

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104409.D
 Acq On : 10 Apr 2018 15:27
 Operator : JU/SJ
 Sample : J2156-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-040918

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	5.410	561	565	568	rBV	1462548	1276853	18.87%	1.807%
2	6.428	734	738	743	rBV	1387835	1302387	19.25%	1.843%
3	6.569	758	762	766	rBV	1481229	1359144	20.09%	1.923%
4	6.804	799	802	806	rVB	946567	788069	11.65%	1.115%
5	6.963	825	829	832	rBV	1327170	1069366	15.81%	1.513%
6	7.369	894	898	901	rVB	960474	782588	11.57%	1.107%
7	8.092	1015	1021	1023	rBV	1270686	1140202	16.85%	1.614%
8	8.110	1023	1024	1027	rVB	438263	272374	4.03%	0.385%
9	8.804	1139	1142	1145	rVB	292912	219493	3.24%	0.311%
10	8.904	1154	1159	1163	rBV	581226	535463	7.91%	0.758%
11	9.163	1200	1203	1207	rVB	1708192	1492976	22.07%	2.113%
12	9.245	1213	1217	1219	rBV	194976	166363	2.46%	0.235%
13	9.263	1219	1220	1225	rVB	145292	116827	1.73%	0.165%
14	9.433	1243	1249	1252	rBV	280856	376007	5.56%	0.532%
15	9.504	1257	1261	1263	rVV	466348	451227	6.67%	0.639%
16	9.528	1263	1265	1268	rVV	264202	242947	3.59%	0.344%
17	9.563	1268	1271	1274	rVV3	174141	204223	3.02%	0.289%
18	9.622	1278	1281	1286	rVB	234079	233520	3.45%	0.330%
19	9.704	1292	1295	1300	rVB	280357	243447	3.60%	0.345%
20	9.775	1304	1307	1310	rVB	242345	181230	2.68%	0.256%
21	9.845	1316	1319	1322	rVB2	1149531	981943	14.51%	1.390%
22	9.880	1322	1325	1328	rVB	896901	676758	10.00%	0.958%
23	10.051	1350	1354	1358	rVB	725690	627994	9.28%	0.889%
24	10.086	1358	1360	1365	rBV2	174963	158056	2.34%	0.224%
25	10.163	1370	1373	1375	rBV2	134655	131772	1.95%	0.186%
26	10.251	1384	1388	1390	rBV	130568	151420	2.24%	0.214%
27	10.275	1390	1392	1395	rVB2	300164	218734	3.23%	0.310%
28	10.392	1409	1412	1418	rVB	1056950	1009251	14.92%	1.428%
29	10.551	1436	1439	1442	rVB	212108	183920	2.72%	0.260%
30	10.633	1448	1453	1457	rVV	1006145	905769	13.39%	1.282%
31	10.680	1457	1461	1465	rVB2	102586	108227	1.60%	0.153%
32	10.751	1469	1473	1481	rVB2	282002	365220	5.40%	0.517%
33	10.939	1501	1505	1508	rBV2	215906	248131	3.67%	0.351%
34	10.969	1508	1510	1513	rVV2	139677	127521	1.88%	0.180%

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Peak Location: TOP

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

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

35	11.069	1523	1527	1529	rBV3	86197	111515	1.65%	0.158%
36	11.092	1529	1531	1536	rVV2	104803	111856	1.65%	0.158%
37	11.139	1536	1539	1543	rVV2	137468	124685	1.84%	0.176%
38	11.198	1543	1549	1552	rVV2	231607	283372	4.19%	0.401%
39	11.227	1552	1554	1560	rVB	353930	348833	5.16%	0.494%
40	11.339	1569	1573	1574	rBV	827416	815144	12.05%	1.154%
41	11.369	1574	1578	1580	rVV	3251364	3363821	49.72%	4.760%
42	11.410	1582	1585	1588	rVV	1135258	1005520	14.86%	1.423%
43	11.445	1588	1591	1594	rVV2	98738	108800	1.61%	0.154%
44	11.563	1609	1611	1618	rVV	393425	390443	5.77%	0.553%
45	11.627	1619	1622	1625	rVV2	234864	235962	3.49%	0.334%
46	11.663	1625	1628	1634	rVV3	130656	194162	2.87%	0.275%
47	11.733	1636	1640	1647	rVB	2452258	2344737	34.66%	3.318%
48	11.839	1652	1658	1660	rBV	606165	596138	8.81%	0.844%
49	11.863	1660	1662	1666	rVV	900582	787298	11.64%	1.114%
50	11.910	1666	1670	1673	rVV2	231147	296463	4.38%	0.420%
51	11.951	1673	1677	1679	rVV	946603	944298	13.96%	1.336%
52	11.969	1679	1680	1684	rVB	390797	298379	4.41%	0.422%
53	12.033	1685	1691	1695	rBV3	145838	239371	3.54%	0.339%
54	12.133	1705	1708	1710	rBV	382065	302258	4.47%	0.428%
55	12.157	1710	1712	1715	rVB2	173481	146268	2.16%	0.207%
56	12.316	1736	1739	1741	rBV	174836	155709	2.30%	0.220%
57	12.386	1748	1751	1753	rBV	330349	343974	5.08%	0.487%
58	12.427	1753	1758	1760	rVV	4902940	6765497	100.00%	9.574%
59	12.445	1760	1761	1771	rVV3	4297423	3958851	58.52%	5.602%
60	12.521	1771	1774	1777	rVV	943346	964450	14.26%	1.365%
61	12.563	1777	1781	1785	rVV	3182525	3543981	52.38%	5.015%
62	12.616	1785	1790	1793	rVV2	145826	252520	3.73%	0.357%
63	12.704	1802	1805	1809	rVV2	147933	164508	2.43%	0.233%
64	12.792	1812	1820	1824	rBV2	2959872	3851818	56.93%	5.451%
65	12.833	1824	1827	1832	rVB2	165276	230936	3.41%	0.327%
66	12.904	1832	1839	1840	rBV	220954	288733	4.27%	0.409%
67	12.927	1840	1843	1850	rVB2	1134358	1180946	17.46%	1.671%
68	13.004	1851	1856	1859	rBV2	292812	445801	6.59%	0.631%
69	13.086	1867	1870	1872	rBV4	379387	438373	6.48%	0.620%
70	13.110	1872	1874	1878	rVB	669835	575596	8.51%	0.815%
71	13.174	1883	1885	1888	rVB	554581	485059	7.17%	0.686%

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72	13.216	1888	1892	1895	rBV2	430498	424477	6.27%	0.601%
73	13.251	1895	1898	1900	rVB2	115280	112143	1.66%	0.159%
74	13.304	1905	1907	1910	rVB	225466	188184	2.78%	0.266%
75	13.339	1910	1913	1916	rBV	247963	241382	3.57%	0.342%
76	13.498	1935	1940	1942	rBV3	130536	205810	3.04%	0.291%
77	13.616	1957	1960	1965	rVV	249390	298819	4.42%	0.423%
78	13.727	1975	1979	1982	rVV3	301149	382374	5.65%	0.541%
79	13.757	1982	1984	1986	rVV	322295	271901	4.02%	0.385%
80	13.780	1986	1988	1992	rVV2	261230	349263	5.16%	0.494%
81	13.821	1992	1995	1999	rVB2	400608	430057	6.36%	0.609%
82	13.980	2015	2022	2025	rBV2	1952103	3073931	45.44%	4.350%
83	14.015	2025	2028	2033	rVB	1520094	1537908	22.73%	2.176%
84	14.092	2038	2041	2043	rVB	342245	261399	3.86%	0.370%
85	14.210	2057	2061	2064	rBV2	152595	215767	3.19%	0.305%
86	14.374	2086	2089	2092	rVB	340366	311005	4.60%	0.440%
87	14.410	2092	2095	2097	rVB	169320	150081	2.22%	0.212%
88	14.463	2098	2104	2108	rBV3	264592	496287	7.34%	0.702%
89	14.498	2108	2110	2112	rVV	192318	185561	2.74%	0.263%
90	14.521	2112	2114	2118	rVB2	184624	160613	2.37%	0.227%
91	14.763	2153	2155	2158	rBV2	119768	126012	1.86%	0.178%
92	15.033	2196	2201	2204	rBV	1001791	1677337	24.79%	2.374%
93	15.104	2210	2213	2215	rBV	133458	139385	2.06%	0.197%
94	15.133	2215	2218	2222	rVB	269134	297377	4.40%	0.421%
95	15.333	2248	2252	2257	rVB	555310	762144	11.27%	1.079%
96	15.398	2258	2263	2268	rVV	842261	1116414	16.50%	1.580%
97	15.457	2269	2273	2275	rVV	432759	556543	8.23%	0.788%
98	15.480	2275	2277	2284	rVB2	322792	433674	6.41%	0.614%
99	16.909	2515	2520	2528	rVB2	353415	692379	10.23%	0.980%
100	17.351	2589	2595	2603	rVB	264208	519063	7.67%	0.735%

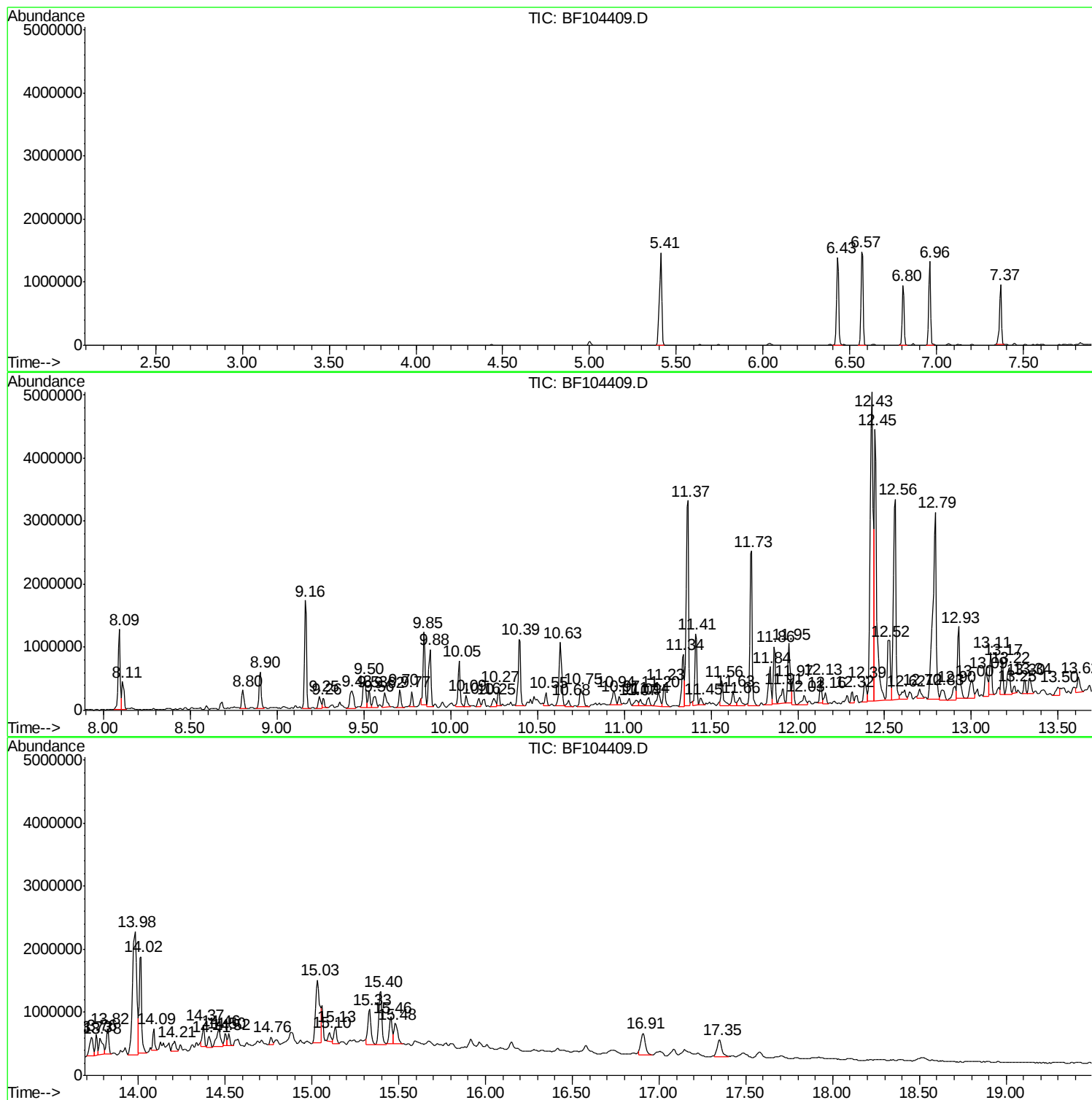
Sum of corrected areas: 70662787

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Instrument :
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ClientSampleId :
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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



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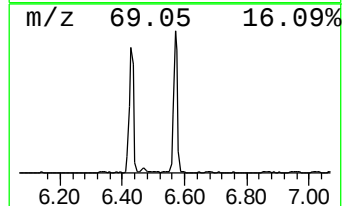
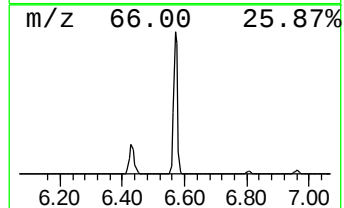
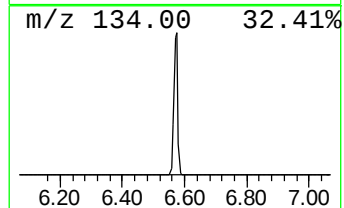
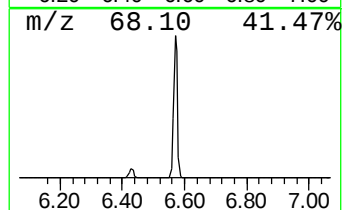
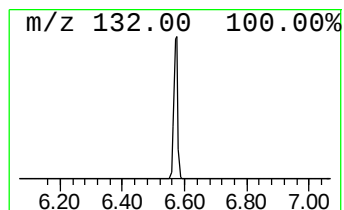
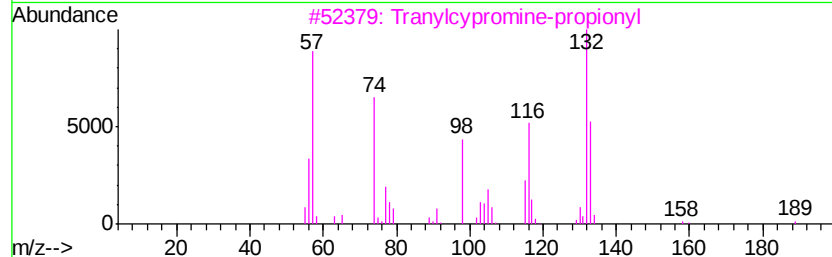
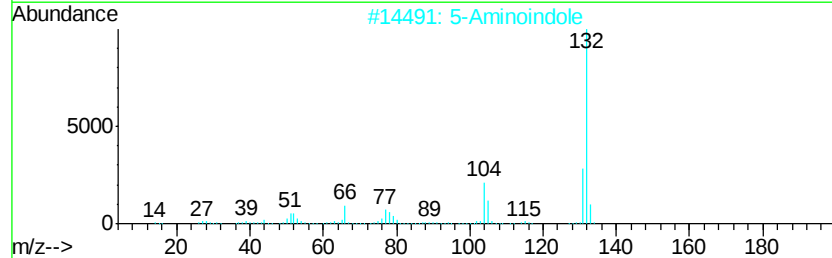
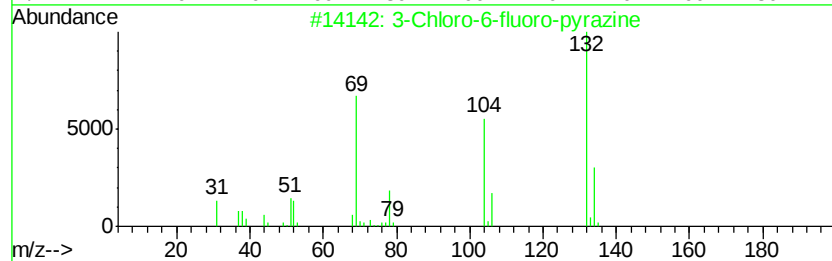
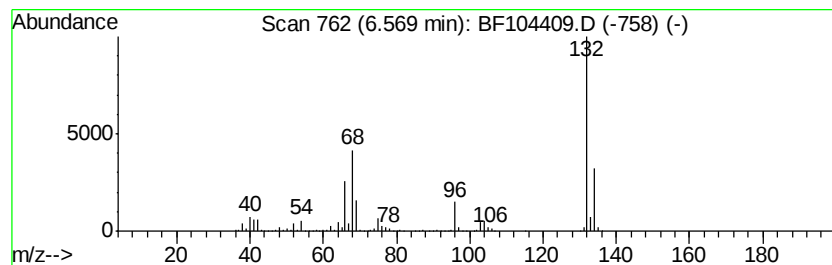
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	34.49 ng	1359140	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	16
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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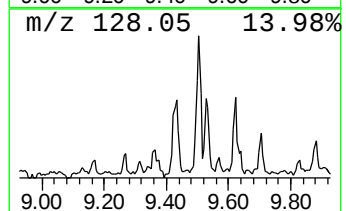
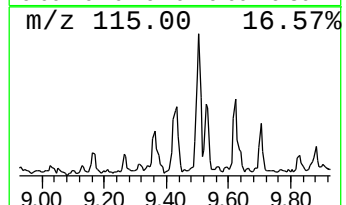
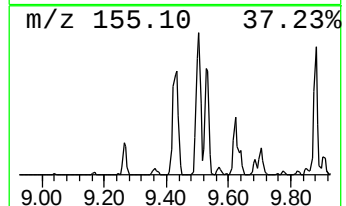
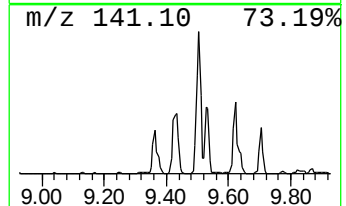
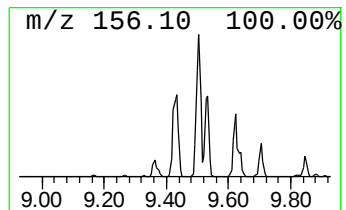
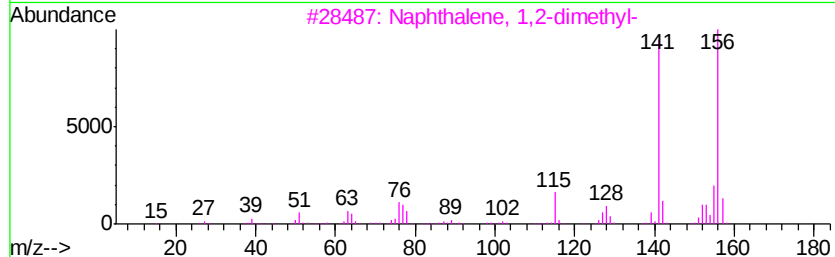
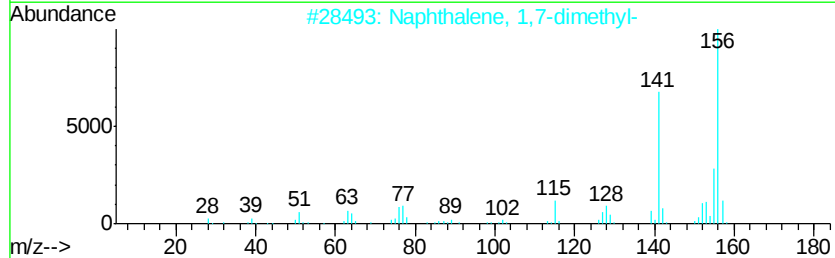
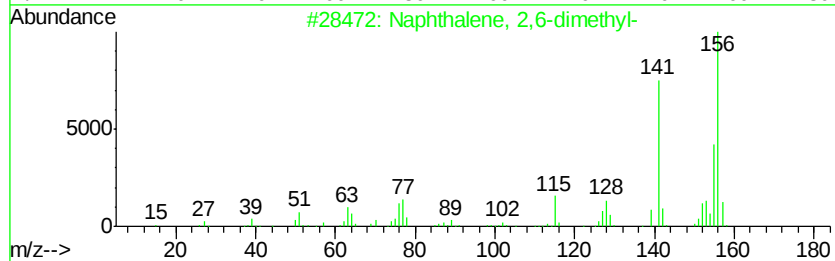
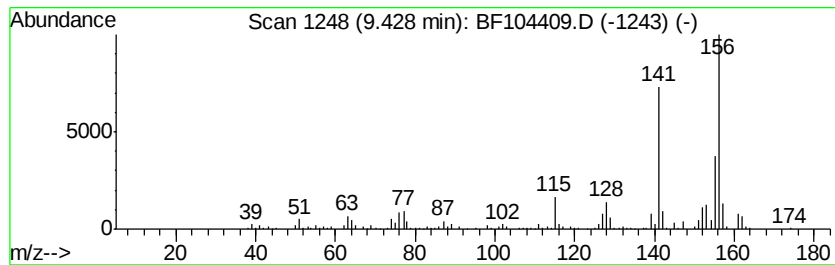
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Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.43	7.66 ng	376007	Acenaphthene-d10	9.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



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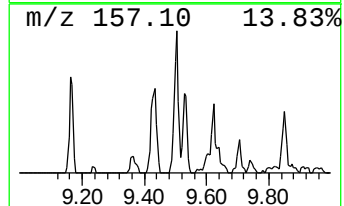
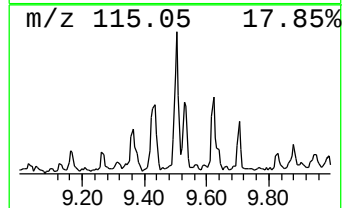
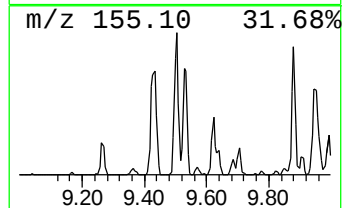
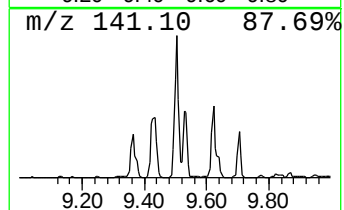
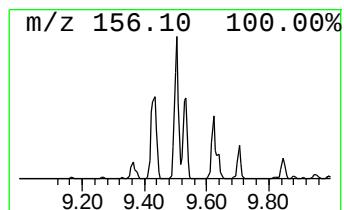
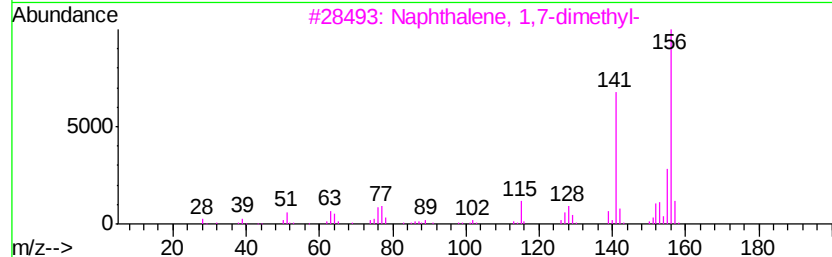
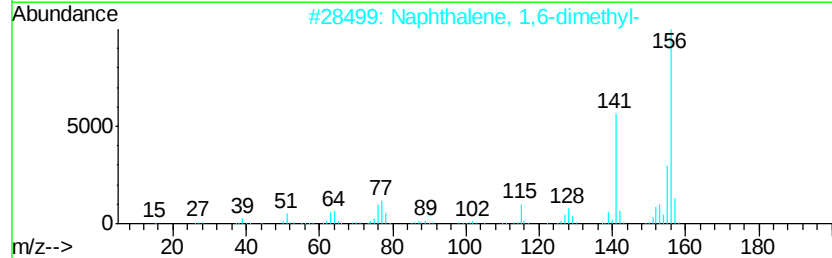
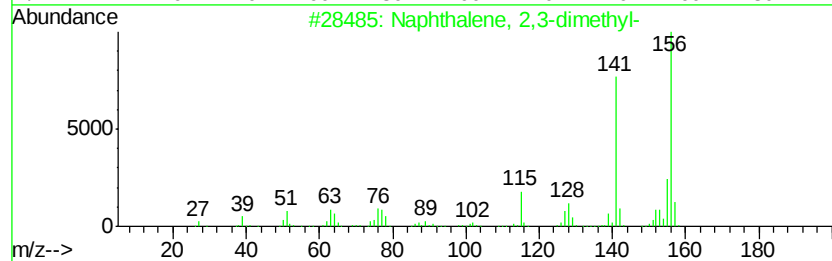
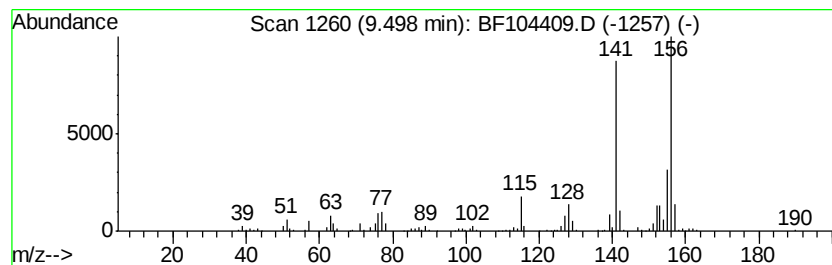
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	9.19 ng	451227	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-040918

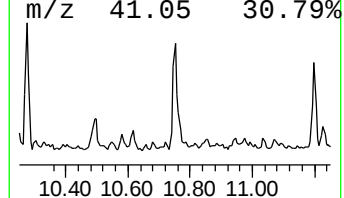
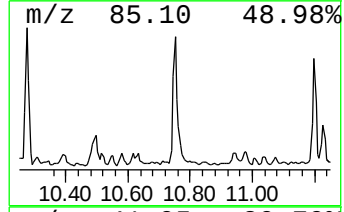
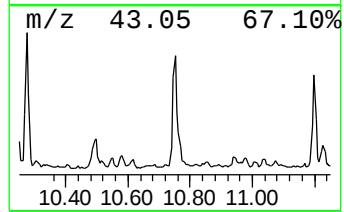
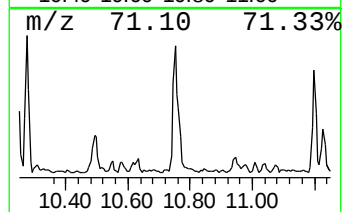
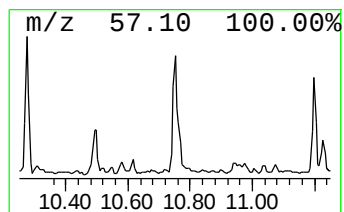
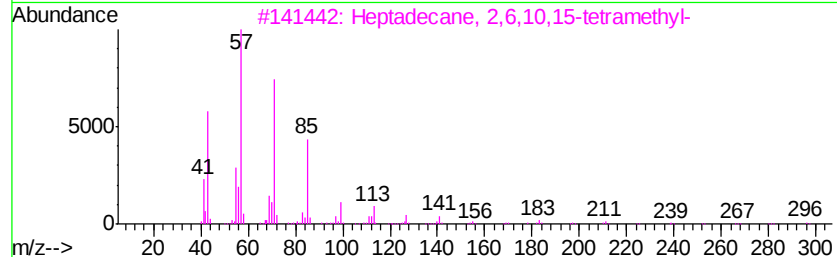
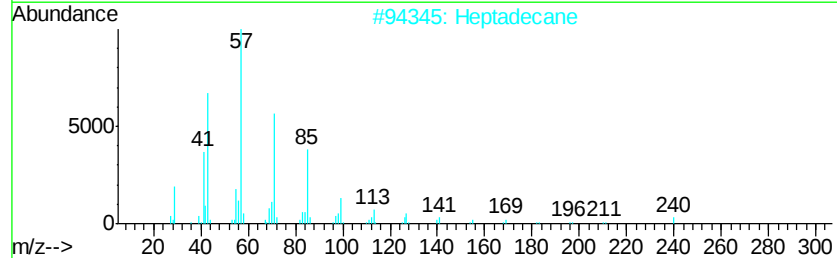
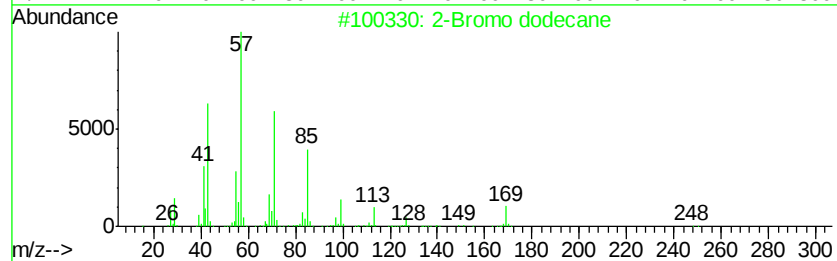
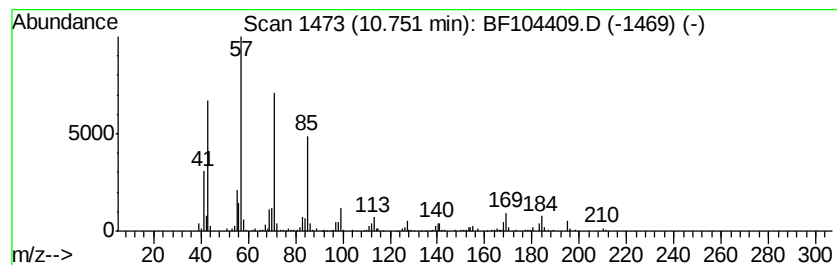
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	8.96 ng	365220	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
2		Heptadecane	240	C17H36	000629-78-7	74
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74
4		Tridecane	184	C13H28	000629-50-5	74
5		Heneicosane	296	C21H44	000629-94-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
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ClientSampleId :
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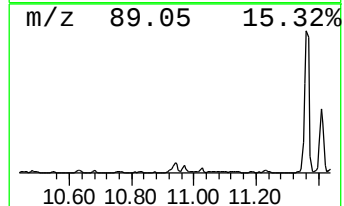
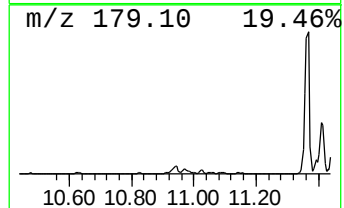
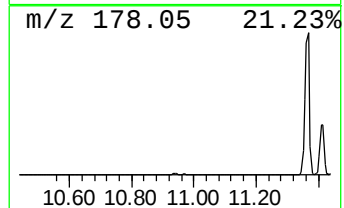
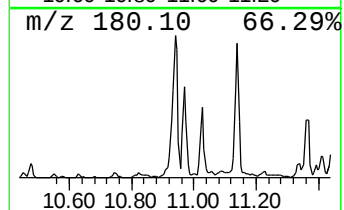
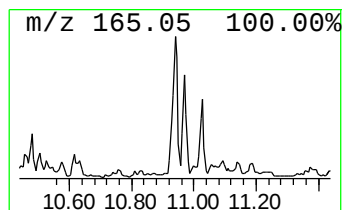
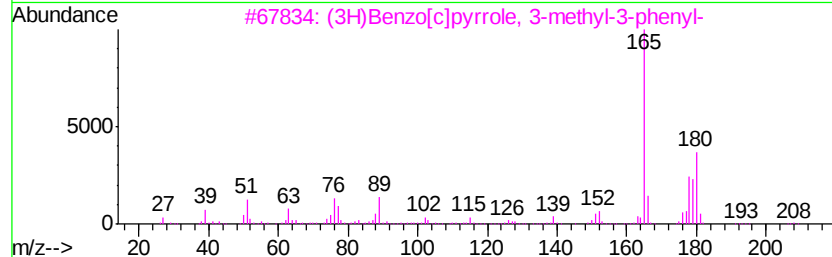
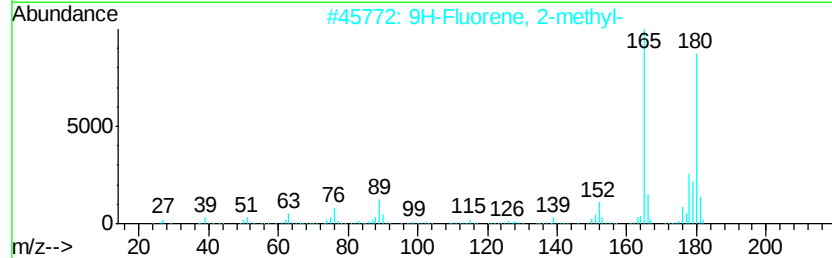
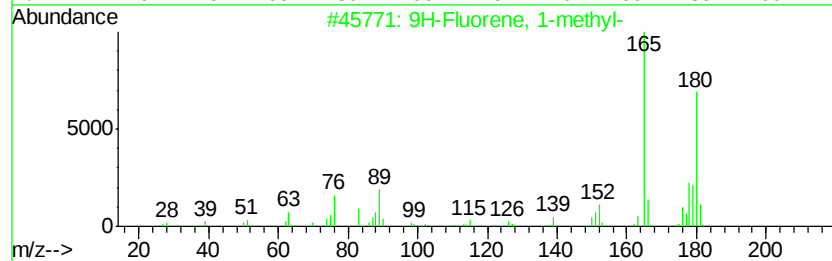
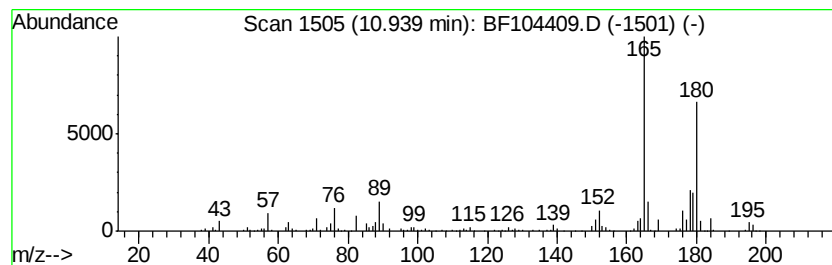
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	6.09 ng	248131	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
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Acq On : 10 Apr 2018 15:27
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Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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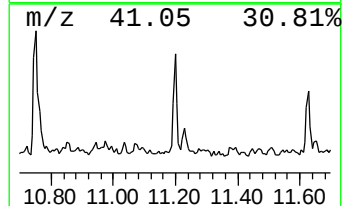
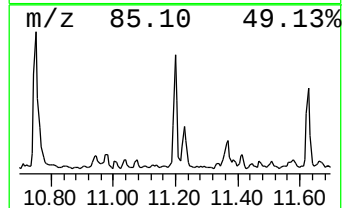
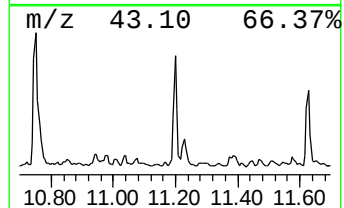
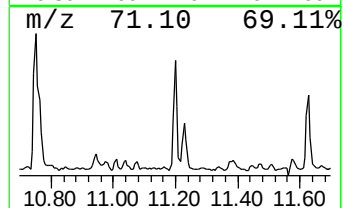
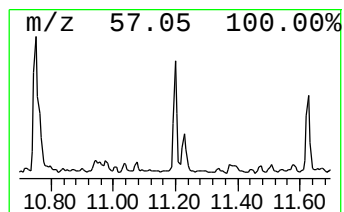
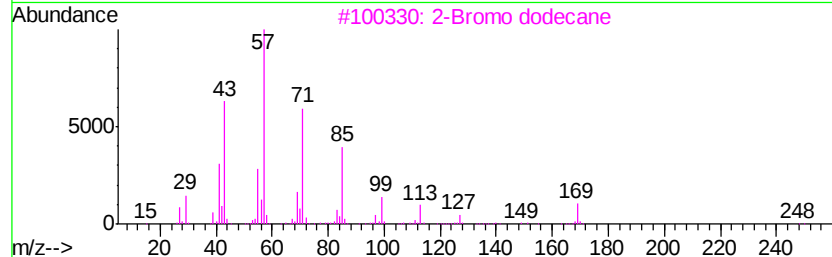
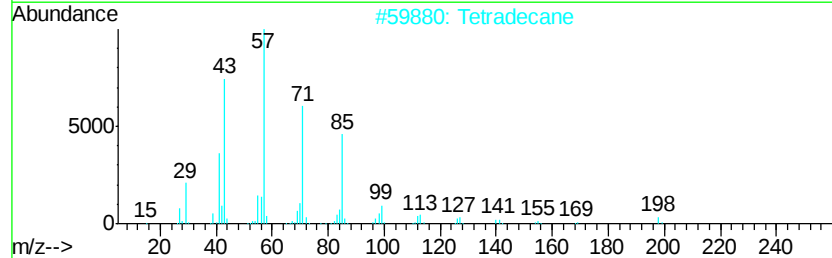
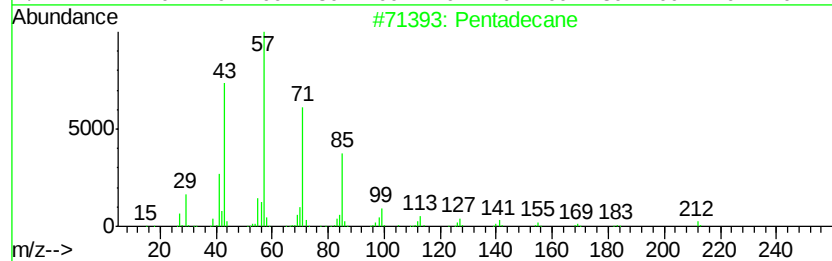
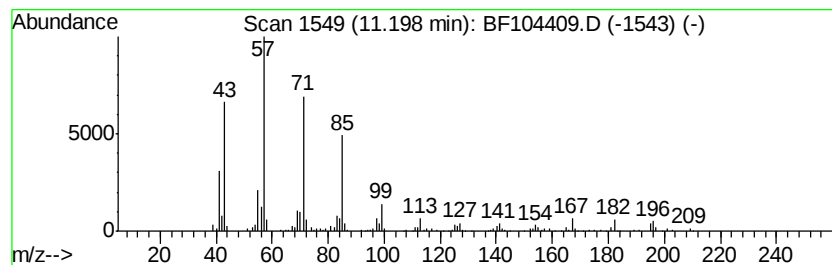
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	6.95 ng	283372	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	83
2	Tetradecane		198	C14H30	000629-59-4	80
3	2-Bromo dodecane		248	C12H25Br	013187-99-0	72
4	Hexadecane		226	C16H34	000544-76-3	72
5	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
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Acq On : 10 Apr 2018 15:27
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Sample : J2156-01 2X
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ClientSampleId :
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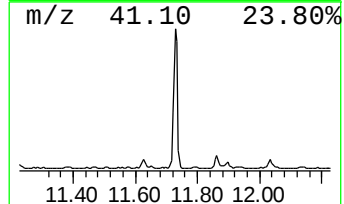
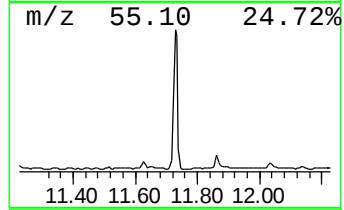
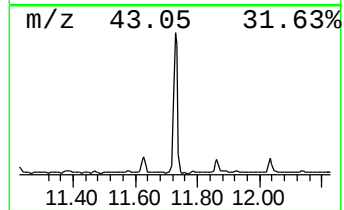
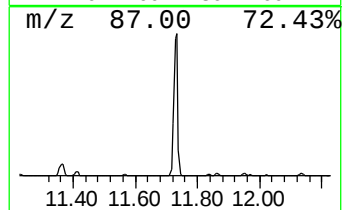
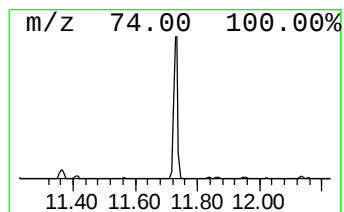
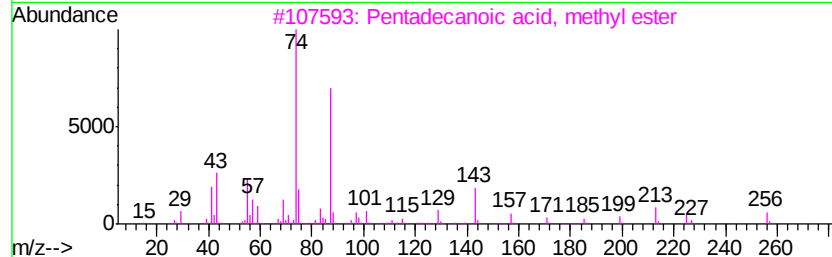
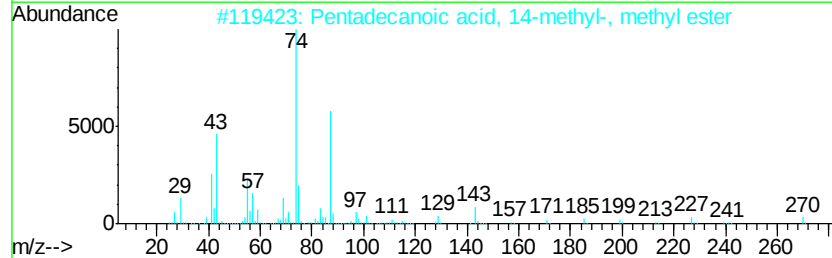
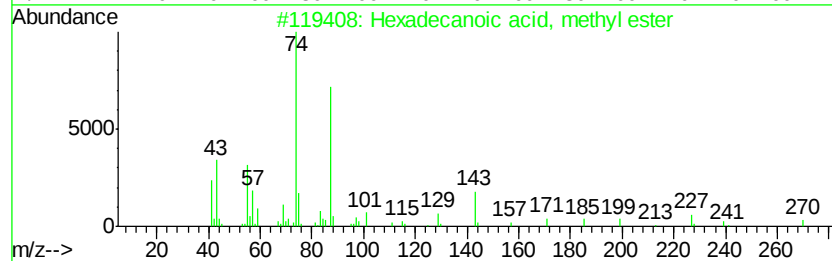
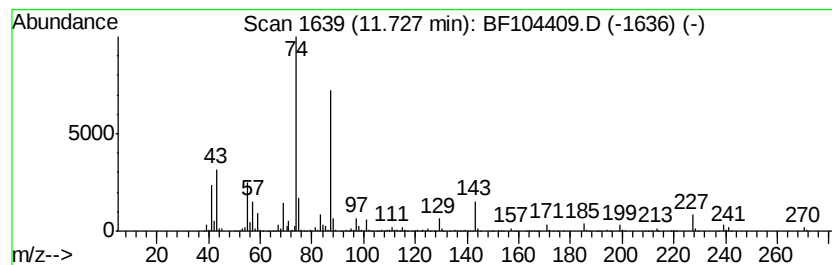
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	57.53 ng	2344740	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-01-040918

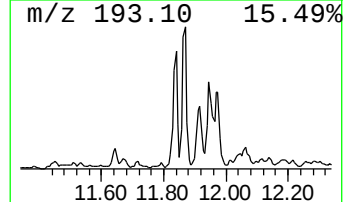
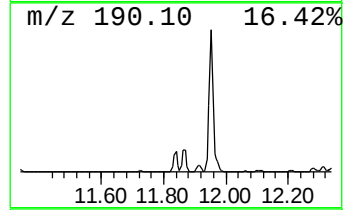
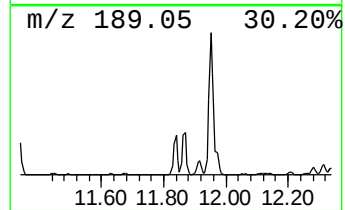
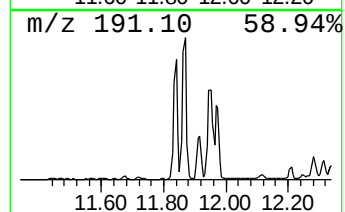
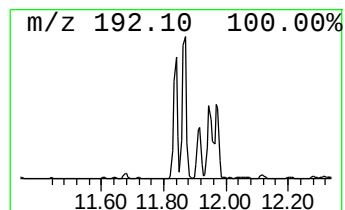
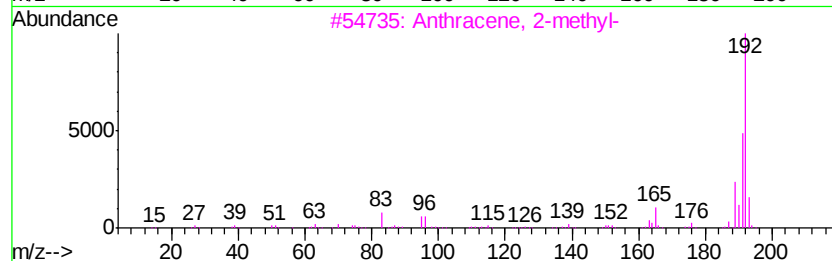
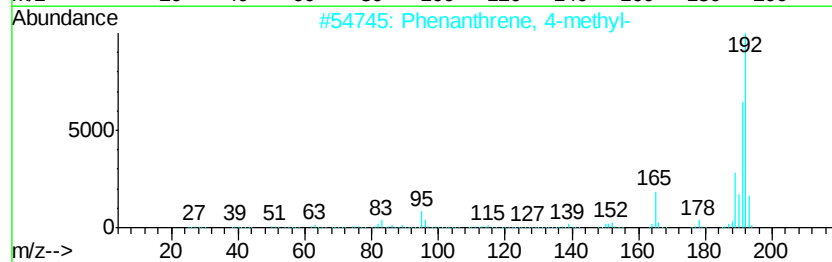
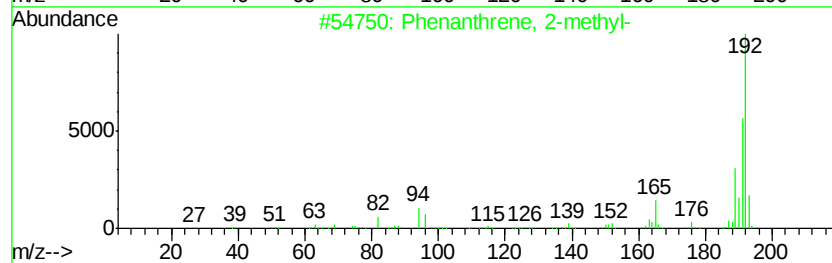
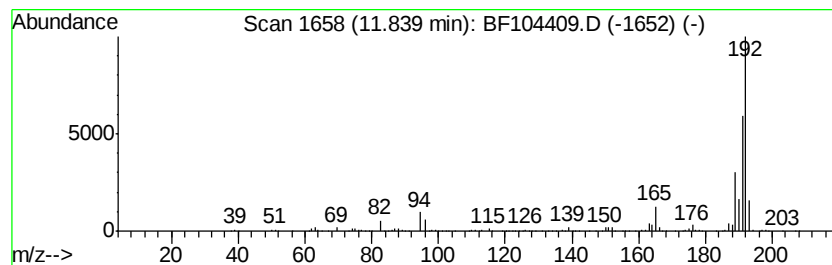
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	14.63 ng	596138	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
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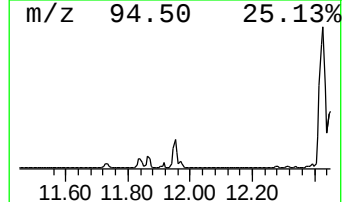
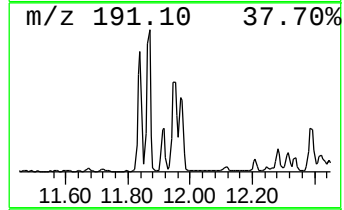
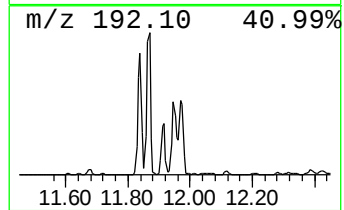
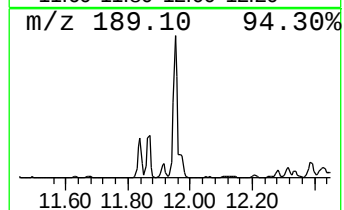
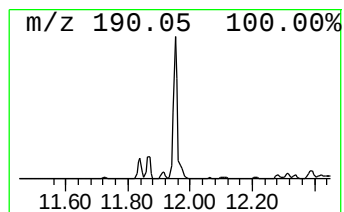
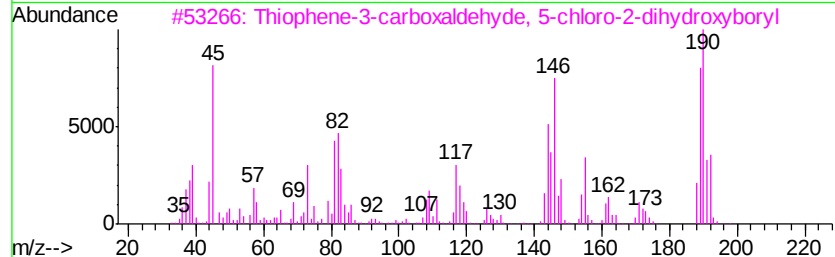
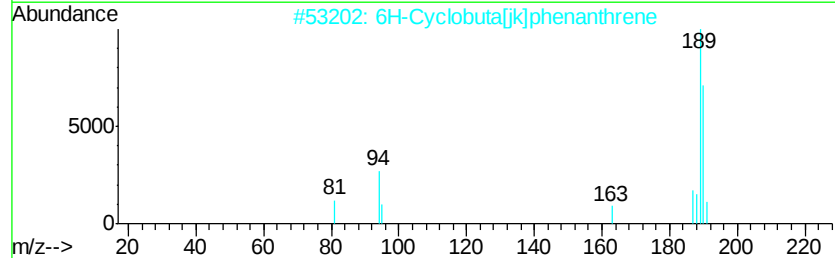
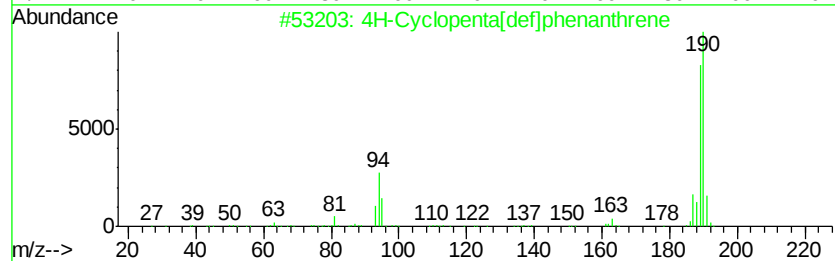
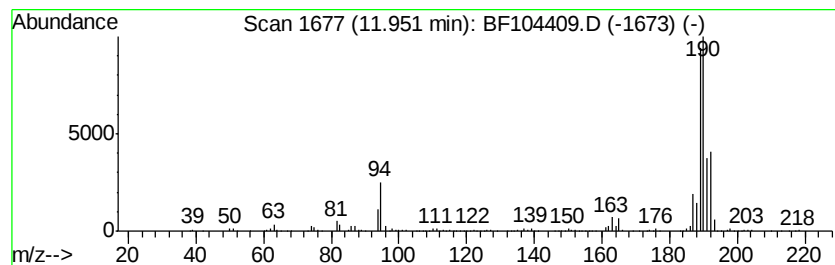
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	23.17 ng	944298	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
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Acq On : 10 Apr 2018 15:27
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Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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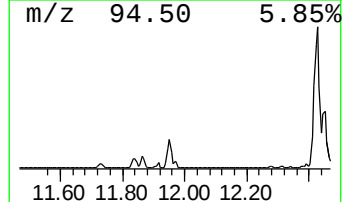
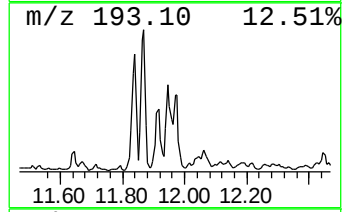
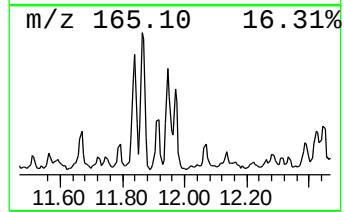
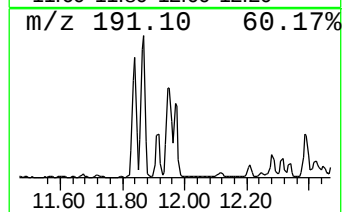
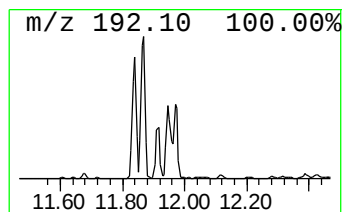
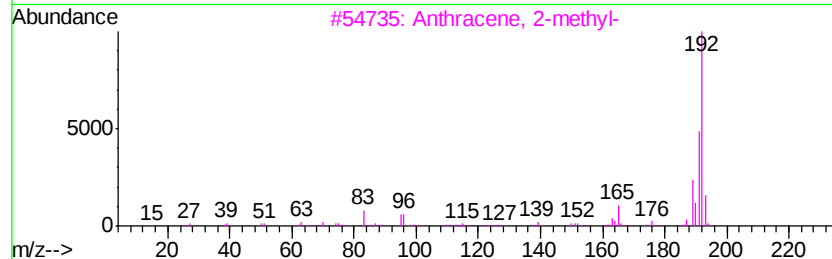
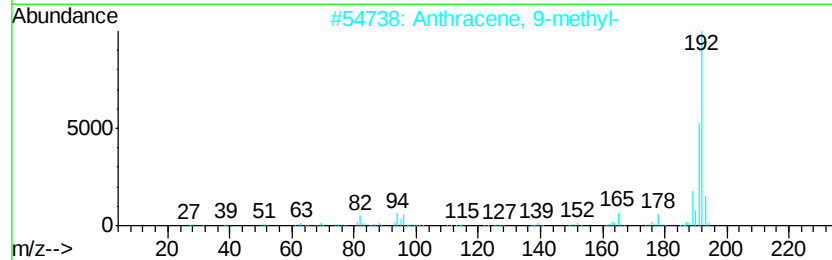
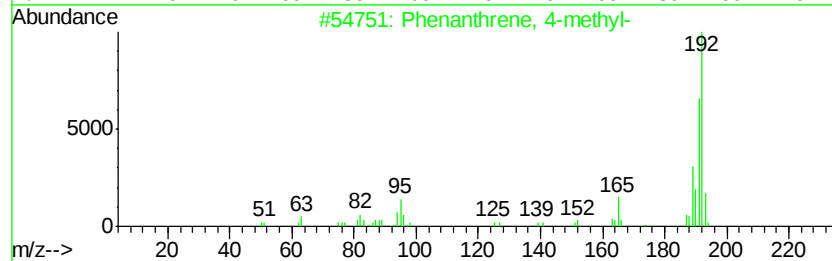
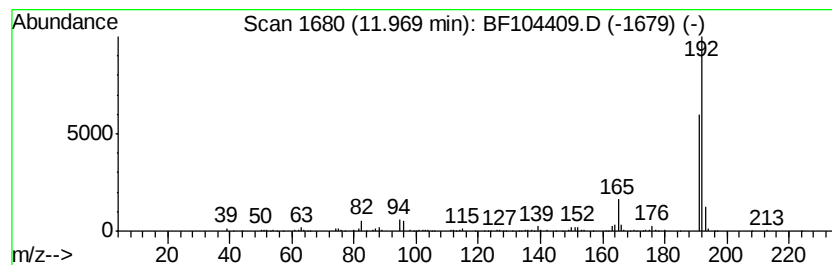
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	7.32 ng	298379	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-040918

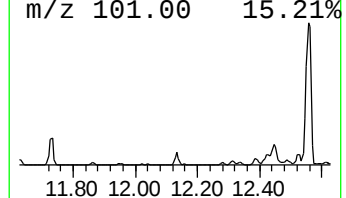
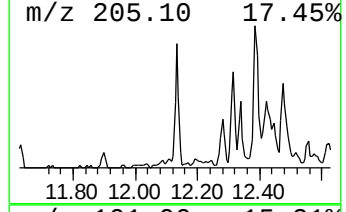
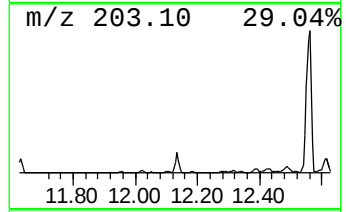
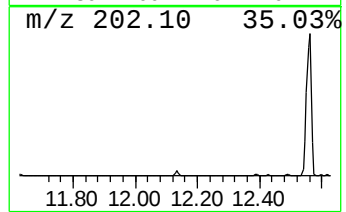
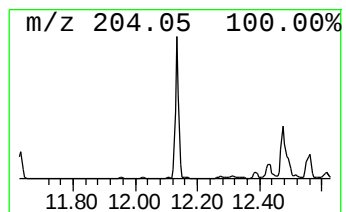
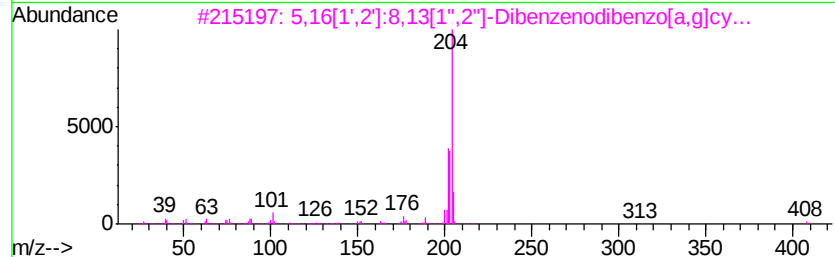
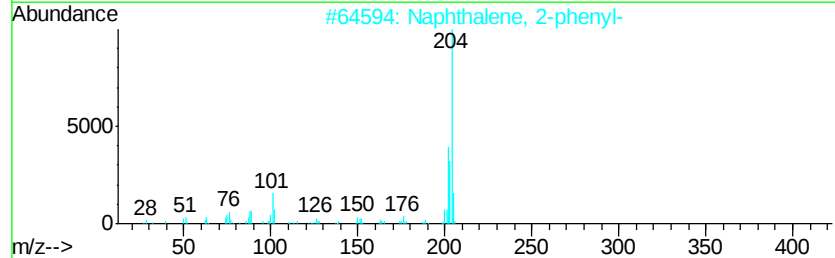
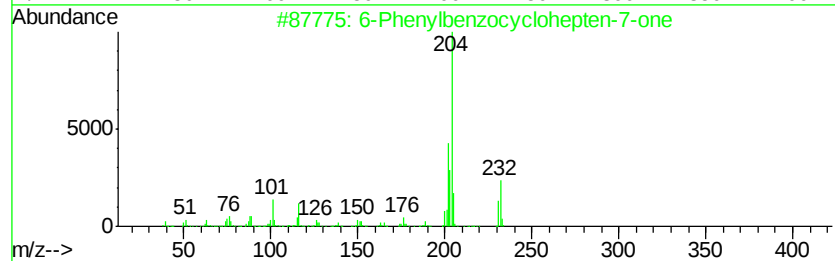
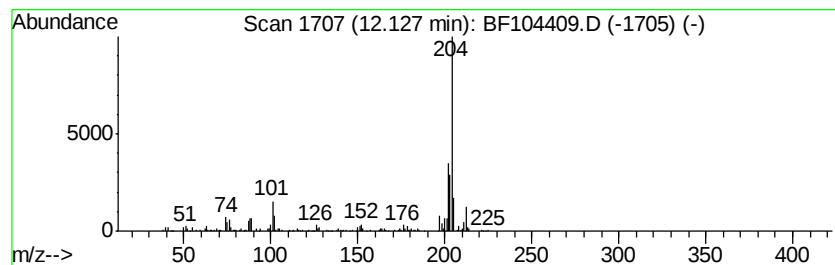
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 6-Phenylbenzocyclohepten-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	7.42 ng	302258	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
HD-01-040918

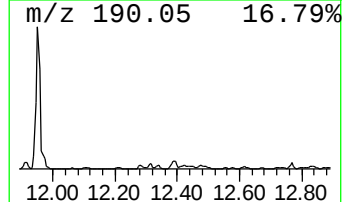
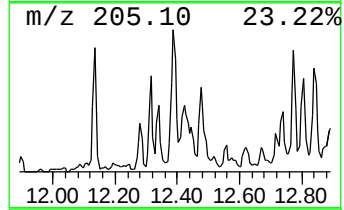
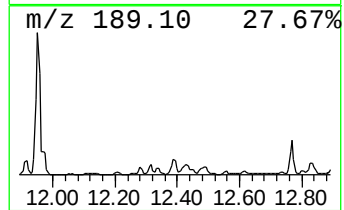
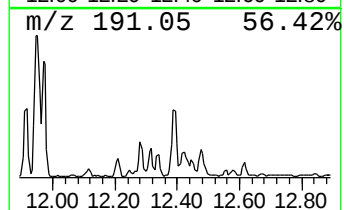
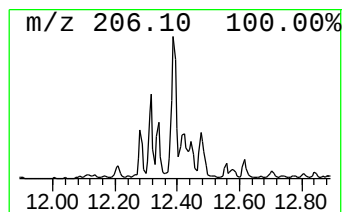
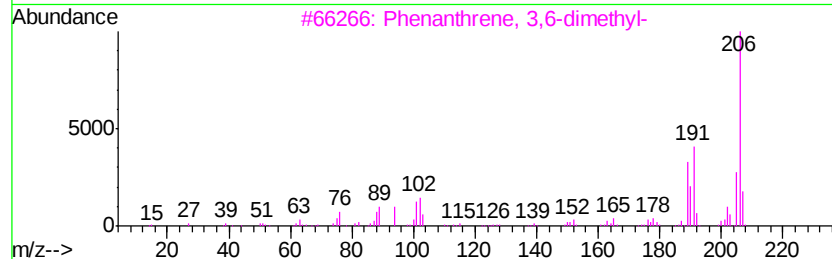
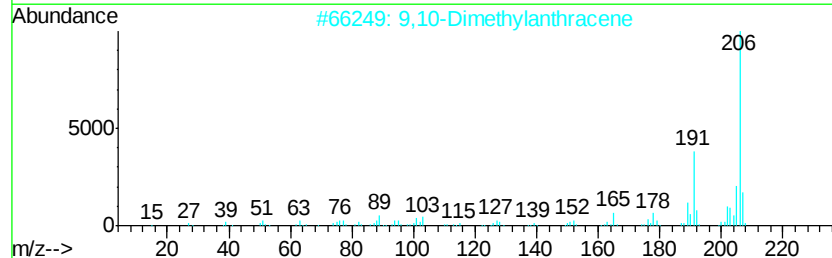
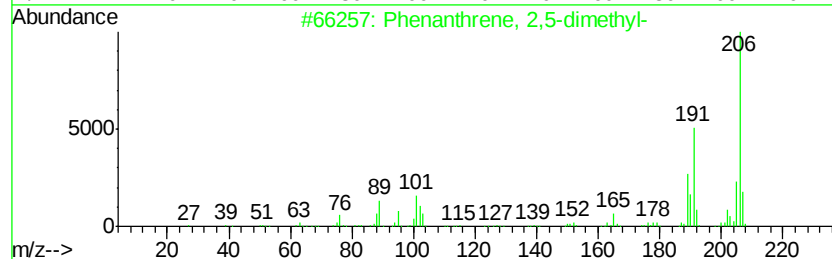
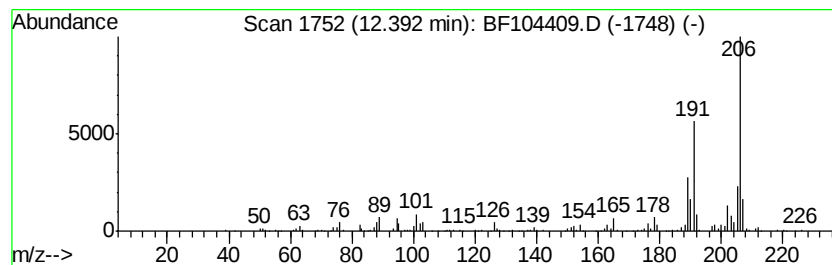
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	8.44 ng	343974	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-040918

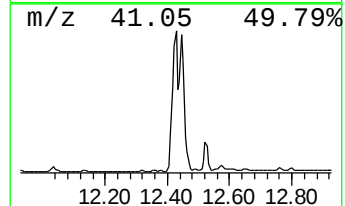
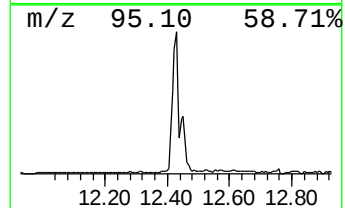
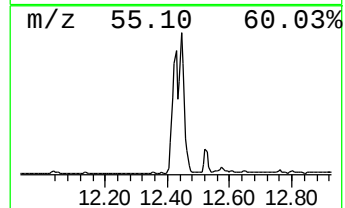
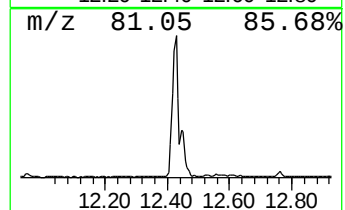
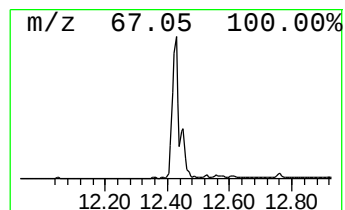
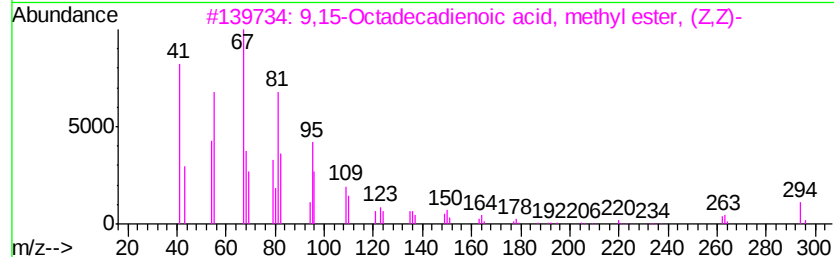
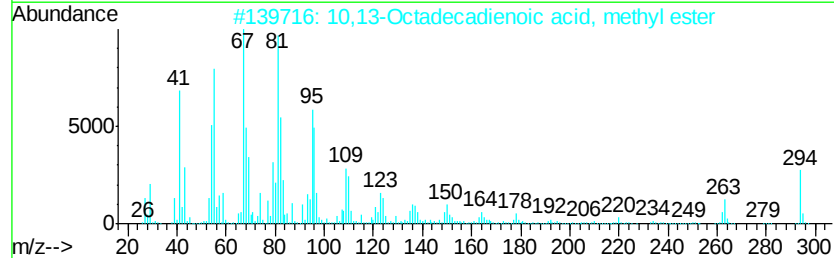
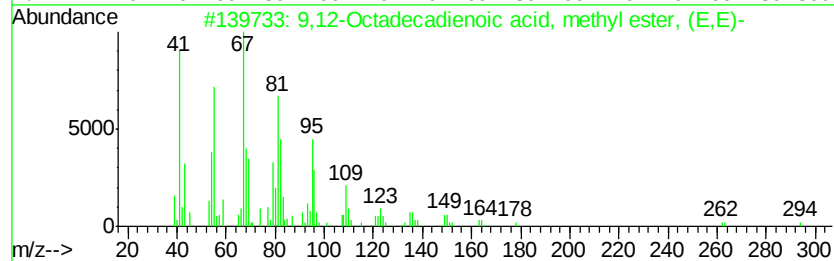
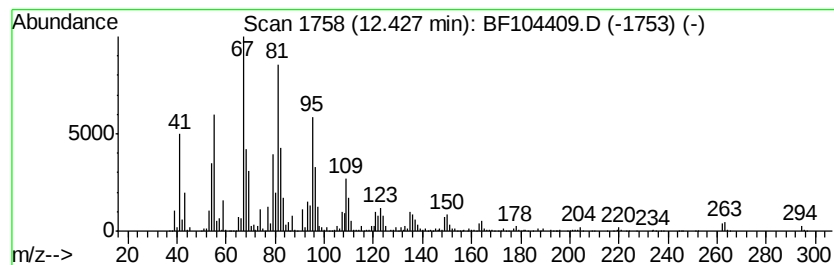
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	166.00 ng	6765500	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2			10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3			9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	99
4			9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5			Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-040918

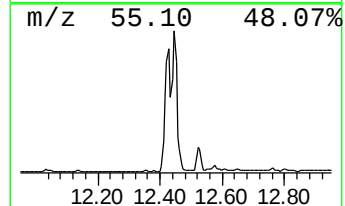
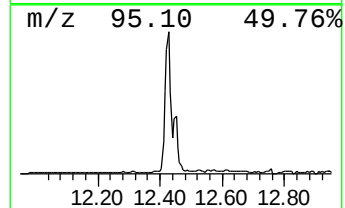
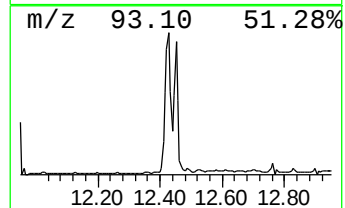
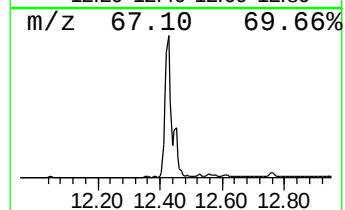
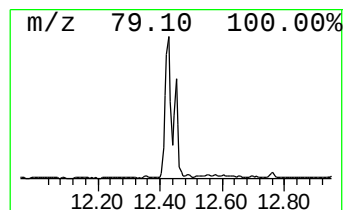
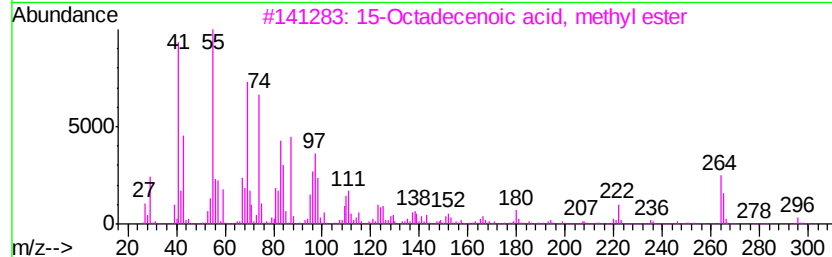
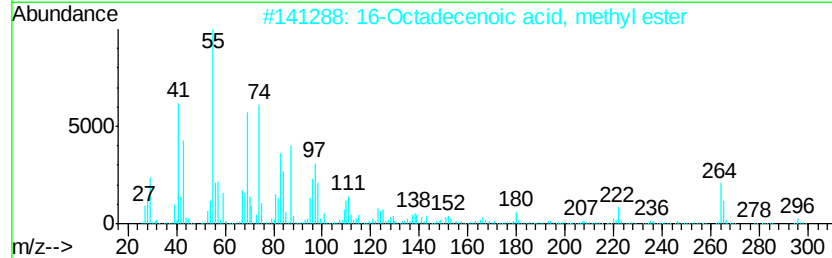
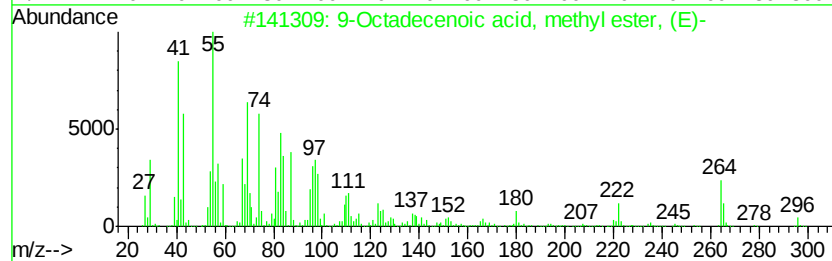
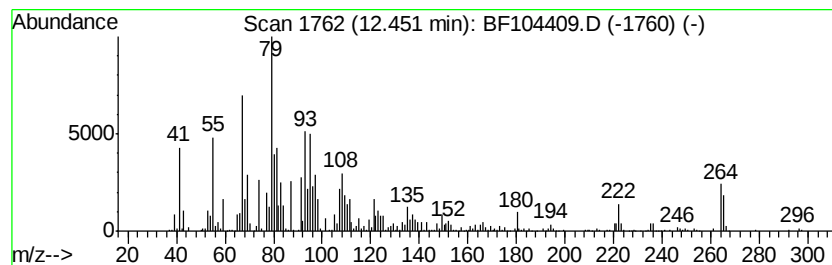
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9-Octadecenoic acid, methyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	97.13 ng	3958850	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
2			16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3			15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4			10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
5			11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
Sample : J2156-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-040918

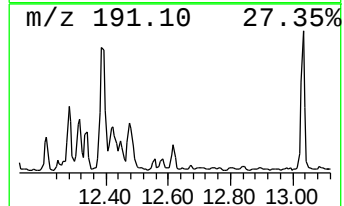
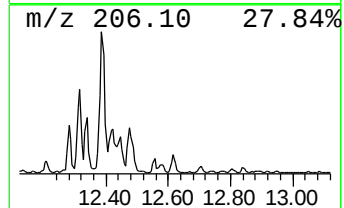
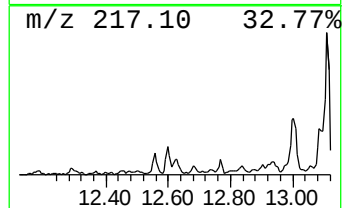
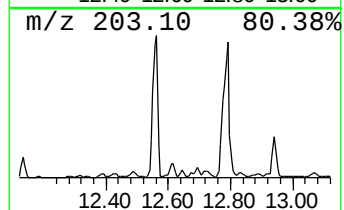
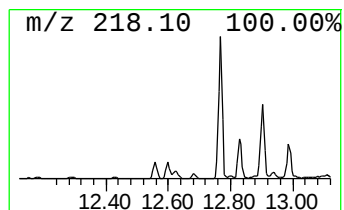
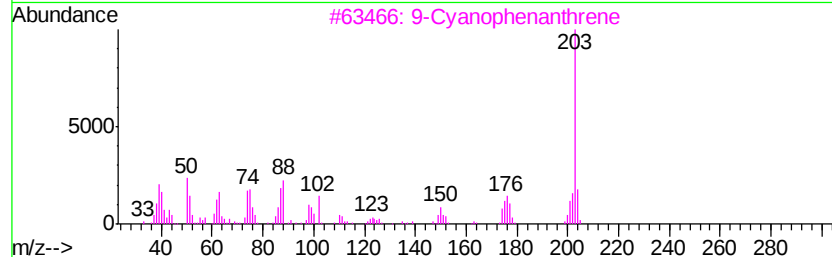
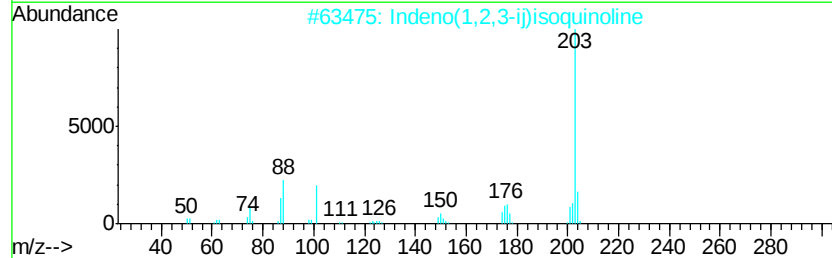
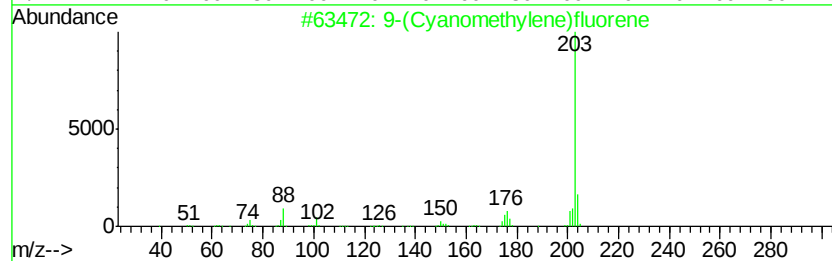
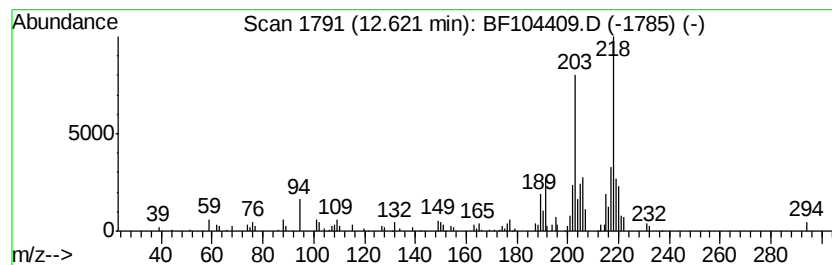
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9-(Cyanomethylene)fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	6.20 ng	252520	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	86
2		Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	50
3		9-Cyanophenanthrene	203	C15H9N	002510-55-6	50
4		9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	50
5		Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
Data File : BF104409.D
Acq On : 10 Apr 2018 15:27
Operator : JU/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-040918

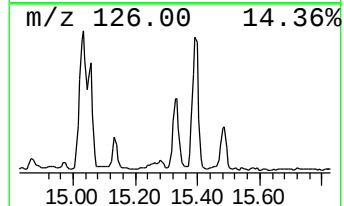
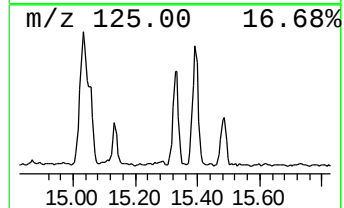
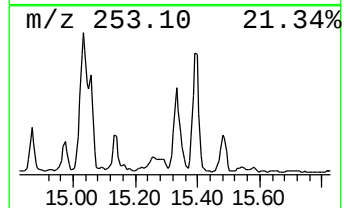
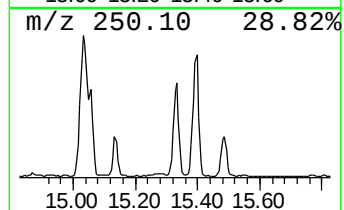
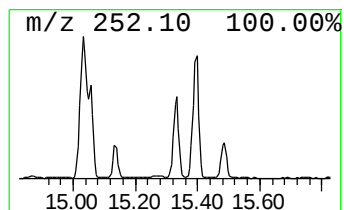
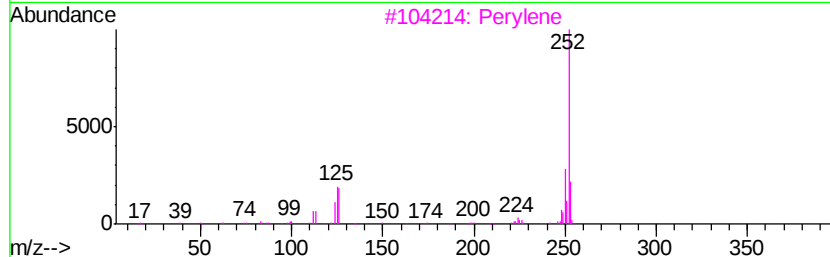
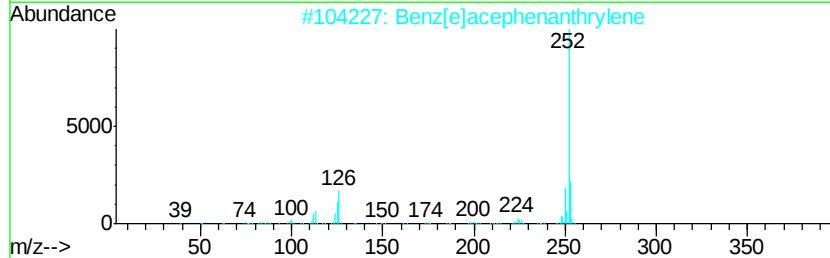
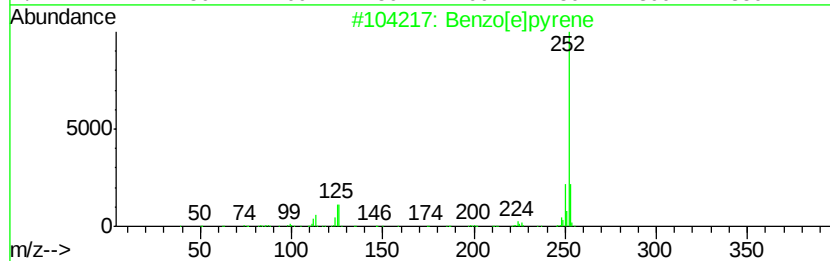
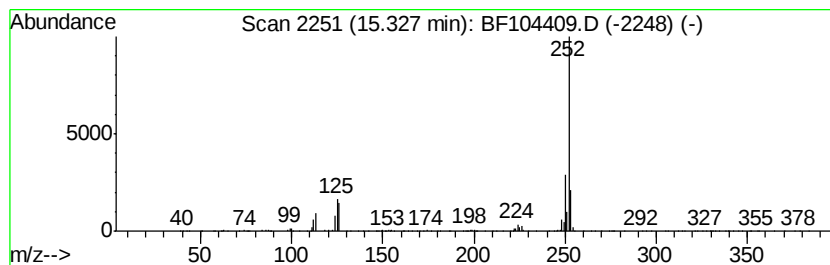
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	27.39 ng	762144	Perylene-d12	15.46

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
 Data File : BF104409.D
 Acq On : 10 Apr 2018 15:27
 Operator : JU/SJ
 Sample : J2156-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-040918

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	34.5	ng	1359140	1	6.80	788069	20.0
Naphthalene, 2,6-...	9.43	7.7	ng	376007	3	9.85	981943	20.0
Naphthalene, 2,3-...	9.50	9.2	ng	451227	3	9.85	981943	20.0
2-Bromo dodecane	10.75	9.0	ng	365220	4	11.34	815144	20.0
9H-Fluorene, 1-me...	10.94	6.1	ng	248131	4	11.34	815144	20.0
Pentadecane	11.20	7.0	ng	283372	4	11.34	815144	20.0
Hexadecanoic acid...	11.73	57.5	ng	2344740	4	11.34	815144	20.0
Phenanthrene, 2-m...	11.84	14.6	ng	596138	4	11.34	815144	20.0
4H-Cyclopenta[def...	11.95	23.2	ng	944298	4	11.34	815144	20.0
Phenanthrene, 4-m...	11.97	7.3	ng	298379	4	11.34	815144	20.0
6-Phenylbenzocycl...	12.13	7.4	ng	302258	4	11.34	815144	20.0
Phenanthrene, 2,5...	12.39	8.4	ng	343974	4	11.34	815144	20.0
9,12-Octadecadien...	12.43	166.0	ng	6765500	4	11.34	815144	20.0
9-Octadecenoic ac...	12.45	97.1	ng	3958850	4	11.34	815144	20.0
9-(Cyanomethylene...	12.62	6.2	ng	252520	4	11.34	815144	20.0
Benzo[e]pyrene	15.33	27.4	ng	762144	6	15.46	556543	20.0