

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
 Data File : BF101032.D
 Acq On : 30 Nov 2017 21:58
 Operator : SJ/JU
 Sample : I6289-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112917

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-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	571	574	585	rVB	280052	242269	3.21%	0.328%
2	6.481	743	747	753	rBV	296775	290738	3.85%	0.394%
3	6.622	767	771	774	rBV	347781	290841	3.85%	0.394%
4	6.851	807	810	814	rBV	394593	308896	4.09%	0.418%
5	7.010	832	837	840	rBV	240690	222264	2.94%	0.301%
6	7.410	902	905	909	rBV	204011	180424	2.39%	0.244%
7	8.134	1025	1028	1030	rBV	443019	394438	5.22%	0.534%
8	8.157	1030	1032	1035	rVB	753243	580742	7.69%	0.787%
9	8.851	1146	1150	1153	rBV	760466	617239	8.17%	0.836%
10	8.951	1161	1167	1170	rBV	582061	542488	7.18%	0.735%
11	9.204	1207	1210	1214	rVB	427951	373219	4.94%	0.505%
12	9.404	1242	1244	1250	rVB	144669	141166	1.87%	0.191%
13	9.475	1250	1256	1260	rBV	311391	425001	5.63%	0.576%
14	9.551	1264	1269	1271	rBV	481407	489717	6.49%	0.663%
15	9.575	1271	1273	1276	rVB	347627	248888	3.30%	0.337%
16	9.663	1284	1288	1290	rBV	238720	214084	2.84%	0.290%
17	9.751	1300	1303	1307	rVB	481969	383453	5.08%	0.519%
18	9.892	1325	1327	1330	rVV2	397929	328491	4.35%	0.445%
19	9.928	1330	1333	1336	rVV	1659293	1384873	18.34%	1.876%
20	10.098	1358	1362	1365	rVV	1217426	1197858	15.86%	1.622%
21	10.133	1365	1368	1371	rVB	162275	135524	1.79%	0.184%
22	10.204	1376	1380	1383	rBV2	145100	149987	1.99%	0.203%
23	10.451	1417	1422	1425	rVV	1830319	1943152	25.73%	2.632%
24	10.504	1430	1431	1433	rVV	161291	135791	1.80%	0.184%
25	10.528	1433	1435	1437	rVV2	234357	195683	2.59%	0.265%
26	10.598	1444	1447	1450	rVV	367767	326786	4.33%	0.443%
27	10.680	1453	1461	1465	rVV	553681	653360	8.65%	0.885%
28	10.986	1507	1513	1516	rBV2	332735	389200	5.15%	0.527%
29	11.016	1516	1518	1521	rVV	167669	143169	1.90%	0.194%
30	11.069	1524	1527	1530	rVB	153611	138220	1.83%	0.187%
31	11.116	1530	1535	1537	rBV2	113092	159420	2.11%	0.216%
32	11.186	1544	1547	1551	rVV2	130147	132747	1.76%	0.180%
33	11.227	1551	1554	1558	rVV3	136426	174664	2.31%	0.237%
34	11.280	1558	1563	1569	rVB	716898	664674	8.80%	0.900%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101032.D
 Acq On : 30 Nov 2017 21:58
 Operator : SJ/JU
 Sample : I6289-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112917

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-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.433	1575	1589	1591	rBV	4104636	7550633	100.00%	10.226%
36	11.475	1591	1596	1598	rVV	2369265	2318131	30.70%	3.140%
37	11.498	1598	1600	1605	rVV	149645	167802	2.22%	0.227%
38	11.616	1613	1620	1623	rVV	679825	684124	9.06%	0.927%
39	11.675	1626	1630	1634	rVV2	209170	240691	3.19%	0.326%
40	11.716	1634	1637	1641	rVV3	162123	201148	2.66%	0.272%
41	11.792	1647	1650	1655	rVB	107976	134310	1.78%	0.182%
42	11.886	1660	1666	1668	rBV	790956	750626	9.94%	1.017%
43	11.916	1668	1671	1674	rVB	1060570	895637	11.86%	1.213%
44	11.963	1674	1679	1682	rBV	427121	404957	5.36%	0.548%
45	12.004	1682	1686	1688	rBV	1409716	1576339	20.88%	2.135%
46	12.180	1712	1716	1718	rVV	620656	549680	7.28%	0.744%
47	12.216	1718	1722	1726	rVB	170650	178042	2.36%	0.241%
48	12.433	1753	1759	1762	rBV	307918	367408	4.87%	0.498%
49	12.474	1762	1766	1768	rVV2	209695	259540	3.44%	0.352%
50	12.539	1772	1777	1782	rVB2	167589	247843	3.28%	0.336%
51	12.627	1783	1792	1795	rBV	3751112	6656821	88.16%	9.016%
52	12.698	1801	1804	1808	rVB	176388	174532	2.31%	0.236%
53	12.751	1808	1813	1816	rBV2	355124	406572	5.38%	0.551%
54	12.857	1823	1831	1833	rBV3	3393041	6707529	88.83%	9.084%
55	12.880	1833	1835	1839	rVB3	355807	321103	4.25%	0.435%
56	12.951	1842	1847	1848	rBV	410233	414062	5.48%	0.561%
57	12.992	1852	1854	1857	rVB	287027	238097	3.15%	0.322%
58	13.051	1858	1864	1867	rBV2	364256	637774	8.45%	0.864%
59	13.080	1867	1869	1871	rVB	192484	138532	1.83%	0.188%
60	13.133	1874	1878	1880	rBV4	343970	423954	5.61%	0.574%
61	13.163	1880	1883	1886	rVB	1092619	984144	13.03%	1.333%
62	13.227	1890	1894	1897	rBV	1014480	986725	13.07%	1.336%
63	13.269	1897	1901	1903	rVV2	473662	558580	7.40%	0.757%
64	13.357	1913	1916	1918	rBV	266605	226330	3.00%	0.307%
65	13.386	1918	1921	1924	rVV	303583	260990	3.46%	0.353%
66	13.557	1944	1950	1952	rVV6	111646	202901	2.69%	0.275%
67	13.639	1960	1964	1967	rBV2	160520	211106	2.80%	0.286%
68	13.669	1967	1969	1973	rVB2	182857	186962	2.48%	0.253%
69	13.780	1983	1988	1990	rBV	539875	565602	7.49%	0.766%
70	13.804	1990	1992	1995	rVV	556691	560452	7.42%	0.759%
71	13.833	1995	1997	2003	rVV3	543950	799720	10.59%	1.083%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
 Data File : BF101032.D
 Acq On : 30 Nov 2017 21:58
 Operator : SJ/JU
 Sample : I6289-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112917

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-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.880	2003	2005	2008	rVV	157485	154070	2.04%	0.209%
73	13.945	2011	2016	2023	rBV	187133	305221	4.04%	0.413%
74	14.033	2023	2031	2034	rBV2	2288569	4075888	53.98%	5.520%
75	14.074	2034	2038	2041	rVV	2276275	2680166	35.50%	3.630%
76	14.145	2047	2050	2053	rVV	750375	699039	9.26%	0.947%
77	14.180	2053	2056	2059	rVV3	210800	281444	3.73%	0.381%
78	14.221	2061	2063	2065	rVV	237550	207767	2.75%	0.281%
79	14.257	2065	2069	2072	rVV2	364327	461226	6.11%	0.625%
80	14.380	2087	2090	2092	rVV2	244000	270962	3.59%	0.367%
81	14.416	2092	2096	2099	rVV	522772	636806	8.43%	0.862%
82	14.451	2099	2102	2105	rVV	282478	314261	4.16%	0.426%
83	14.498	2107	2110	2111	rVV2	183278	212378	2.81%	0.288%
84	14.515	2111	2113	2115	rVV	313131	308085	4.08%	0.417%
85	14.545	2115	2118	2119	rVV	336032	318577	4.22%	0.431%
86	14.563	2119	2121	2125	rVV2	408449	428280	5.67%	0.580%
87	14.610	2125	2129	2135	rVV3	189644	286903	3.80%	0.389%
88	14.733	2147	2150	2152	rBV	136884	142300	1.88%	0.193%
89	14.915	2177	2181	2187	rBV	159997	203305	2.69%	0.275%
90	15.098	2204	2212	2214	rBV	1310770	2561085	33.92%	3.469%
91	15.192	2224	2228	2232	rVB	393303	406281	5.38%	0.550%
92	15.398	2256	2263	2268	rVB	799346	1199005	15.88%	1.624%
93	15.468	2268	2275	2278	rVV	1250504	1794562	23.77%	2.430%
94	15.515	2280	2283	2285	rVV	199615	241853	3.20%	0.328%
95	15.551	2285	2289	2294	rVB	465507	631278	8.36%	0.855%
96	16.080	2374	2379	2383	rVB	102520	144369	1.91%	0.196%
97	17.015	2529	2538	2544	rVB	478145	1004398	13.30%	1.360%
98	17.174	2558	2565	2569	rBV	105024	217262	2.88%	0.294%
99	17.468	2606	2615	2624	rVB	352765	849606	11.25%	1.151%
100	17.704	2647	2655	2667	rVB3	145398	411911	5.46%	0.558%

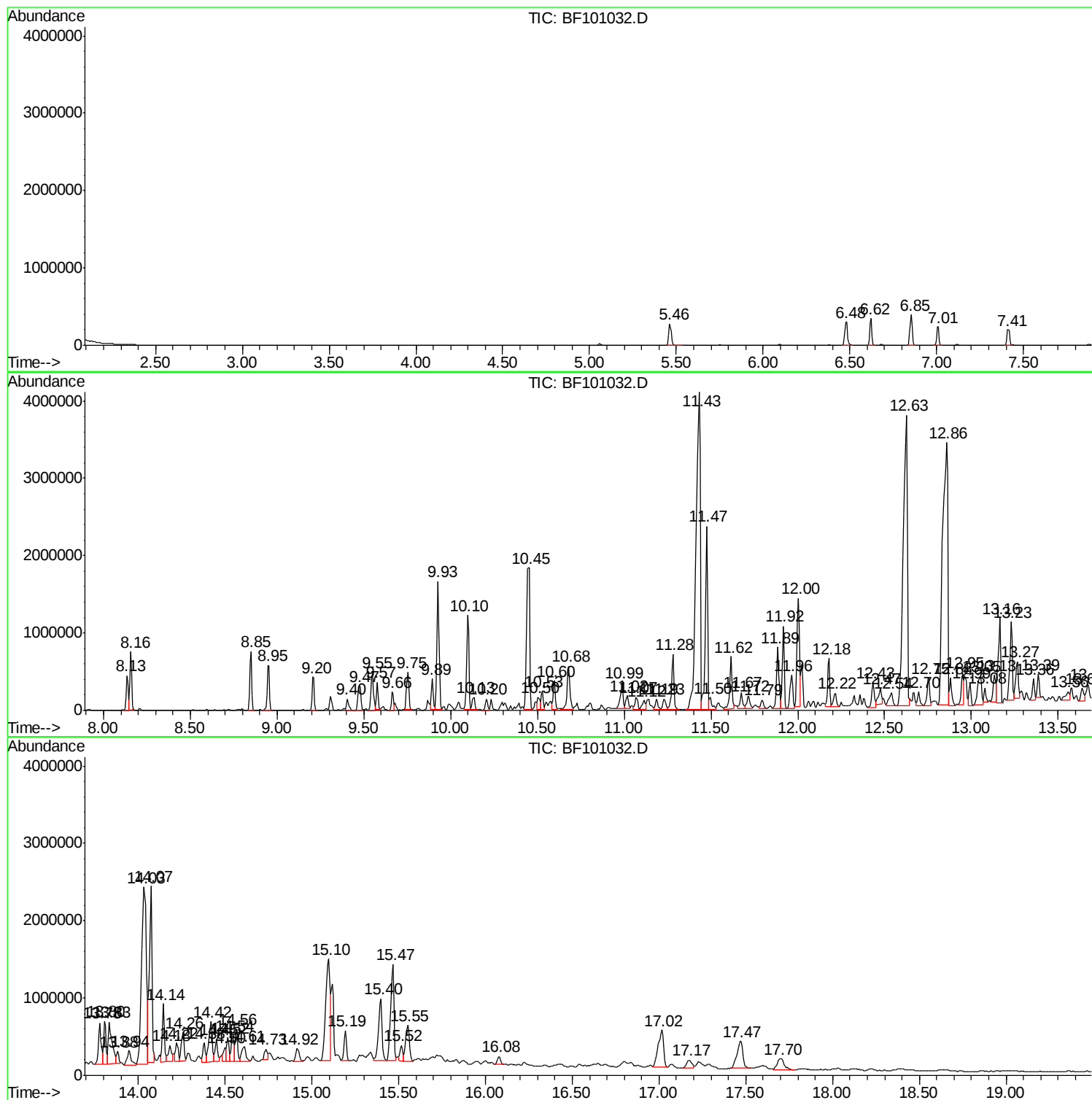
Sum of corrected areas: 73837153

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

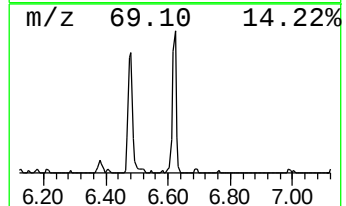
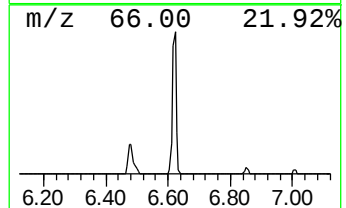
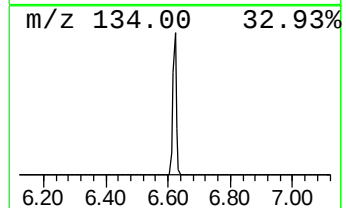
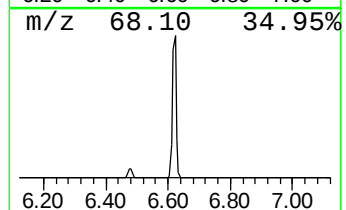
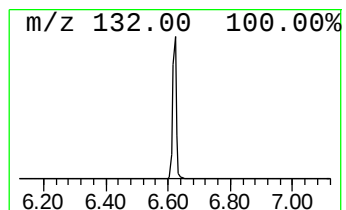
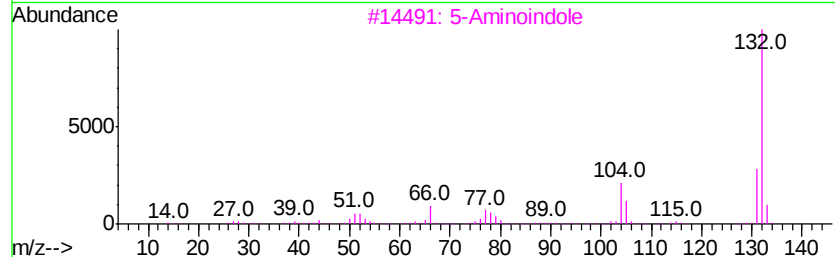
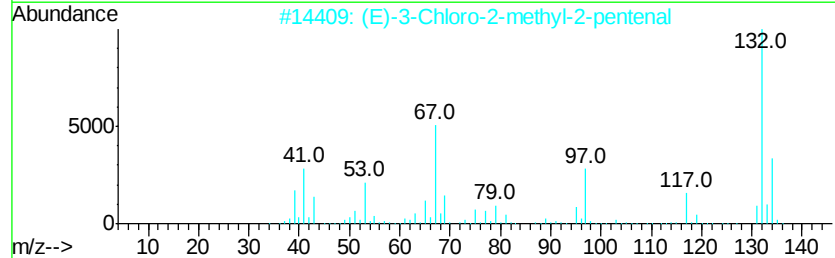
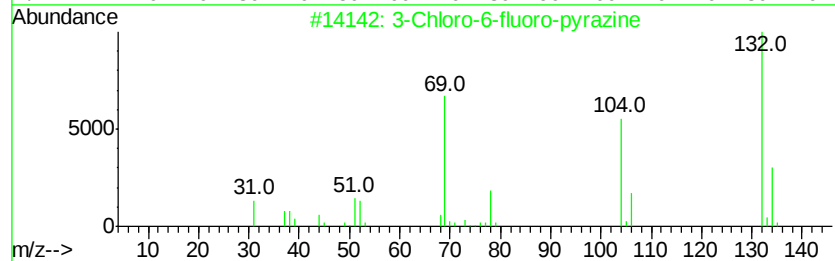
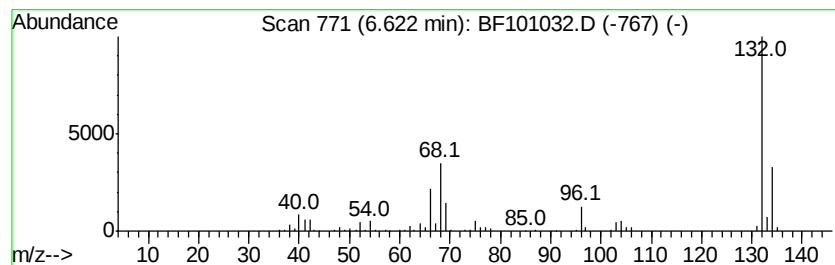
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	18.83 ng	290841	1,4-Dichlorobenzene-d4	6.85

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

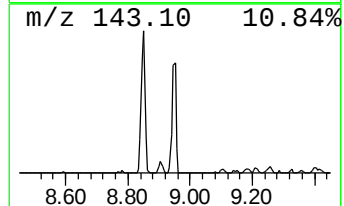
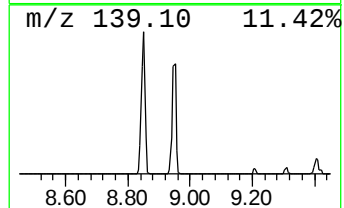
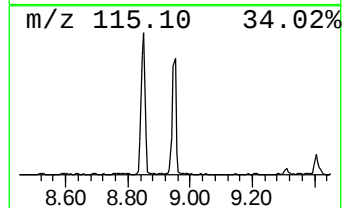
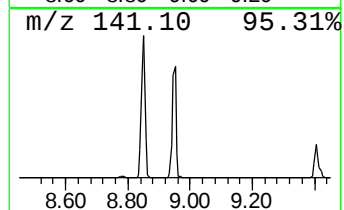
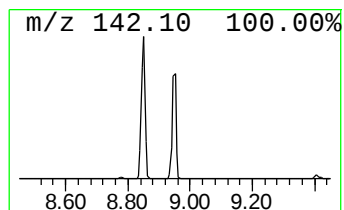
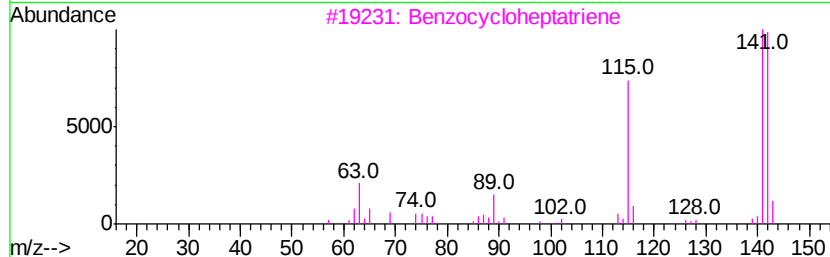
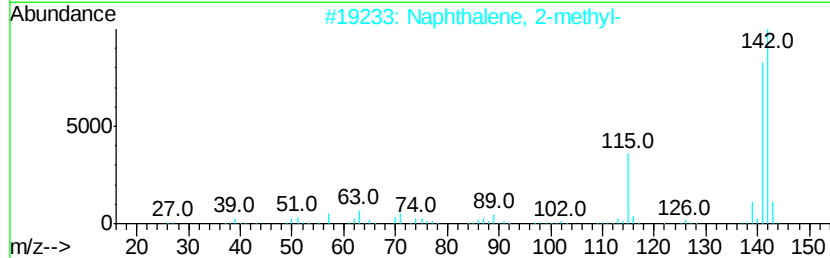
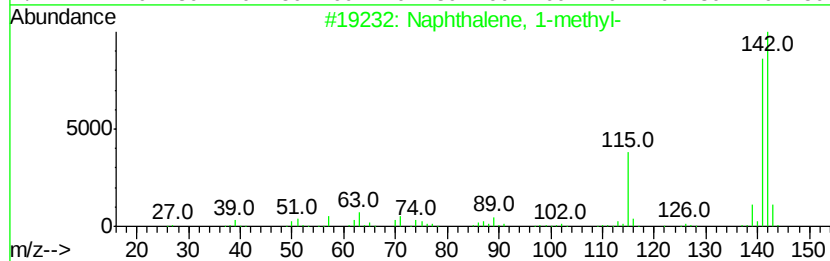
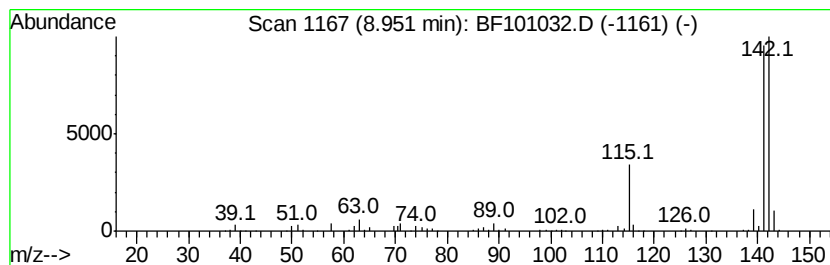
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	27.51 ng	542488	Naphthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

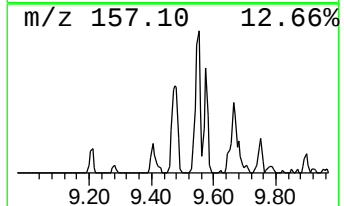
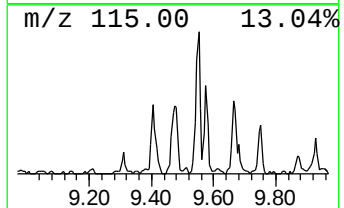
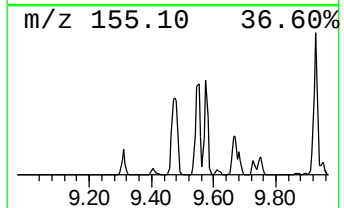
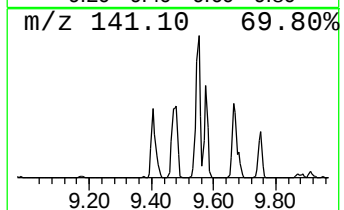
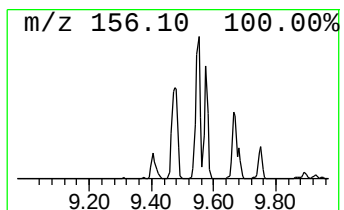
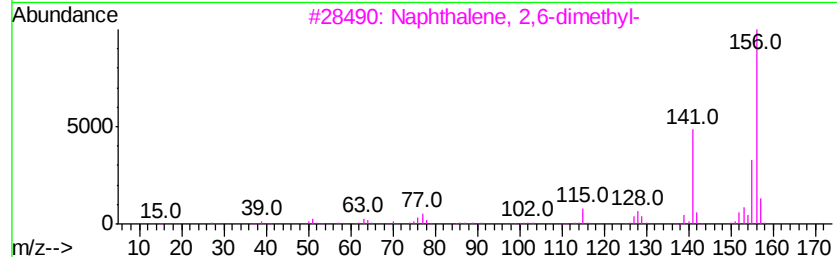
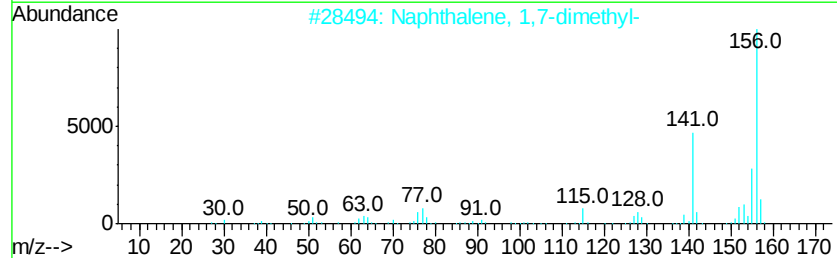
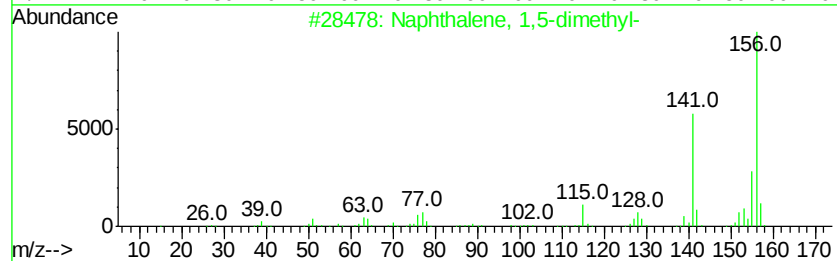
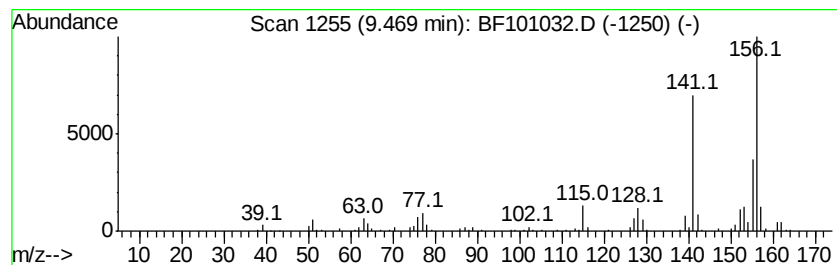
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	25.88 ng	425001	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

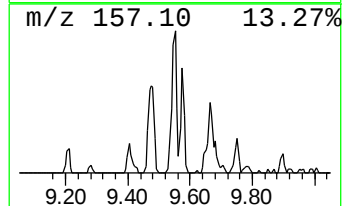
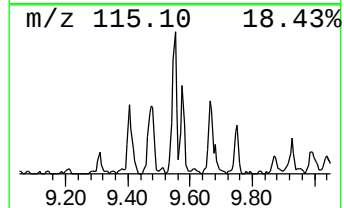
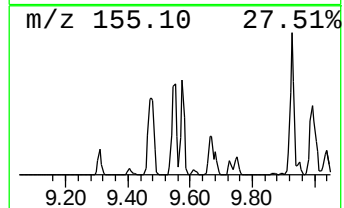
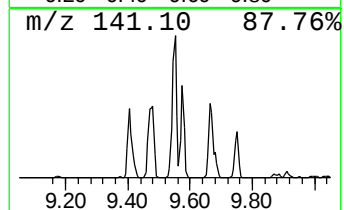
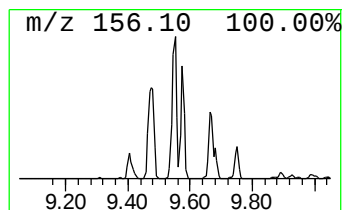
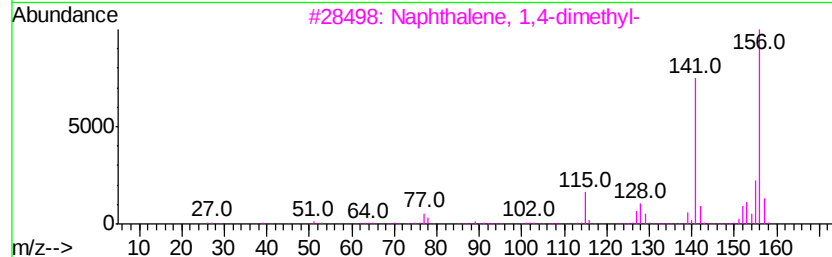
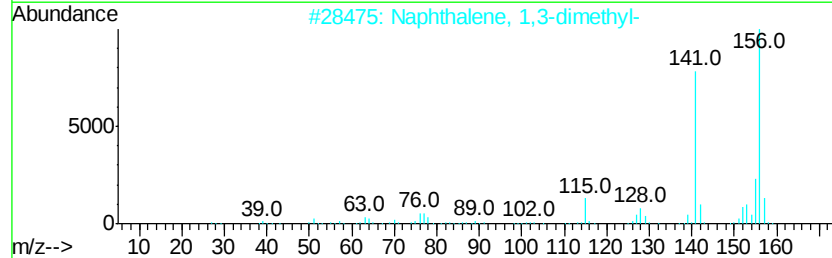
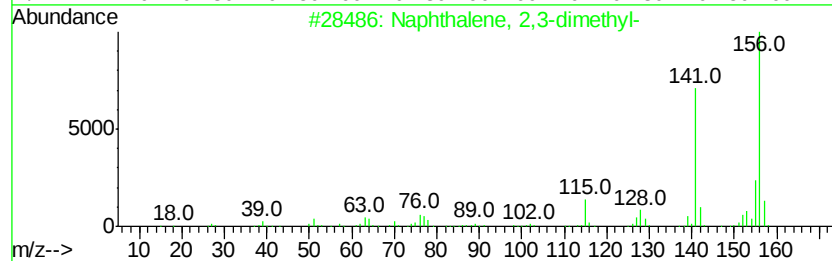
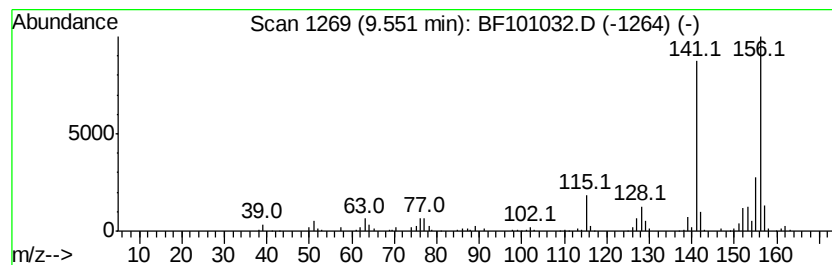
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	29.82 ng	489717	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

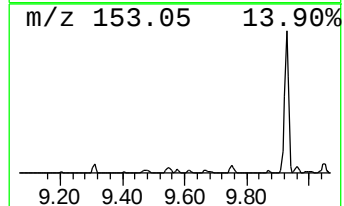
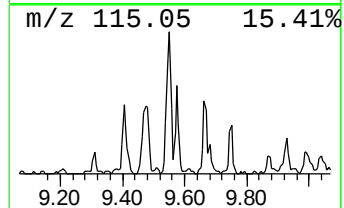
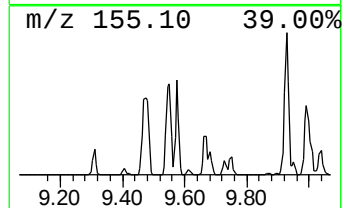
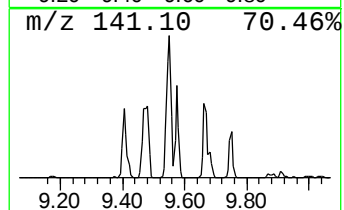
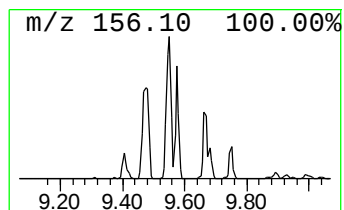
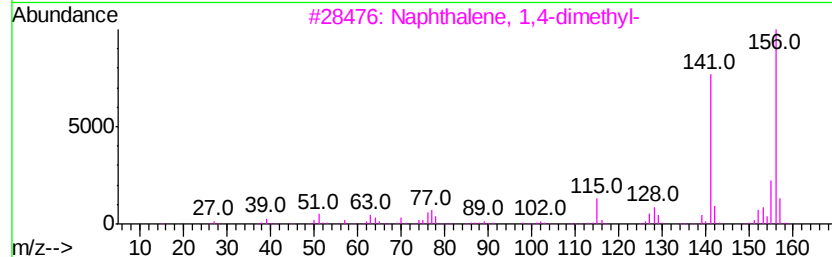
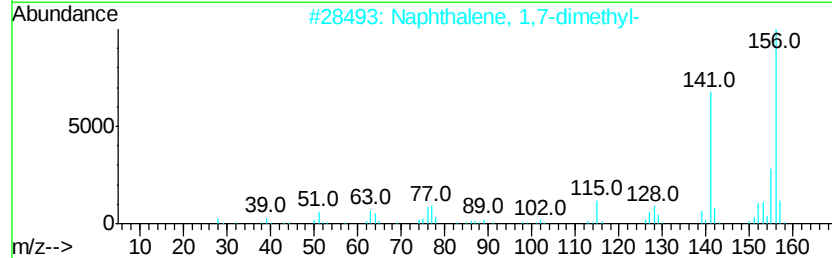
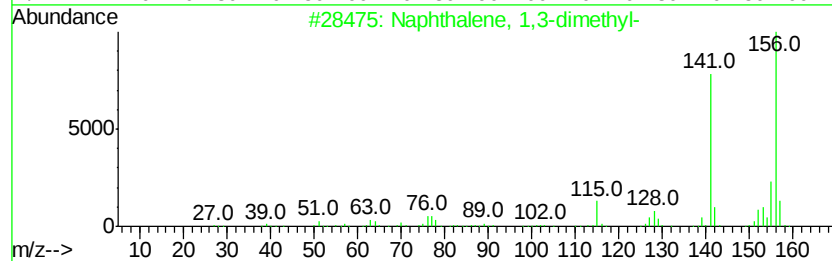
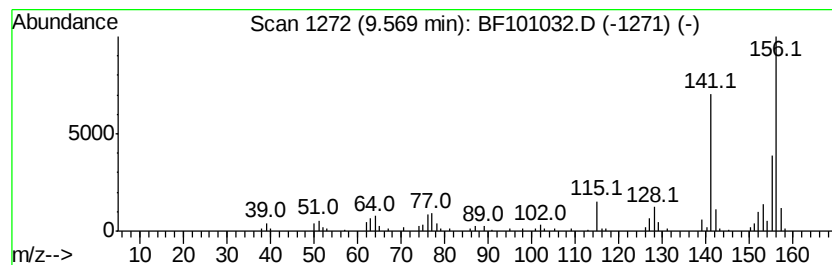
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	15.15 ng	248888	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

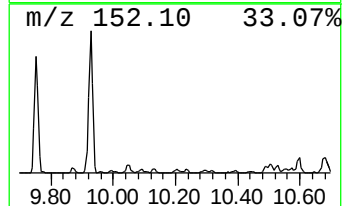
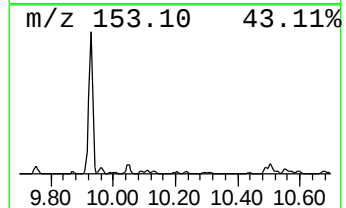
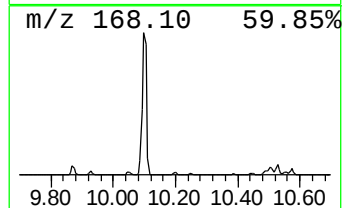
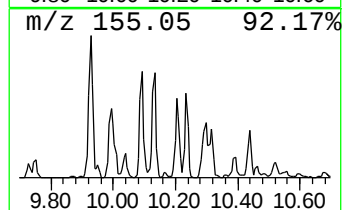
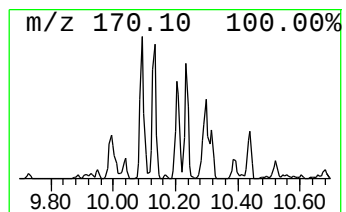
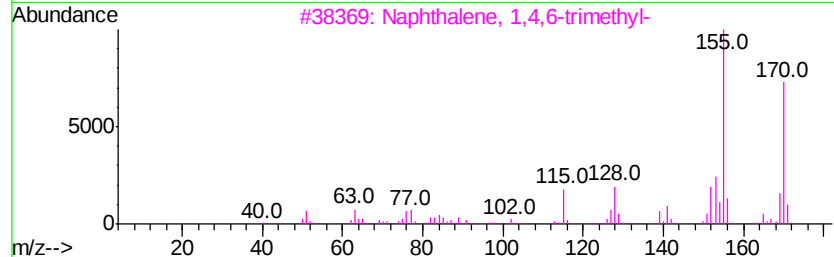
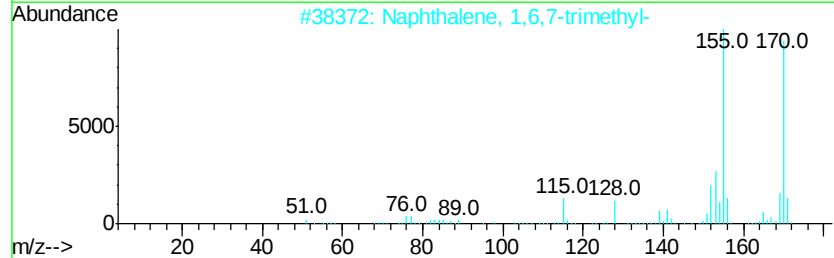
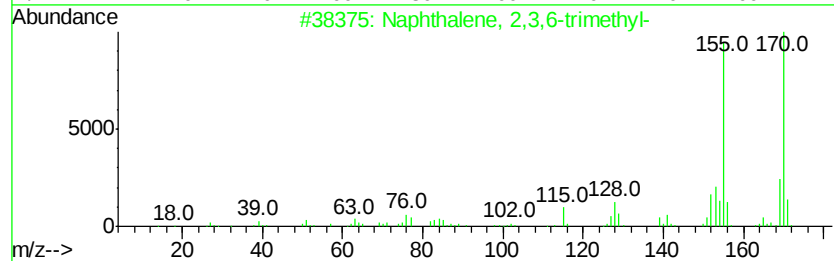
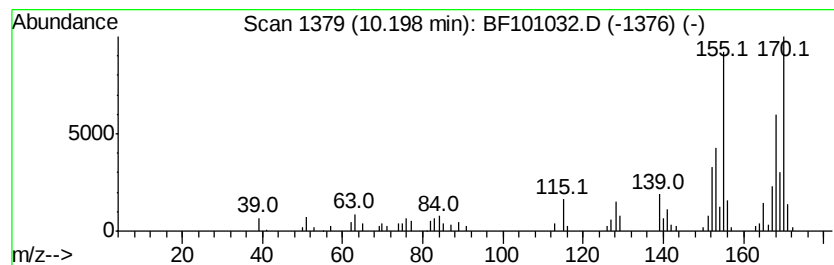
Instrument :
BNA_F
ClientSampleId :
SU-03-112917

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	9.13 ng	149987	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 98
2		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 96
3		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 96
4		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 96
5		4,6,8-Trimethylazulene	170 C13H14	000941-81-1 91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101032.D
Acq On : 30 Nov 2017 21:58
Operator : SJ/JU
Sample : I6289-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112917

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	8.27 ng	135791	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3		5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	43
4		1-Fluoro-1-hex-1-ynyl-2,2-dimeth...	168	C11H17F	1000300-49-2	38
5		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38

