

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081574.D
 Acq On : 10 Sep 2015 19:06
 Operator : UM/IZ
 Sample : G3593-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP(E2PM-MLSP1-SP12)

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-BF090115.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	1.463	10	11	17	rBV	138221	374184	12.94%	0.937%
2	1.554	17	19	59	rVB	813115	2890858	100.00%	7.239%
3	4.583	280	284	298	rBV	307777	820259	28.37%	2.054%
4	5.429	355	358	378	rBB	765845	1409320	48.75%	3.529%
5	7.692	552	556	561	rBV	760419	1397768	48.35%	3.500%
6	7.783	561	564	572	rVB	865806	1466463	50.73%	3.672%
7	8.263	603	606	612	rBB	202149	322019	11.14%	0.806%
8	8.583	631	634	638	rBV	584869	1048478	36.27%	2.626%
9	9.566	715	720	722	rBV	502130	936089	32.38%	2.344%
10	11.155	856	859	862	rBV	235753	398970	13.80%	0.999%
11	12.858	1003	1008	1014	rBV	51247	84723	2.93%	0.212%
12	13.075	1022	1027	1031	rBV	64665	110940	3.84%	0.278%
13	13.807	1087	1091	1094	rBV	844449	1321686	45.72%	3.310%
14	14.355	1134	1139	1141	rBV4	33216	77861	2.69%	0.195%
15	14.538	1151	1155	1158	rBV	99247	176956	6.12%	0.443%
16	14.595	1158	1160	1165	rVV2	53026	107113	3.71%	0.268%
17	14.801	1173	1178	1180	rBV	34789	82693	2.86%	0.207%
18	14.870	1180	1184	1188	rVB	179943	314156	10.87%	0.787%
19	14.950	1188	1191	1193	rBV	57845	110297	3.82%	0.276%
20	15.293	1217	1221	1225	rBV2	231077	385959	13.35%	0.967%
21	15.373	1225	1228	1232	rBV	84601	153712	5.32%	0.385%
22	15.956	1274	1279	1282	rBV	40676	75858	2.62%	0.190%
23	16.116	1290	1293	1297	rBV	45366	101588	3.51%	0.254%
24	16.607	1332	1336	1341	rVB	111896	229024	7.92%	0.574%
25	16.767	1346	1350	1352	rBV3	30132	75483	2.61%	0.189%
26	17.201	1384	1388	1394	rBV2	456330	872524	30.18%	2.185%
27	17.841	1441	1444	1446	rVV3	48230	103730	3.59%	0.260%
28	17.944	1449	1453	1455	rVV3	46475	124110	4.29%	0.311%
29	17.990	1455	1457	1462	rVV2	44346	99971	3.46%	0.250%
30	18.116	1465	1468	1473	rVB2	28376	74897	2.59%	0.188%
31	18.287	1479	1483	1487	rBV6	34178	117274	4.06%	0.294%
32	18.550	1503	1506	1509	rVB	83308	145245	5.02%	0.364%
33	18.813	1525	1529	1531	rBV	184056	391810	13.55%	0.981%
34	18.870	1531	1534	1537	rVV	745533	1341216	46.40%	3.359%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081574.D
 Acq On : 10 Sep 2015 19:06
 Operator : UM/IZ
 Sample : G3593-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP(E2PM-MLSP1-SP12)

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-BF090115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.984	1541	1544	1549	rVB	225452	412211	14.26%	1.032%
36	19.613	1596	1599	1602	rVB	91030	160413	5.55%	0.402%
37	19.819	1614	1617	1622	rVB2	51597	126635	4.38%	0.317%
38	19.956	1626	1629	1633	rVV2	40860	94332	3.26%	0.236%
39	20.047	1633	1637	1639	rVV	194836	359840	12.45%	0.901%
40	20.105	1639	1642	1647	rVV	230653	399464	13.82%	1.000%
41	20.219	1649	1652	1653	rVV	68792	126899	4.39%	0.318%
42	20.276	1653	1657	1660	rVV2	141638	492917	17.05%	1.234%
43	20.345	1660	1663	1669	rVB	156418	317377	10.98%	0.795%
44	20.516	1675	1678	1680	rBV	104558	167841	5.81%	0.420%
45	20.573	1680	1683	1690	rVV2	156781	378771	13.10%	0.949%
46	20.779	1694	1701	1709	rBV2	135355	496353	17.17%	1.243%
47	20.905	1709	1712	1714	rBV2	56047	87936	3.04%	0.220%
48	21.065	1721	1726	1728	rBV2	48411	127364	4.41%	0.319%
49	21.110	1728	1730	1732	rVB	68116	86832	3.00%	0.217%
50	21.247	1738	1742	1743	rBV	159931	293235	10.14%	0.734%
51	21.282	1743	1745	1748	rVB2	75008	150436	5.20%	0.377%
52	21.350	1748	1751	1752	rBV2	45571	83000	2.87%	0.208%
53	21.385	1752	1754	1758	rVB2	83744	162839	5.63%	0.408%
54	21.476	1758	1762	1765	rBV	937788	1681967	58.18%	4.212%
55	21.693	1778	1781	1783	rVB2	64451	93248	3.23%	0.234%
56	21.750	1783	1786	1789	rBV3	55771	100085	3.46%	0.251%
57	21.830	1789	1793	1795	rVV	1422608	1947044	67.35%	4.876%
58	21.933	1800	1802	1805	rBV2	134764	245769	8.50%	0.615%
59	21.990	1805	1807	1809	rVB	62865	85006	2.94%	0.213%
60	22.139	1818	1820	1822	rBV	557014	815682	28.22%	2.043%
61	22.185	1822	1824	1827	rVB	110708	173754	6.01%	0.435%
62	22.333	1831	1837	1839	rBV	249096	534849	18.50%	1.339%
63	22.425	1843	1845	1847	rBV	194570	235803	8.16%	0.590%
64	22.459	1847	1848	1855	rVV2	181483	304244	10.52%	0.762%
65	22.573	1856	1858	1860	rVV	169745	223963	7.75%	0.561%
66	22.619	1860	1862	1864	rVB	151031	161408	5.58%	0.404%
67	22.996	1891	1895	1898	rBV2	122702	212818	7.36%	0.533%
68	23.111	1903	1905	1906	rBV	181173	216511	7.49%	0.542%
69	23.145	1906	1908	1912	rVB4	169496	356939	12.35%	0.894%
70	23.202	1912	1913	1915	rVB2	91746	106733	3.69%	0.267%
71	23.248	1915	1917	1921	rBV	98883	166130	5.75%	0.416%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081574.D
 Acq On : 10 Sep 2015 19:06
 Operator : UM/IZ
 Sample : G3593-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP(E2PM-MLSP1-SP12)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	23.316	1921	1923	1927	rVB	91401	85453	2.96%	0.214%
73	23.408	1927	1931	1933	rBV2	726151	1504180	52.03%	3.767%
74	23.453	1933	1935	1937	rVB	819058	865748	29.95%	2.168%
75	23.522	1940	1941	1943	rVB2	140312	183809	6.36%	0.460%
76	23.591	1944	1947	1949	rBV2	96616	161865	5.60%	0.405%
77	23.705	1955	1957	1959	rBV3	80500	101253	3.50%	0.254%
78	23.762	1959	1962	1963	rBV2	50767	89182	3.08%	0.223%
79	23.831	1966	1968	1969	rBV	53704	88997	3.08%	0.223%
80	23.865	1969	1971	1973	rVV	240702	309264	10.70%	0.774%
81	23.899	1973	1974	1977	rVV2	115379	166689	5.77%	0.417%
82	24.002	1981	1983	1985	rVV2	109865	210931	7.30%	0.528%
83	24.093	1988	1991	1993	rVB2	263651	515329	17.83%	1.290%
84	24.288	2006	2008	2009	rBV2	57715	92698	3.21%	0.232%
85	24.402	2014	2018	2020	rVV2	213953	327040	11.31%	0.819%
86	24.528	2026	2029	2032	rBV	604189	1251084	43.28%	3.133%
87	24.608	2032	2036	2038	rVV2	131781	155435	5.38%	0.389%
88	24.699	2040	2044	2046	rVV2	219024	572906	19.82%	1.435%
89	24.768	2048	2050	2051	rVV	440612	507829	17.57%	1.272%
90	24.814	2051	2054	2056	rVV	685899	750855	25.97%	1.880%
91	24.859	2056	2058	2064	rVV3	228166	471619	16.31%	1.181%
92	24.985	2067	2069	2071	rBV3	74637	111828	3.87%	0.280%
93	25.271	2091	2094	2095	rBV2	149626	217990	7.54%	0.546%
94	25.305	2095	2097	2100	rVB2	69991	97231	3.36%	0.243%
95	25.671	2127	2129	2131	rVB2	62551	90709	3.14%	0.227%
96	25.934	2149	2152	2155	rVB	198931	357040	12.35%	0.894%
97	26.094	2164	2166	2170	rVB2	53295	84916	2.94%	0.213%
98	26.242	2176	2179	2182	rBV	158629	267033	9.24%	0.669%
99	27.031	2246	2248	2261	rVB7	48265	246398	8.52%	0.617%
100	27.831	2314	2318	2323	rVB2	38911	118399	4.10%	0.296%

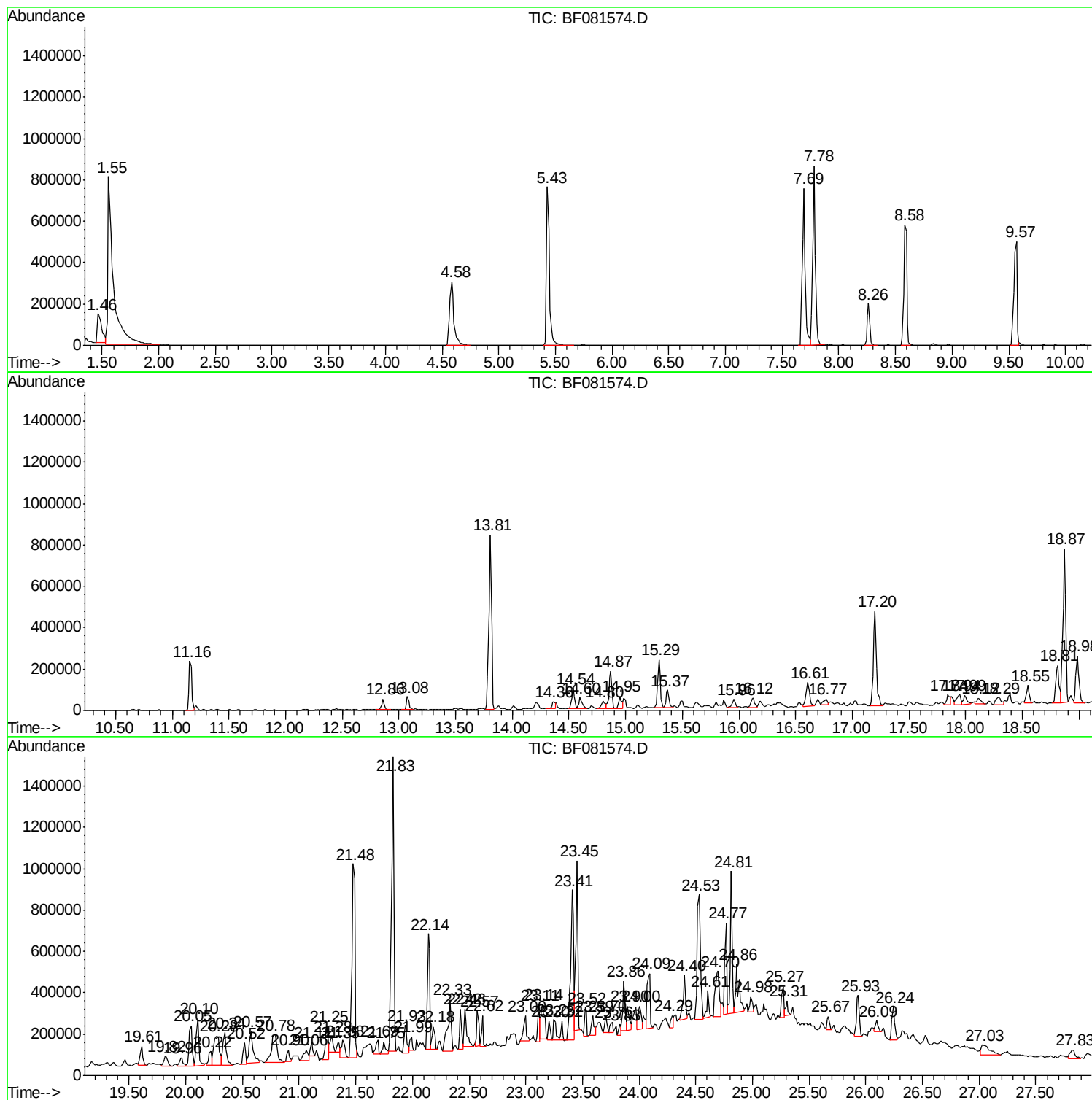
Sum of corrected areas: 39933592

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

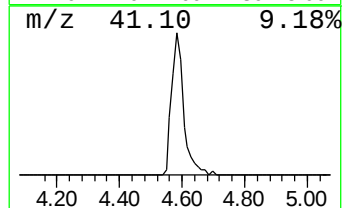
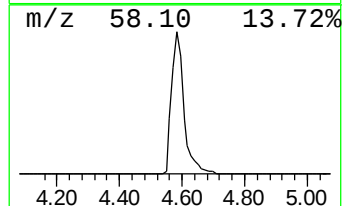
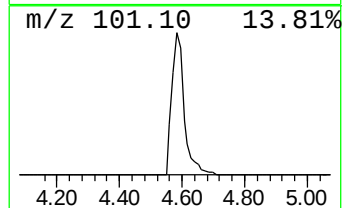
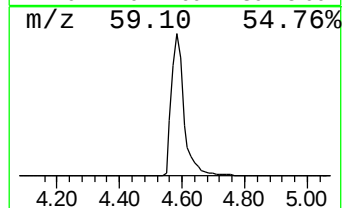
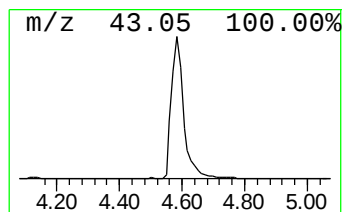
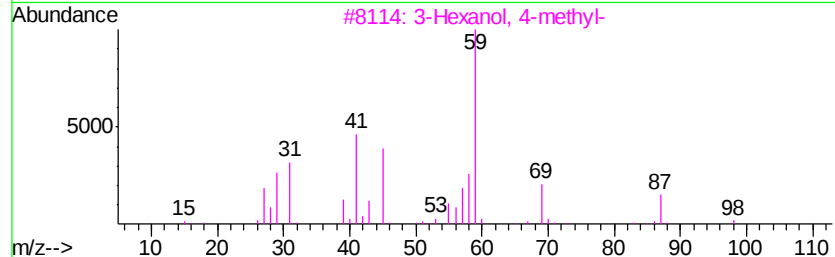
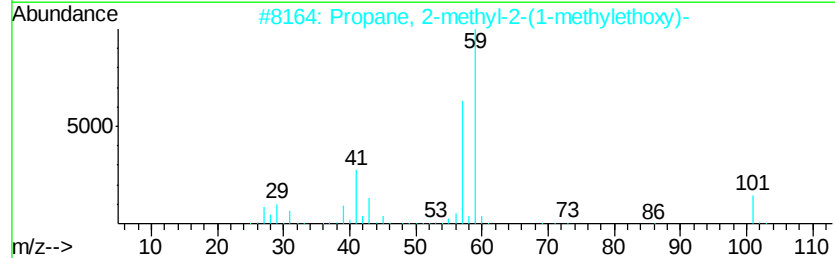
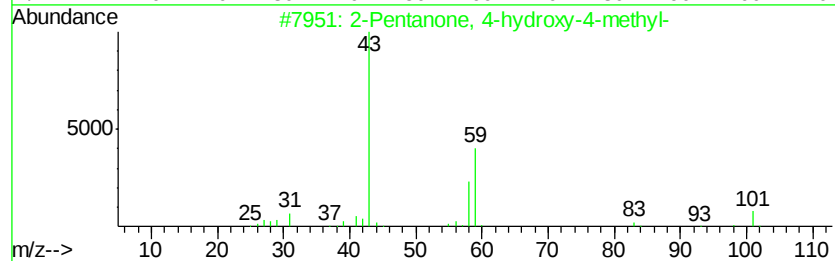
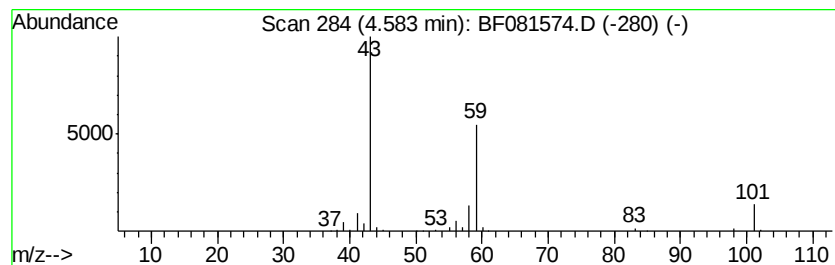
Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.58	50.94 ng	820259	1,4-Dichlorobenzene-d4	8.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

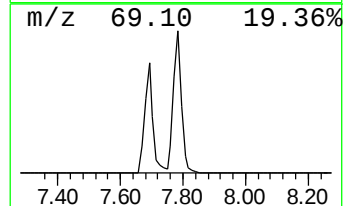
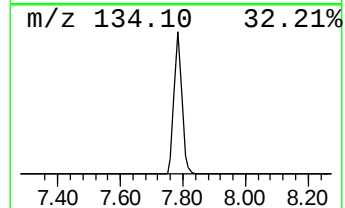
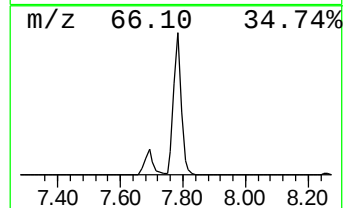
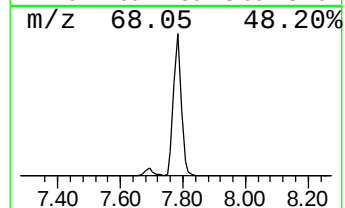
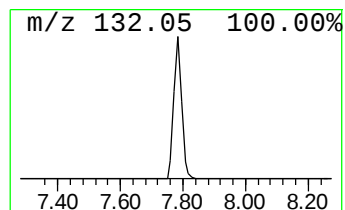
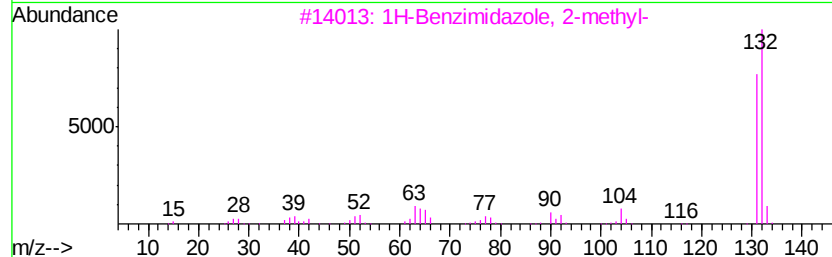
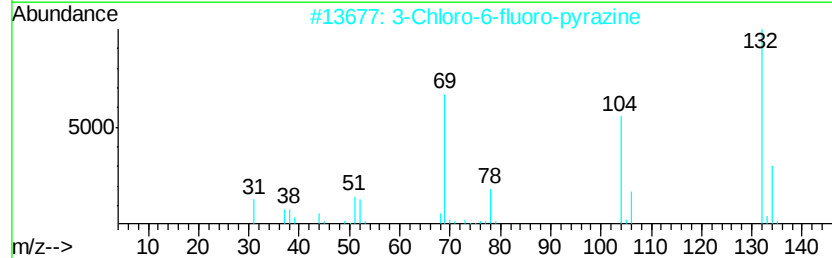
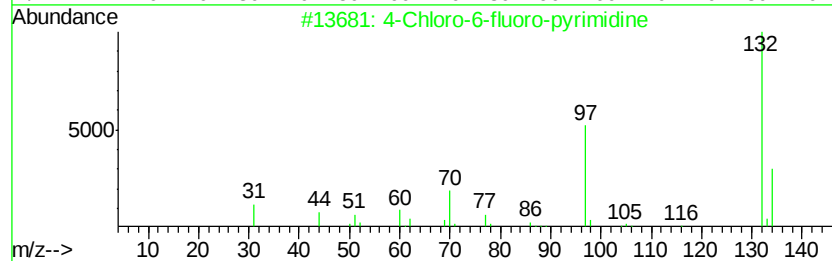
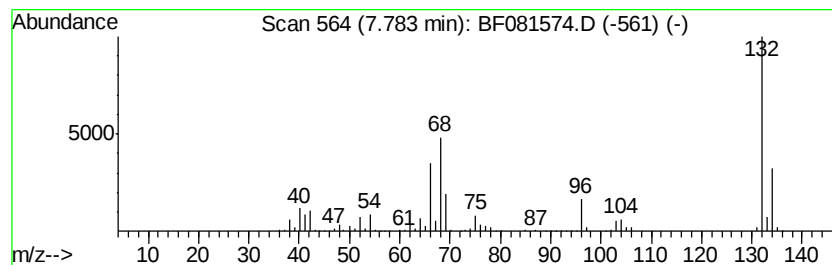
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown7.78 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	91.08 ng	1466460	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

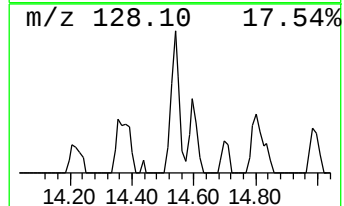
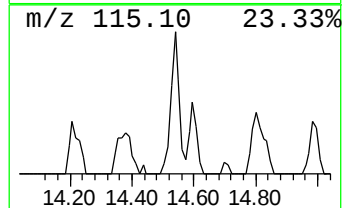
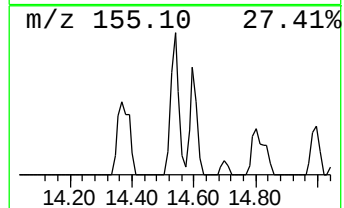
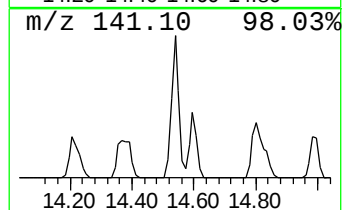
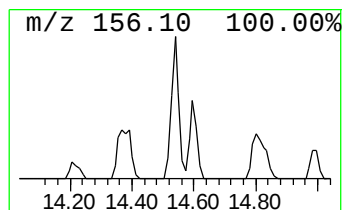
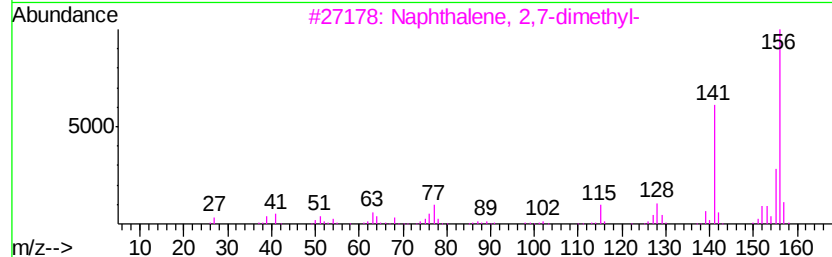
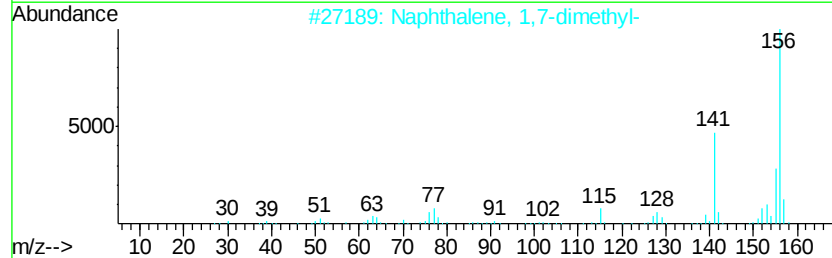
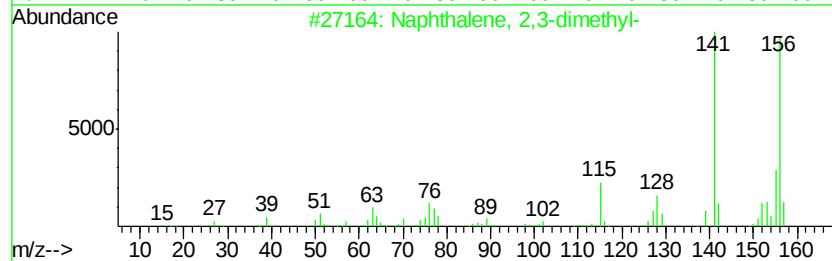
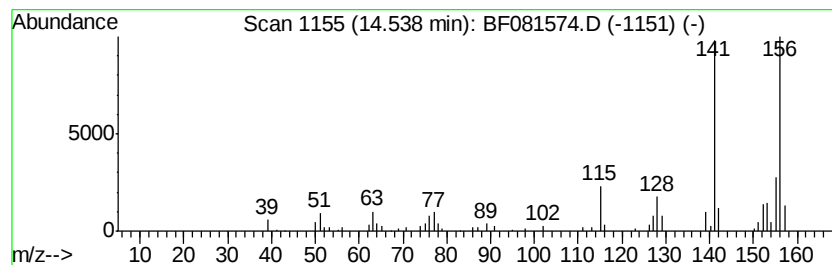
Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.54	9.17 ng	176956	Acenaphthene-d10		15.29
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

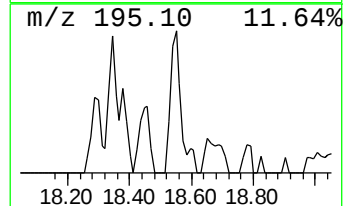
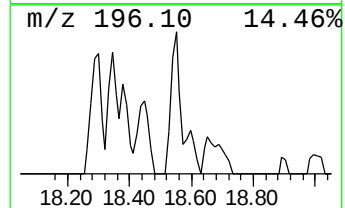
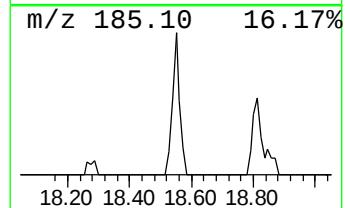
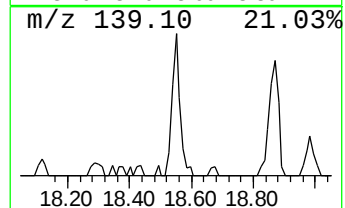
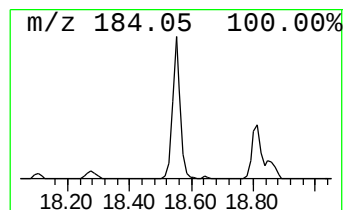
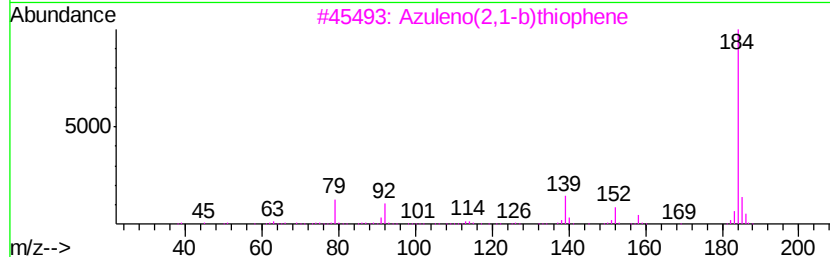
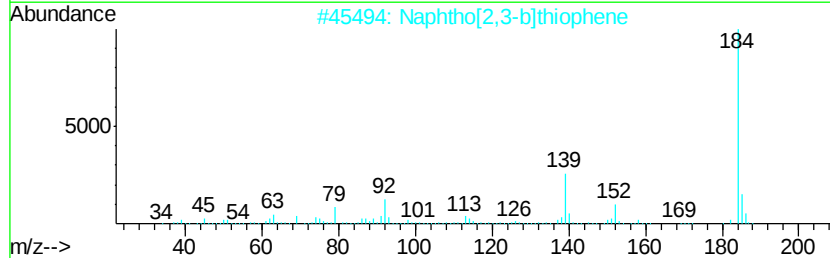
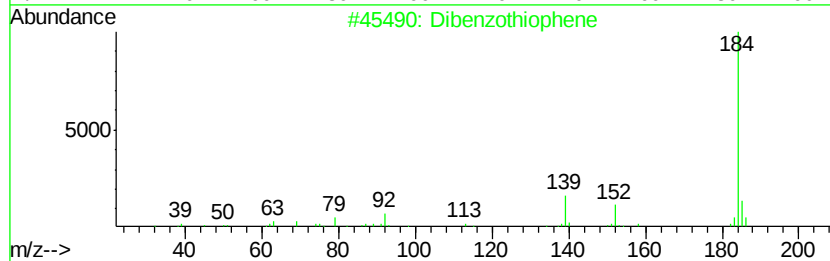
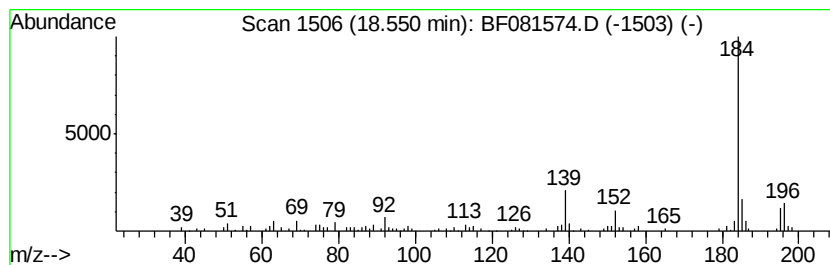
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	7.41 ng	145245	Phenanthrene-d10	18.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	52
5		Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

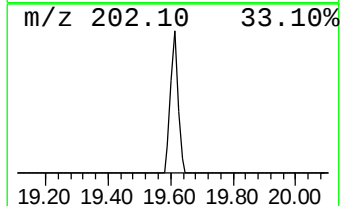
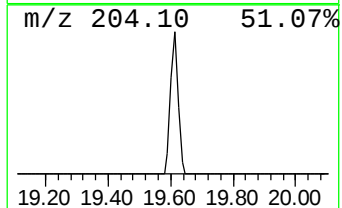
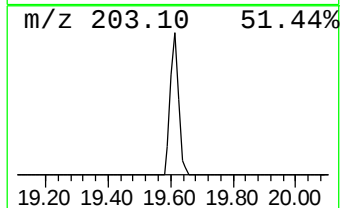
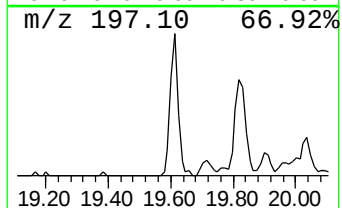
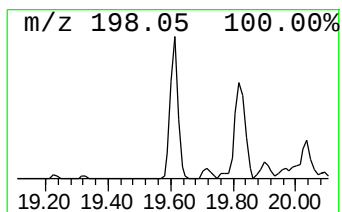
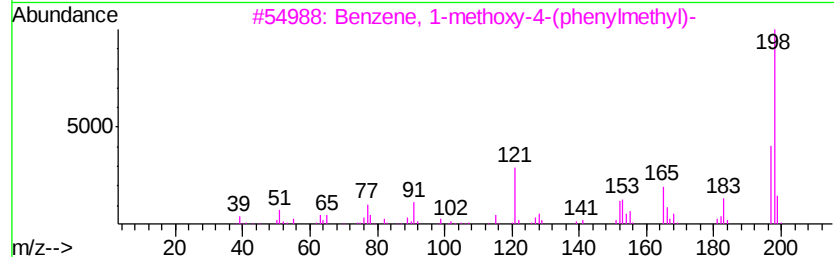
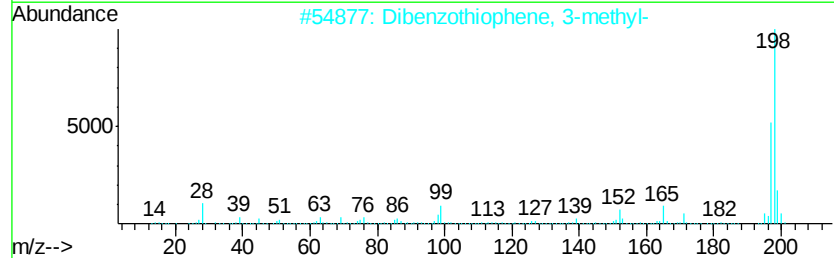
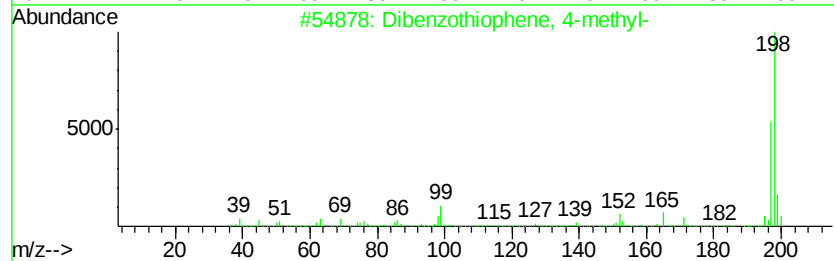
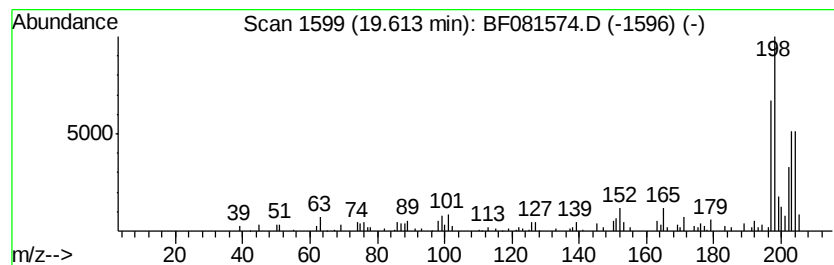
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	8.19 ng	160413	Phenanthrene-d10	18.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
3			Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	46
4			9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	43
5			Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

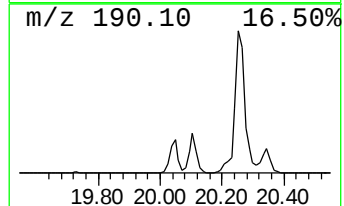
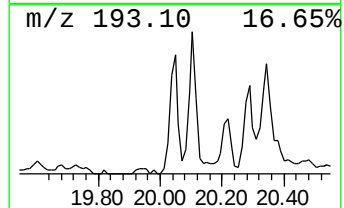
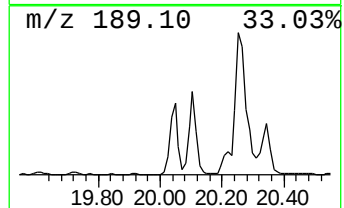
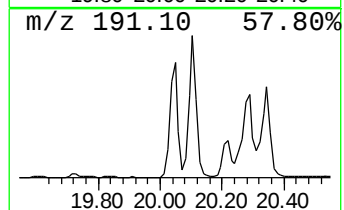
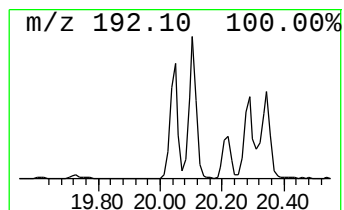
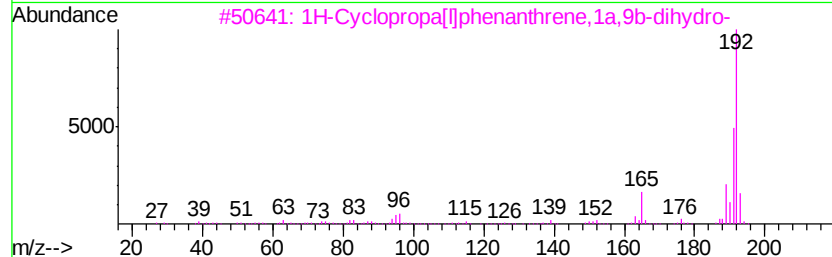
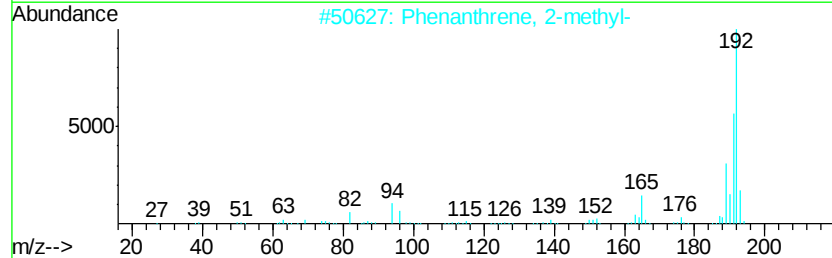
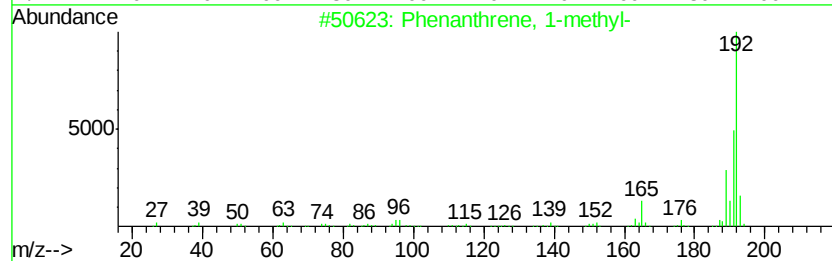
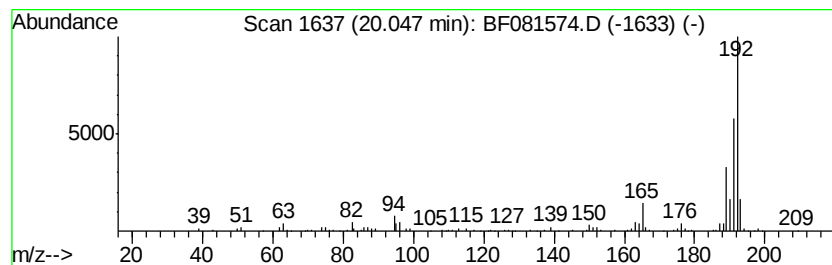
Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.05	18.37 ng	359840	Phenanthrene-d10	18.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

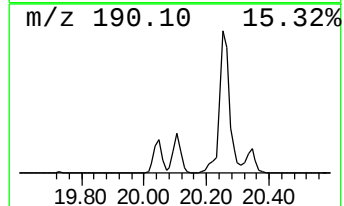
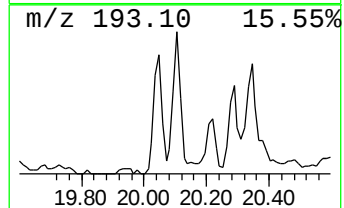
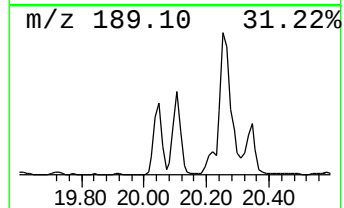
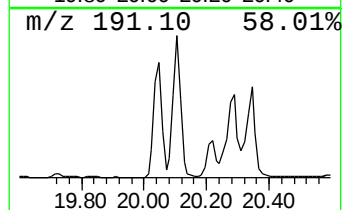
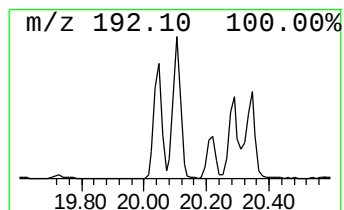
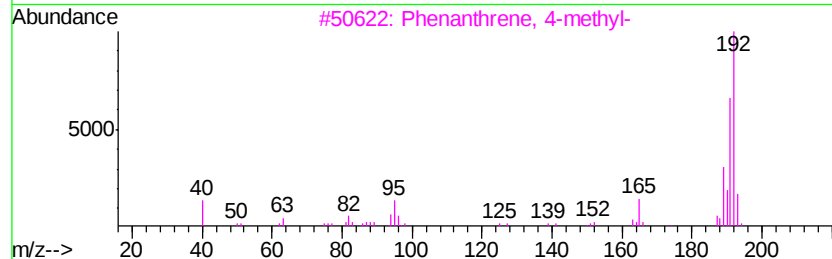
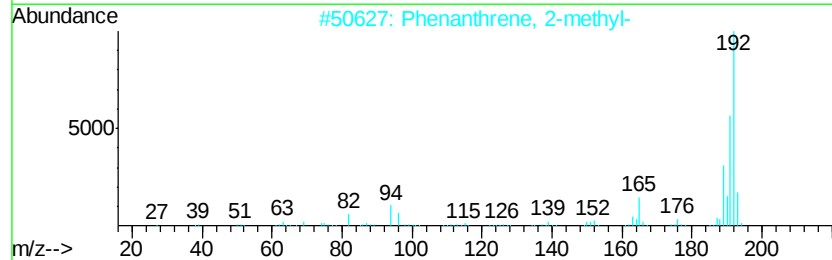
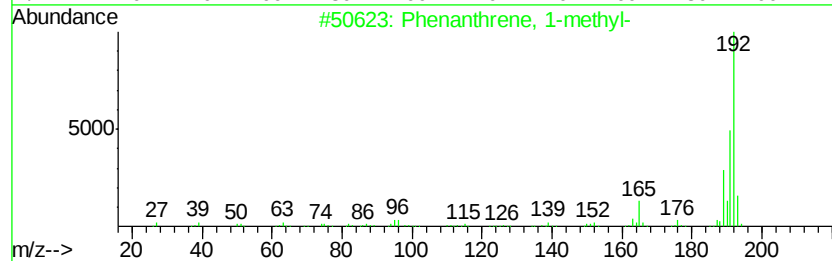
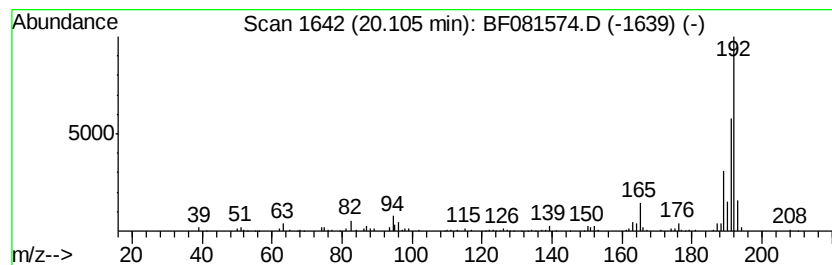
Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.10	20.39 ng	399464	Phenanthrene-d10	18.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

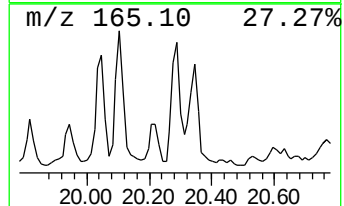
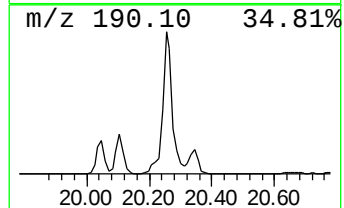
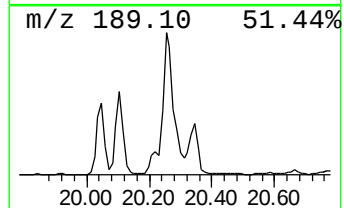
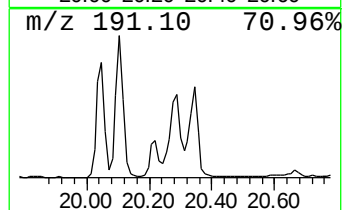
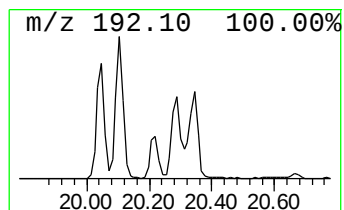
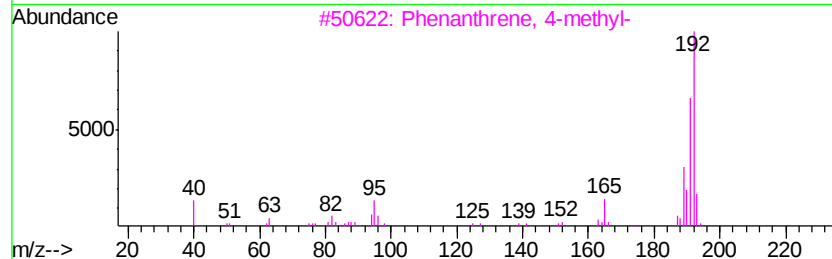
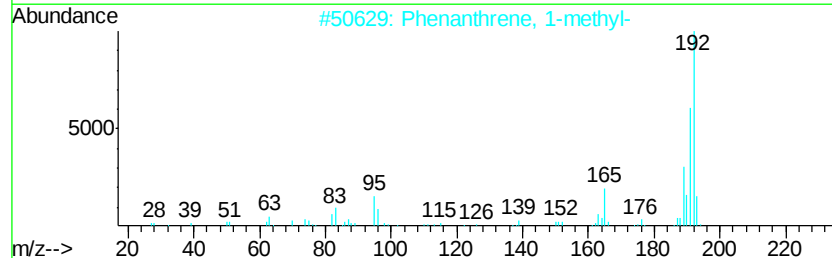
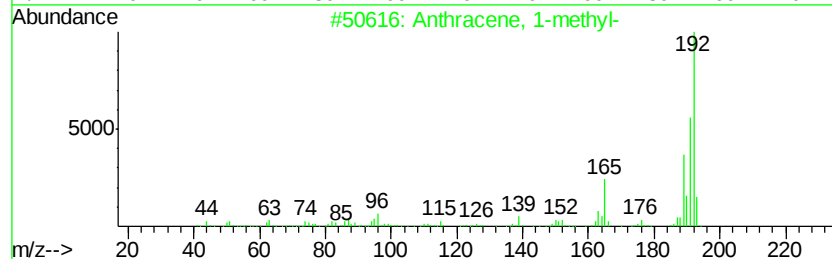
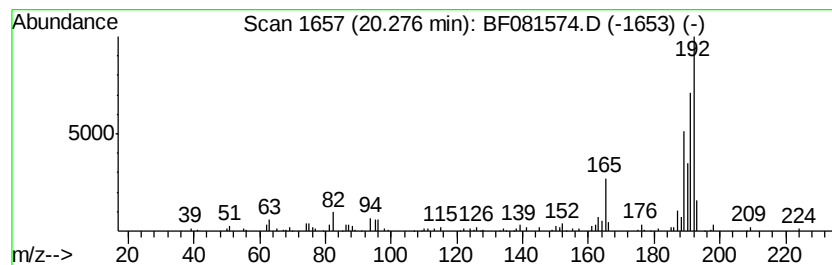
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	25.16 ng	492917	Phenanthrene-d10	18.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

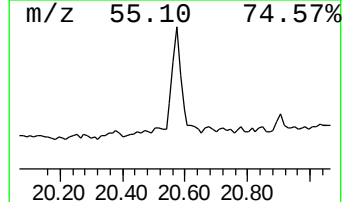
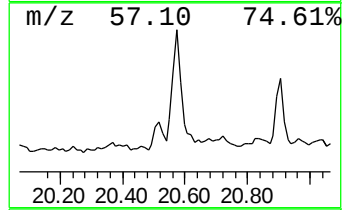
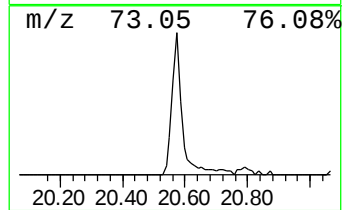
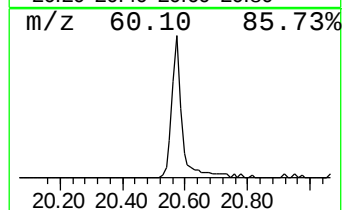
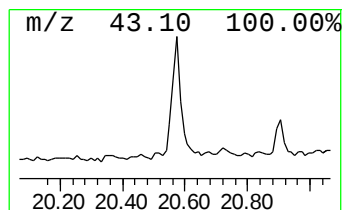
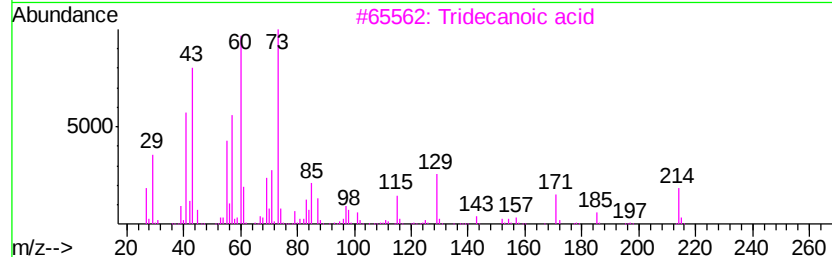
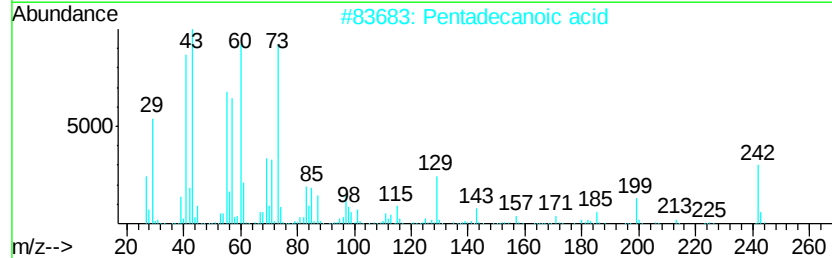
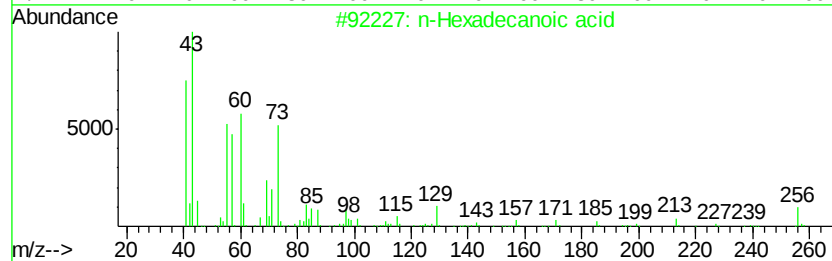
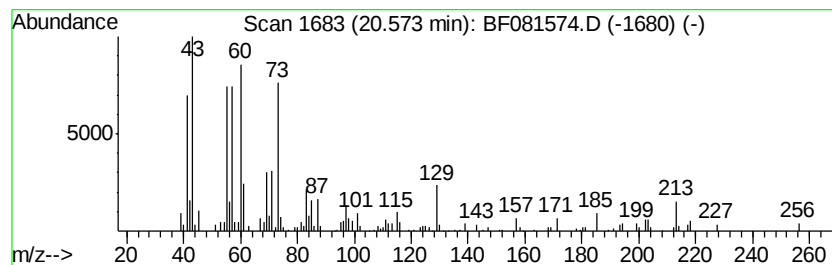
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	19.33 ng	378771	Phenanthrene-d10	18.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3		Tridecanoic acid	214	C13H26O2	000638-53-9	72
4		Dodecanoic acid	200	C12H24O2	000143-07-7	72
5		Undecanoic acid	186	C11H22O2	000112-37-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

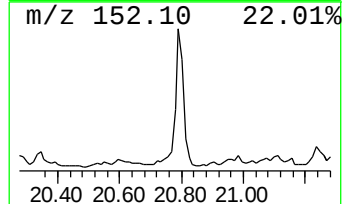
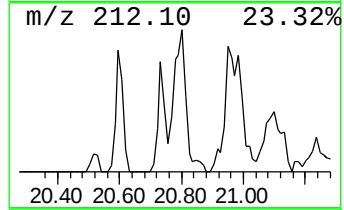
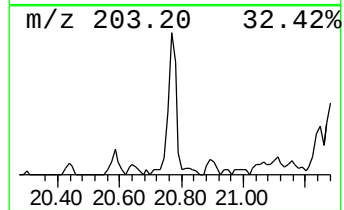
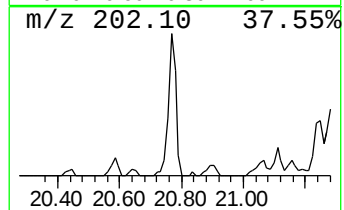
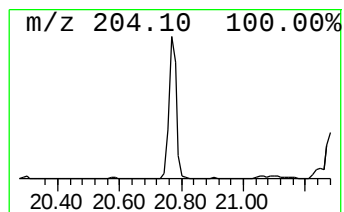
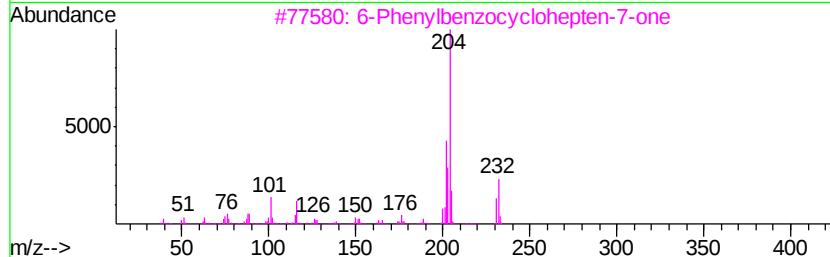
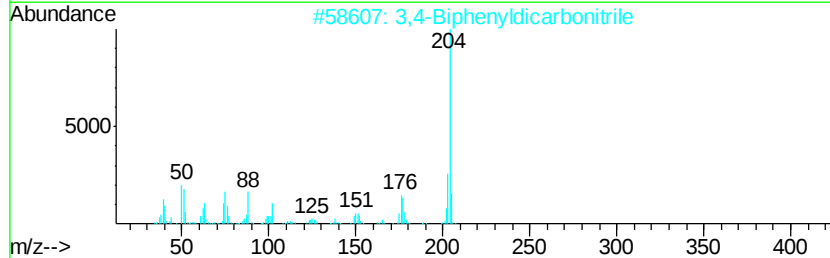
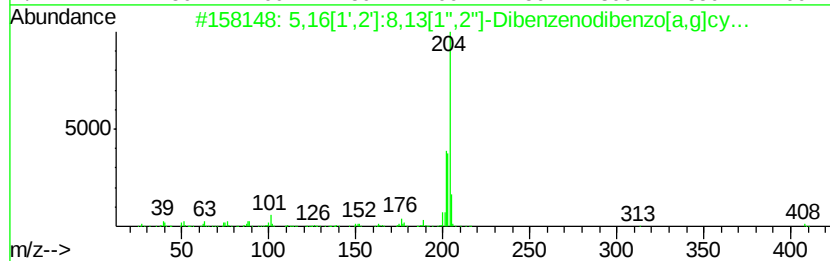
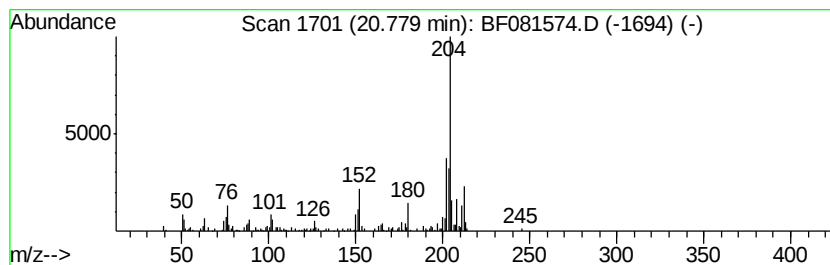
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	25.34 ng	496353	Phenanthrene-d10	18.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

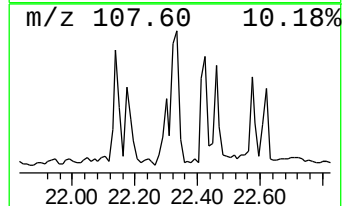
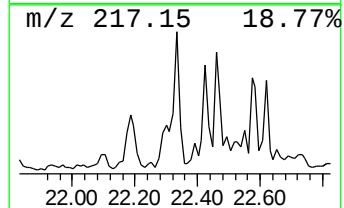
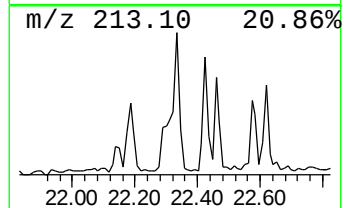
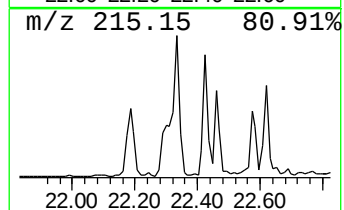
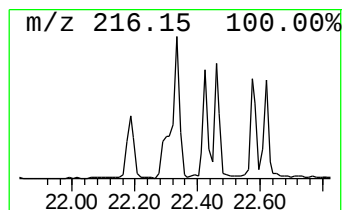
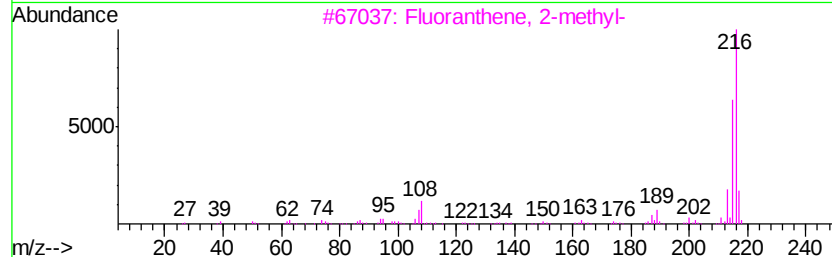
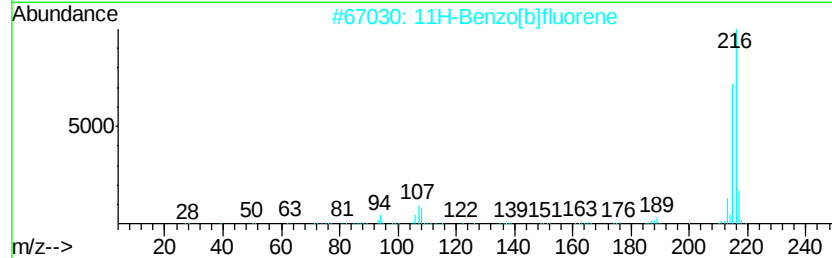
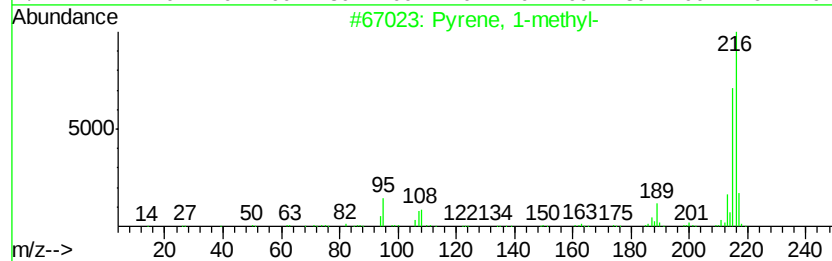
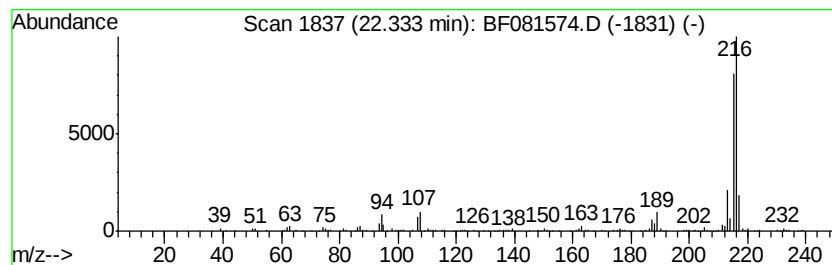
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	7.11 ng	534849	Chrysene-d12	23.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

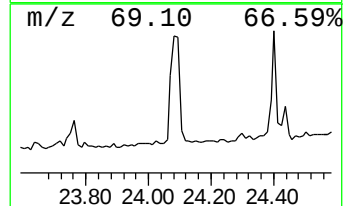
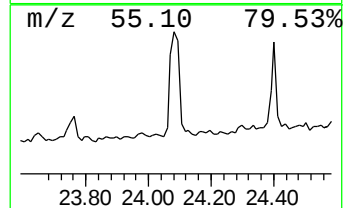
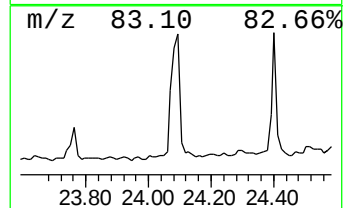
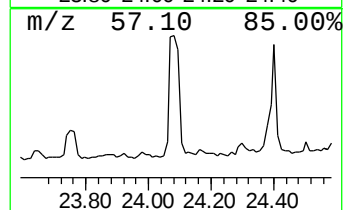
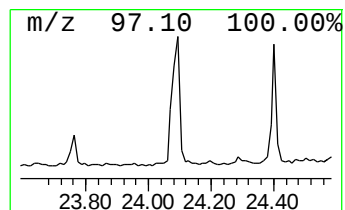
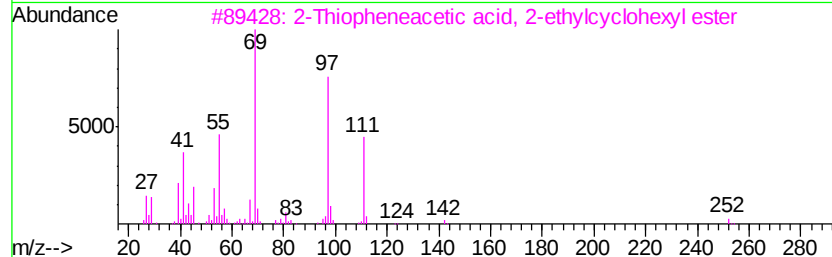
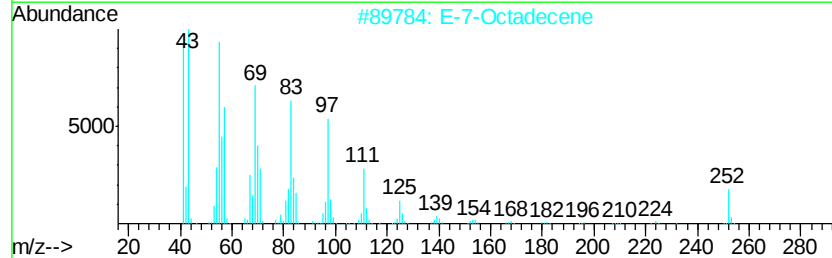
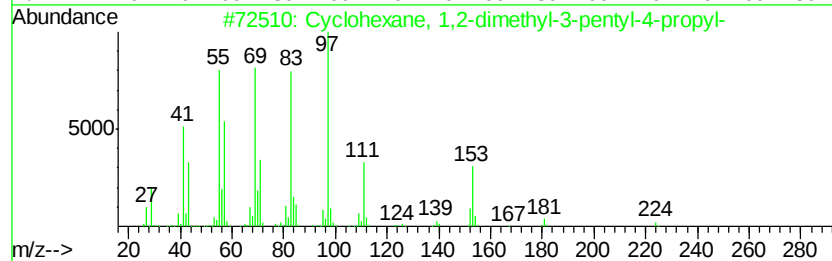
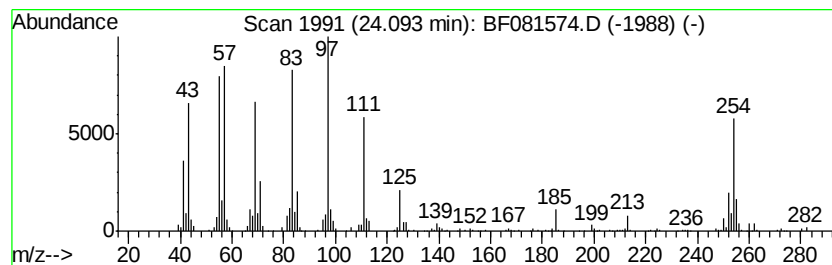
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Cyclohexane, 1,2-dimethyl-3... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	6.85 ng	515329	Chrysene-d12	23.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	55
2		E-7-Octadecene	252	C18H36	1000130-92-0	38
3		2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	38
4		1,2-Dodecanediol	202	C12H26O2	001119-87-5	30
5		Diethyldivinylsilane	140	C8H16Si	018270-16-1	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

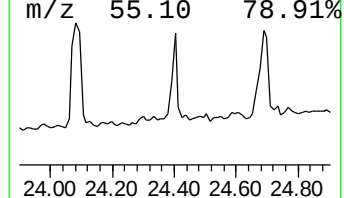
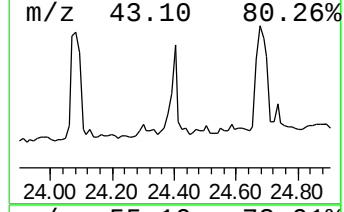
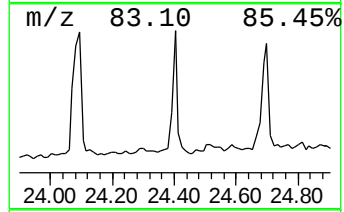
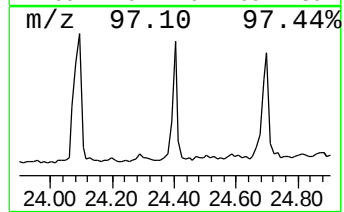
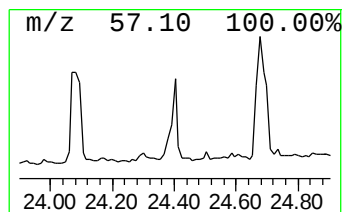
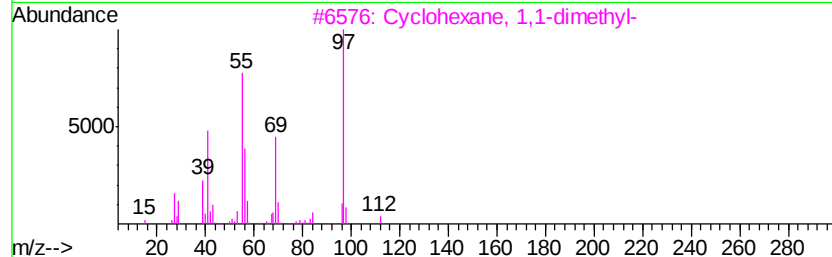
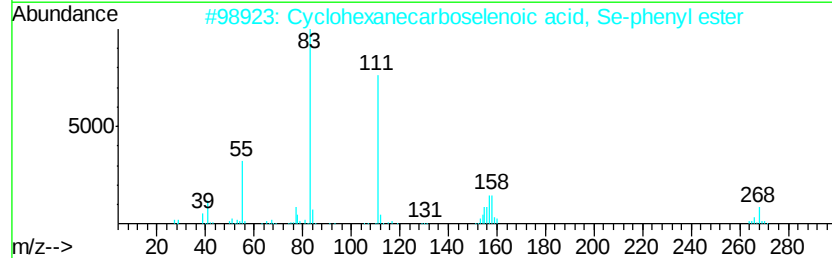
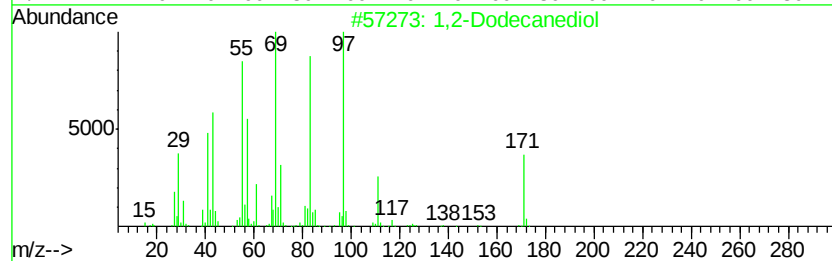
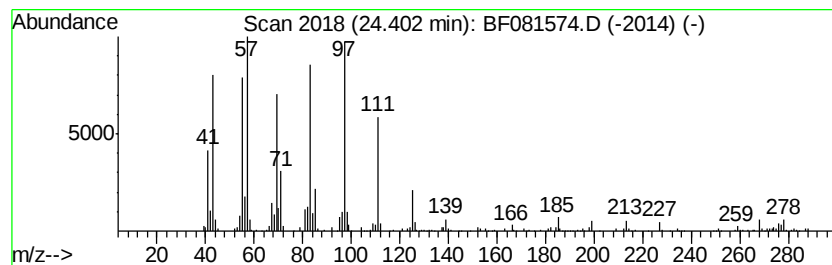
Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,2-Dodecanediol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.40	13.87 ng	327040	Perylene-d12	24.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,2-Dodecanediol	202 C12H26O2	001119-87-5 58
2		Cyclohexanecarboselenoic acid, S...	268 C13H16OSe	060718-41-4 38
3		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 30
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126 C9H18	004923-77-7 30
5		Cyclopentanecarboxylic acid, 4-t...	310 C20H38O2	1000280-58-9 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

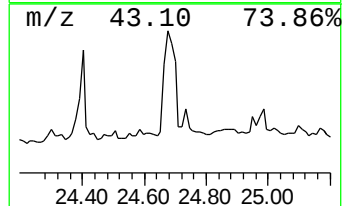
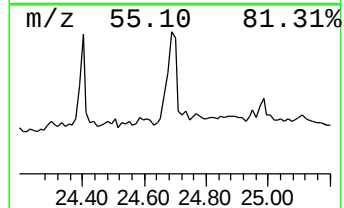
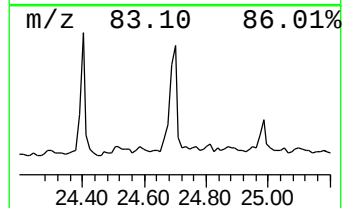
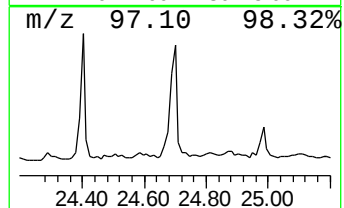
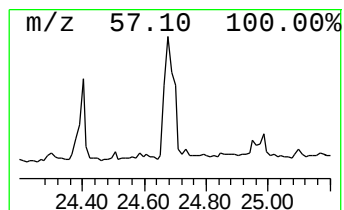
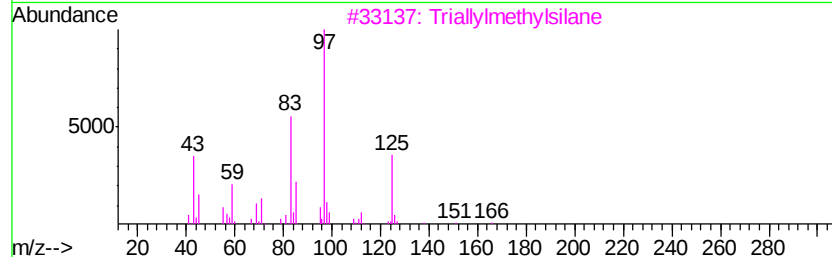
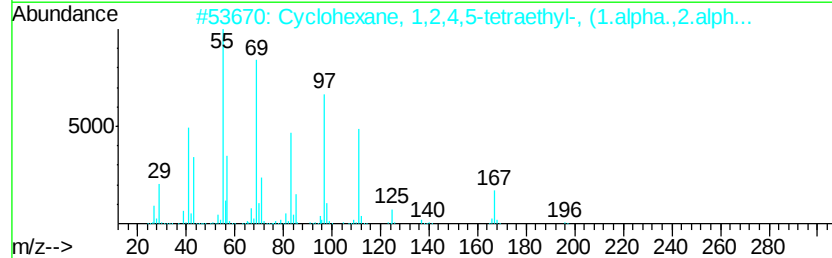
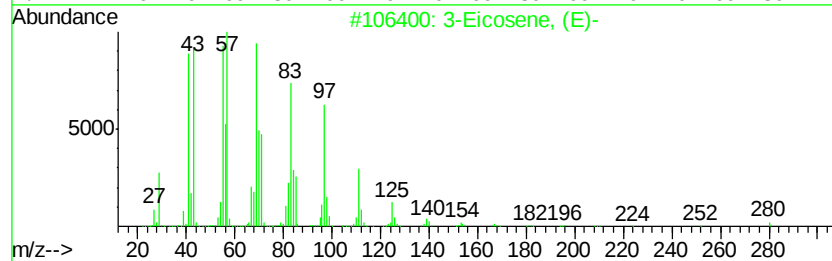
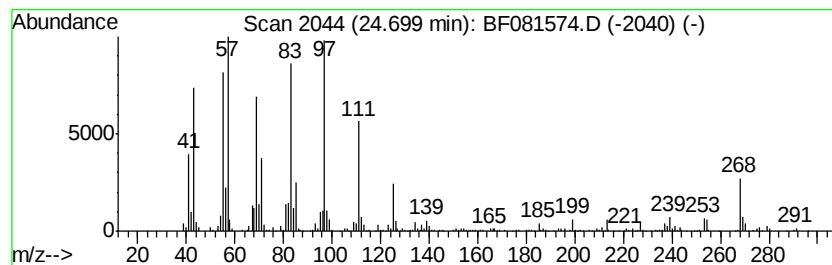
Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 3-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	24.30 ng	572906	Perylene-d12	24.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Eicosene, (E)-	280 C20H40	074685-33-9	60
2	Cyclohexane, 1,2,4,5-tetraethyl-...	196 C14H28	061142-24-3	58
3	Triallylmethylsilane	166 C10H18Si	001112-91-0	45
4	9-Eicosene, (E)-	280 C20H40	074685-29-3	42
5	Triallylsilane	152 C9H16Si	001116-62-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

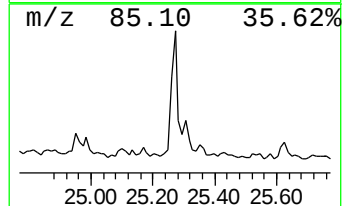
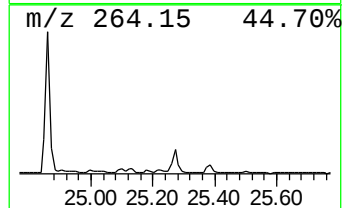
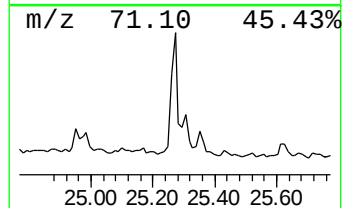
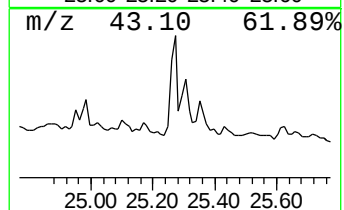
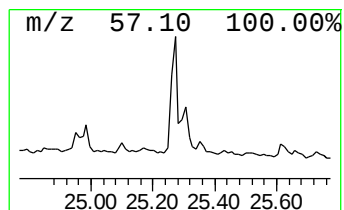
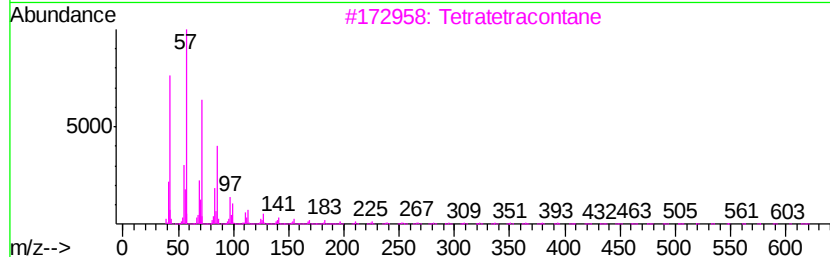
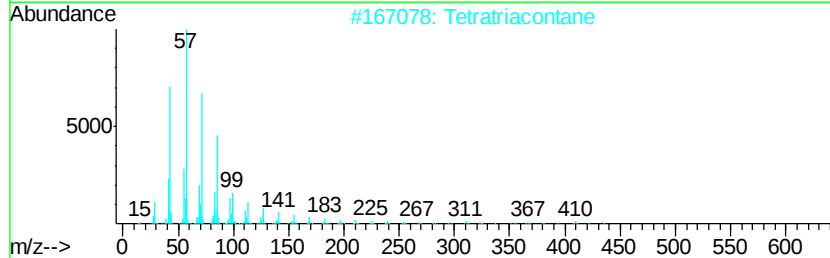
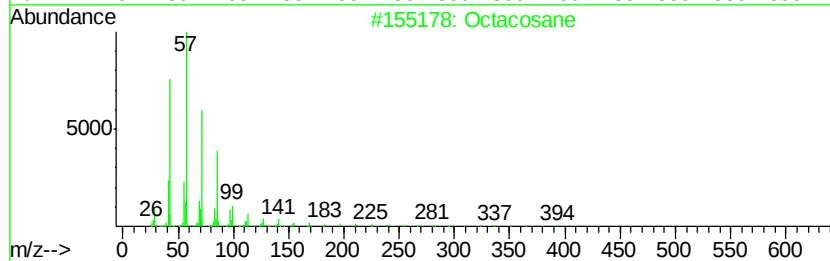
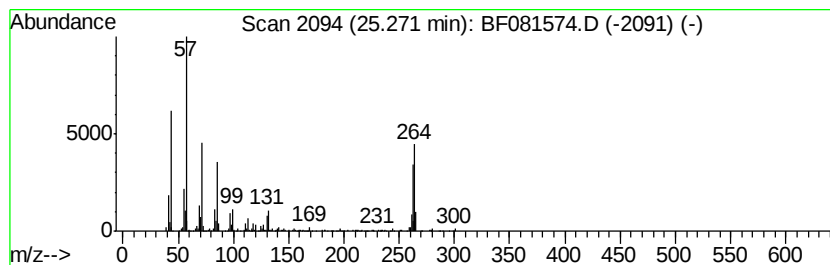
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown25.27 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.27	9.24 ng	217990	Perylene-d12	24.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	41
2		Tetratriacontane	479	C34H70	014167-59-0	38
3		Tetratetracontane	619	C44H90	007098-22-8	38
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	38
5		3,5-Dimethyldodecane	198	C14H30	107770-99-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081574.D
Acq On : 10 Sep 2015 19:06
Operator : UM/IZ
Sample : G3593-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP(E2PM-MLSP1-SP12)

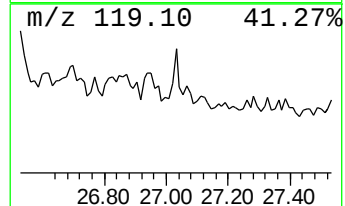
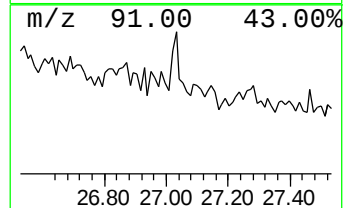
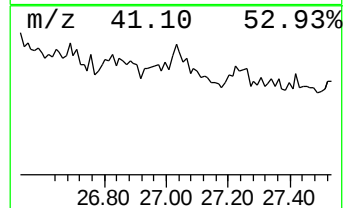
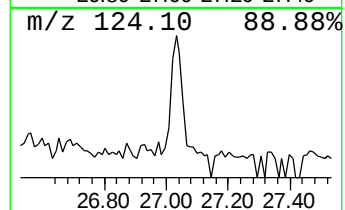
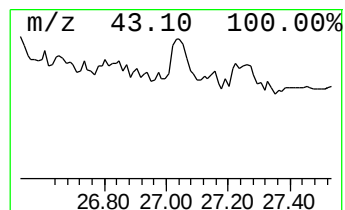
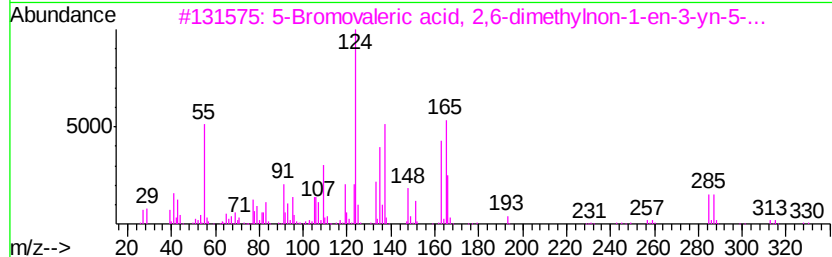
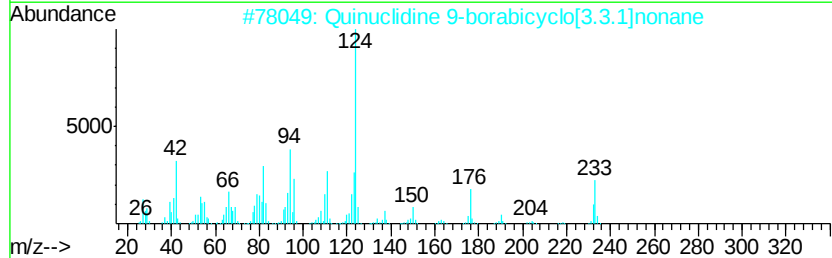
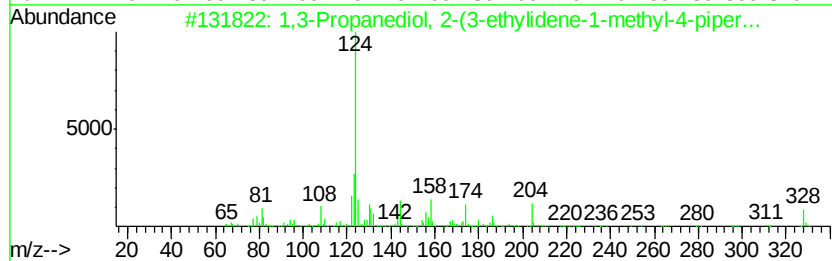
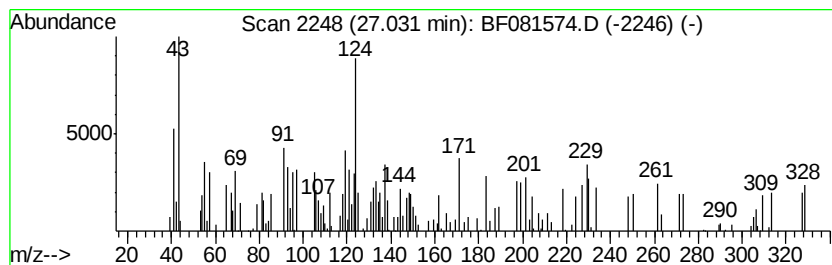
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown27.03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.03	10.45 ng	246398	Perylene-d12	24.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Propanediol, 2-(3-ethylidene...	328	C20H28N2O2	001850-32-4	22
2		Quinuclidine 9-borabicyclo[3.3.1...	233	C15H28BN	070338-08-8	22
3		5-Bromovaleric acid, 2,6-dimethy...	328	C16H25BrO2	1000292-56-9	12
4		1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	11
5		1,3-Benzenediol, 2-methyl-	124	C7H8O2	000608-25-3	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081574.D
 Acq On : 10 Sep 2015 19:06
 Operator : UM/IZ
 Sample : G3593-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP(E2PM-MLSP1-SP12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.58	50.9	ng	820259	1	8.26	322019	20.0
unknown7.78	7.78	91.1	ng	1466460	1	8.26	322019	20.0
Naphthalene, 2,3-...	14.54	9.2	ng	176956	3	15.29	385959	20.0
Dibenzothiophene	18.55	7.4	ng	145245	4	18.81	391810	20.0
Dibenzothiophene,...	19.61	8.2	ng	160413	4	18.81	391810	20.0
Phenanthrene, 1-m...	20.05	18.4	ng	359840	4	18.81	391810	20.0
Phenanthrene, 2-m...	20.10	20.4	ng	399464	4	18.81	391810	20.0
Anthracene, 1-met...	20.28	25.2	ng	492917	4	18.81	391810	20.0
n-Hexadecanoic acid	20.57	19.3	ng	378771	4	18.81	391810	20.0
5,16[1',2']:8,13[...	20.78	25.3	ng	496353	4	18.81	391810	20.0
Pyrene, 1-methyl-	22.33	7.1	ng	534849	5	23.42	1504180	20.0
Cyclohexane, 1,2-...	24.09	6.8	ng	515329	5	23.42	1504180	20.0
1,2-Dodecanediol	24.40	13.9	ng	327040	6	24.86	471619	20.0
3-Eicosene, (E)-	24.70	24.3	ng	572906	6	24.86	471619	20.0
unknown25.27	25.27	9.2	ng	217990	6	24.86	471619	20.0
unknown27.03	27.03	10.4	ng	246398	6	24.86	471619	20.0