LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

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-BF121417.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	5.228	529	534	536	rBV	270699	274829	4.36%	0.246%
2	5.334	548	552	563	rVV2	583527	870573	13.82%	0.778%
3	5.422	563	567	574	rVV3	227042	518303	8.23%	0.463%
4	5.510	578	582	587	rVV3	180918	294302	4.67%	0.263%
5	5.598	592	597	602	rVV	477131	549848	8.73%	0.491%
6	5.651	602	606	613	rVB	2163342	2031013	32.23%	1.815%
7	5.769	623	626	629	rVB	243632	261357	4.15%	0.233%
8	5.816	629	634	636	rBV3	220367	327572	5.20%	0.293%
9	5.893	645	647	651	rVV2	379886	438334	6.96%	0.392%
10	5.993	659	664	670	rBV2	1183336	1691482	26.84%	1.511%
11	6.051	670	674	676	rVB	561810	531341	8.43%	0.475%
12	6.187	692	697	700	rBV2	677631	818871	13.00%	0.732%
13	6.228	700	704	706	rBV2	668723	881820	13.99%	0.788%
14	6.251	706	708	710	rVB	1198818	901804	14.31%	0.806%
15	6.281	710	713	717	rBV2	2349639	2631018	41.75%	2.351%
16	6.316	717	719	721	rVV	516266	475194	7.54%	0.425%
17	6.340	721	723	725	rVV	1296181	987241	15.67%	0.882%
18	6.363	725	727	731	rVB	886993	765679	12.15%	0.684%
19	6.445	739	741	745	rVB2	927855	825414	13.10%	0.737%
20	6.492	745	749	754	rBV6	458377	852095	13.52%	0.761%
21	6.551	757	759	762	rVV3	309006	315669	5.01%	0.282%
22	6.592	762	766	772	rVB3	4652894	6301327	100.00%	5.630%
23	6.692	776	783	785	rBV5	320406	544606	8.64%	0.487%
24	6.716	785	787	789	rBV	426819	357532	5.67%	0.319%
25	6.734	789	790	793	rVV2	369794	374175	5.94%	0.334%
26	6.769	793	796	798	rVV2	1668165	1623128	25.76%	1.450%
27	6.822	801	805	807	rVV2	854783	961676	15.26%	0.859%
28	6.869	810	813	815	rVB	477689	439313	6.97%	0.392%
29	6.898	815	818	822	rBV2	1234715	1411773	22.40%	1.261%
30	6.934	822	824	830	rVB4	589263	808471	12.83%	0.722%
31	6.981	830	832	834	rBV3	392844	348764	5.53%	0.312%
32	7.034	834	841	843	rBV4	1782032	2436734	38.67%	2.177%
33	7.057	843	845	847	rVV	993680	765478	12.15%	0.684%
34	7.092	847	851	855	rVB2	1931810	2804821	44.51%	2.506%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.140	855	859	864	rBV3	1692278	2457798	39.00%	2.196%
36	7.181	864	866	871	rVB3	348649	458398	7.27%	0.410%
37	7.228	871	874	876	rBV	959417	826390	13.11%	0.738%
38	7.251	876	878	880	rBV	775400	532186	8.45%	0.475%
39	7.298	883	886	889	rVB2	1120706	1058826	16.80%	0.946%
40	7.357	889	896	899	rVB	4380112	6082849	96.53%	5.434%
41	7.404	899	904	907	rBV7	835720	1283881	20.37%	1.147%
42	7.451	907	912	918	rBV6	806506	1535186	24.36%	1.372%
43	7.510	920	922	924	rVB2	346046	272560	4.33%	0.244%
44	7.534	924	926	929	rBV	1156881	986826	15.66%	0.882%
45	7.563	929	931	934	rVB2	989788	793270	12.59%	0.709%
46	7.657	940	947	950	rBV5	969684	1806802	28.67%	1.614%
47	7.722	952	958	961	rVB3	1393335	1901204	30.17%	1.699%
48	7.751	961	963	966	rBV2	1090850	1085093	17.22%	0.969%
49	7.787	966	969	972	rVV2	2209057	2095675	33.26%	1.872%
50	7.810	972	973	975	rVV	413025	340020	5.40%	0.304%
51	7.834	975	977	979	rVB	1179426	760650	12.07%	0.680%
52	7.863	979	982	984	rVB2	673680	744369	11.81%	0.665%
53	7.887	984	986	988	rVB	681186	463878	7.36%	0.414%
54	7.916	988	991	993	rVB	710312	628237	9.97%	0.561%
55	7.945	993	996	998	rBV	304794	275182	4.37%	0.246%
56	7.992	998	1004	1005	rBV4	534870	803980	12.76%	0.718%
57	8.028	1005	1010	1013	rVV	3944190	4571292	72.54%	4.084%
58	8.057	1013	1015	1019	rVV2	794850	1098104	17.43%	0.981%
59	8.098	1019	1022	1025	rVB2	2252068	2051897	32.56%	1.833%
60	8.128	1025	1027	1030	rBV3	573234	760458	12.07%	0.679%
61	8.192	1035	1038	1040	rBV2	433970	559685	8.88%	0.500%
62	8.245	1044	1047	1049	rVV2	1006289	965960	15.33%	0.863%
63	8.292	1053	1055	1057	rVV2	382364	444175	7.05%	0.397%
64	8.334	1058	1062	1067	rVV5	1541905	2487392	39.47%	2.222%
65	8.381	1067	1070	1074	rVV4	1039479	1287349	20.43%	1.150%
66	8.416	1074	1076	1080	rVV2	1349341	1414295	22.44%	1.264%
67	8.457	1080	1083	1085	rVV	2350629	2088712	33.15%	1.866%
68	8.481	1085	1087	1092	rVV3	577541	791988	12.57%	0.708%
69	8.551	1095	1099	1101	rBV	1106409	966259	15.33%	0.863%
70	8.575	1101	1103	1106	rVV3	451105	471223	7.48%	0.421%
71	8.634	1106	1113	1116	rVV	3840202	4366005	69.29%	3.901%

LSC Area Percent Report

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Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.675	1116	1120	1121	rVV4	434921	666803	10.58%	0.596%
73	8.710	1124	1126	1132	rVB3	810169	1269602	20.15%	1.134%
74	8.822	1141	1145	1147	rBV4	244280	299822	4.76%	0.268%
75	8.869	1150	1153	1157	rBV3	852684	836710	13.28%	0.748%
76	8.910	1157	1160	1162	rBV2	780256	748678	11.88%	0.669%
77	8.992	1171	1174	1176	rBV2	1073656	966479	15.34%	0.863%
78	9.034	1178	1181	1182	rVV	721173	634316	10.07%	0.567%
79	9.057	1182	1185	1187	rVV	1411358	1144932	18.17%	1.023%
80	9.081	1187	1189	1192	rVB2	282343	268452	4.26%	0.240%
81	9.128	1194	1197	1200	rBV	547727	553207	8.78%	0.494%
82	9.192	1204	1208	1211	rBV	3068839	3136831	49.78%	2.802%
83	9.233	1213	1215	1219	rVV3	479739	591641	9.39%	0.529%
84	9.269	1219	1221	1224	rVV4	529451	487114	7.73%	0.435%
85	9.469	1253	1255	1258	rVB3	341374	292499	4.64%	0.261%
86	9.510	1258	1262	1264	rBV4	914743	1129500	17.92%	1.009%
87	9.528	1264	1265	1270	rVB3	423165	423395	6.72%	0.378%
88	9.722	1295	1298	1302	rVV	2025551	1696235	26.92%	1.515%
89	9.810	1310	1313	1317	rVB	756451	779271	12.37%	0.696%
90	10.039	1349	1352	1356	rVV3	301718	433443	6.88%	0.387%
91	10.216	1379	1382	1385	rVV	1126963	925566	14.69%	0.827%
92	10.433	1414	1419	1422	rBV	292457	360507	5.72%	0.322%
93	10.686	1459	1462	1467	rBV	592779	641059	10.17%	0.573%
94	11.298	1563	1566	1570	rBV	651026	673779	10.69%	0.602%
95	11.669	1625	1629	1632	rVB	573095	488083	7.75%	0.436%
96	12.351	1741	1745	1747	rBV2	1827902	1688375	26.79%	1.508%
97	12.374	1747	1749	1758	rVV2	1173618	1074598	17.05%	0.960%
98	12.874	1832	1834	1839	rVB	397672	374125	5.94%	0.334%
99	13.951	2013	2017	2021	rBV	679947	765664	12.15%	0.684%
100	15.421	2263	2267	2273	rBV	469685	640383	10.16%	0.572%

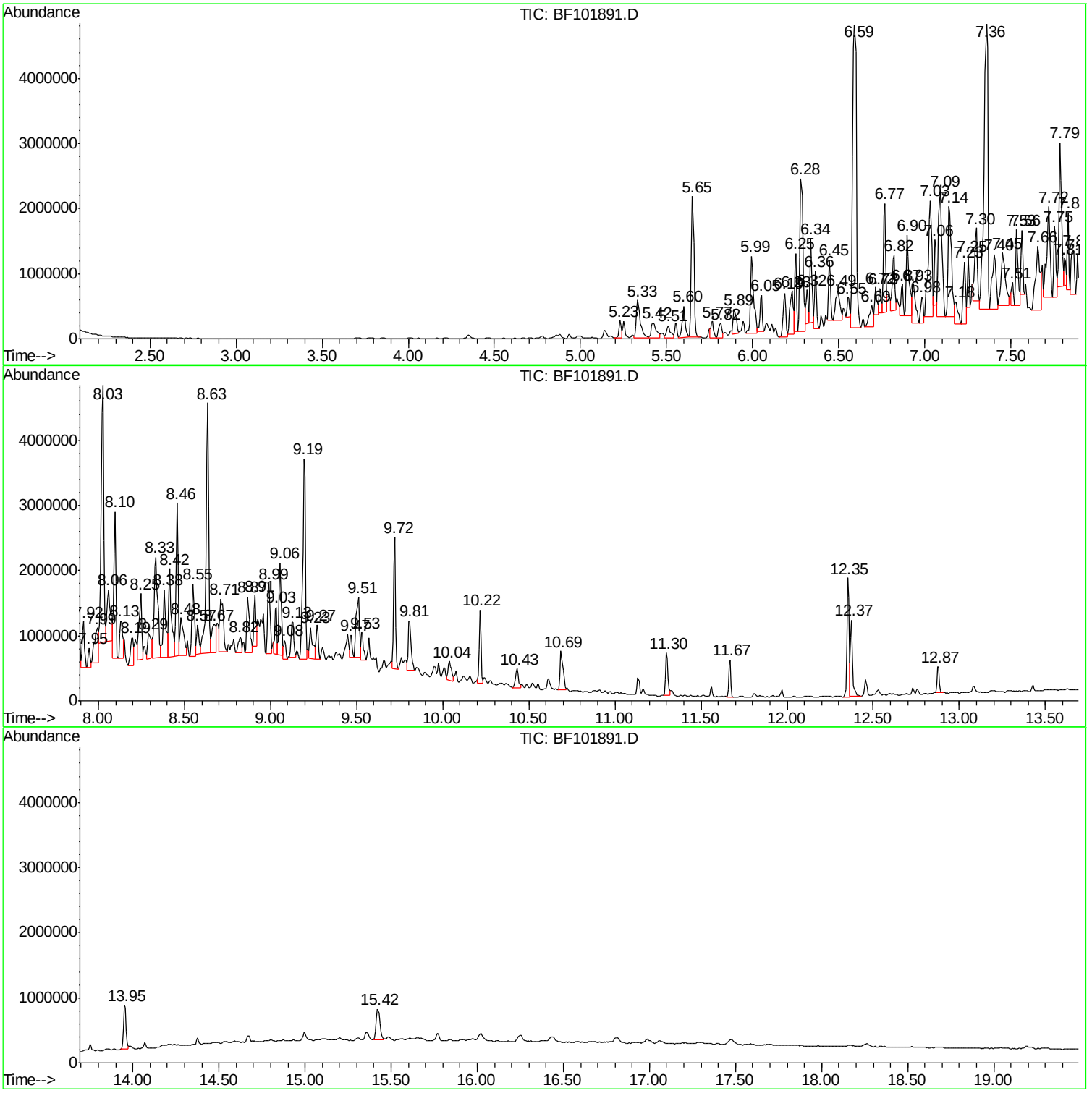
Sum of corrected areas: 111930680

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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\BF010418\
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Sample : J1011-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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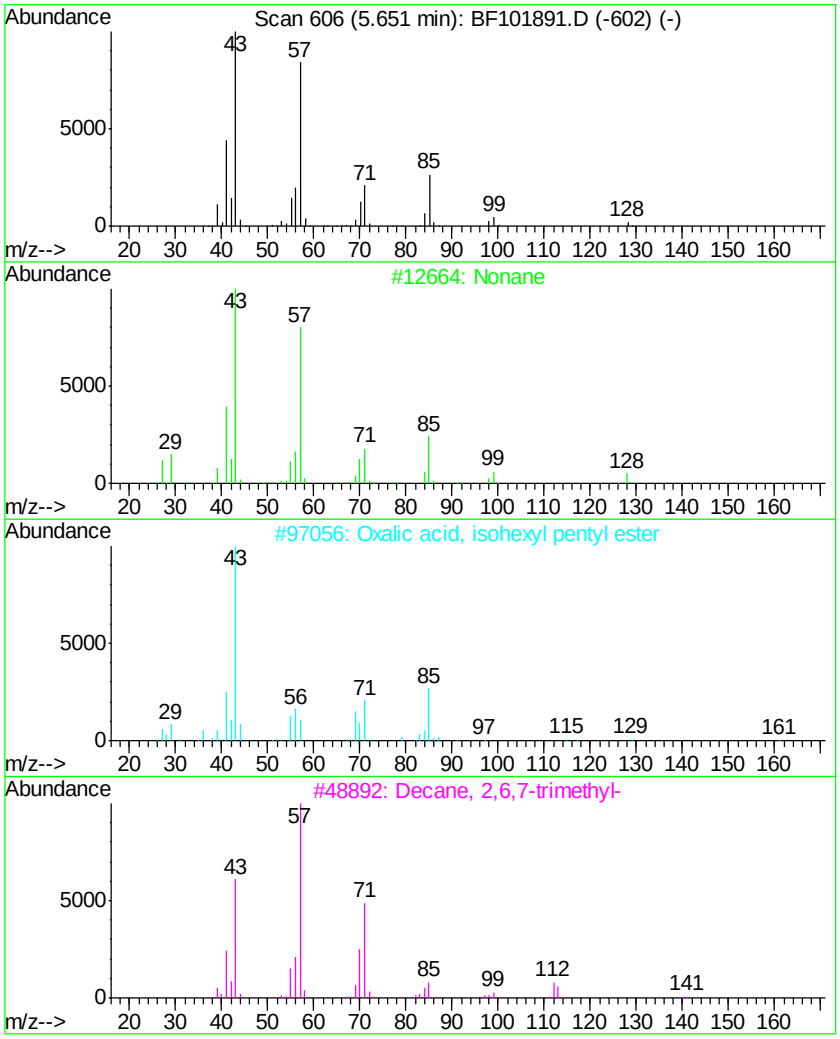
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

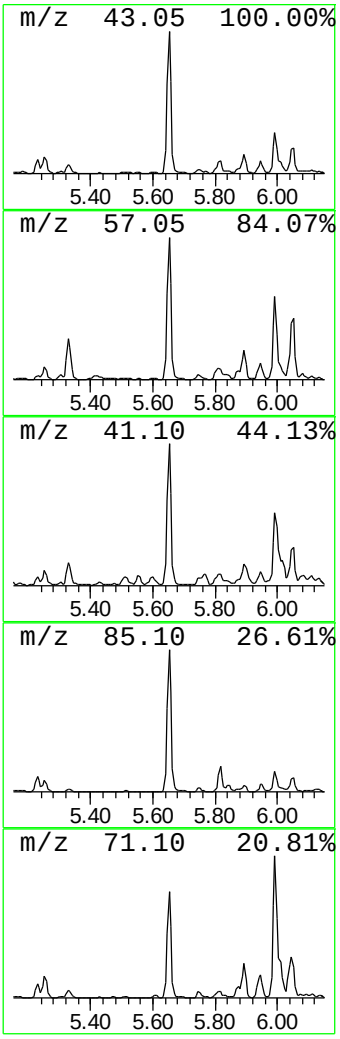
****

Peak Number 1 Nonane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	25.03 ng	2031010	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	72
3	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	64
4	Octane	114	C8H18	000111-65-9	64
5	Decane	142	C10H22	000124-18-5	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

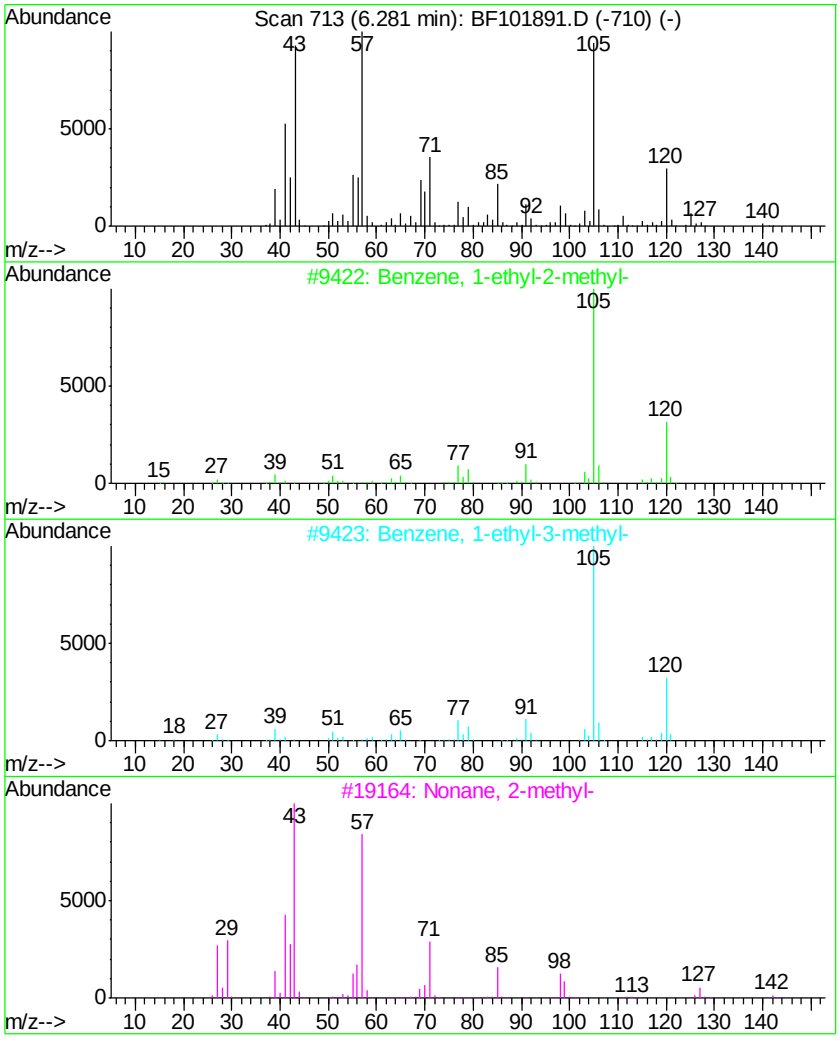
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

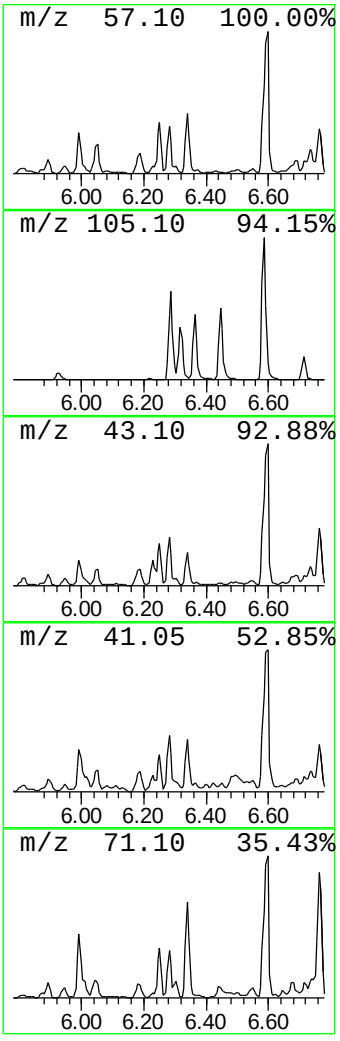
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	32.42 ng	2631020	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	56
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	56
3	Nonane, 2-methyl-	142	C10H22	000871-83-0	47
4	Decane	142	C10H22	000124-18-5	47
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

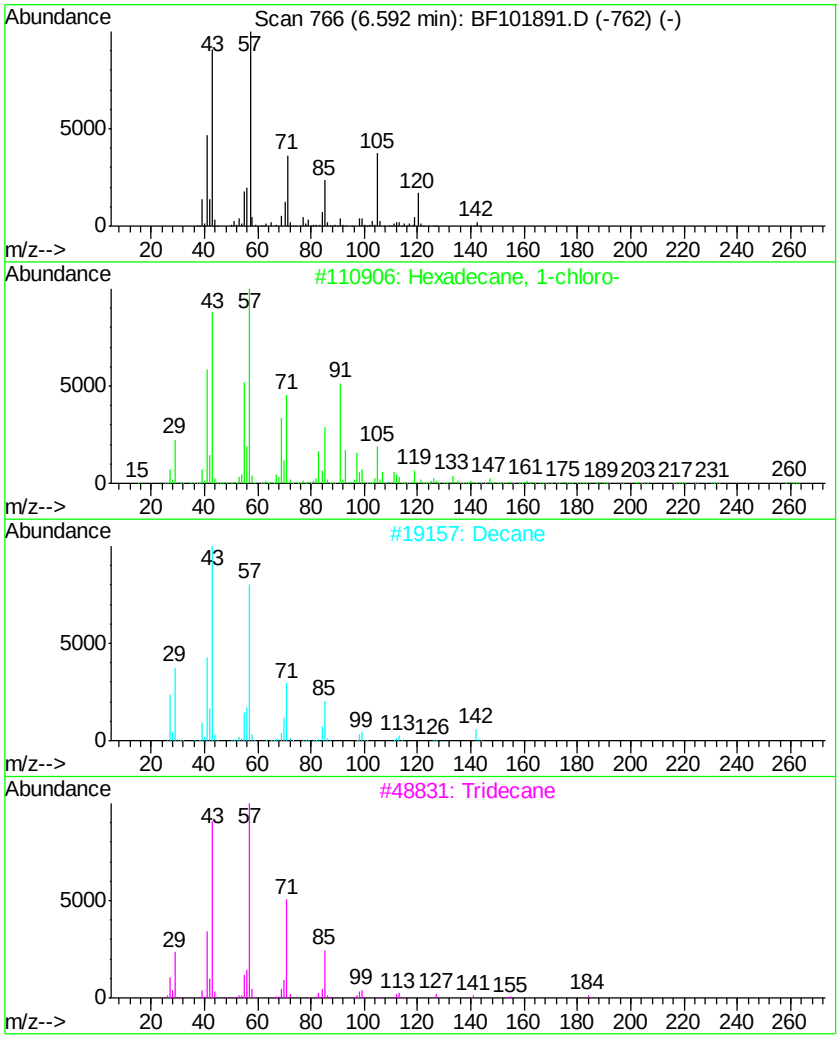
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

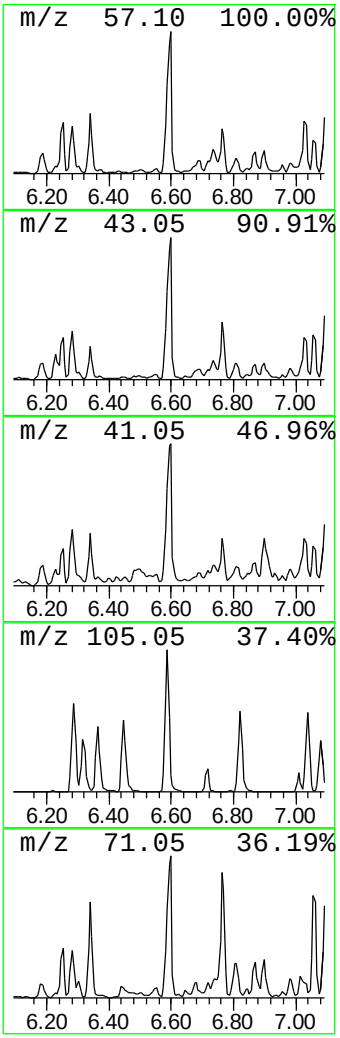
****

Peak Number 3 Hexadecane, 1-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	77.64 ng	6301330	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	53
2	Decane	142	C10H22	000124-18-5	50
3	Tridecane	184	C13H28	000629-50-5	50
4	Nonane	128	C9H20	000111-84-2	50
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

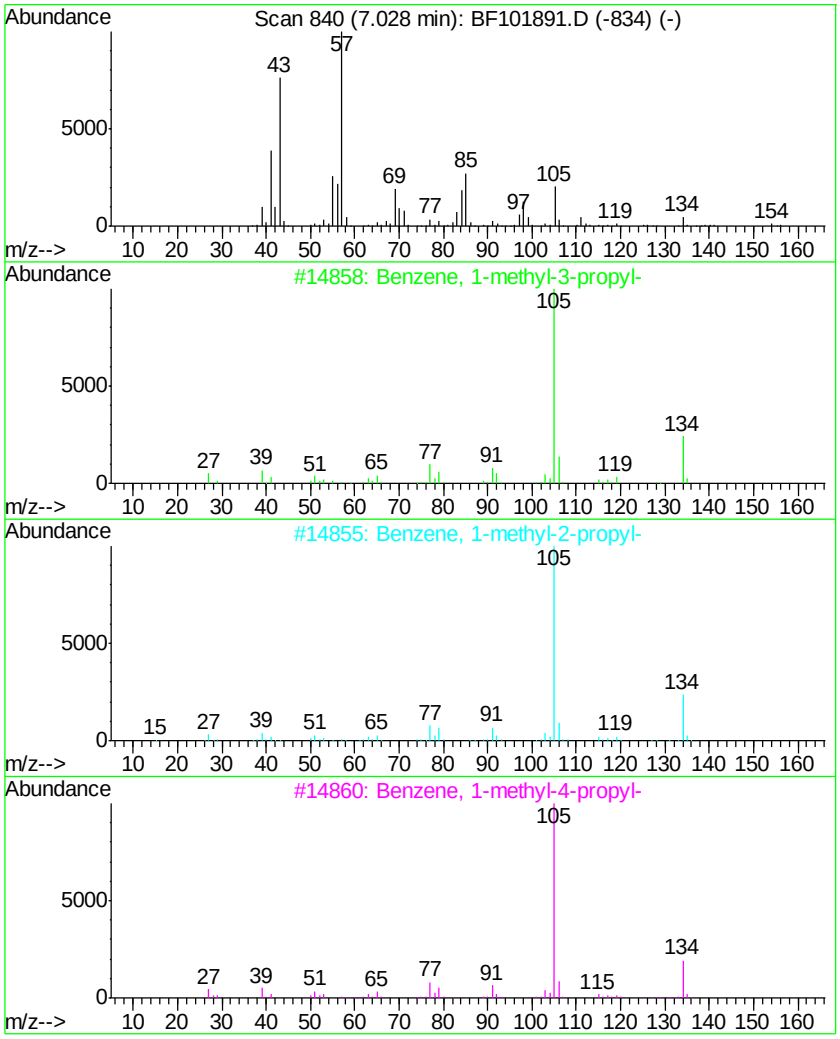
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

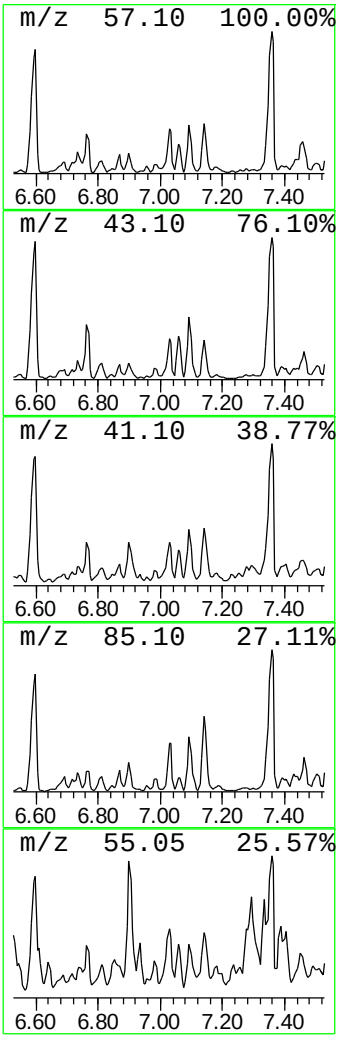
****

Peak Number 4 Benzene, 1-methyl-3-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	30.03 ng	2436730	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	83
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	46
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

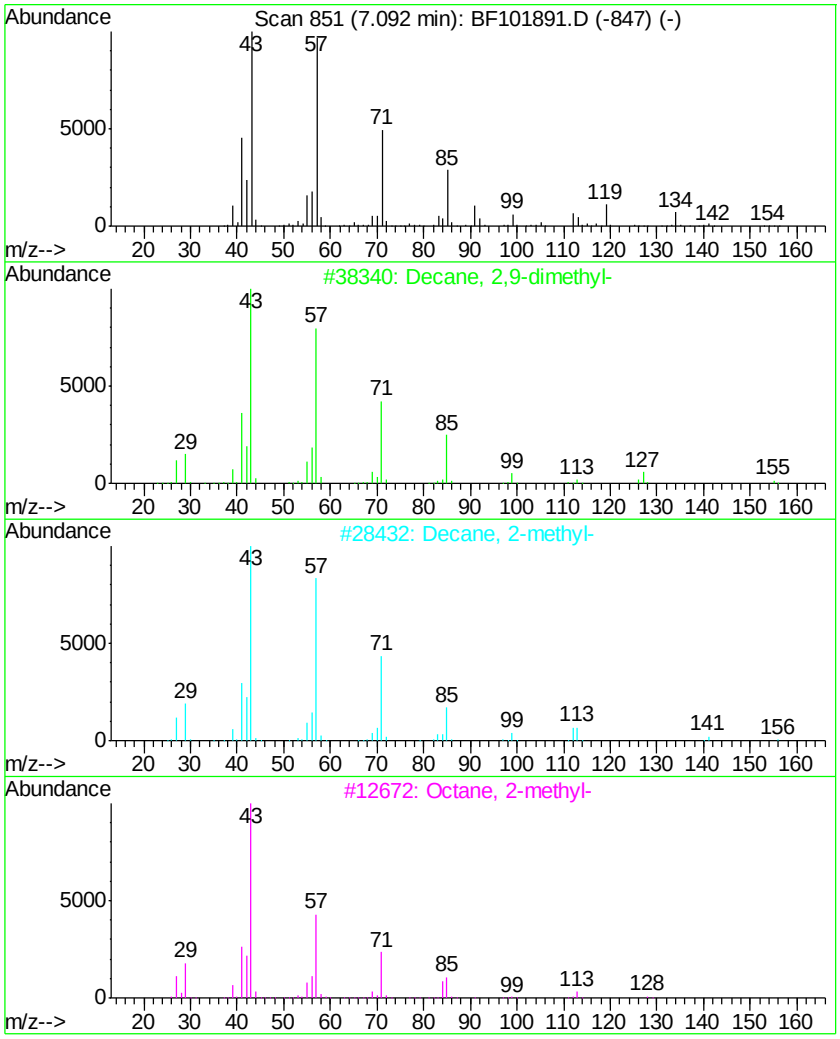
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

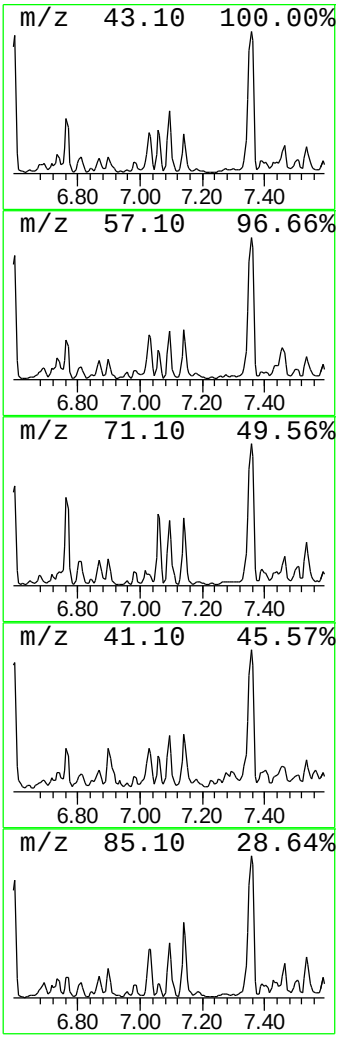
****

Peak Number 5 Decane, 2,9-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	34.56 ng	2804820	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
2	Decane, 2-methyl-	156	C11H24	006975-98-0	59
3	Octane, 2-methyl-	128	C9H20	003221-61-2	50
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	47
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47





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Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

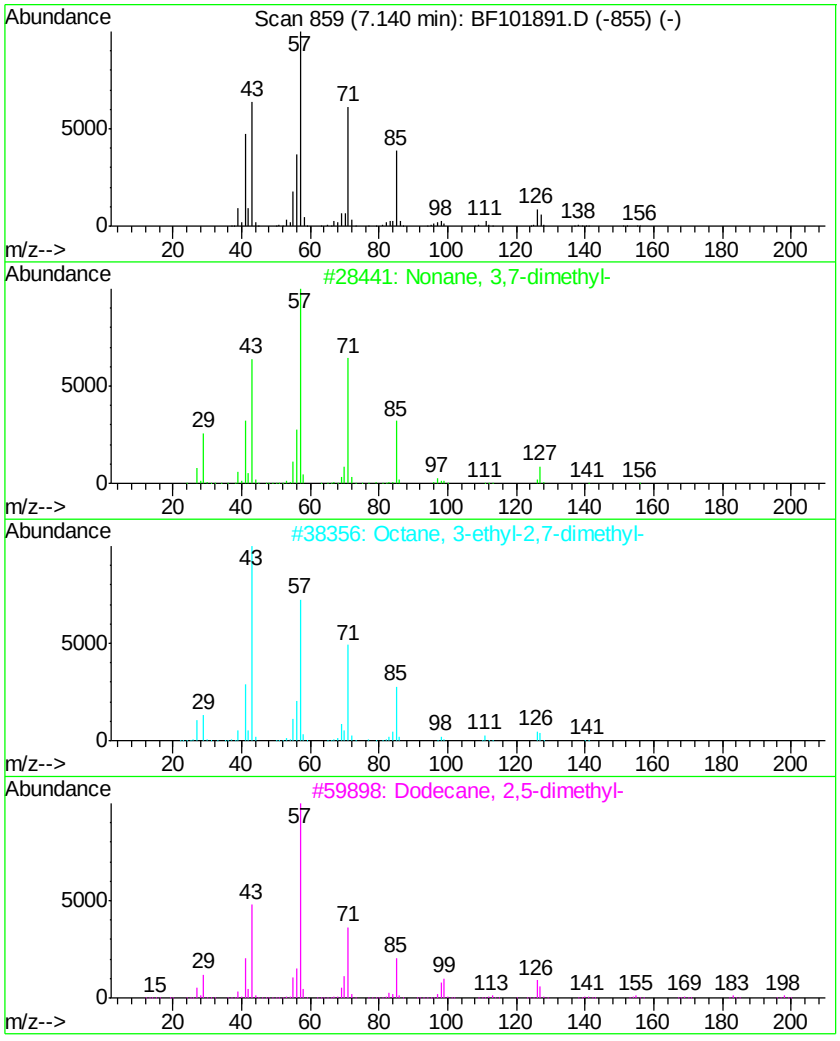
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

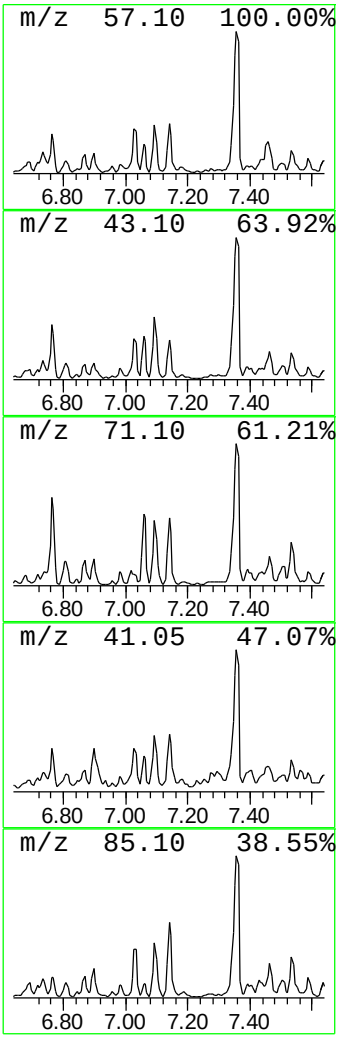
****

Peak Number 6 Nonane, 3,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	30.28 ng	2457800	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	83
2	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	78
3	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	64
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	64
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64





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Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

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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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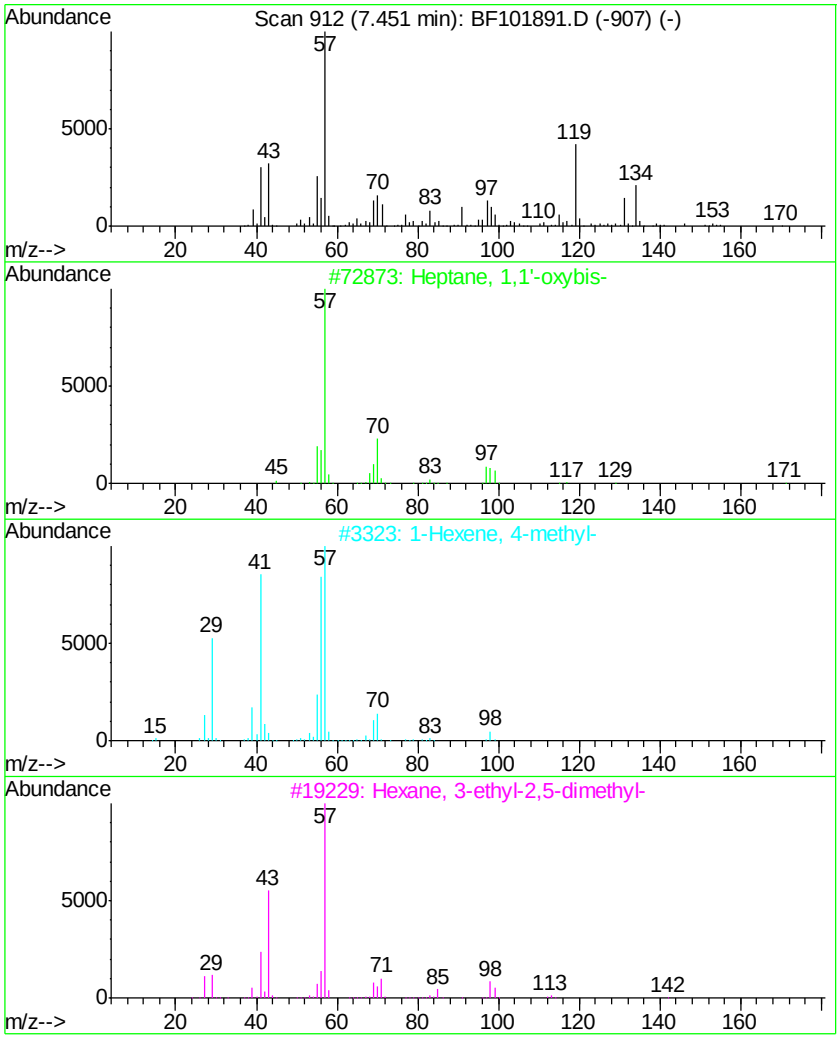
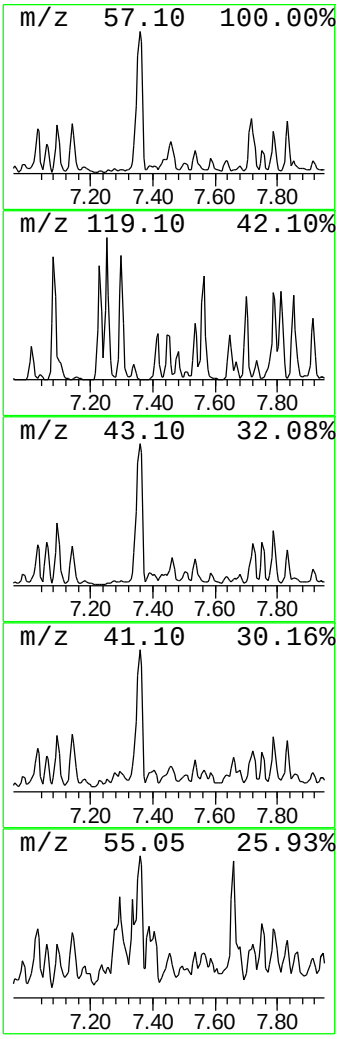
Peak Number 7 unknown7.45 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	27.96 ng	1535190	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	14
2	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	11
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	10
4	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	10
5	Octane, 3-methyl-	128	C9H20	002216-33-3	10





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Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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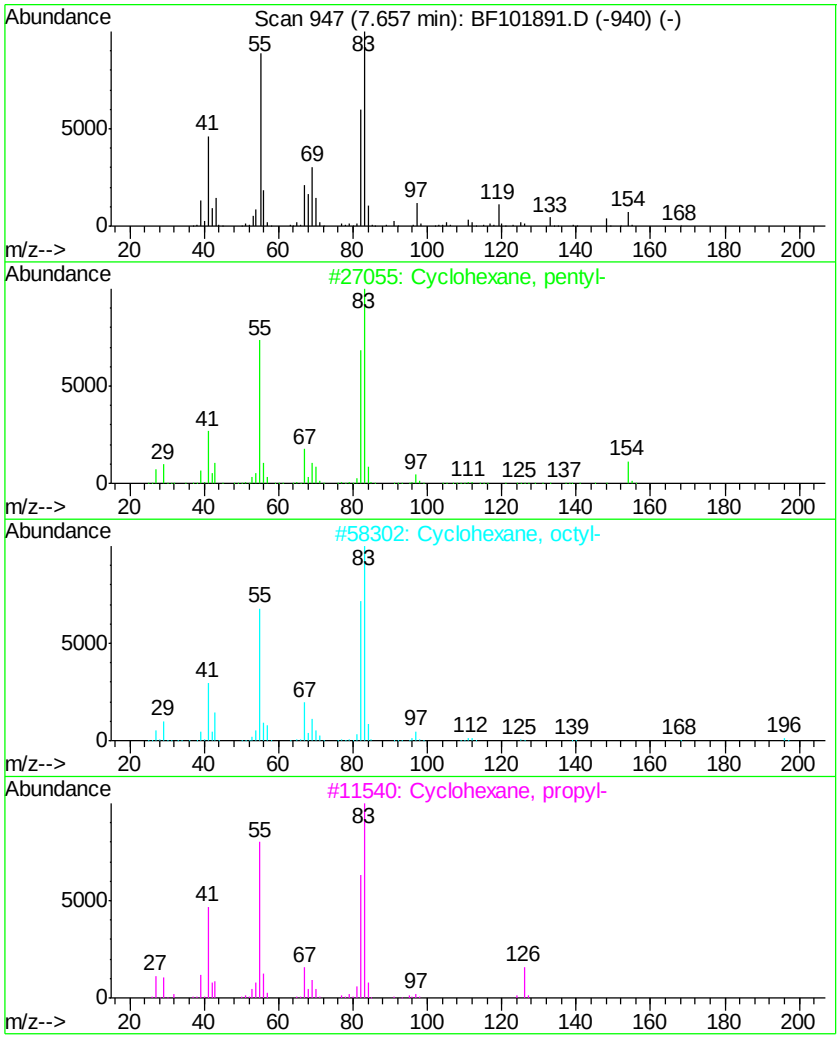
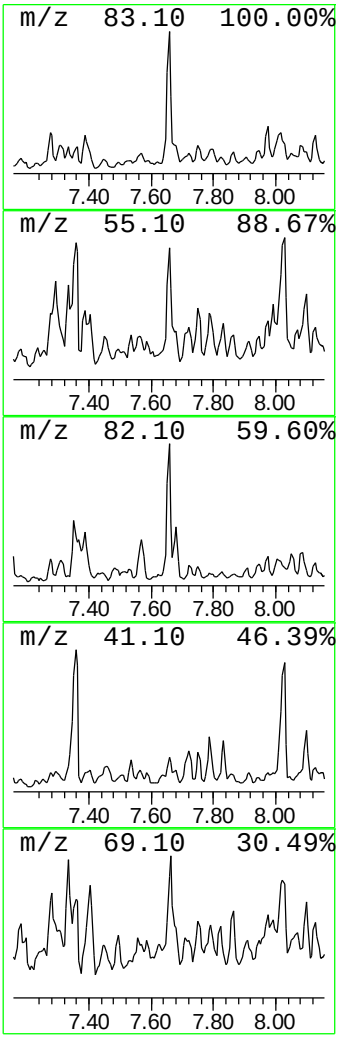
Peak Number 8 Cyclohexane, pentyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	32.91 ng	1806800	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64





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Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : HR-06-010318-C

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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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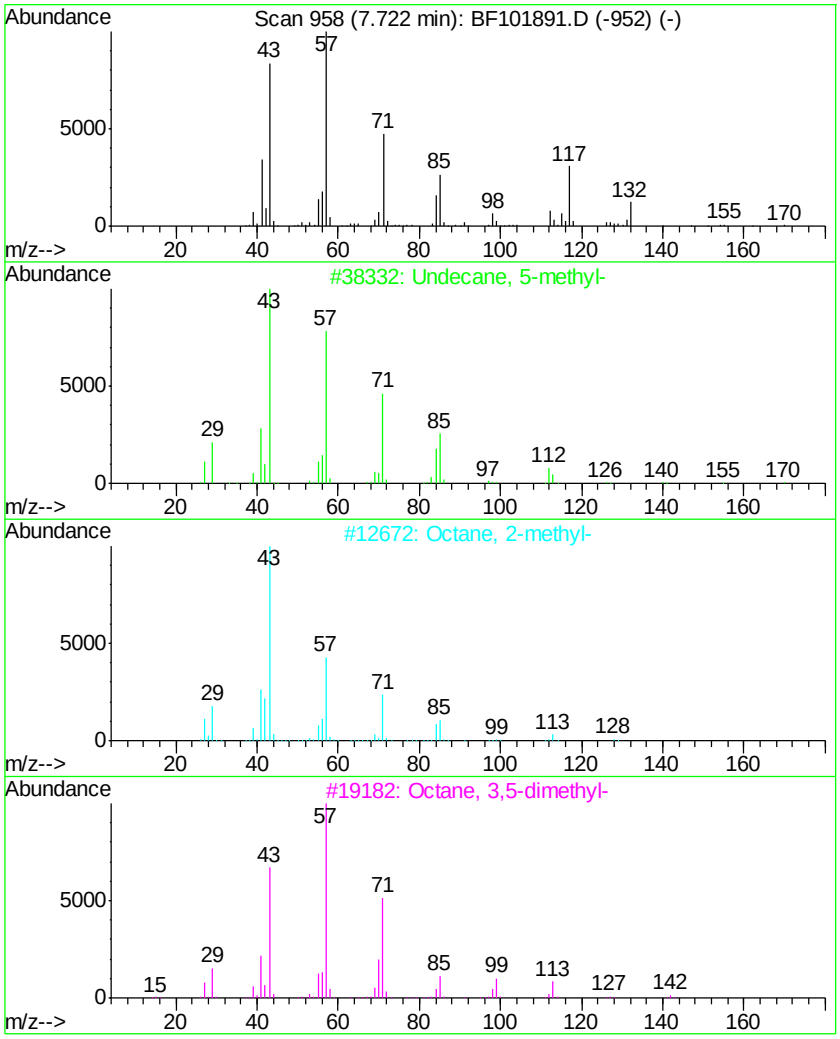
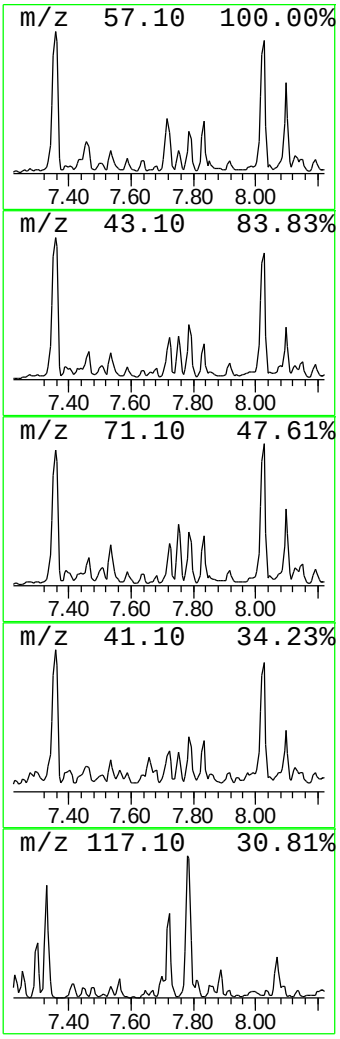
Peak Number 9 Undecane, 5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	34.63 ng	1901200	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
2	Octane, 2-methyl-	128	C9H20	003221-61-2	49
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	47
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	43





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Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

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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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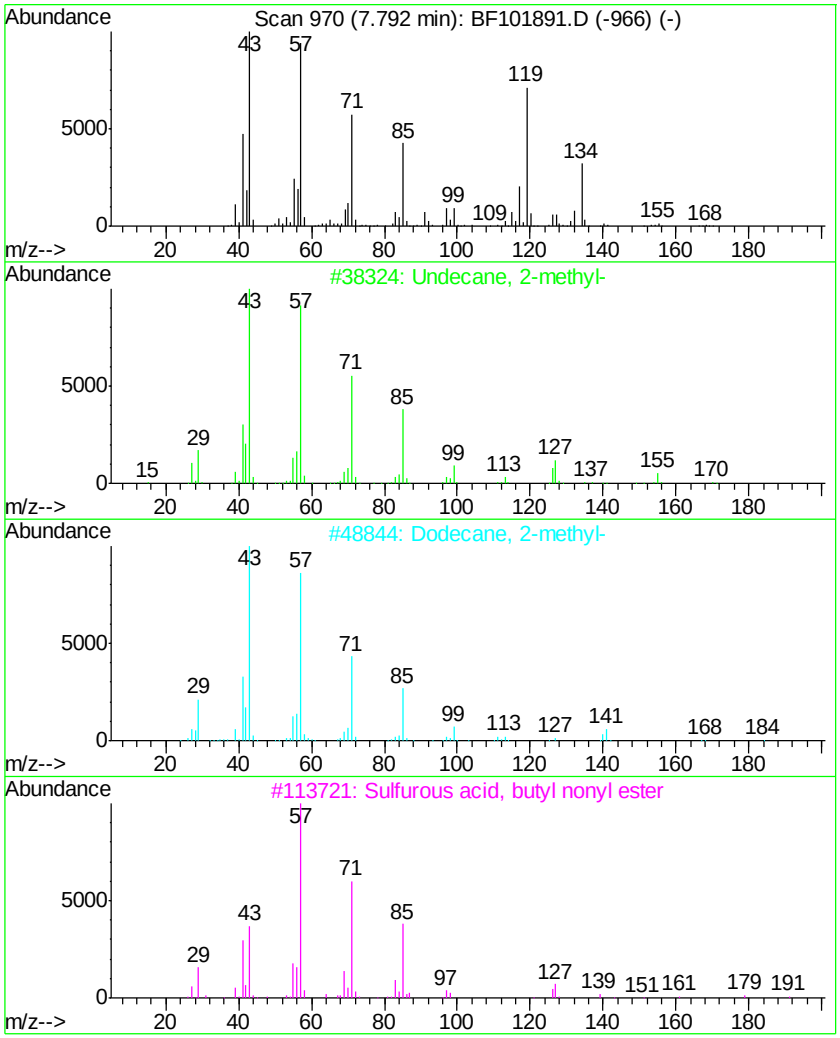
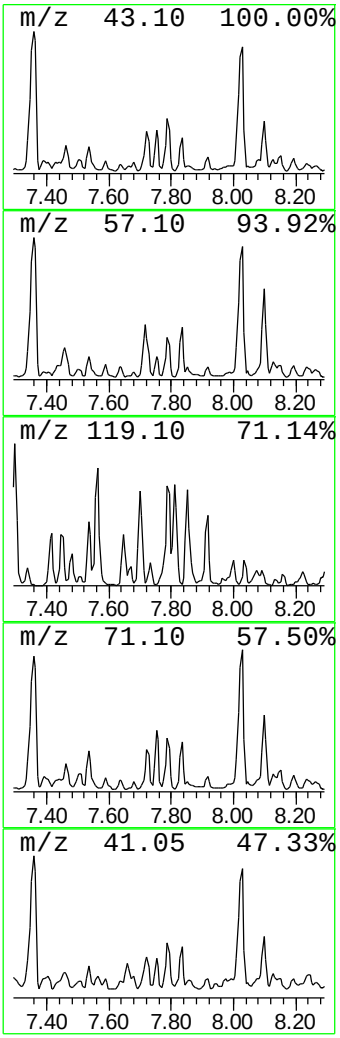
Peak Number 10 unknown7.79 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	38.17 ng	2095680	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	38
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	38
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	30
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	30
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	27





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Sample : J1011-05 5X
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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

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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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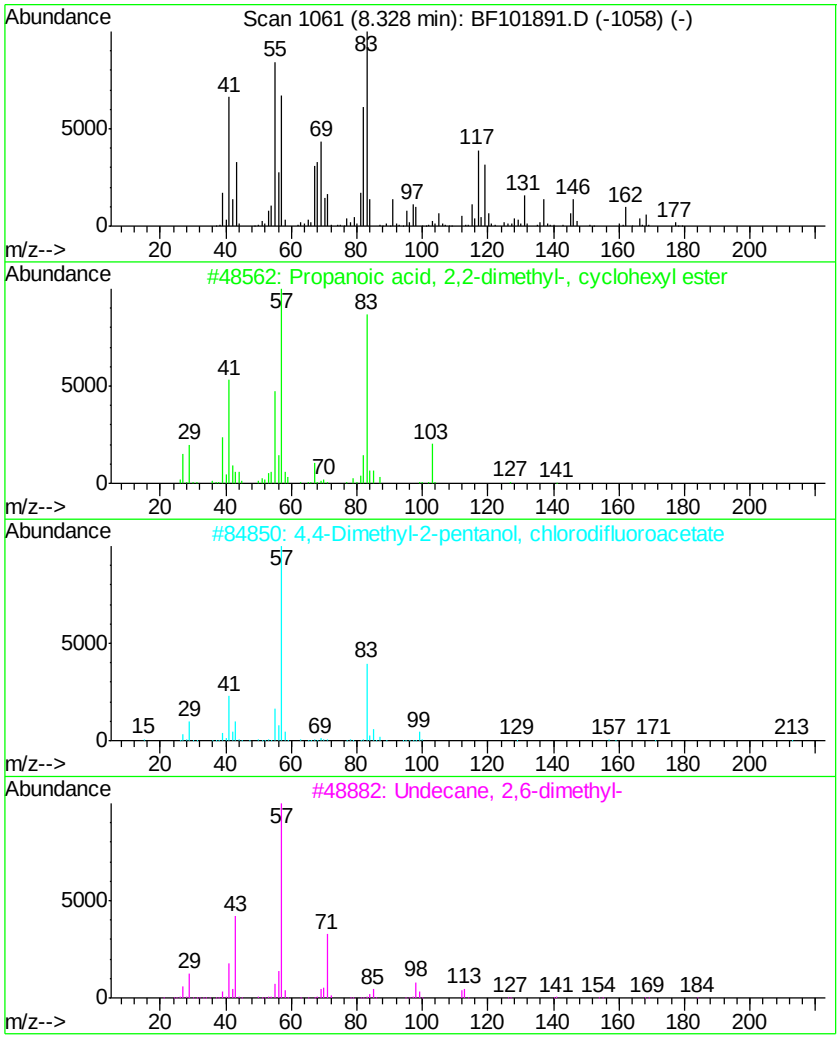
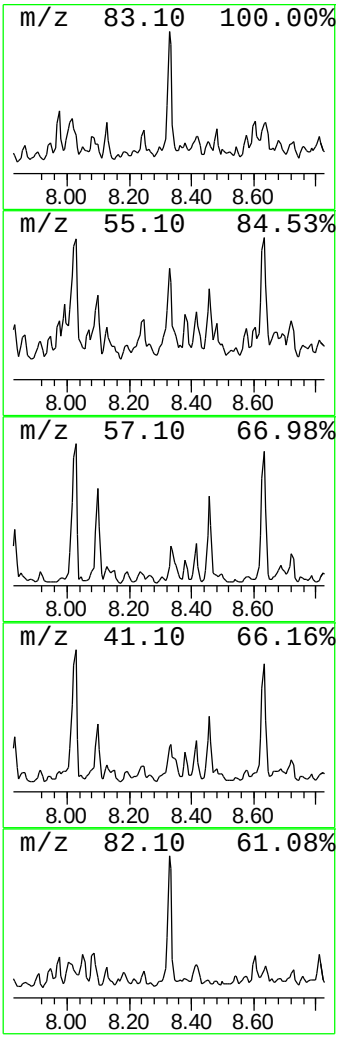
Peak Number 11 unknown8.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	45.30 ng	2487390	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2,2-dimethyl-, c...	184	C11H20O2	029878-49-7	27
2	4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	27
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25
4	Hexanal, 3,5,5-trimethyl-	142	C9H18O	005435-64-3	22
5	Octadecane, 6-methyl-	268	C19H40	010544-96-4	22





Library Search Compound Report

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Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

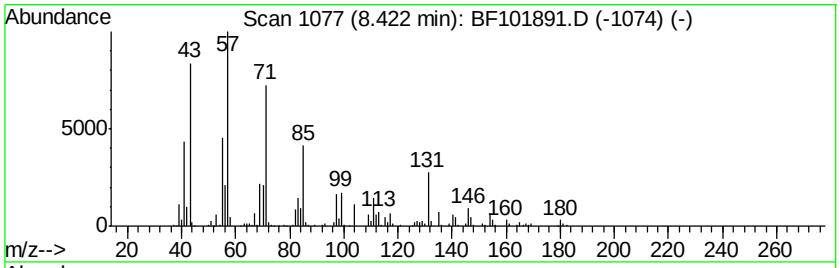
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

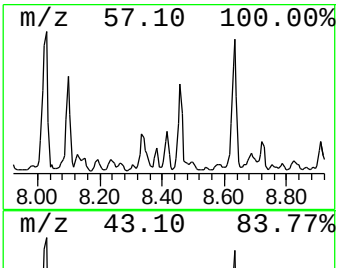
****

Peak Number 12 Undecane, 2,10-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	25.76 ng	1414300	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	74
2	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
3	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	72
4	1-Iodoundecane	282	C11H23I	004282-44-4	64
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	64





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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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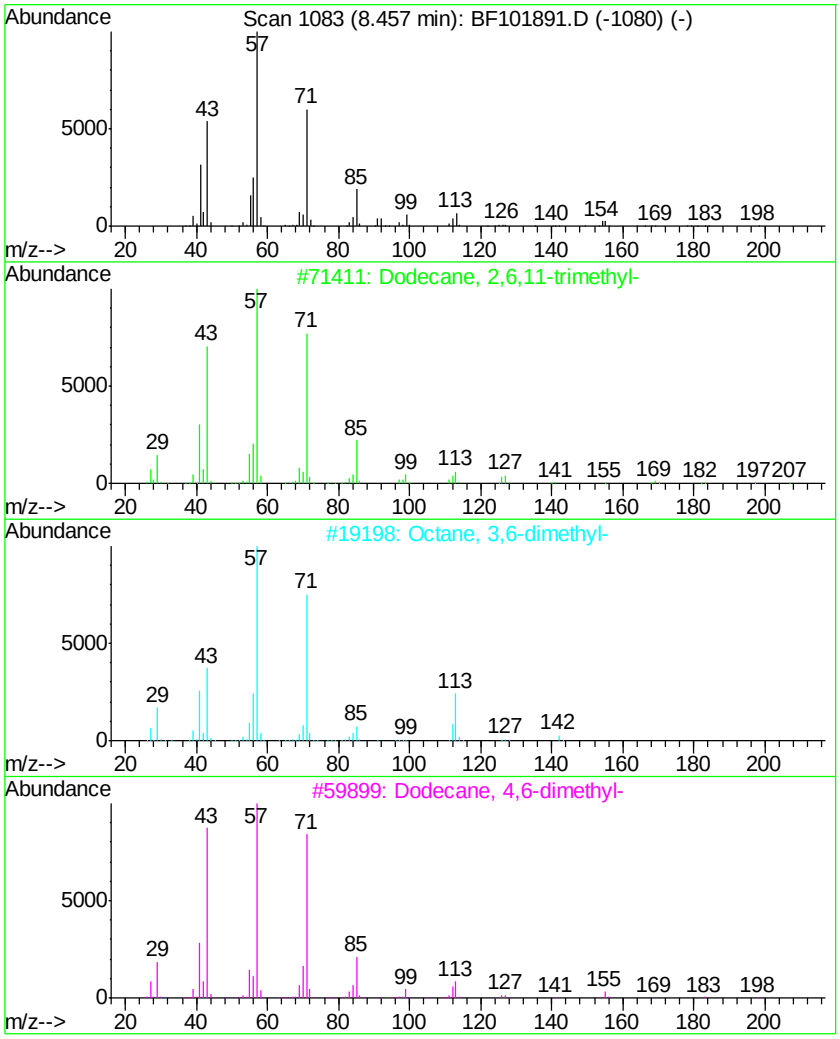
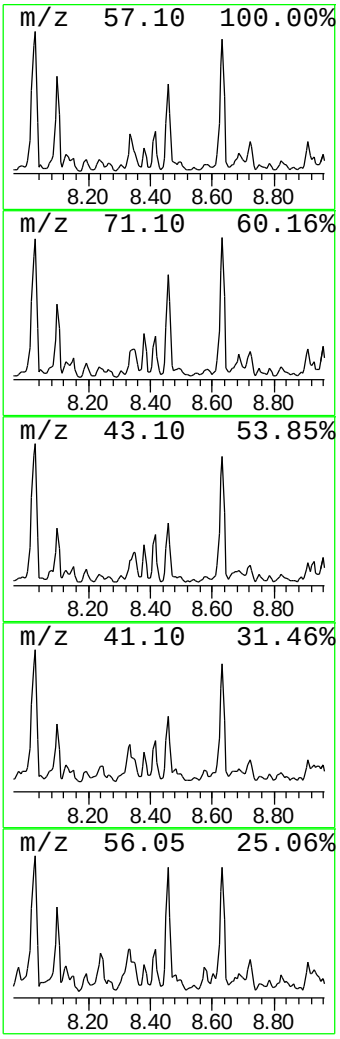
Peak Number 13 Dodecane, 2,6,11-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	38.04 ng	2088710	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	59
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59





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Misc :
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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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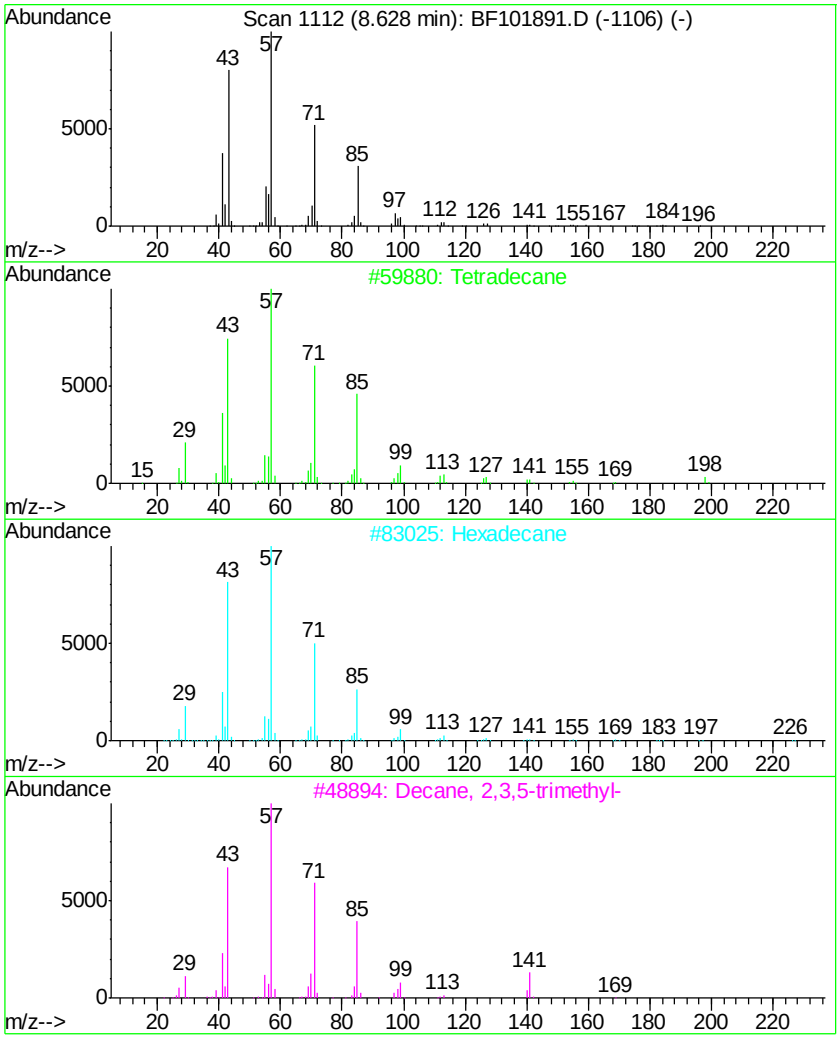
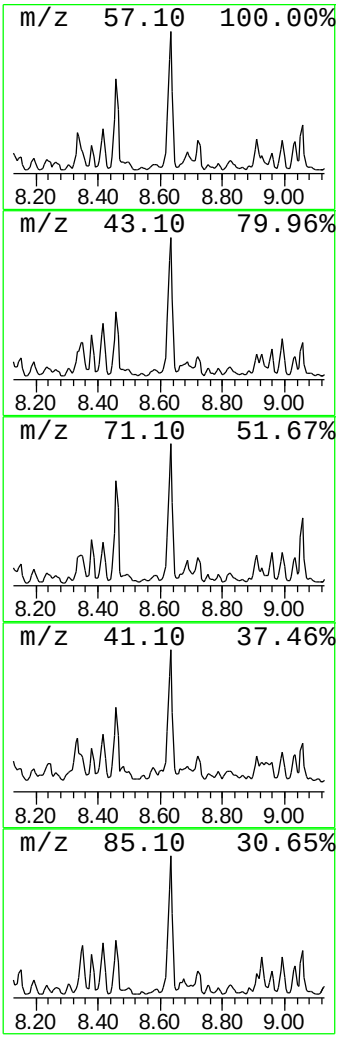
Peak Number 14 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	79.52 ng	4366010	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
4	Undecane	156	C11H24	001120-21-4	59
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	53





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : HR-06-010318-C

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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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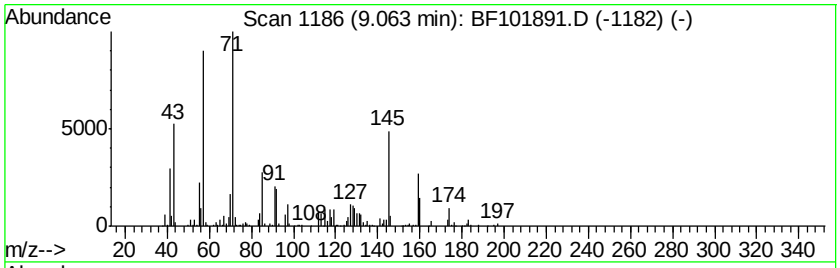
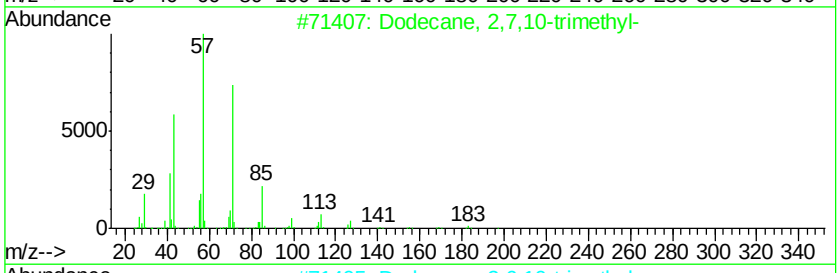
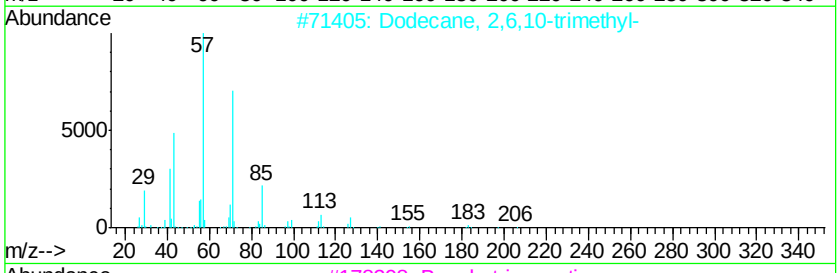
Peak Number 15 Dodecane, 2,7,10-trimethyl- Concentration Rank 16

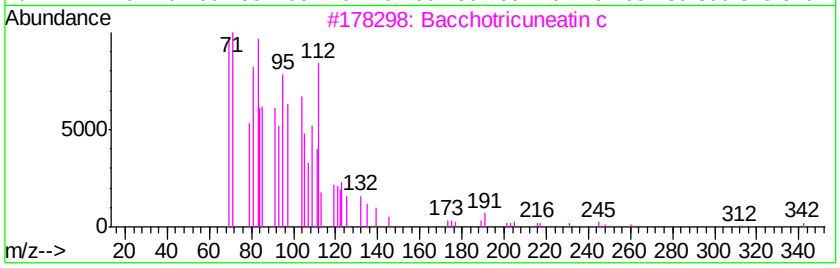
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	29.38 ng	1144930	Acenaphthene-d10	9.81

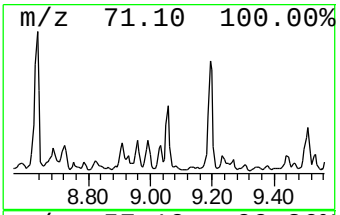
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
5	Oxalic acid, butyl neopentyl ester	216	C11H20O4	1000309-72-8	50

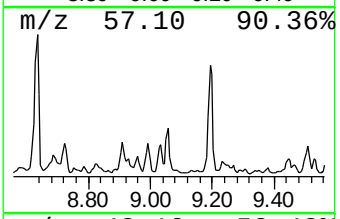


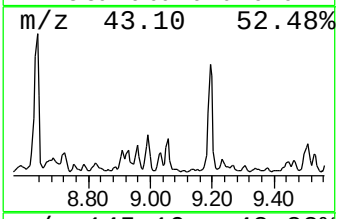


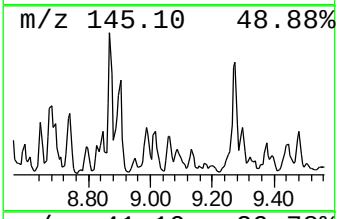


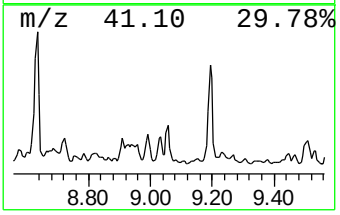












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Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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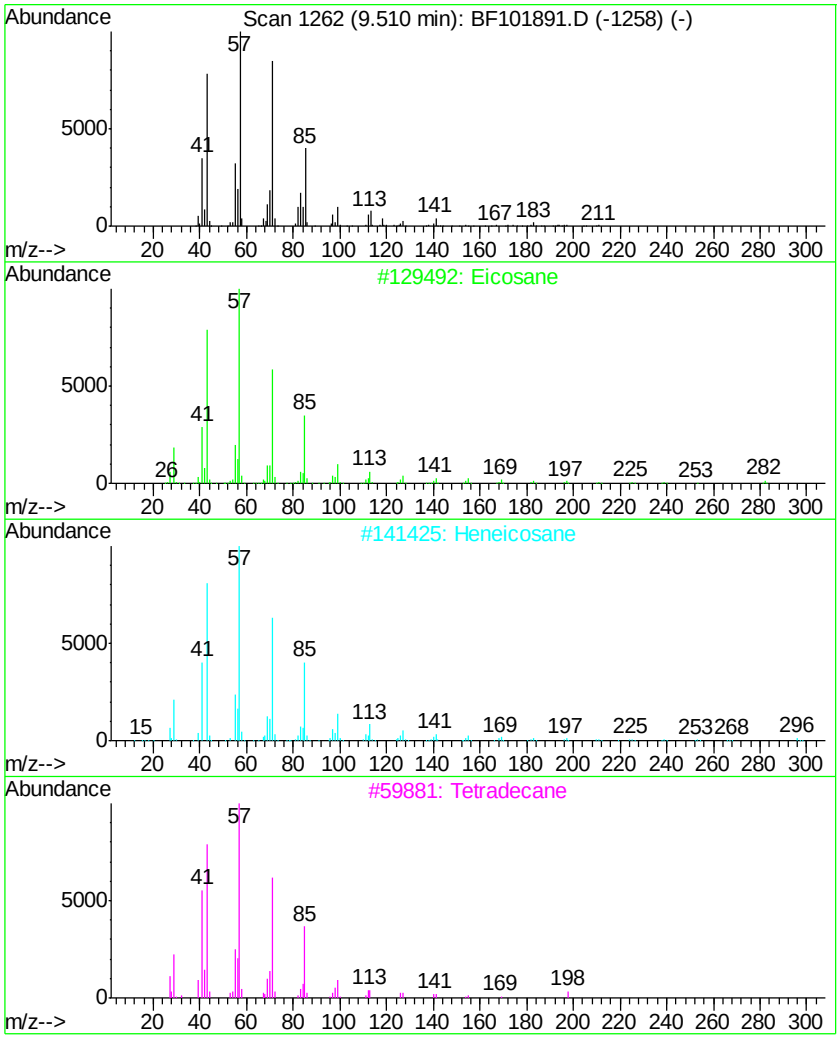
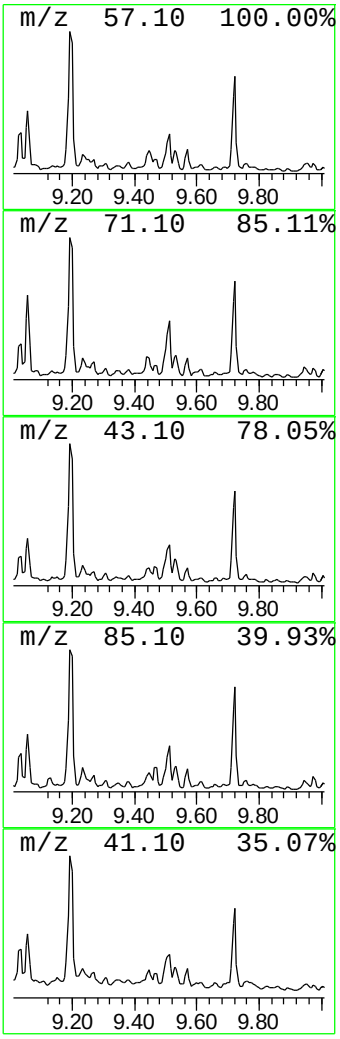
Peak Number 17 Eicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	28.99 ng	1129500	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Heneicosane	296	C21H44	000629-94-7	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	72
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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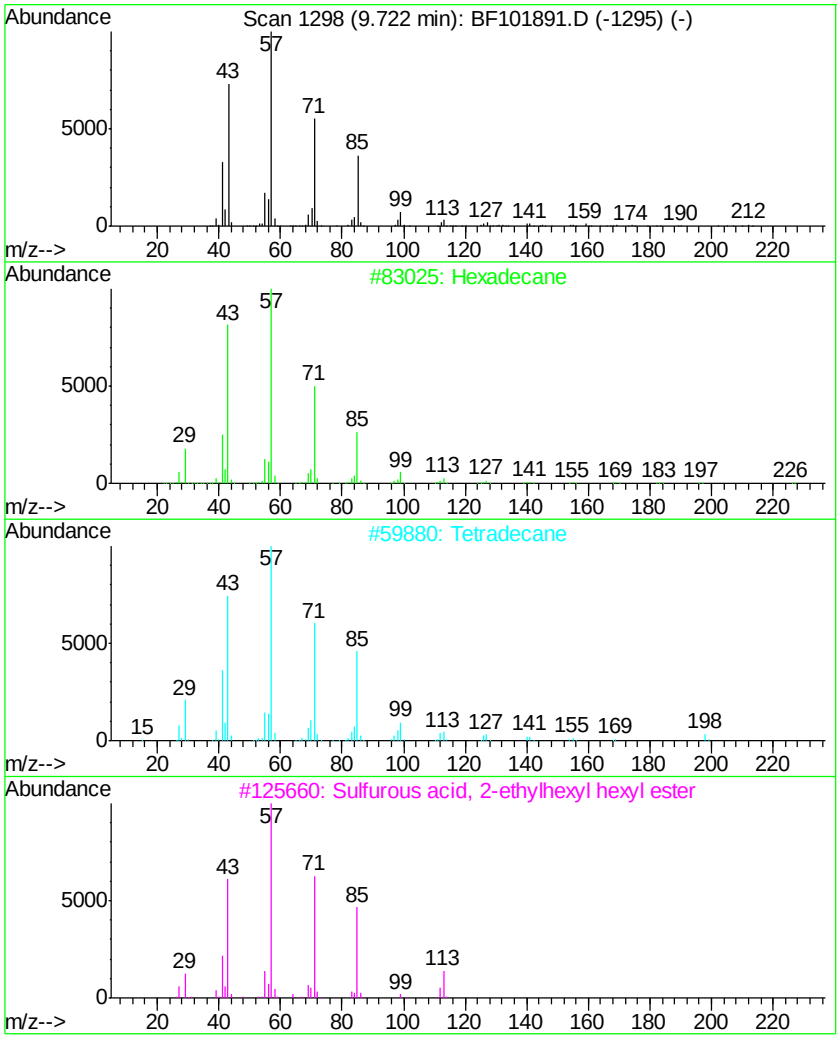
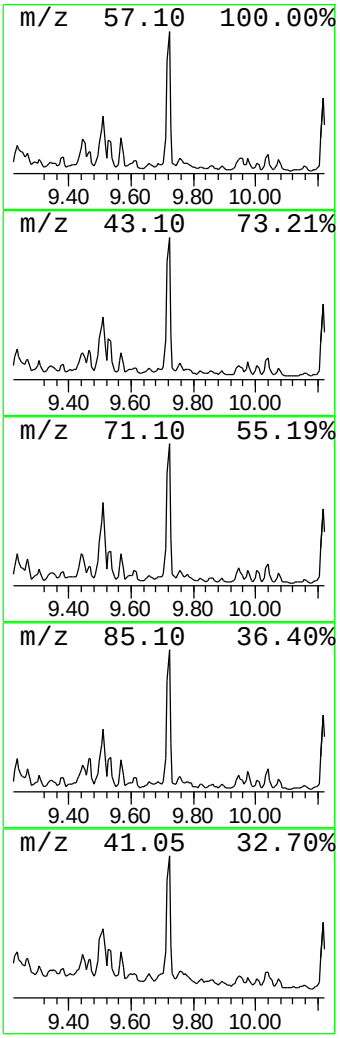
Peak Number 18 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	43.53 ng	1696240	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	78
4	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	72
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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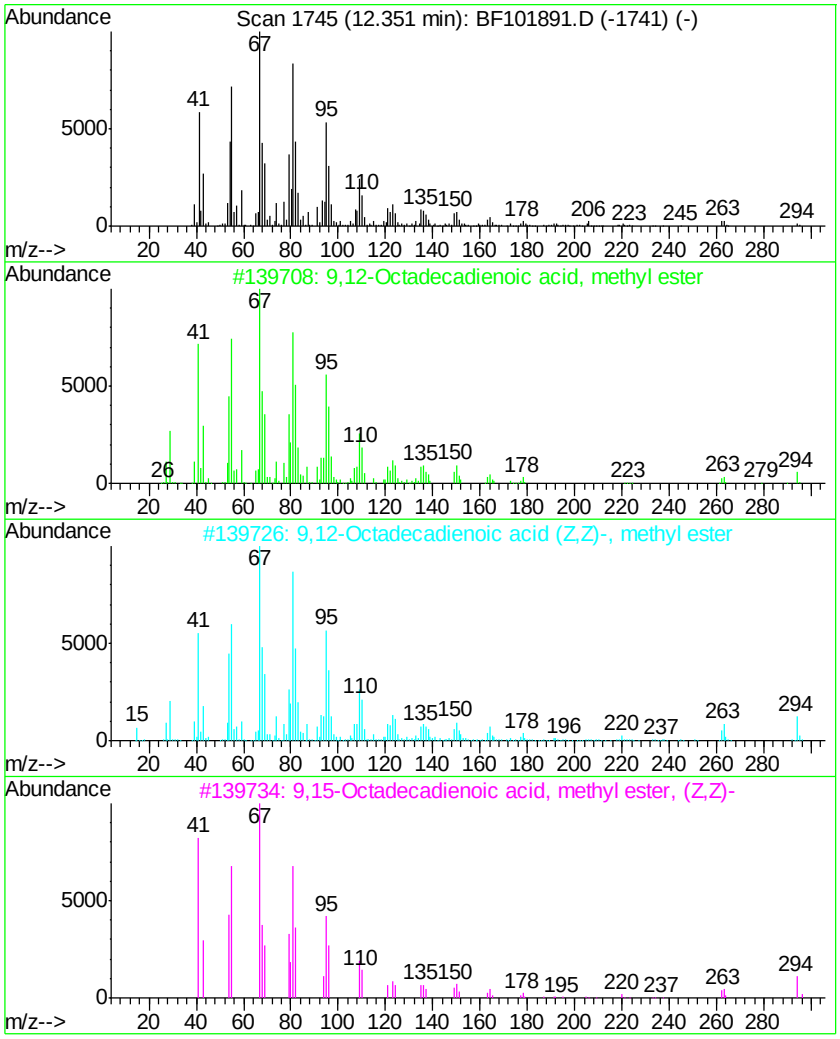
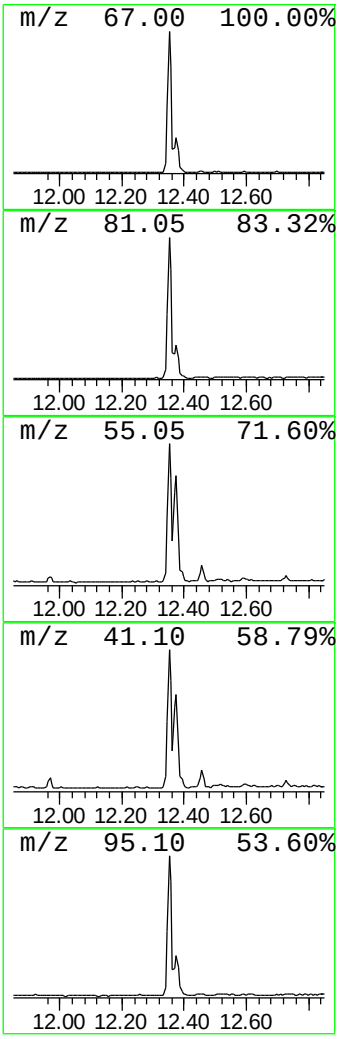
Peak Number 19 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	50.12 ng	1688380	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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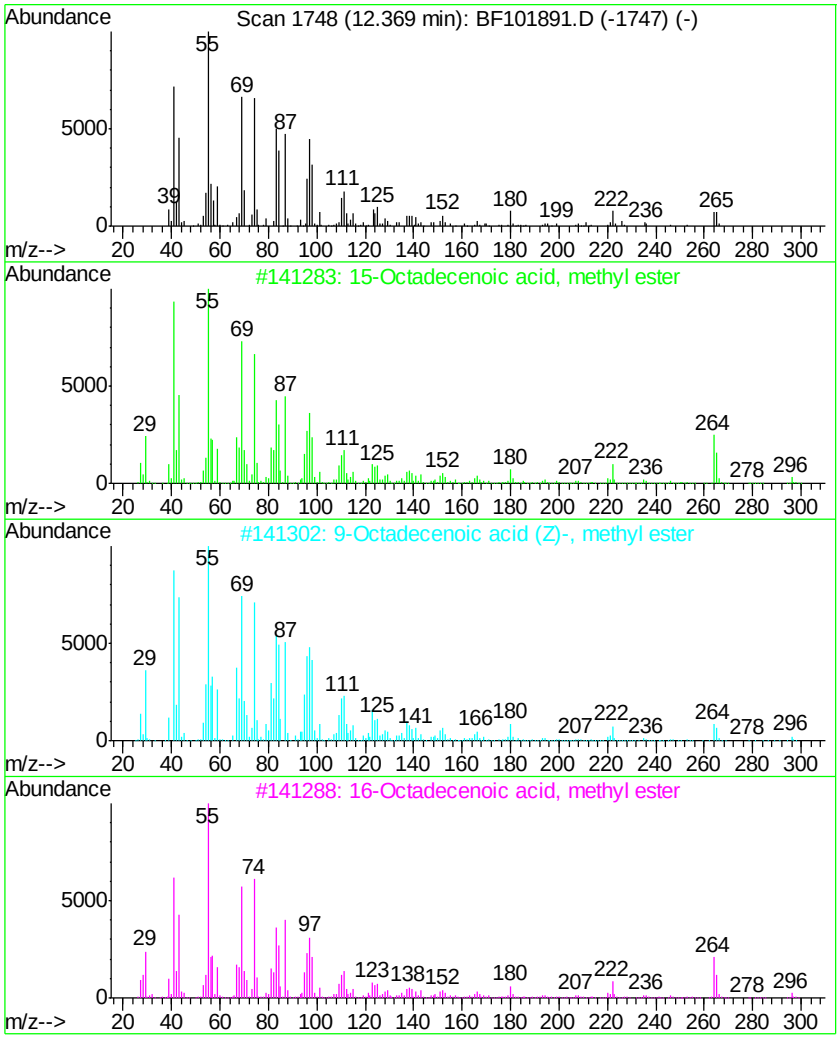
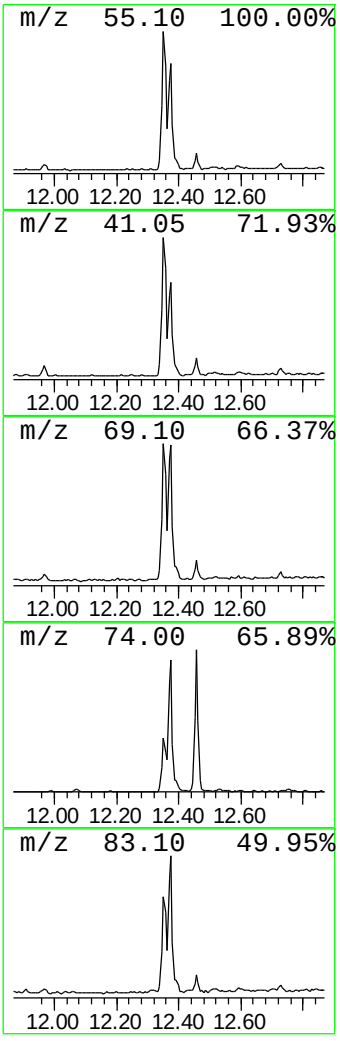
Peak Number 20 15-Octadecenoic acid, methy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	31.90 ng	1074600	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	91
4	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	91
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010418\
Data File : BF101891.D
Acq On : 4 Jan 2018 15:26
Operator : SJ/JU
Sample : J1011-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-010318-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
Nonane	5.65	25.0	ng	2031010	1	6.77	1623130	20.0
Benzene, 1-ethyl-...	6.28	32.4	ng	2631020	1	6.77	1623130	20.0
Hexadecane, 1-chl...	6.59	77.6	ng	6301330	1	6.77	1623130	20.0
Benzene, 1-methyl...	7.03	30.0	ng	2436730	1	6.77	1623130	20.0
Decane, 2,9-dimet...	7.09	34.6	ng	2804820	1	6.77	1623130	20.0
Nonane, 3,7-dimet...	7.14	30.3	ng	2457800	1	6.77	1623130	20.0
unknown7.45	7.45	28.0	ng	1535190	2	8.06	1098100	20.0
Cyclohexane, pentyl-	7.66	32.9	ng	1806800	2	8.06	1098100	20.0
Undecane, 5-methyl-	7.72	34.6	ng	1901200	2	8.06	1098100	20.0
unknown7.79	7.79	38.2	ng	2095680	2	8.06	1098100	20.0
unknown8.33	8.33	45.3	ng	2487390	2	8.06	1098100	20.0
Undecane, 2,10-di...	8.42	25.8	ng	1414300	2	8.06	1098100	20.0
Dodecane, 2,6,11-...	8.46	38.0	ng	2088710	2	8.06	1098100	20.0
Tetradecane	8.63	79.5	ng	4366010	2	8.06	1098100	20.0
Dodecane, 2,7,10-...	9.06	29.4	ng	1144930	3	9.81	779271	20.0
Eicosane	9.51	29.0	ng	1129500	3	9.81	779271	20.0
Hexadecane	9.72	43.5	ng	1696240	3	9.81	779271	20.0
9,12-Octadecadien...	12.35	50.1	ng	1688380	4	11.30	673779	20.0
15-Octadecenoic a...	12.37	31.9	ng	1074600	4	11.30	673779	20.0