LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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	5.057	531	539	546	rVB	1439424	1956898	8.38%	1.292%
2	5.240	565	570	577	rBV	877756	1696219	7.26%	1.120%
3	5.316	577	583	584	rVV	2232560	2944239	12.61%	1.943%
4	5.340	584	587	588	rVV	3419420	4439769	19.01%	2.931%
5	5.381	588	594	597	rVV	5373699	12793371	54.78%	8.445%
6	6.022	696	703	705	rBV	528347	560959	2.40%	0.370%
7	6.051	705	708	713	rVV	812941	846304	3.62%	0.559%
8	6.098	713	716	720	rVB	1087808	1027468	4.40%	0.678%
9	6.181	728	730	734	rVB	930897	964718	4.13%	0.637%
10	6.275	742	746	750	rBV	2298608	2524524	10.81%	1.666%
11	6.328	750	755	759	rBV	2981406	3335035	14.28%	2.201%
12	6.498	781	784	788	rBV	1037677	969100	4.15%	0.640%
13	6.563	788	795	798	rVV	1979370	2205581	9.44%	1.456%
14	6.604	798	802	806	rVB2	627420	710488	3.04%	0.469%
15	6.657	806	811	813	rBV2	2543688	3123290	13.37%	2.062%
16	6.681	813	815	819	rVB	2044300	1864272	7.98%	1.231%
17	6.763	824	829	832	rBV	3218041	3338668	14.30%	2.204%
18	6.834	837	841	845	rBV2	462861	529362	2.27%	0.349%
19	6.916	850	855	859	rBV	519567	581432	2.49%	0.384%
20	6.975	859	865	867	rBV2	268411	310911	1.33%	0.205%
21	7.069	872	881	889	rVB3	1899025	3494062	14.96%	2.306%
22	7.157	889	896	899	rBV5	139175	254402	1.09%	0.168%
23	7.210	899	905	908	rBV2	213540	359349	1.54%	0.237%
24	7.281	912	917	919	rBV	476555	474111	2.03%	0.313%
25	7.310	919	922	925	rVB	890143	832145	3.56%	0.549%
26	7.363	925	931	933	rBV4	177105	300774	1.29%	0.199%
27	7.416	936	940	944	rVB2	210690	307031	1.31%	0.203%
28	7.463	944	948	950	rBV	420264	477894	2.05%	0.315%
29	7.534	956	960	964	rBV2	1509853	1993446	8.54%	1.316%
30	7.581	964	968	972	rVV	1710746	2360644	10.11%	1.558%
31	7.616	972	974	978	rVV3	401001	452694	1.94%	0.299%
32	7.698	986	988	991	rVB	583003	482388	2.07%	0.318%
33	7.734	991	994	996	rBV	549214	476922	2.04%	0.315%
34	7.851	997	1014	1016	rVV2	5993102	23353398	100.00%	15.415%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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	7.875	1016	1018	1021	rVB	2809809	1996771	8.55%	1.318%
36	8.063	1043	1050	1052	rVV3	335849	611484	2.62%	0.404%
37	8.163	1061	1067	1072	rBV3	442922	645780	2.77%	0.426%
38	8.234	1072	1079	1080	rVV3	318944	544008	2.33%	0.359%
39	8.251	1080	1082	1084	rVV3	535306	606953	2.60%	0.401%
40	8.275	1084	1086	1088	rVV2	558790	658160	2.82%	0.434%
41	8.304	1089	1091	1093	rVV	561766	680202	2.91%	0.449%
42	8.328	1093	1095	1098	rVV	766627	669834	2.87%	0.442%
43	8.386	1102	1105	1108	rVB2	617130	645617	2.76%	0.426%
44	8.451	1111	1116	1119	rVV2	570049	685588	2.94%	0.453%
45	8.516	1119	1127	1129	rVV	4887066	8398552	35.96%	5.544%
46	8.539	1129	1131	1135	rVV3	307165	477505	2.04%	0.315%
47	8.610	1135	1143	1146	rVB2	4607237	8487112	36.34%	5.602%
48	8.669	1146	1153	1155	rBV4	369865	570806	2.44%	0.377%
49	8.751	1155	1167	1169	rVV3	730904	2383253	10.21%	1.573%
50	8.775	1169	1171	1175	rVV2	1144401	1442418	6.18%	0.952%
51	8.863	1178	1186	1189	rVV2	2899465	4593947	19.67%	3.032%
52	8.898	1189	1192	1197	rVB5	178785	238835	1.02%	0.158%
53	8.963	1197	1203	1207	rBV6	666767	1027636	4.40%	0.678%
54	9.004	1207	1210	1211	rVV3	222229	250691	1.07%	0.165%
55	9.028	1211	1214	1216	rVV	922262	1053686	4.51%	0.696%
56	9.063	1216	1220	1223	rVV3	917409	1593858	6.82%	1.052%
57	9.128	1225	1231	1235	rVV4	1153954	2406872	10.31%	1.589%
58	9.192	1237	1242	1245	rVV3	1113423	1594874	6.83%	1.053%
59	9.222	1245	1247	1250	rVV	861290	878817	3.76%	0.580%
60	9.263	1250	1254	1257	rVV3	705123	1090547	4.67%	0.720%
61	9.310	1260	1262	1263	rVV	478575	354472	1.52%	0.234%
62	9.328	1263	1265	1267	rVV2	324677	264664	1.13%	0.175%
63	9.386	1267	1275	1279	rVV3	658637	1537053	6.58%	1.015%
64	9.433	1279	1283	1284	rVV	723293	873216	3.74%	0.576%
65	9.451	1284	1286	1290	rVV2	649464	810162	3.47%	0.535%
66	9.504	1290	1295	1296	rVV2	195180	315417	1.35%	0.208%
67	9.528	1296	1299	1302	rVV	1342774	1283625	5.50%	0.847%
68	9.557	1302	1304	1307	rVV2	391688	365402	1.56%	0.241%
69	9.639	1315	1318	1322	rVV	975708	1085688	4.65%	0.717%
70	9.716	1323	1331	1339	rVV5	552251	1389029	5.95%	0.917%
71	9.781	1339	1342	1345	rVV3	228164	274654	1.18%	0.181%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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	9.839	1349	1352	1353	rVV	442966	425526	1.82%	0.281%
73	9.857	1353	1355	1360	rVV2	457081	482807	2.07%	0.319%
74	9.939	1363	1369	1376	rVV5	373685	823790	3.53%	0.544%
75	10.010	1379	1381	1386	rVV5	165597	304567	1.30%	0.201%
76	10.069	1388	1391	1394	rVB2	425783	445202	1.91%	0.294%
77	10.245	1416	1421	1424	rVB2	346122	445212	1.91%	0.294%
78	10.322	1429	1434	1438	rVB	1568548	1691980	7.25%	1.117%
79	10.445	1452	1455	1459	rBV4	255667	304196	1.30%	0.201%
80	10.504	1459	1465	1468	rVB3	527349	694959	2.98%	0.459%
81	10.586	1472	1479	1484	rBV3	717293	1595837	6.83%	1.053%
82	11.004	1545	1550	1552	rVV	1137049	1045936	4.48%	0.690%
83	11.075	1556	1562	1565	rBV4	258185	558741	2.39%	0.369%
84	11.339	1598	1607	1610	rBV	749143	1270934	5.44%	0.839%
85	11.422	1617	1621	1625	rBV3	164767	296200	1.27%	0.196%
86	11.469	1626	1629	1631	rVV2	432604	409524	1.75%	0.270%
87	11.733	1670	1674	1677	rBV3	251193	380345	1.63%	0.251%
88	11.775	1677	1681	1688	rVB4	681060	1000584	4.28%	0.660%
89	12.074	1729	1732	1736	rVB	371595	349114	1.49%	0.230%
90	12.286	1766	1768	1772	rVB	303858	326060	1.40%	0.215%
91	12.586	1814	1819	1823	rBV	1998305	2201146	9.43%	1.453%
92	13.621	1992	1995	2001	rVB	751168	707454	3.03%	0.467%
93	14.974	2220	2225	2229	rVB	516312	604441	2.59%	0.399%

Sum of corrected areas: 151493611

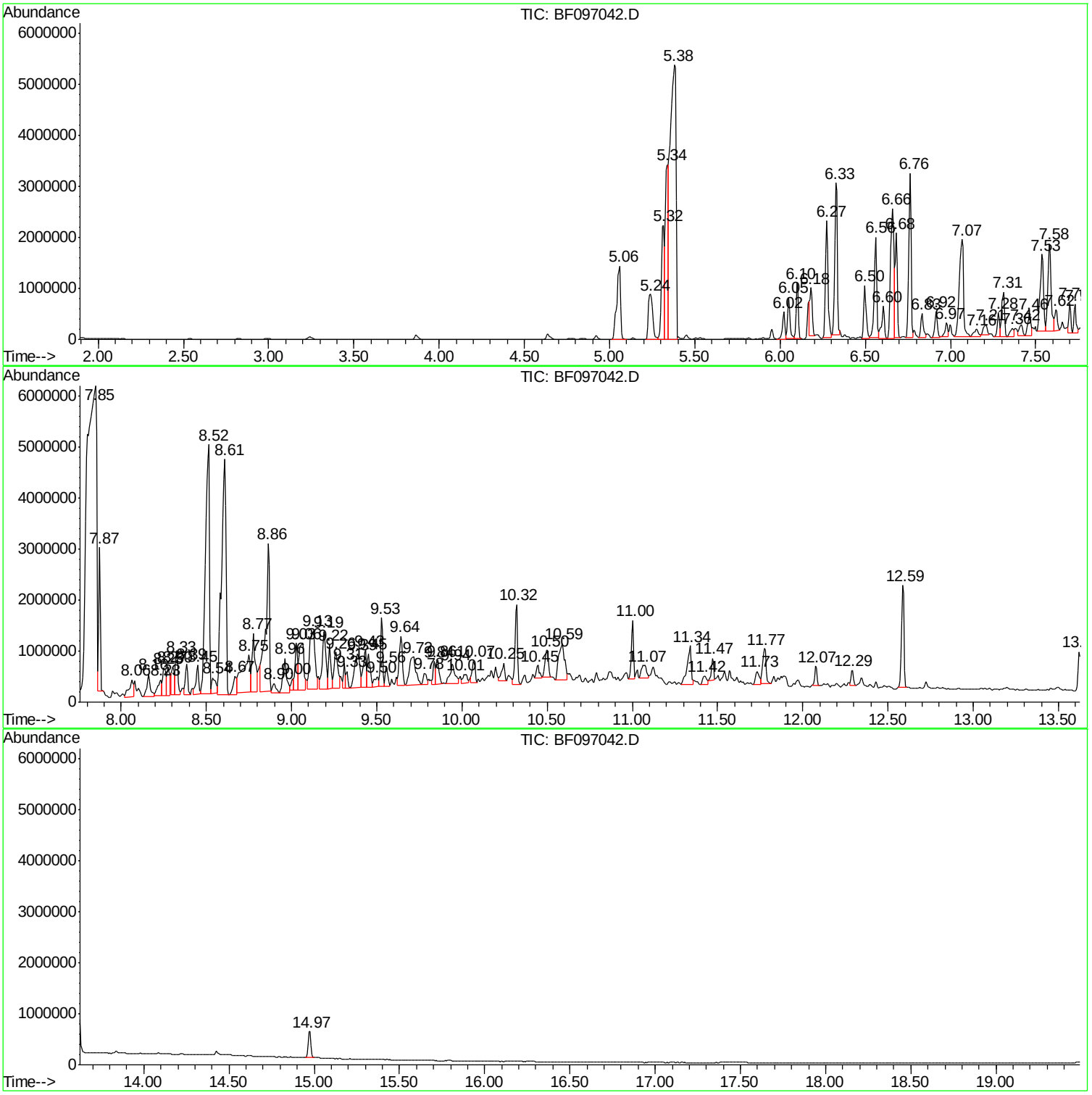
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

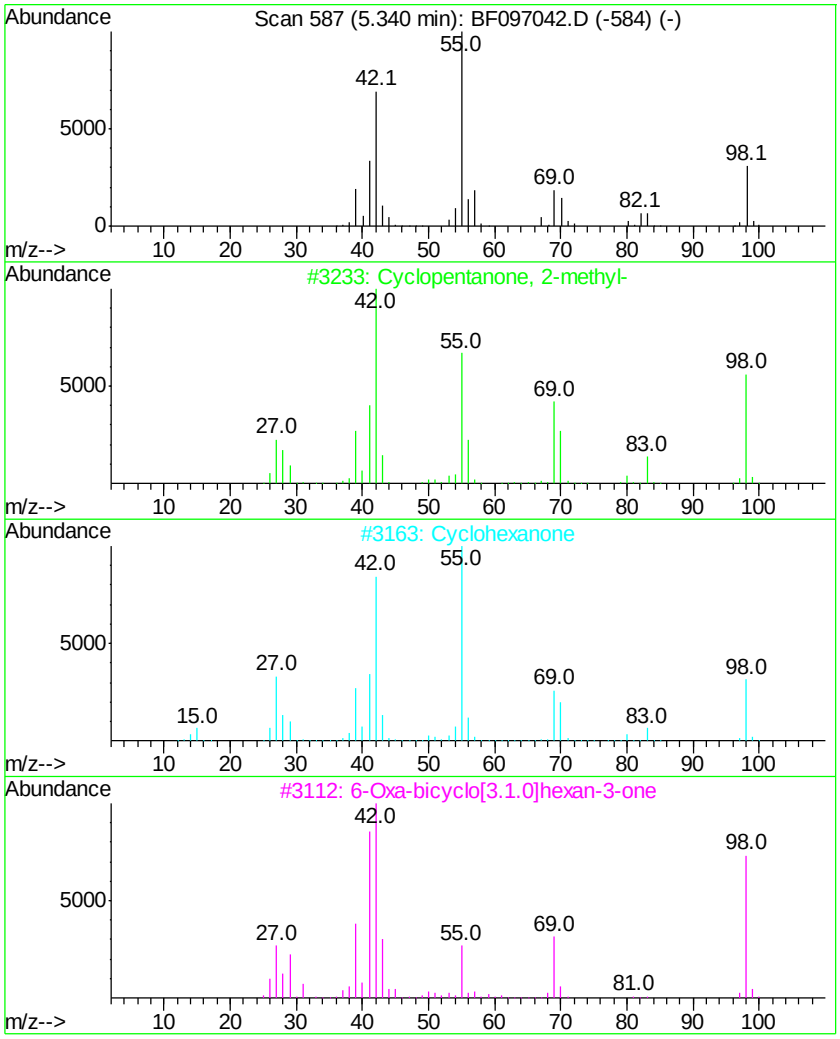
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

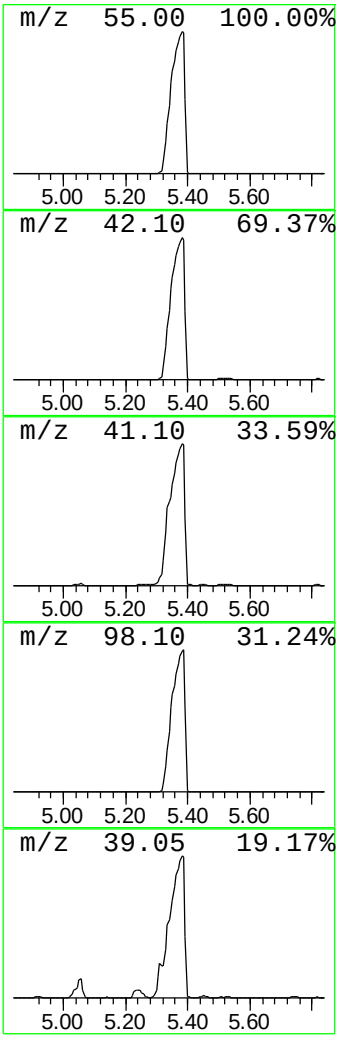
****

Peak Number 3 Cyclopentanone, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.34	91.63 ng	4439770	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	72
2	Cyclohexanone	98	C6H10O	000108-94-1	59
3	6-Oxa-bicyclo[3.1.0]hexan-3-one	98	C5H6O2	074017-10-0	47
4	4,5-Dihydro-2-methylimidazole-4-one	98	C4H6N2O	004915-81-5	42
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

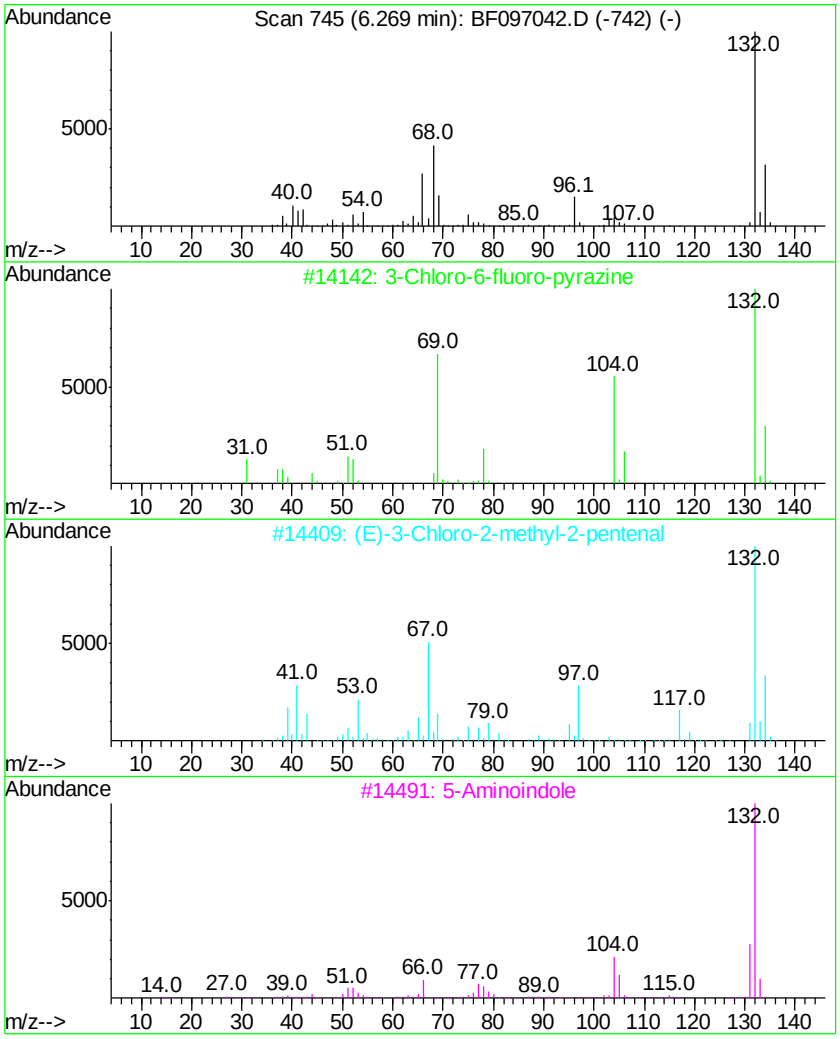
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

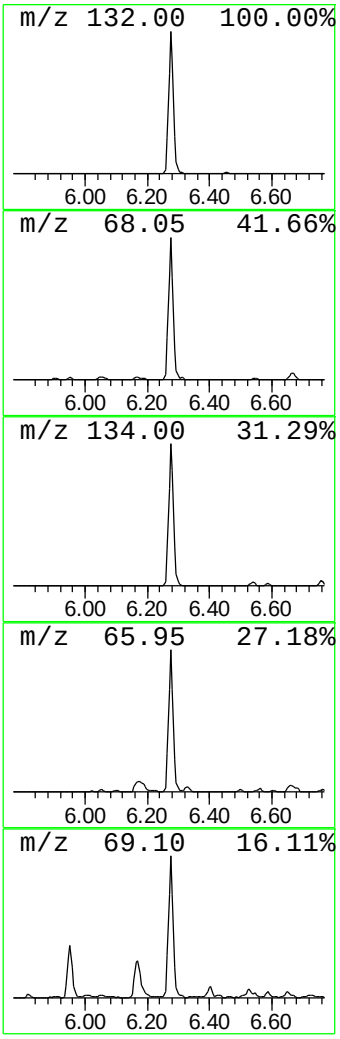
****

Peak Number 5 unknown6.27 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	52.10 ng	2524520	1,4-Dichlorobenzene-d4	6.50

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	16
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\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

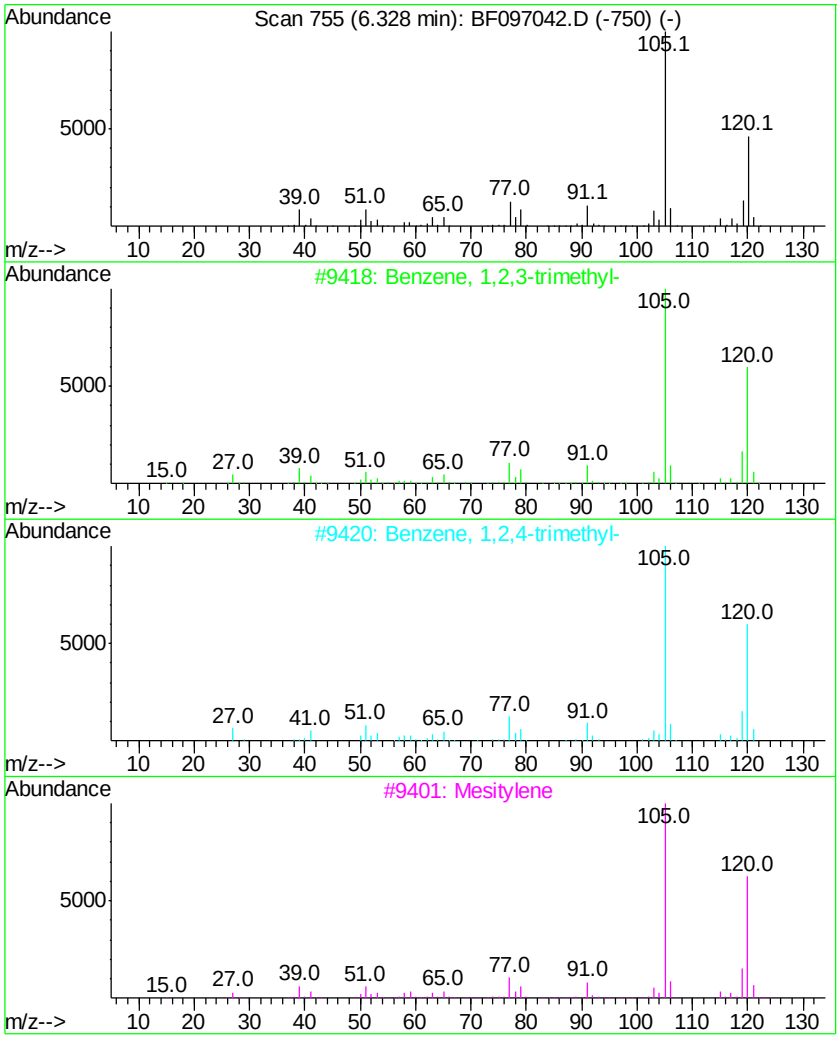
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

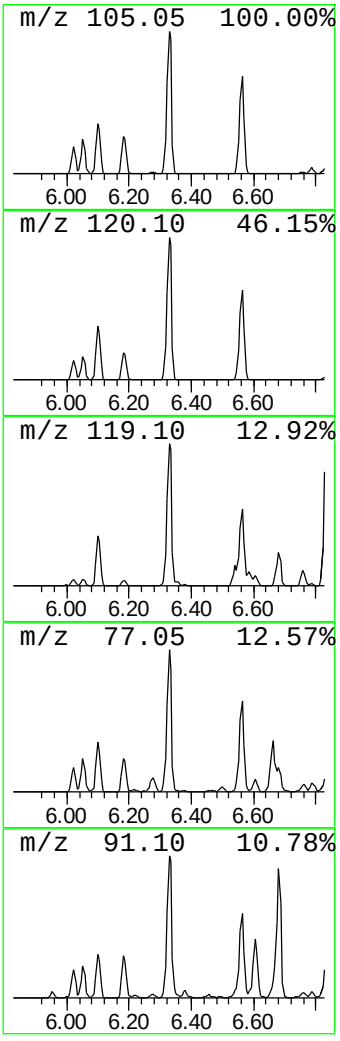
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	68.83 ng	3335040	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

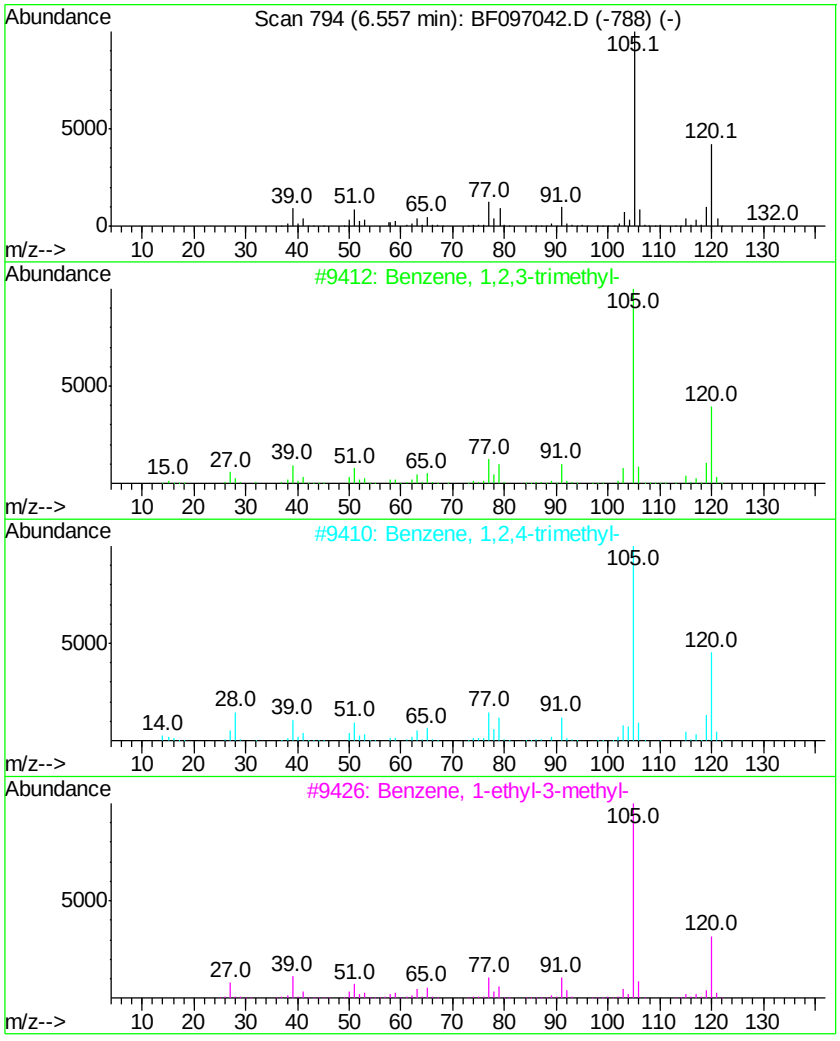
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

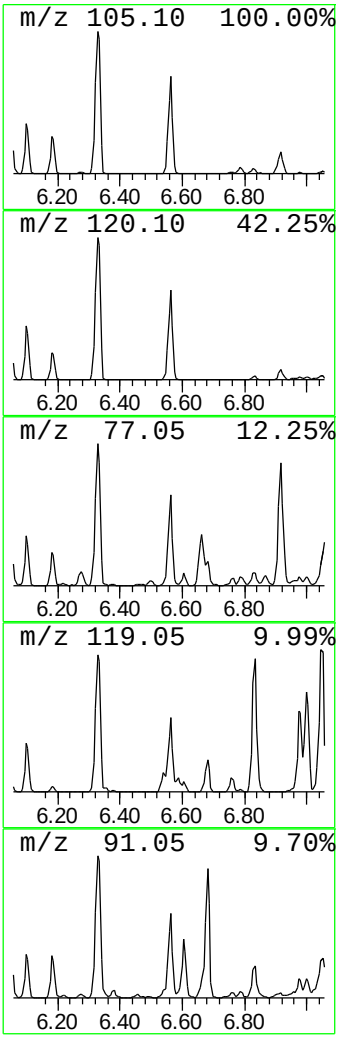
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	45.52 ng	2205580	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

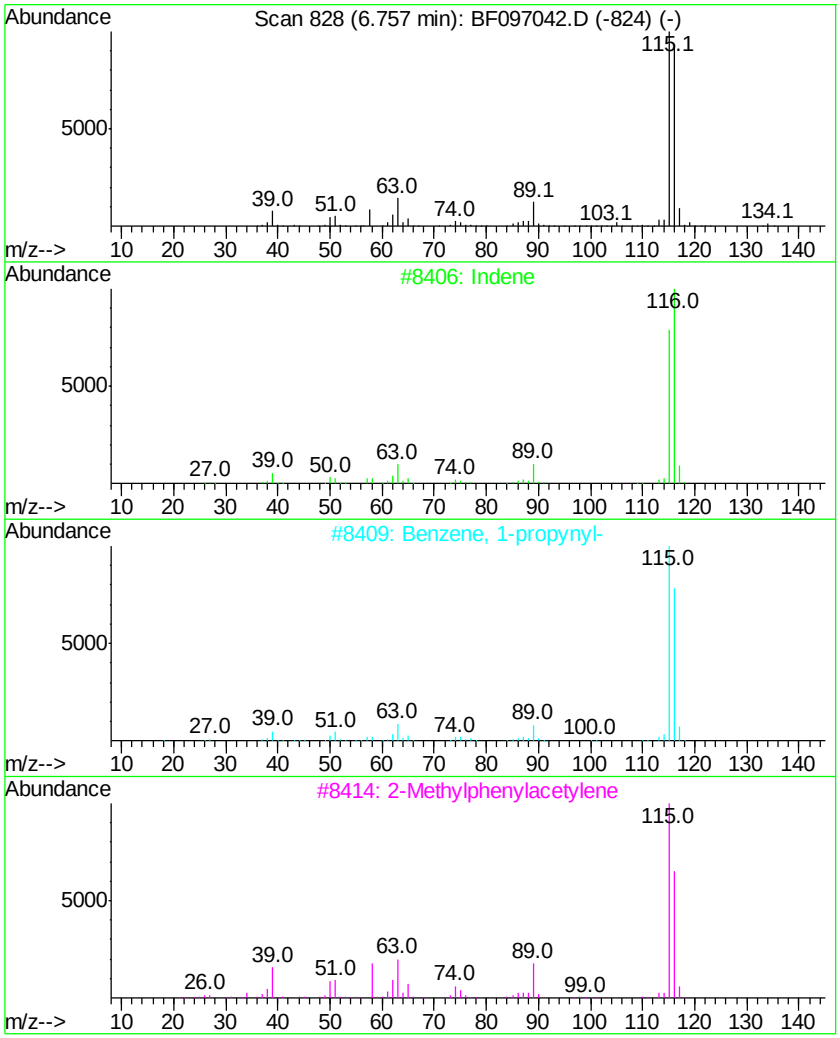
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

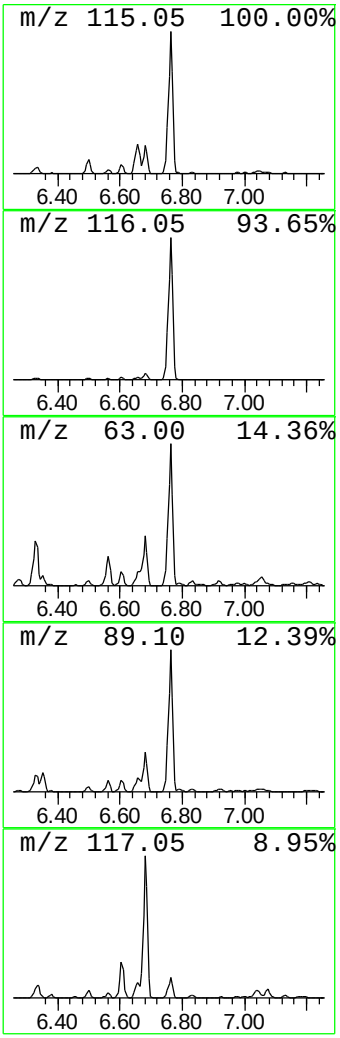
****

Peak Number 8 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	68.90 ng	3338670	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

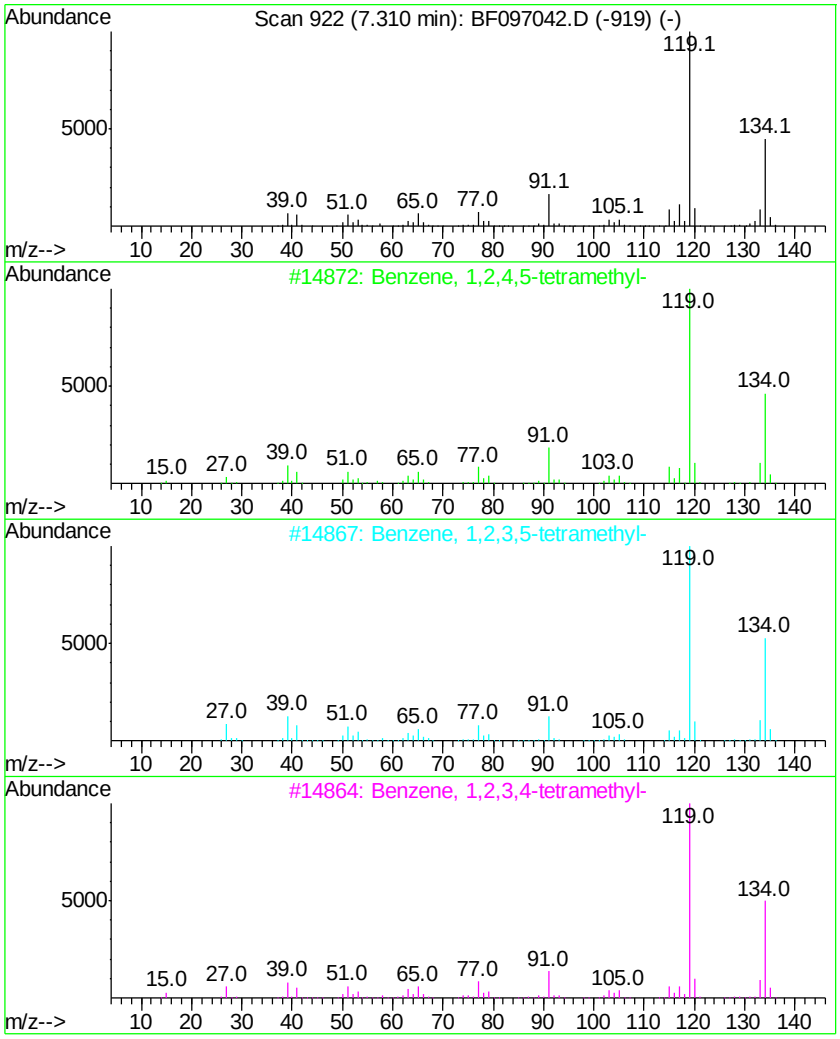
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

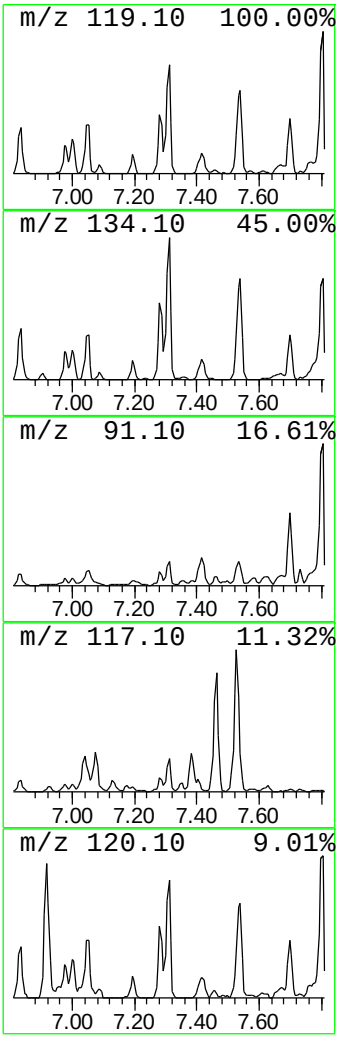
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	34.90 ng	832145	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	p-Cymene	134	C10H14	000099-87-6	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

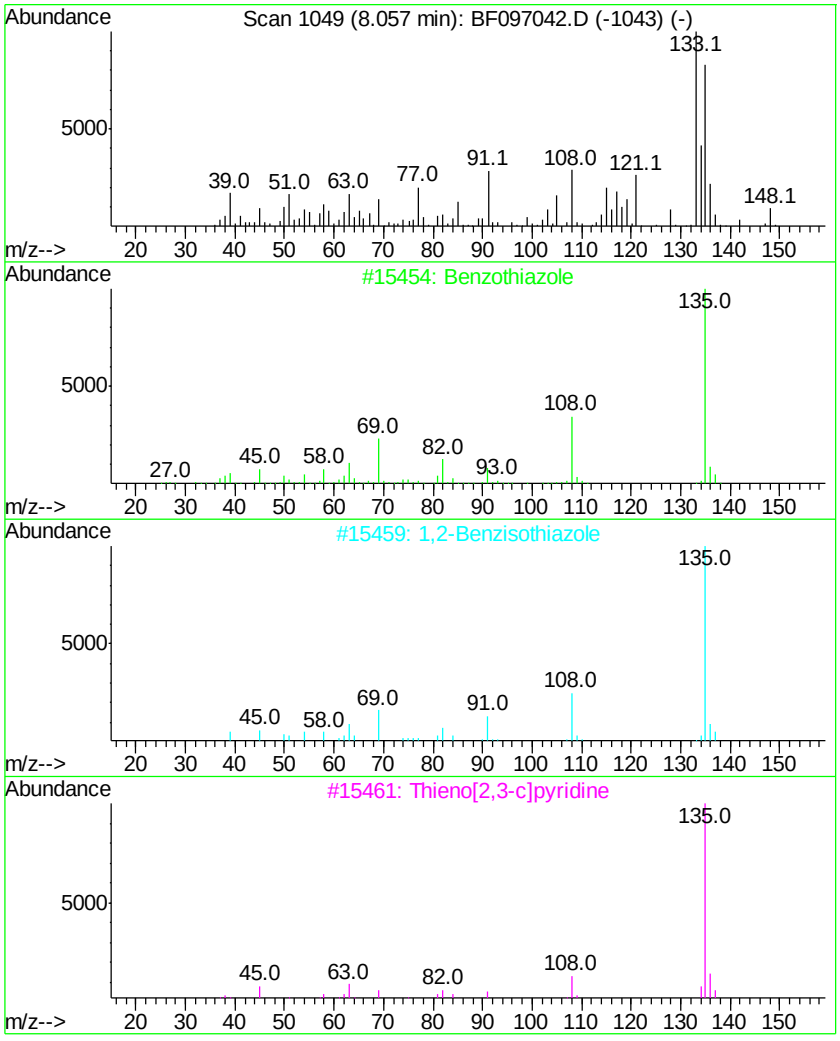
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

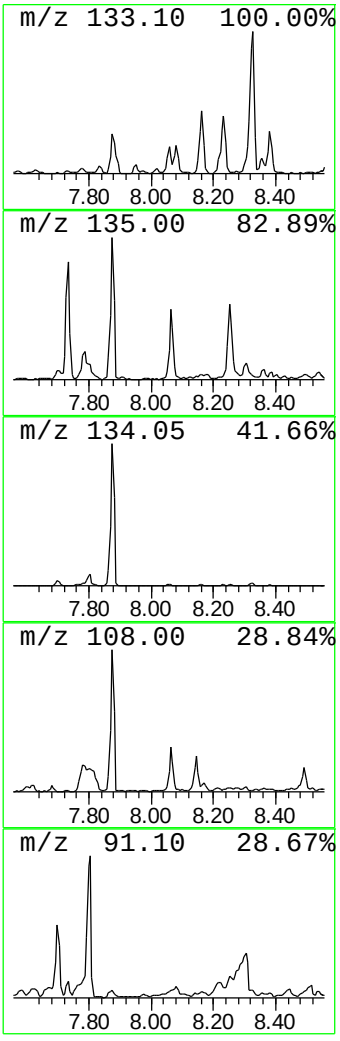
****

Peak Number 10 Benzothiazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	25.64 ng	611484	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiazole	135	C7H5NS	000095-16-9	64
2	1,2-Benzisothiazole	135	C7H5NS	000272-16-2	64
3	Thieno[2,3-c]pyridine	135	C7H5NS	000272-12-8	53
4	1H-Pyrazolo[3,4-d]pyrimidin-4-amine	135	C5H5N5	002380-63-4	52
5	Adenine	135	C5H5N5	000073-24-5	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

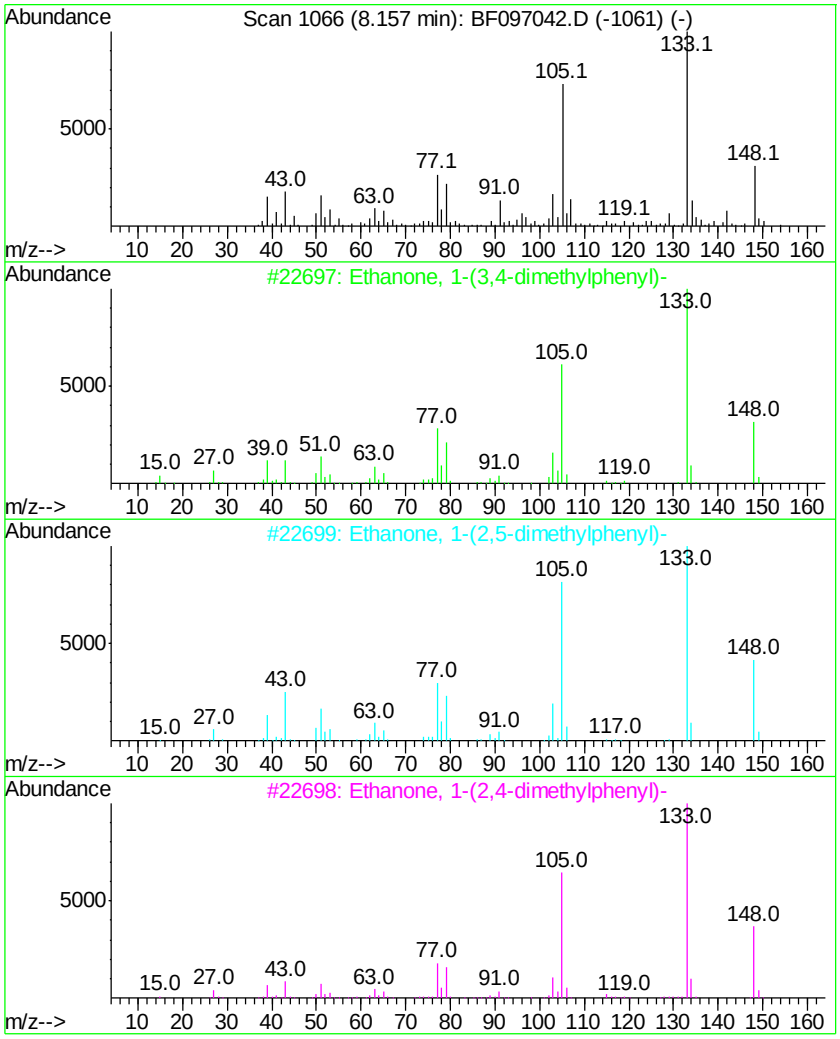
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

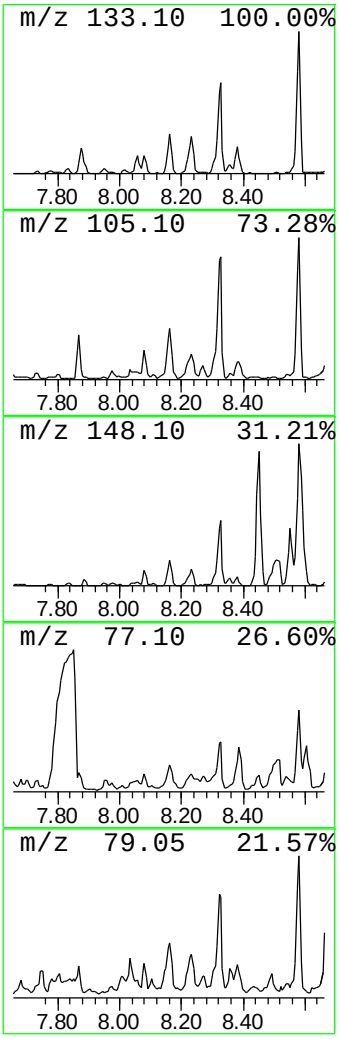
****

Peak Number 11 Ethanone, 1-(3,4-dimethylph... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	27.08 ng	645780	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	96
2	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	96
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	93
4	m-Ethylacetophenone	148	C10H12O	022699-70-3	87
5	1-(2,3-Dimethylphenyl)ethanone	148	C10H12O	002142-71-4	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

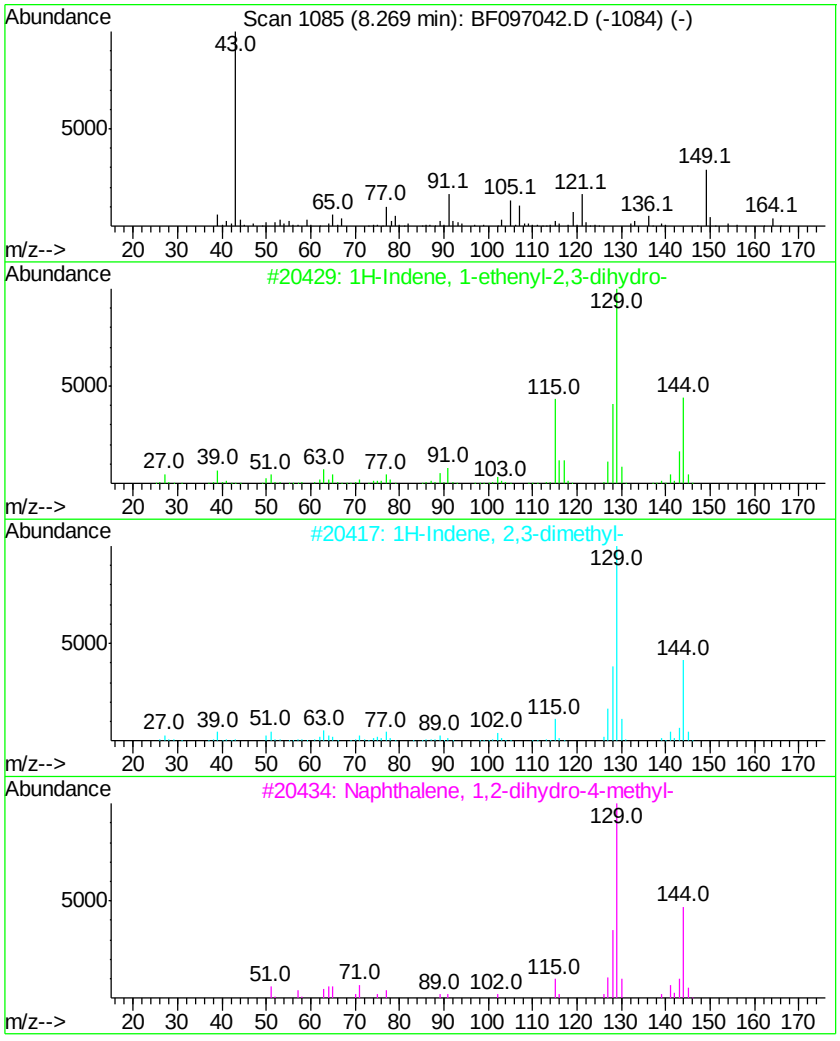
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

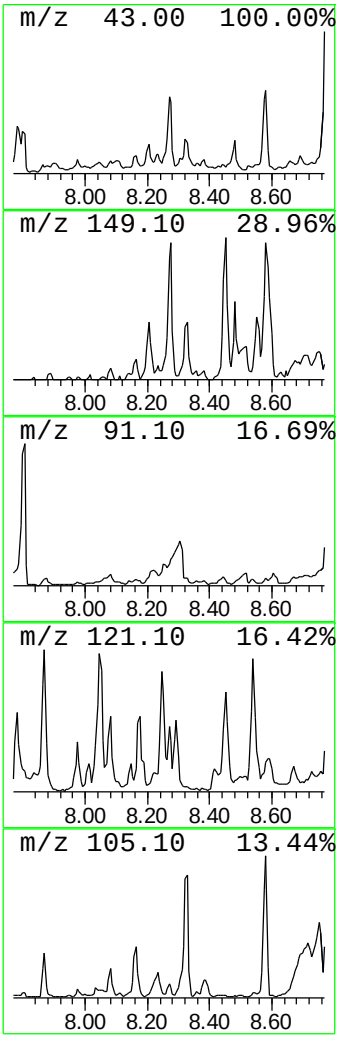
****

Peak Number 12 unknown8.27 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	27.60 ng	658160	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	27
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	25
3	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	25
4	Naphthalene, 1,2-dihydro-2-methyl-	144	C11H12	021564-79-4	25
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

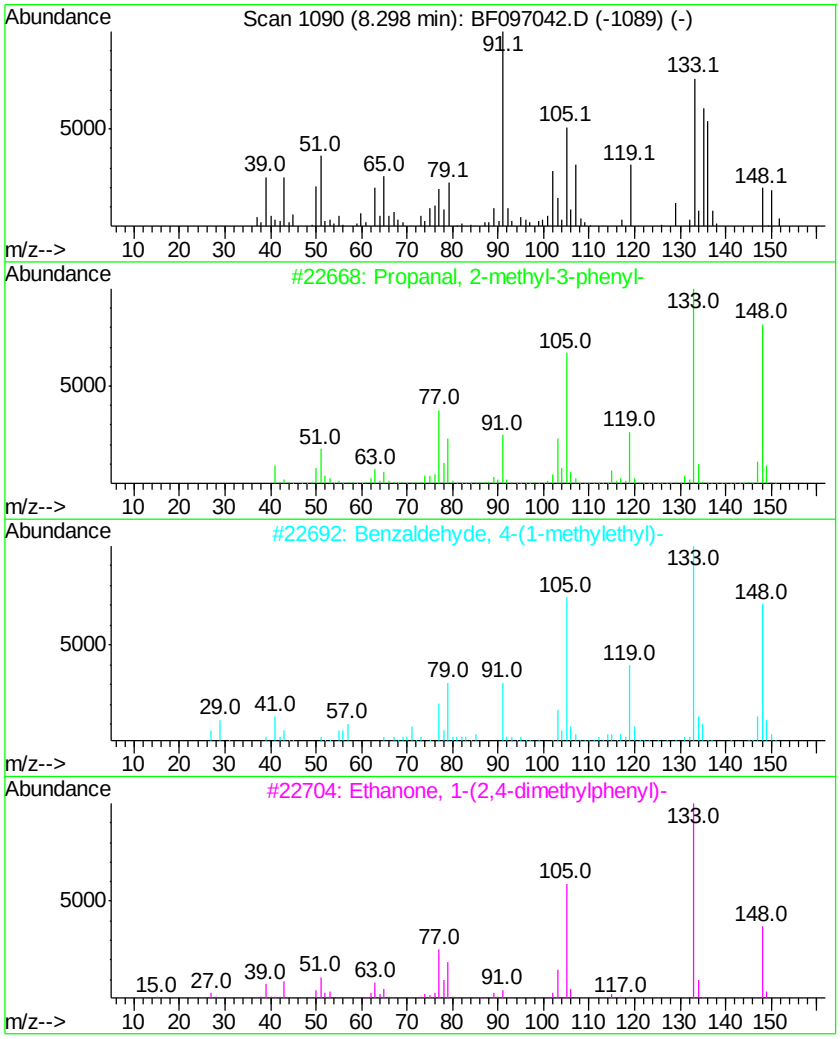
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

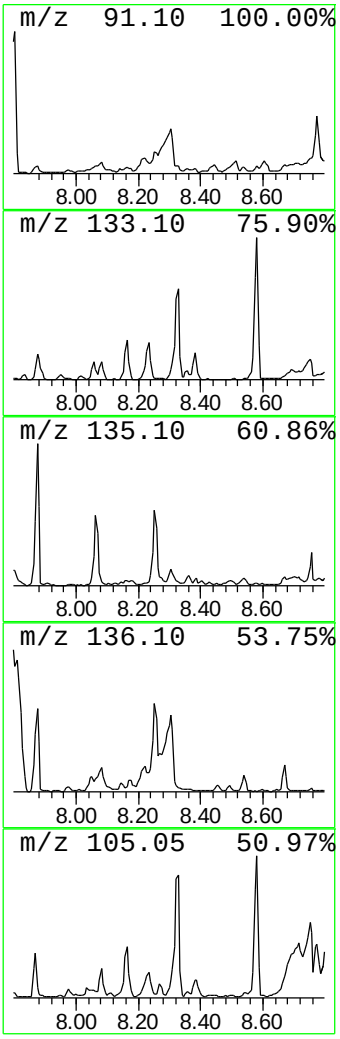
****

Peak Number 13 unknown8.30 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	28.52 ng	680202	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	42
2	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	42
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	38
4	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	30
5	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

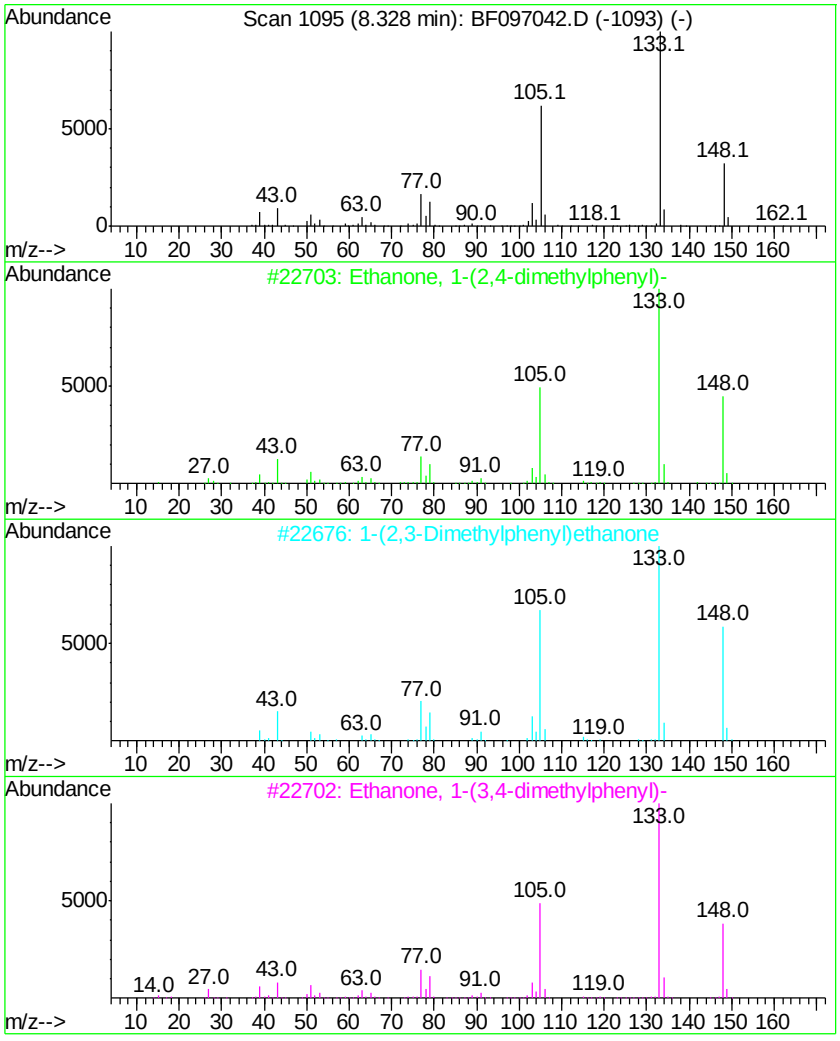
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

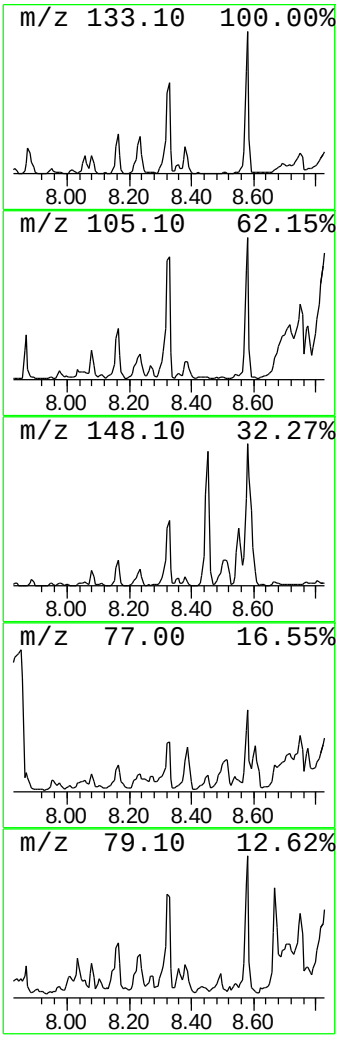
****

Peak Number 14 Ethanone, 1-(2,4-dimethylph... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	28.09 ng	669834	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	95
2	1-(2,3-Dimethylphenyl)ethanone	148	C10H12O	002142-71-4	94
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	91
4	m-Ethylacetophenone	148	C10H12O	022699-70-3	91
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

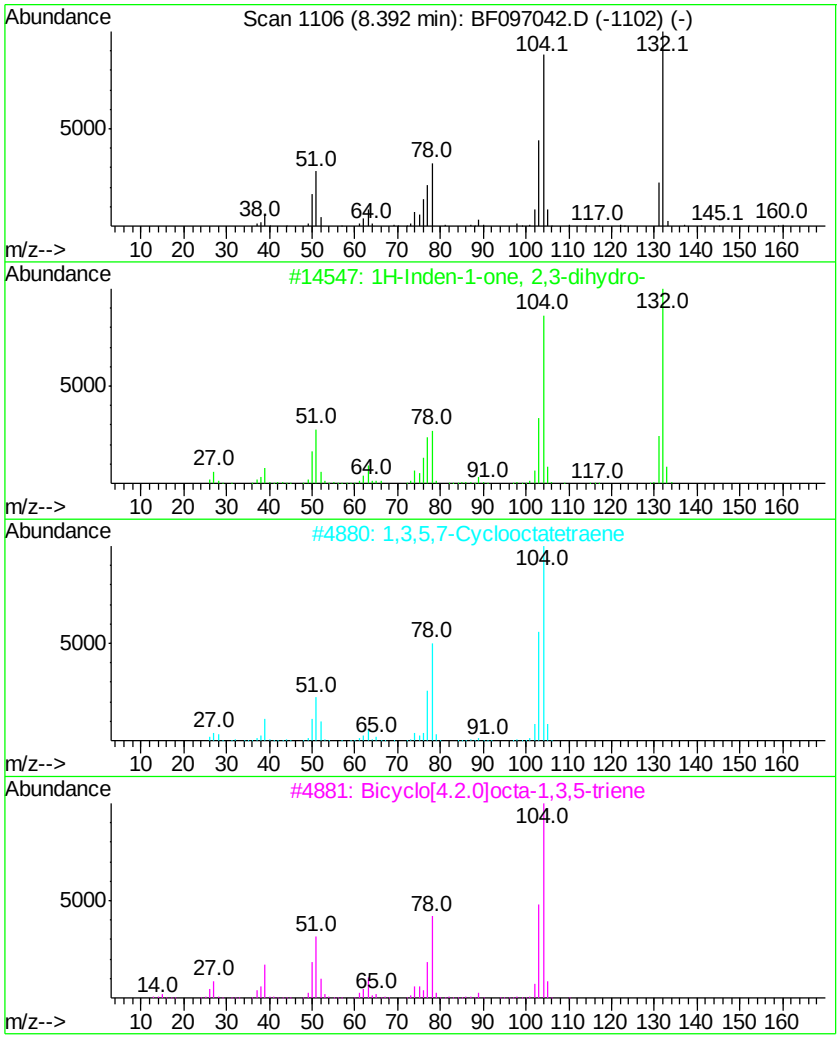
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

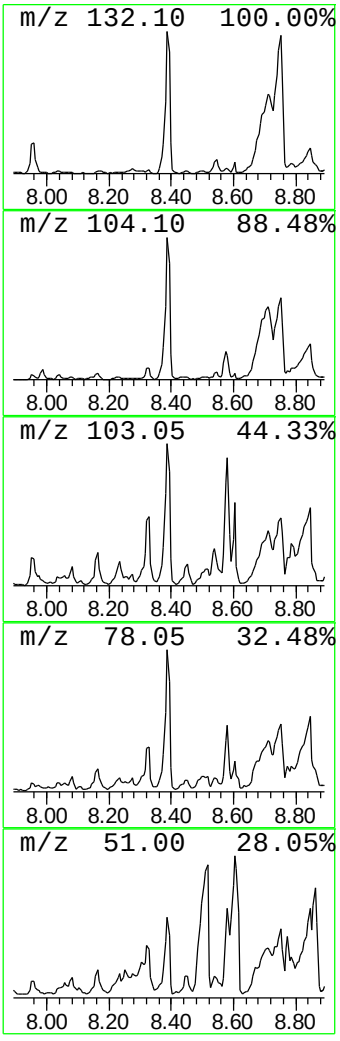
****

Peak Number 15 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	27.07 ng	645617	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	97
2	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	60
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	60
4	Styrene	104	C8H8	000100-42-5	60
5	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

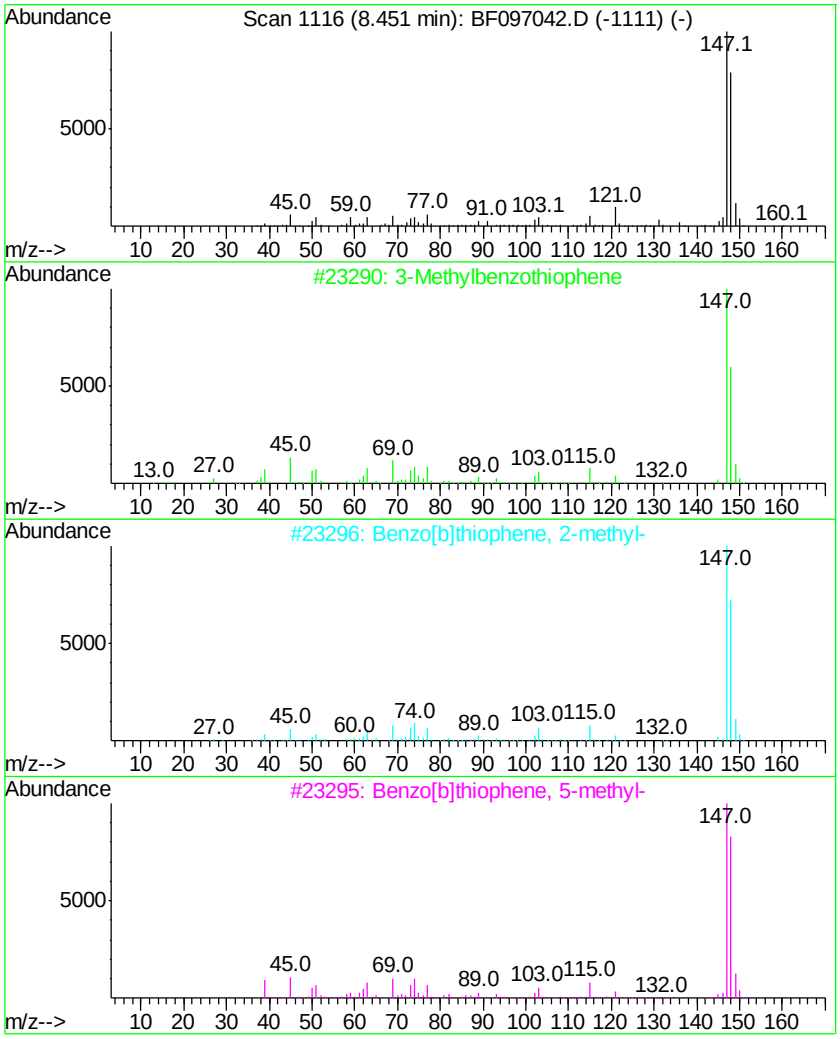
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

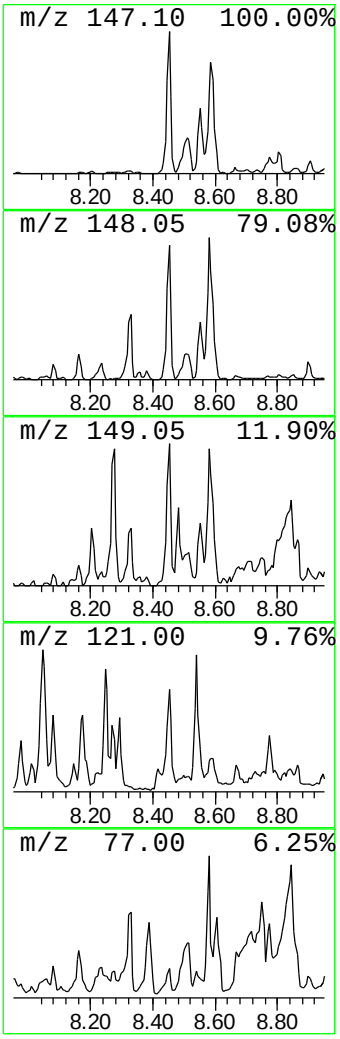
****

Peak Number 16 3-Methylbenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	28.75 ng	685588	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
5	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

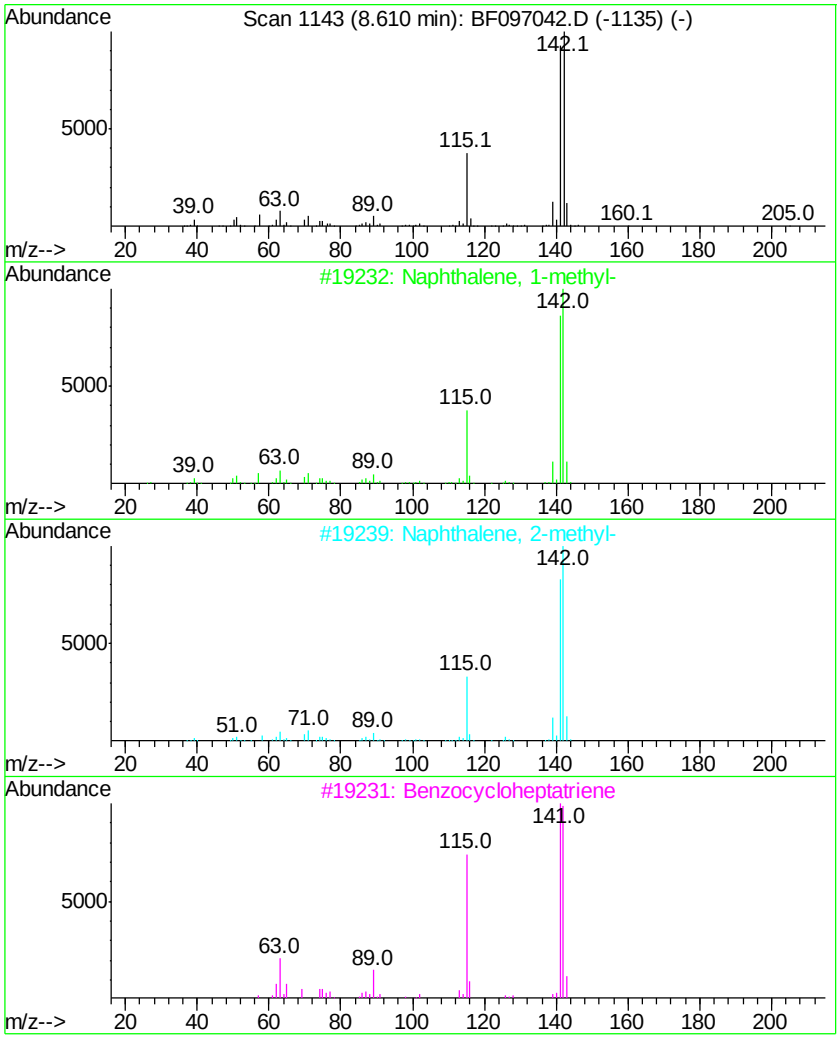
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

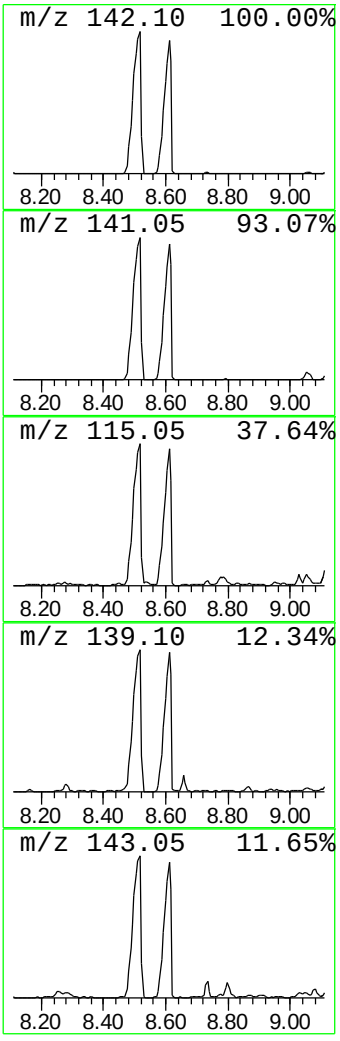
****

Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	355.91 ng	8487110	Naphthalene-d8	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

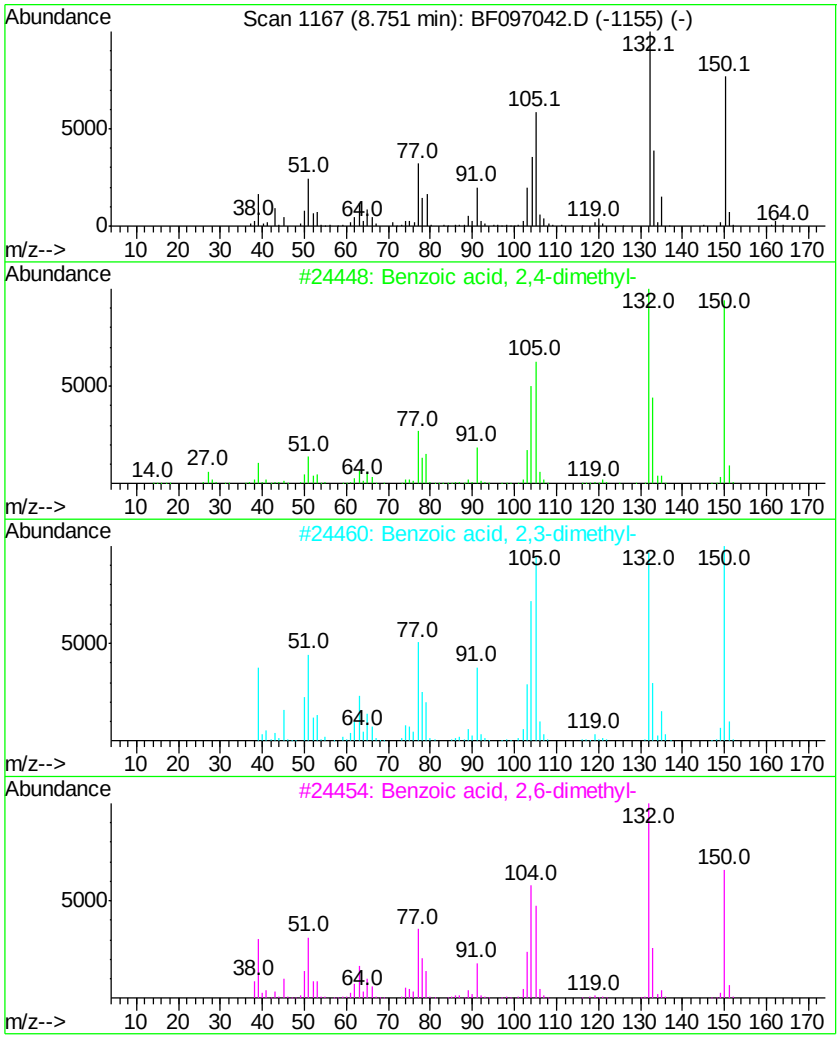
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

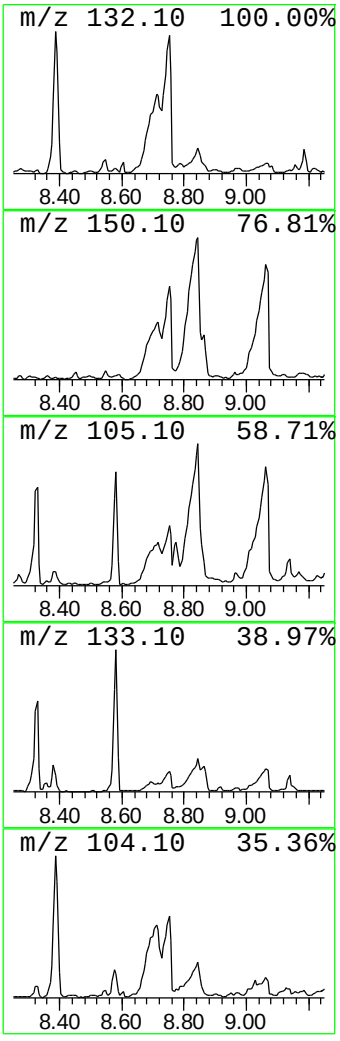
****

Peak Number 18 Benzoic acid, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	37.13 ng	2383250	Acenaphthene-d10	9.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	90
2	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	89
3	Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	72
4	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	58
5	p-Tolylacetic acid	150	C9H10O2	000622-47-9	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

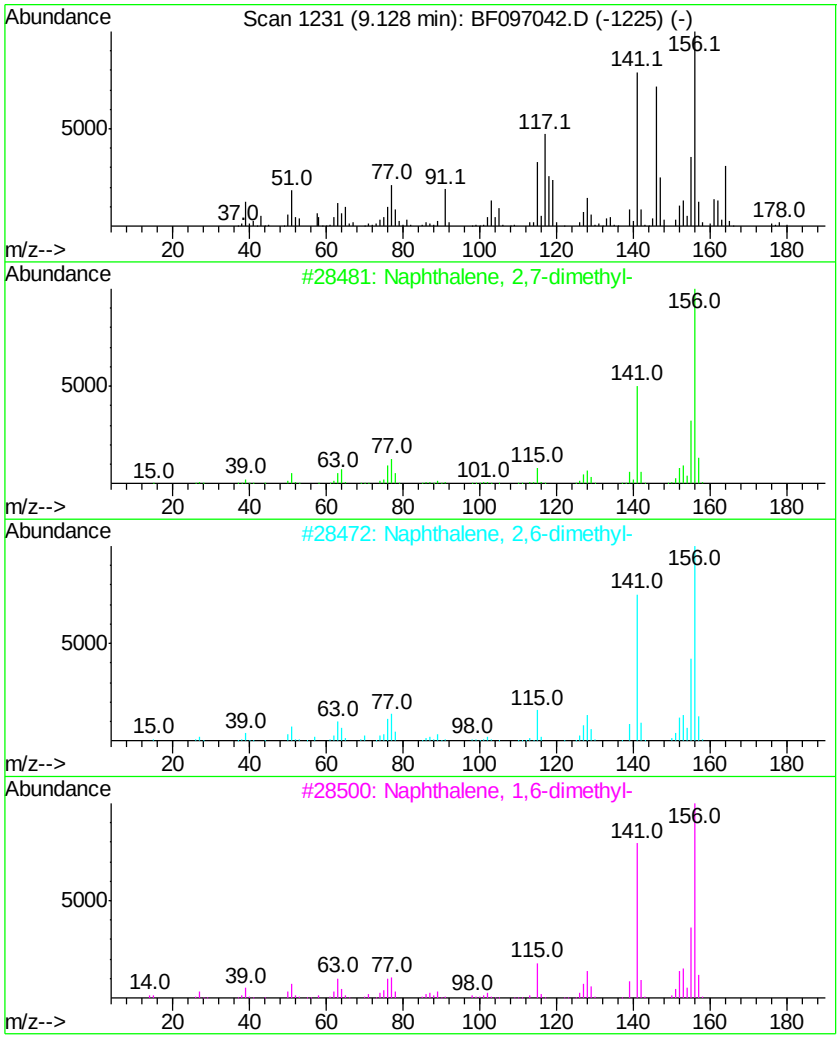
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

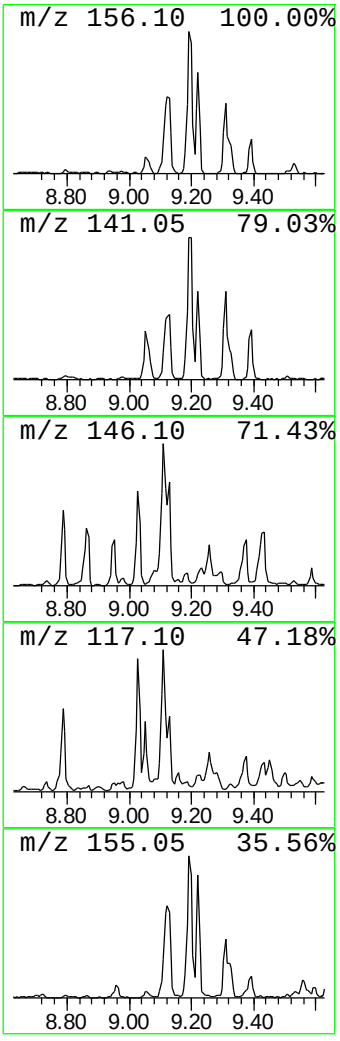
****

Peak Number 19 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	37.50 ng	2406870	Acenaphthene-d10	9.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

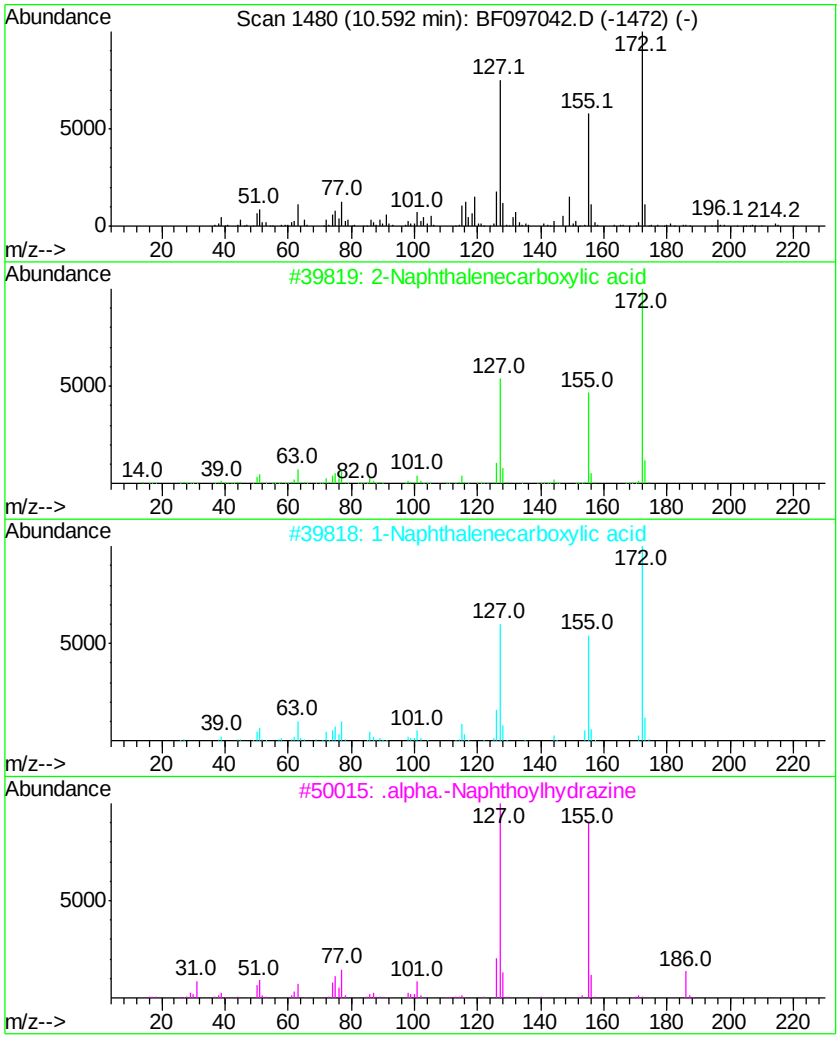
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

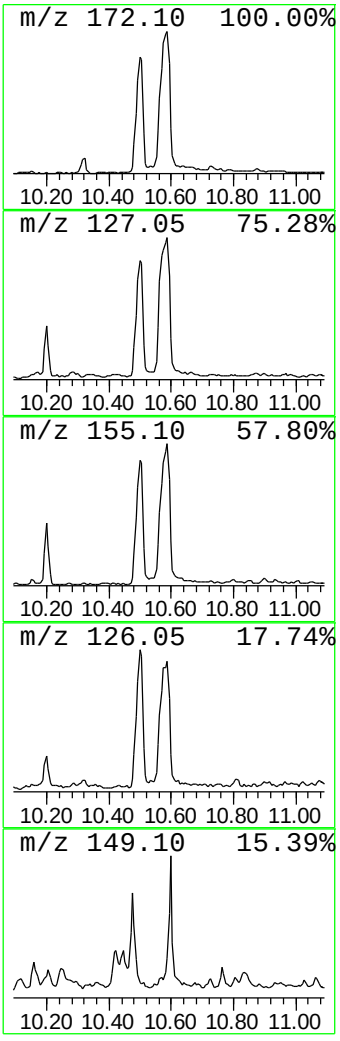
****

Peak Number 20 2-Naphthalenecarboxylic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	30.52 ng	1595840	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93
2	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	93
3	.alpha.-Naphthoylhydrazine	186	C11H10N2O	043038-45-5	53
4	1-Naphthamide	171	C11H9NO	002243-81-4	47
5	.beta.-Naphthamide	171	C11H9NO	002243-82-5	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097042.D
Acq On : 25 Jul 2017 21:21
Operator : SJ/JU
Sample : I4362-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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
Cyclopentanone, 2...	5.34	91.6	ng	4439770	1	6.50	969100	20.0
unknown6.27	6.27	52.1	ng	2524520	1	6.50	969100	20.0
Benzene, 1,2,3-tr...	6.33	68.8	ng	3335040	1	6.50	969100	20.0
Benzene, 1,2,4-tr...	6.56	45.5	ng	2205580	1	6.50	969100	20.0
Indene	6.76	68.9	ng	3338670	1	6.50	969100	20.0
Benzene, 1,2,4,5-...	7.31	34.9	ng	832145	2	7.79	476922	20.0
Benzothiazole	8.06	25.6	ng	611484	2	7.79	476922	20.0
Ethanone, 1-(3,4-...	8.16	27.1	ng	645780	2	7.79	476922	20.0
unknown8.27	8.27	27.6	ng	658160	2	7.79	476922	20.0
unknown8.30	8.30	28.5	ng	680202	2	7.79	476922	20.0
Ethanone, 1-(2,4-...	8.33	28.1	ng	669834	2	7.79	476922	20.0
1H-Inden-1-one, 2...	8.39	27.1	ng	645617	2	7.79	476922	20.0
3-Methylbenzothio...	8.45	28.8	ng	685588	2	7.79	476922	20.0
Naphthalene, 1-me...	8.61	355.9	ng	8487110	2	7.79	476922	20.0
Benzoic acid, 2,4...	8.75	37.1	ng	2383250	3	9.53	1283630	20.0
Naphthalene, 2,7-...	9.13	37.5	ng	2406870	3	9.53	1283630	20.0
2-Naphthalenecarb...	10.59	30.5	ng	1595840	4	11.00	1045940	20.0