LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.793	99	120	131	rBV	172117	445599	15.19%	1.371%
2	3.004	150	156	165	rVB5	14947	38774	1.32%	0.119%
3	3.340	202	213	222	rBV3	41564	100511	3.43%	0.309%
4	3.493	231	239	248	rVB	60180	116256	3.96%	0.358%
5	3.704	266	275	284	rBV4	16621	33301	1.14%	0.102%
6	4.010	315	327	332	rBV3	82501	148025	5.05%	0.455%
7	4.063	332	336	344	rVB	37794	59458	2.03%	0.183%
8	4.157	344	352	358	rBV	59995	93760	3.20%	0.288%
9	4.222	358	363	370	rBV3	33674	52707	1.80%	0.162%
10	4.357	380	386	393	rVB	127148	170301	5.81%	0.524%
11	4.457	396	403	410	rBV2	74407	110183	3.76%	0.339%
12	4.822	460	465	469	rBV2	51646	58501	1.99%	0.180%
13	4.875	469	474	479	rBV	113773	129520	4.41%	0.398%
14	4.928	479	483	489	rBV	140923	149535	5.10%	0.460%
15	4.987	489	493	500	rBV2	59001	115535	3.94%	0.355%
16	5.328	545	551	553	rBV2	1107802	1252543	42.70%	3.853%
17	5.345	553	554	560	rVB	852768	616623	21.02%	1.897%
18	5.393	560	562	569	rBV	443148	685326	23.36%	2.108%
19	5.504	578	581	584	rVB	52000	57702	1.97%	0.178%
20	5.604	594	598	601	rBV4	39151	56013	1.91%	0.172%
21	5.751	618	623	628	rVB3	44161	70784	2.41%	0.218%
22	5.893	643	647	652	rBV	78790	75610	2.58%	0.233%
23	5.998	661	665	672	rBV6	17567	30273	1.03%	0.093%
24	6.175	690	695	698	rBV2	36379	41494	1.41%	0.128%
25	6.275	708	712	714	rBV	246511	220701	7.52%	0.679%
26	6.304	714	717	722	rVV	631999	594403	20.26%	1.829%
27	6.351	722	725	733	rVV	706122	639309	21.79%	1.967%
28	6.434	734	739	753	rVV2	1446917	1704426	58.10%	5.243%
29	6.534	753	756	764	rVV	1787820	2116053	72.13%	6.509%
30	6.592	764	766	774	rVB	82539	91482	3.12%	0.281%
31	6.757	792	794	800	rBV2	546600	604170	20.59%	1.859%
32	6.810	800	803	817	rVB2	585147	668188	22.78%	2.056%
33	6.910	817	820	830	rBV	2027131	2120960	72.30%	6.525%
34	7.004	832	836	839	rVB	113723	116122	3.96%	0.357%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.069	844	847	849	rBV	148573	145357	4.95%	0.447%
36	7.092	849	851	854	rVV	124602	110091	3.75%	0.339%
37	7.145	856	860	866	rVB	178911	181154	6.17%	0.557%
38	7.222	870	873	875	rBV3	37508	45371	1.55%	0.140%
39	7.245	875	877	879	rVV	55195	49114	1.67%	0.151%
40	7.287	881	884	886	rVV	125897	96104	3.28%	0.296%
41	7.334	886	892	899	rVV	1520163	1635537	55.75%	5.031%
42	7.392	899	902	906	rVV2	123519	193478	6.60%	0.595%
43	7.434	906	909	912	rVV	168867	198778	6.78%	0.611%
44	7.463	912	914	917	rVV2	71156	66557	2.27%	0.205%
45	7.504	917	921	926	rVV4	60922	104900	3.58%	0.323%
46	7.551	926	929	934	rVB2	64612	67250	2.29%	0.207%
47	7.639	939	944	945	rBV2	52498	64009	2.18%	0.197%
48	7.681	945	951	955	rVB4	174995	277868	9.47%	0.855%
49	7.728	955	959	963	rBV2	201767	261440	8.91%	0.804%
50	7.775	963	967	970	rVB	187284	179861	6.13%	0.553%
51	7.810	970	973	976	rVB2	110835	91584	3.12%	0.282%
52	7.839	976	978	982	rBV2	226667	249423	8.50%	0.767%
53	7.875	982	984	986	rVB2	52637	40153	1.37%	0.124%
54	7.898	986	988	991	rVB	46100	42706	1.46%	0.131%
55	7.934	991	994	998	rBV	146983	166577	5.68%	0.512%
56	7.975	998	1001	1005	rVB2	42021	54390	1.85%	0.167%
57	8.039	1005	1012	1017	rBV	1017165	1101273	37.54%	3.388%
58	8.122	1023	1026	1029	rVB	58739	53806	1.83%	0.166%
59	8.186	1033	1037	1039	rBV	65983	72608	2.47%	0.223%
60	8.222	1039	1043	1045	rVV3	139802	168419	5.74%	0.518%
61	8.245	1045	1047	1051	rVV	524920	432341	14.74%	1.330%
62	8.286	1051	1054	1056	rVV2	116457	121459	4.14%	0.374%
63	8.316	1056	1059	1063	rVV	830878	835774	28.49%	2.571%
64	8.357	1063	1066	1072	rVB2	165901	205146	6.99%	0.631%
65	8.498	1083	1090	1094	rBV3	134925	251576	8.58%	0.774%
66	8.545	1094	1098	1100	rVV3	98702	138873	4.73%	0.427%
67	8.569	1100	1102	1105	rVV2	76473	96989	3.31%	0.298%
68	8.604	1105	1108	1112	rVB3	74172	90454	3.08%	0.278%
69	8.639	1112	1114	1116	rBV	30419	33265	1.13%	0.102%
70	8.663	1116	1118	1122	rVB	135980	121331	4.14%	0.373%
71	8.751	1129	1133	1139	rBV4	130376	194614	6.63%	0.599%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.839	1145	1148	1149	rBV	109588	96819	3.30%	0.298%
73	8.857	1149	1151	1153	rVV	120235	121669	4.15%	0.374%
74	8.898	1156	1158	1160	rVV	127458	108667	3.70%	0.334%
75	8.922	1160	1162	1167	rVB3	49459	56310	1.92%	0.173%
76	8.975	1167	1171	1173	rBV3	30543	39825	1.36%	0.123%
77	9.086	1185	1190	1191	rBV2	117190	116008	3.95%	0.357%
78	9.116	1191	1195	1198	rVB	3073275	2933695	100.00%	9.025%
79	9.151	1198	1201	1208	rVB3	45174	60346	2.06%	0.186%
80	9.228	1210	1214	1217	rBV4	38253	55368	1.89%	0.170%
81	9.380	1237	1240	1241	rBV2	30211	31095	1.06%	0.096%
82	9.398	1241	1243	1248	rVB3	40606	48485	1.65%	0.149%
83	9.516	1261	1263	1268	rVB	43626	47541	1.62%	0.146%
84	9.792	1307	1310	1315	rBV2	1016088	850836	29.00%	2.617%
85	10.516	1430	1433	1436	rVB	39616	32380	1.10%	0.100%
86	10.592	1442	1446	1458	rBV	1604356	1583915	53.99%	4.872%
87	11.286	1561	1564	1574	rVB	895192	857851	29.24%	2.639%
88	11.804	1648	1652	1656	rBV	46399	59401	2.02%	0.183%
89	12.586	1781	1785	1793	rBV6	20825	30174	1.03%	0.093%
90	12.869	1829	1833	1836	rBV	2601701	2548942	86.89%	7.841%
91	13.945	2012	2016	2028	rVB	478457	524386	17.87%	1.613%
92	15.404	2260	2264	2278	rBV	309741	479819	16.36%	1.476%

Sum of corrected areas: 32507310

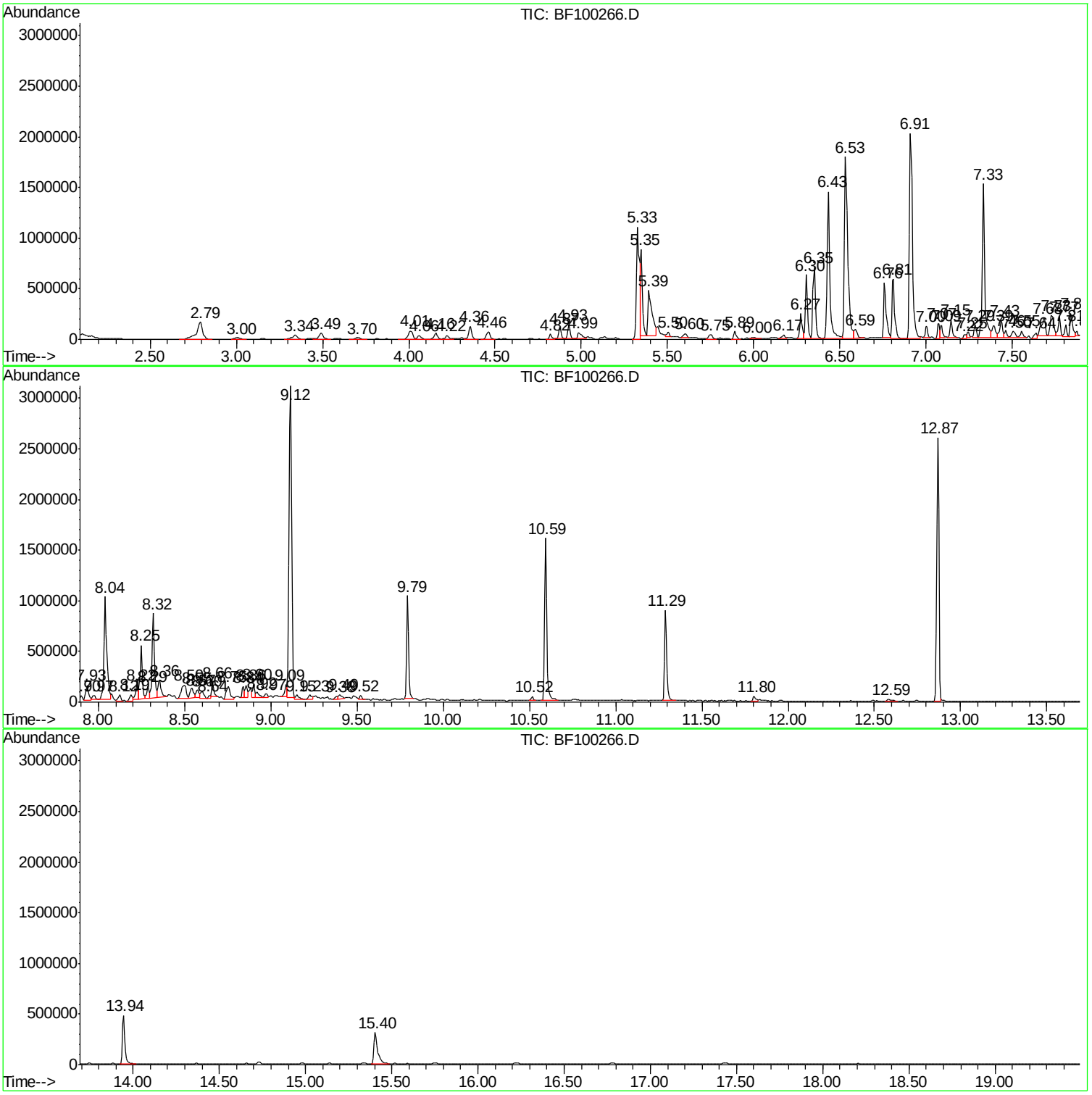
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

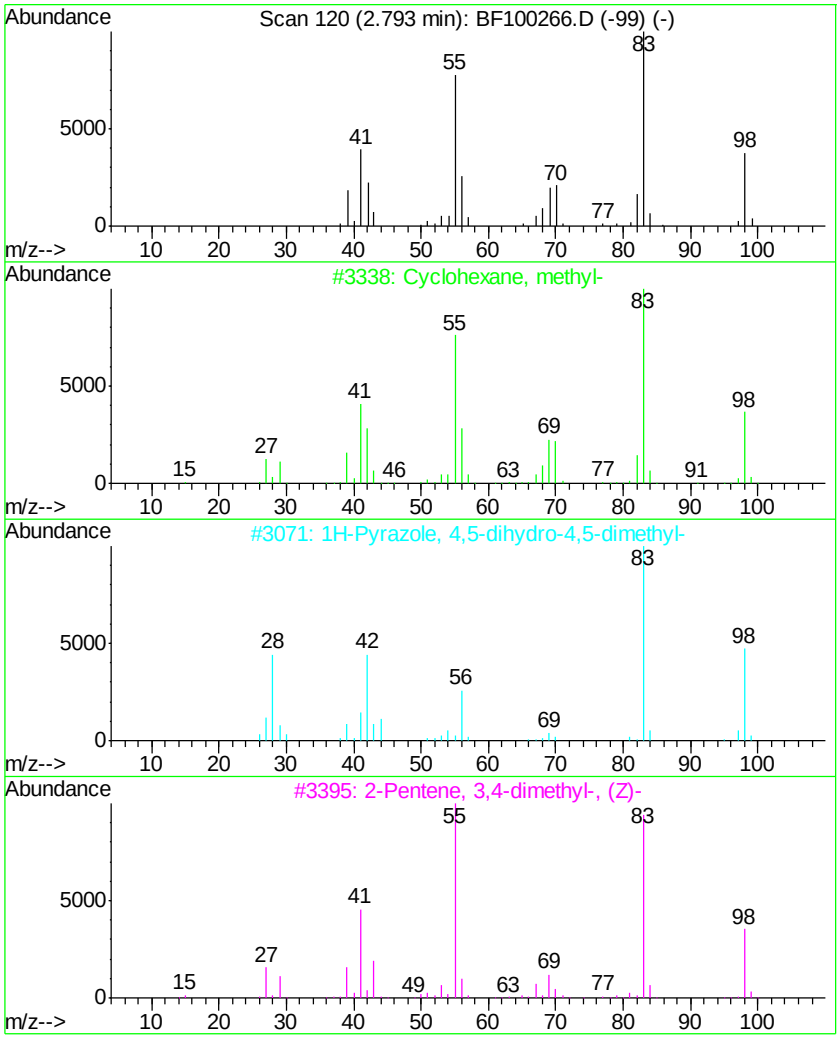
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

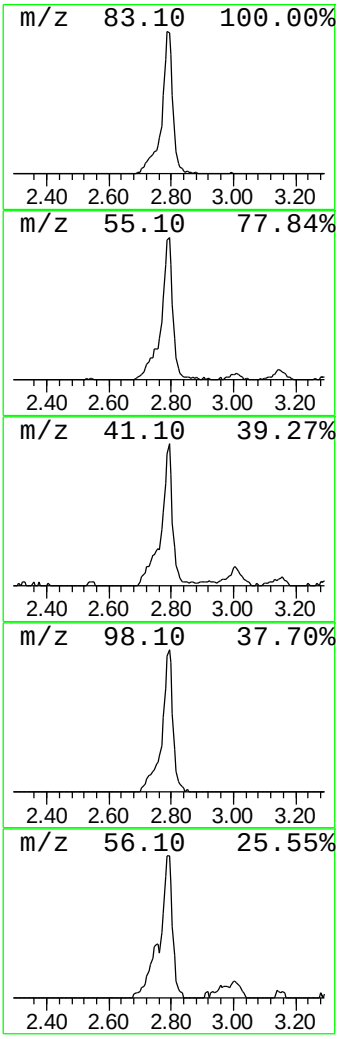
****

Peak Number 1 Cyclohexane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	14.75 ng	445599	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	96
2	1H-Pyrazole, 4,5-dihydro-4,5-dim...	98	C5H10N2	028019-94-5	53
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	52
4	1H-Pyrazole, 4,5-dihydro-5,5-dim...	98	C5H10N2	004320-85-8	52
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

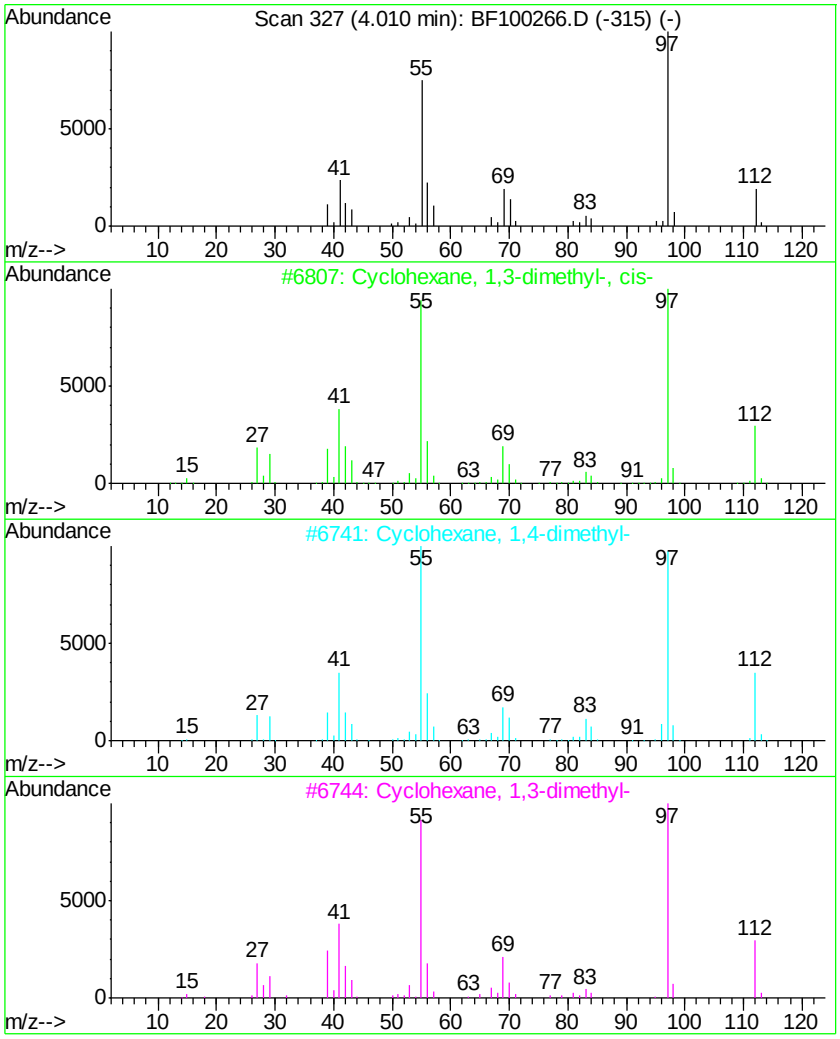
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

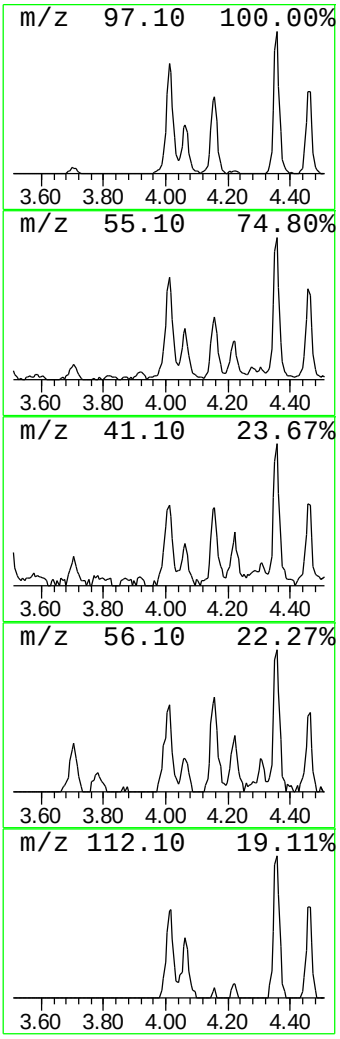
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	4.90 ng	148025	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
3	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	76
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

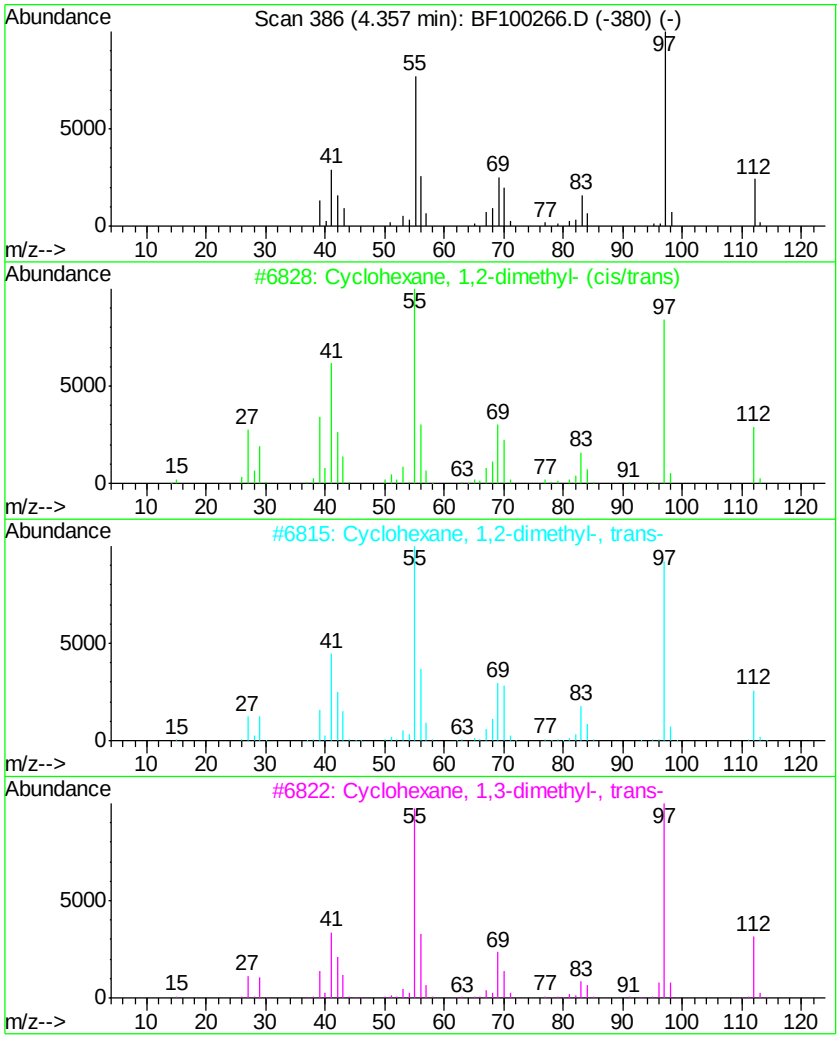
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

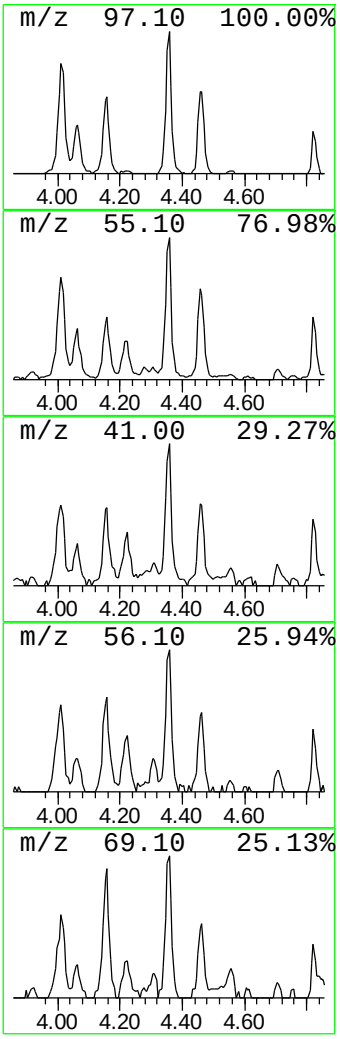
****

Peak Number 3 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	5.64 ng	170301	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	96
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	68
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

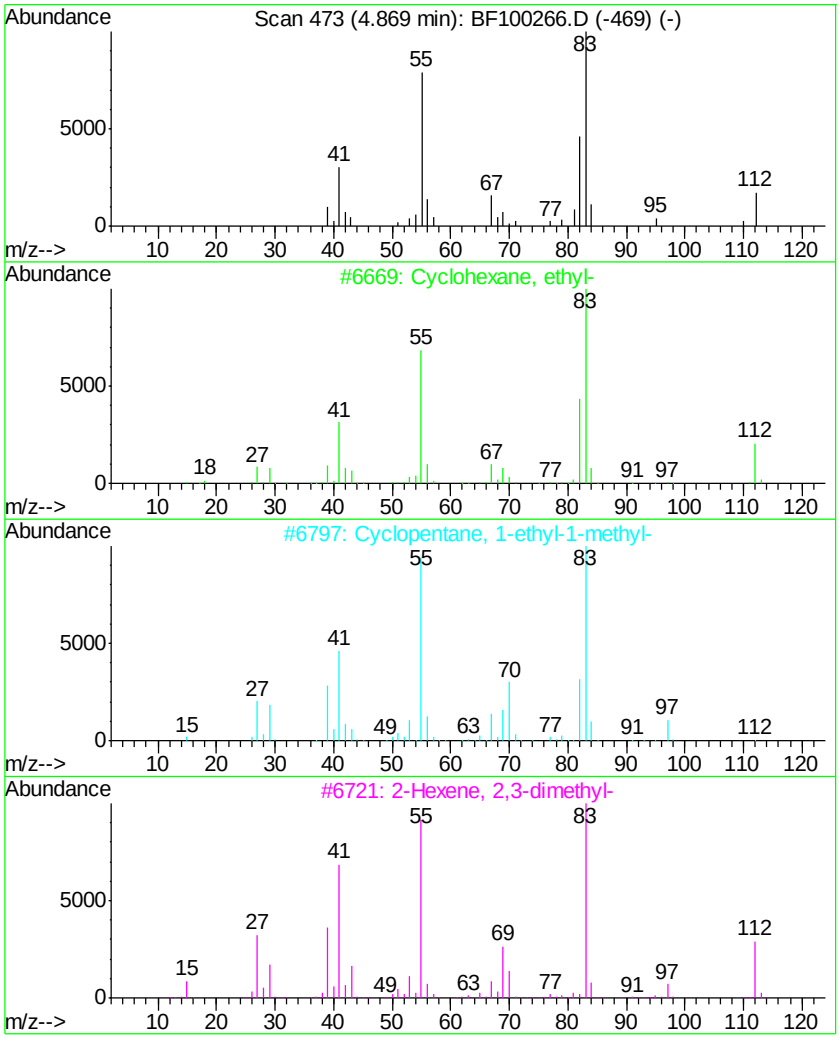
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

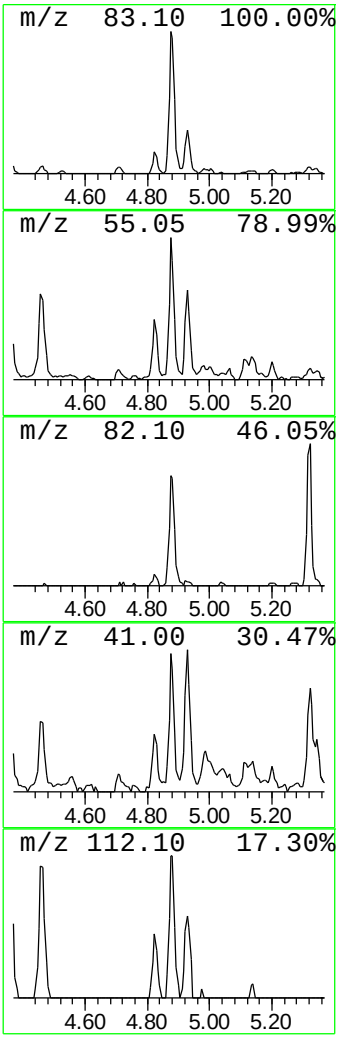
****

Peak Number 4 Cyclohexane, ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	4.29 ng	129520	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	59
3	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	59
4	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	59
5	Oxalic acid, cyclohexyl pentyl e...	242	C13H22O4	1000309-30-6	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

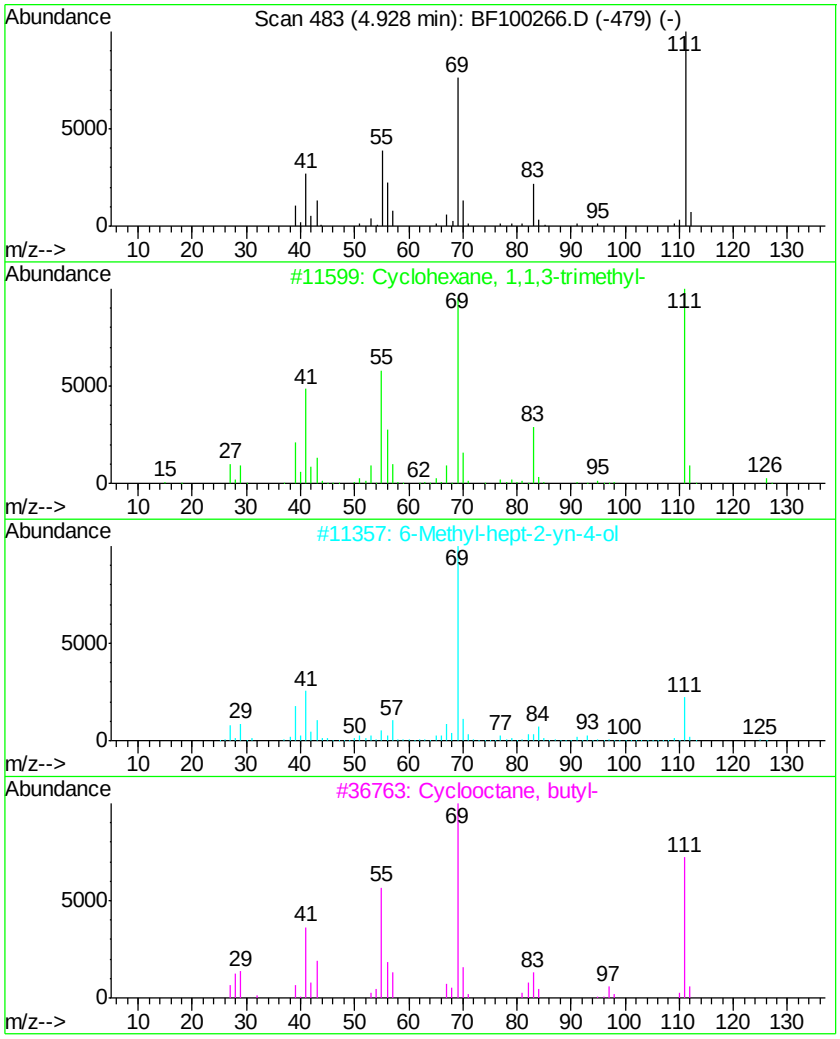
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

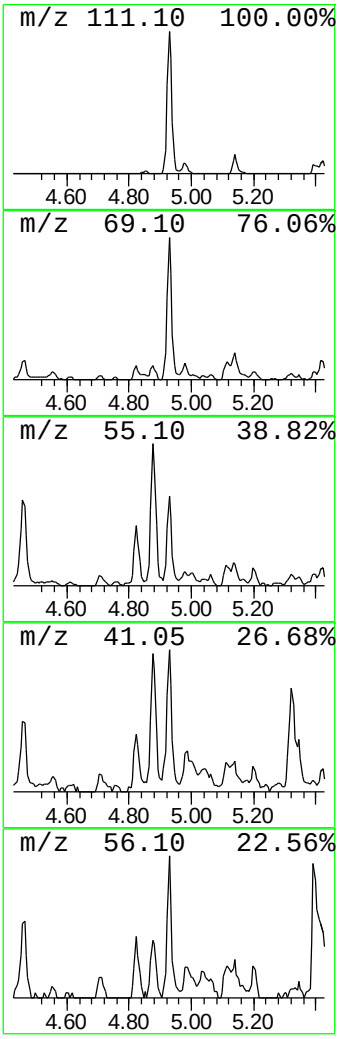
****

Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	4.95 ng	149535	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
2	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	59
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	56
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	50
5	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

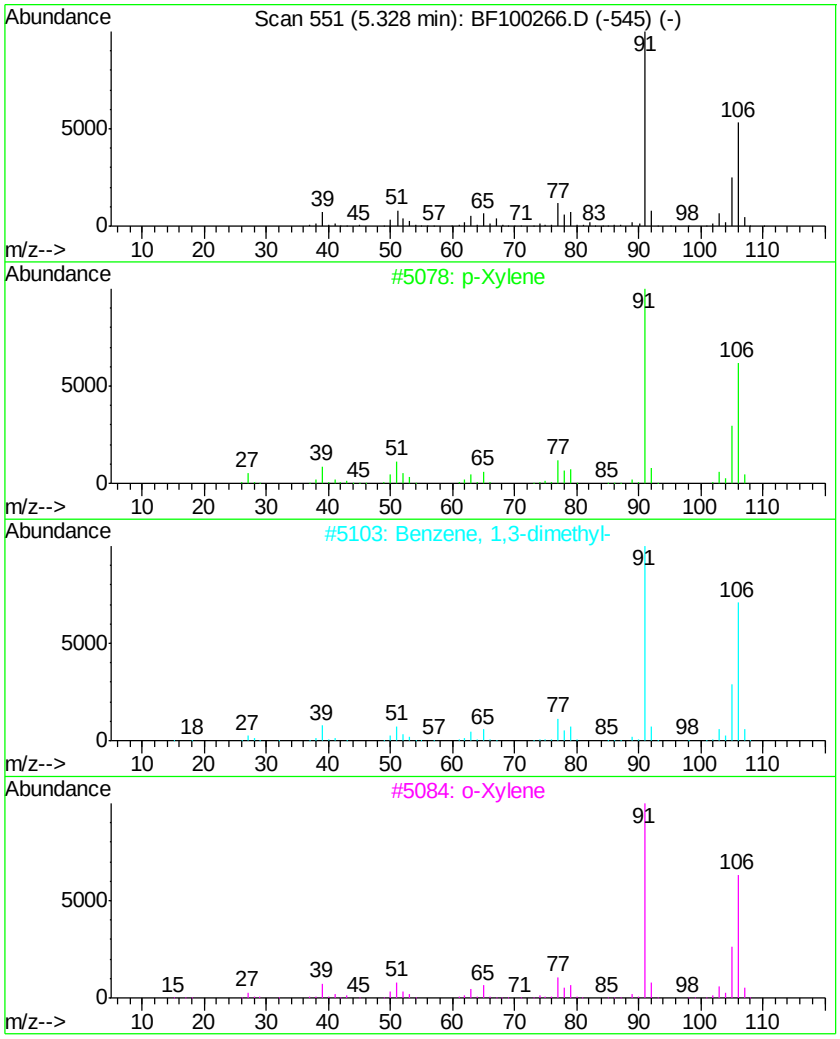
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

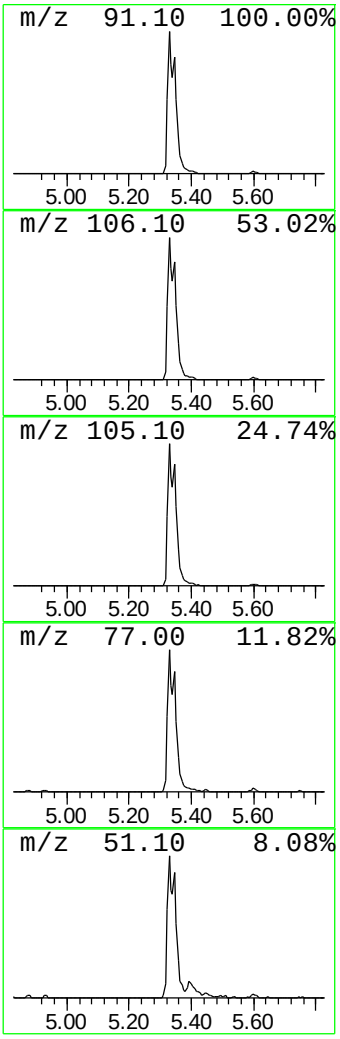
****

Peak Number 6 p-Xylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	41.46 ng	1252540	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	95
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	87
5	Ethylbenzene	106	C8H10	000100-41-4	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

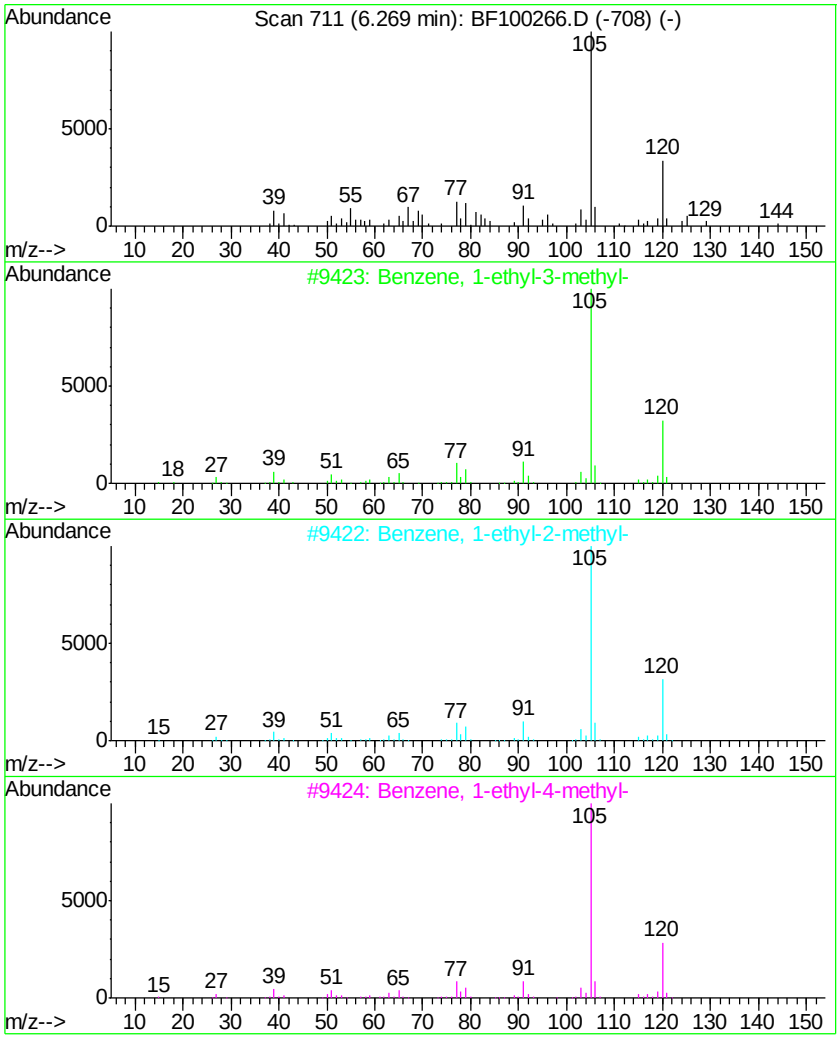
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

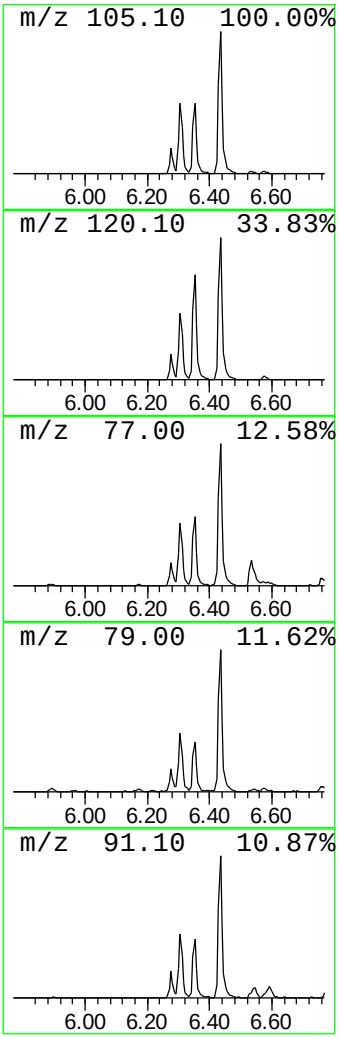
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	7.31 ng	220701	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

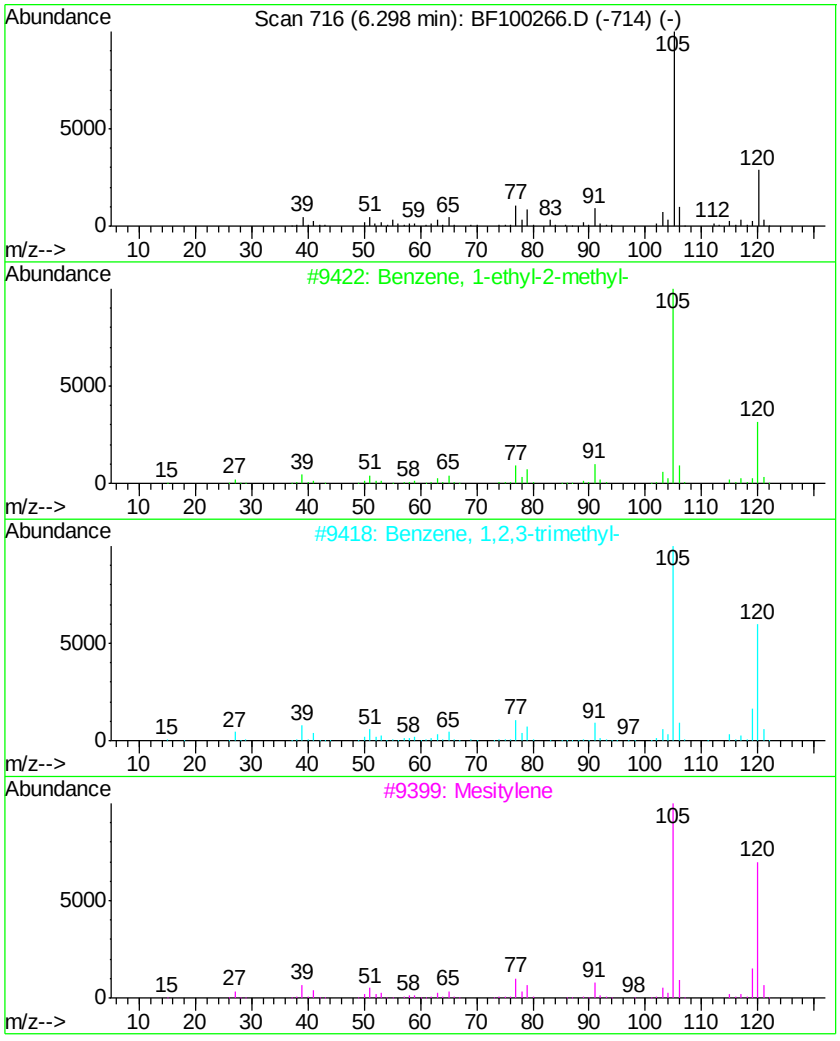
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

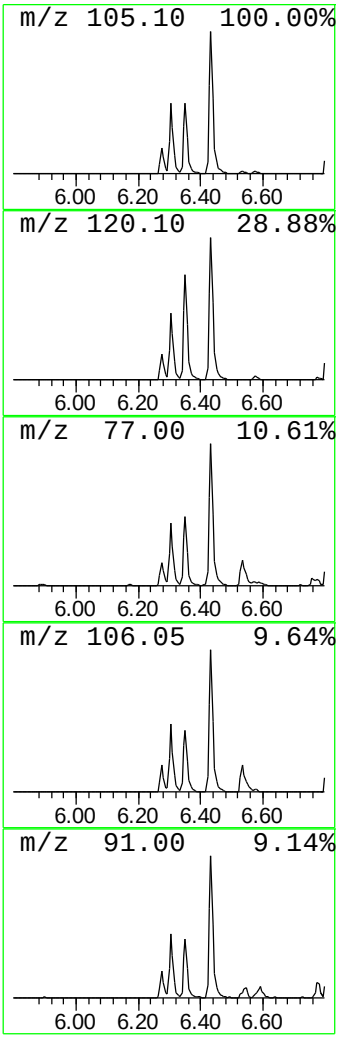
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	19.68 ng	594403	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

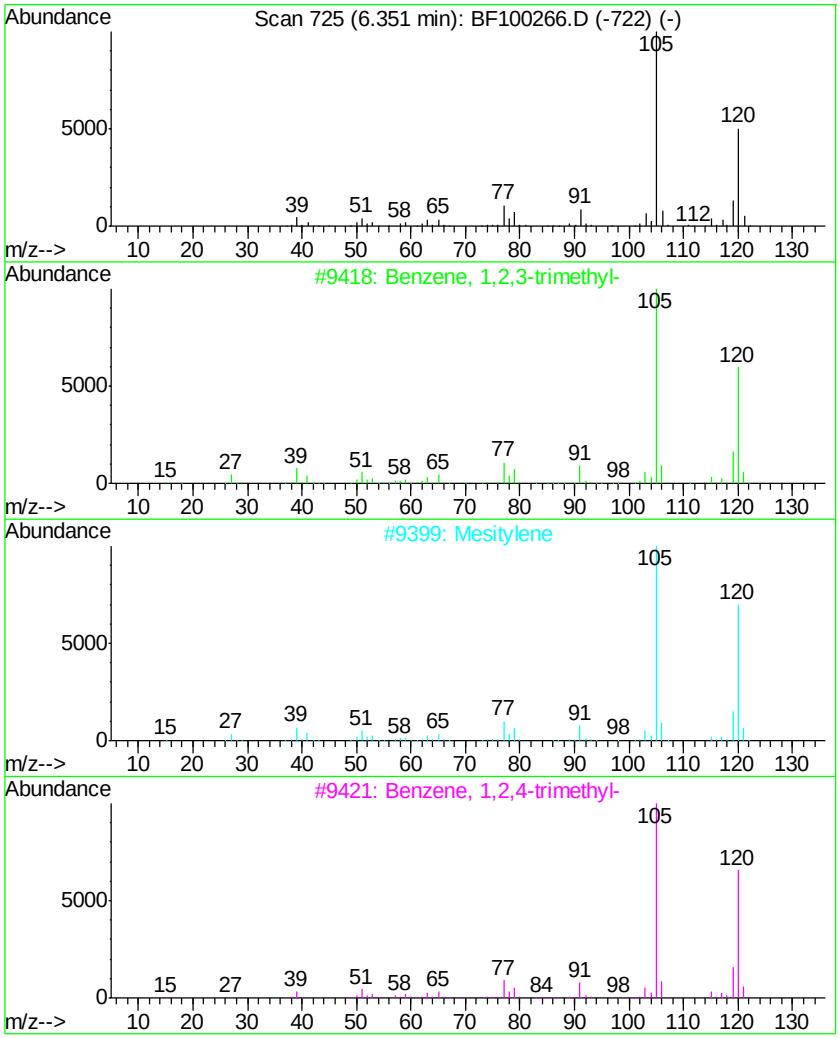
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

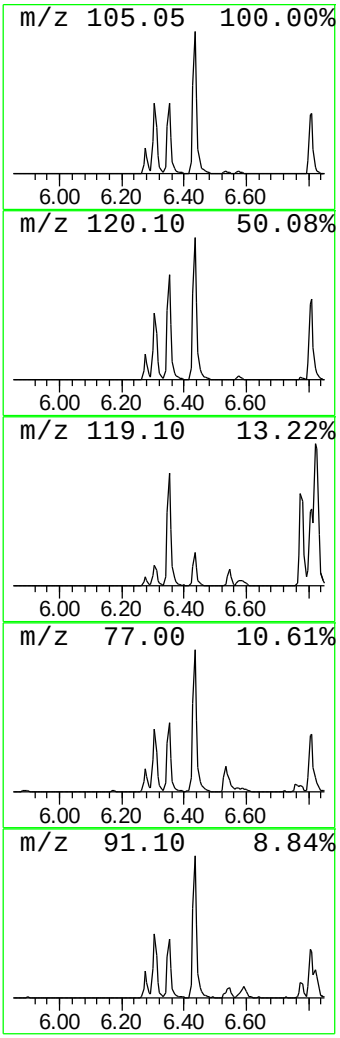
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	21.16 ng	639309	1,4-Dichlorobenzene-d4	6.76

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





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

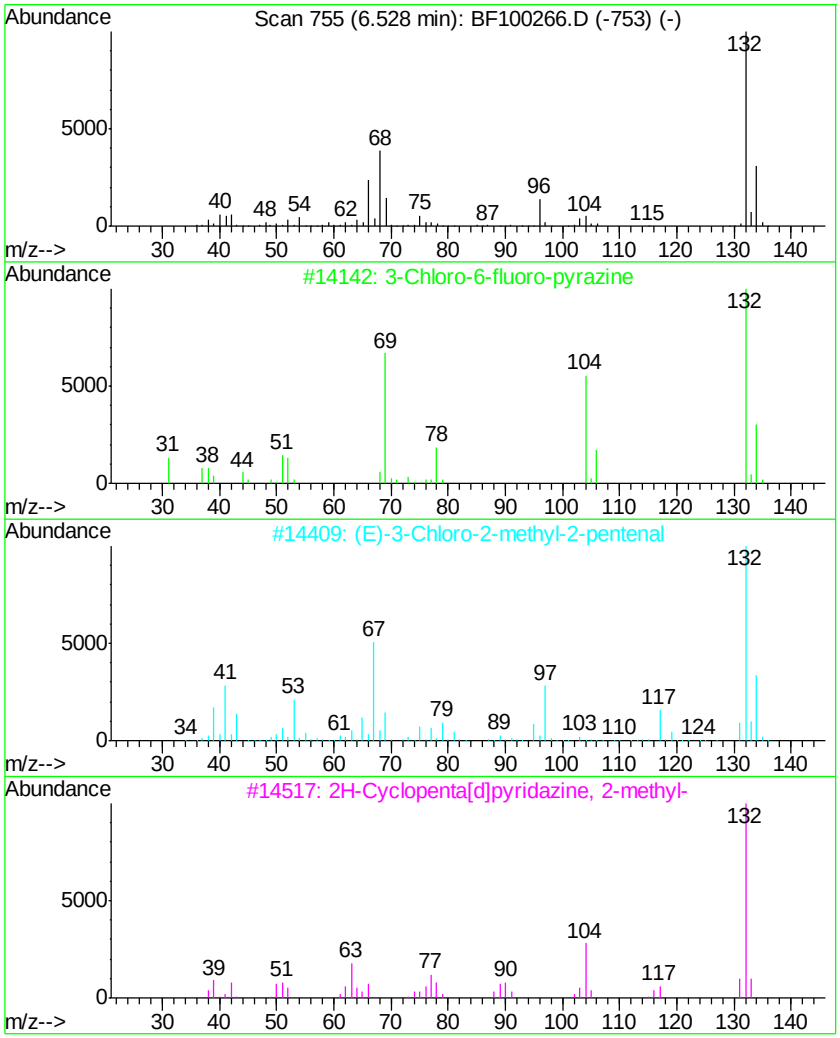
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

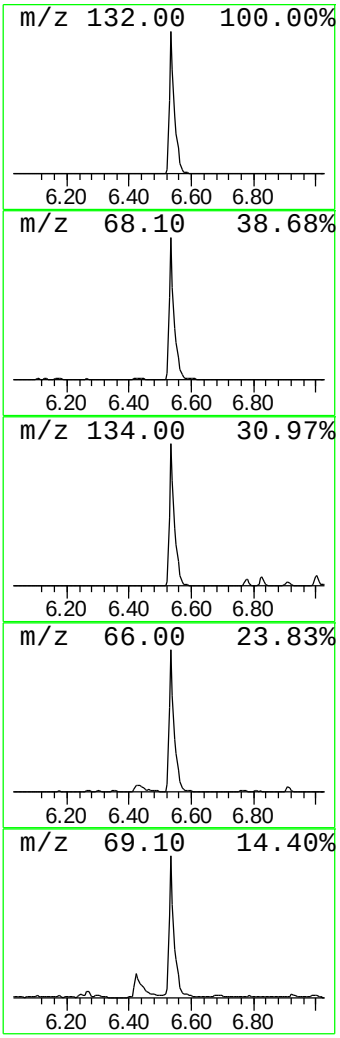
****

Peak Number 10 unknown6.53 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	70.05 ng	2116050	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Aminoindan	133	C9H11N	034698-41-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

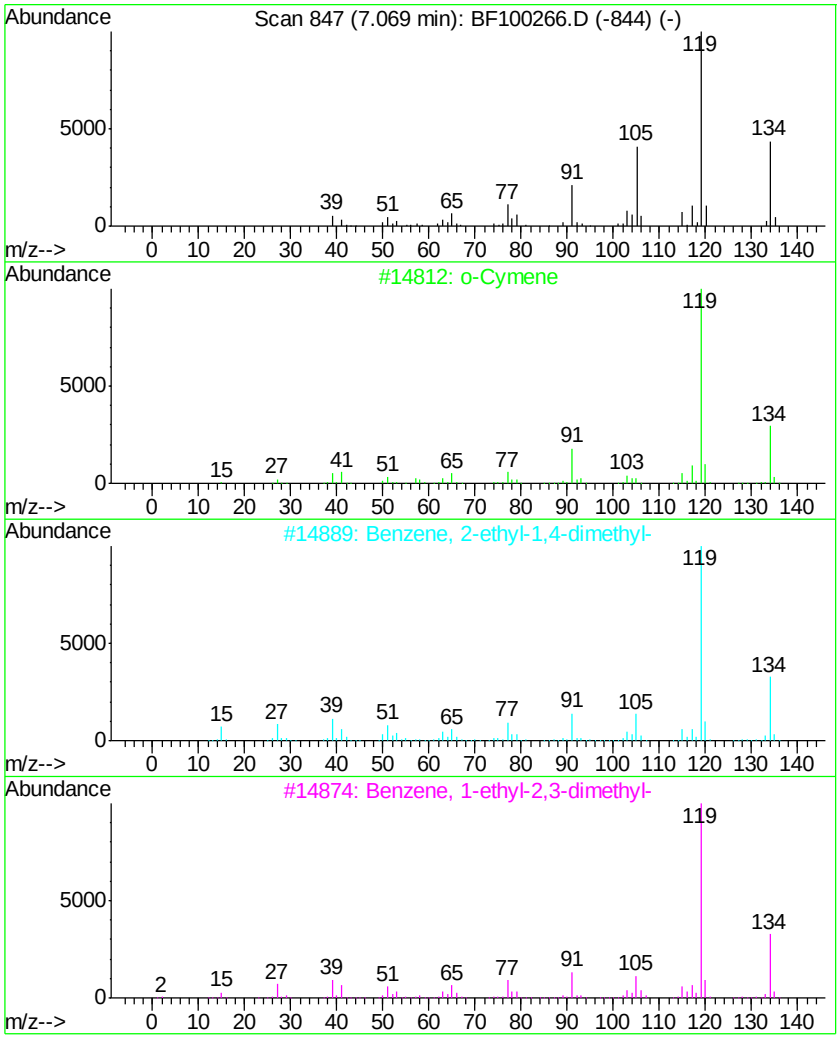
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

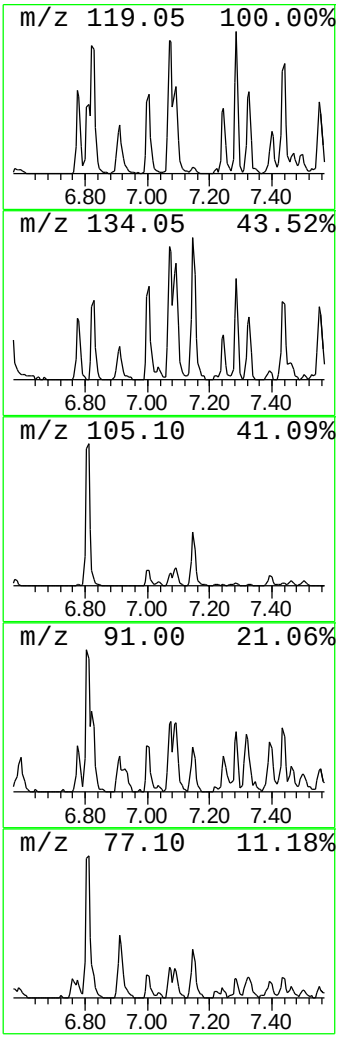
****

Peak Number 13 o-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	4.81 ng	145357	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

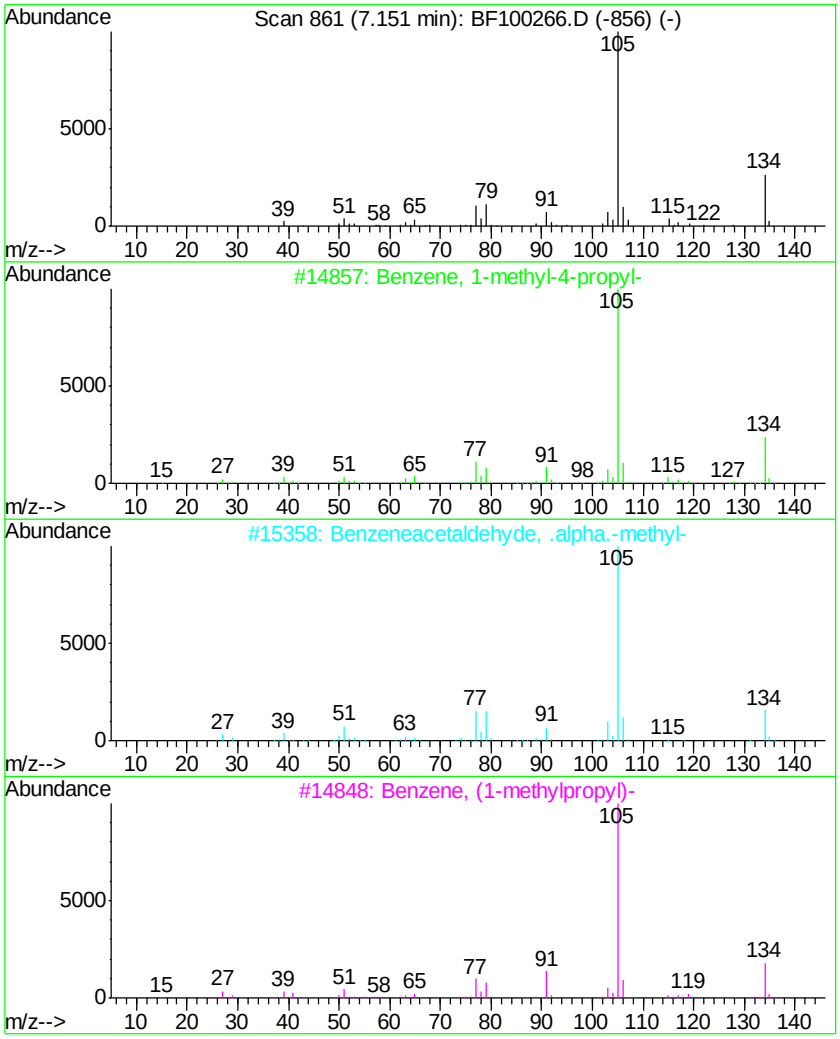
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

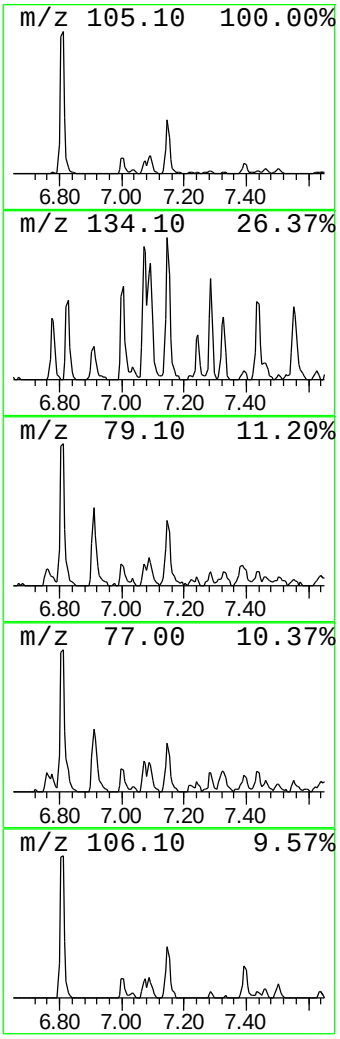
****

Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	6.00 ng	181154	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
5	2-Indanol	134	C9H10O	004254-29-9	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

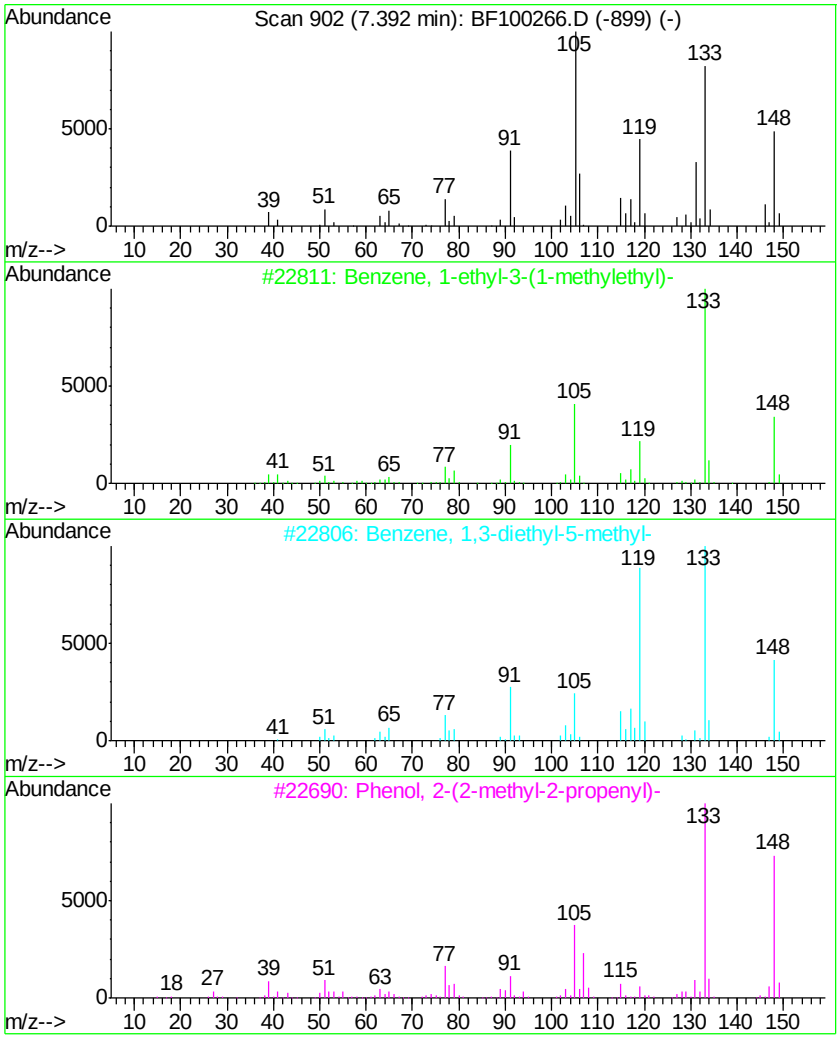
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

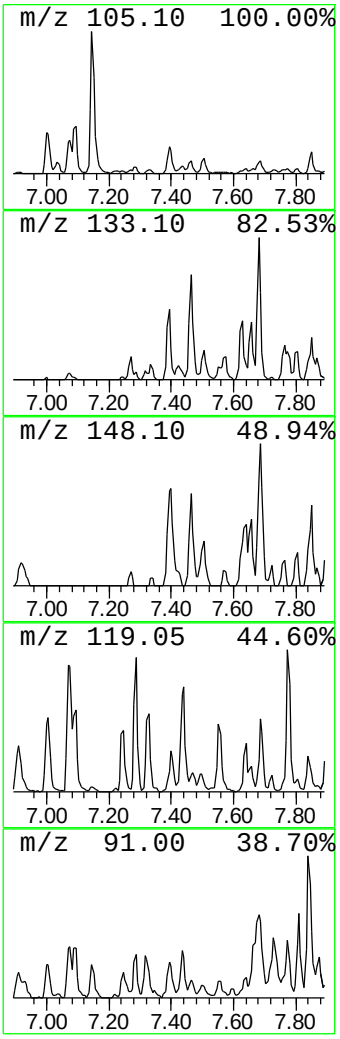
****

Peak Number 15 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	6.40 ng	193478	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	76
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	50
4	Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	49
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

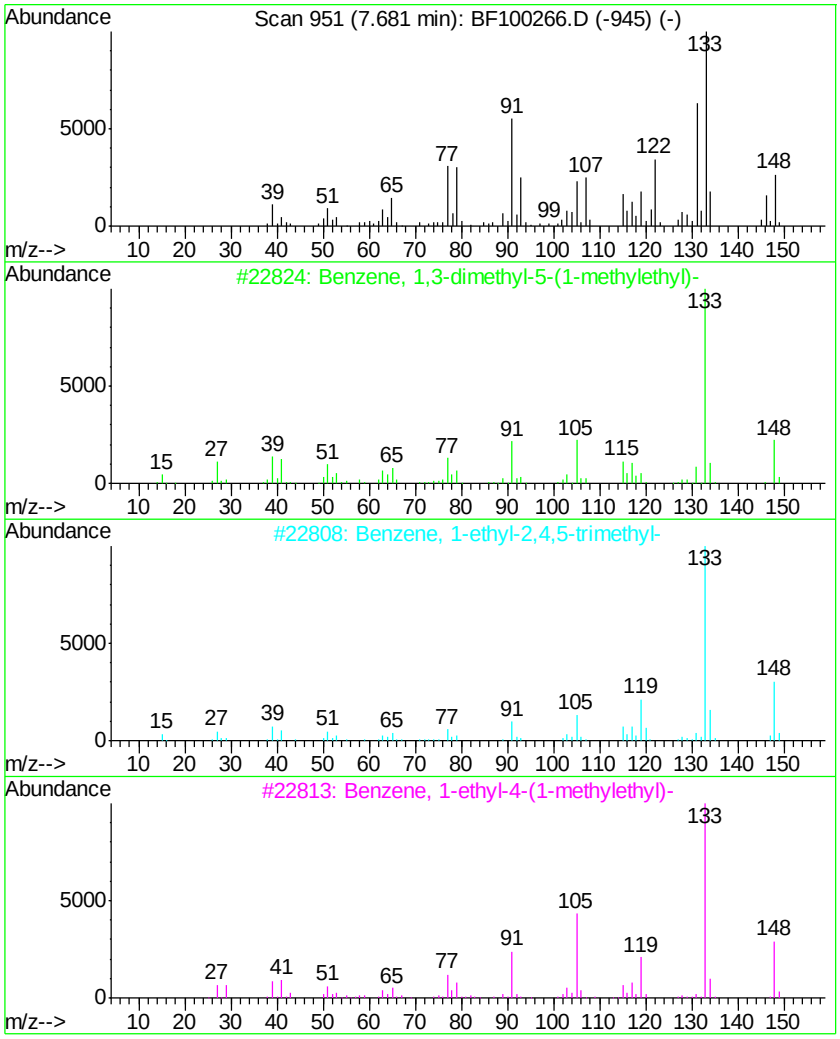
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

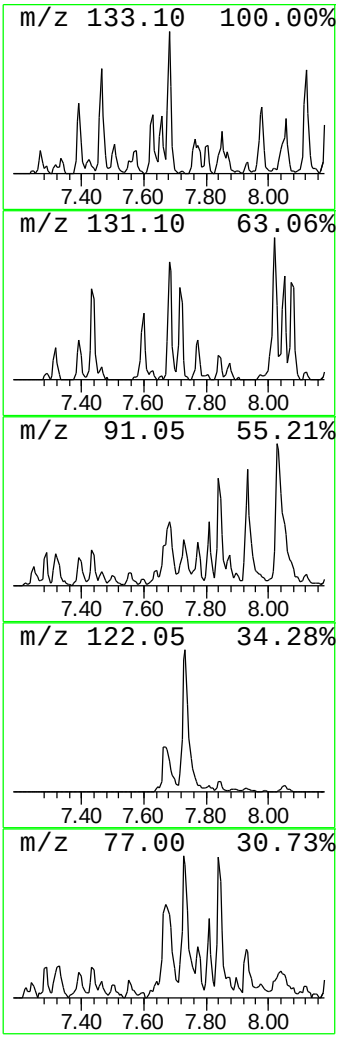
****

Peak Number 16 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	5.05 ng	277868	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	60
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	45
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

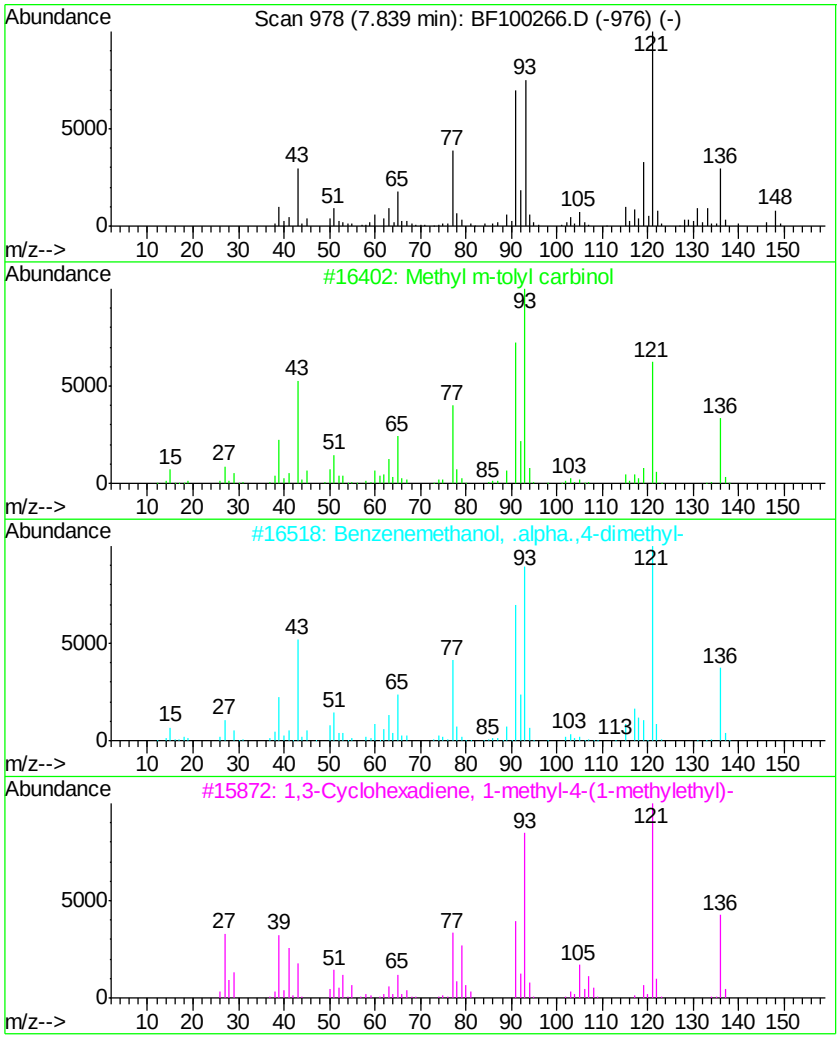
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

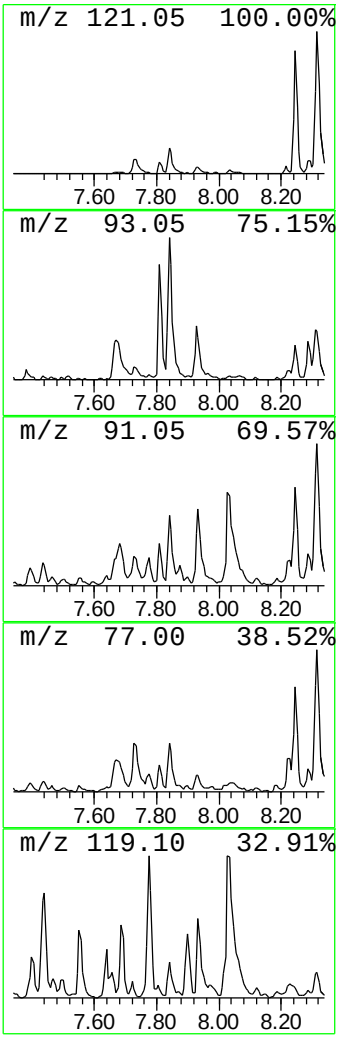
****

Peak Number 17 Methyl m-tolyl carbinol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	4.53 ng	249423	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl m-tolyl carbinol	136	C9H12O	1000342-29-9	91
2	Benzenemethanol, .alpha.,4-dimet...	136	C9H12O	000536-50-5	87
3	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	64
4	Ethanone, 1-(3-hydroxyphenyl)-	136	C8H8O2	000121-71-1	50
5	3-Hydroxybenzoyl 2-nitrobenzylid...	285	C14H11N3O4	299929-40-1	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

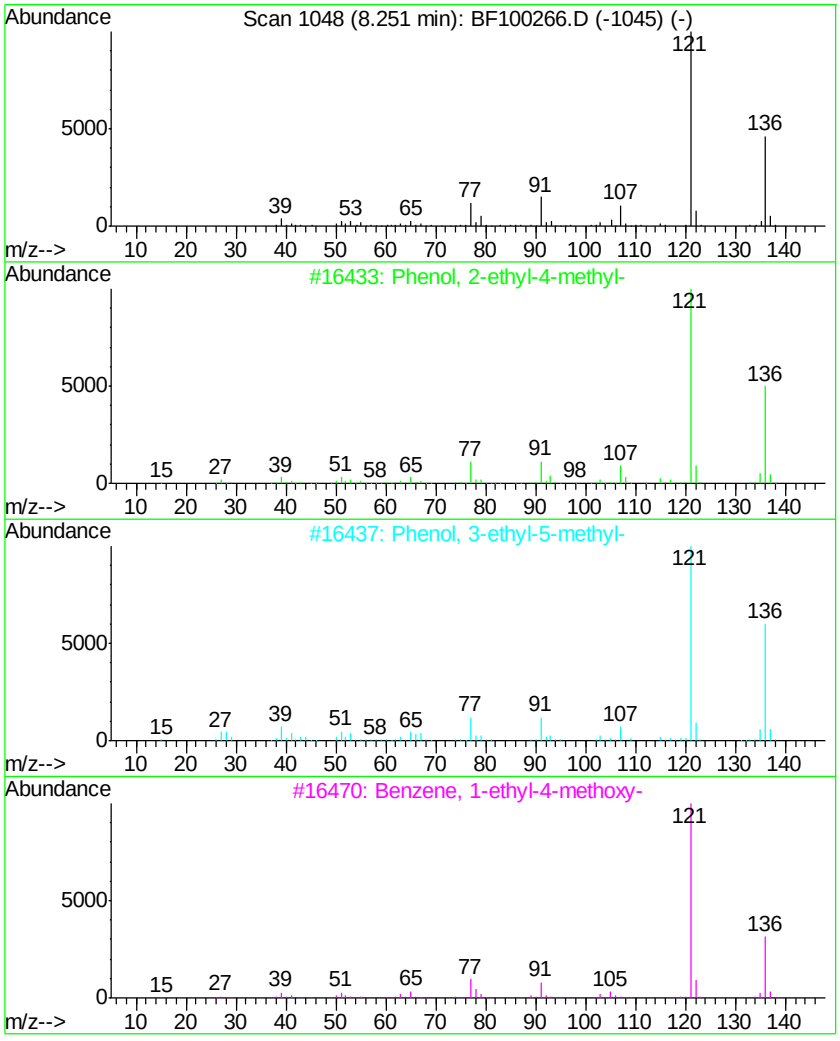
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

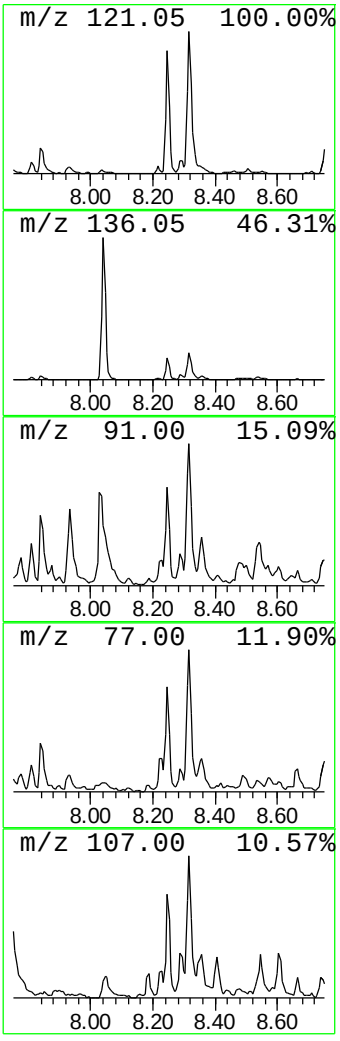
****

Peak Number 18 Phenol, 2-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	7.85 ng	432341	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	91
2	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	91
3	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	91
4	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	90
5	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

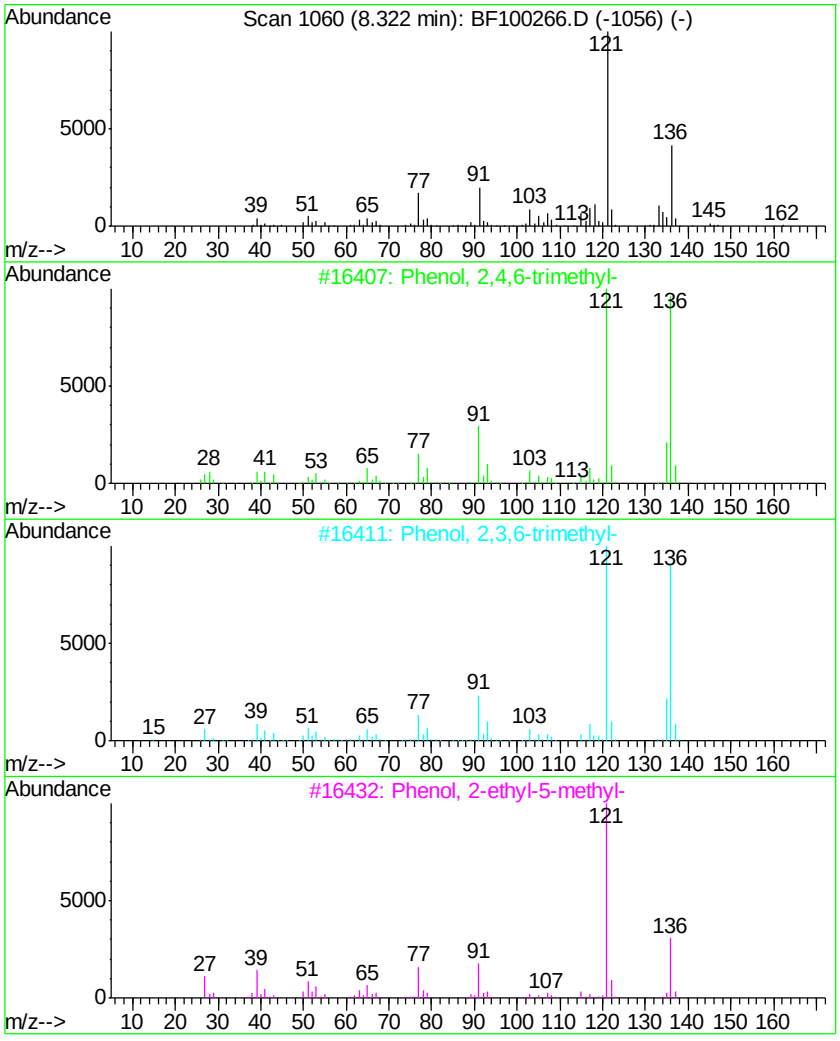
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

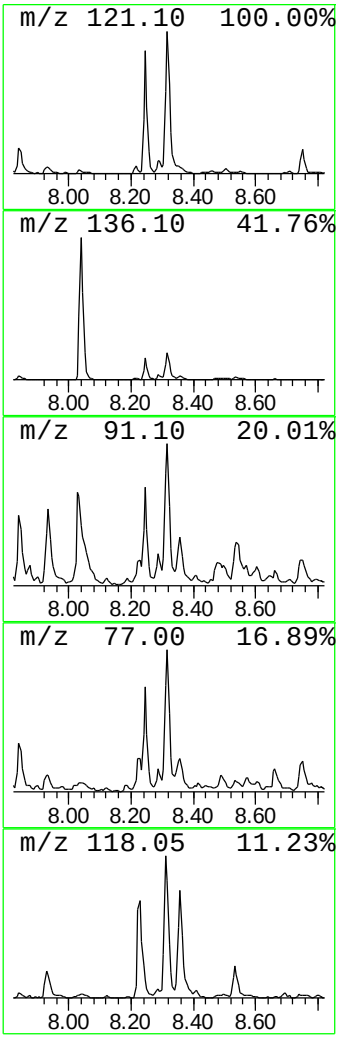
****

Peak Number 19 Phenol, 2,4,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	15.18 ng	835774	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	83
2	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	80
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	76
4	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	74
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

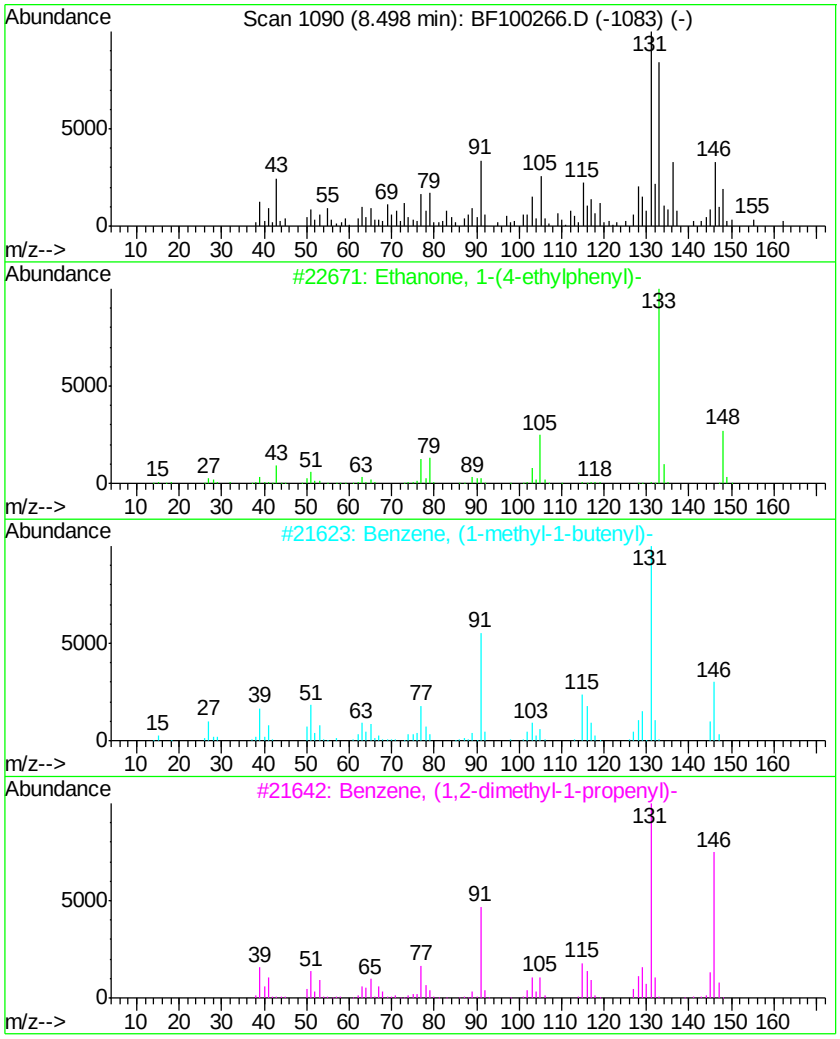
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

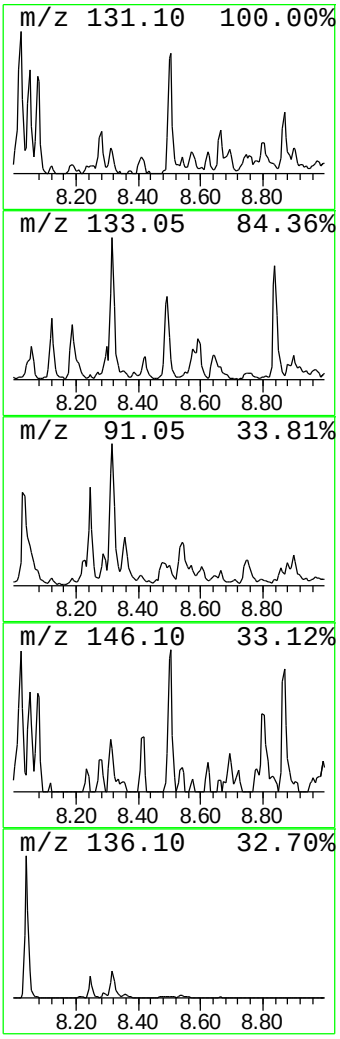
****

Peak Number 20 Ethanone, 1-(4-ethylphenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	4.57 ng	251576	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	70
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	46
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100266.D
Acq On : 6 Nov 2017 22:15
Operator : SJ/JU
Sample : I6332-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-0029

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
Cyclohexane, methyl-	2.79	14.8	ng	445599	1	6.76	604170	20.0
Cyclohexane, 1,3-...	4.01	4.9	ng	148025	1	6.76	604170	20.0
Cyclohexane, 1,2-...	4.36	5.6	ng	170301	1	6.76	604170	20.0
Cyclohexane, ethyl-	4.87	4.3	ng	129520	1	6.76	604170	20.0
Cyclohexane, 1,1,...	4.93	5.0	ng	149535	1	6.76	604170	20.0
p-Xylene	5.33	41.5	ng	1252540	1	6.76	604170	20.0
Benzene, 1-ethyl-...	6.27	7.3	ng	220701	1	6.76	604170	20.0
Benzene, 1-ethyl-...	6.30	19.7	ng	594403	1	6.76	604170	20.0
Benzene, 1,2,3-tr...	6.35	21.2	ng	639309	1	6.76	604170	20.0
unknown6.53	6.53	70.0	ng	2116050	1	6.76	604170	20.0
o-Cymene	7.07	4.8	ng	145357	1	6.76	604170	20.0
Benzene, 1-methyl...	7.15	6.0	ng	181154	1	6.76	604170	20.0
Benzene, 1-ethyl-...	7.39	6.4	ng	193478	1	6.76	604170	20.0
Benzene, 1,3-dime...	7.68	5.0	ng	277868	2	8.04	1101270	20.0
Methyl m-tolyl ca...	7.84	4.5	ng	249423	2	8.04	1101270	20.0
Phenol, 2-ethyl-4...	8.25	7.8	ng	432341	2	8.04	1101270	20.0
Phenol, 2,4,6-tri...	8.32	15.2	ng	835774	2	8.04	1101270	20.0
Ethanone, 1-(4-et...	8.50	4.6	ng	251576	2	8.04	1101270	20.0