

Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
 Data File : BF102767.D
 Acq On : 6 Feb 2018 5:18
 Operator : SJ/JU
 Sample : J1454-07
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-7-EW(2-4)

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-BF020318.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	2.175	8	15	23	rVB	454672	618039	14.68%	0.811%
2	3.975	317	321	327	rVB	75238	97644	2.32%	0.128%
3	4.534	412	416	424	rVB4	40088	75585	1.79%	0.099%
4	5.104	510	513	519	rVB	158897	190787	4.53%	0.250%
5	5.498	571	580	583	rBV	3826870	3894594	92.49%	5.111%
6	6.504	743	751	754	rVV	3801665	4210920	100.00%	5.526%
7	6.651	771	776	779	rBV	3821028	3941457	93.60%	5.173%
8	6.704	782	785	789	rBV2	116627	120671	2.87%	0.158%
9	6.881	811	815	819	rVB	1711760	1386479	32.93%	1.820%
10	7.039	837	842	844	rBV	3397176	3265458	77.55%	4.285%
11	7.198	864	869	876	rBV2	111555	136252	3.24%	0.179%
12	7.275	876	882	886	rBV2	119619	125209	2.97%	0.164%
13	7.445	906	911	914	rVB	2916546	2966922	70.46%	3.894%
14	7.510	919	922	927	rVB5	63646	90916	2.16%	0.119%
15	7.898	986	988	991	rVV2	91044	81093	1.93%	0.106%
16	8.163	1027	1033	1035	rVV	2200361	2011769	47.78%	2.640%
17	8.186	1035	1037	1040	rVB	1530659	1158149	27.50%	1.520%
18	8.516	1089	1093	1095	rBV2	62846	74551	1.77%	0.098%
19	8.875	1151	1154	1157	rVB	734356	557919	13.25%	0.732%
20	8.928	1158	1163	1166	rBV2	56860	70436	1.67%	0.092%
21	8.975	1166	1171	1174	rVB	505857	417862	9.92%	0.548%
22	9.239	1211	1216	1219	rBV	4188144	3802207	90.29%	4.990%
23	9.310	1225	1228	1230	rBV	103103	95872	2.28%	0.126%
24	9.339	1230	1233	1236	rVB	167872	154203	3.66%	0.202%
25	9.433	1246	1249	1254	rVB	104836	105841	2.51%	0.139%
26	9.504	1256	1261	1264	rVB	187923	253426	6.02%	0.333%
27	9.575	1269	1273	1275	rVV	310610	308742	7.33%	0.405%
28	9.598	1275	1277	1280	rVV	198980	180429	4.28%	0.237%
29	9.628	1280	1282	1286	rVV	460776	375238	8.91%	0.492%
30	9.692	1290	1293	1298	rVB	161514	158830	3.77%	0.208%
31	9.775	1305	1307	1311	rVB	113239	98166	2.33%	0.129%
32	9.845	1311	1319	1321	rBV	183084	172655	4.10%	0.227%
33	9.922	1328	1332	1334	rVB	1813812	1695343	40.26%	2.225%
34	9.951	1334	1337	1340	rVB	1383736	1087395	25.82%	1.427%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.022	1345	1349	1353	rBV	68223	89850	2.13%	0.118%
36	10.075	1353	1358	1361	rBV3	101701	139728	3.32%	0.183%
37	10.122	1361	1366	1369	rVB	791262	706546	16.78%	0.927%
38	10.157	1369	1372	1378	rVB2	137694	135481	3.22%	0.178%
39	10.233	1381	1385	1387	rBV2	118157	109033	2.59%	0.143%
40	10.263	1387	1390	1392	rBV	111897	96643	2.30%	0.127%
41	10.322	1397	1400	1402	rBV2	133899	150189	3.57%	0.197%
42	10.345	1402	1404	1407	rVB	267251	202866	4.82%	0.266%
43	10.463	1421	1424	1430	rVB	1100480	1024129	24.32%	1.344%
44	10.516	1430	1433	1434	rBV2	84609	85292	2.03%	0.112%
45	10.527	1434	1435	1437	rVV	124917	96195	2.28%	0.126%
46	10.551	1437	1439	1445	rVV3	223918	294412	6.99%	0.386%
47	10.598	1445	1447	1449	rVV	103447	105501	2.51%	0.138%
48	10.622	1449	1451	1454	rVB	245281	191490	4.55%	0.251%
49	10.704	1459	1465	1469	rBV	2066464	1881239	44.68%	2.469%
50	10.816	1481	1484	1493	rBV2	265148	396908	9.43%	0.521%
51	11.010	1512	1517	1520	rBV3	207262	261568	6.21%	0.343%
52	11.039	1520	1522	1525	rVB2	131410	104810	2.49%	0.138%
53	11.098	1530	1532	1534	rVB2	101257	74650	1.77%	0.098%
54	11.139	1534	1539	1541	rBV3	116185	143310	3.40%	0.188%
55	11.163	1541	1543	1548	rVV2	133198	143936	3.42%	0.189%
56	11.210	1548	1551	1554	rVV2	211184	198973	4.73%	0.261%
57	11.263	1555	1560	1563	rVV2	261473	342110	8.12%	0.449%
58	11.298	1563	1566	1572	rVB	442537	468424	11.12%	0.615%
59	11.410	1581	1585	1586	rBV	1448157	1467539	34.85%	1.926%
60	11.433	1586	1589	1592	rVV	4177035	4150507	98.57%	5.447%
61	11.480	1592	1597	1600	rVB	1545119	1357706	32.24%	1.782%
62	11.510	1600	1602	1605	rVB	229519	209707	4.98%	0.275%
63	11.563	1608	1611	1612	rBV	73970	73466	1.74%	0.096%
64	11.633	1617	1623	1626	rBV2	793713	844620	20.06%	1.108%
65	11.692	1630	1633	1636	rVV4	180021	218032	5.18%	0.286%
66	11.733	1638	1640	1646	rVB3	119091	144128	3.42%	0.189%
67	11.904	1666	1669	1671	rBV	531177	503392	11.95%	0.661%
68	11.933	1671	1674	1677	rVB2	1081689	1116724	26.52%	1.466%
69	11.980	1680	1682	1685	rVB	280254	230814	5.48%	0.303%
70	12.022	1685	1689	1691	rBV2	843257	905922	21.51%	1.189%
71	12.104	1700	1703	1706	rVB2	144860	150487	3.57%	0.197%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	12.163	1711	1713	1717	rBV4	77136	95793	2.27%	0.126%
73	12.204	1717	1720	1722	rVV	352326	341094	8.10%	0.448%
74	12.222	1722	1723	1727	rVB	241771	208231	4.95%	0.273%
75	12.351	1743	1745	1747	rVB	112588	74355	1.77%	0.098%
76	12.380	1748	1750	1752	rVV	154413	105157	2.50%	0.138%
77	12.404	1752	1754	1757	rVB	110999	84886	2.02%	0.111%
78	12.457	1760	1763	1766	rBV	281850	281618	6.69%	0.370%
79	12.492	1766	1769	1771	rBV2	207628	225907	5.36%	0.296%
80	12.539	1775	1777	1783	rVB3	139210	163682	3.89%	0.215%
81	12.621	1787	1791	1795	rBV	3334276	3286268	78.04%	4.313%
82	12.710	1804	1806	1809	rBV2	195207	200478	4.76%	0.263%
83	12.851	1824	1830	1835	rBV2	2547807	3465814	82.31%	4.548%
84	12.969	1847	1850	1851	rBV	184707	183748	4.36%	0.241%
85	12.992	1851	1854	1860	rVB	2404477	2339335	55.55%	3.070%
86	13.063	1862	1866	1870	rBV3	248201	412093	9.79%	0.541%
87	13.174	1883	1885	1889	rVB	601855	505816	12.01%	0.664%
88	13.245	1894	1897	1899	rVB	464919	407751	9.68%	0.535%
89	13.280	1900	1903	1905	rVV2	252559	261562	6.21%	0.343%
90	13.821	1993	1995	1997	rBV	203736	154468	3.67%	0.203%
91	13.880	2002	2005	2010	rVB2	707224	735962	17.48%	0.966%
92	14.039	2029	2032	2036	rBV3	1627408	2439738	57.94%	3.202%
93	14.074	2036	2038	2043	rVB	1496948	1275805	30.30%	1.674%
94	14.151	2049	2051	2054	rVB	293556	259663	6.17%	0.341%
95	15.098	2208	2212	2215	rBV	1047027	1636740	38.87%	2.148%
96	15.404	2261	2264	2270	rVB	616039	893913	21.23%	1.173%
97	15.468	2271	2275	2281	rBV	891386	1188950	28.23%	1.560%
98	15.533	2282	2286	2289	rBV	637117	806481	19.15%	1.058%
99	17.021	2534	2539	2548	rVB2	388899	822734	19.54%	1.080%
100	17.474	2612	2616	2626	rVB	281096	544071	12.92%	0.714%

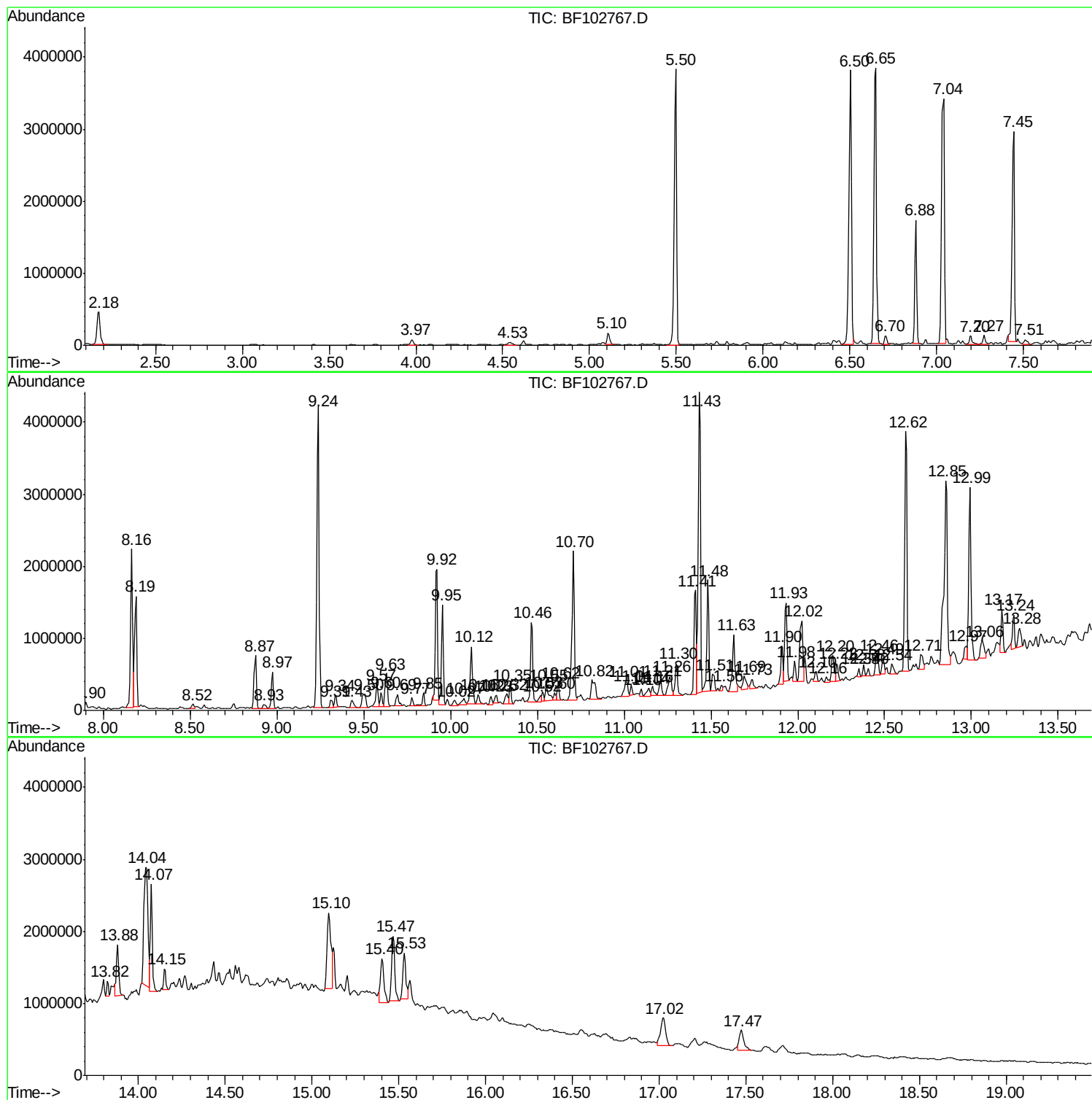
Sum of corrected areas: 76199499

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.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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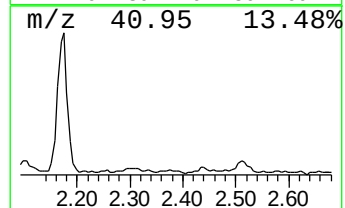
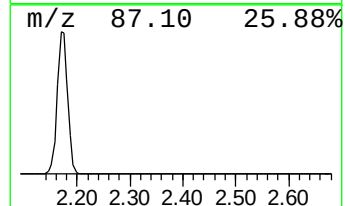
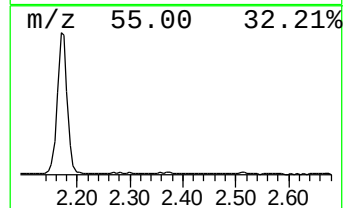
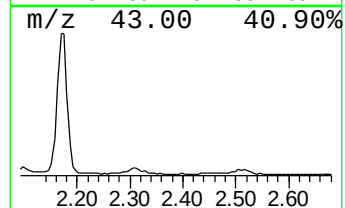
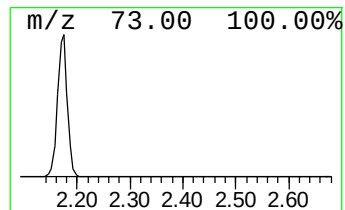
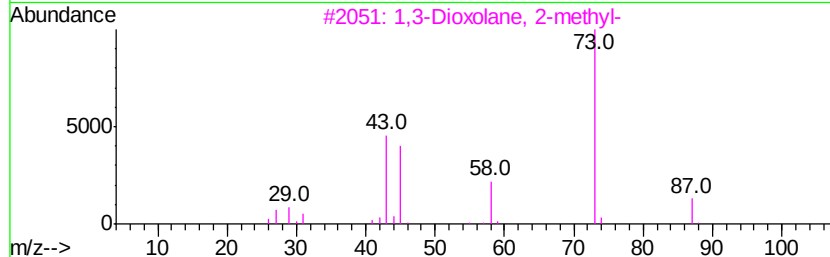
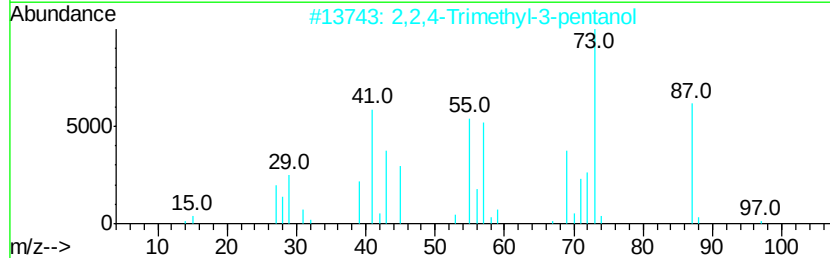
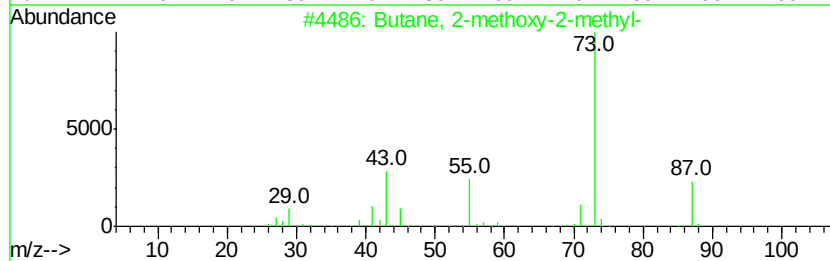
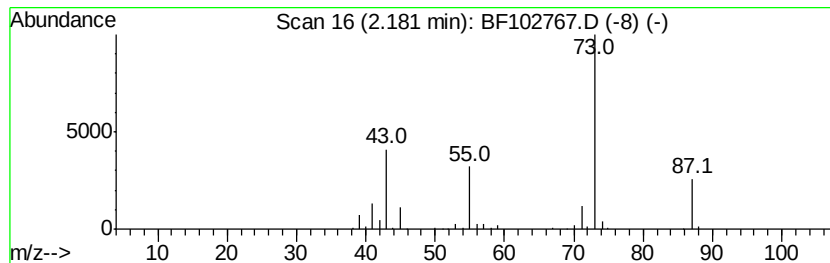
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	8.92 ng	618039	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	10



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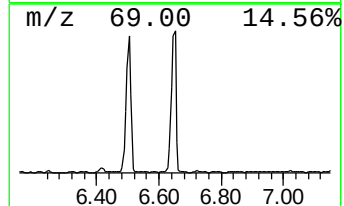
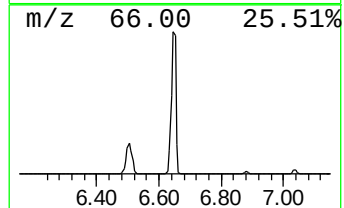
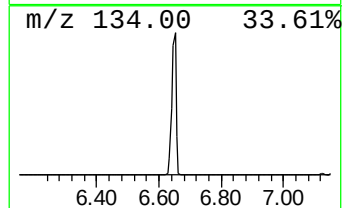
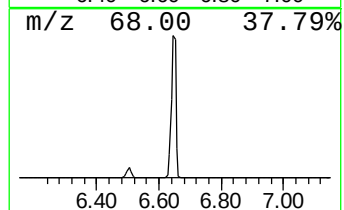
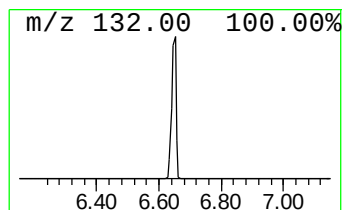
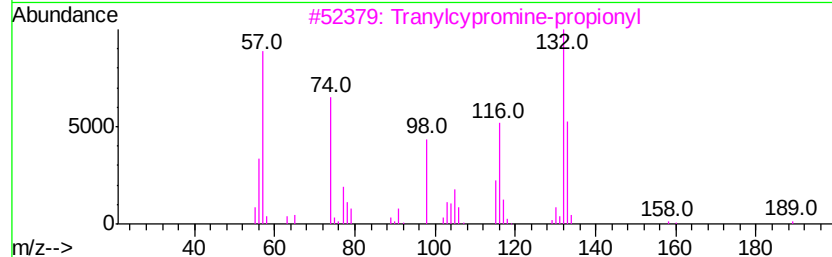
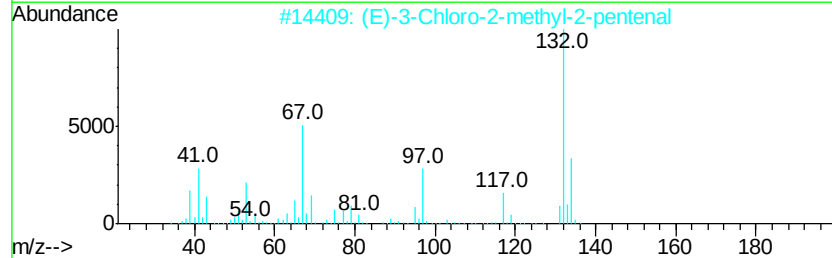
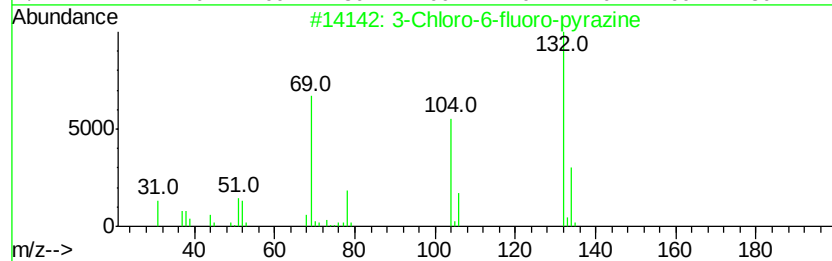
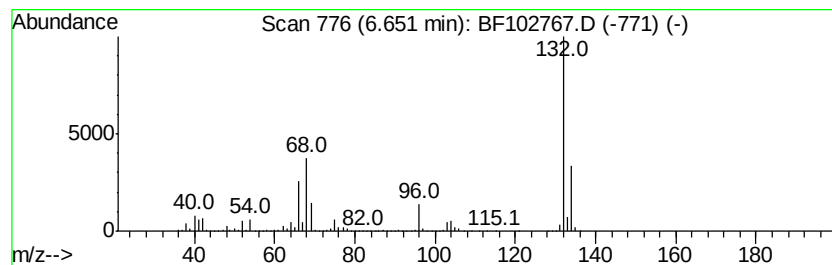
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	56.86 ng	3941460	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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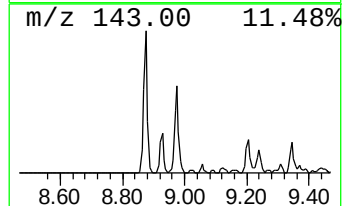
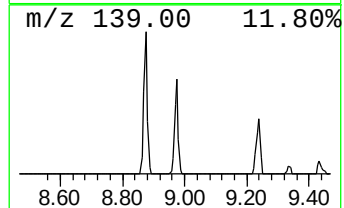
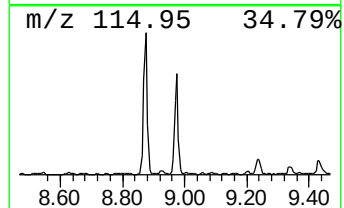
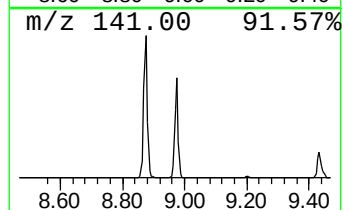
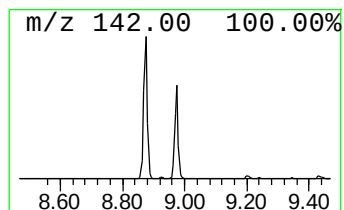
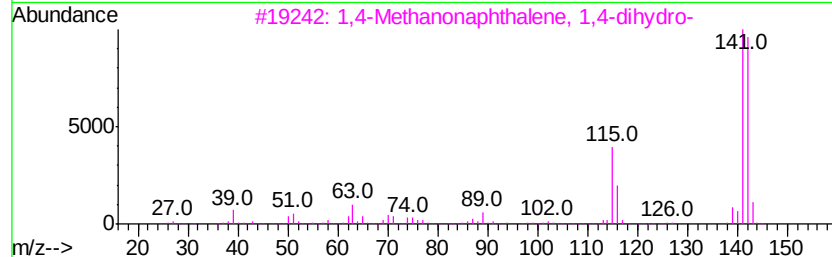
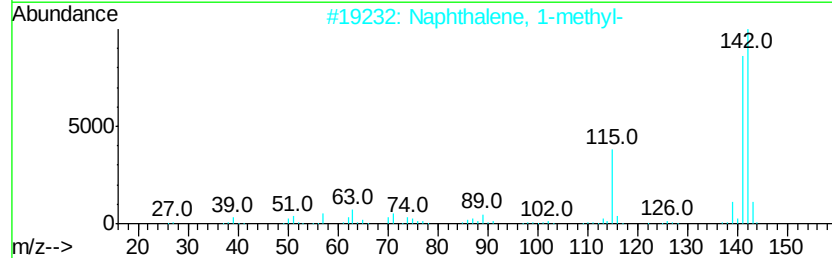
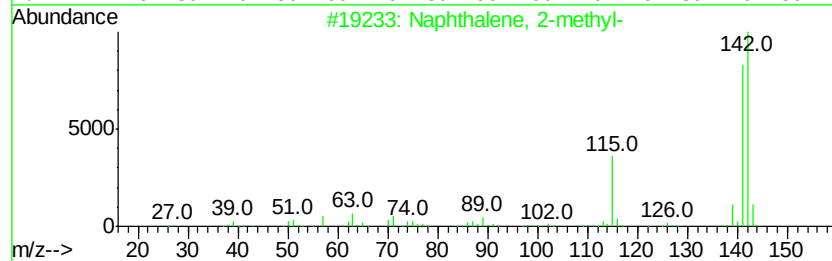
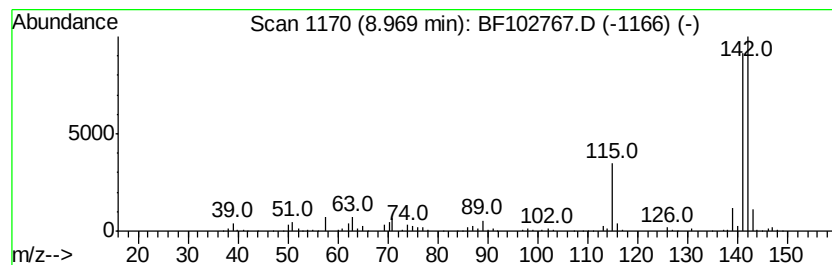
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	4.15 ng	417862	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	49



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Operator : SJ/JU
Sample : J1454-07
Misc :
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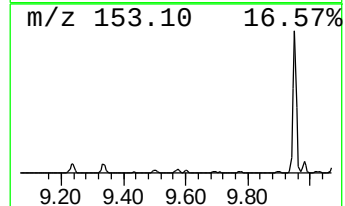
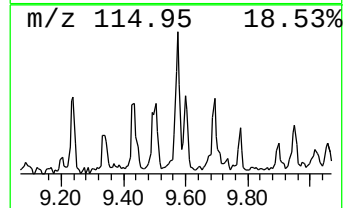
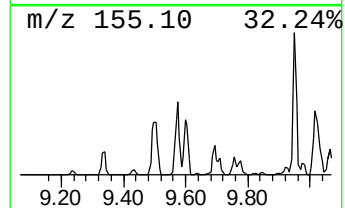
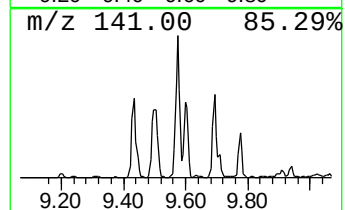
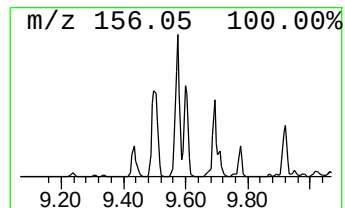
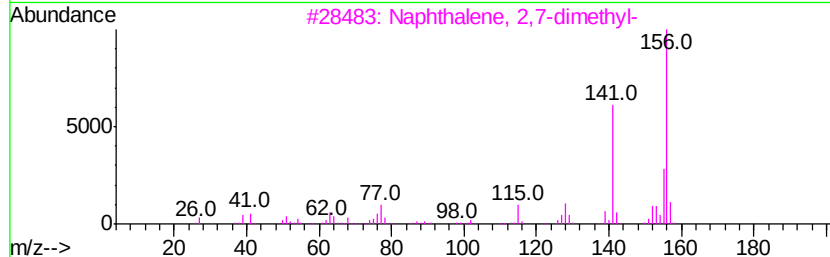
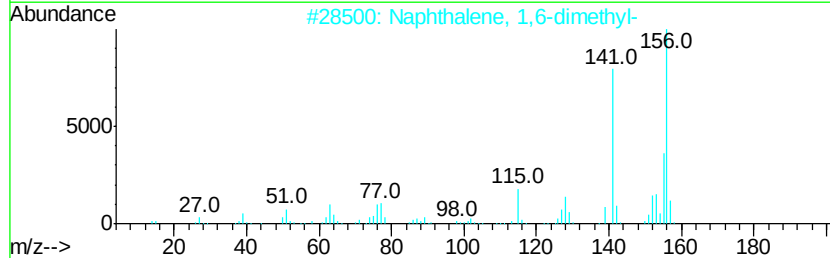
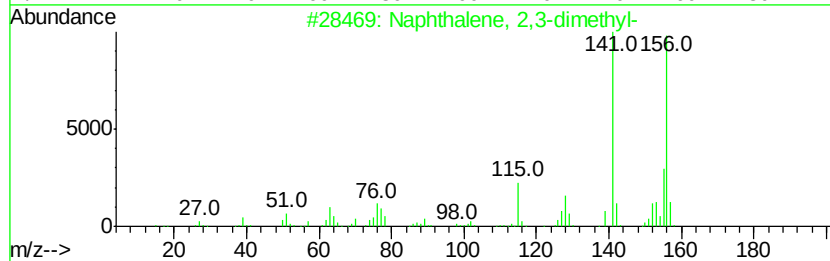
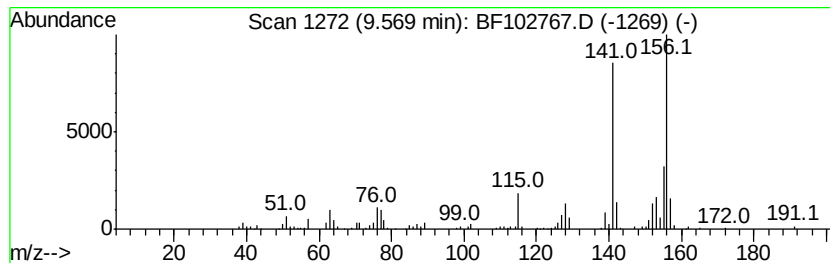
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ClientSampleId :
8-SAN-7-EW(2-4)

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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 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	3.64 ng	308742	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
4		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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Operator : SJ/JU
Sample : J1454-07
Misc :
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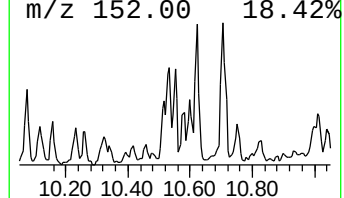
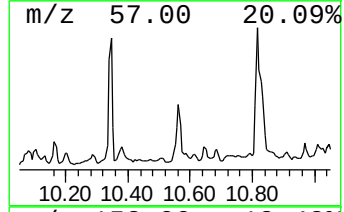
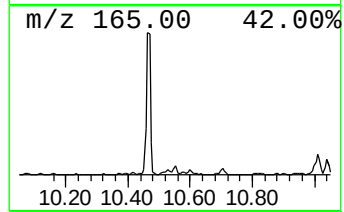
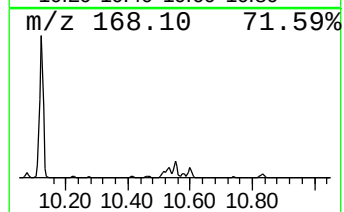
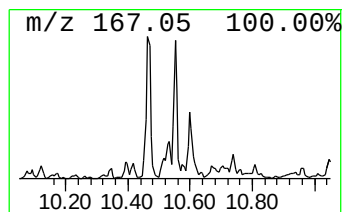
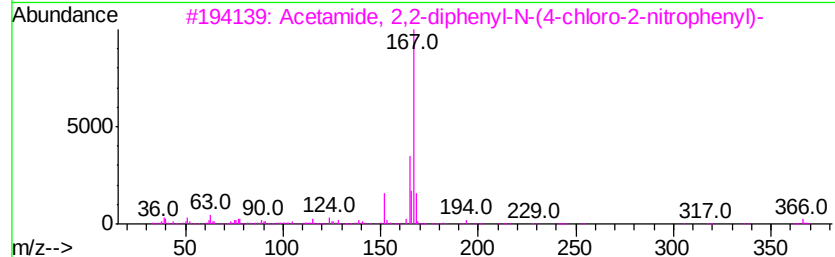
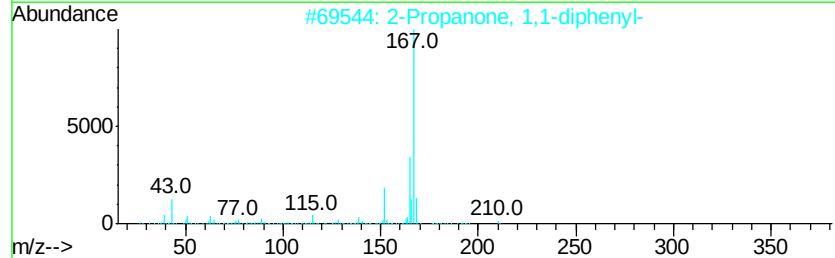
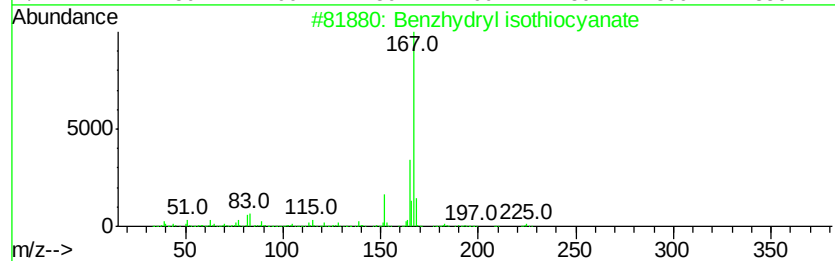
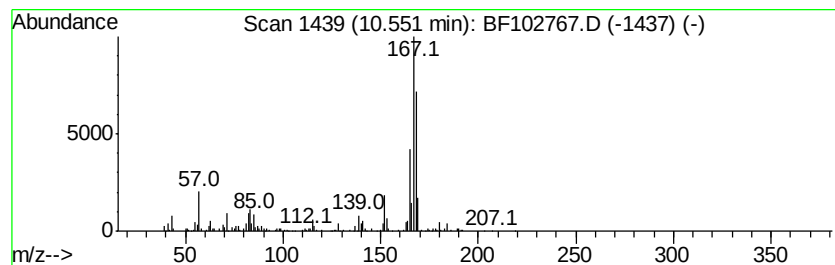
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzhydryl isothiocyanate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	3.47 ng	294412	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzhydryl isothiocyanate	225 C14H11NS	003550-21-8 64
2		2-Propanone, 1,1-diphenyl-	210 C15H14O	000781-35-1 64
3		Acetamide, 2,2-diphenyl-N-(4-chl...	366 C20H15ClN2O3	1000295-48-3 59
4		Benzene, 1,1'-(bromomethylene)bis-	246 C13H11Br	000776-74-9 59
5		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 55



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
Data File : BF102767.D
Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
Sample : J1454-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

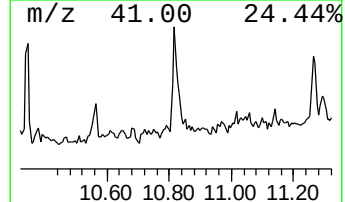
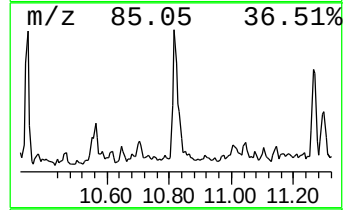
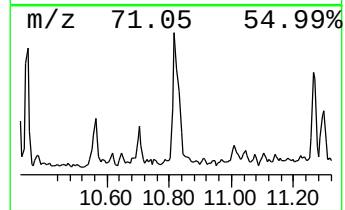
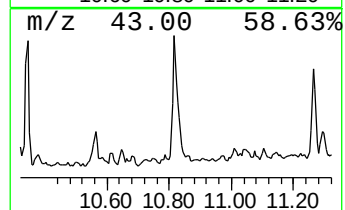
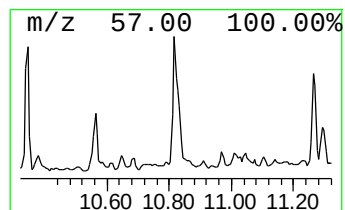
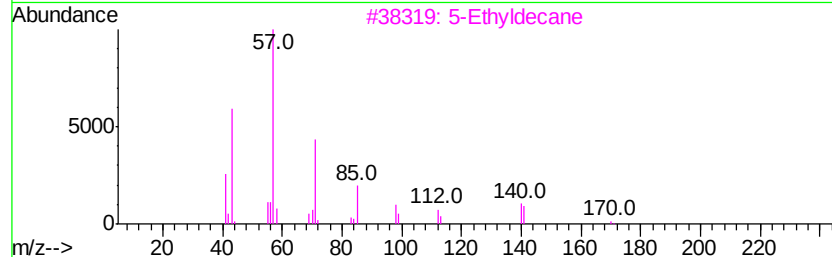
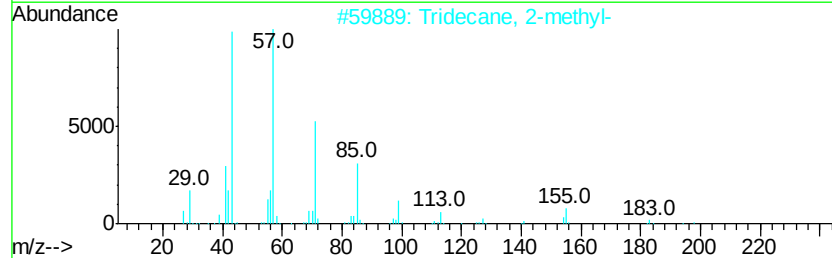
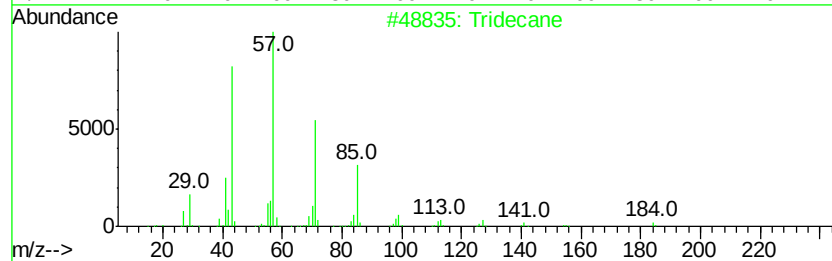
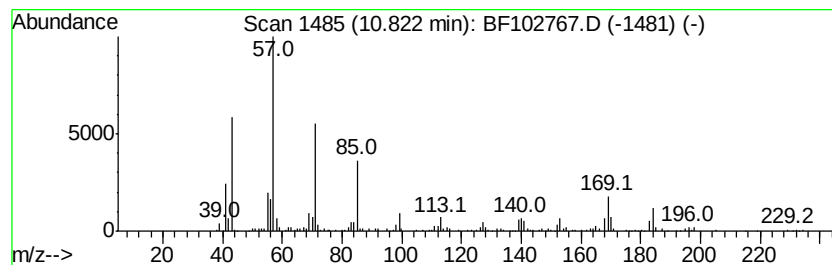
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.82	5.41 ng	396908	Phenanthrene-d10		11.41
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
3	5-Ethyldecane	170	C12H26	017302-36-2	87
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
5	Hexadecane	226	C16H34	000544-76-3	86



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
Data File : BF102767.D
Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
Sample : J1454-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
8-SAN-7-EW(2-4)

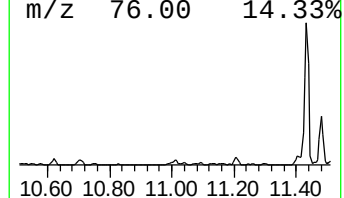
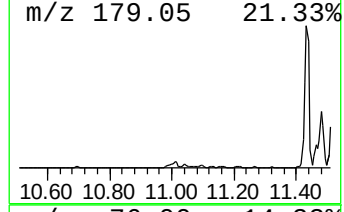
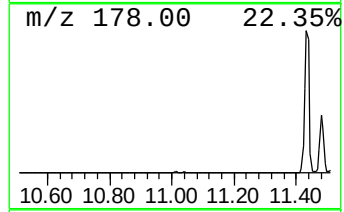
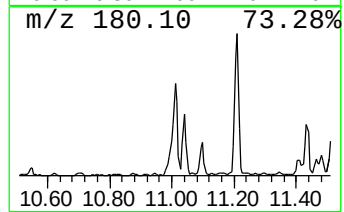
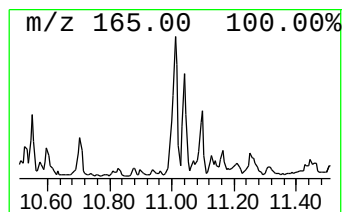
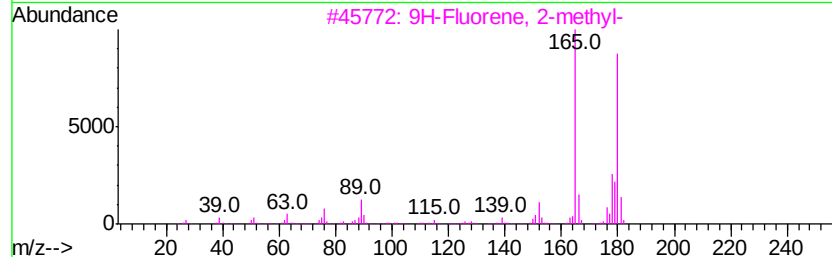
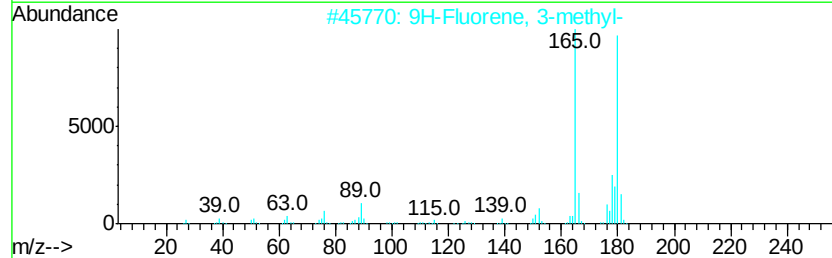
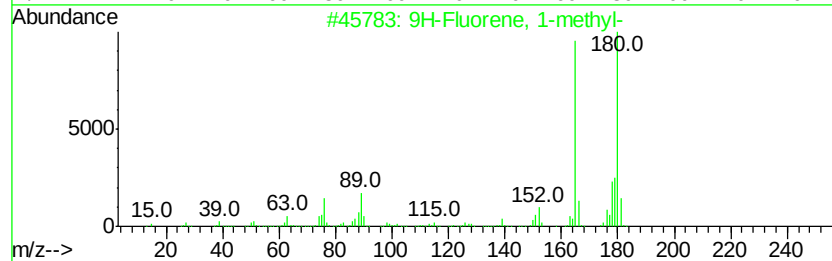
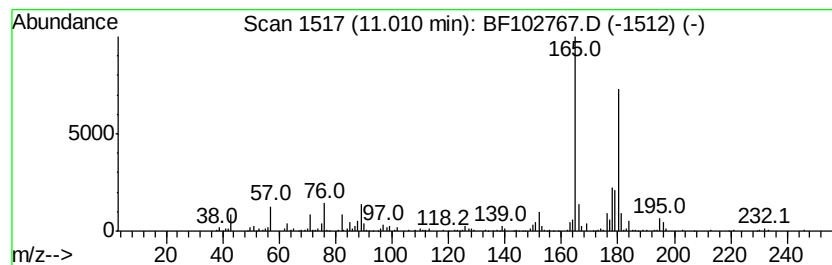
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	3.56 ng	261568	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	58



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
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Misc :
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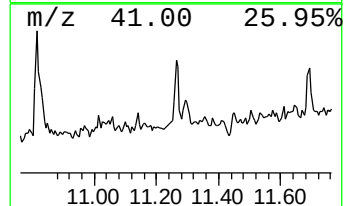
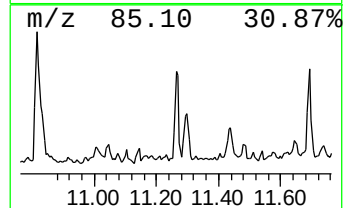
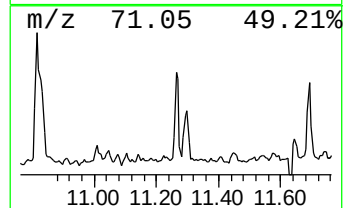
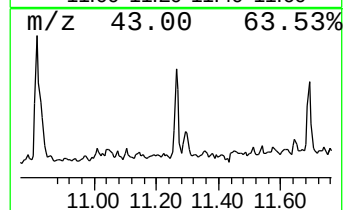
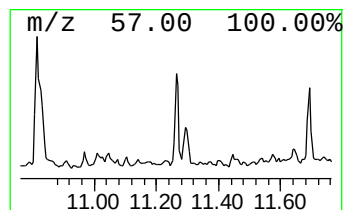
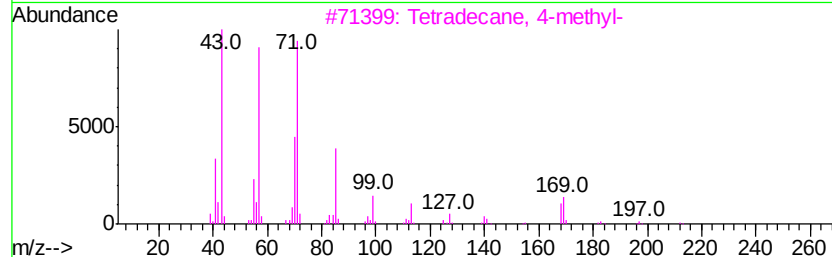
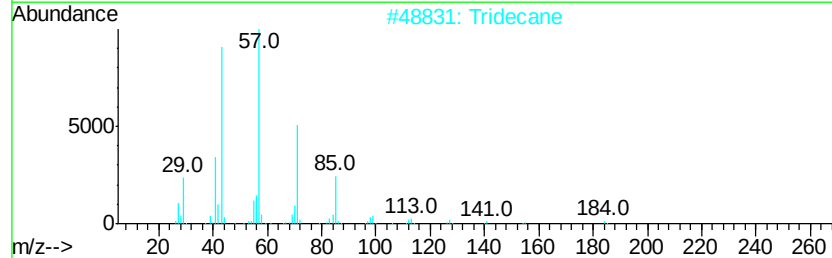
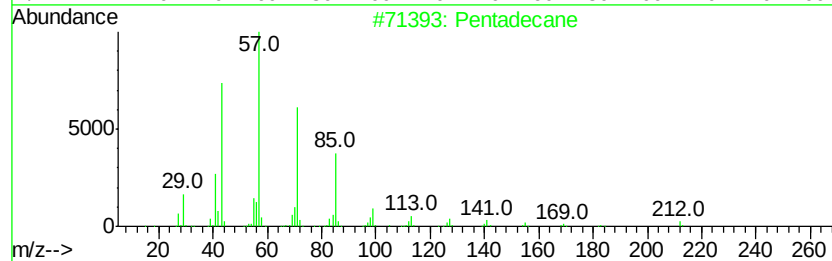
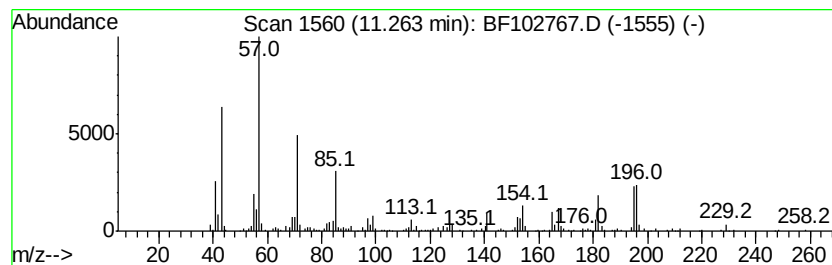
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.26	4.66 ng	342110	Phenanthrene-d10		11.41
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Tridecane	184	C13H28	000629-50-5	50
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	46
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43
5	Hexadecane	226	C16H34	000544-76-3	43



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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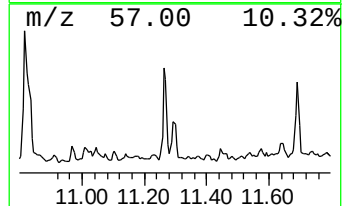
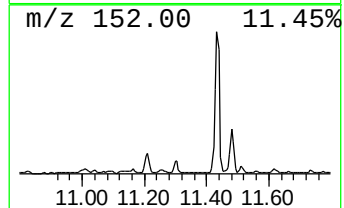
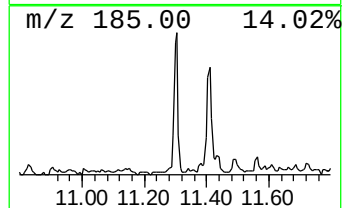
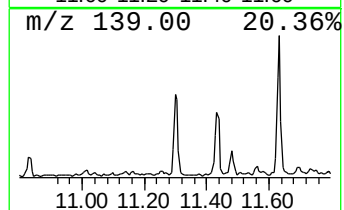
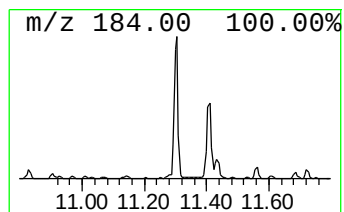
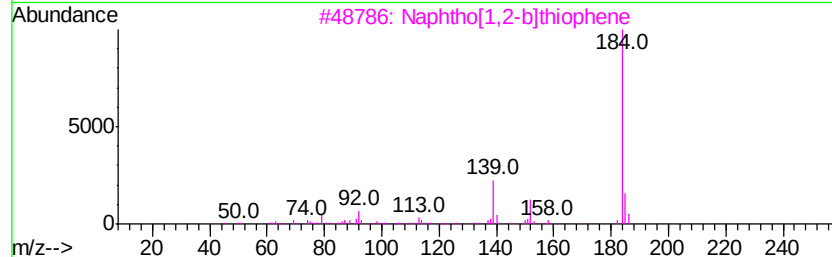
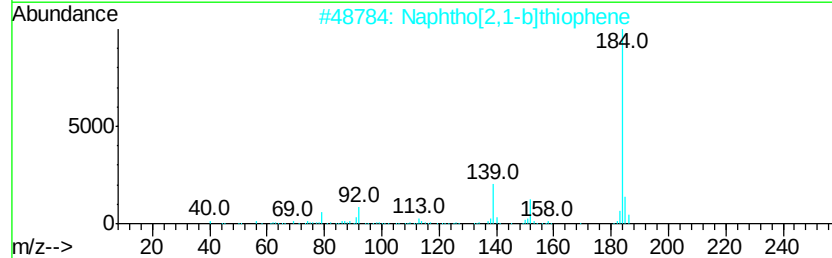
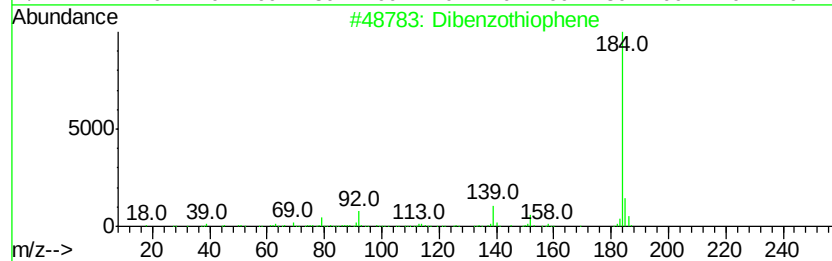
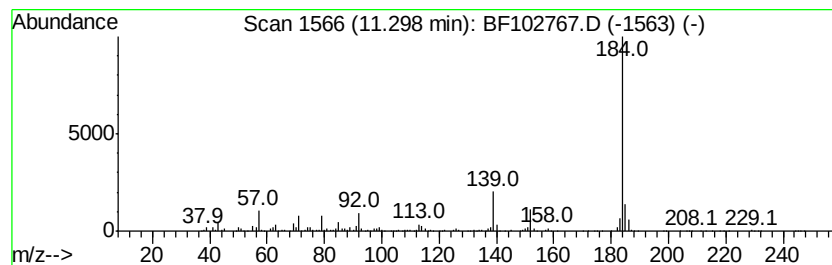
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.30	6.38 ng	468424	Phenanthrene-d10	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	59



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102767.D
Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
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Instrument :
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ClientSampleId :
8-SAN-7-EW(2-4)

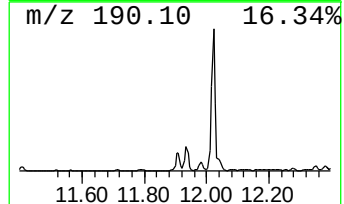
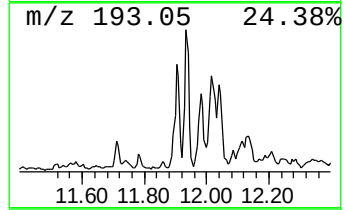
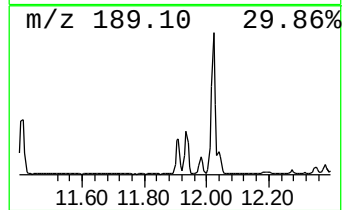
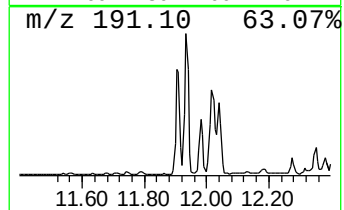
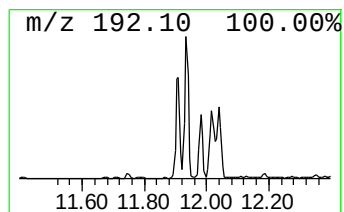
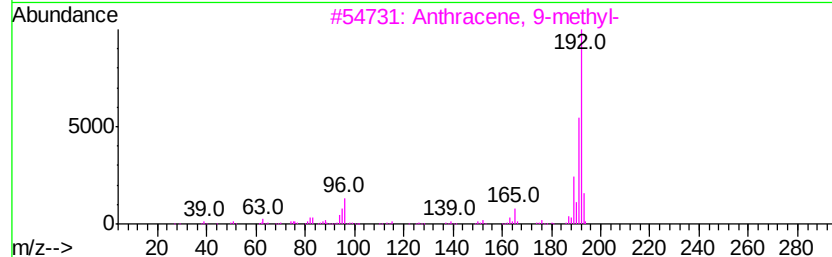
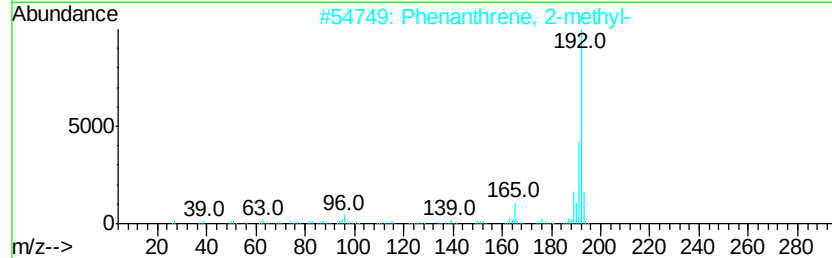
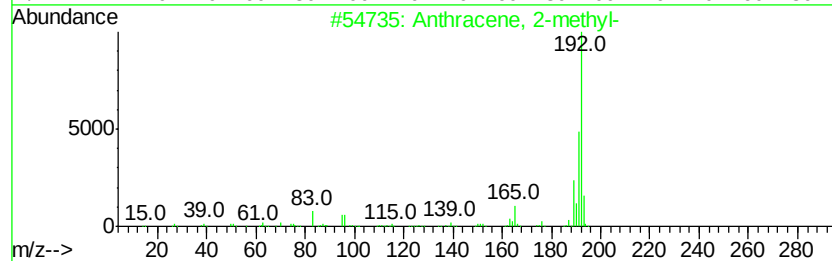
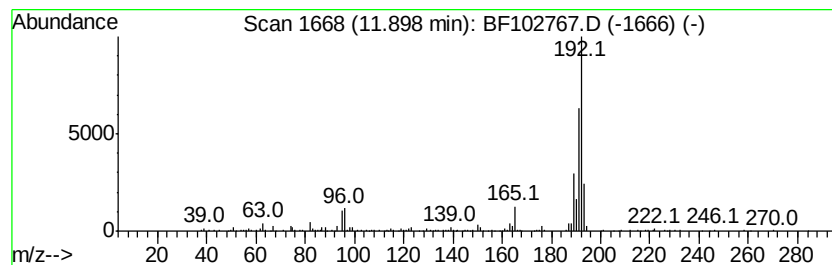
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.86 ng	503392	Phenanthrene-d10	11.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102767.D
Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
Sample : J1454-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

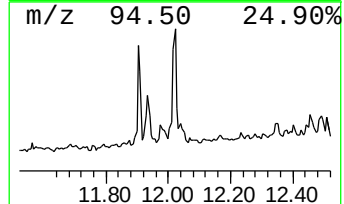
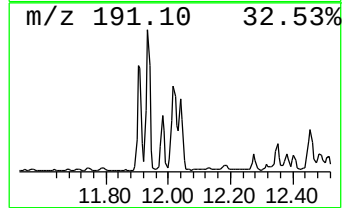
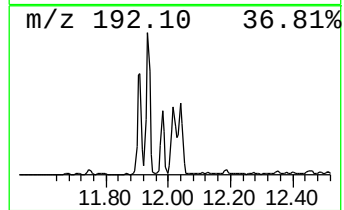
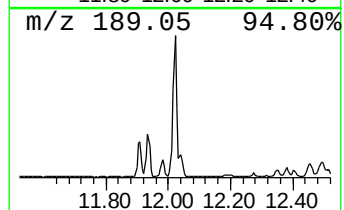
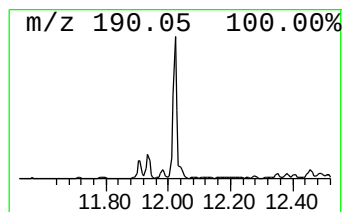
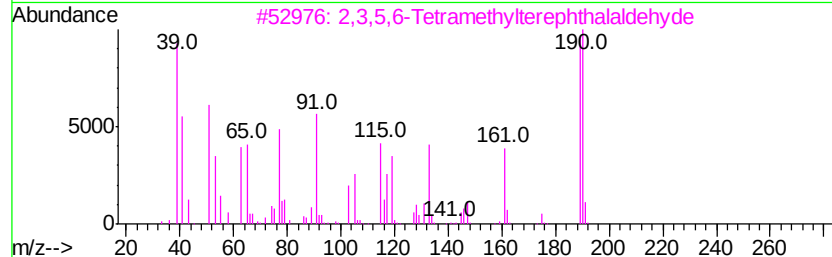
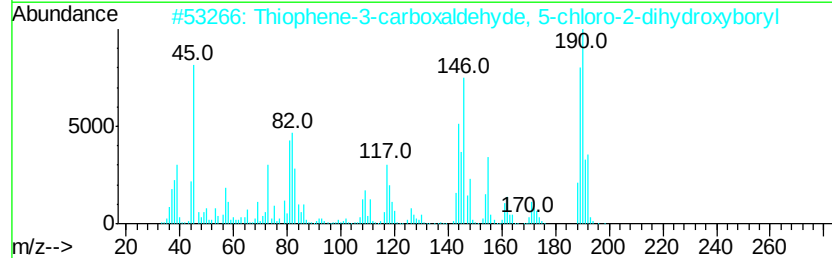
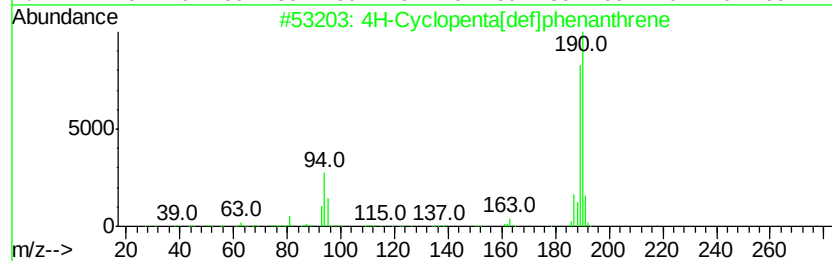
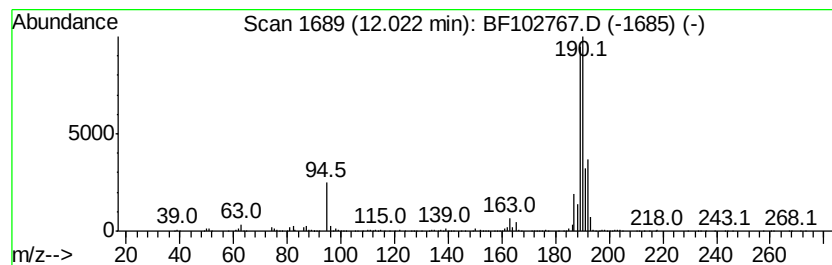
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8-SAN-7-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	12.35 ng	905922	Phenanthrene-d10	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
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Instrument :
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ClientSampleId :
8-SAN-7-EW(2-4)

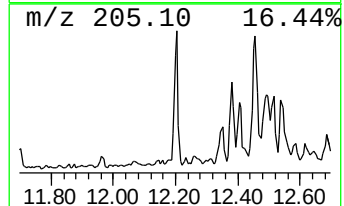
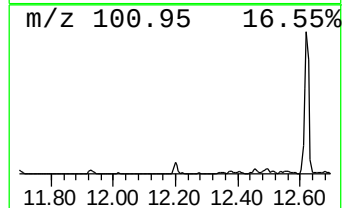
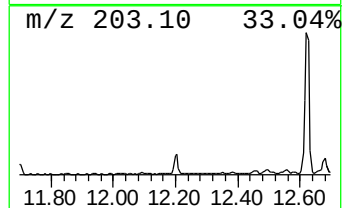
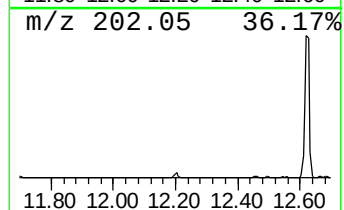
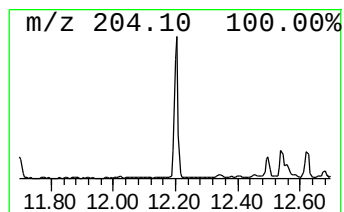
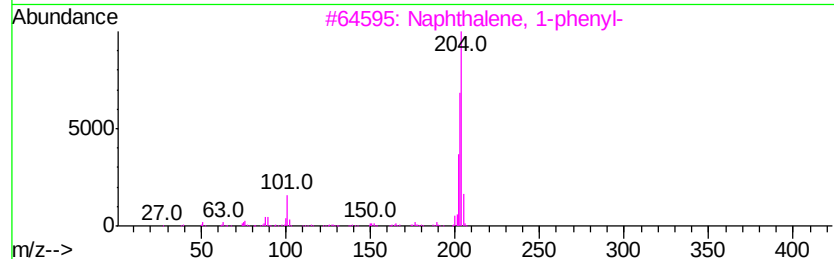
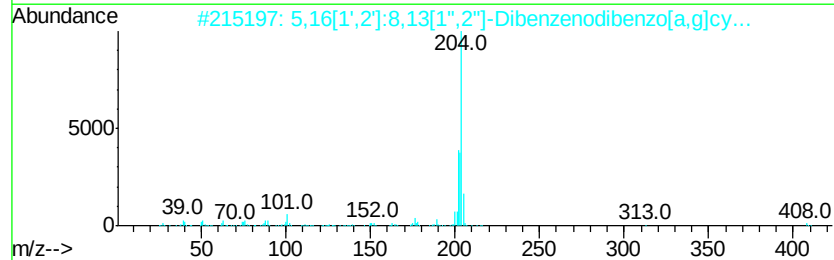
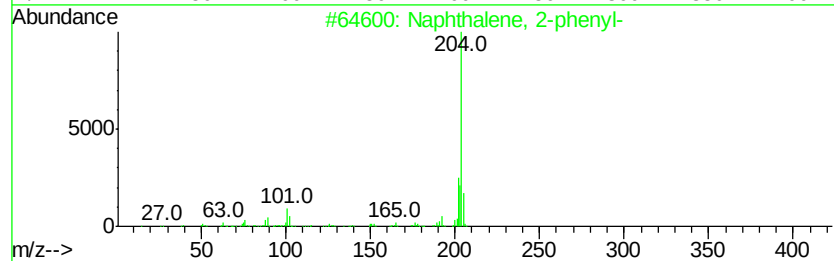
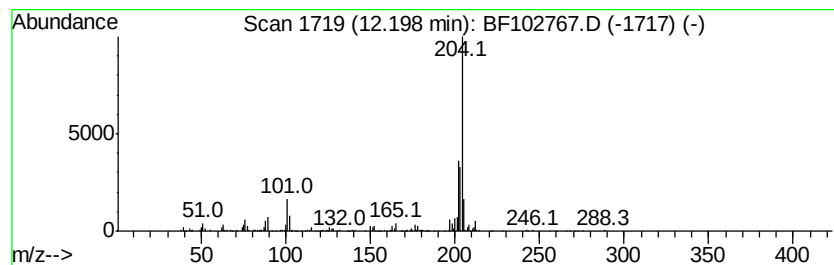
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.65 ng	341094	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
Data File : BF102767.D
Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
Sample : J1454-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-7-EW(2-4)

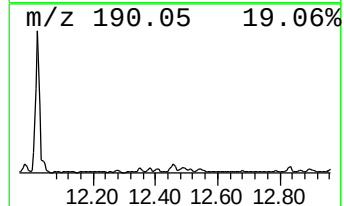
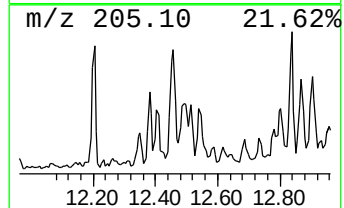
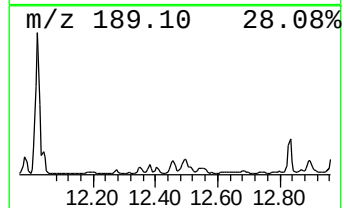
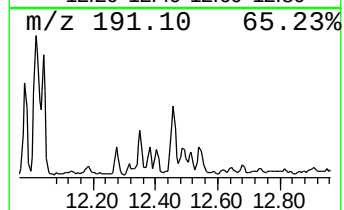
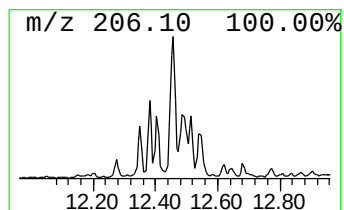
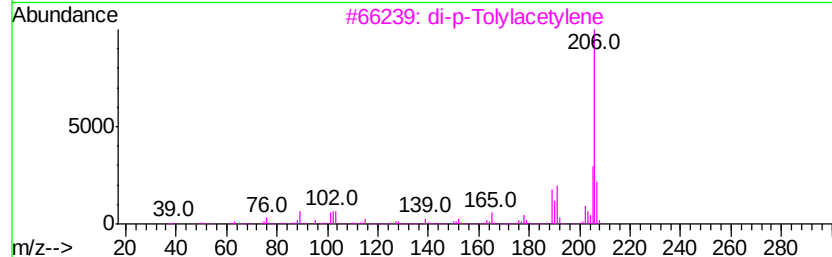
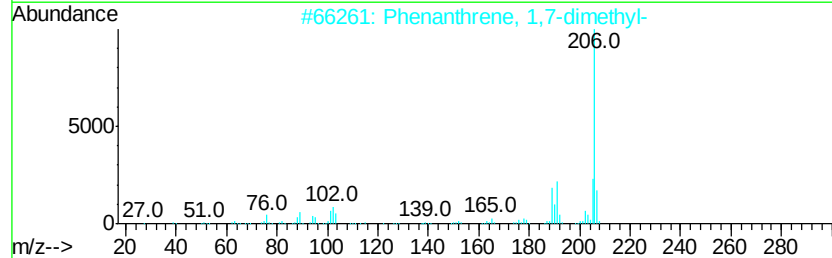
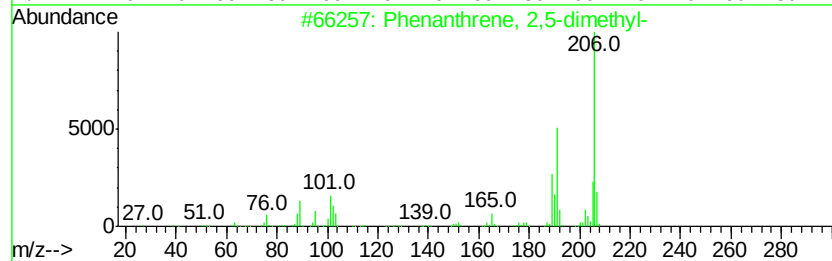
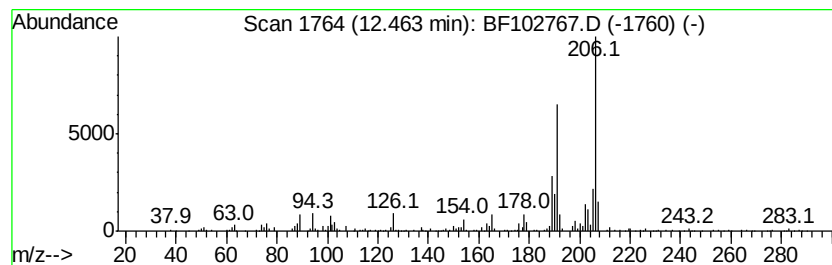
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.84 ng	281618	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
Sample : J1454-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

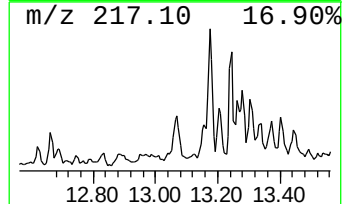
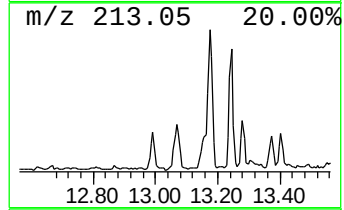
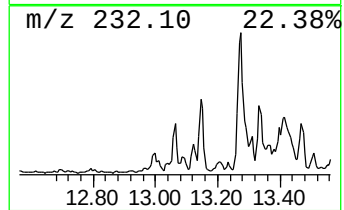
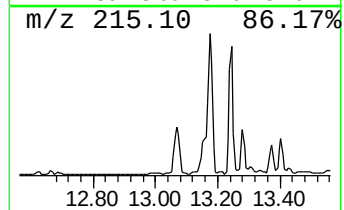
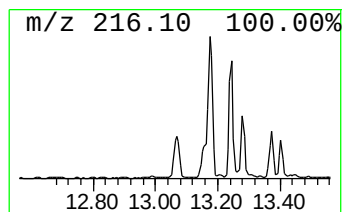
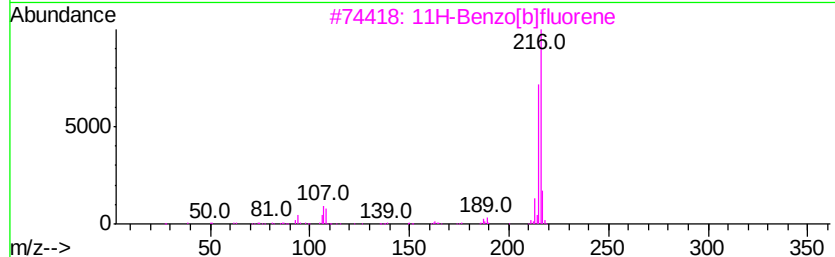
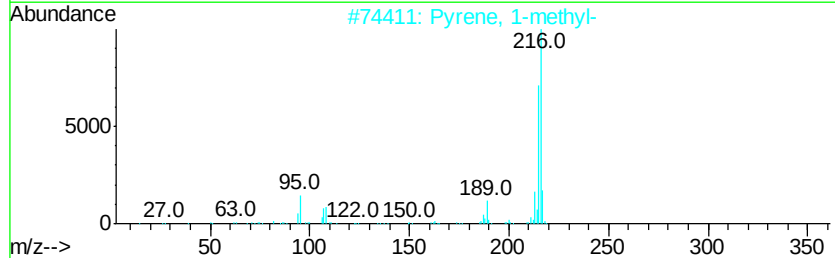
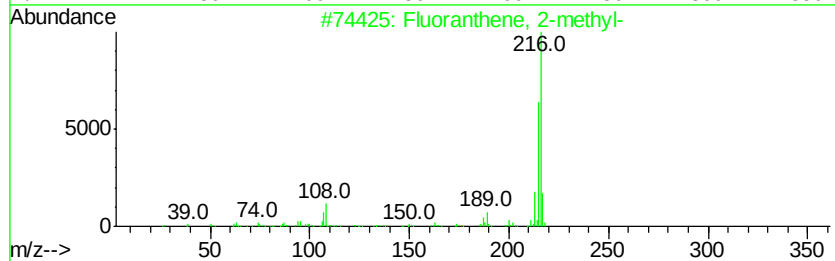
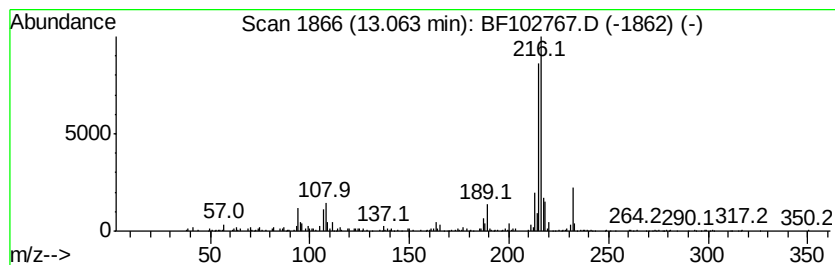
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ClientSampleId :
8-SAN-7-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.06	3.38 ng	412093	Chrysene-d12	14.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102767.D
Acq On : 6 Feb 2018 5:18
Operator : SJ/JU
Sample : J1454-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
8-SAN-7-EW(2-4)

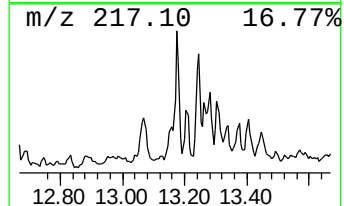
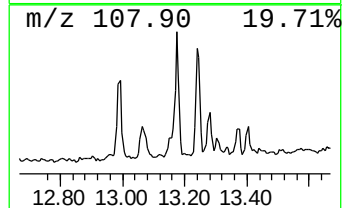
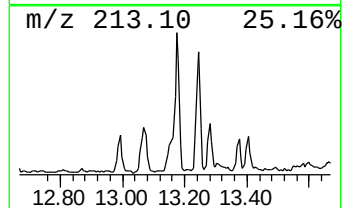
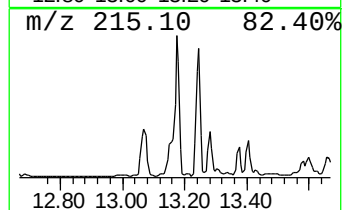
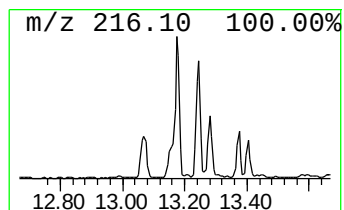
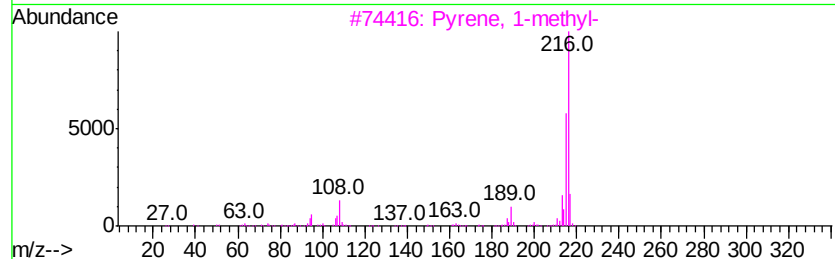
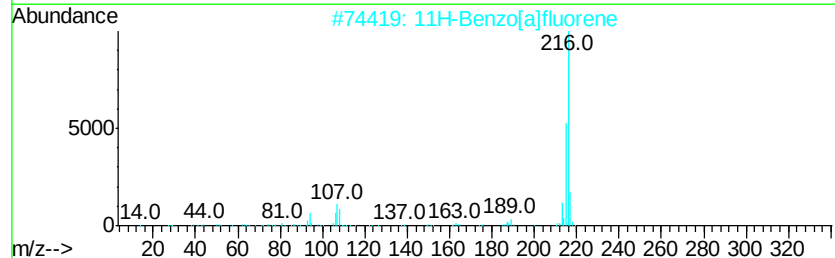
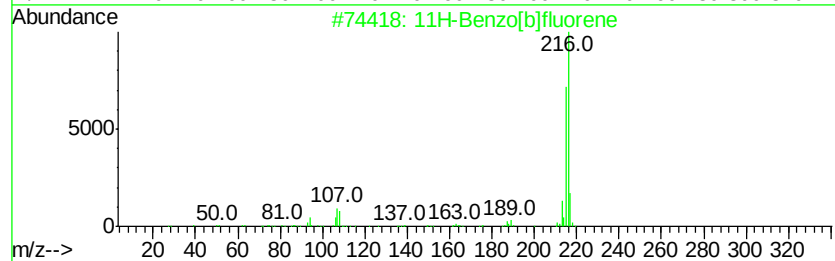
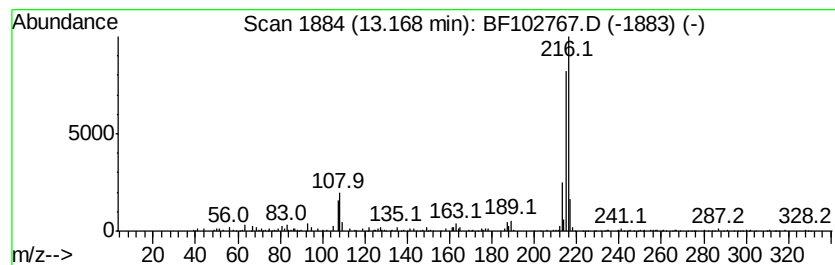
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.15 ng	505816	Chrysene-d12	14.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4		Pvrene, 2-methyl-	216	C17H12	003442-78-2	86
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
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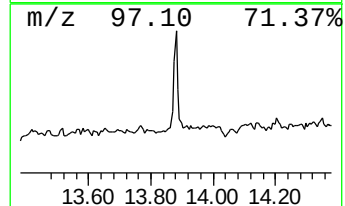
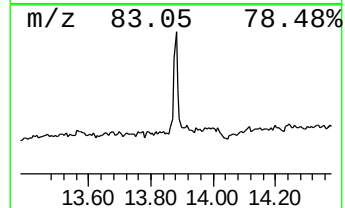
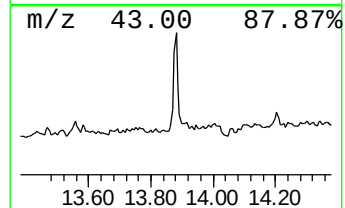
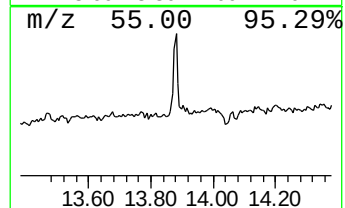
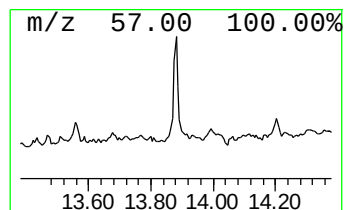
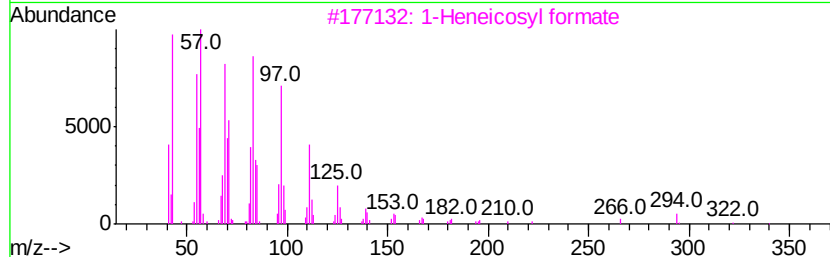
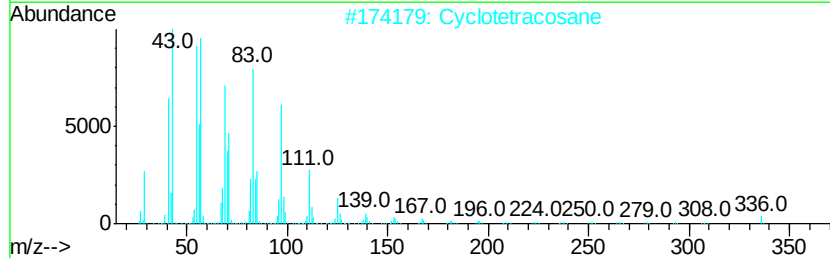
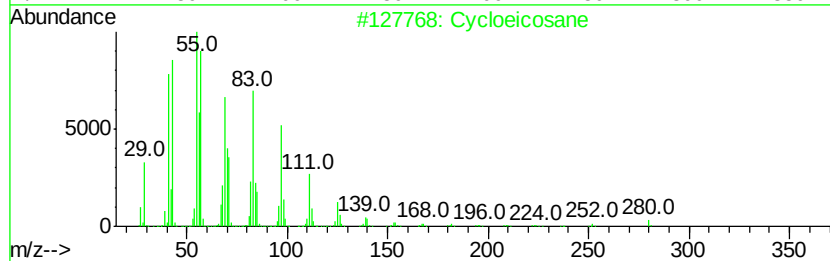
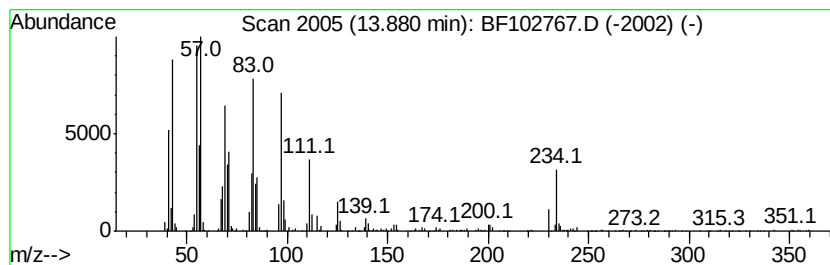
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Cycloeicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.88	6.03 ng	735962	Chrysene-d12	14.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	93
2	Cyclotetracosane	336	C24H48	000297-03-0	91
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	1-Docosene	308	C22H44	001599-67-3	91



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
 Data File : BF102767.D
 Acq On : 6 Feb 2018 5:18
 Operator : SJ/JU
 Sample : J1454-07
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 8-SAN-7-EW(2-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
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unknown6.65	6.65	56.9 ng		3941460	1	6.88	1386480	20.0
Naphthalene, 1-me...	8.97	4.2 ng		417862	2	8.16	2011770	20.0
Naphthalene, 2,3-...	9.57	3.6 ng		308742	3	9.92	1695340	20.0
Benzhydryl isothi...	10.55	3.5 ng		294412	3	9.92	1695340	20.0
Tridecane	10.82	5.4 ng		396908	4	11.41	1467540	20.0
9H-Fluorene, 1-me...	11.01	3.6 ng		261568	4	11.41	1467540	20.0
Pentadecane	11.26	4.7 ng		342110	4	11.41	1467540	20.0
Dibenzothiophene	11.30	6.4 ng		468424	4	11.41	1467540	20.0
Anthracene, 2-met...	11.90	6.9 ng		503392	4	11.41	1467540	20.0
4H-Cyclopenta[def...	12.02	12.4 ng		905922	4	11.41	1467540	20.0
Naphthalene, 2-ph...	12.20	4.7 ng		341094	4	11.41	1467540	20.0
Phenanthrene, 2,5...	12.46	3.8 ng		281618	4	11.41	1467540	20.0
Fluoranthene, 2-m...	13.06	3.4 ng		412093	5	14.05	2439740	20.0
11H-Benzo[b]fluorene	13.17	4.2 ng		505816	5	14.05	2439740	20.0
Cycloeicosane	13.88	6.0 ng		735962	5	14.05	2439740	20.0