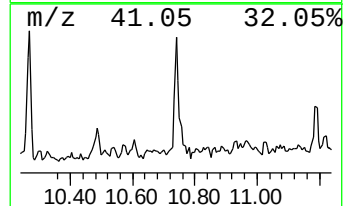
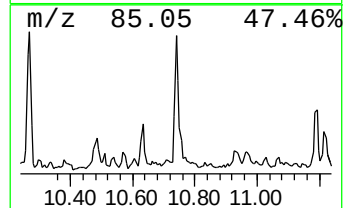
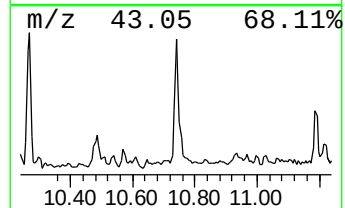
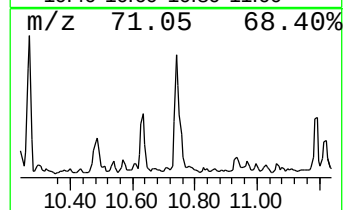
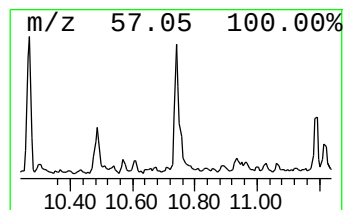
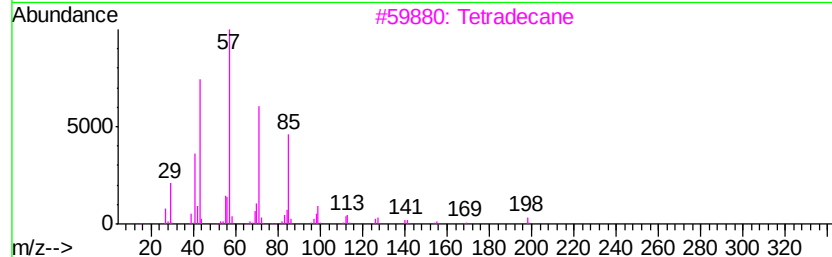
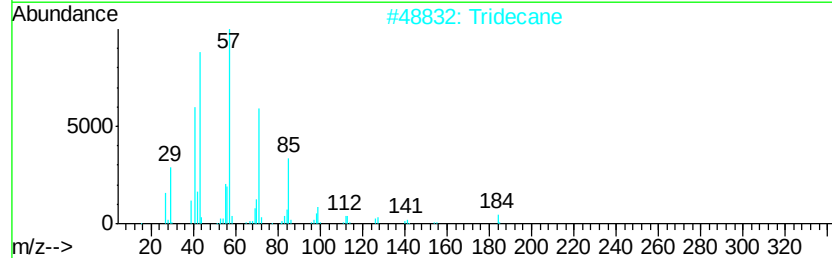
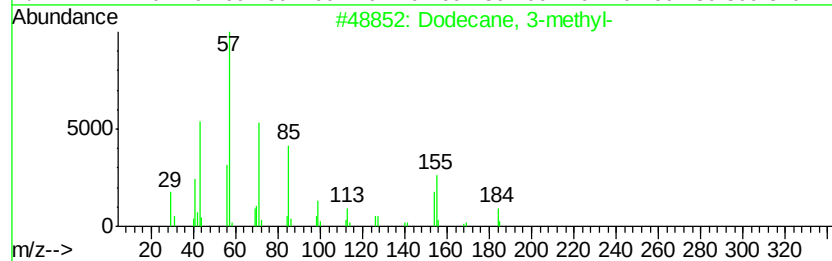
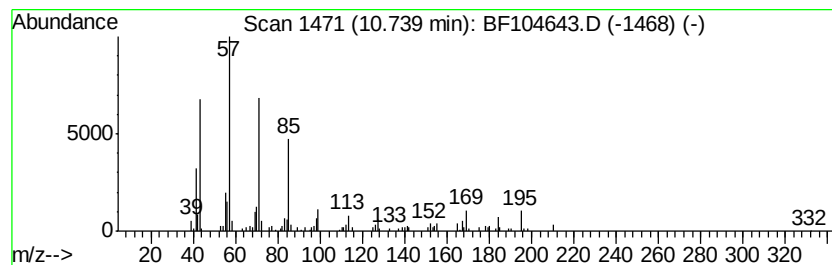
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Dodecane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	3.34 ng	162561	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	81
2		Tridecane	184	C13H28	000629-50-5	81
3		Tetradecane	198	C14H30	000629-59-4	76
4		Dodecane	170	C12H26	000112-40-3	76
5		Pentadecane	212	C15H32	000629-62-9	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

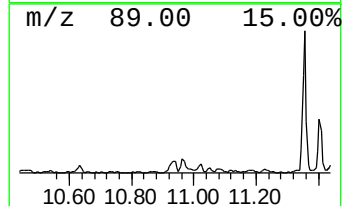
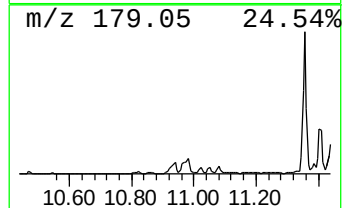
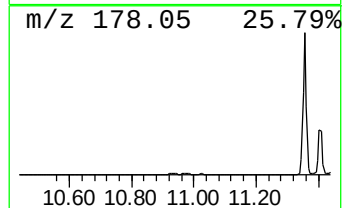
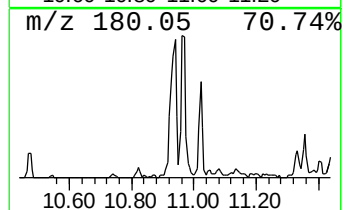
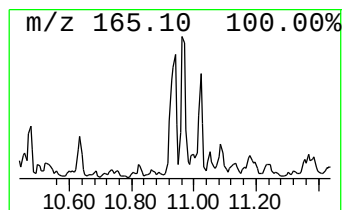
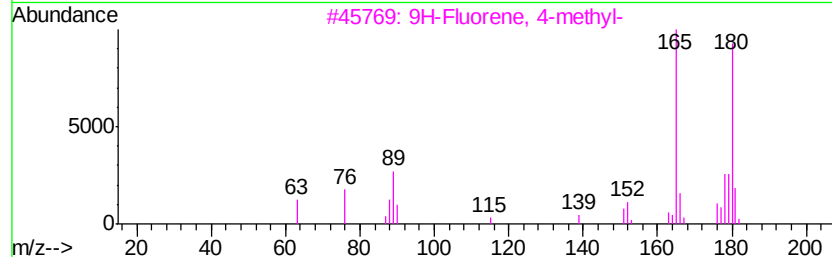
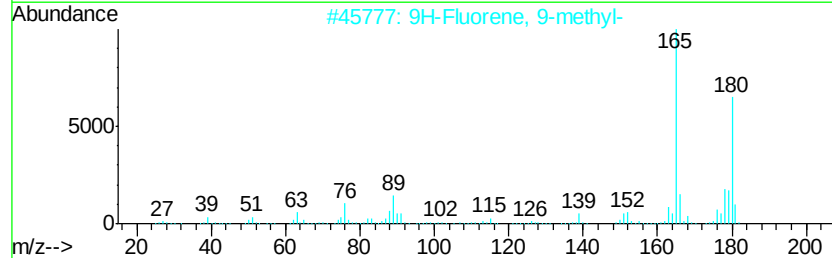
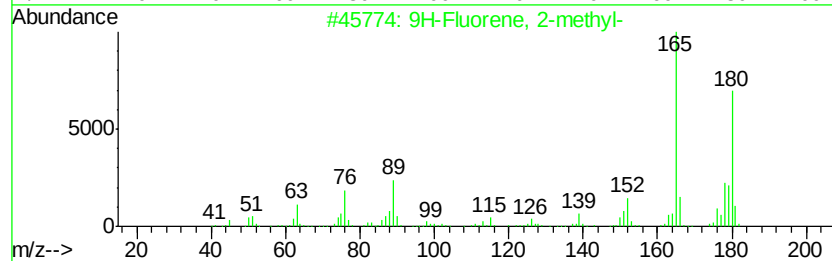
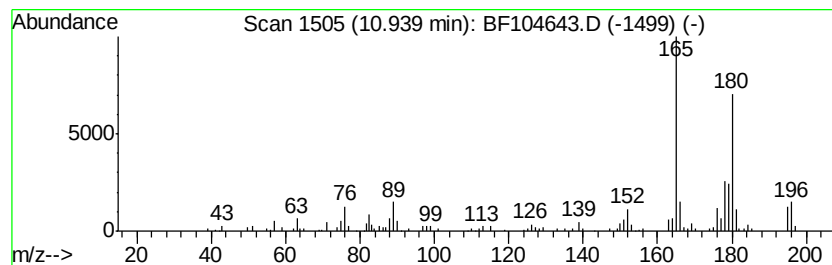
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	4.47 ng	217437	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	96
3			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93
4			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

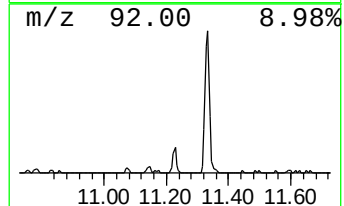
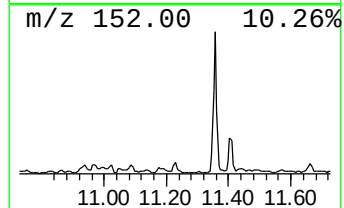
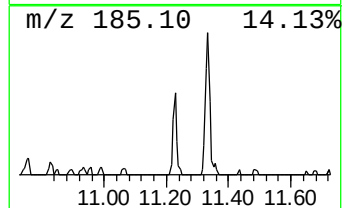
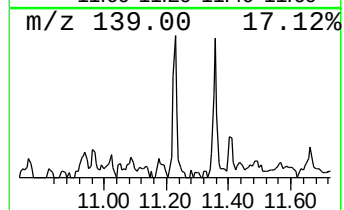
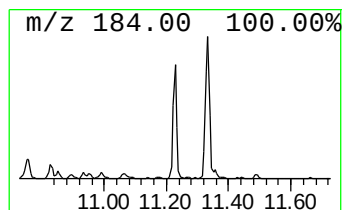
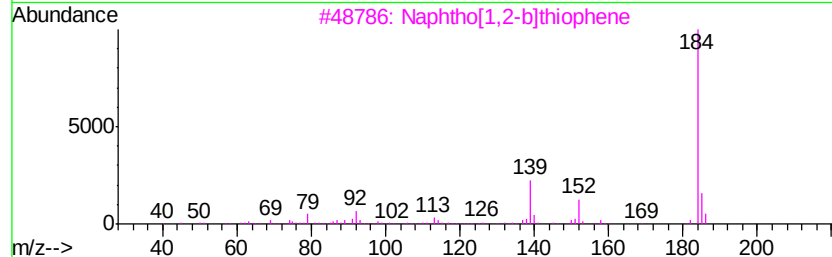
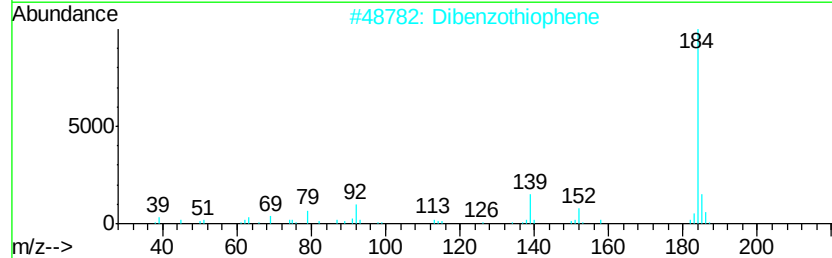
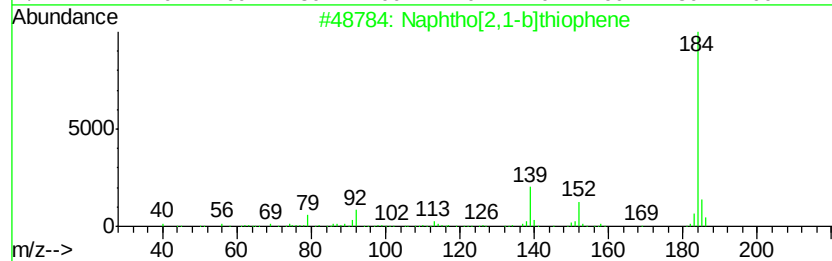
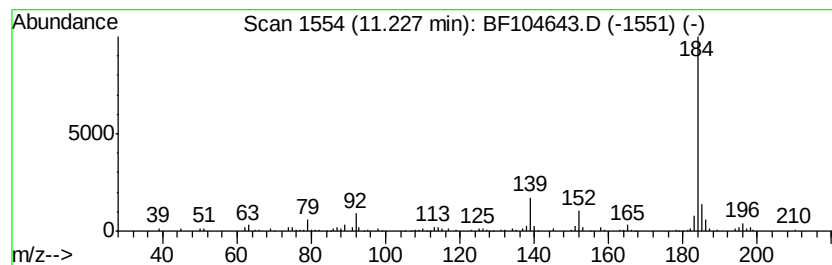
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.67 ng	178589	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

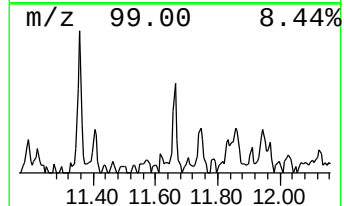
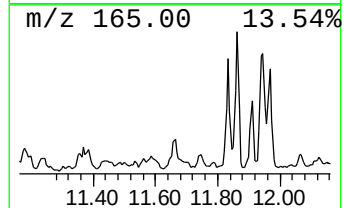
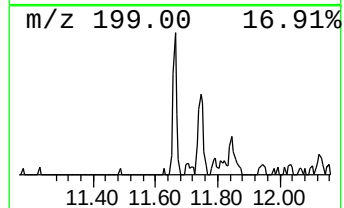
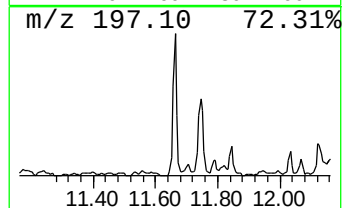
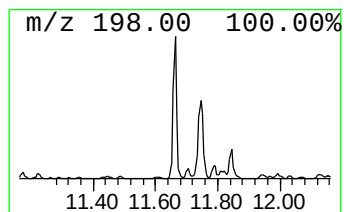
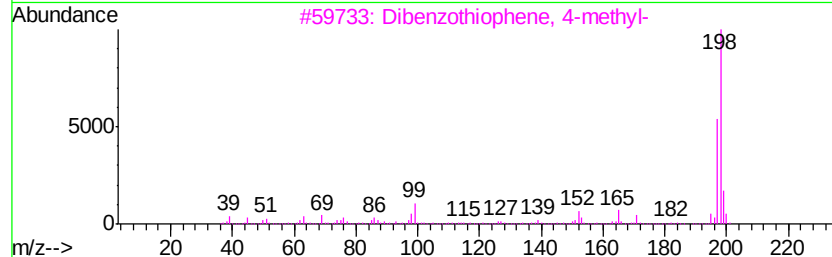
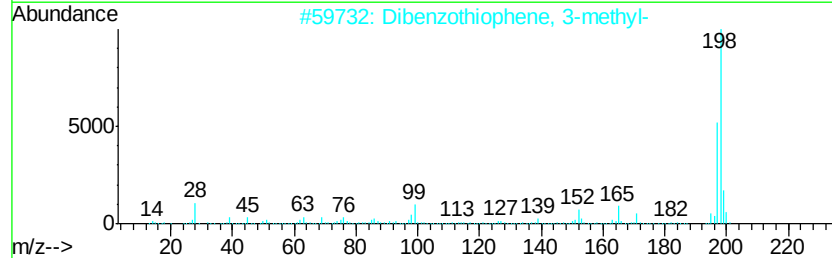
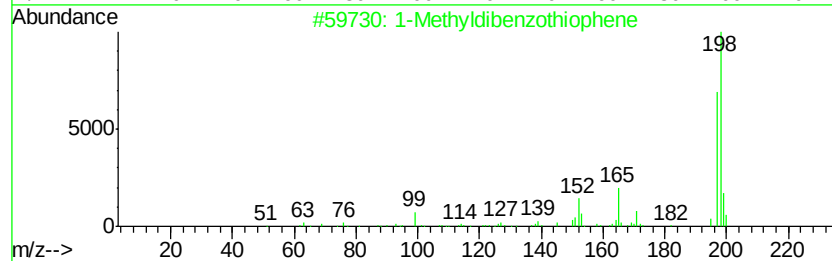
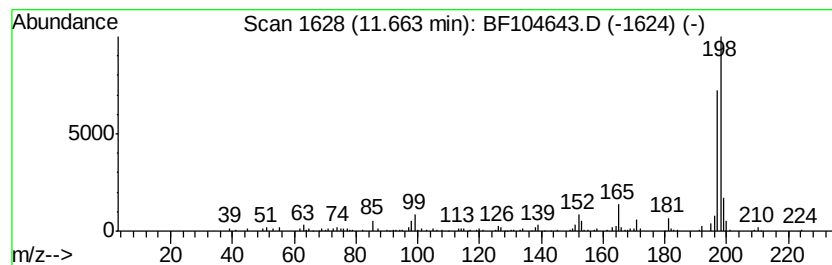
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.66 ng	178123	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

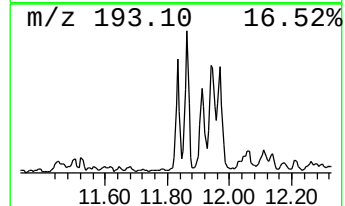
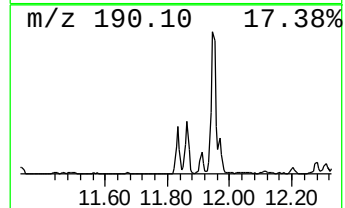
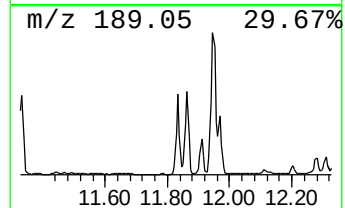
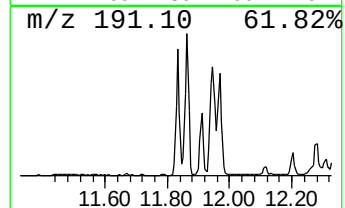
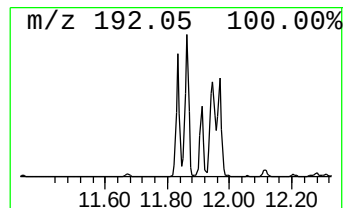
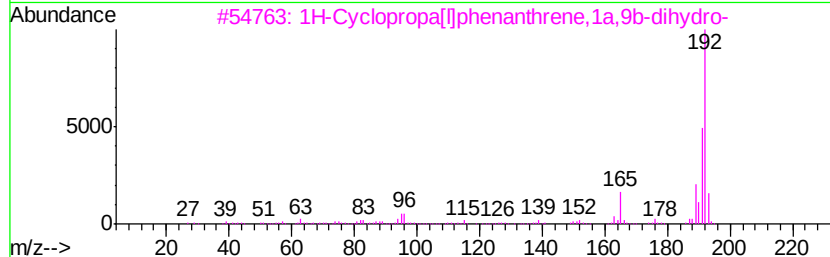
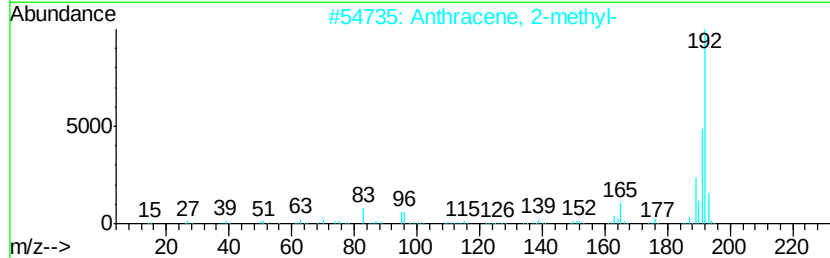
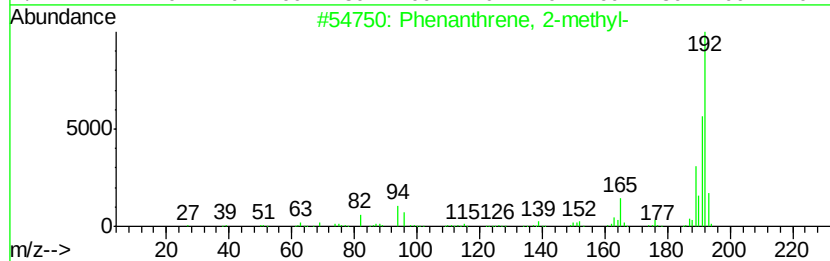
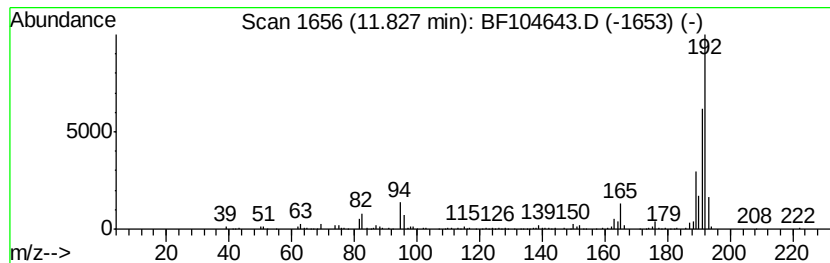
Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	10.49 ng	510663	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

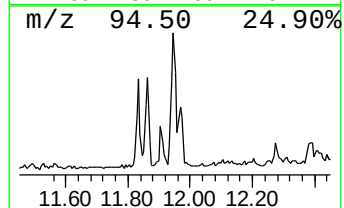
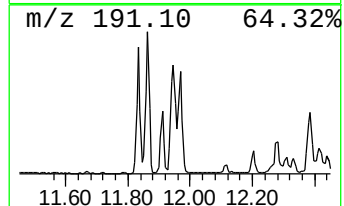
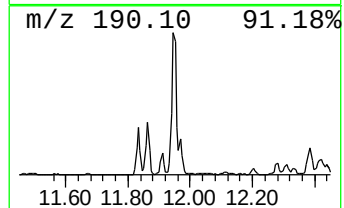
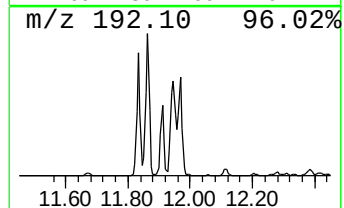
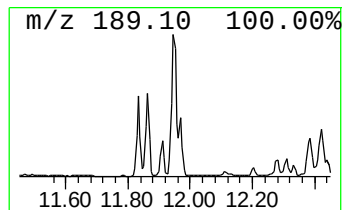
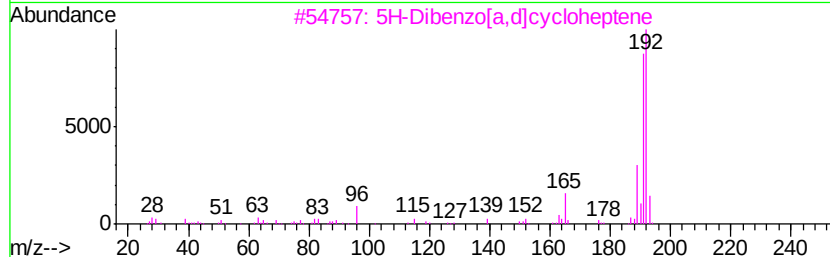
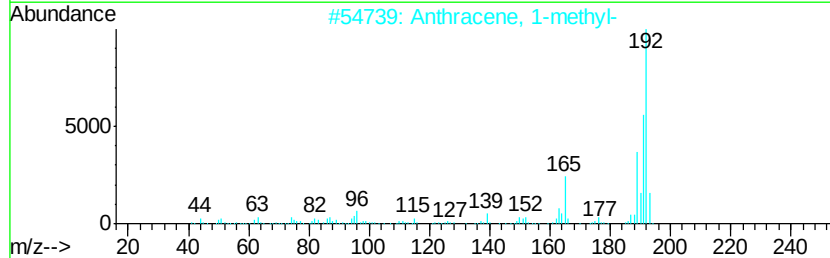
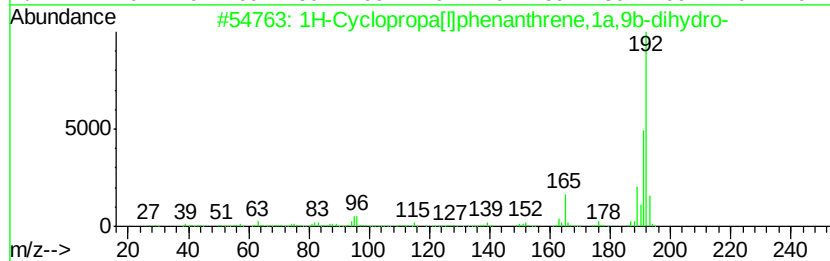
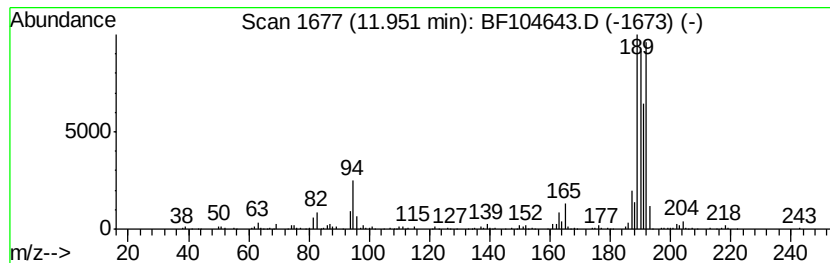
Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	15.46 ng	752353	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[ll]phenanthrene,1a,...	192	C15H12	000949-41-7	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	55
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	49
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

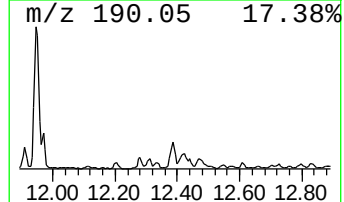
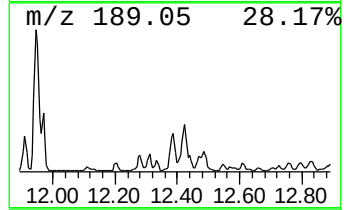
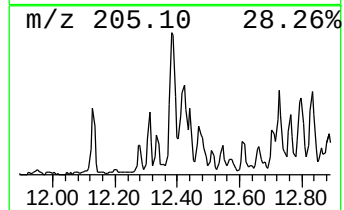
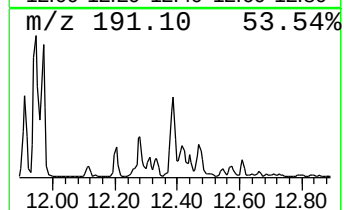
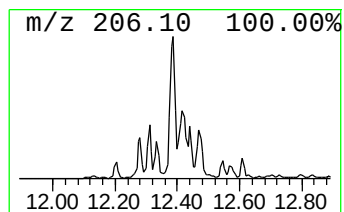
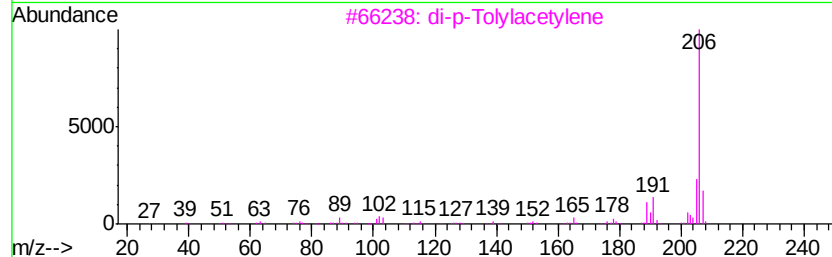
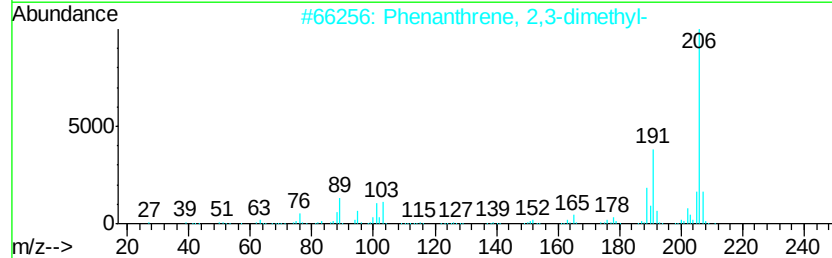
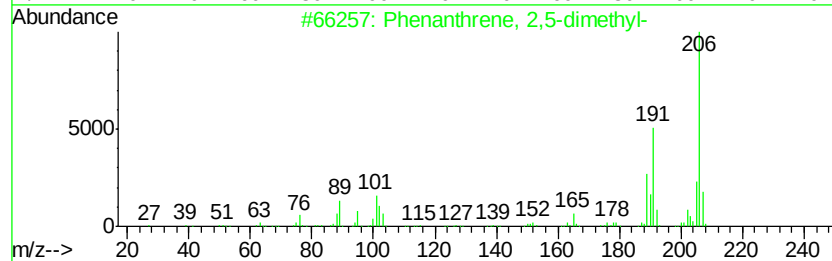
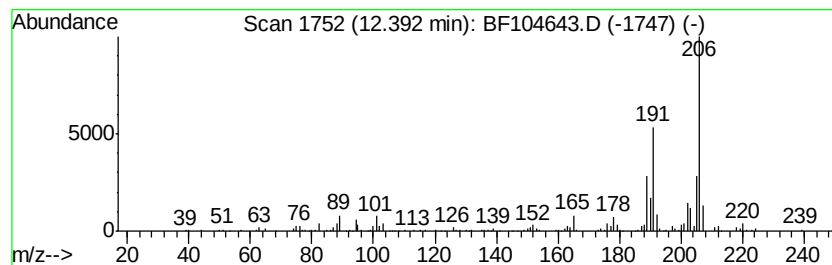
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	8.82 ng	429270	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5			9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

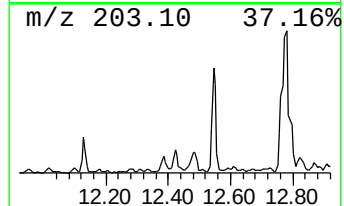
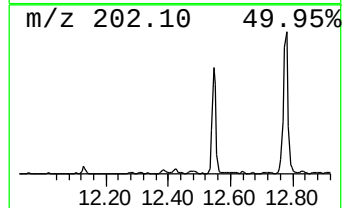
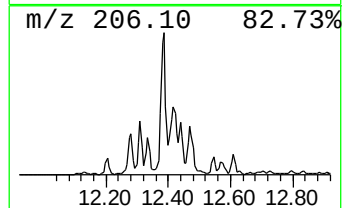
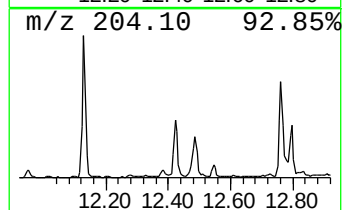
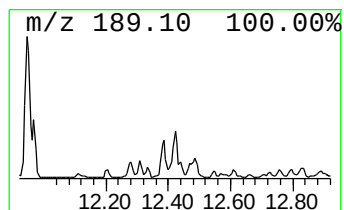
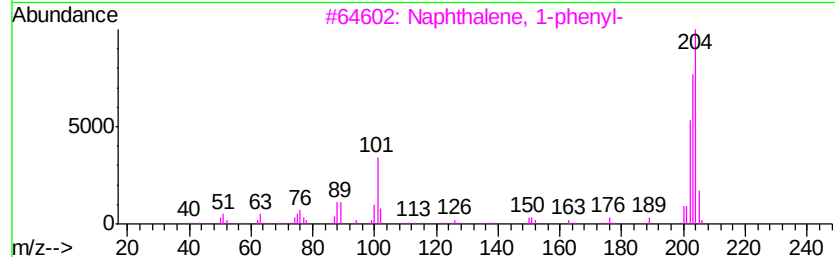
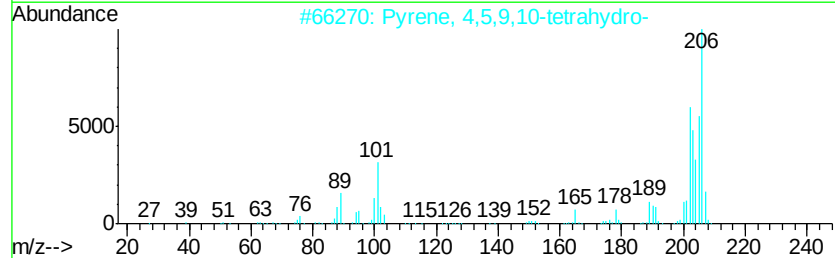
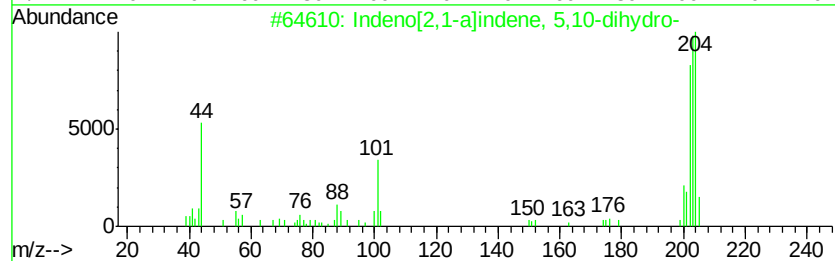
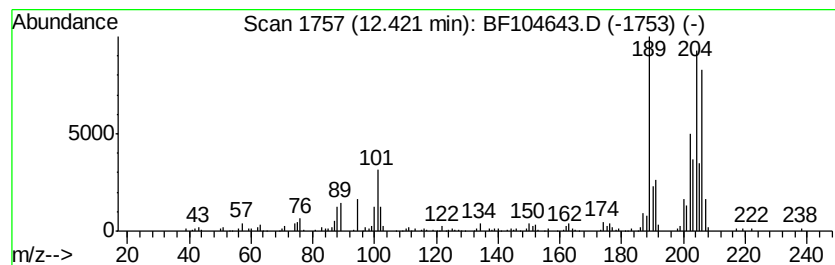
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.42 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.27 ng	353774	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

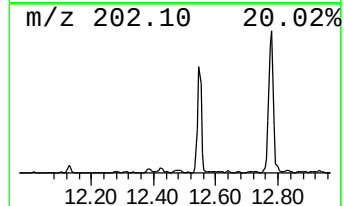
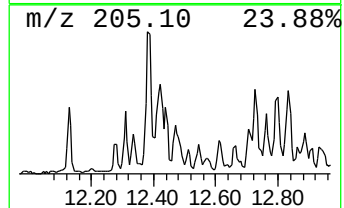
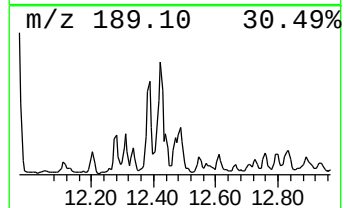
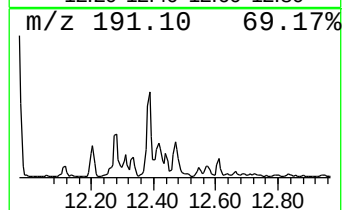
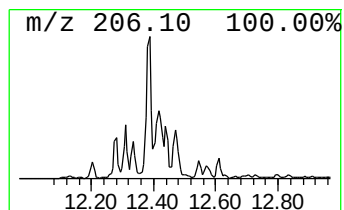
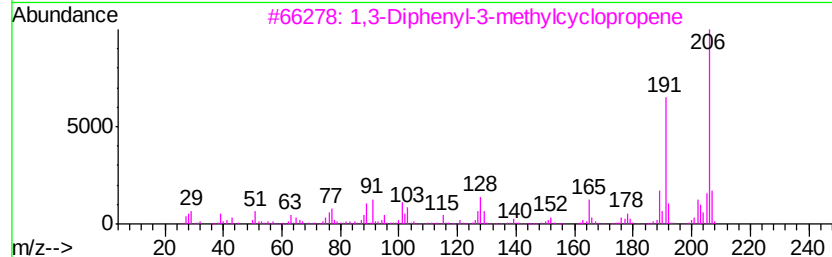
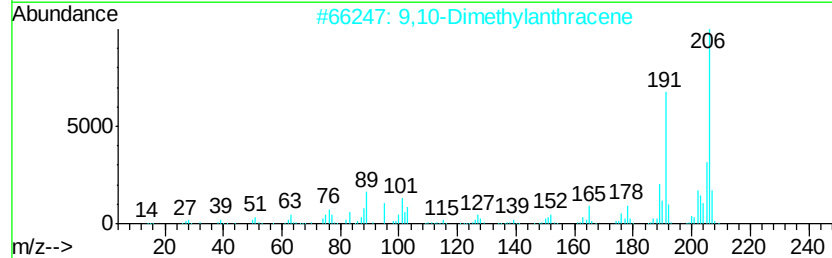
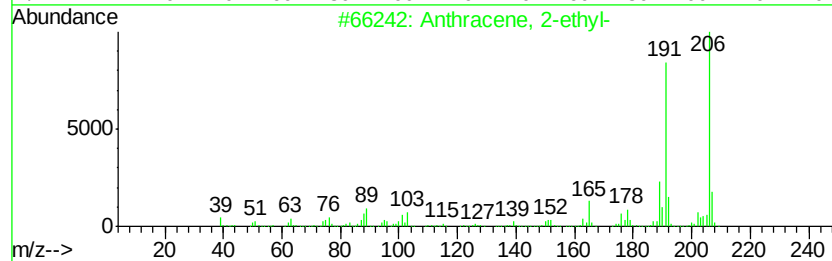
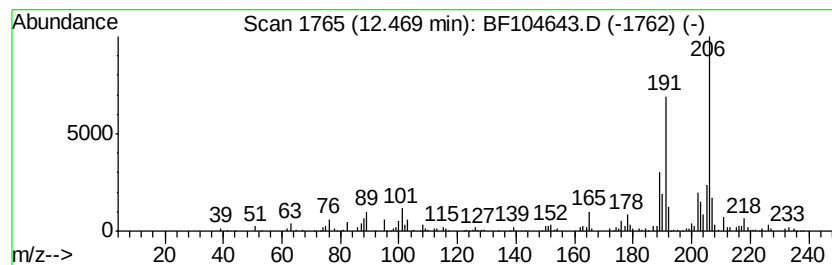
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.64 ng	225870	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	95
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

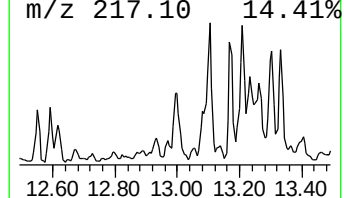
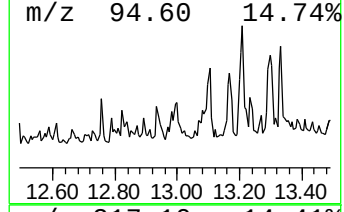
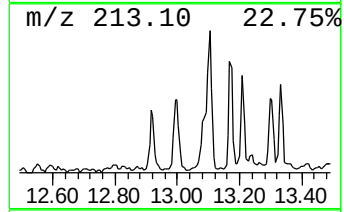
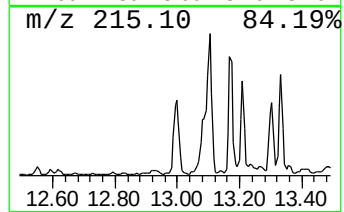
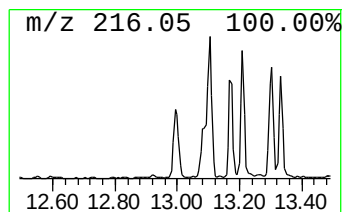
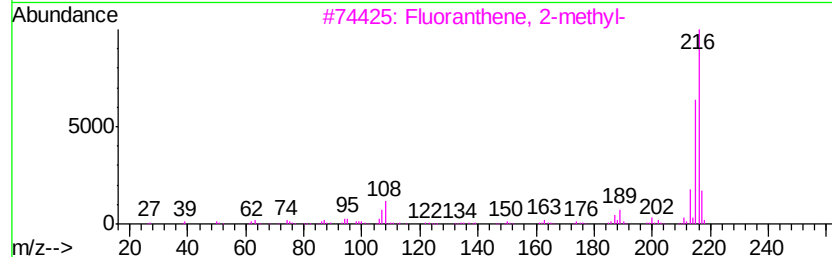
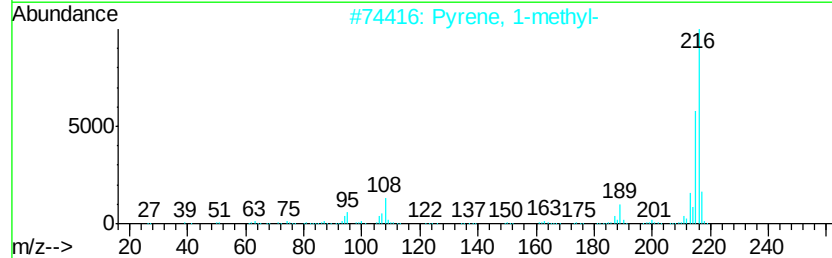
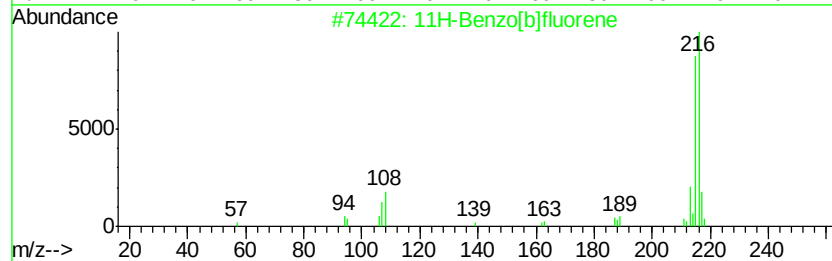
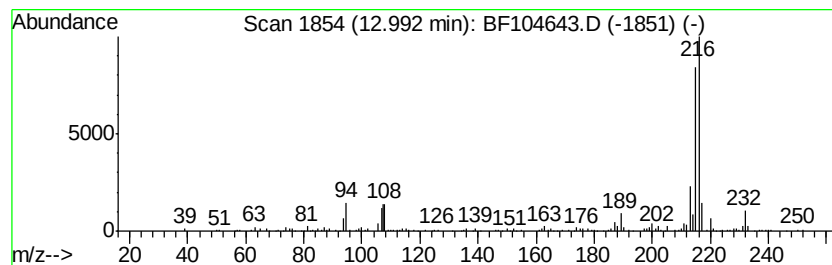
Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	3.66 ng	243478	Chrysene-d12	13.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

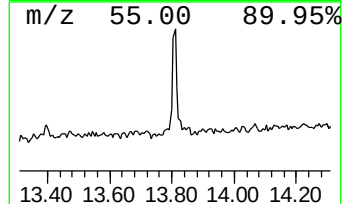
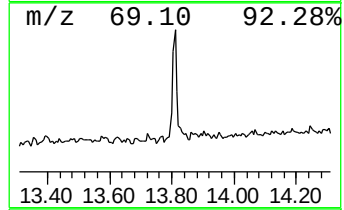
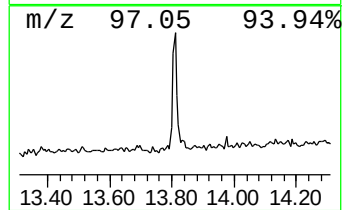
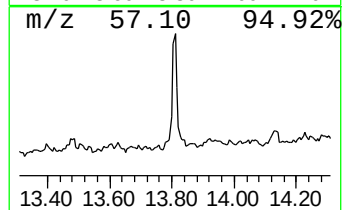
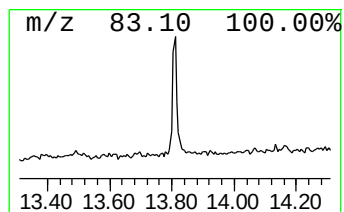
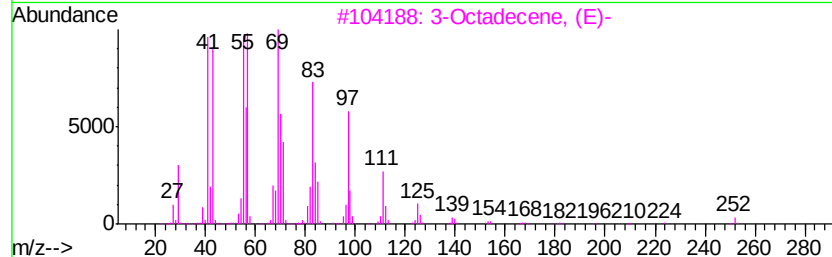
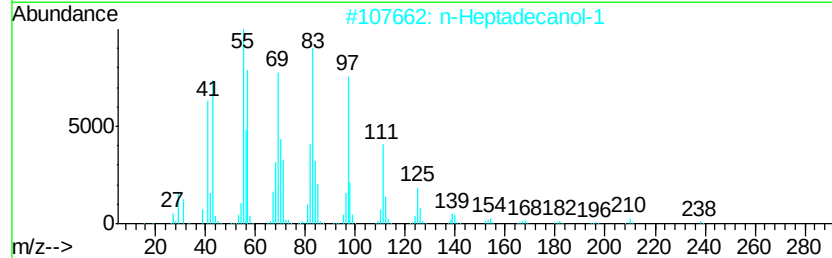
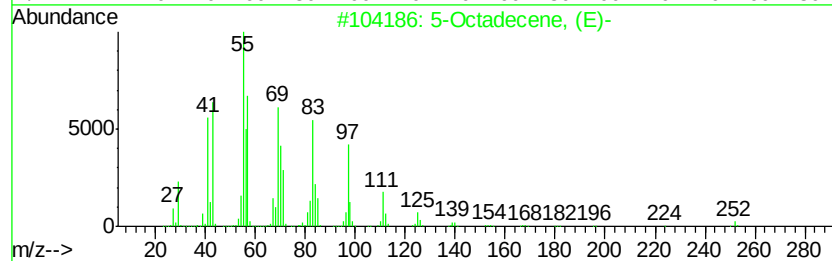
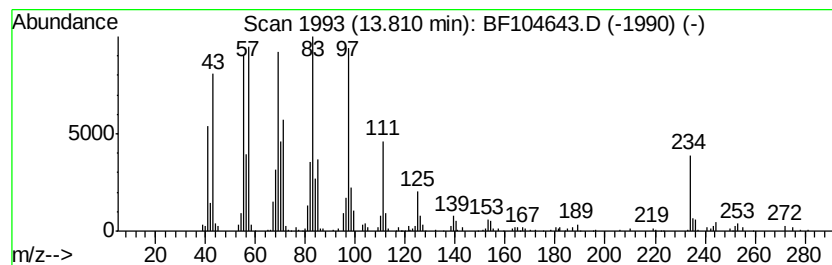
Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 5-Octadecene, (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.81	3.63 ng	241682	Chrysene-d12		13.98		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Octadecene, (E)-	252	C18H36	007206-21-5	90
2			n-Heptadecanol-1	256	C17H36O	001454-85-9	87
3			3-Octadecene, (E)-	252	C18H36	007206-19-1	86
4			Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	83
5			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

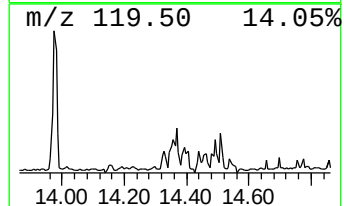
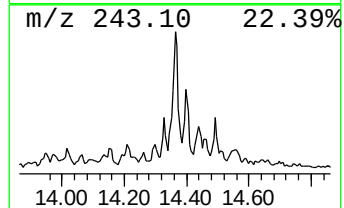
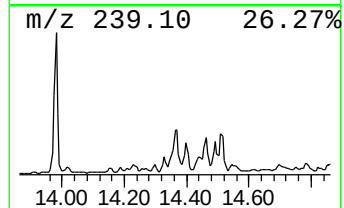
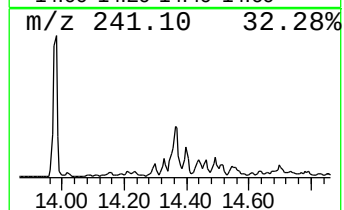
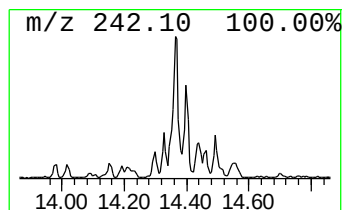
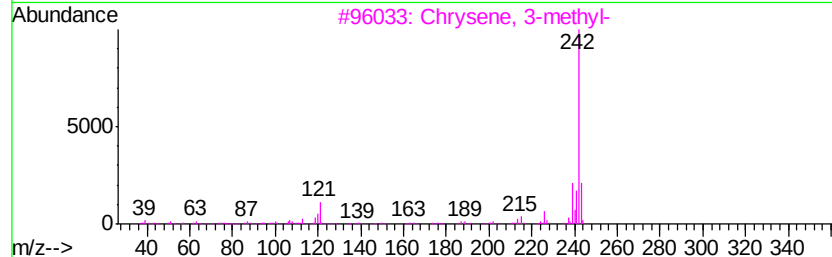
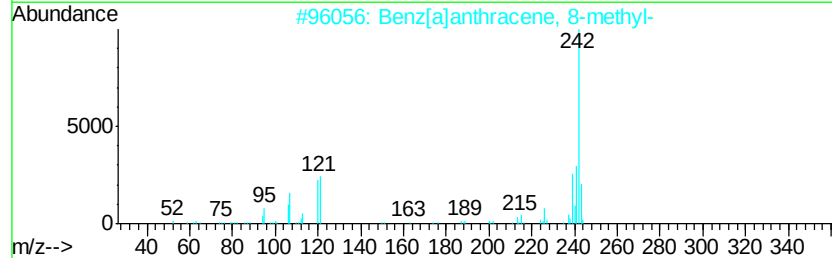
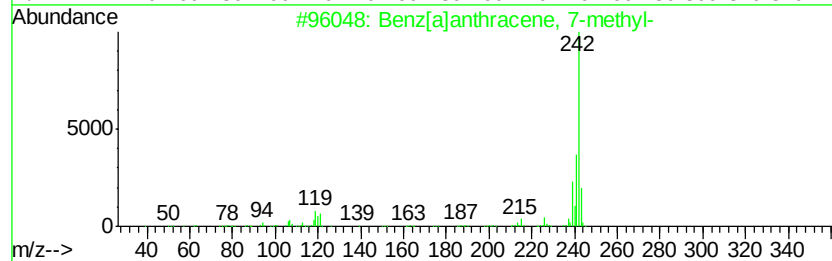
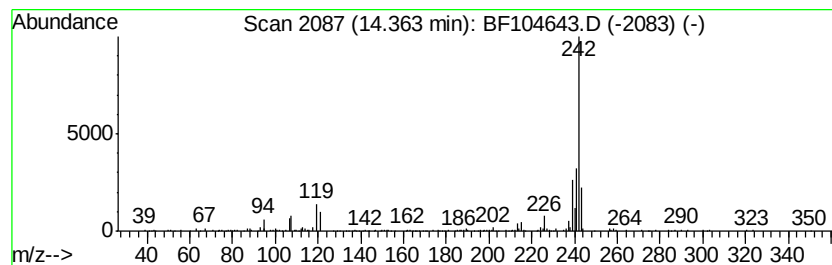
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	3.44 ng	229415	Chrysene-d12	13.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
3			Chrysene, 3-methyl-	242	C19H14	003351-31-3	86
4			Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
5			Chrysene, 6-methyl-	242	C19H14	001705-85-7	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
Acq On : 19 Apr 2018 22:04
Operator : JU/SJ
Sample : J2439-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

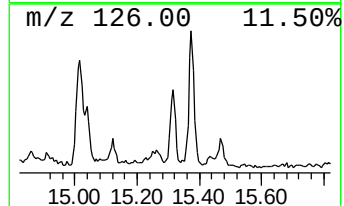
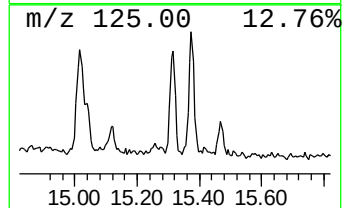
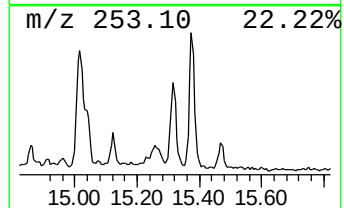
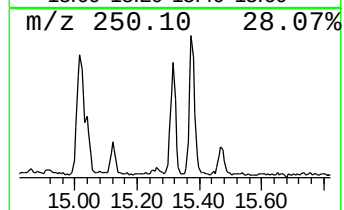
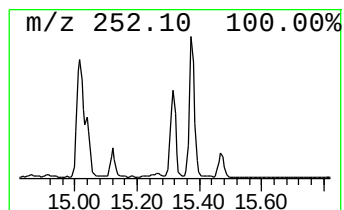
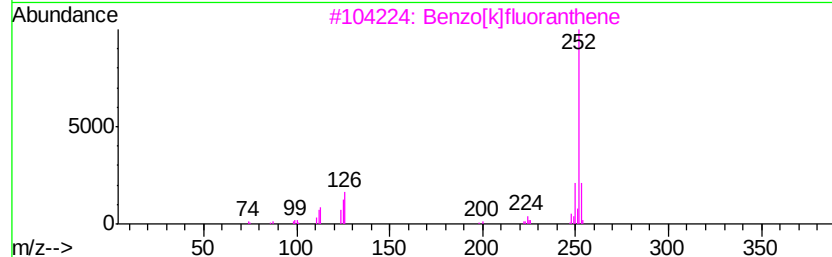
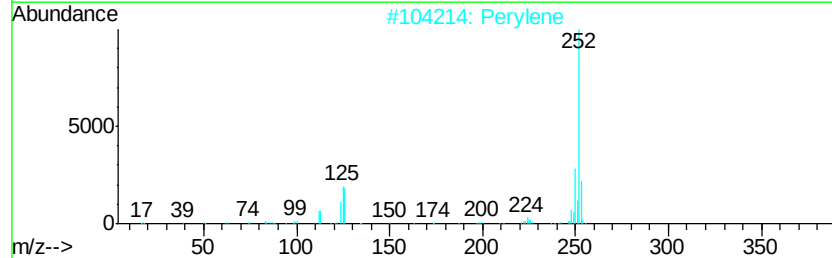
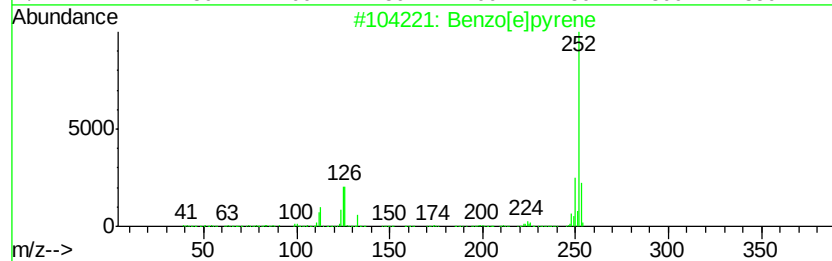
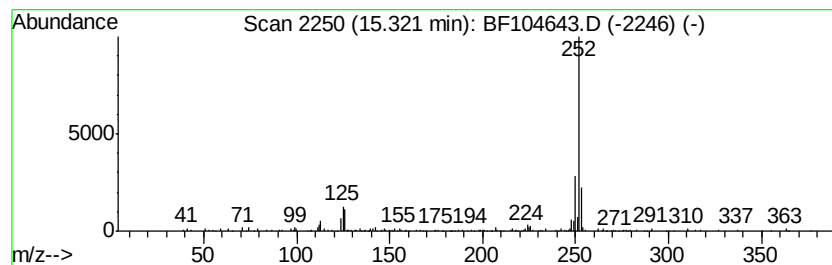
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	4.15 ng	144329	Perylene-d12	15.44

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
 Data File : BF104643.D
 Acq On : 19 Apr 2018 22:04
 Operator : JU/SJ
 Sample : J2439-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMF-B3-15-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
unknown6.57	6.57	64.7	ng	2760880	1	6.80	853666	20.0
Dodecane, 3-methyl-	10.74	3.3	ng	162561	4	11.33	973322	20.0
9H-Fluorene, 2-me...	10.94	4.5	ng	217437	4	11.33	973322	20.0
Naphtho[2,1-b]thi...	11.23	3.7	ng	178589	4	11.33	973322	20.0
1-Methyldibenzoth...	11.66	3.7	ng	178123	4	11.33	973322	20.0
Phenanthrene, 2-m...	11.83	10.5	ng	510663	4	11.33	973322	20.0
1H-Cyclopropa[l]p...	11.95	15.5	ng	752353	4	11.33	973322	20.0
Phenanthrene, 2,5...	12.39	8.8	ng	429270	4	11.33	973322	20.0
unknown12.42	12.42	7.3	ng	353774	4	11.33	973322	20.0
Anthracene, 2-ethyl-	12.47	4.6	ng	225870	4	11.33	973322	20.0
11H-Benzo[b]fluorene	12.99	3.7	ng	243478	5	13.98	1332000	20.0
5-Octadecene, (E)-	13.81	3.6	ng	241682	5	13.98	1332000	20.0
Benz[a]anthracene...	14.36	3.4	ng	229415	5	13.98	1332000	20.0
Benzo[e]pyrene	15.32	4.2	ng	144329	6	15.44	695550	20.0