LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

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-BF072517.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	4.516	477	481	485	rBV2	55795	87289	1.83%	0.144%
2	4.557	485	488	498	rVB3	28150	60483	1.26%	0.099%
3	4.981	557	560	574	rBV	888355	1574576	32.93%	2.590%
4	5.122	582	584	592	rVB	386784	421356	8.81%	0.693%
5	5.198	592	597	599	rVV3	39261	49977	1.05%	0.082%
6	5.240	599	604	615	rVB2	173224	315505	6.60%	0.519%
7	5.416	624	634	642	rBV3	71401	106996	2.24%	0.176%
8	5.716	679	685	690	rVB3	67787	116217	2.43%	0.191%
9	5.792	690	698	702	rBV3	114782	162824	3.41%	0.268%
10	5.839	704	706	711	rVB	64009	75081	1.57%	0.123%
11	5.887	711	714	723	rBV	83579	99756	2.09%	0.164%
12	5.998	729	733	735	rBV4	46621	66512	1.39%	0.109%
13	6.075	743	746	757	rBV	746003	1223397	25.59%	2.012%
14	6.169	758	762	770	rVB	2158339	2522303	52.75%	4.148%
15	6.298	781	784	786	rBV3	58798	68196	1.43%	0.112%
16	6.322	786	788	793	rVB2	162164	183545	3.84%	0.302%
17	6.392	797	800	809	rBV2	617903	835183	17.47%	1.374%
18	6.469	811	813	822	rVB2	79727	137803	2.88%	0.227%
19	6.545	822	826	829	rBV	2317108	2408775	50.38%	3.962%
20	6.616	836	838	842	rVB2	107487	105936	2.22%	0.174%
21	6.651	842	844	847	rVB2	65488	56386	1.18%	0.093%
22	6.722	853	856	858	rBV3	94461	117420	2.46%	0.193%
23	6.745	858	860	867	rVB3	117392	169421	3.54%	0.279%
24	6.810	867	871	873	rBV2	94148	107199	2.24%	0.176%
25	6.939	885	893	895	rBV4	475279	881442	18.43%	1.450%
26	6.969	895	898	904	rVB	2014166	2041977	42.71%	3.358%
27	7.028	904	908	910	rBV4	72345	116469	2.44%	0.192%
28	7.075	914	916	920	rVB2	221797	229992	4.81%	0.378%
29	7.122	920	924	927	rBV4	154375	228055	4.77%	0.375%
30	7.175	929	933	936	rVB	335554	305014	6.38%	0.502%
31	7.257	943	947	951	rVB5	292308	408341	8.54%	0.672%
32	7.304	951	955	958	rBV5	79953	152025	3.18%	0.250%
33	7.351	958	963	967	rBV3	260342	417280	8.73%	0.686%
34	7.422	967	975	977	rBV2	713876	1181662	24.71%	1.943%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.445	977	979	983	rVB2	578666	556488	11.64%	0.915%
36	7.481	983	985	987	rBV	167339	149195	3.12%	0.245%
37	7.510	987	990	991	rBV3	116169	101025	2.11%	0.166%
38	7.569	994	1000	1002	rBV3	396232	610879	12.78%	1.005%
39	7.598	1002	1005	1006	rBV2	77792	79797	1.67%	0.131%
40	7.675	1014	1018	1021	rBV	1103962	1146726	23.98%	1.886%
41	7.704	1021	1023	1024	rBV2	143702	115960	2.43%	0.191%
42	7.728	1024	1027	1030	rBV3	328081	486374	10.17%	0.800%
43	7.810	1038	1041	1043	rVB	471944	556468	11.64%	0.915%
44	7.833	1043	1045	1048	rVB3	401674	413093	8.64%	0.679%
45	7.863	1048	1050	1054	rVB4	214767	225354	4.71%	0.371%
46	7.922	1054	1060	1063	rBV3	550719	1035438	21.66%	1.703%
47	7.957	1063	1066	1068	rBV4	285529	333688	6.98%	0.549%
48	8.010	1072	1075	1078	rBV4	278218	394174	8.24%	0.648%
49	8.069	1083	1085	1086	rBV	205574	118474	2.48%	0.195%
50	8.086	1086	1088	1091	rVB	325446	259109	5.42%	0.426%
51	8.145	1095	1098	1100	rBV2	666082	674561	14.11%	1.109%
52	8.204	1100	1108	1111	rVB2	1041195	1965146	41.10%	3.232%
53	8.286	1119	1122	1125	rBV5	225958	305807	6.40%	0.503%
54	8.375	1133	1137	1143	rBV5	563174	1131475	23.66%	1.861%
55	8.492	1149	1157	1165	rBV2	2446381	4781486	100.00%	7.864%
56	8.575	1167	1171	1175	rBV4	492687	843057	17.63%	1.387%
57	8.692	1188	1191	1193	rBV	751728	905434	18.94%	1.489%
58	8.716	1193	1195	1199	rVV4	765593	1163767	24.34%	1.914%
59	8.757	1199	1202	1206	rVV	2094553	2428849	50.80%	3.995%
60	8.804	1208	1210	1215	rVB5	649702	948403	19.83%	1.560%
61	8.886	1221	1224	1229	rVB5	618957	941980	19.70%	1.549%
62	8.939	1230	1233	1235	rBV2	685878	592360	12.39%	0.974%
63	9.022	1243	1247	1249	rBV	1101477	1662067	34.76%	2.733%
64	9.092	1256	1259	1262	rBV	1238529	1638648	34.27%	2.695%
65	9.122	1262	1264	1268	rVB2	1495583	1667118	34.87%	2.742%
66	9.186	1270	1275	1278	rBV4	1034793	2157522	45.12%	3.548%
67	9.286	1290	1292	1296	rVB4	654968	704969	14.74%	1.159%
68	9.351	1300	1303	1306	rVB	813548	854565	17.87%	1.405%
69	9.410	1310	1313	1314	rBV	593935	554873	11.60%	0.913%
70	9.622	1346	1349	1351	rBV	1065436	1181248	24.70%	1.943%
71	9.751	1369	1371	1373	rVB2	494294	437031	9.14%	0.719%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.780	1373	1376	1379	rVB	718716	698073	14.60%	1.148%
73	9.822	1381	1383	1386	rBV3	482769	547927	11.46%	0.901%
74	9.980	1407	1410	1413	rVB3	637917	715470	14.96%	1.177%
75	10.233	1449	1453	1459	rVB6	656004	1096201	22.93%	1.803%
76	10.304	1463	1465	1470	rVV3	767256	1146133	23.97%	1.885%
77	10.363	1473	1475	1479	rVB3	841301	951209	19.89%	1.564%
78	11.039	1587	1590	1599	rVB4	915235	1494104	31.25%	2.457%
79	12.286	1799	1802	1808	rVB	701418	887836	18.57%	1.460%
80	12.492	1834	1837	1843	rVB	998811	1050865	21.98%	1.728%
81	13.539	2012	2015	2019	rVB	486406	478042	10.00%	0.786%
82	14.874	2238	2242	2248	rVB	485287	581383	12.16%	0.956%

Sum of corrected areas: 60804244

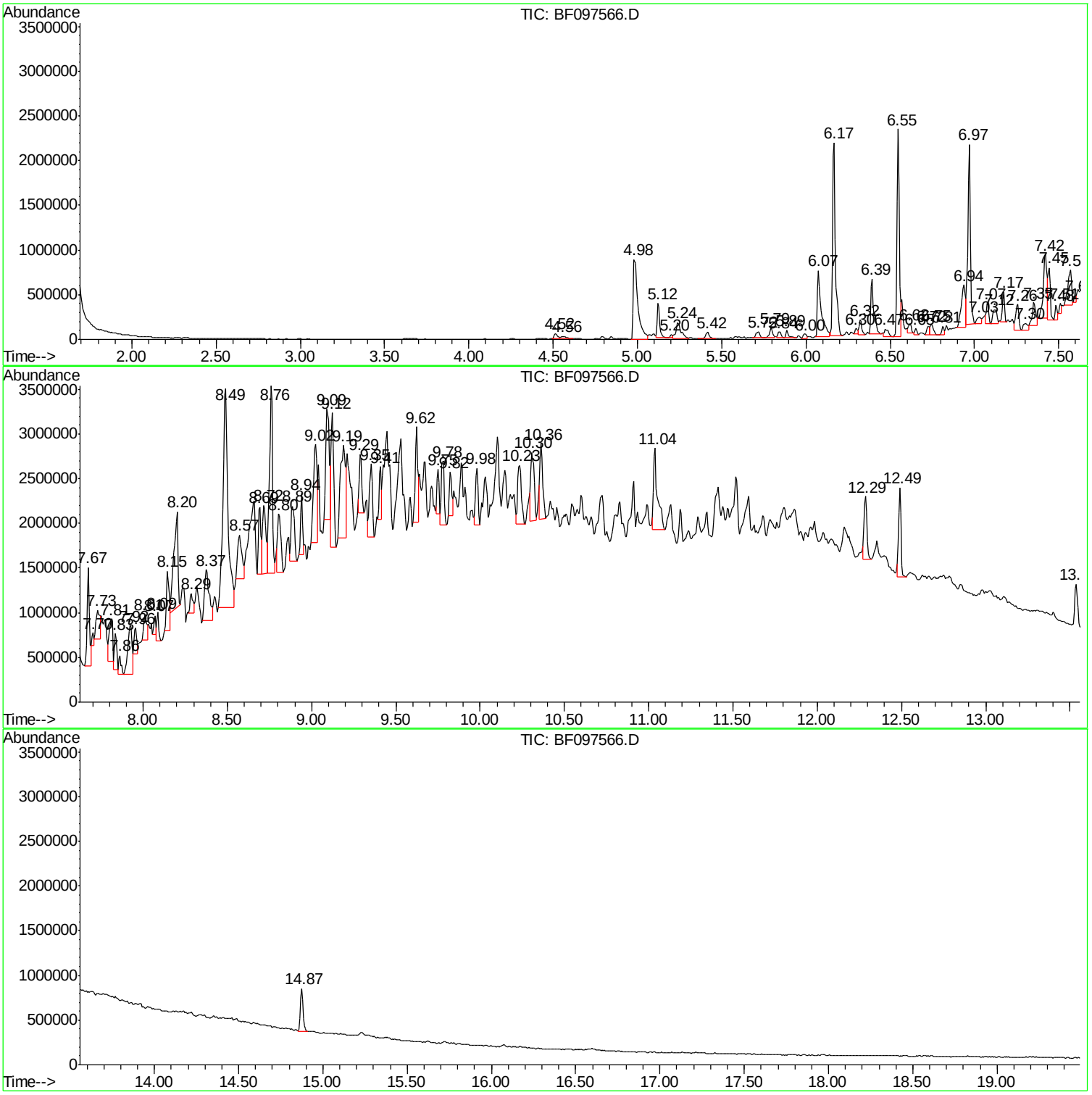
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

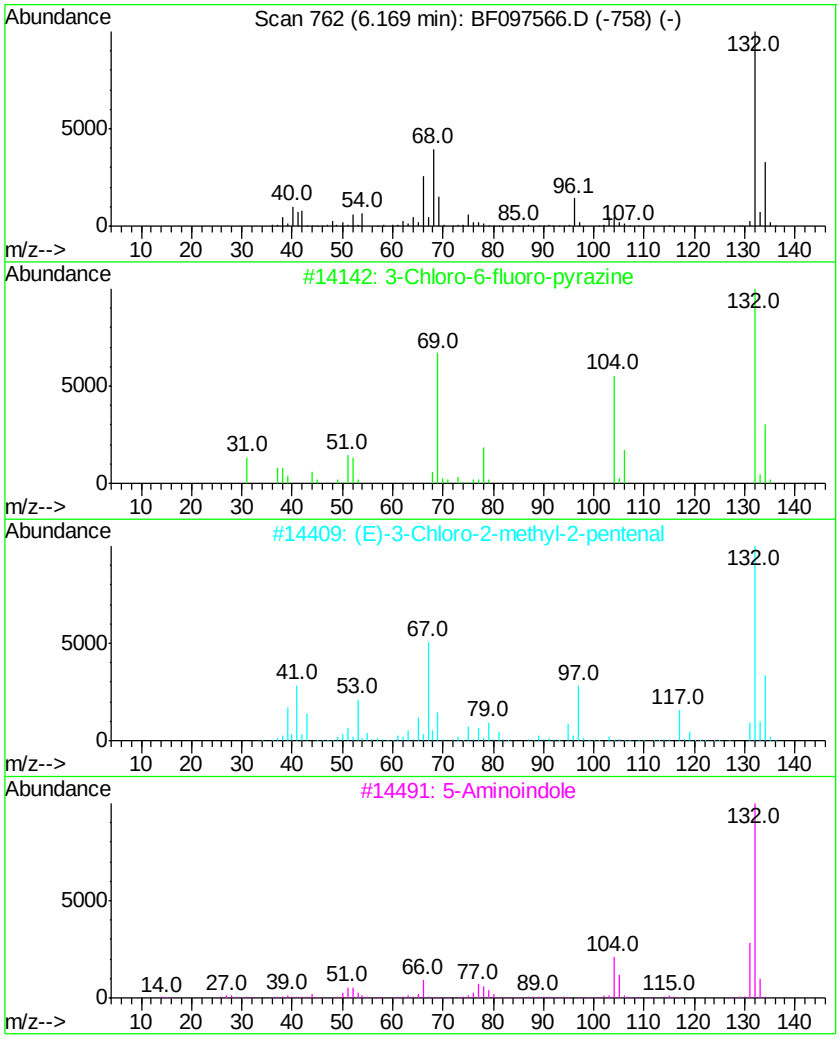
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

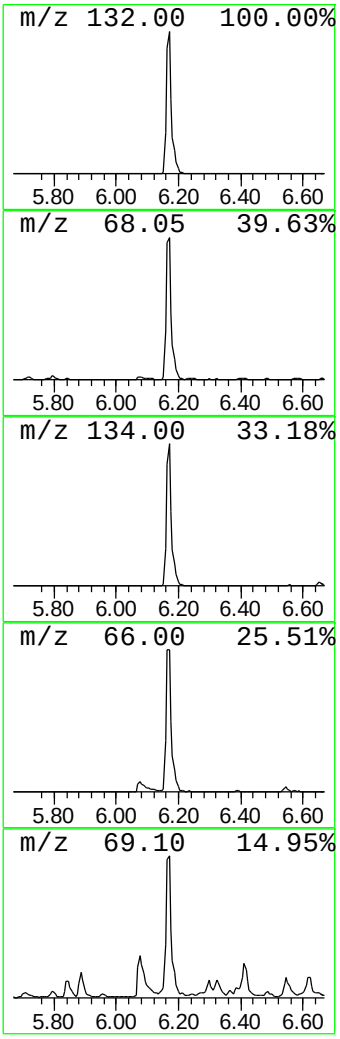
****

Peak Number 1 unknown6.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	60.40 ng	2522300	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

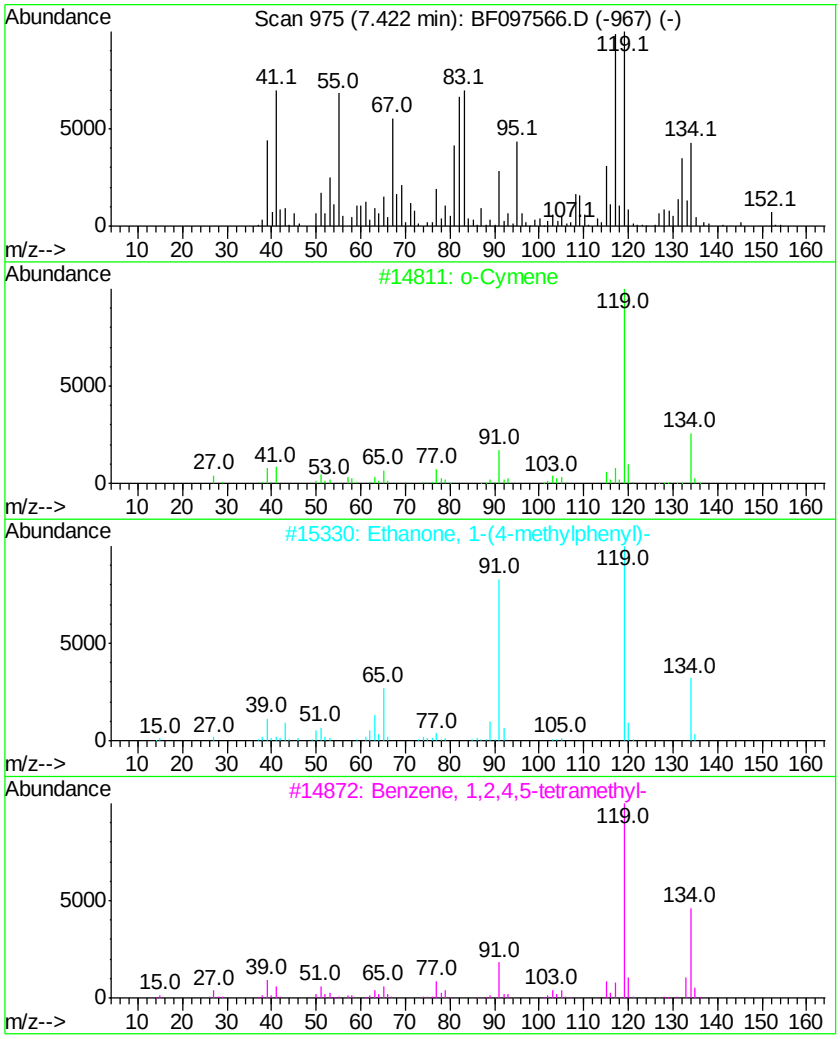
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

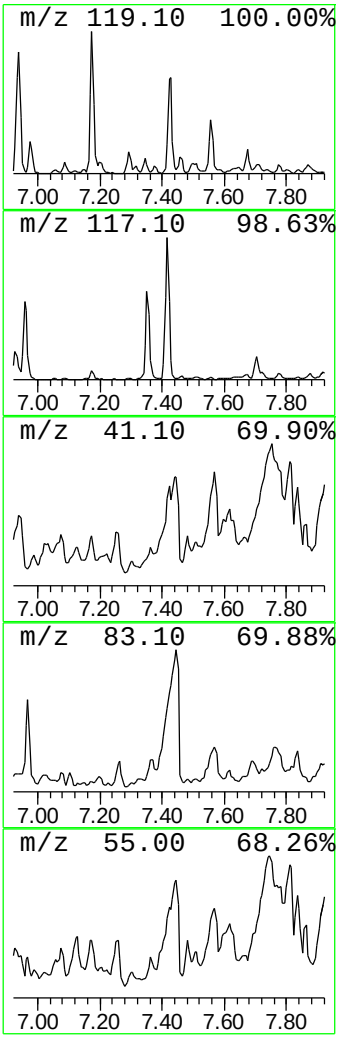
****

Peak Number 2 unknown7.42 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	20.61 ng	1181660	Naphthalene-d8	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	35
2	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	35
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	35
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	35
5	p-Cymene	134	C10H14	000099-87-6	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

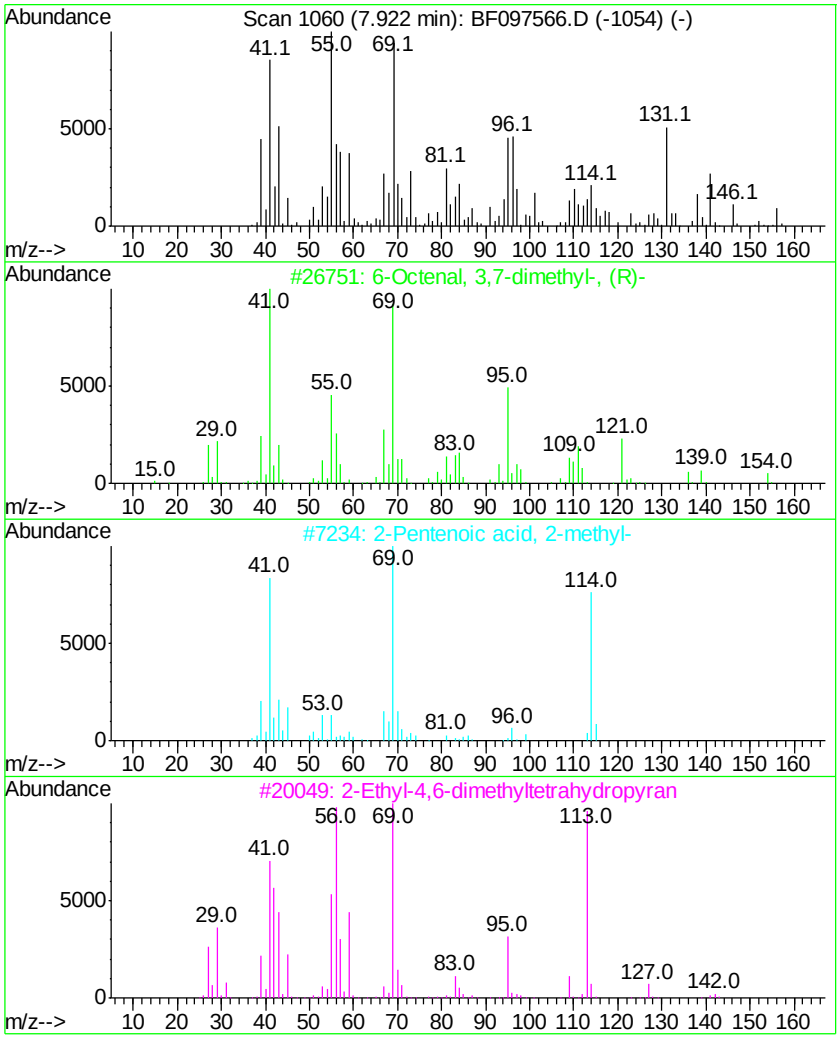
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

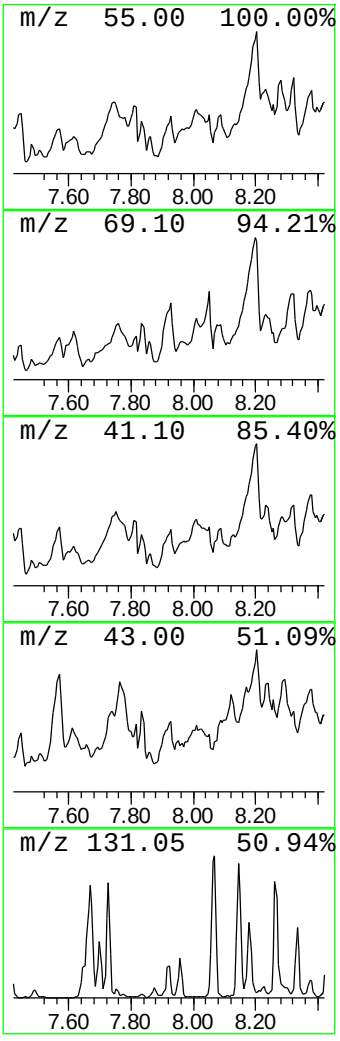
****

Peak Number 3 unknown7.92 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	18.06 ng	1035440	Naphthalene-d8	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	27
2	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	25
3	2-Ethyl-4,6-dimethyltetrahydropyran	142	C9H18O	1000210-77-5	22
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	20
5	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

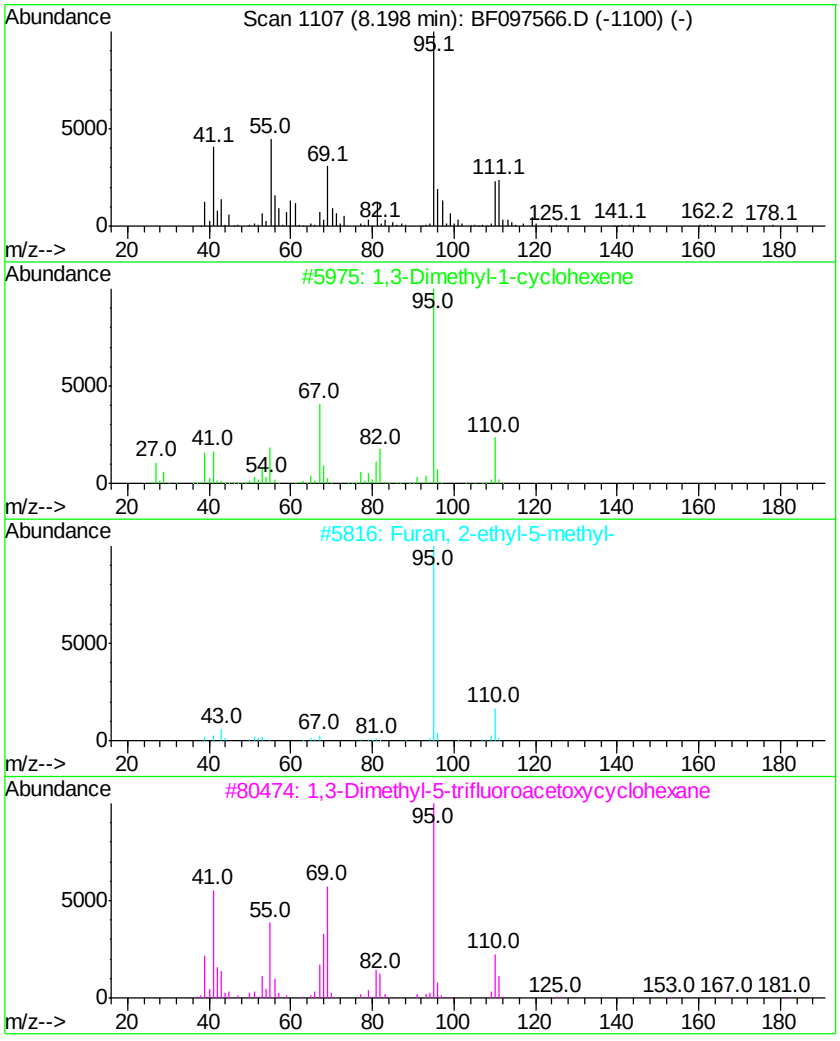
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

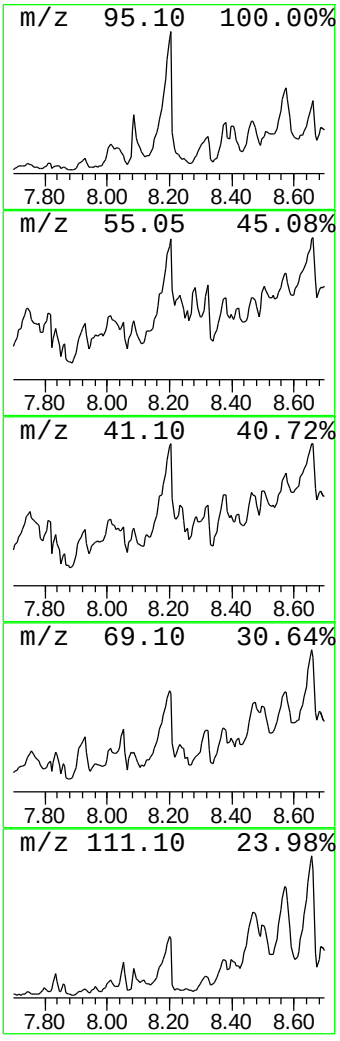
****

Peak Number 4 unknown8.20 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	34.27 ng	1965150	Naphthalene-d8	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	47
2	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	47
3	1,3-Dimethyl-5-trifluoroacetoxyc...	224	C10H15F3O2	1000216-63-7	38
4	1-Cyclohexyl-2,2-dimethyl-1-prop...	212	C13H24O2	1000114-85-8	28
5	Cyclohexanol, 3,3-dimethyl-	128	C8H16O	000767-12-4	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

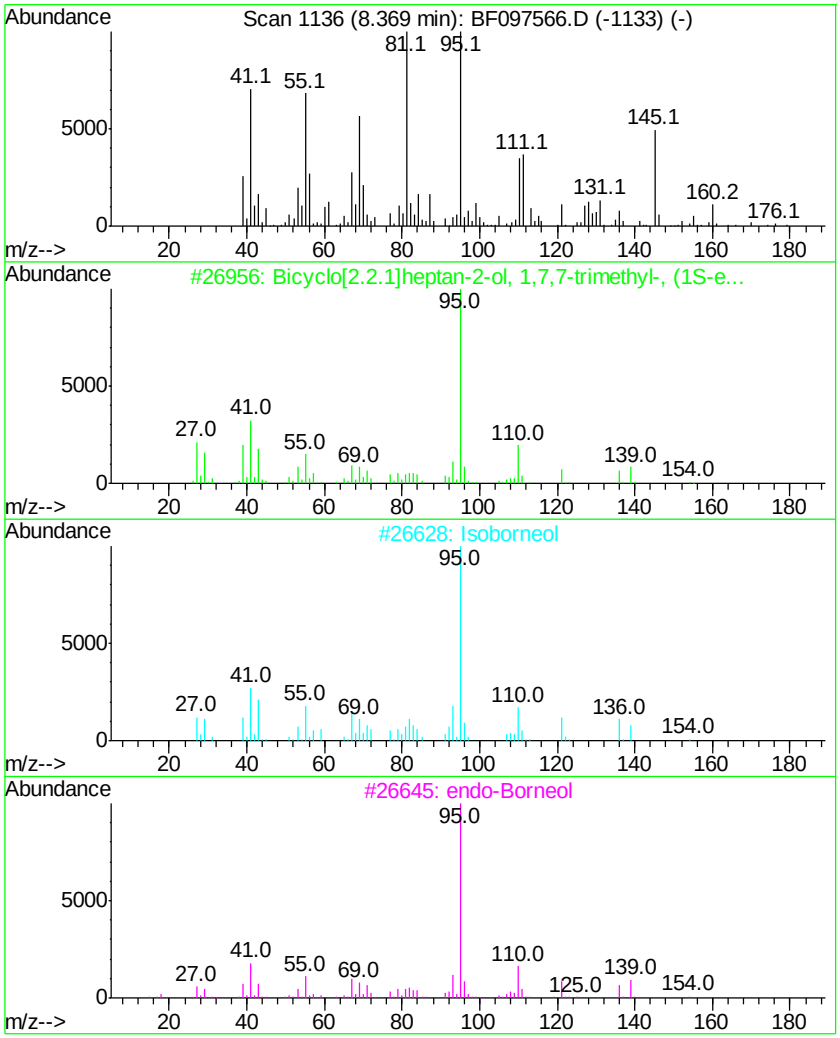
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

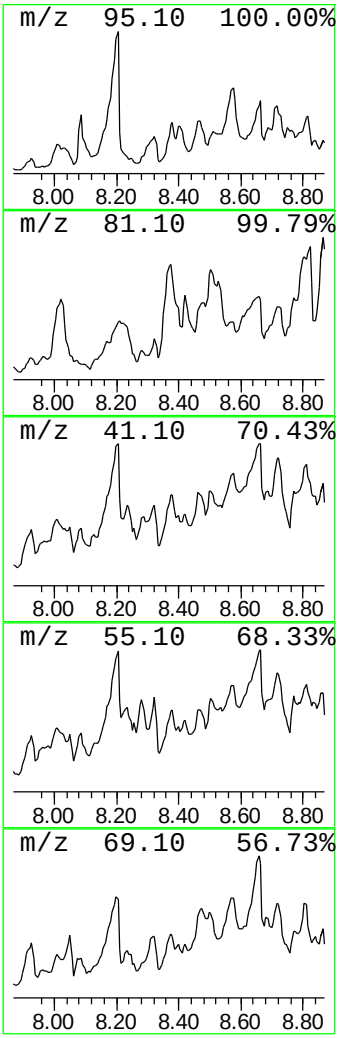
****

Peak Number 5 unknown8.37 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	19.73 ng	1131480	Naphthalene-d8	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	47
2	Isoborneol	154	C10H18O	000124-76-5	43
3	endo-Borneol	154	C10H18O	000507-70-0	43
4	5-Hepten-2-ol, 6-methyl-	128	C8H16O	001569-60-4	43
5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

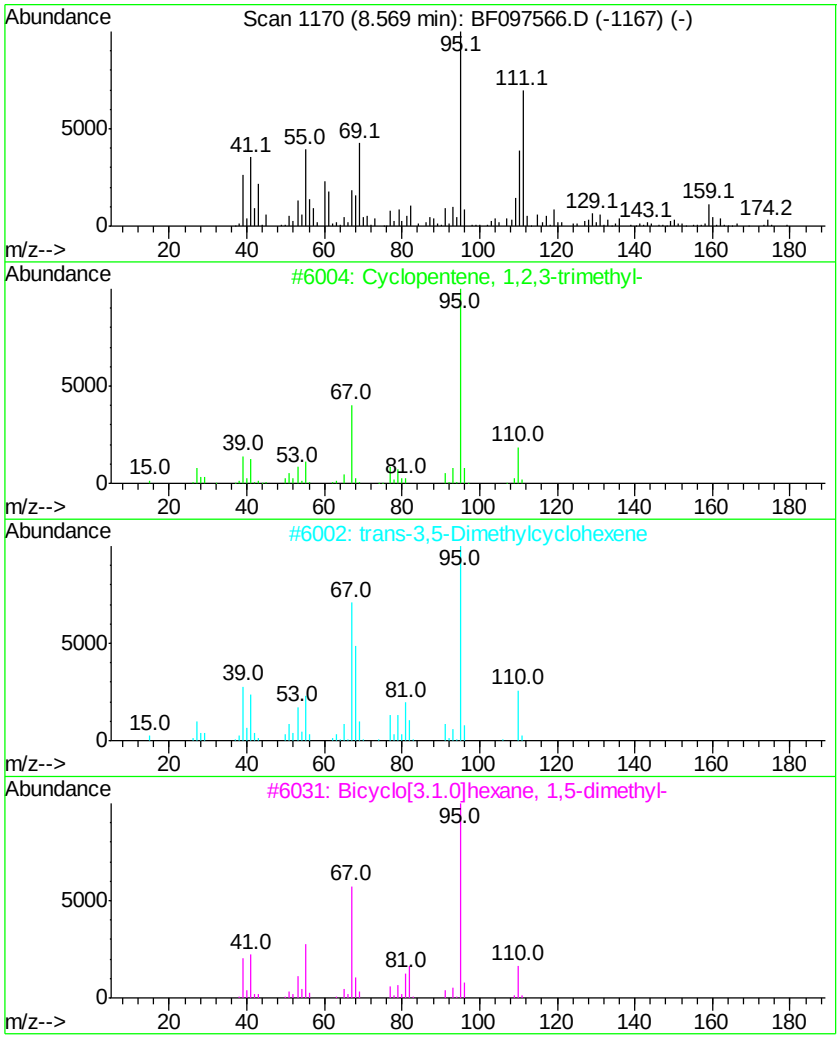
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

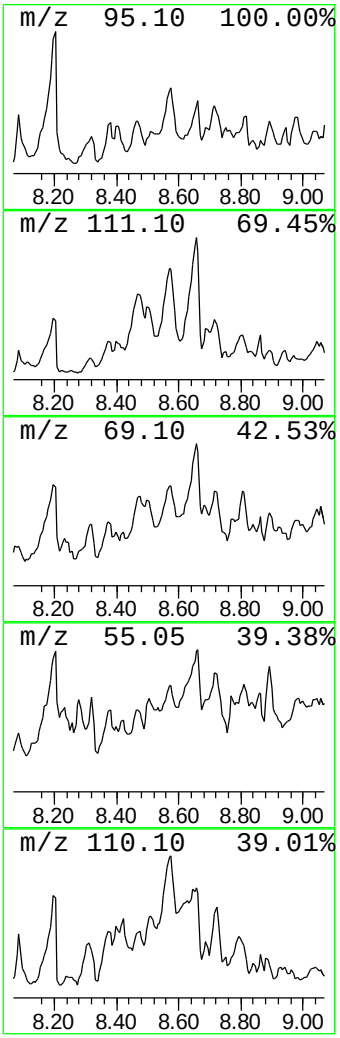
****

Peak Number 6 unknown8.57 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	30.39 ng	843057	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	47
2	trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	46
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	43
4	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	43
5	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

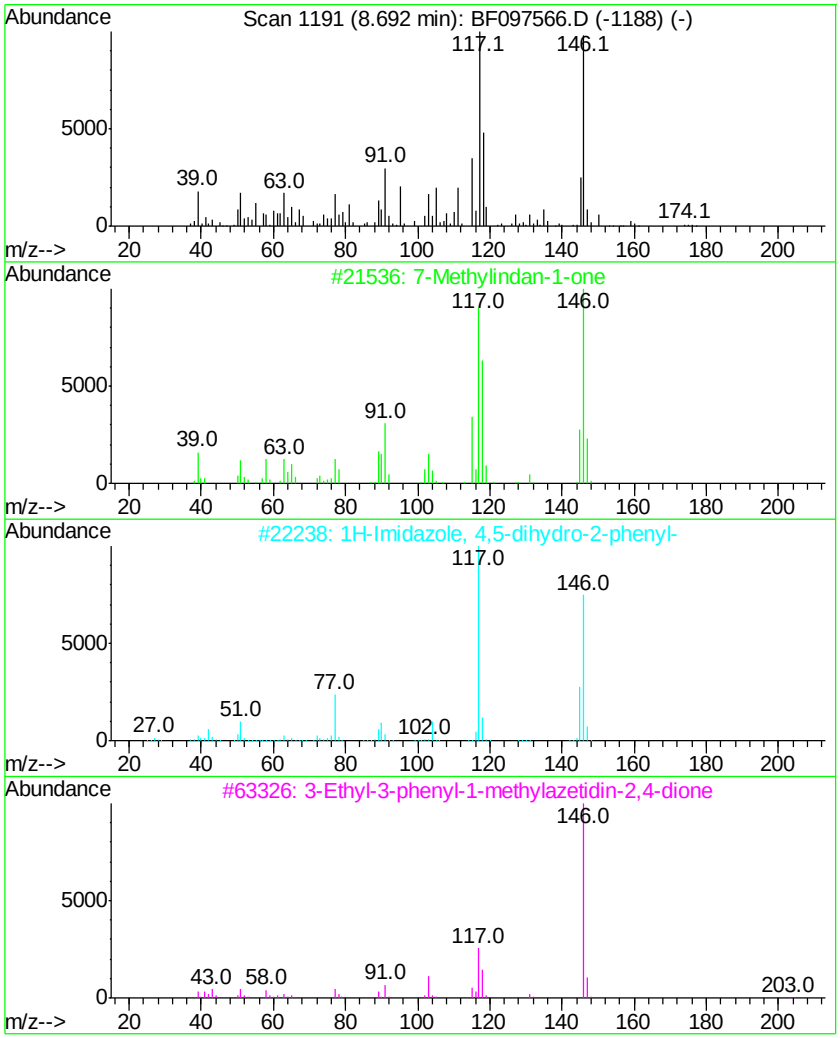
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

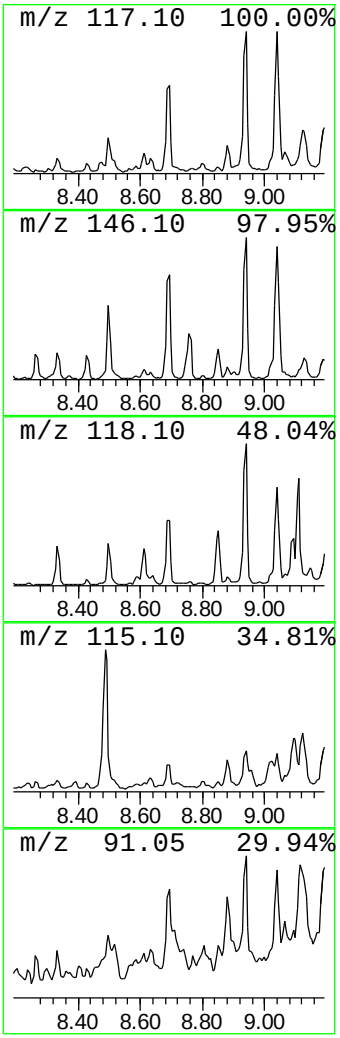
****

Peak Number 7 7-Methylindan-1-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	32.64 ng	905434	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	90
2	1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	60
3	3-Ethyl-3-phenyl-1-methylazetidi...	203	C12H13NO2	1000305-99-8	52
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	52
5	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

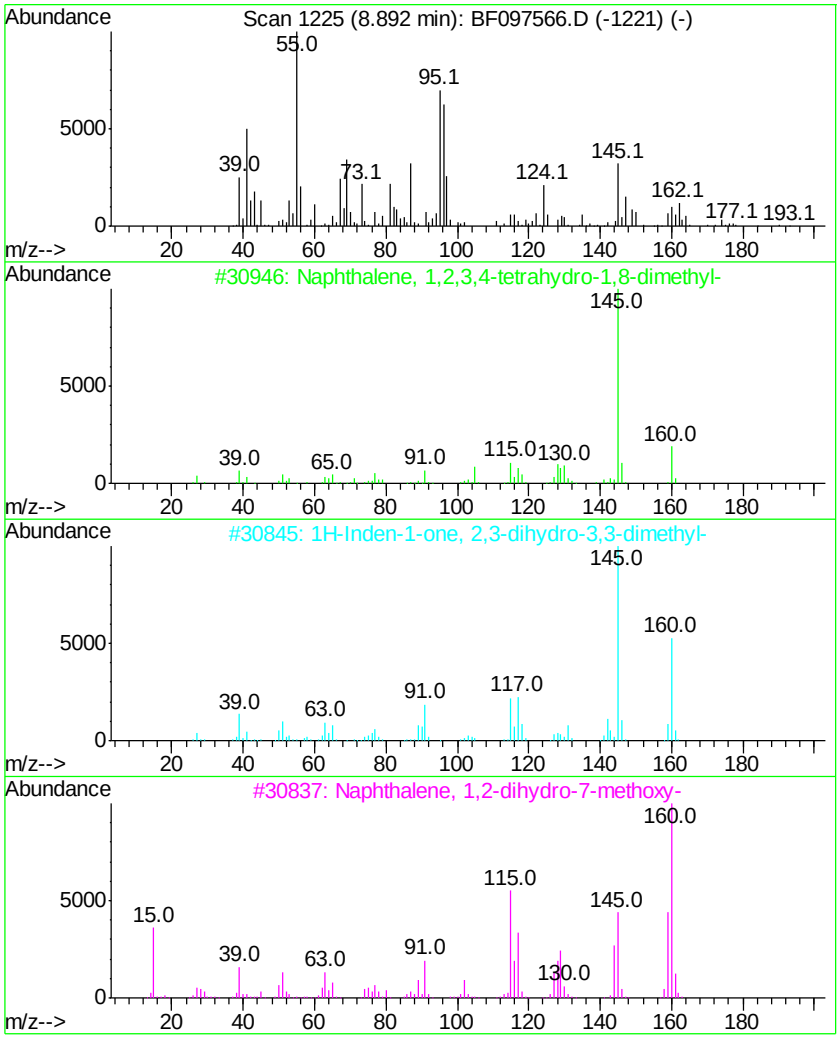
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

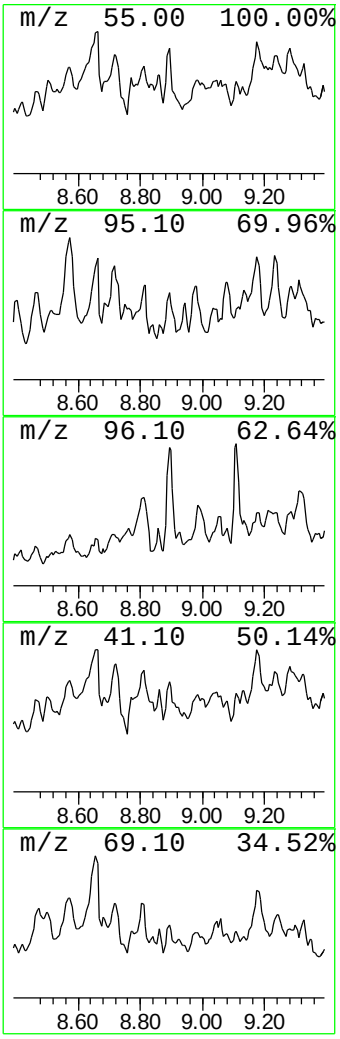
****

Peak Number 8 unknown8.89 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	33.95 ng	941980	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	45
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	38
3	Naphthalene, 1,2-dihydro-7-methoxy-	160	C11H12O	052178-91-3	30
4	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	30
5	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

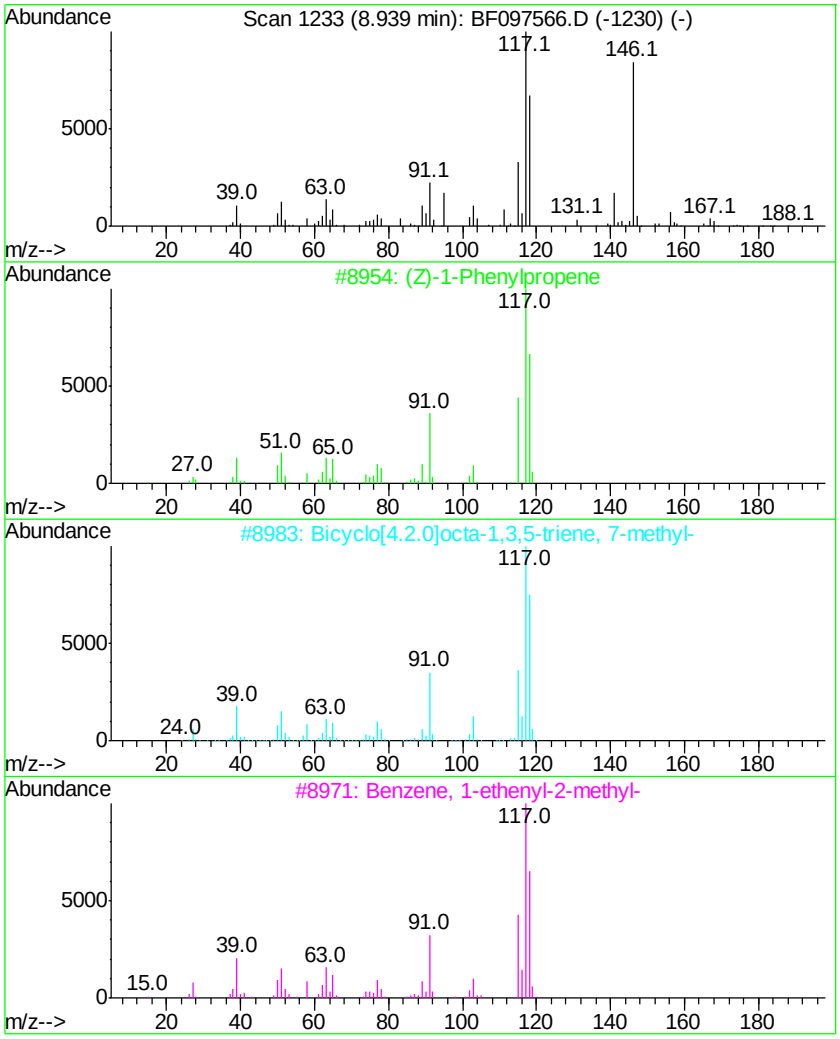
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

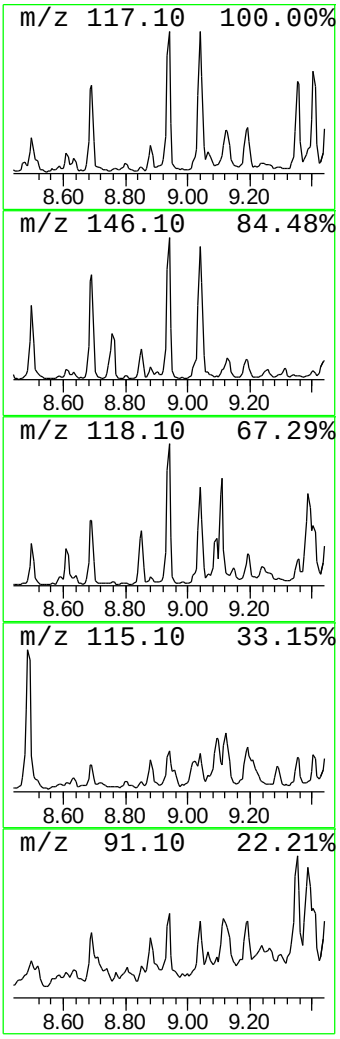
****

Peak Number 9 (Z)-1-Phenylpropene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	21.35 ng	592360	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	50
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	50
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

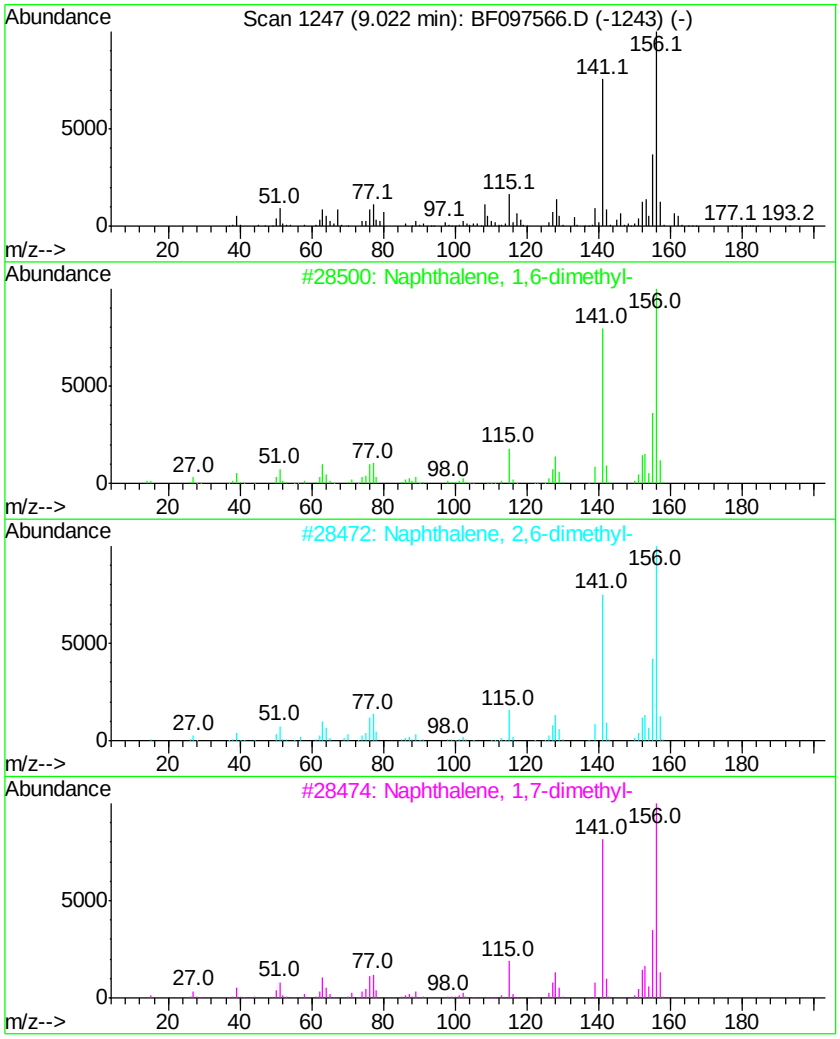
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

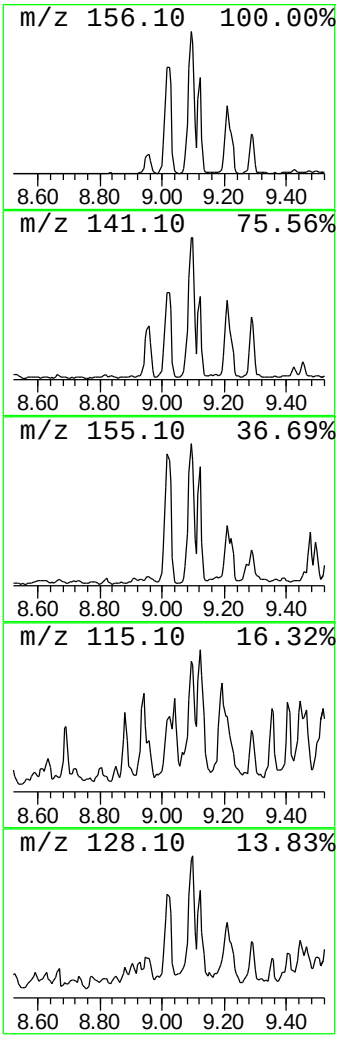
****

Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	59.91 ng	1662070	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

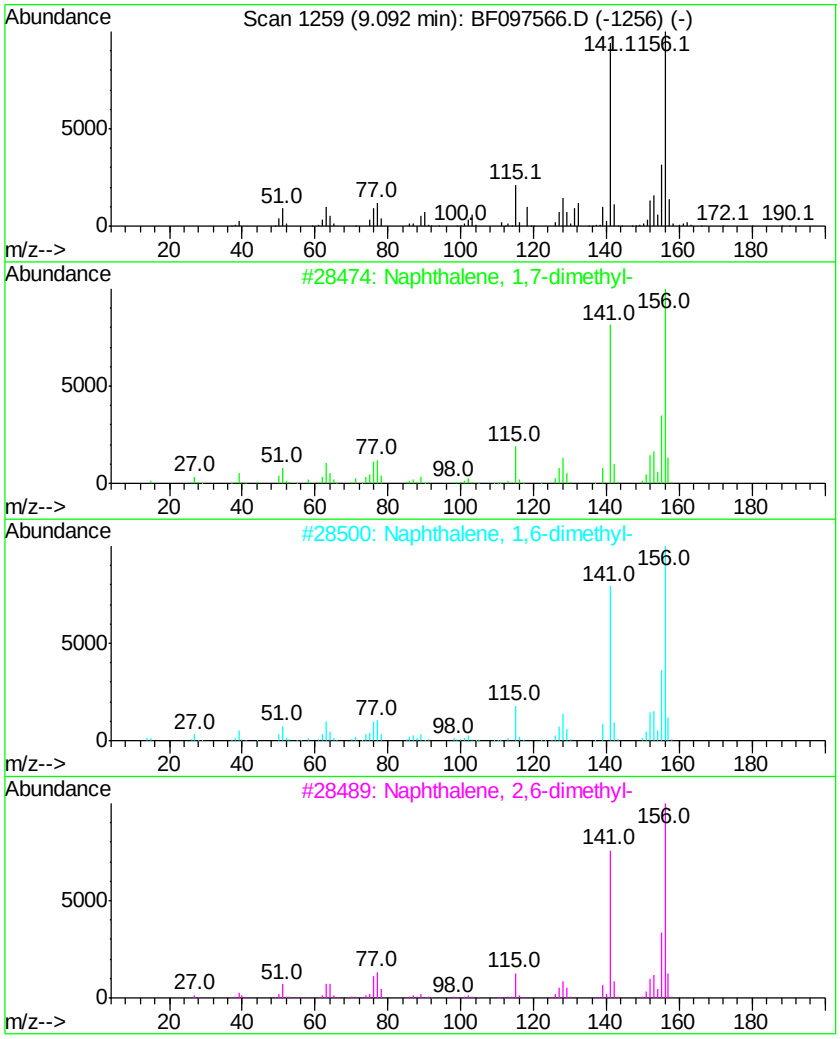
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

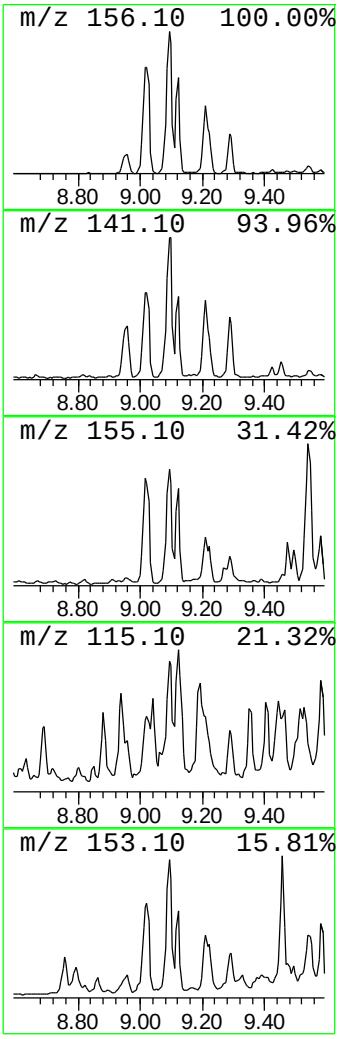
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	59.06 ng	1638650	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

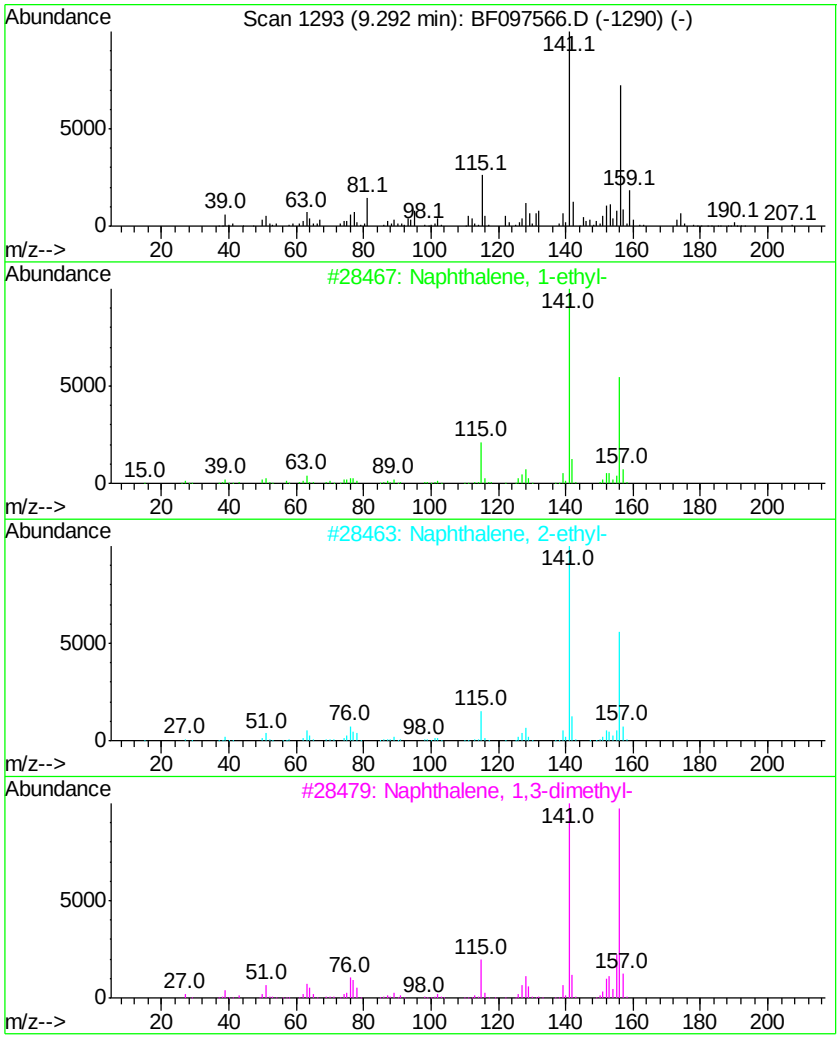
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

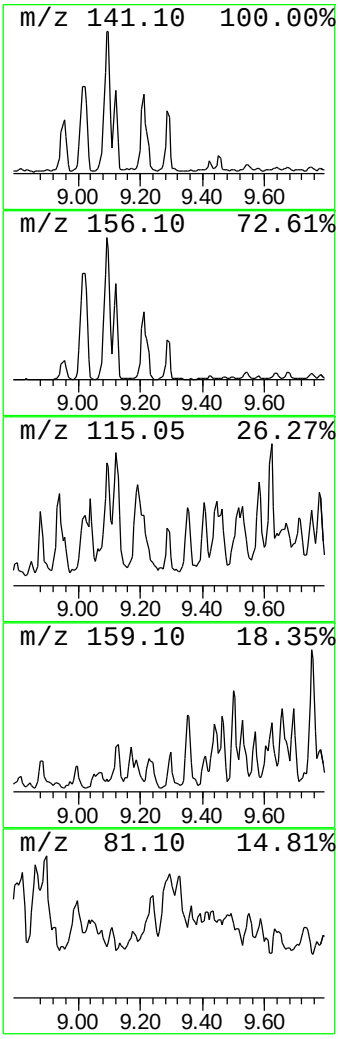
****

Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	25.41 ng	704969	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	90
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

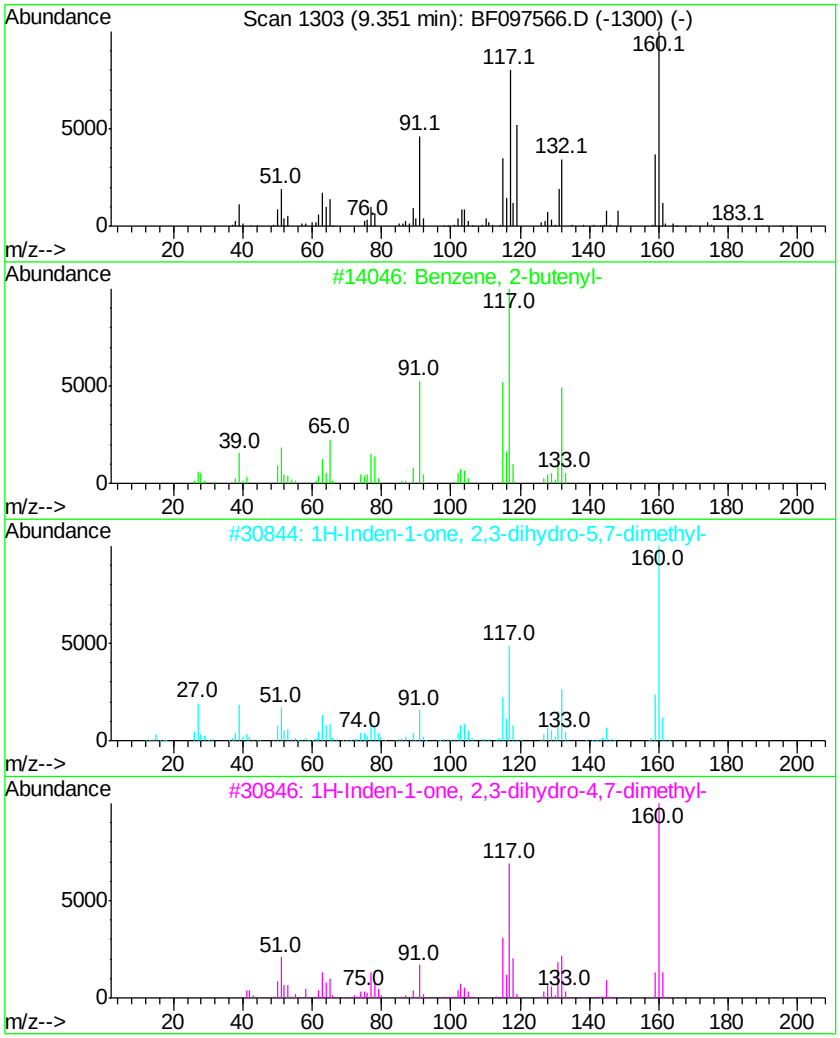
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

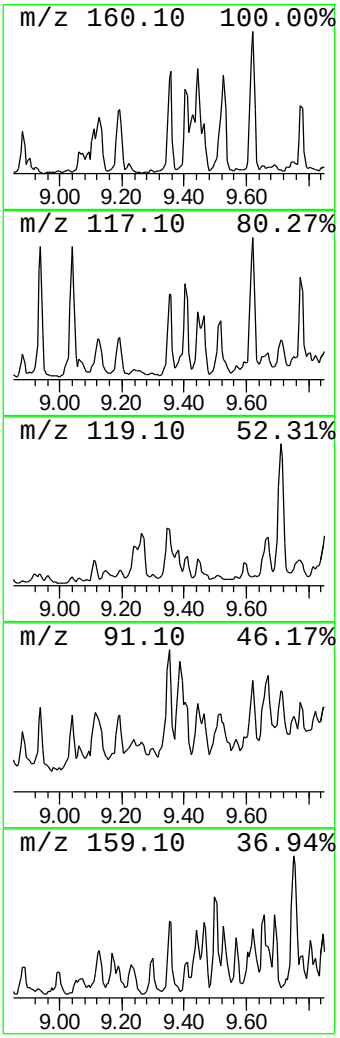
****

Peak Number 13 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	30.80 ng	854565	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	84
2	1H-Inden-1-one, 2,3-dihydro-5,7-...	160	C11H12O	006682-69-5	81
3	1H-Inden-1-one, 2,3-dihydro-4,7-...	160	C11H12O	005037-60-5	74
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
5	1,3,5,7-Cyclooctatetraene, 1-butyl-	160	C12H16	013402-37-4	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

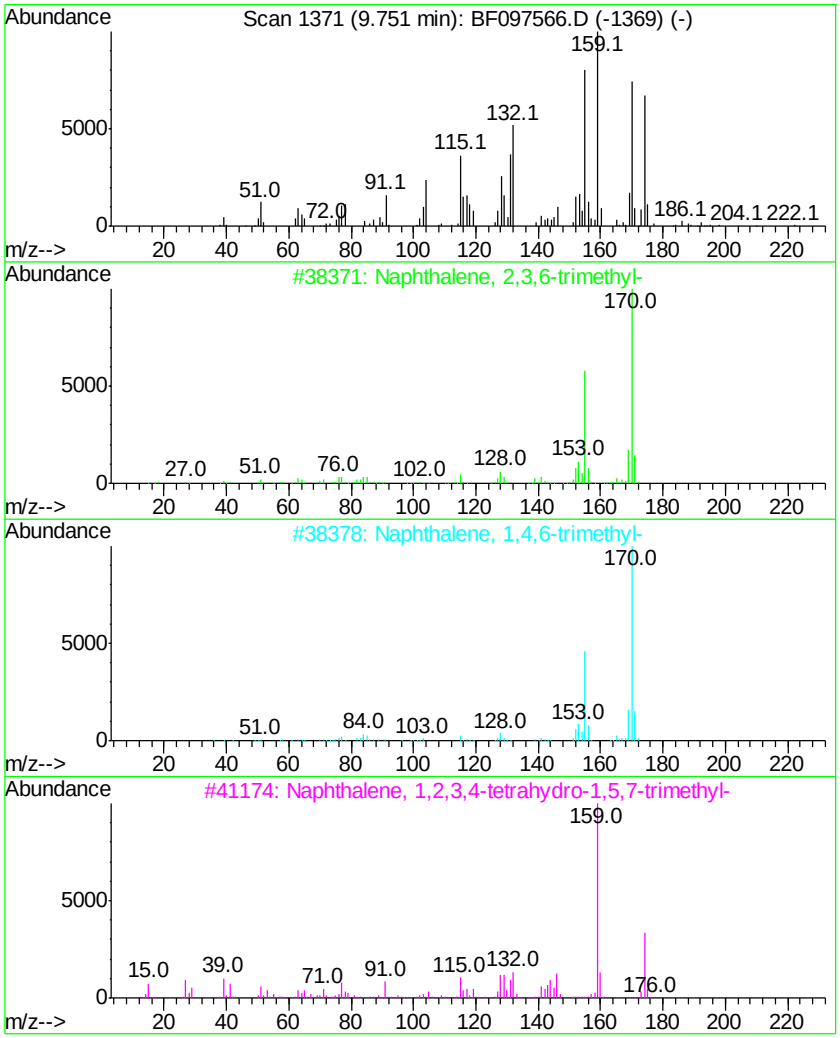
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

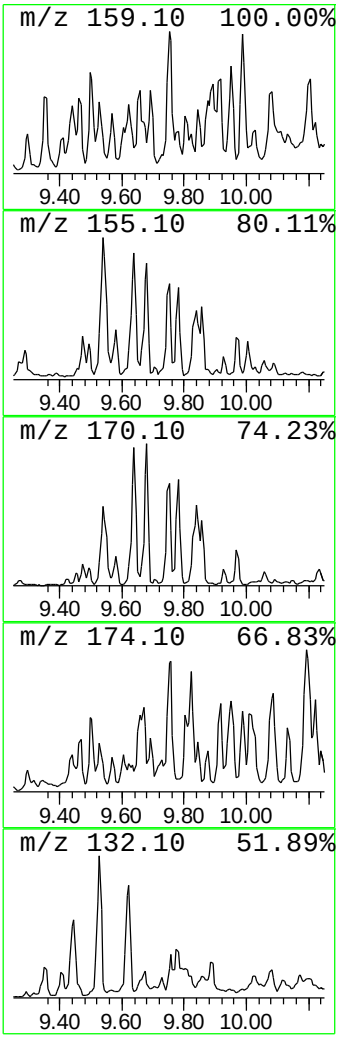
****

Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	15.75 ng	437031	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	56
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	56
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

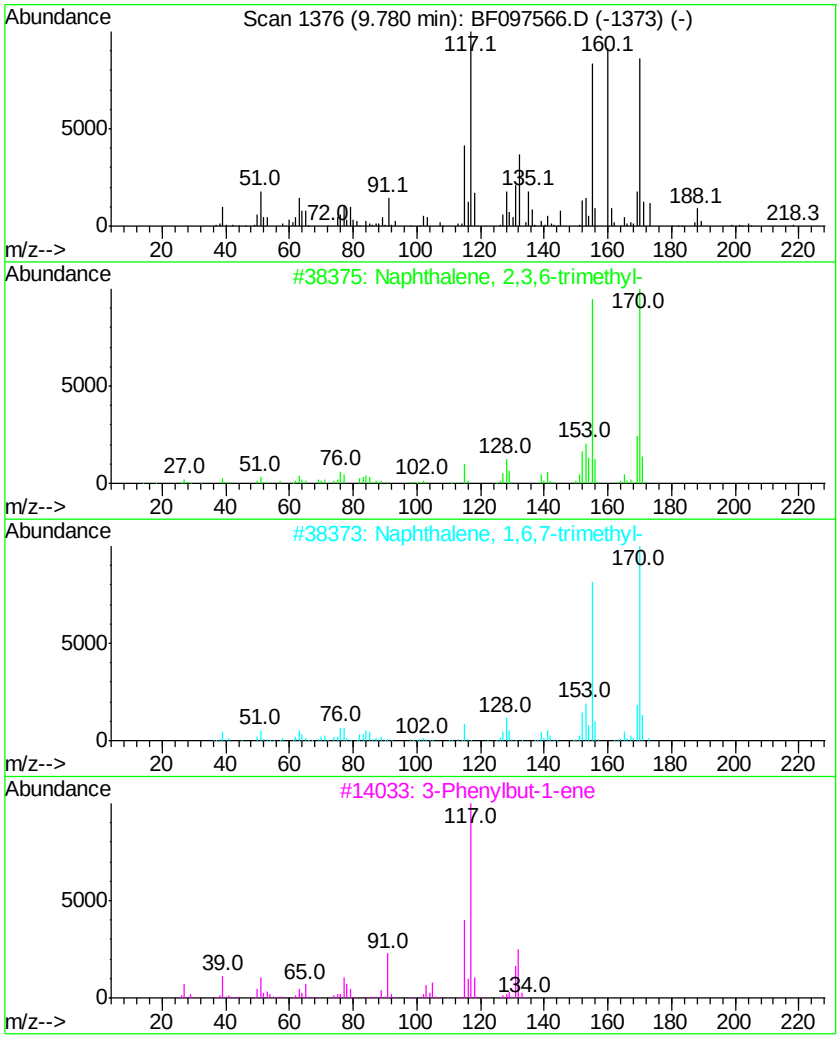
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

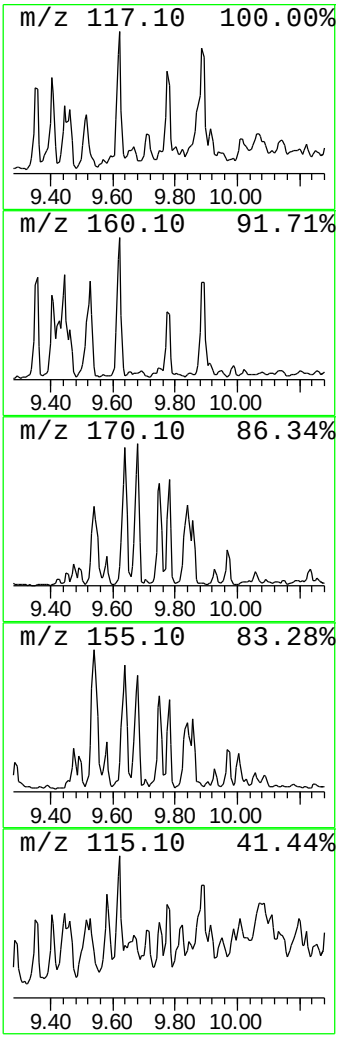
****

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	25.16 ng	698073	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	56
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	52
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	38
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	38
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

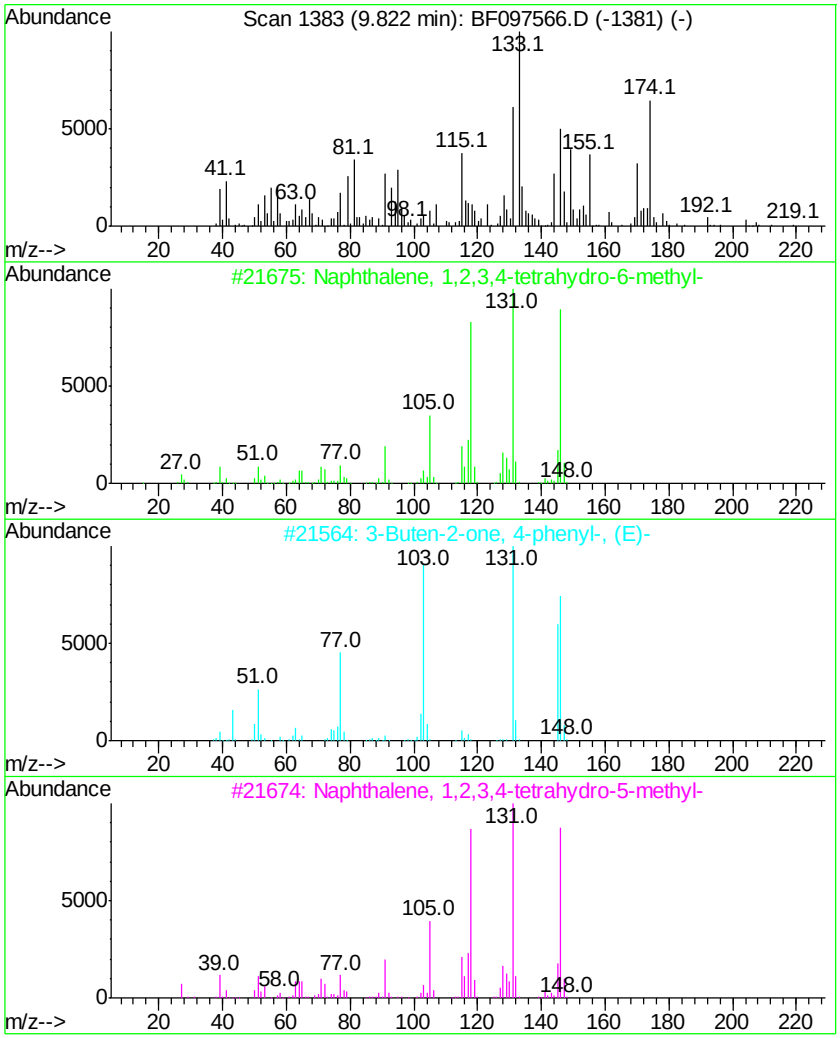
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

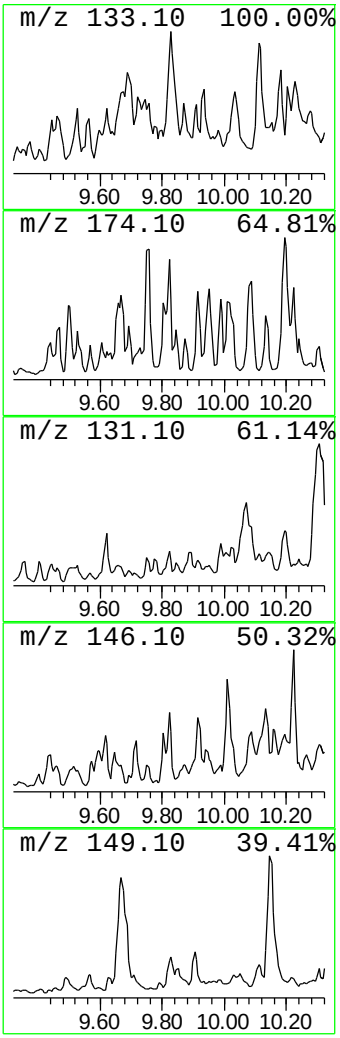
****

Peak Number 16 unknown9.82 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	19.75 ng	547927	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	15
2	3-Buten-2-one, 4-phenyl-, (E)-	146	C10H10O	001896-62-4	11
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	11
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	11
5	3-Amino-6-methoxyquinoline	174	C10H10N2O	029507-86-6	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

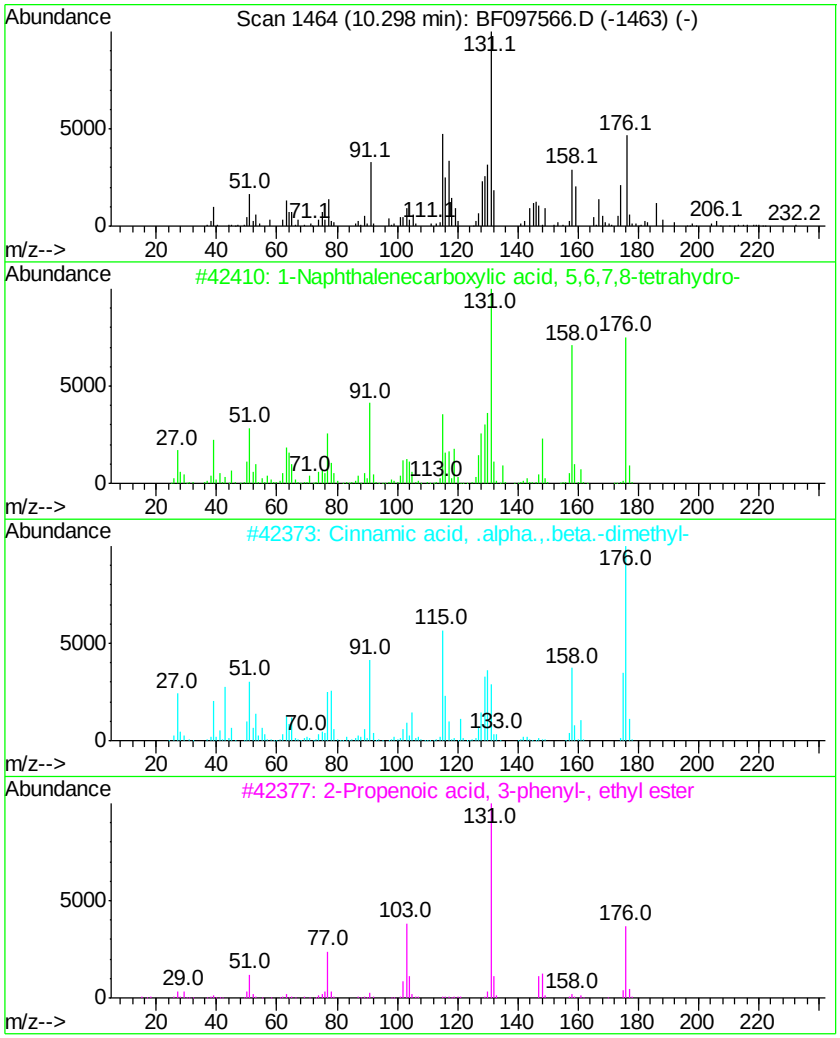
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

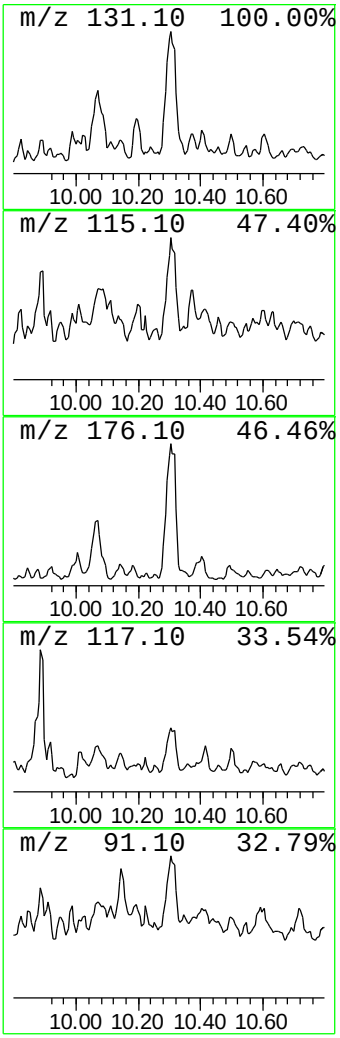
****

Peak Number 17 1-Naphthalenecarboxylic aci... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	15.34 ng	1146130	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	64
2	Cinnamic acid, .alpha.,.beta.-di...	176	C11H12O2	1000151-56-4	35
3	2-Propenoic acid, 3-phenyl-, eth...	176	C11H12O2	000103-36-6	22
4	2-Propenoic acid, 3-phenyl-, eth...	176	C11H12O2	004192-77-2	22
5	Benzoimidazol-1-yl-acetic acid	176	C9H8N2O2	1000317-79-2	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

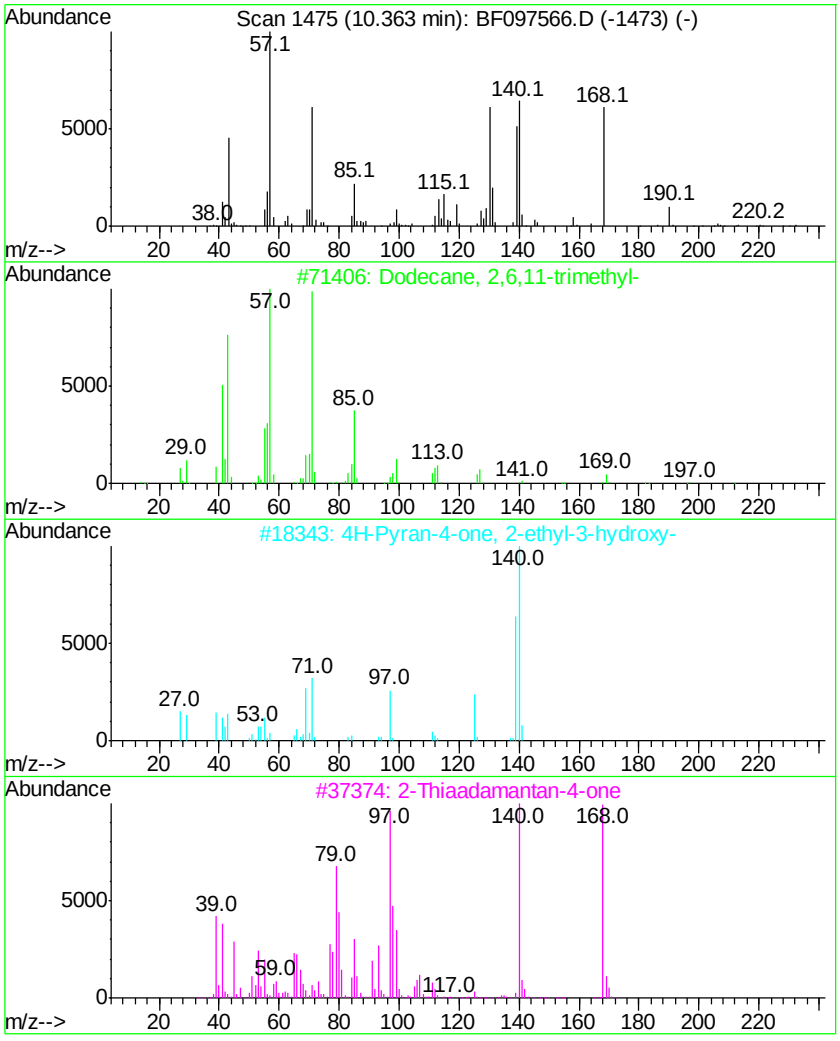
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

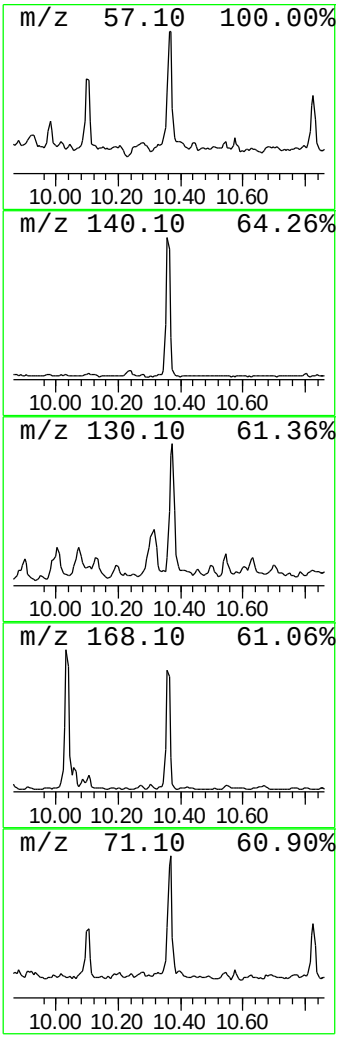
****

Peak Number 18 unknown10.36 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	12.73 ng	951209	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	25
2	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	22
3	2-Thiaadamantan-4-one	168	C9H12OS	036223-95-7	22
4	2-Amino-5,6-dihydro-4H-cyclopent...	140	C6H8N2S	053051-97-1	14
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

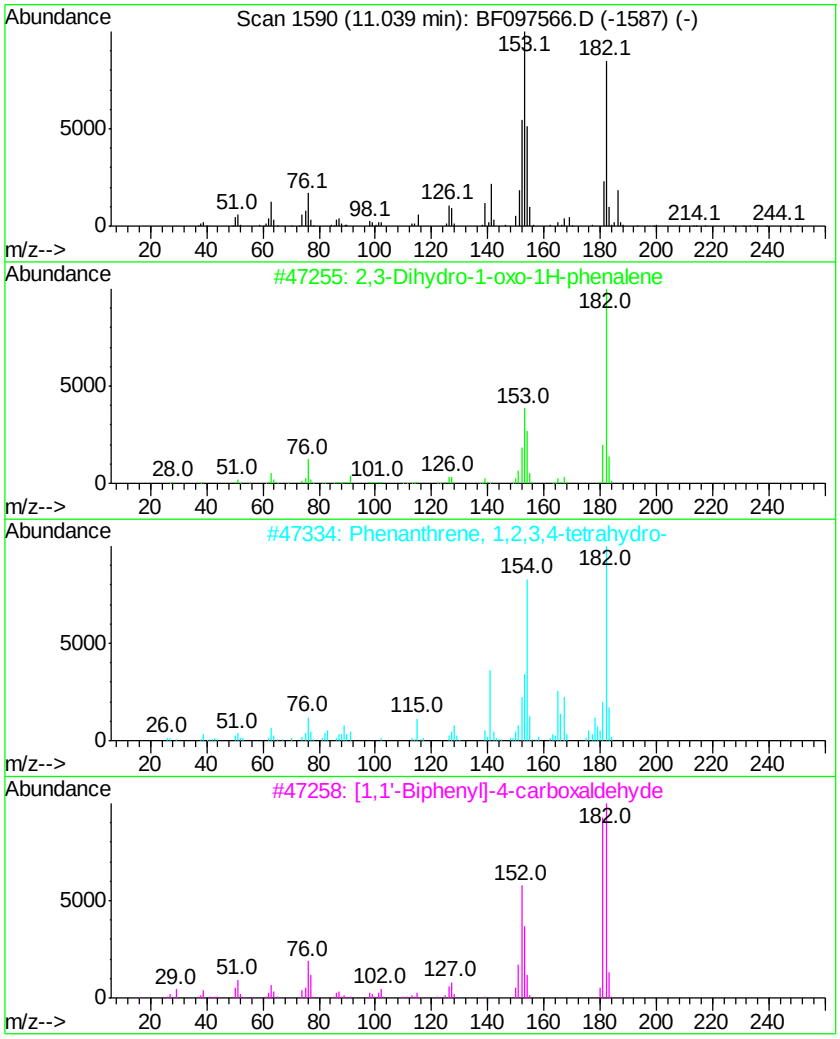
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

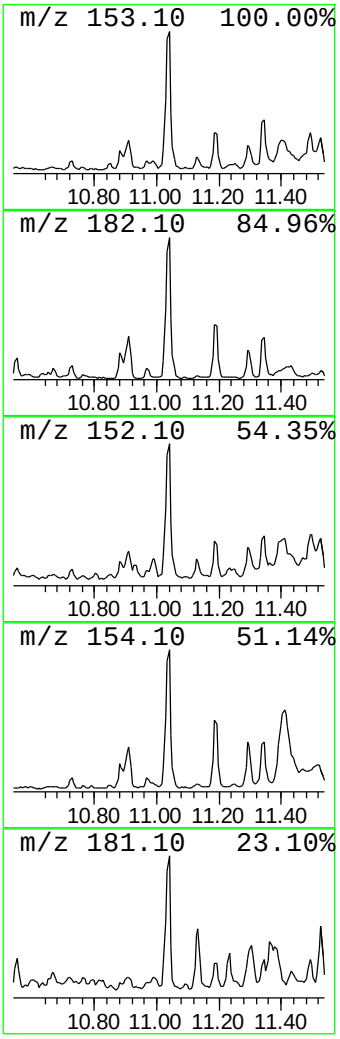
****

Peak Number 19 2,3-Dihydro-1-oxo-1H-phenalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	20.00 ng	1494100	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	91
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	52
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	45
4	9-Borabicyclo[3.3.1]nonane, 9-et...	182	C10H19BS	1000155-58-6	38
5	7-Chloro-3,4-dihydro-2[1H]-quino...	182	C8H7ClN2O	066367-05-3	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

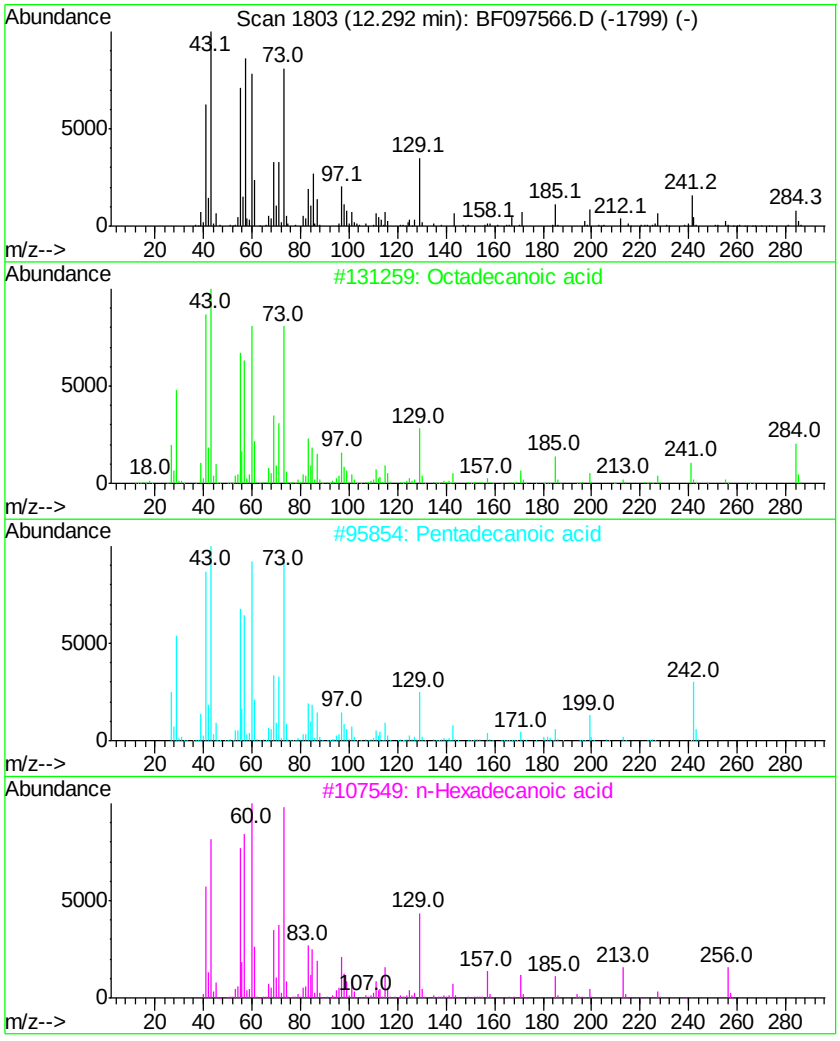
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

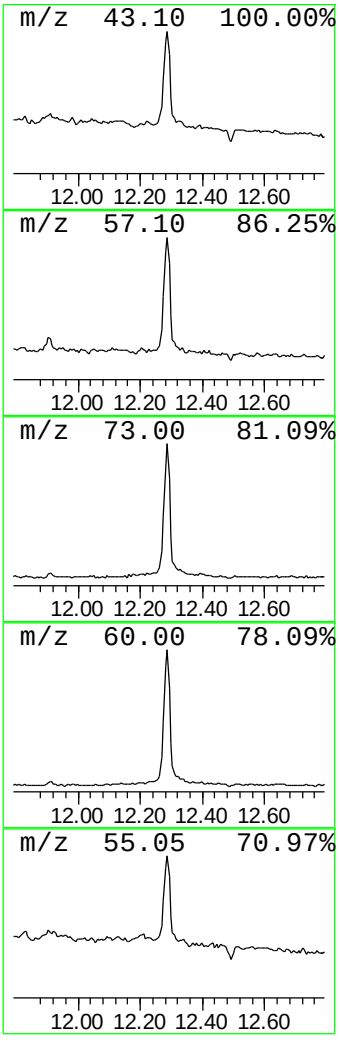
****

Peak Number 20 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	37.14 ng	887836	Chrysene-d12	13.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081017\
Data File : BF097566.D
Acq On : 10 Aug 2017 19:04
Operator : SJ/JU
Sample : I4631-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DAY-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.17	6.17	60.4	ng	2522300	1	6.39	835183	20.0
unknown7.42	7.42	20.6	ng	1181660	2	7.67	1146730	20.0
unknown7.92	7.92	18.1	ng	1035440	2	7.67	1146730	20.0
unknown8.20	8.20	34.3	ng	1965150	2	7.67	1146730	20.0
unknown8.37	8.37	19.7	ng	1131480	2	7.67	1146730	20.0
unknown8.57	8.57	30.4	ng	843057	3	9.42	554873	20.0
7-Methylindan-1-one	8.69	32.6	ng	905434	3	9.42	554873	20.0
unknown8.89	8.89	34.0	ng	941980	3	9.42	554873	20.0
(Z)-1-Phenylpropene	8.94	21.4	ng	592360	3	9.42	554873	20.0
Naphthalene, 1,6-...	9.02	59.9	ng	1662070	3	9.42	554873	20.0
Naphthalene, 1,7-...	9.09	59.1	ng	1638650	3	9.42	554873	20.0
Naphthalene, 1-et...	9.29	25.4	ng	704969	3	9.42	554873	20.0
Benzene, 2-butenyl-	9.35	30.8	ng	854565	3	9.42	554873	20.0
Naphthalene, 2,3,...	9.75	15.8	ng	437031	3	9.42	554873	20.0
Naphthalene, 1,6,...	9.78	25.2	ng	698073	3	9.42	554873	20.0
unknown9.82	9.82	19.8	ng	547927	3	9.42	554873	20.0
1-Naphthalenecarb...	10.30	15.3	ng	1146130	4	10.91	1494100	20.0
unknown10.36	10.36	12.7	ng	951209	4	10.91	1494100	20.0
2,3-Dihydro-1-oxo...	11.04	20.0	ng	1494100	4	10.91	1494100	20.0
Octadecanoic acid	12.29	37.1	ng	887836	5	13.54	478042	20.0