LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103087.D
Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-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-BF020318.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	2.146	4	10	18	rVB	2754147	3687126	27.76%	1.812%
2	2.275	29	32	41	rVB	557897	734955	5.53%	0.361%
3	3.034	151	161	168	rVB3	246616	601852	4.53%	0.296%
4	3.975	313	321	325	rVB	4652369	7322843	55.14%	3.598%
5	4.210	357	361	366	rVV	314941	460302	3.47%	0.226%
6	4.352	380	385	388	rVV2	271633	423006	3.18%	0.208%
7	4.387	388	391	397	rVV	569304	794804	5.98%	0.391%
8	4.522	410	414	415	rVV	416591	463628	3.49%	0.228%
9	4.540	415	417	427	rVB3	543834	707291	5.33%	0.348%
10	4.634	427	433	439	rBV3	1074458	1318284	9.93%	0.648%
11	5.040	500	502	507	rVV	475606	508307	3.83%	0.250%
12	5.116	513	515	518	rVV	453865	472989	3.56%	0.232%
13	5.222	529	533	539	rVB2	901969	1301714	9.80%	0.640%
14	5.363	553	557	561	rBV	2158162	2149639	16.19%	1.056%
15	5.481	571	577	589	rVB2	5792402	13281521	100.00%	6.526%
16	5.681	608	611	616	rVV3	518719	667630	5.03%	0.328%
17	5.734	616	620	623	rVV	5175062	5845327	44.01%	2.872%
18	5.757	623	624	627	rVV	919098	723239	5.45%	0.355%
19	5.799	627	631	633	rVV3	378385	547454	4.12%	0.269%
20	5.828	633	636	641	rVV2	702939	862532	6.49%	0.424%
21	6.046	669	673	678	rBV	885230	1060913	7.99%	0.521%
22	6.216	700	702	708	rVB3	389650	510183	3.84%	0.251%
23	6.281	708	713	714	rBV3	326159	397725	2.99%	0.195%
24	6.298	714	716	720	rVV3	374379	470194	3.54%	0.231%
25	6.340	720	723	726	rVV2	961387	1033519	7.78%	0.508%
26	6.404	730	734	737	rBV	3602600	3349568	25.22%	1.646%
27	6.434	737	739	741	rVV	1852589	1514596	11.40%	0.744%
28	6.481	744	747	750	rVB	3399604	2883395	21.71%	1.417%
29	6.534	750	756	759	rBV2	2048127	3599382	27.10%	1.769%
30	6.563	759	761	765	rVB	1741189	1488242	11.21%	0.731%
31	6.657	771	777	780	rBV	3635947	4014119	30.22%	1.972%
32	6.710	780	786	789	rVV	6144121	7411808	55.81%	3.642%
33	6.881	810	815	817	rBV	1252710	1202839	9.06%	0.591%
34	6.904	817	819	821	rVV	525146	496215	3.74%	0.244%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
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Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-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-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.940	821	825	835	rVB	3286033	4032904	30.36%	1.982%
36	7.040	835	842	844	rBV	3604326	4383786	33.01%	2.154%
37	7.057	844	845	853	rVB2	2111373	1997705	15.04%	0.982%
38	7.145	853	860	864	rBV2	4738850	7193590	54.16%	3.535%
39	7.193	865	868	873	rVV	2742114	2487916	18.73%	1.222%
40	7.240	873	876	878	rVV2	599651	610720	4.60%	0.300%
41	7.310	878	888	891	rVV2	4610341	9910990	74.62%	4.870%
42	7.340	891	893	895	rVV	1396159	1169251	8.80%	0.575%
43	7.363	895	897	899	rVV	1263775	1027276	7.73%	0.505%
44	7.410	902	905	908	rVV	2257236	2379253	17.91%	1.169%
45	7.451	908	912	915	rVB2	4432809	4733768	35.64%	2.326%
46	7.522	920	924	928	rBV3	664781	952233	7.17%	0.468%
47	7.563	928	931	934	rVV3	938899	1213295	9.14%	0.596%
48	7.593	934	936	940	rVB3	455167	606731	4.57%	0.298%
49	7.645	940	945	947	rBV	1775974	1537207	11.57%	0.755%
50	7.675	947	950	952	rVB	2416757	1967512	14.81%	0.967%
51	7.734	954	960	962	rBV	1289965	1216373	9.16%	0.598%
52	7.763	962	965	970	rVB3	905329	1378272	10.38%	0.677%
53	7.828	970	976	981	rVB4	3527450	6257551	47.11%	3.075%
54	7.898	981	988	991	rBV	3506482	3753221	28.26%	1.844%
55	7.957	991	998	1003	rVV3	2434524	6229536	46.90%	3.061%
56	7.998	1003	1005	1007	rVV	749615	645618	4.86%	0.317%
57	8.028	1007	1010	1015	rVB3	1590844	1857065	13.98%	0.913%
58	8.075	1015	1018	1022	rBV2	1707723	1843287	13.88%	0.906%
59	8.134	1022	1028	1030	rVV2	2223345	3336980	25.12%	1.640%
60	8.192	1034	1038	1042	rVV	5429689	7325448	55.16%	3.599%
61	8.245	1042	1047	1049	rVV3	553105	843725	6.35%	0.415%
62	8.334	1059	1062	1064	rVV	455848	459640	3.46%	0.226%
63	8.404	1069	1074	1076	rVV4	780073	1428817	10.76%	0.702%
64	8.434	1076	1079	1082	rVV2	1471946	1640559	12.35%	0.806%
65	8.469	1082	1085	1088	rVV3	1020945	1149955	8.66%	0.565%
66	8.504	1088	1091	1092	rVV2	466650	378474	2.85%	0.186%
67	8.528	1092	1095	1096	rVV	1404030	1385717	10.43%	0.681%
68	8.545	1096	1098	1100	rVV	1673167	1372787	10.34%	0.675%
69	8.581	1100	1104	1107	rVV2	975301	1353873	10.19%	0.665%
70	8.628	1109	1112	1116	rVV4	1272369	1729928	13.03%	0.850%
71	8.663	1116	1118	1120	rVV	887890	740179	5.57%	0.364%

LSC Area Percent Report

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Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-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-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.716	1124	1127	1130	rBV4	364236	376478	2.83%	0.185%
73	8.763	1130	1135	1137	rVV3	888467	1105837	8.33%	0.543%
74	8.822	1142	1145	1149	rVV4	331152	412516	3.11%	0.203%
75	8.887	1149	1156	1161	rVV	5087115	6360260	47.89%	3.125%
76	8.939	1161	1165	1167	rVV2	384568	427326	3.22%	0.210%
77	8.981	1167	1172	1175	rVV	3903744	4086999	30.77%	2.008%
78	9.016	1176	1178	1181	rVV2	528522	511514	3.85%	0.251%
79	9.057	1181	1185	1188	rVV3	876950	1015845	7.65%	0.499%
80	9.110	1188	1194	1198	rVV6	779860	1102243	8.30%	0.542%
81	9.163	1198	1203	1206	rVV4	552503	782197	5.89%	0.384%
82	9.198	1206	1209	1211	rVB2	471300	453287	3.41%	0.223%
83	9.239	1211	1216	1219	rVB	4585331	4513656	33.98%	2.218%
84	9.334	1228	1232	1234	rBV3	838227	868423	6.54%	0.427%
85	9.434	1246	1249	1255	rVB	552249	665047	5.01%	0.327%
86	9.504	1255	1261	1266	rBV2	1189366	1895449	14.27%	0.931%
87	9.575	1268	1273	1276	rVV2	1037044	1343933	10.12%	0.660%
88	9.598	1276	1277	1280	rVV	574598	379966	2.86%	0.187%
89	9.775	1303	1307	1310	rVB4	286055	377367	2.84%	0.185%
90	9.816	1310	1314	1316	rBV2	376722	415651	3.13%	0.204%
91	9.916	1326	1331	1335	rVB	1639771	1508004	11.35%	0.741%
92	10.328	1398	1401	1407	rVB4	299423	471380	3.55%	0.232%
93	10.710	1462	1466	1470	rBV	2132866	2258922	17.01%	1.110%
94	11.404	1581	1584	1587	rBV	1324930	1135399	8.55%	0.558%
95	12.786	1816	1819	1823	rVB	679562	610881	4.60%	0.300%
96	12.992	1849	1854	1857	rVV	3111477	3124167	23.52%	1.535%
97	13.357	1913	1916	1920	rVB	405884	348252	2.62%	0.171%
98	13.533	1943	1946	1950	rBV	391329	367856	2.77%	0.181%
99	14.045	2030	2033	2037	rBV	869419	846696	6.37%	0.416%
100	15.545	2283	2288	2294	rVB	708595	909742	6.85%	0.447%

Sum of corrected areas: 203513576

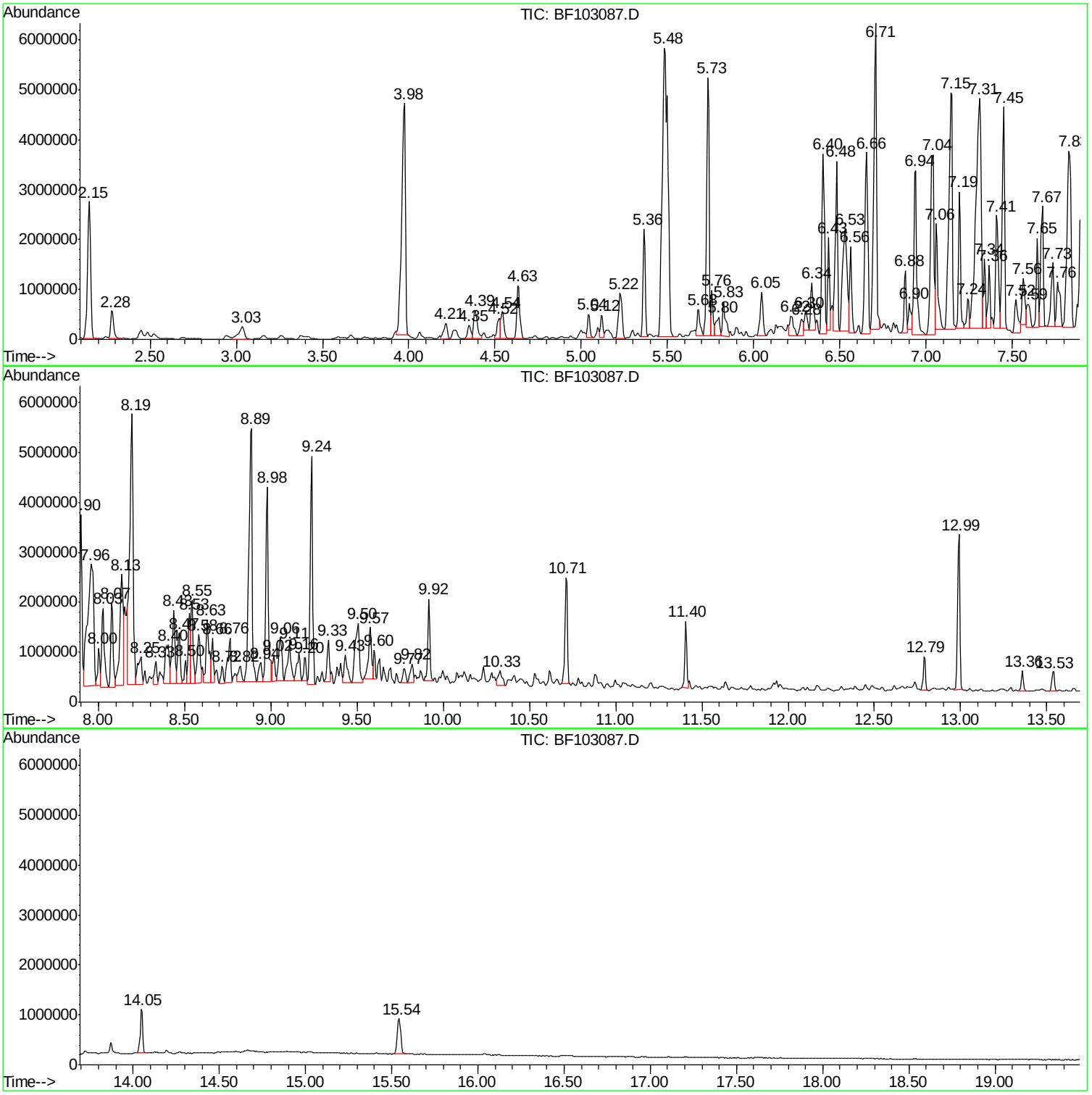
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103087.D
Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103087.D
Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

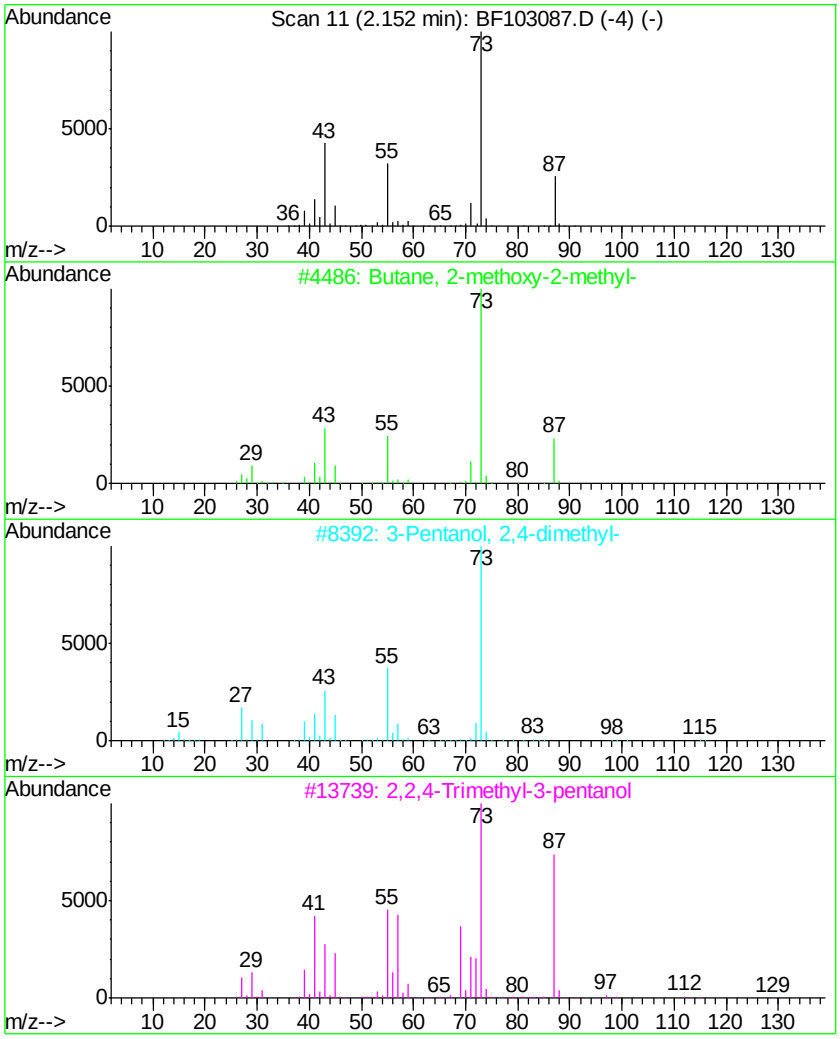
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

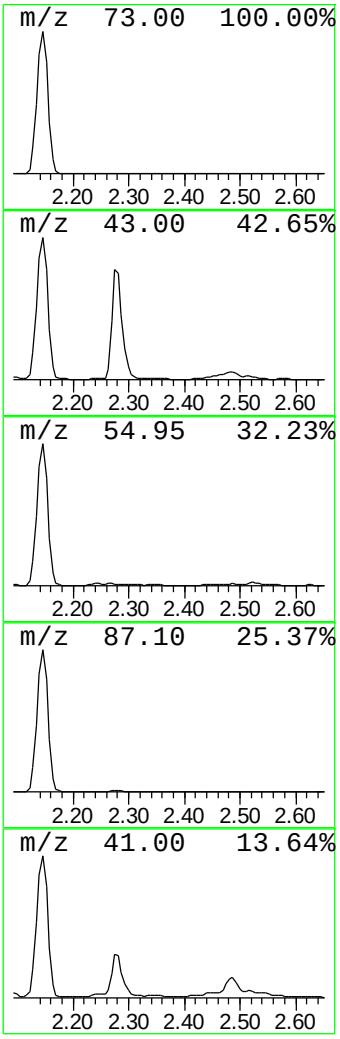
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	61.31 ng	3687130	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	28
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103087.D
Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

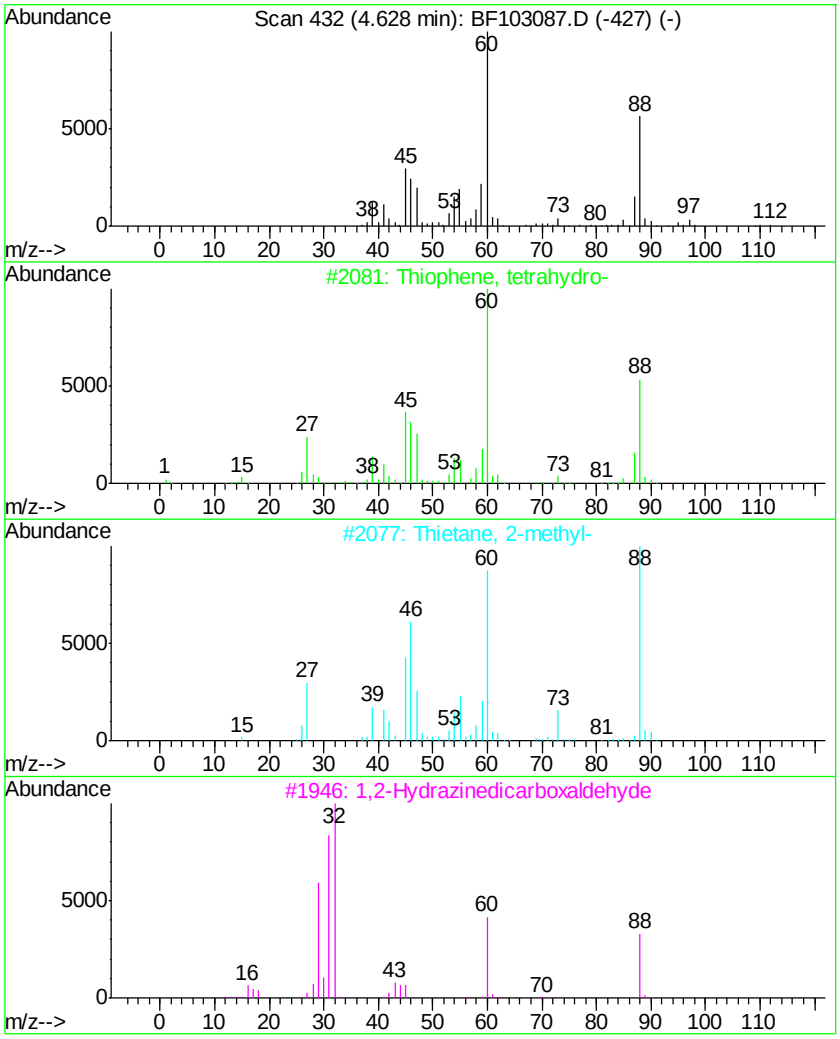
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

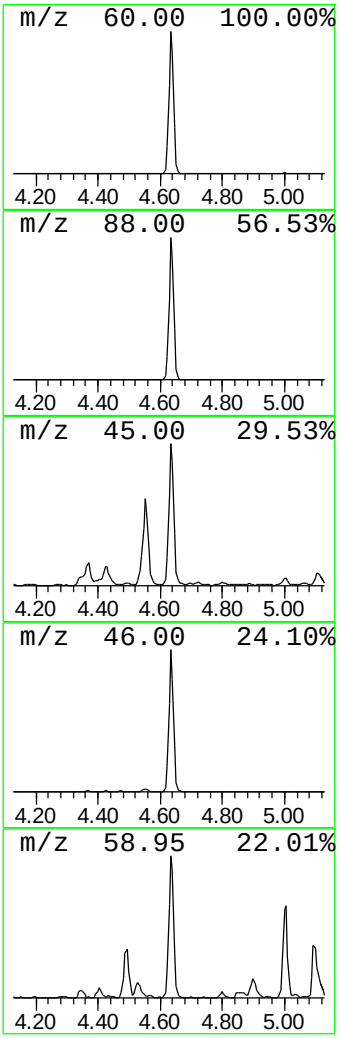
****

Peak Number 3 Thiophene, tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	21.92 ng	1318280	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	95
2	Thietane, 2-methyl-	88	C4H8S	017837-41-1	72
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	46
4	Ethylvinyl sulfide	88	C4H8S	000627-50-9	40
5	Hexanoic acid, 6-bromo-	194	C6H11BrO2	004224-70-8	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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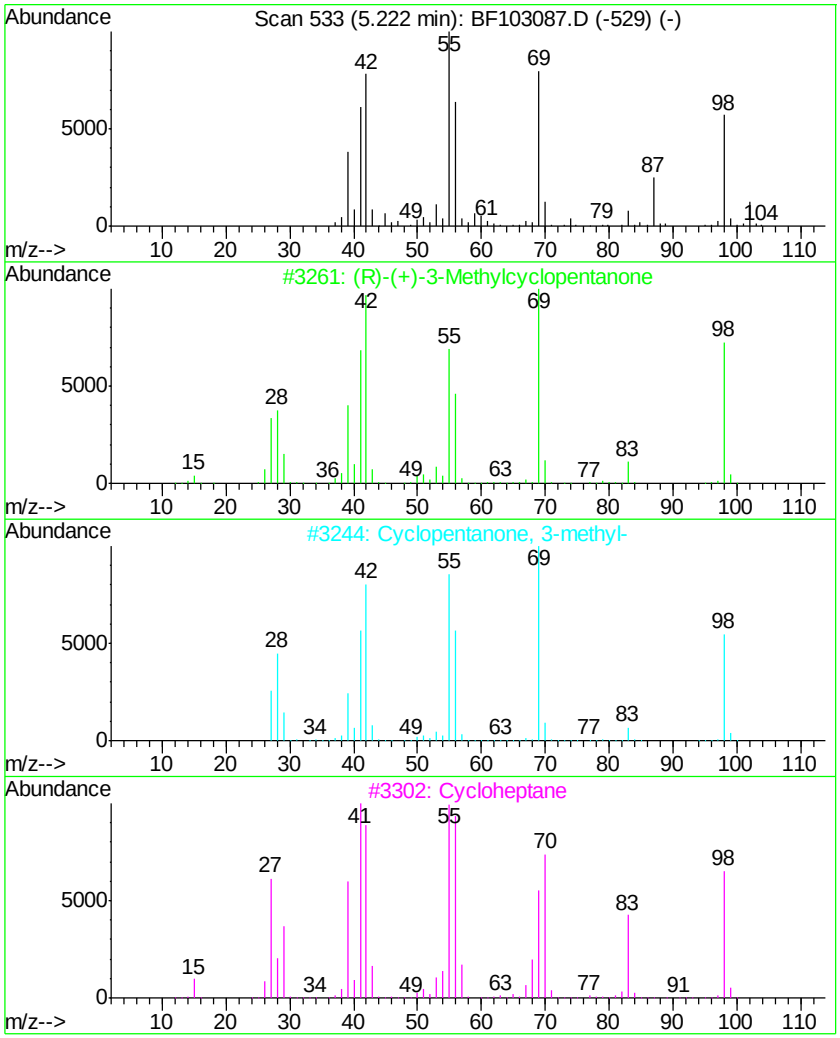
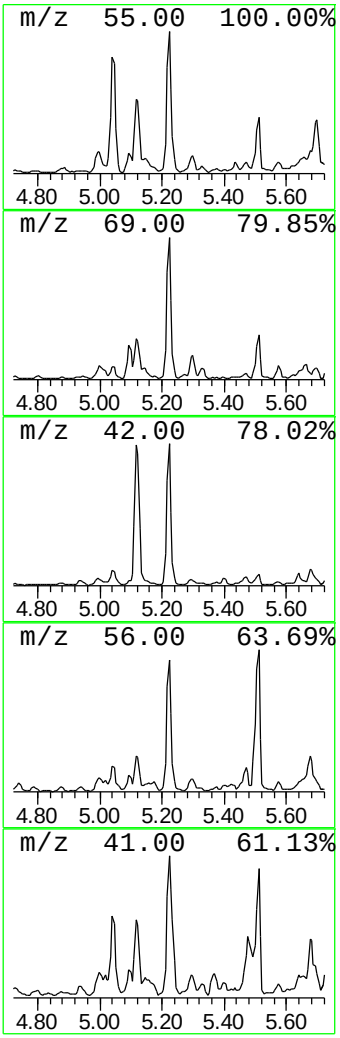
Peak Number 4 (R)-(+)-3-Methylcyclopentanone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	21.64 ng	1301710	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	81
2	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	81
3	Cycloheptane	98	C7H14	000291-64-5	49
4	Methacrylic anhydride	154	C8H10O3	000760-93-0	38
5	Cyclohexanone	98	C6H10O	000108-94-1	35





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103087.D
Acq On : 19 Feb 2018 17:24
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Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

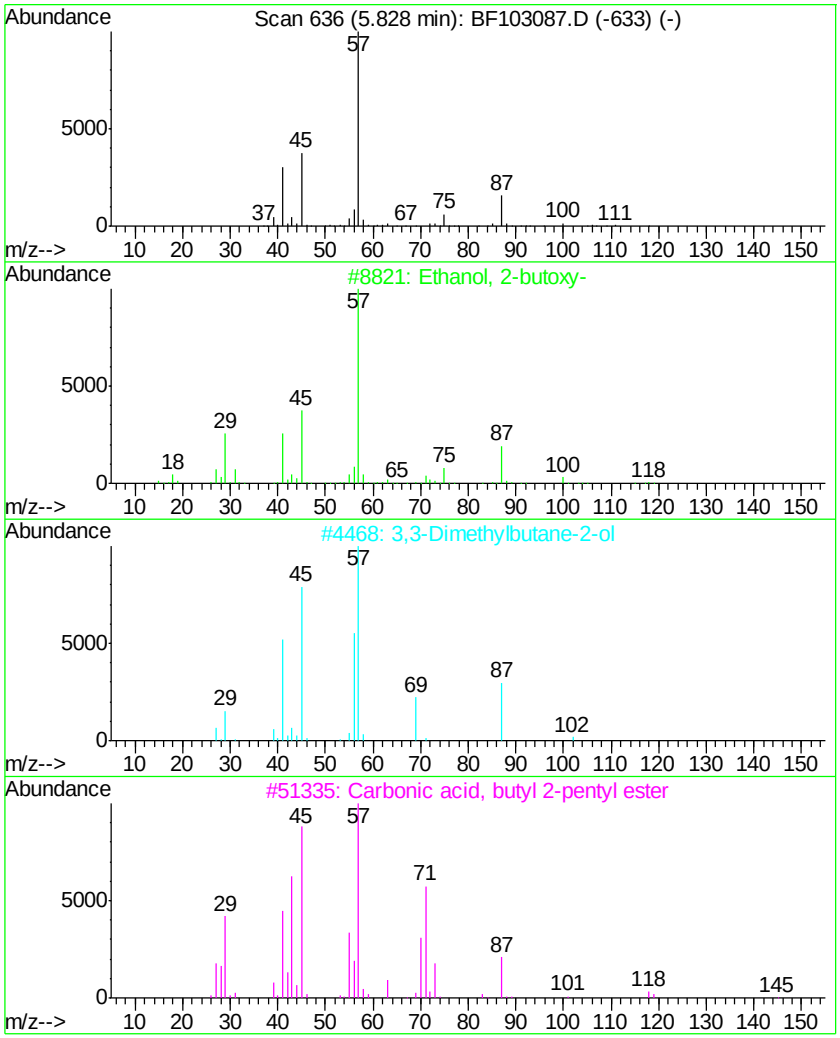
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

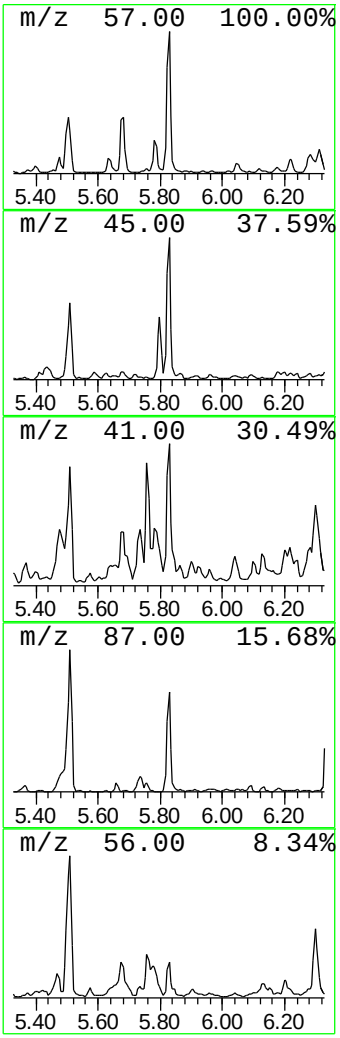
****

Peak Number 7 Ethanol, 2-butoxy- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	14.34 ng	862532	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	37
3	Carbonic acid, butyl 2-pentyl ester	188	C10H20O3	1000357-84-0	33
4	Isobutyl ether	130	C8H18O	000628-55-7	25
5	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	17





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103087.D
Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

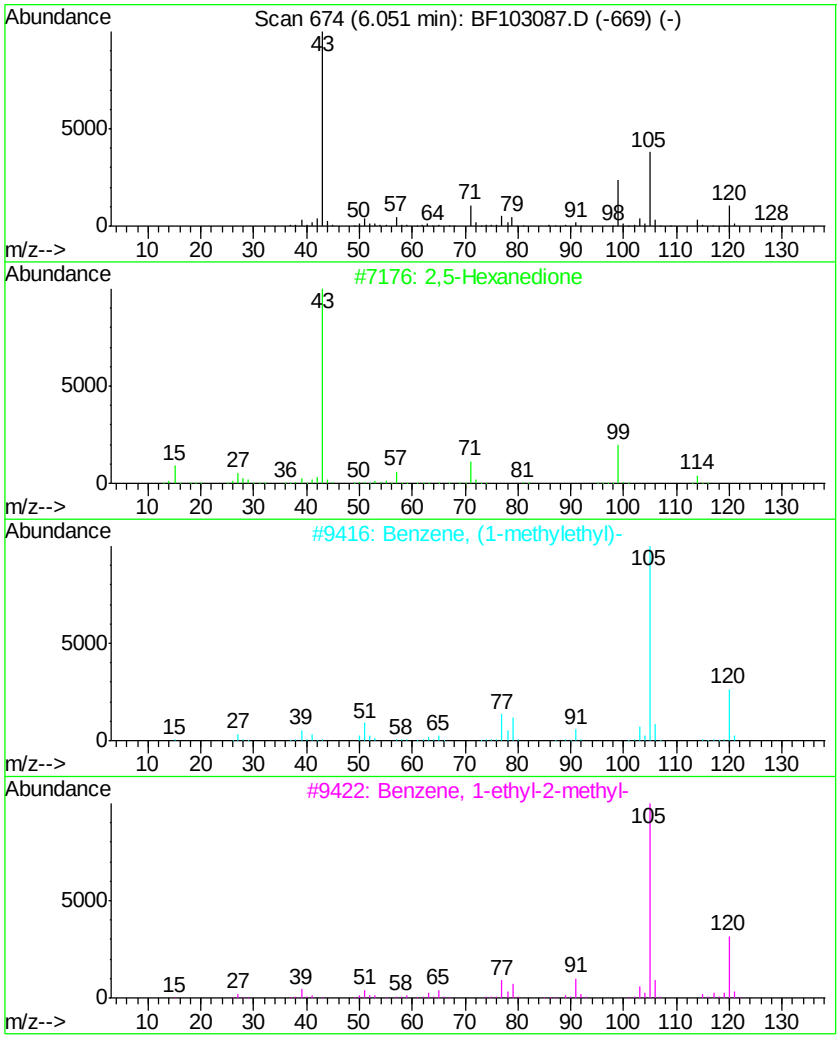
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

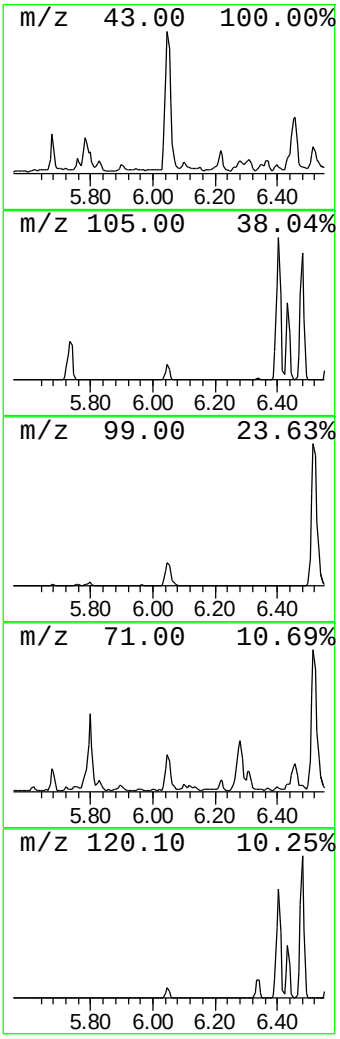
****

Peak Number 8 unknown6.05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	17.64 ng	1060910	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Hexanedione	114	C6H10O2	000110-13-4	49
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	35
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35
5	Mesitylene	120	C9H12	000108-67-8	27





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Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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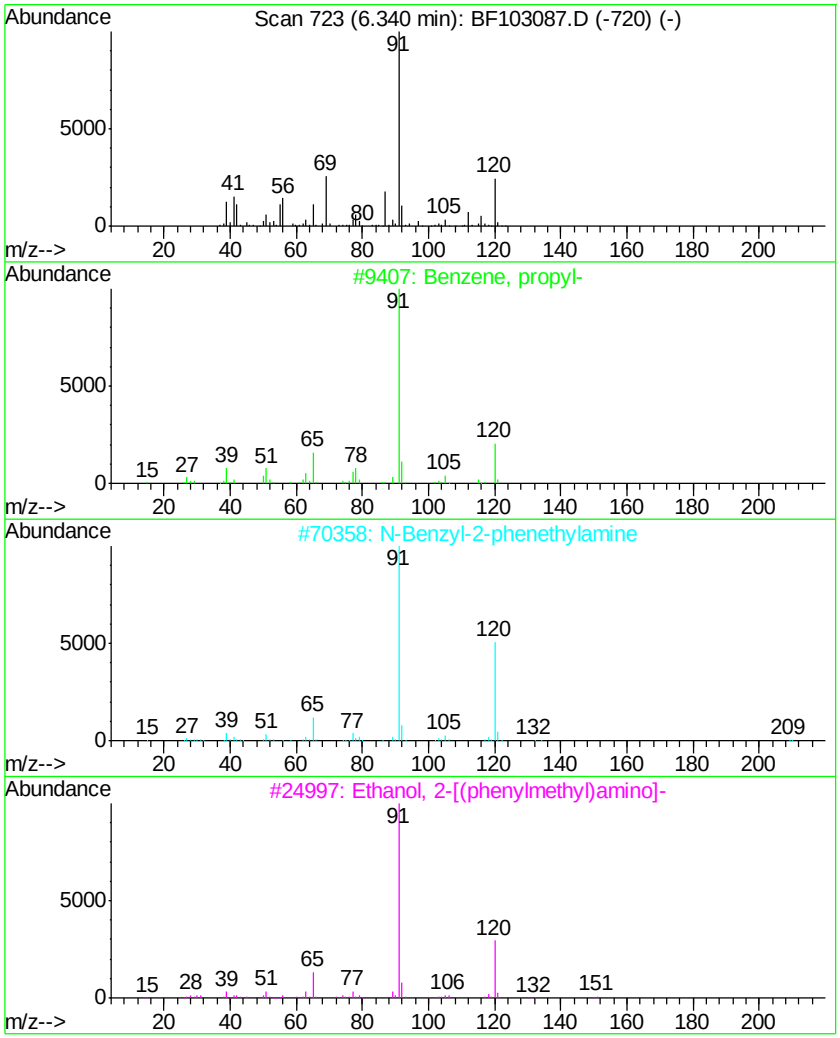
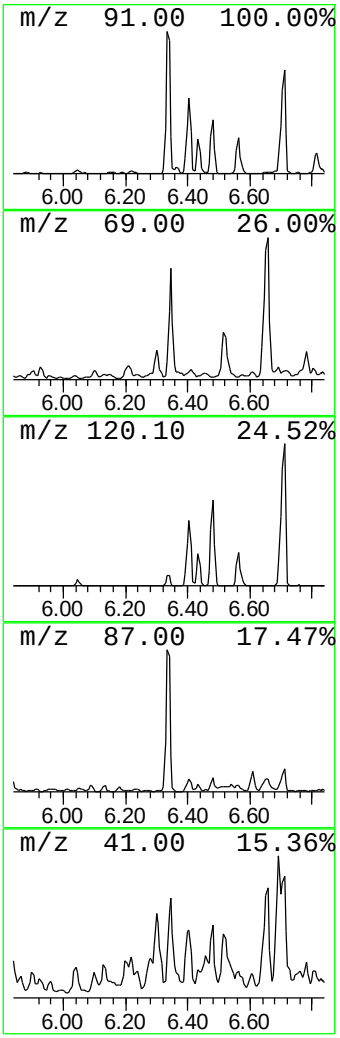
Peak Number 9 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	17.18 ng	1033520	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	60
2	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	47
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	47
4	6-Methylenebicyclo[3.2.0]hept-3-...	120	C8H8O	1000211-11-9	38
5	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	27





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Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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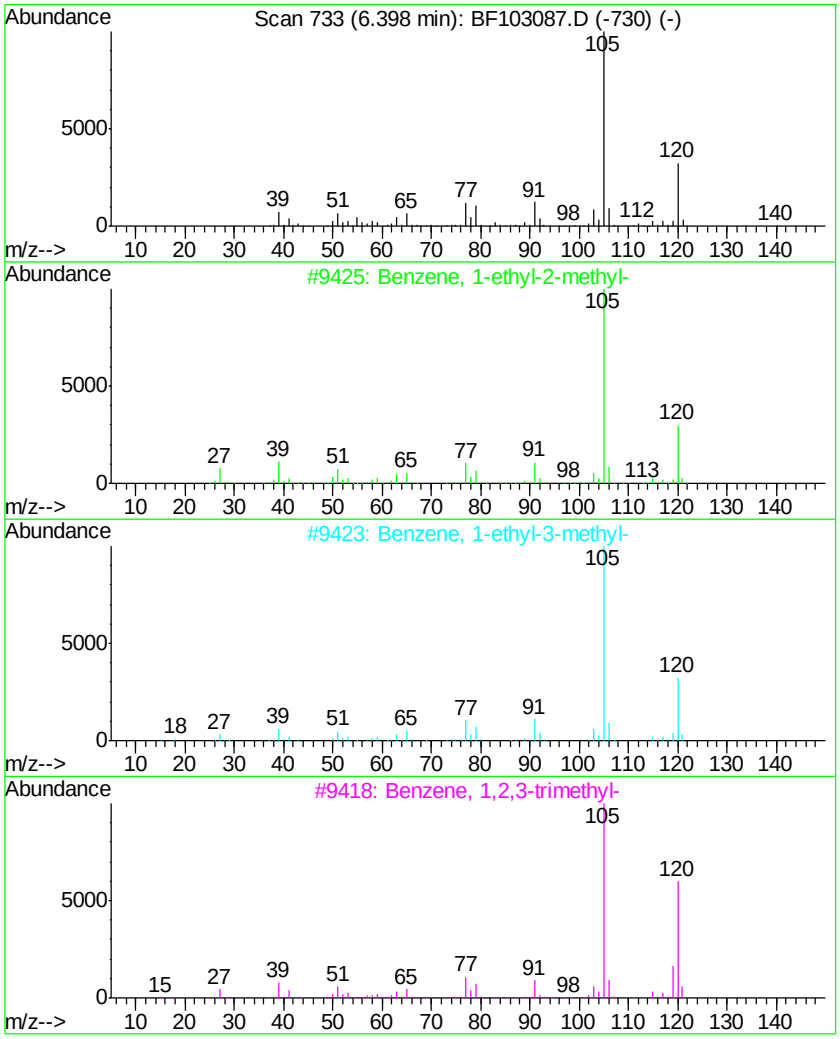
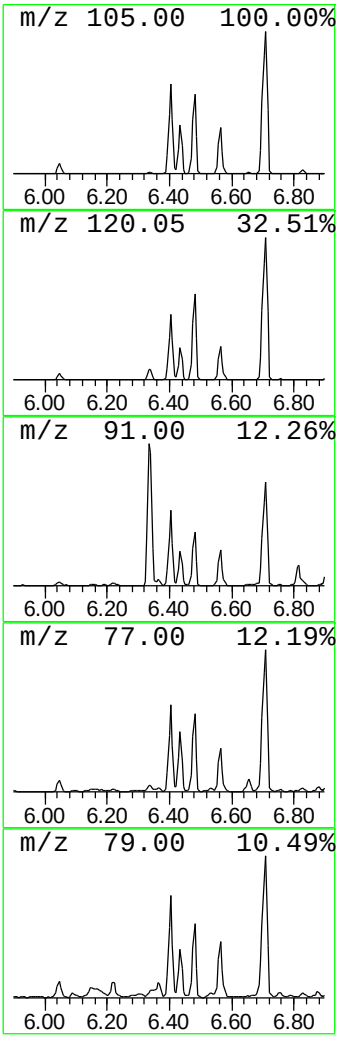
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	55.69 ng	3349570	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

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Operator : SJ/JU
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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : DRUM-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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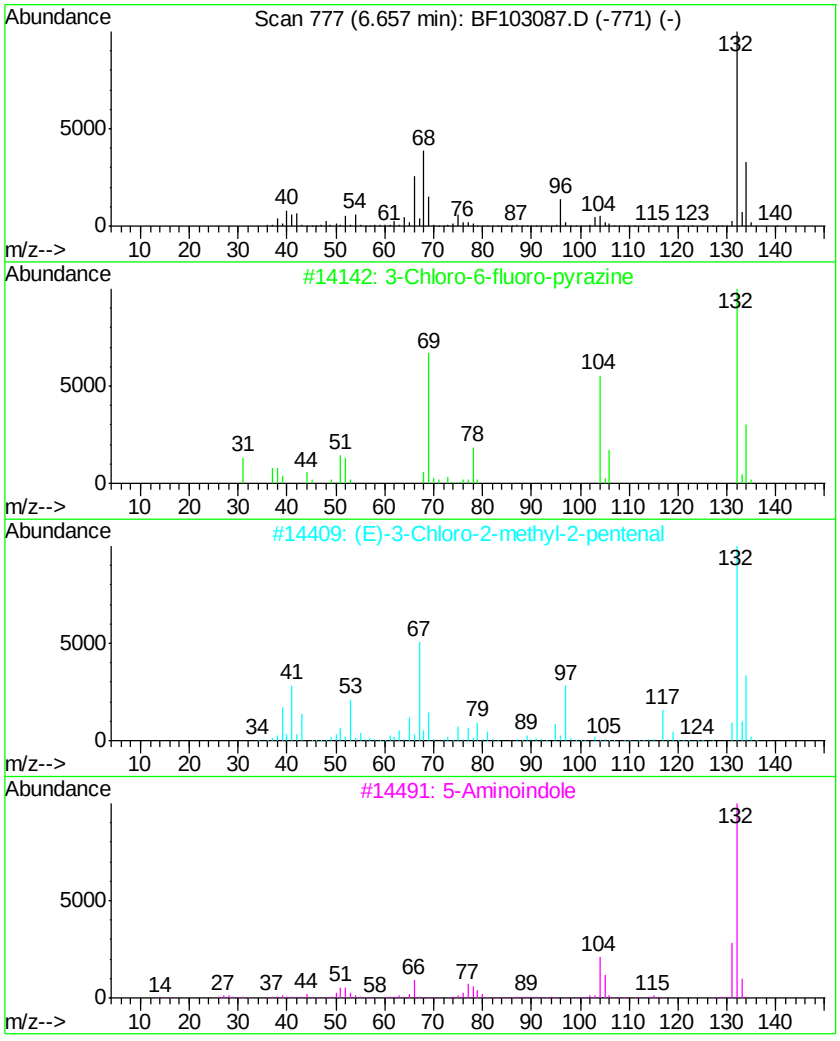
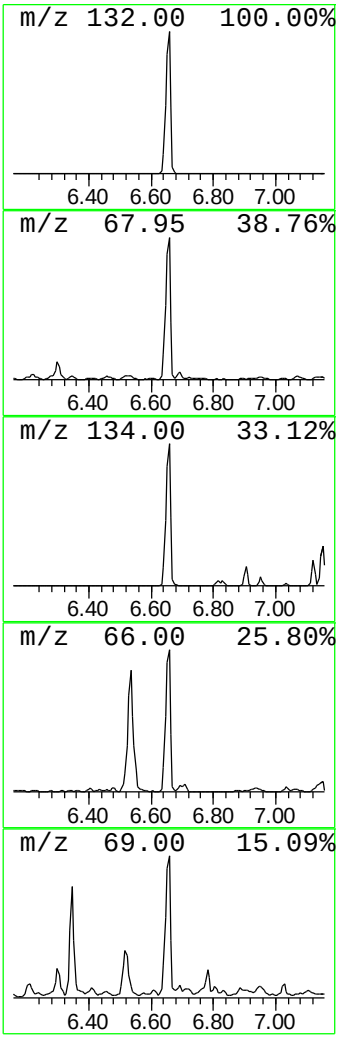
Peak Number 12 unknown6.66 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	66.74 ng	4014120	1,4-Dichlorobenzene-d4	6.88

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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Sample : J1601-02
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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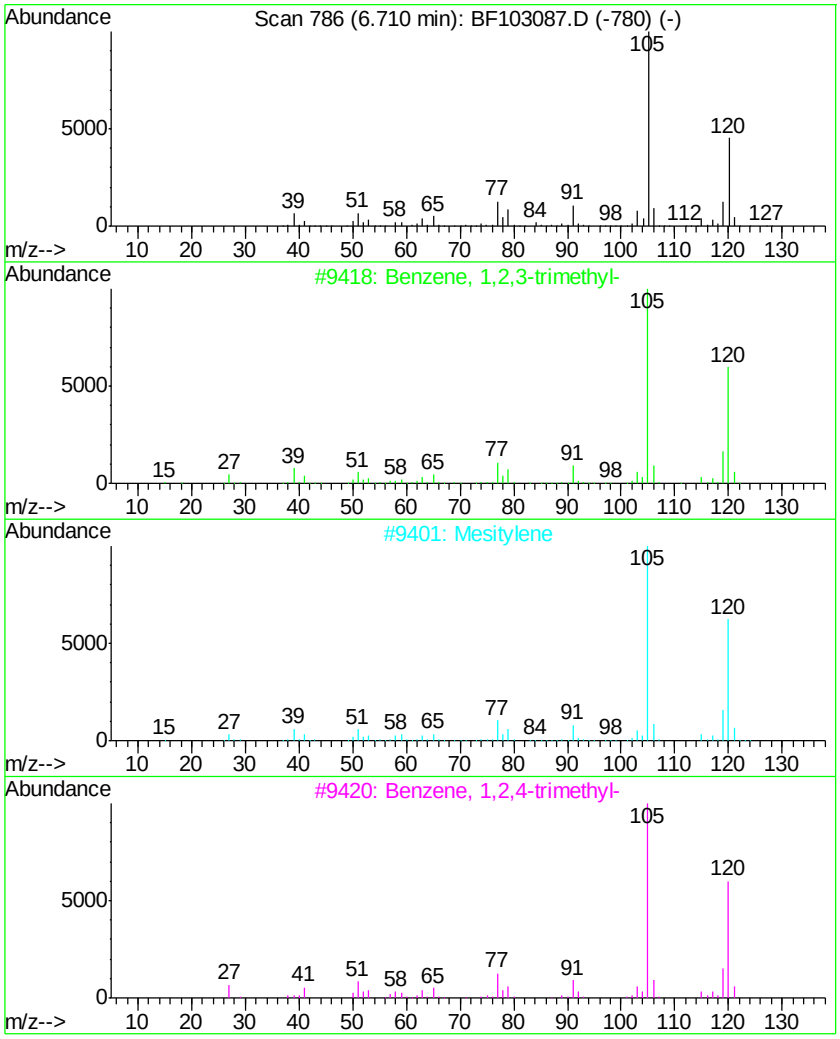
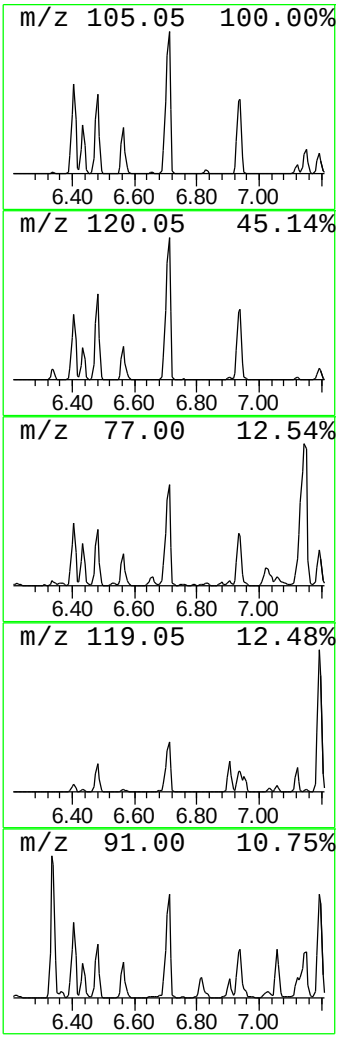
Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	123.24 ng	7411810	1,4-Dichlorobenzene-d4	6.88

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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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





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Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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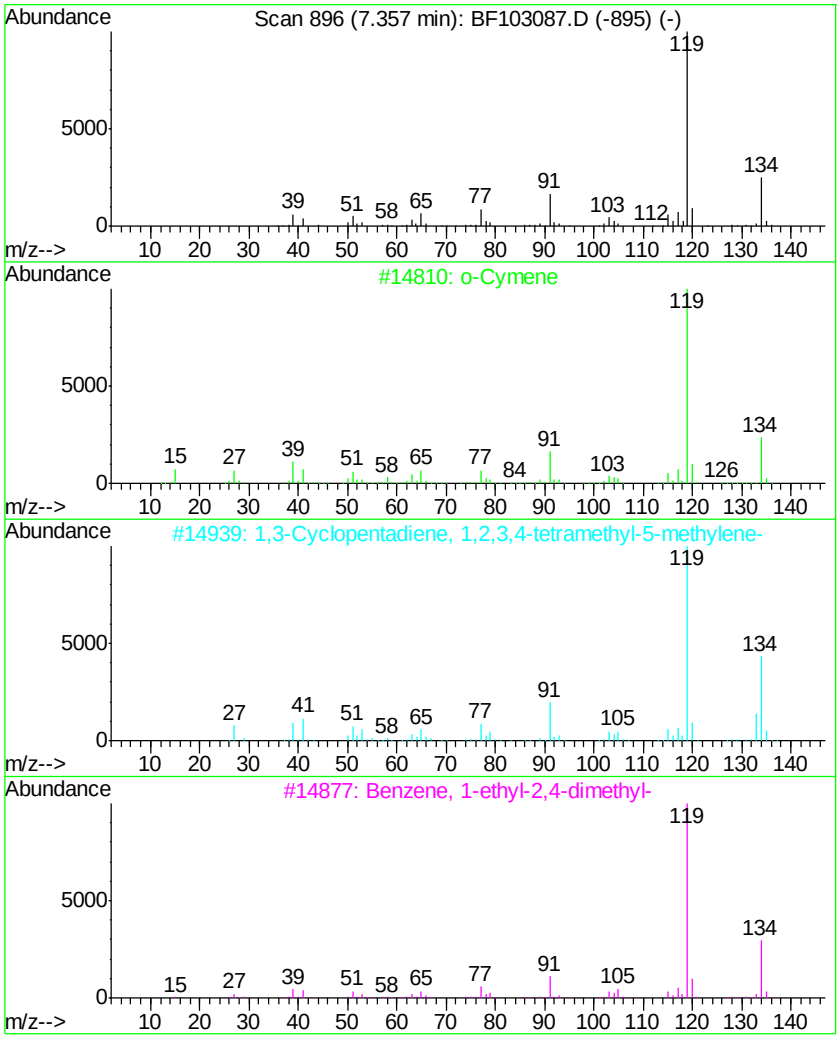
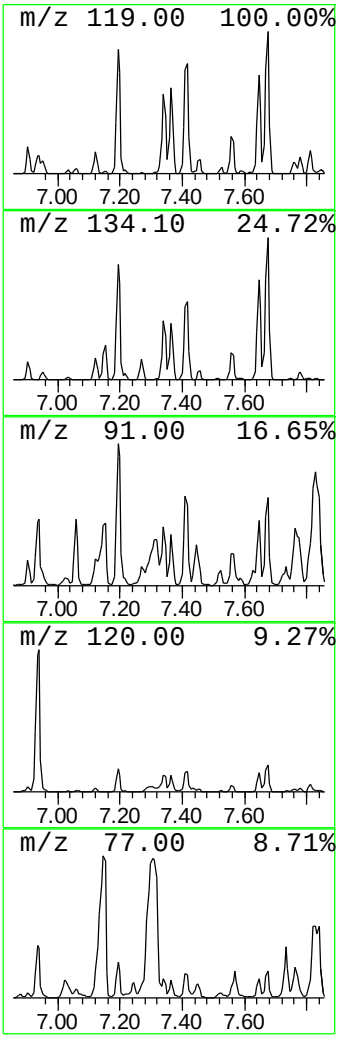
Peak Number 15 o-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	17.08 ng	1027280	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

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Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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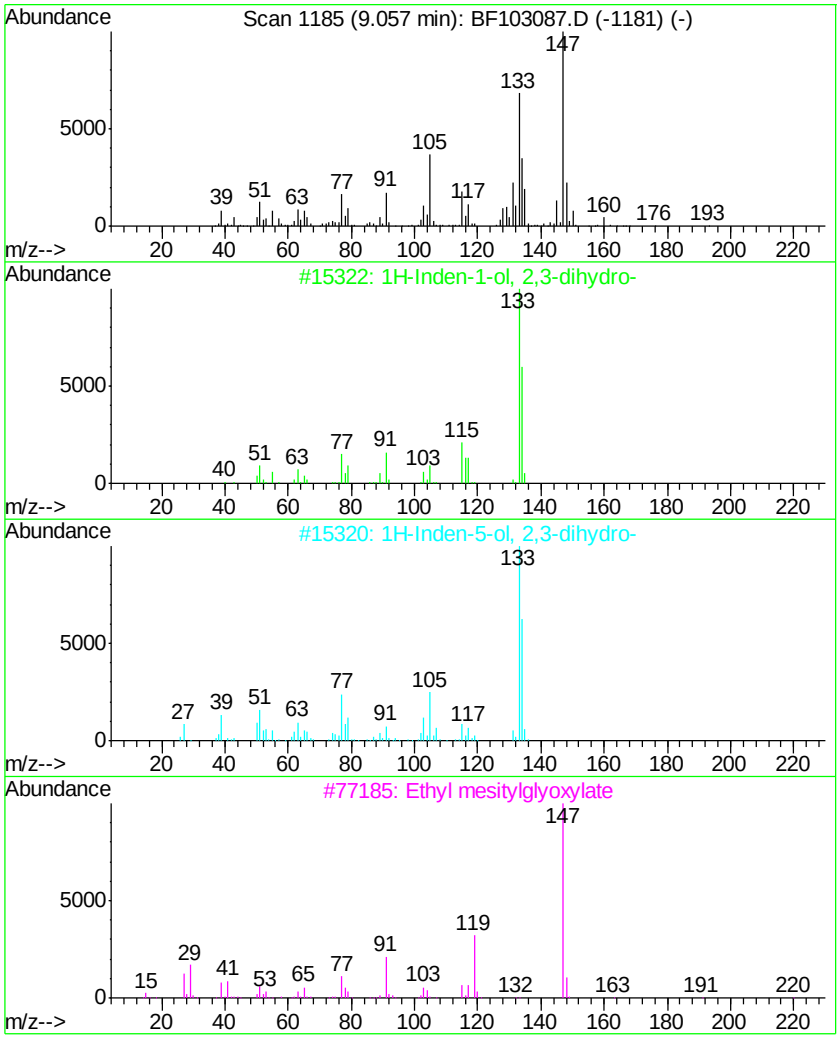
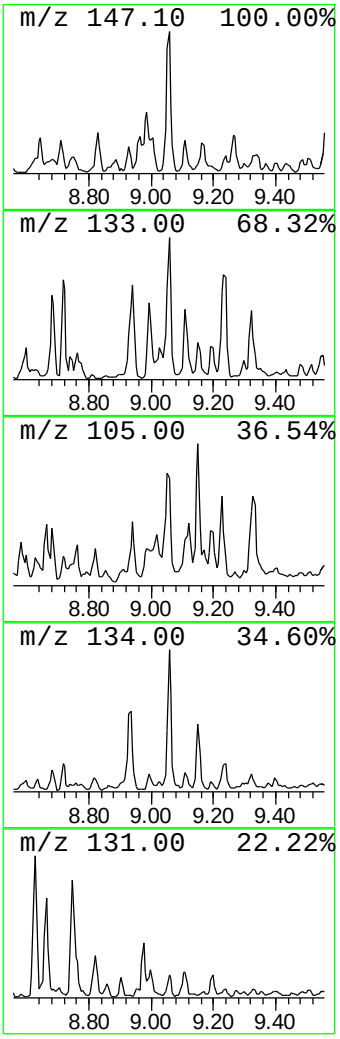
Peak Number 16 unknown9.06 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	13.47 ng	1015850	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	35
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	35
3	Ethyl mesitylglyoxylate	220	C13H16O3	005524-57-2	27
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	25
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	15





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Acq On : 19 Feb 2018 17:24
Operator : SJ/JU
Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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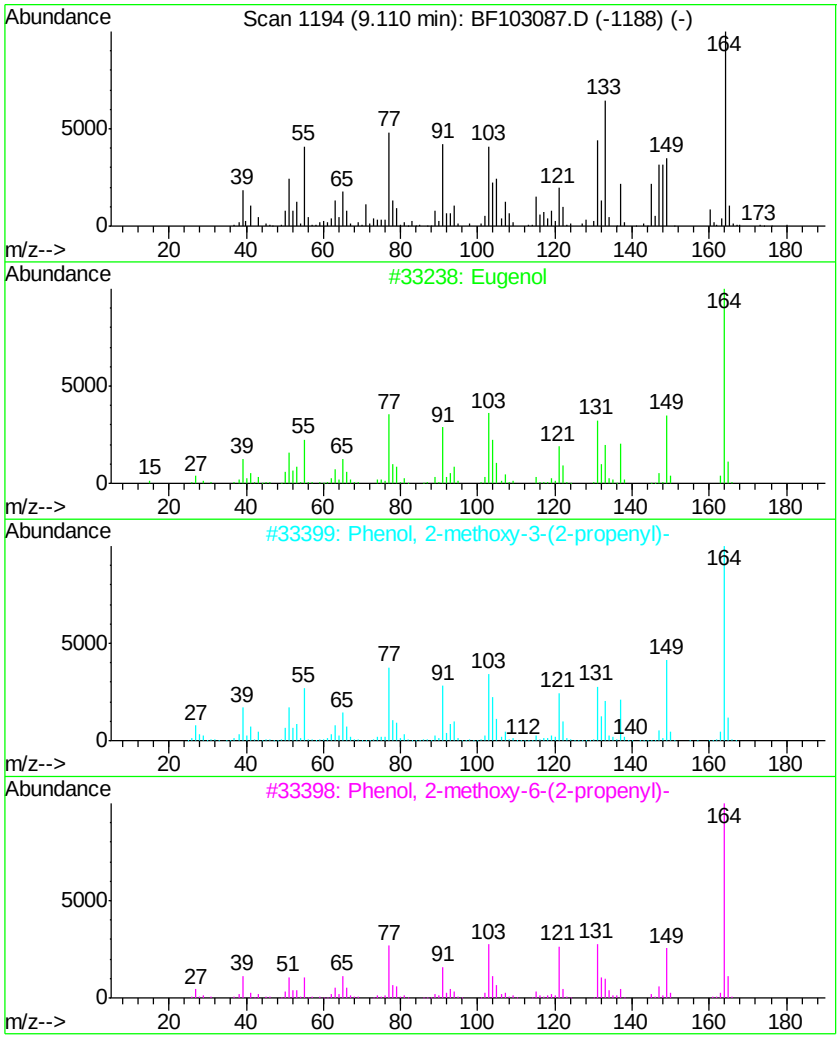
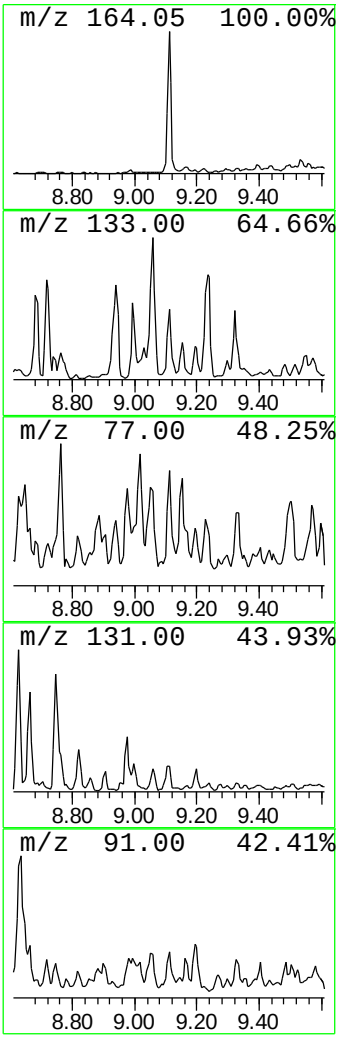
Peak Number 17 Eugenol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	14.62 ng	1102240	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eugenol	164	C10H12O2	000097-53-0	96
2	Phenol, 2-methoxy-3-(2-propenyl)-	164	C10H12O2	001941-12-4	91
3	Phenol, 2-methoxy-6-(2-propenyl)-	164	C10H12O2	000579-60-2	64
4	Phenol, 2-methoxy-6-(1-propenyl)-	164	C10H12O2	001076-55-7	64
5	Phenol, 2-methoxy-4-(1-propenyl)-	164	C10H12O2	000097-54-1	60





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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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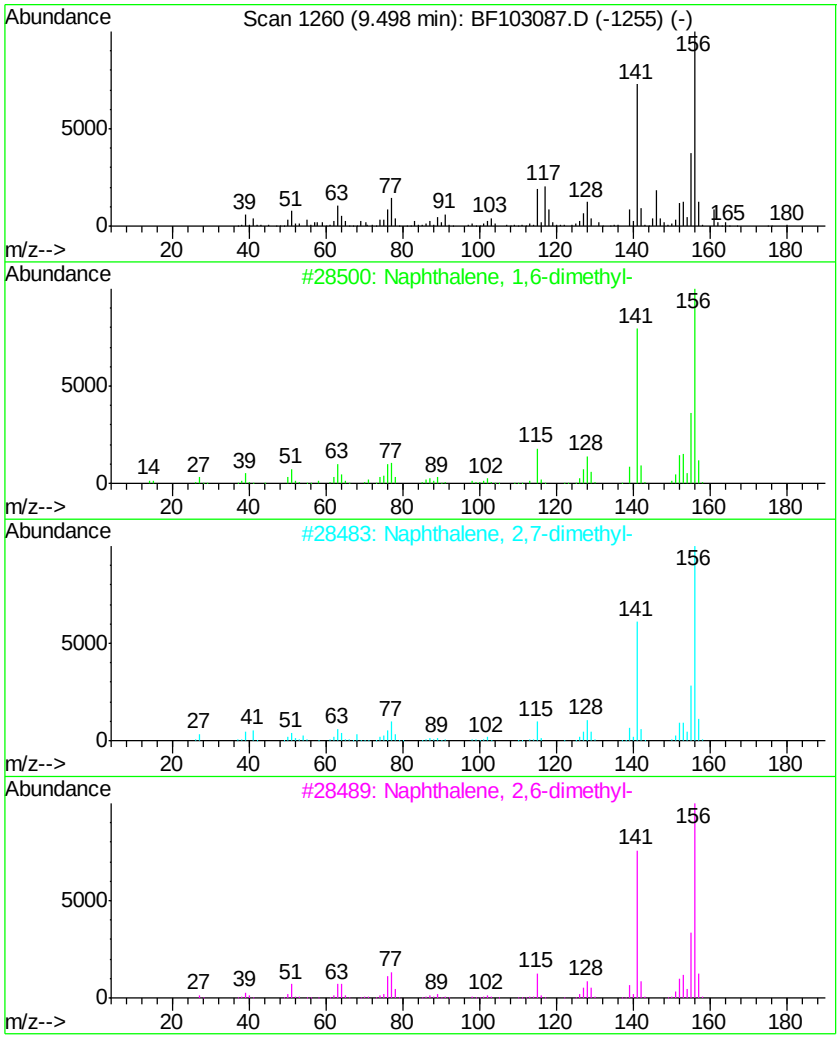
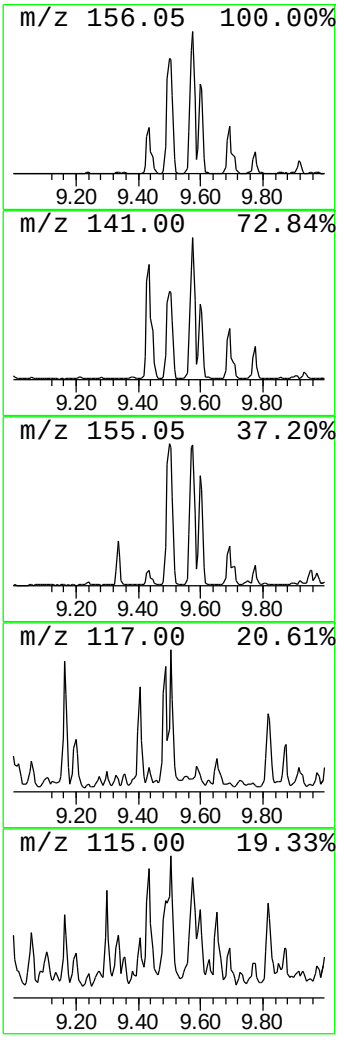
Peak Number 18 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	25.14 ng	1895450	Acenaphthene-d10	9.92

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





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Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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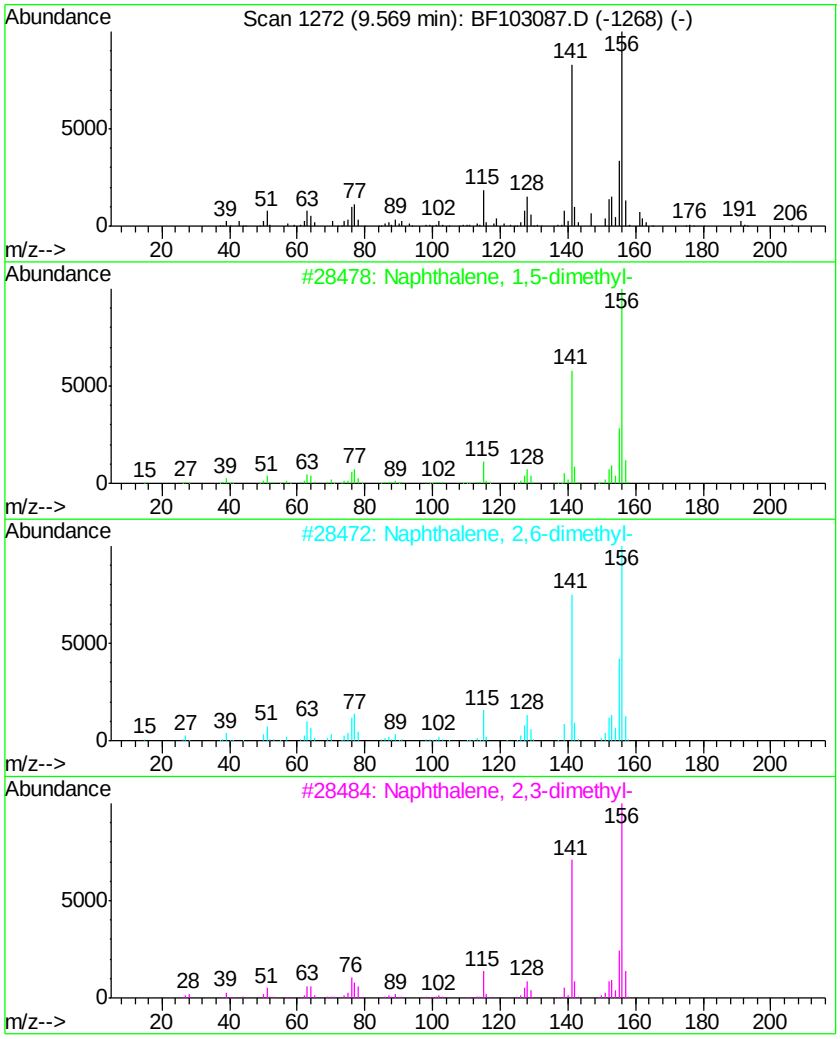
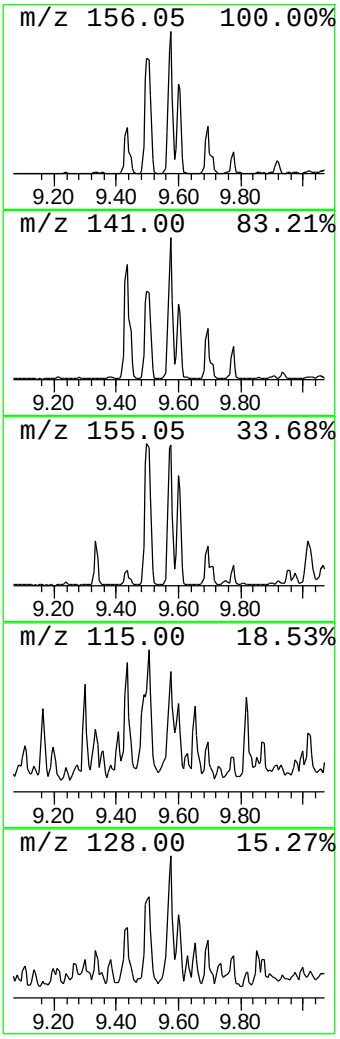
Peak Number 19 Naphthalene, 1,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	17.82 ng	1343930	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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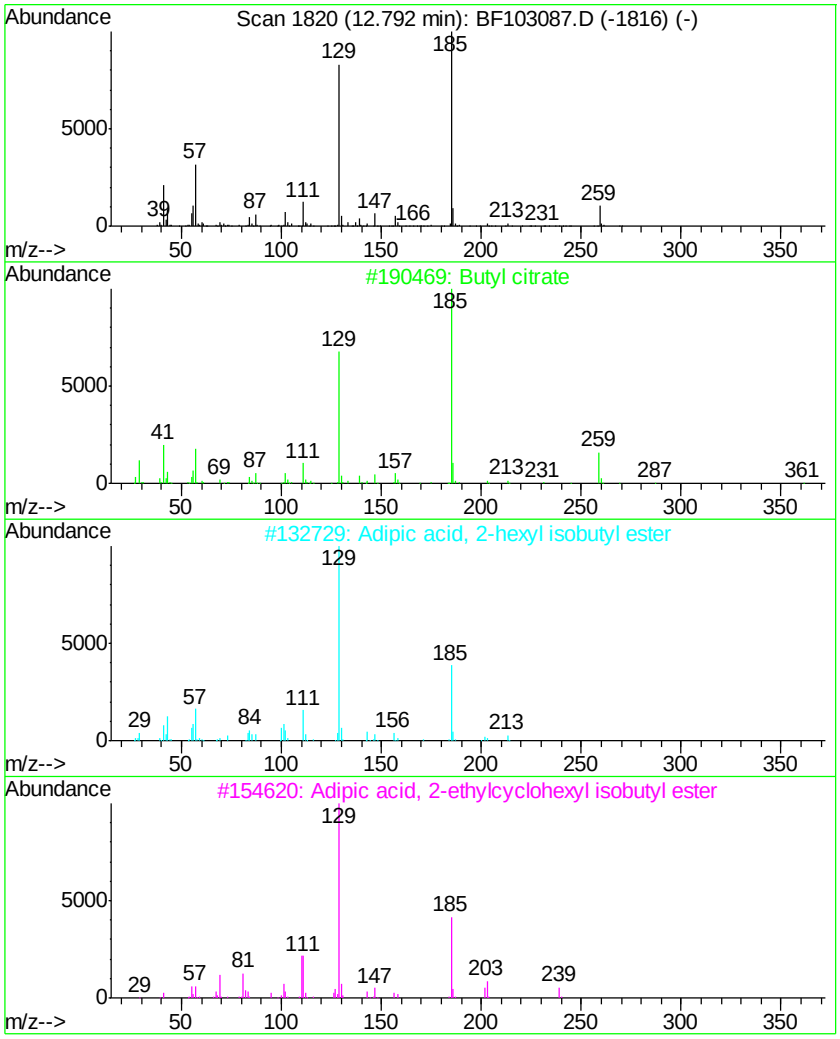
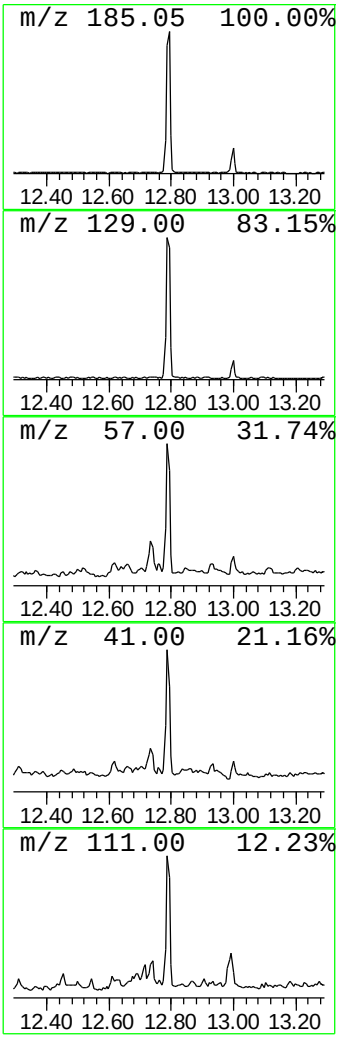
Peak Number 20 Butyl citrate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	14.43 ng	610881	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl citrate	360	C18H32O7	000077-94-1	91
2	Adipic acid, 2-hexyl isobutyl ester	286	C16H30O4	1000353-70-9	78
3	Adipic acid, 2-ethylcyclohexyl i...	312	C18H32O4	1000324-22-5	72
4	Adipic acid, isobutyl 2-pentyl e...	272	C15H28O4	1000324-15-6	72
5	Adipic acid, 4-heptyl isobutyl e...	300	C17H32O4	1000349-73-6	72





Tentatively Identified Compound (LSC) summary

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Sample : J1601-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
Butane, 2-methoxy...	2.15	61.3	ng	3687130	1	6.88	1202840	20.0
Thiophene, tetrah...	4.63	21.9	ng	1318280	1	6.88	1202840	20.0
(R)-(+)-3-Methylc...	5.22	21.6	ng	1301710	1	6.88	1202840	20.0
Ethanol, 2-butoxy-	5.83	14.3	ng	862532	1	6.88	1202840	20.0
unknown6.05	6.05	17.6	ng	1060910	1	6.88	1202840	20.0
Benzene, propyl-	6.34	17.2	ng	1033520	1	6.88	1202840	20.0
Benzene, 1-ethyl-...	6.40	55.7	ng	3349570	1	6.88	1202840	20.0
unknown6.66	6.66	66.7	ng	4014120	1	6.88	1202840	20.0
Benzene, 1,2,3-tr...	6.71	123.2	ng	7411810	1	6.88	1202840	20.0
o-Cymene	7.36	17.1	ng	1027280	1	6.88	1202840	20.0
unknown9.06	9.06	13.5	ng	1015850	3	9.92	1508000	20.0
Eugenol	9.11	14.6	ng	1102240	3	9.92	1508000	20.0
Naphthalene, 1,6-...	9.50	25.1	ng	1895450	3	9.92	1508000	20.0
Naphthalene, 1,5-...	9.57	17.8	ng	1343930	3	9.92	1508000	20.0
Butyl citrate	12.79	14.4	ng	610881	5	14.05	846696	20.0