LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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	4.998	492	495	511	rBV	109746	184001	2.64%	0.138%
2	5.410	562	565	583	rBV	788013	1388281	19.88%	1.042%
3	6.016	663	668	672	rBV2	135014	186620	2.67%	0.140%
4	6.075	675	678	681	rVB	149152	125507	1.80%	0.094%
5	6.210	696	701	705	rBV2	123946	163805	2.35%	0.123%
6	6.269	709	711	714	rVB	127290	111541	1.60%	0.084%
7	6.304	714	717	724	rBV2	199422	274126	3.93%	0.206%
8	6.434	735	739	749	rBV	933069	1566850	22.44%	1.176%
9	6.516	749	753	757	rVV4	163149	261753	3.75%	0.196%
10	6.563	757	761	766	rVB	1361457	1440223	20.63%	1.081%
11	6.610	766	769	771	rBV2	281652	259003	3.71%	0.194%
12	6.698	780	784	785	rBV4	80629	100313	1.44%	0.075%
13	6.739	788	791	793	rBV3	157503	154181	2.21%	0.116%
14	6.787	796	799	804	rVB2	1379381	1283891	18.39%	0.964%
15	6.834	804	807	810	rVB3	165322	195835	2.80%	0.147%
16	6.869	810	813	814	rBV3	151782	159647	2.29%	0.120%
17	6.886	814	816	819	rVB	230531	231530	3.32%	0.174%
18	6.922	819	822	824	rBV	766452	692688	9.92%	0.520%
19	6.945	824	826	830	rVB2	908738	1008953	14.45%	0.757%
20	6.981	830	832	834	rVB	119675	74628	1.07%	0.056%
21	7.004	834	836	839	rBV2	342248	312134	4.47%	0.234%
22	7.051	839	844	847	rBV3	898896	1094554	15.68%	0.822%
23	7.081	847	849	851	rVB	562522	398643	5.71%	0.299%
24	7.116	851	855	859	rVB3	595557	810887	11.61%	0.609%
25	7.175	859	865	867	rBV4	827700	1309189	18.75%	0.983%
26	7.204	867	870	875	rVB3	328464	493855	7.07%	0.371%
27	7.251	875	878	880	rBV2	376788	395264	5.66%	0.297%
28	7.275	880	882	884	rBV	165546	154552	2.21%	0.116%
29	7.304	884	887	888	rBV	792458	908674	13.01%	0.682%
30	7.316	888	889	893	rVB	1087796	795163	11.39%	0.597%
31	7.357	893	896	897	rBV2	947983	859022	12.30%	0.645%
32	7.375	897	899	902	rVB	1758337	1635220	23.42%	1.228%
33	7.428	902	908	911	rBV5	944053	1502094	21.51%	1.128%
34	7.486	911	918	922	rBV3	1048505	2197250	31.47%	1.649%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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	7.534	923	926	928	rBV2	419600	385001	5.51%	0.289%
36	7.557	928	930	933	rBV2	1467522	1559868	22.34%	1.171%
37	7.586	933	935	938	rVB2	1487184	1318843	18.89%	0.990%
38	7.616	938	940	942	rVB	311091	222356	3.18%	0.167%
39	7.686	945	952	954	rBV5	1908921	3436230	49.21%	2.579%
40	7.704	954	955	957	rVB	1112640	609880	8.73%	0.458%
41	7.745	959	962	965	rVB2	1640009	1978708	28.34%	1.485%
42	7.781	965	968	970	rBV3	1293962	1194227	17.10%	0.896%
43	7.816	970	974	977	rBV4	2194701	2401304	34.39%	1.803%
44	7.857	979	981	983	rVB	920332	725726	10.39%	0.545%
45	7.886	983	986	989	rVB3	1034648	1211162	17.35%	0.909%
46	7.939	992	995	998	rBV2	1354239	1554182	22.26%	1.167%
47	7.969	998	1000	1003	rBV2	514106	557202	7.98%	0.418%
48	8.004	1003	1006	1007	rBV2	877655	816559	11.69%	0.613%
49	8.022	1007	1009	1011	rBV2	584071	563880	8.08%	0.423%
50	8.051	1011	1014	1017	rBV3	1051319	1247130	17.86%	0.936%
51	8.133	1023	1028	1030	rVB2	3734763	4956789	70.99%	3.721%
52	8.157	1030	1032	1035	rBV3	1222325	1398119	20.02%	1.050%
53	8.222	1040	1043	1045	rBV3	921552	1252318	17.94%	0.940%
54	8.245	1045	1047	1048	rVV	580373	489481	7.01%	0.367%
55	8.275	1049	1052	1054	rVB2	1331139	1303956	18.67%	0.979%
56	8.363	1059	1067	1073	rBV5	3033017	6982520	100.00%	5.242%
57	8.416	1073	1076	1079	rBV4	1348995	1313579	18.81%	0.986%
58	8.451	1079	1082	1085	rVB2	1719175	1822472	26.10%	1.368%
59	8.498	1085	1090	1092	rBV	3269218	4156017	59.52%	3.120%
60	8.581	1101	1104	1106	rBV3	1209430	1083954	15.52%	0.814%
61	8.610	1106	1109	1112	rVV3	837393	1113364	15.95%	0.836%
62	8.639	1112	1114	1116	rVV2	767256	535268	7.67%	0.402%
63	8.669	1116	1119	1122	rBV3	1071793	1469587	21.05%	1.103%
64	8.763	1131	1135	1138	rVB3	2172377	2896182	41.48%	2.174%
65	8.798	1138	1141	1143	rBV3	1016405	1069102	15.31%	0.803%
66	8.822	1143	1145	1147	rBV3	597165	437630	6.27%	0.329%
67	8.851	1147	1150	1153	rBV4	782735	1156628	16.56%	0.868%
68	8.898	1156	1158	1161	rVB3	1012435	784725	11.24%	0.589%
69	8.951	1164	1167	1168	rBV2	1523434	1662484	23.81%	1.248%
70	9.028	1177	1180	1184	rBV2	1665105	2073063	29.69%	1.556%
71	9.069	1184	1187	1189	rVV2	1425678	1667037	23.87%	1.251%

LSC Area Percent Report

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Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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	9.098	1189	1192	1198	rVB2	2928467	3742699	53.60%	2.810%
73	9.239	1211	1216	1220	rBV3	1668796	2968402	42.51%	2.228%
74	9.422	1244	1247	1251	rBV2	1594546	2405525	34.45%	1.806%
75	9.510	1256	1262	1264	rVV4	1925934	3516513	50.36%	2.640%
76	9.557	1264	1270	1272	rVV3	2486042	4820440	69.04%	3.619%
77	9.580	1272	1274	1277	rVB2	1345614	1244083	17.82%	0.934%
78	9.616	1277	1280	1282	rBV2	1446119	1498497	21.46%	1.125%
79	9.704	1292	1295	1297	rVB2	1105852	964337	13.81%	0.724%
80	9.804	1309	1312	1314	rBV4	1001691	1198486	17.16%	0.900%
81	9.945	1332	1336	1340	rBV3	1191523	1948434	27.90%	1.463%
82	9.992	1341	1344	1347	rBV3	1165510	1675412	23.99%	1.258%
83	10.027	1348	1350	1351	rBV	1018779	789517	11.31%	0.593%
84	10.092	1357	1361	1364	rBV4	1896706	2889980	41.39%	2.169%
85	10.163	1370	1373	1376	rBV	1499762	1826650	26.16%	1.371%
86	10.198	1376	1379	1383	rVB3	1575198	2216909	31.75%	1.664%
87	10.251	1384	1388	1390	rBV2	1261232	1879658	26.92%	1.411%
88	10.486	1424	1428	1434	rVB2	2251945	4334432	62.08%	3.254%
89	10.539	1434	1437	1439	rBV3	947836	1002040	14.35%	0.752%
90	10.604	1446	1448	1451	rVB3	1442201	1296910	18.57%	0.974%
91	10.763	1469	1475	1481	rVB	2477097	4881310	69.91%	3.664%
92	10.927	1501	1503	1505	rBV2	830524	911172	13.05%	0.684%
93	11.222	1549	1553	1559	rVB2	1873403	3066556	43.92%	2.302%

Sum of corrected areas: 133214372

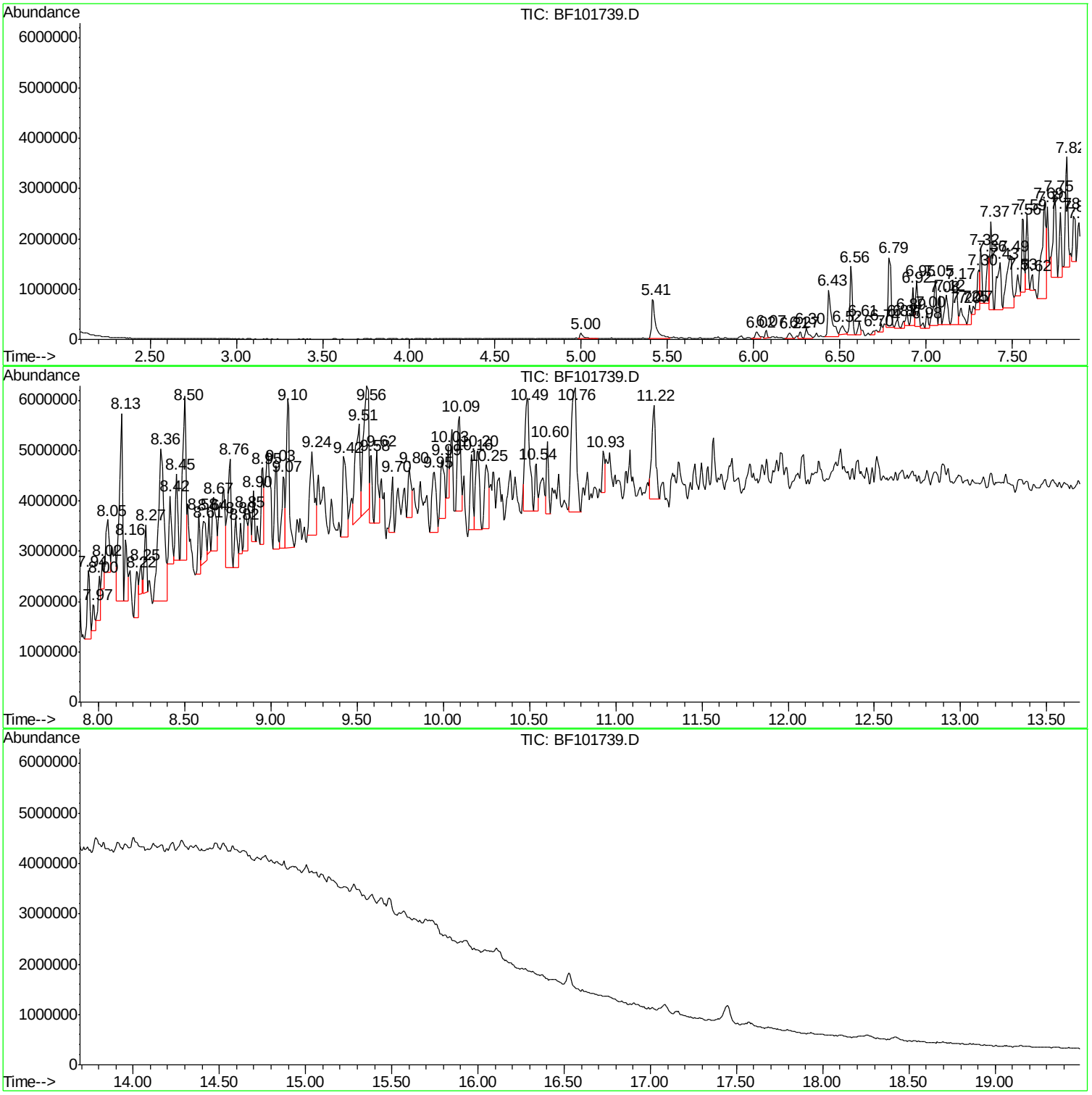
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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

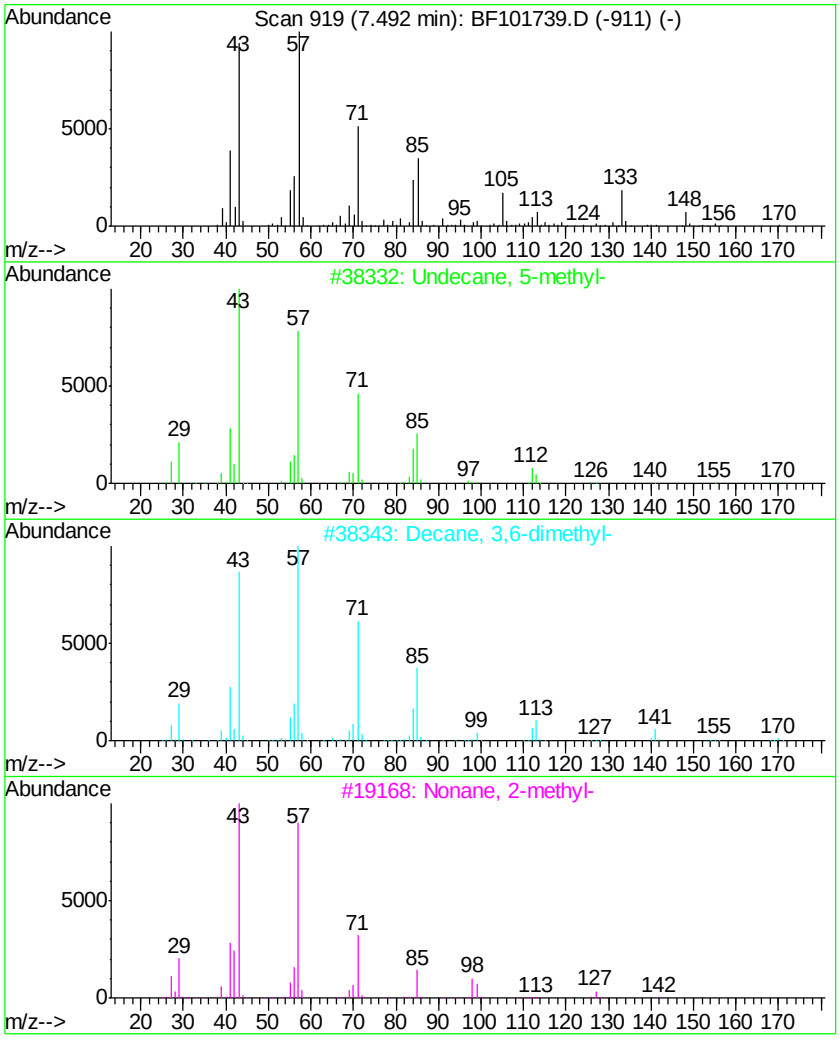
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

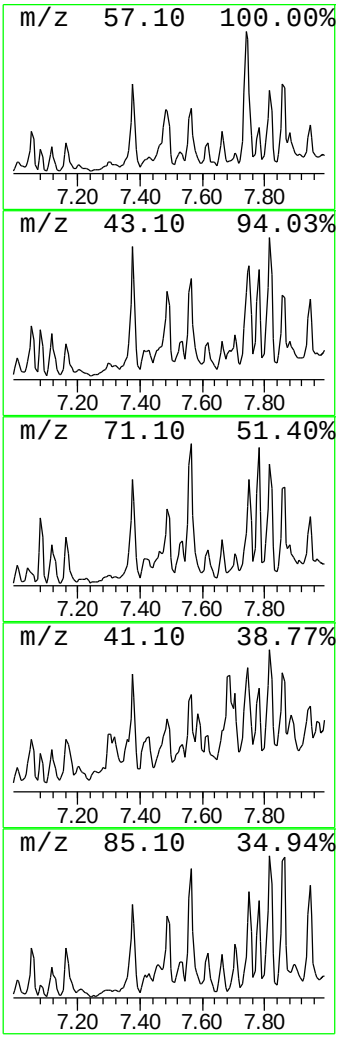
****

Peak Number 1 Undecane, 5-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	35.24 ng	2197250	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	74
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72
3	Nonane, 2-methyl-	142	C10H22	000871-83-0	59
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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

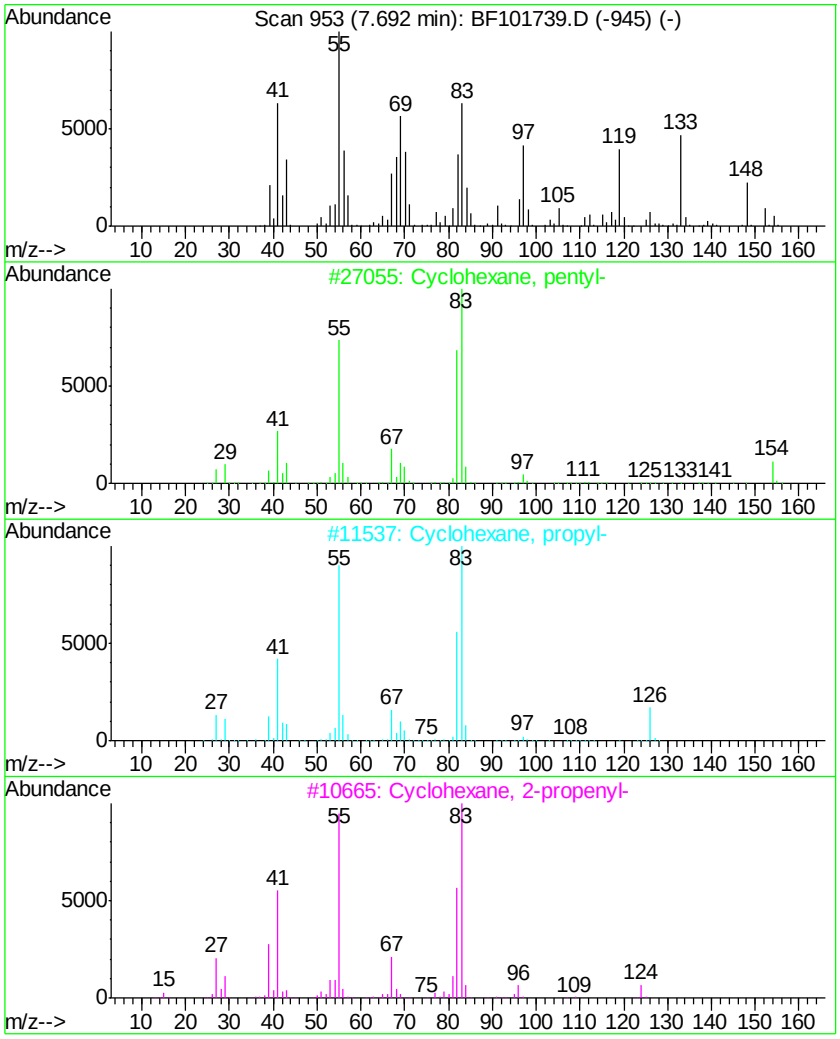
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

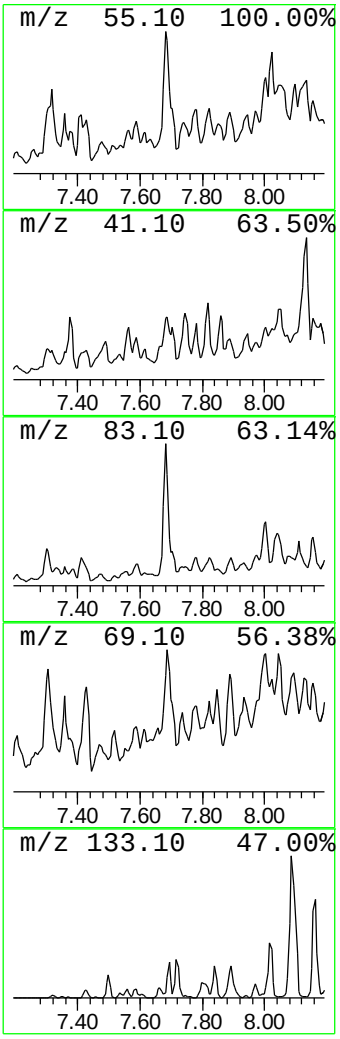
****

Peak Number 2 Cyclohexane, pentyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	55.11 ng	3436230	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	47
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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

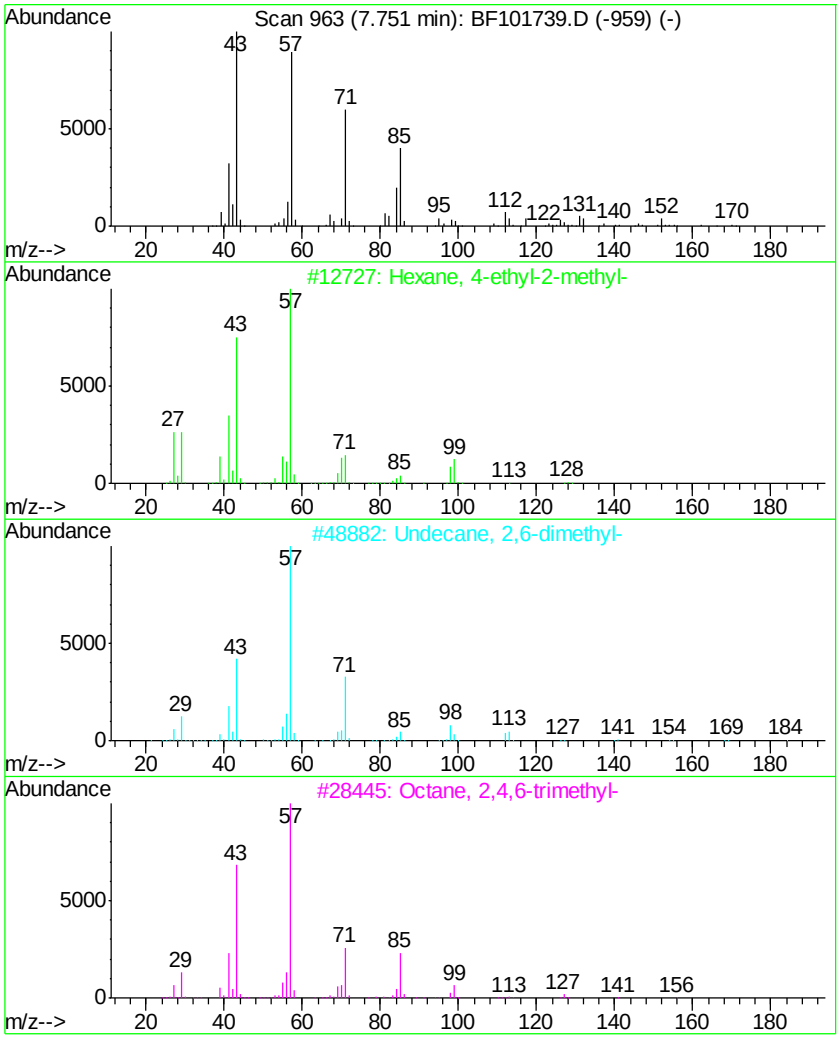
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

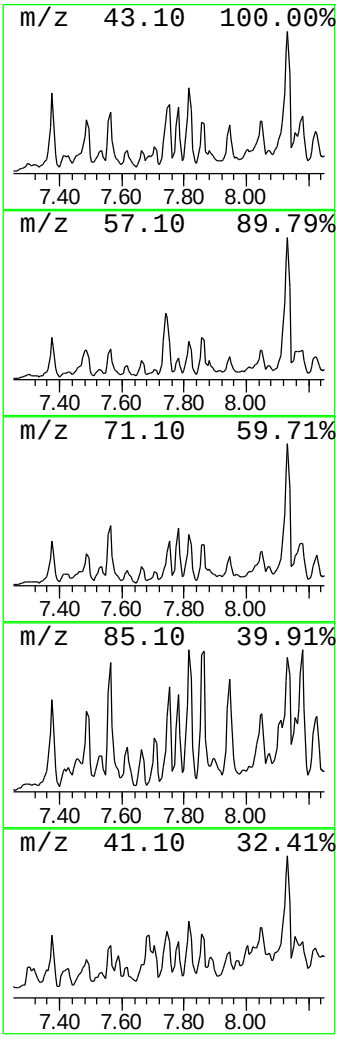
****

Peak Number 3 Hexane, 4-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	31.73 ng	1978710	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	53
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	47
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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

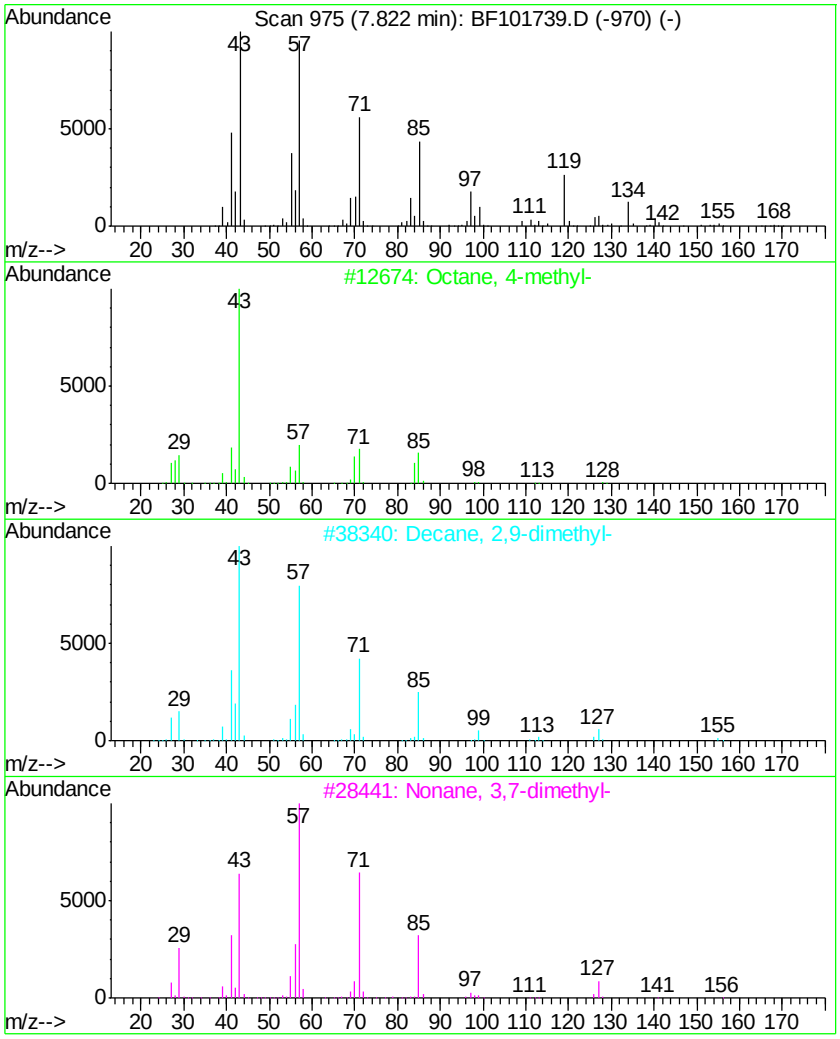
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

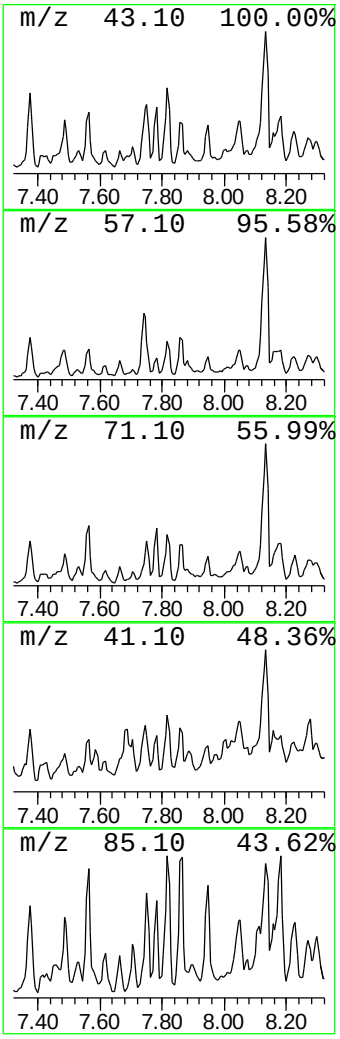
****

Peak Number 4 unknown7.82 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	38.51 ng	2401300	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	46
2	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	43
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	38
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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

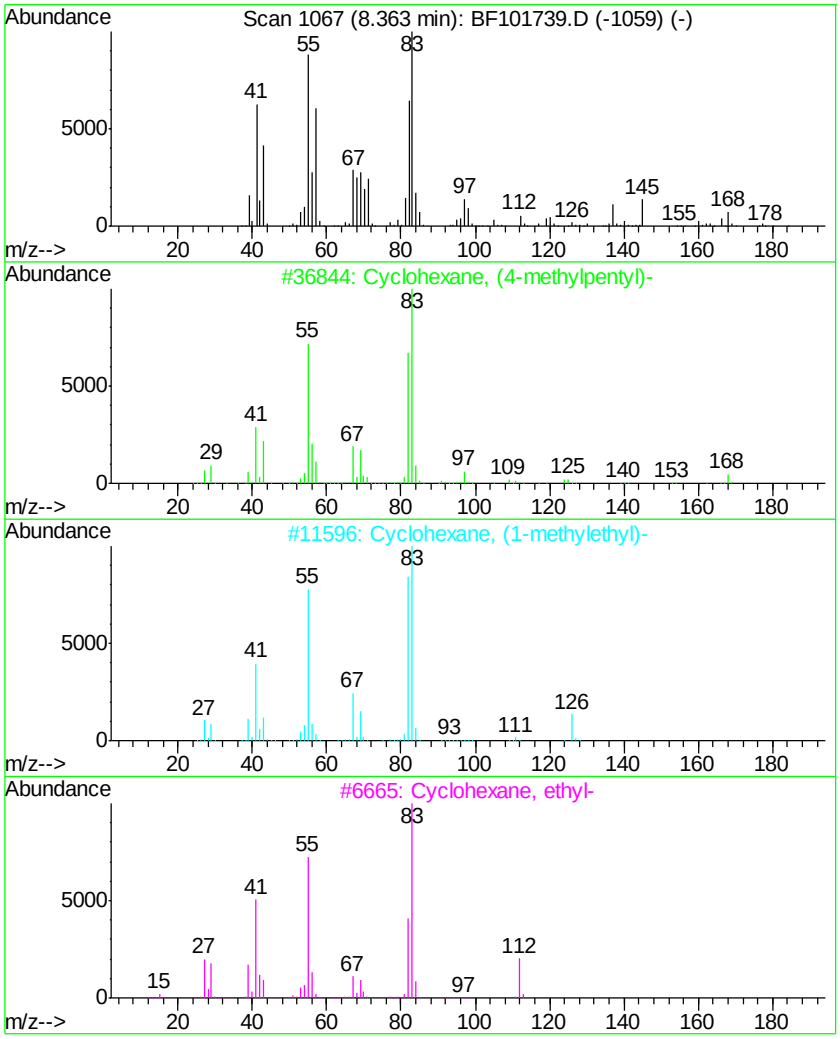
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

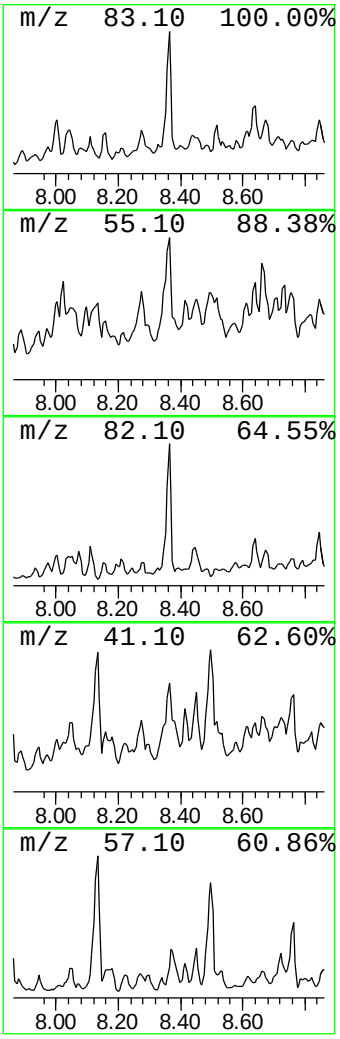
****

Peak Number 5 unknown8.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	111.98 ng	6982520	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
4	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43
5	Trichloroacetic acid, 6-chlorohe...	280	C8H12Cl4O2	1000330-89-2	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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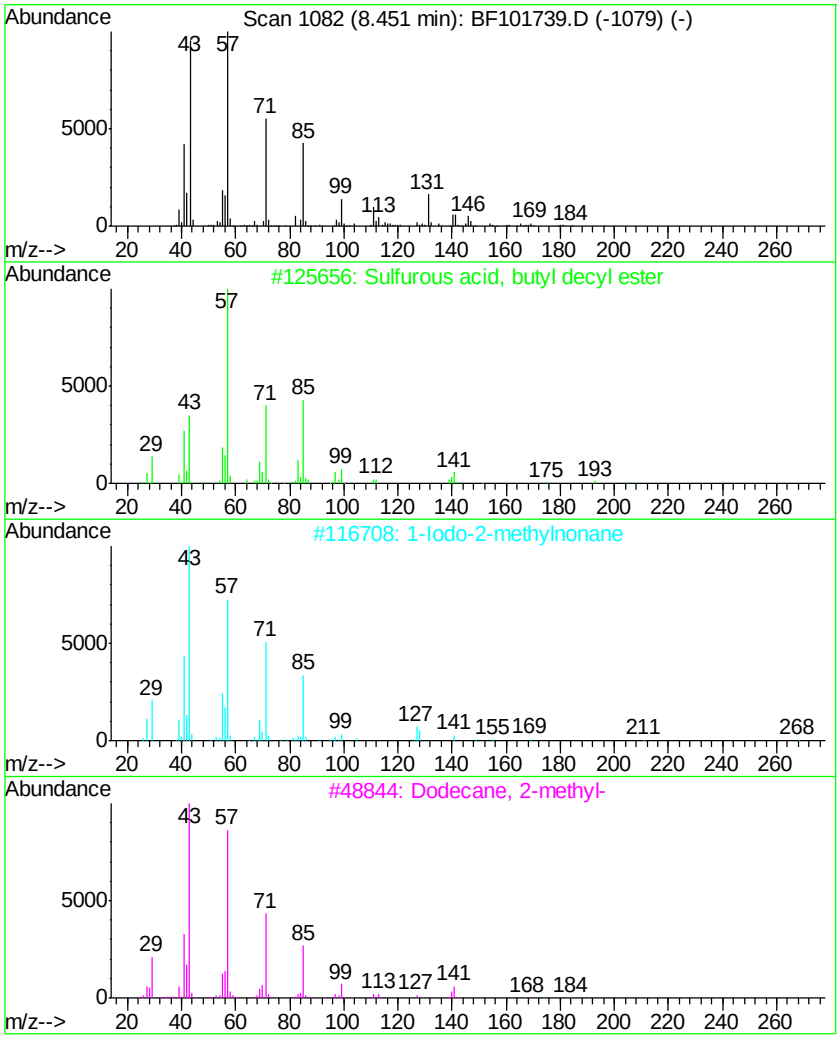
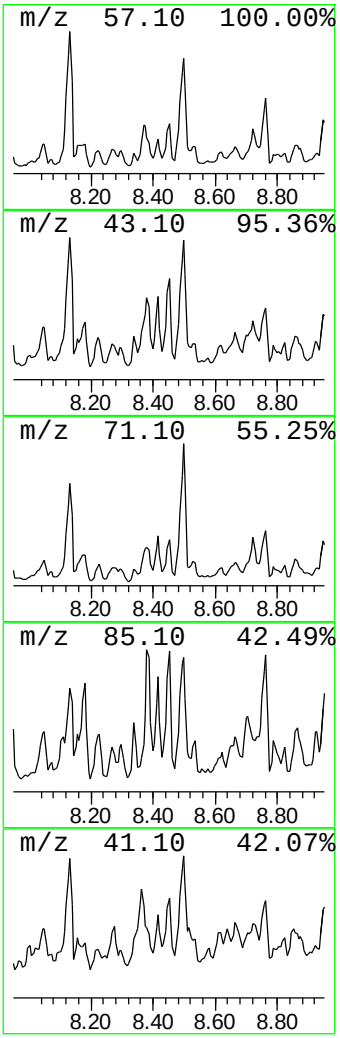
Peak Number 6 Sulfurous acid, butyl decyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	29.23 ng	1822470	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	64
2	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
4	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	53
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50





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Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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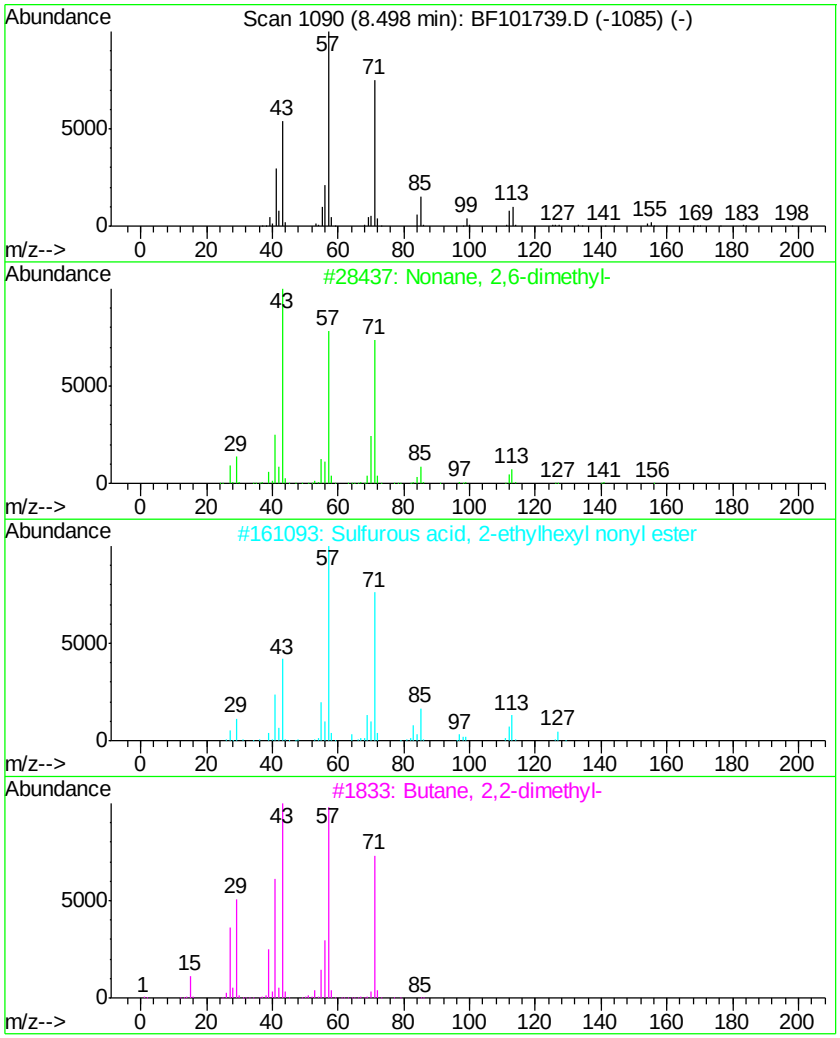
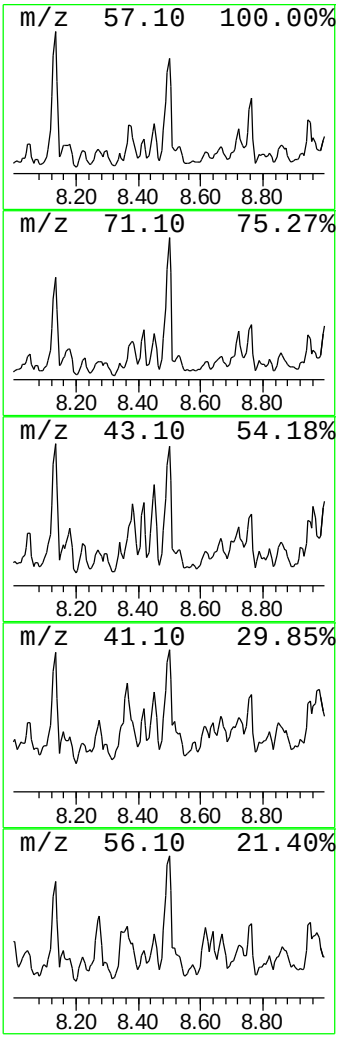
Peak Number 7 Nonane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	66.65 ng	4156020	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
5	3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	53





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Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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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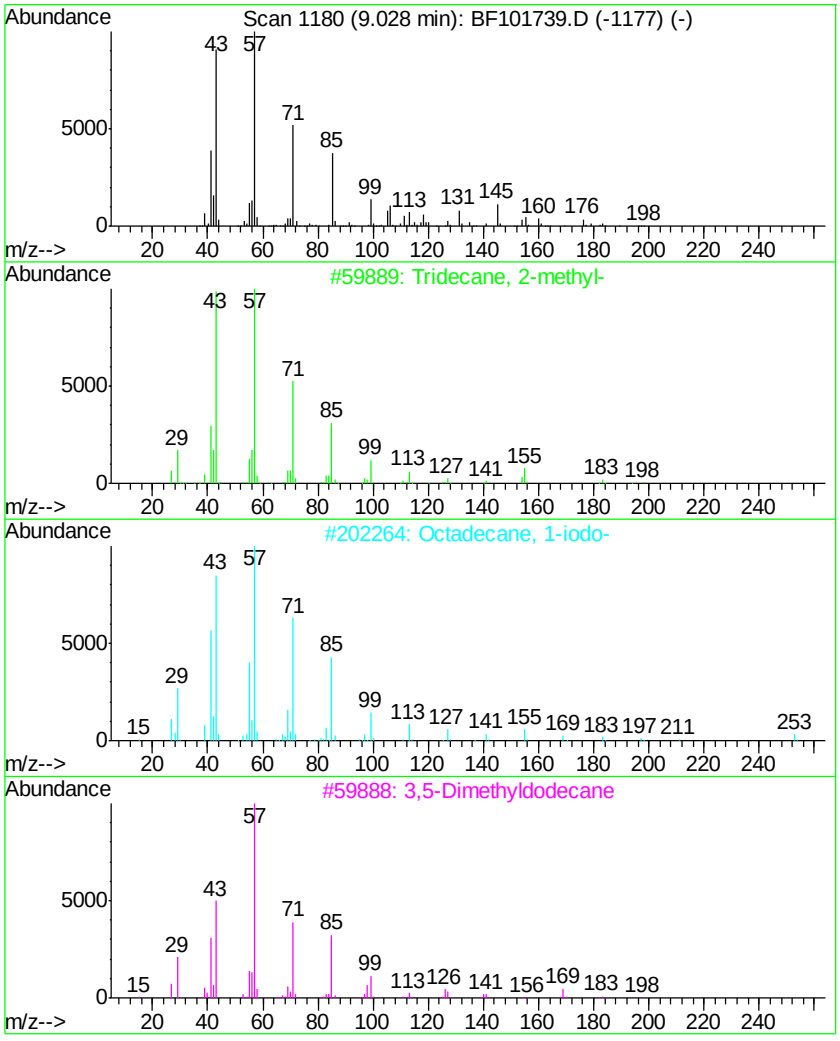
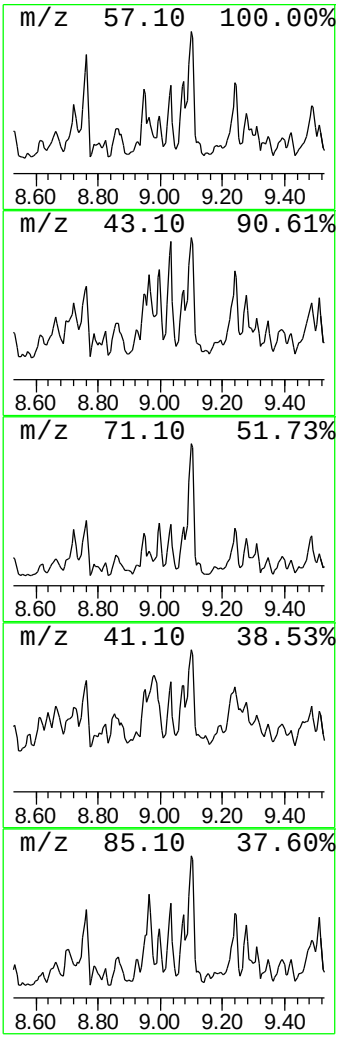
Peak Number 8 Tridecane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	34.59 ng	2073060	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	70
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	58
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	58
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	53
5	1-Iodoundecane	282	C11H23I	004282-44-4	53





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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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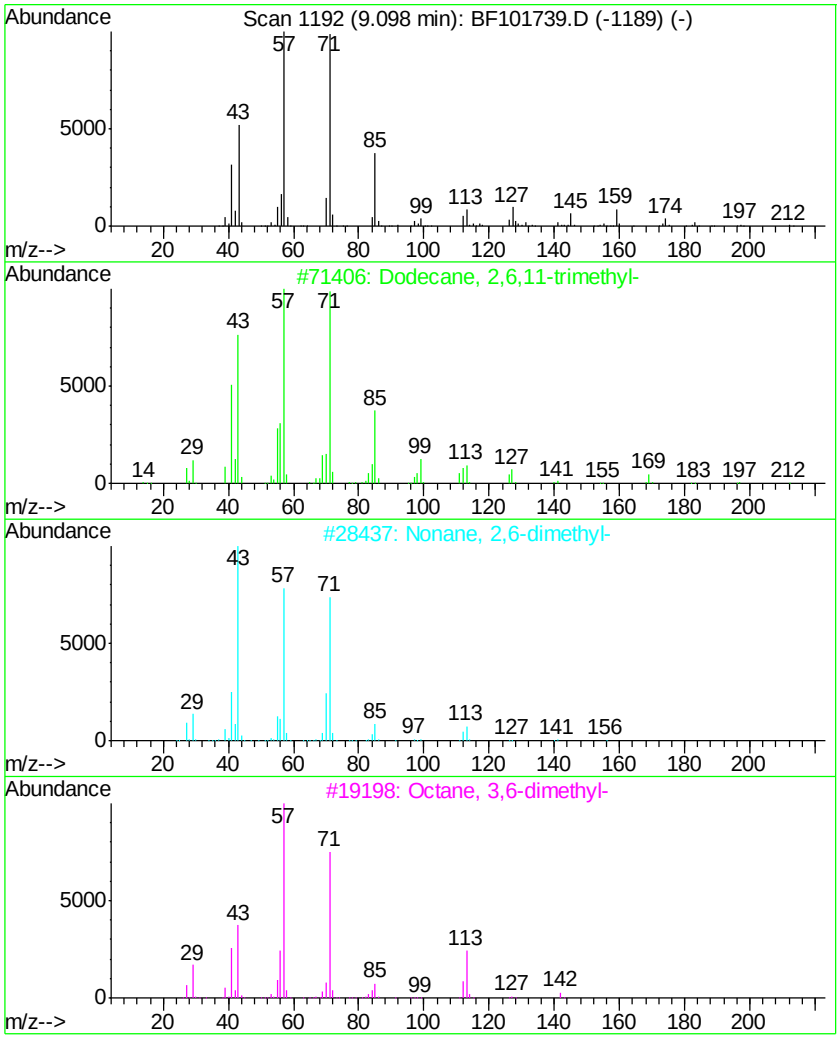
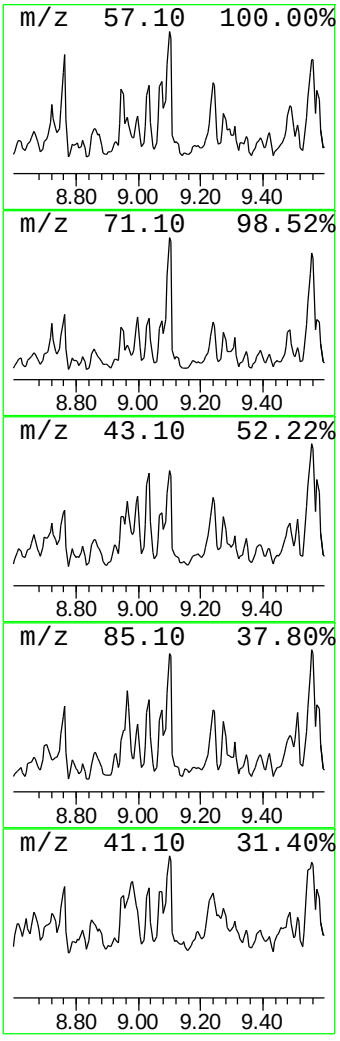
Peak Number 9 Dodecane, 2,6,11-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	62.46 ng	3742700	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	53
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	52





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Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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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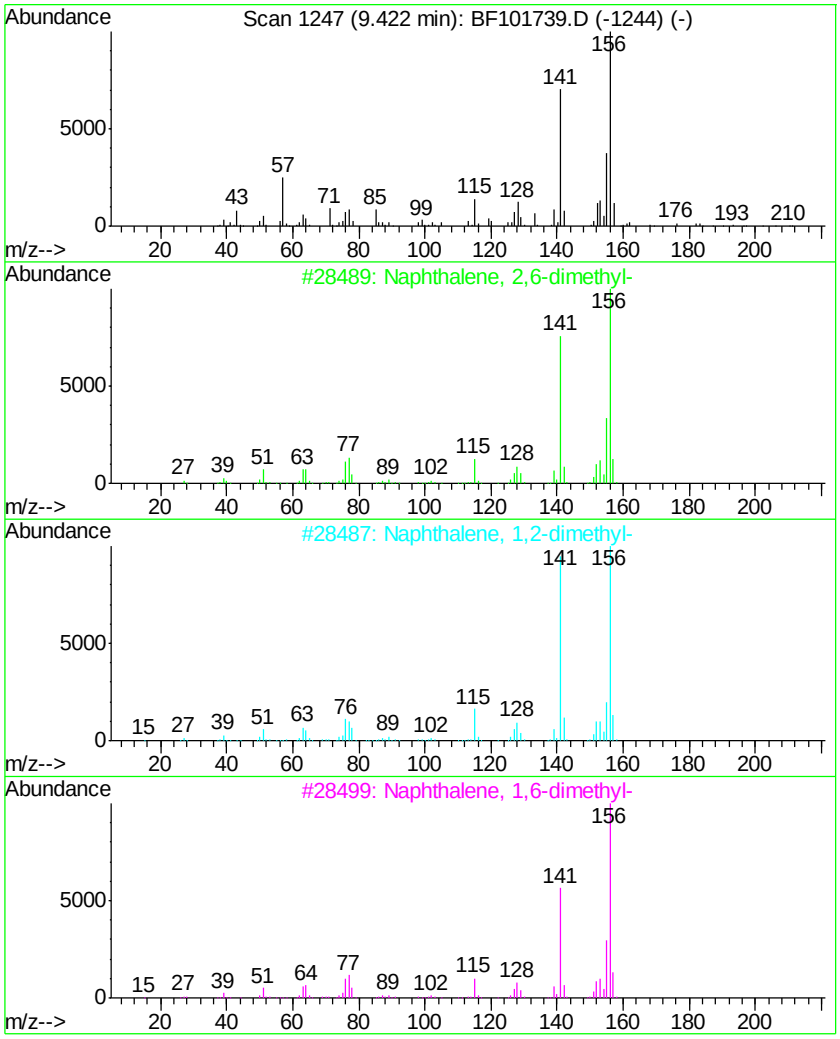
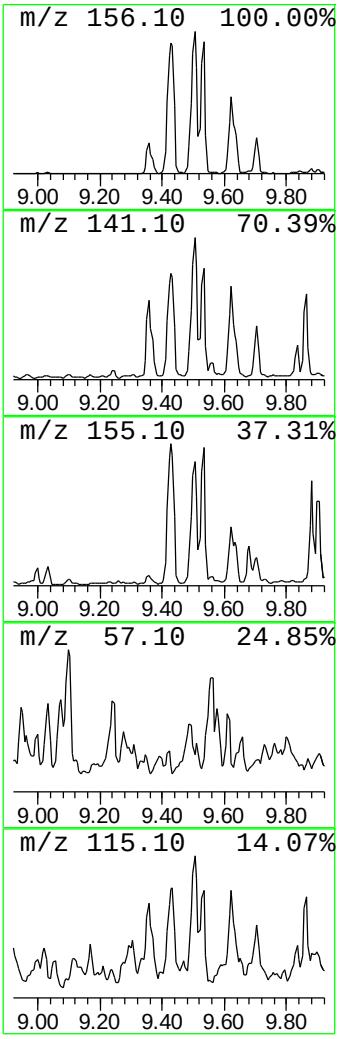
Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	40.14 ng	2405530	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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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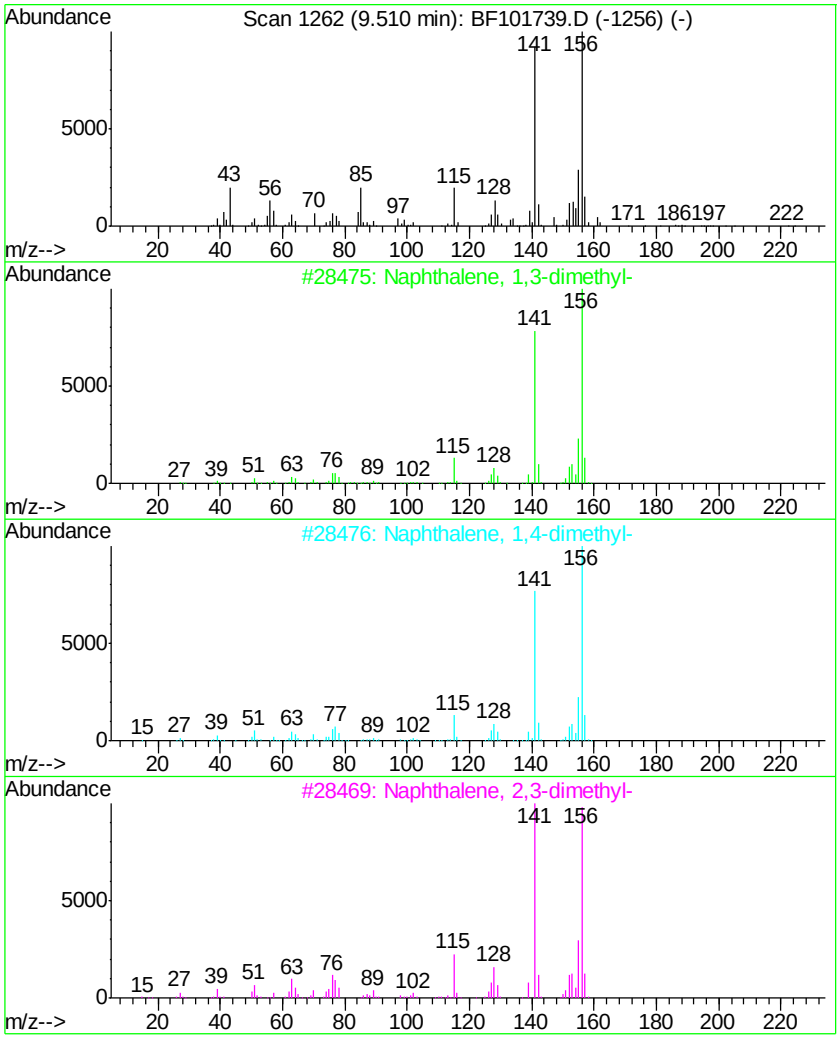
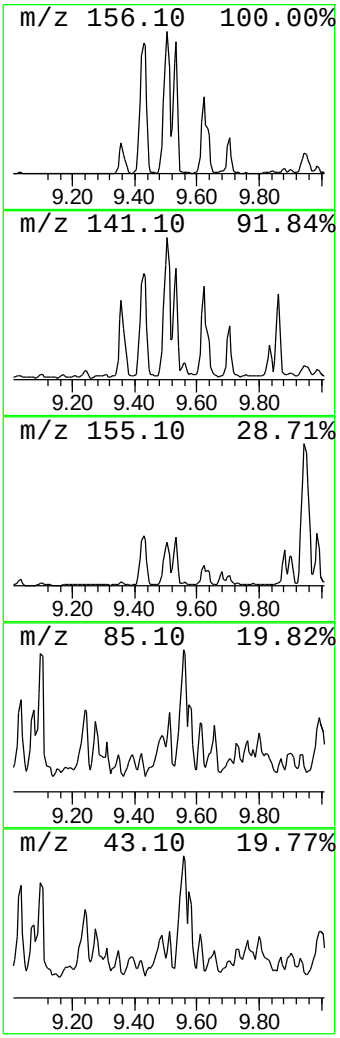
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	58.68 ng	3516510	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	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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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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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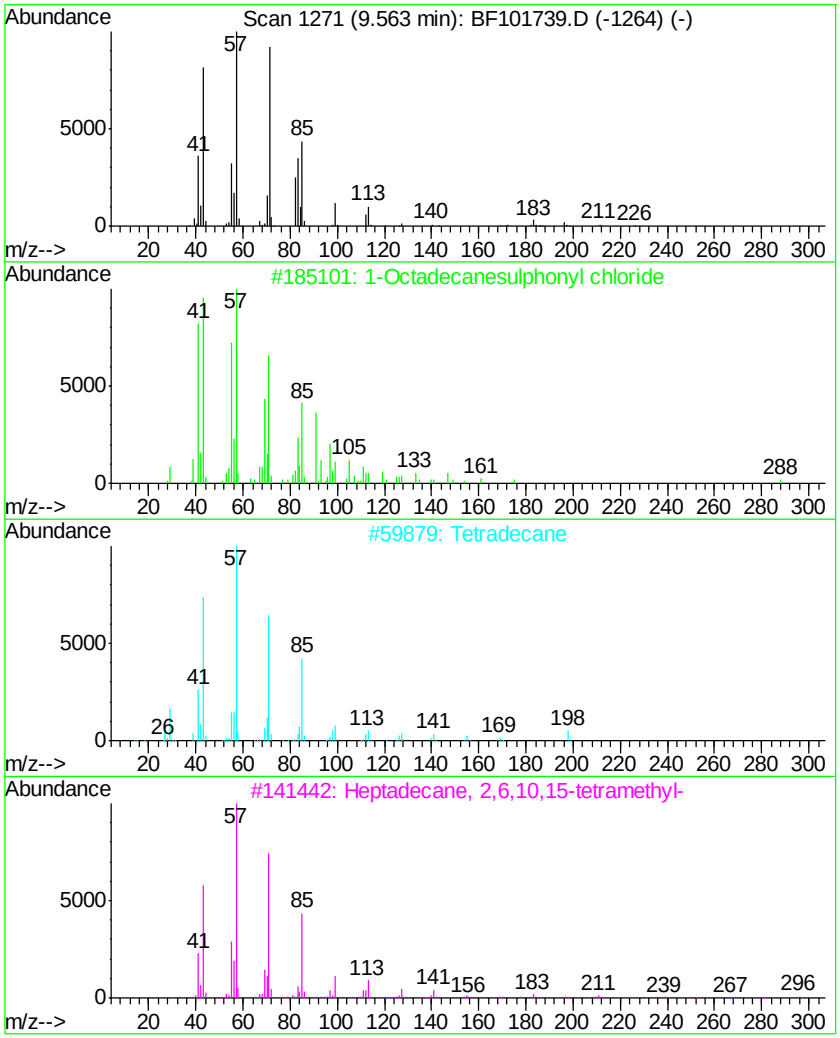
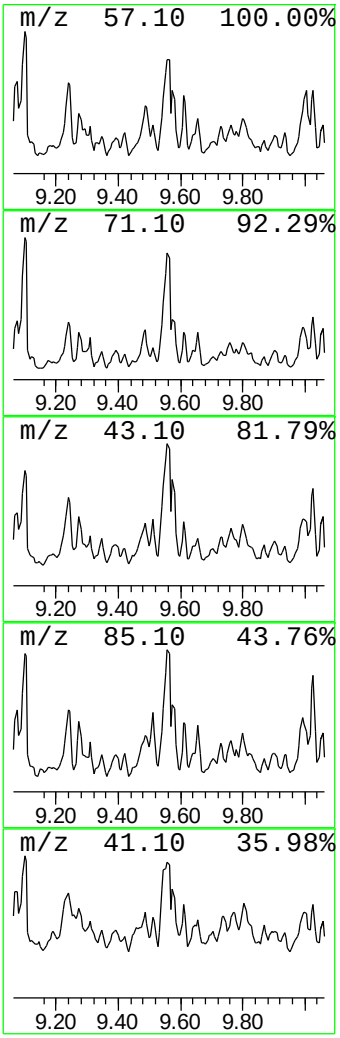
Peak Number 12 1-Octadecanesulphonyl chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	80.44 ng	4820440	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	78
2	Tetradecane	198	C14H30	000629-59-4	74
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
4	Decane, 5-propyl-	184	C13H28	017312-62-8	58
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	58





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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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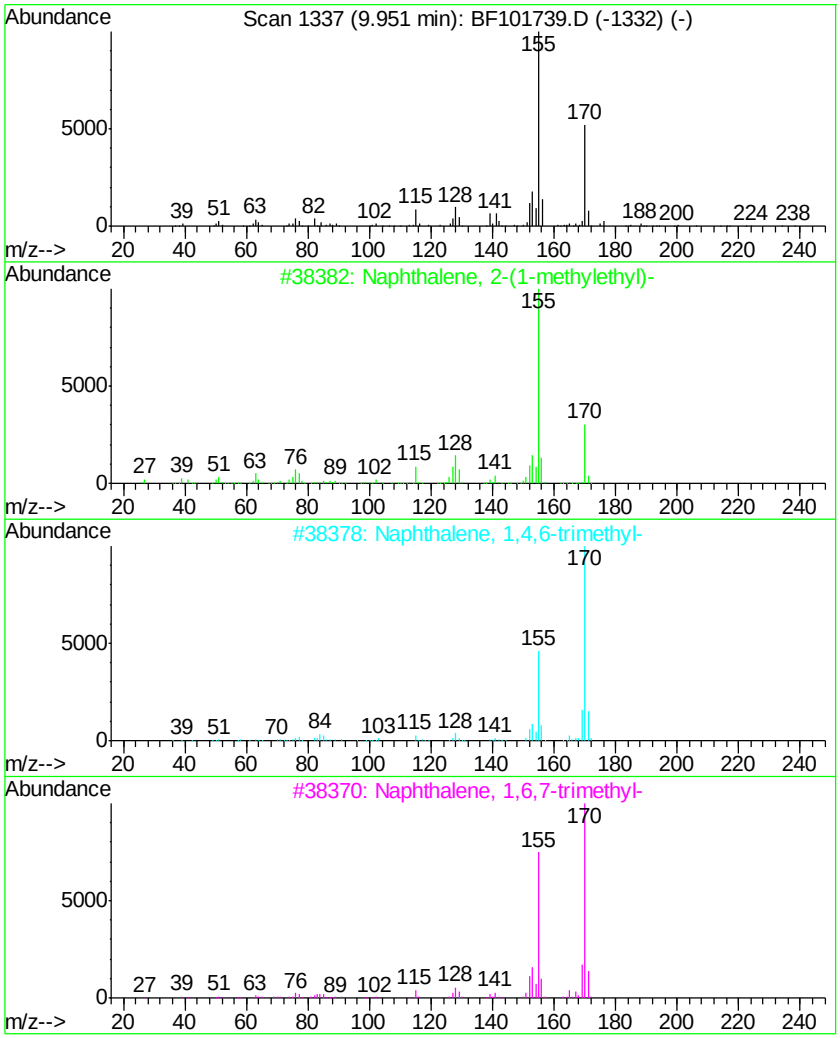
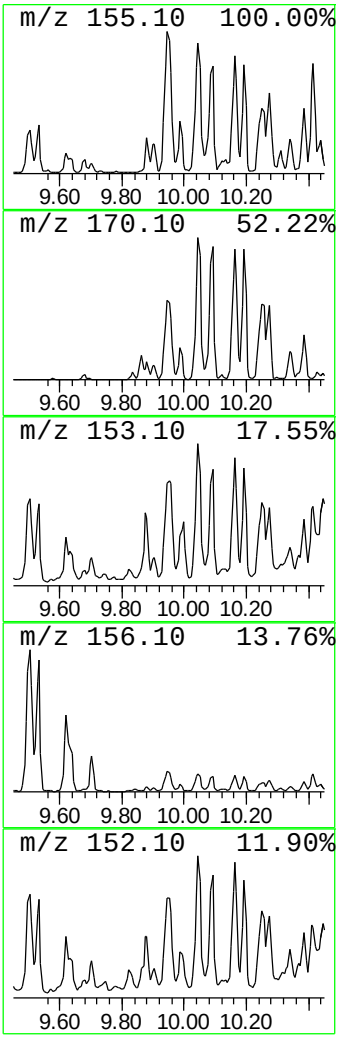
Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	32.51 ng	1948430	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	80
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	72
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	62





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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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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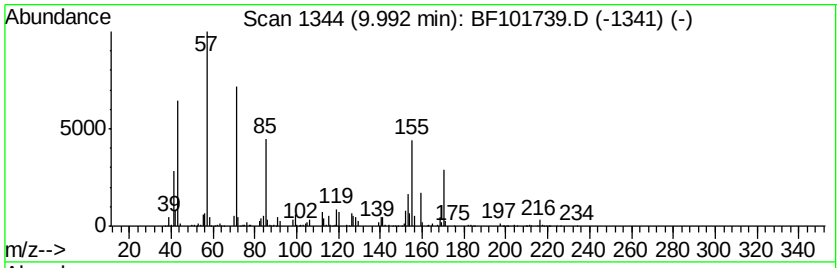
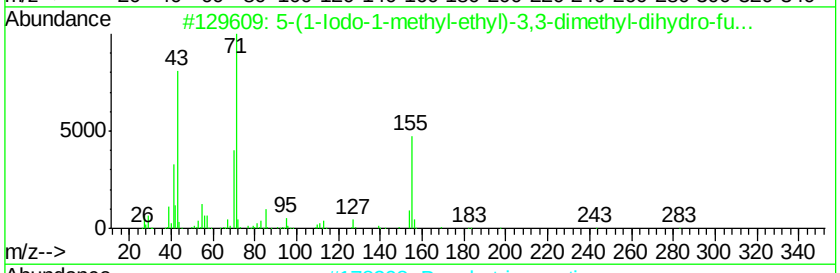
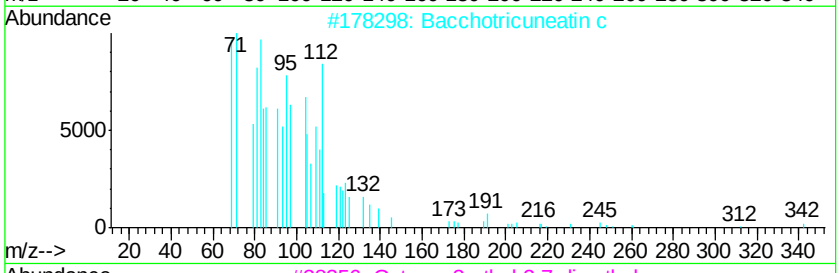
Peak Number 14 unknown9.99 Concentration Rank 20

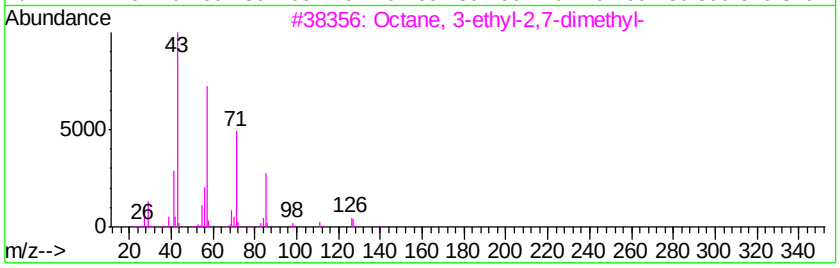
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	27.96 ng	1675410	Acenaphthene-d10	9.85

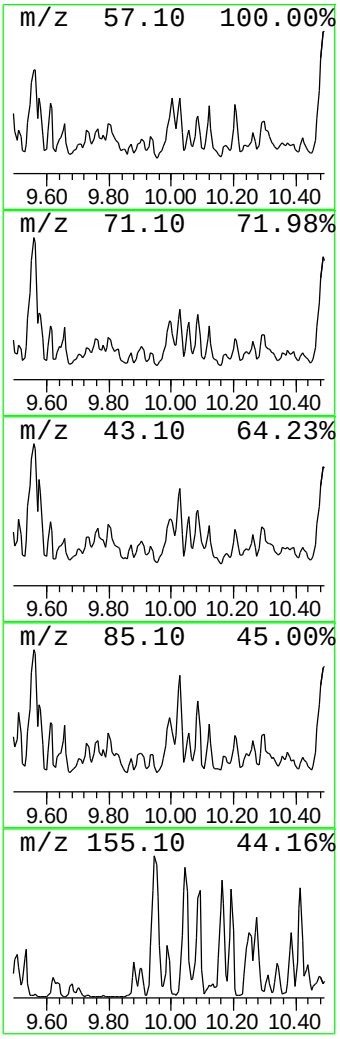
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(1-Iodo-1-methyl-ethyl)-3,3-di...	282	C9H15IO2	1000190-61-9	38
2	Bacchotricuneatin c	342	C20H22O5	066563-30-2	38
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	38
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38
5	Tetratetracontane	619	C44H90	007098-22-8	38











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Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : DB-SW1-7

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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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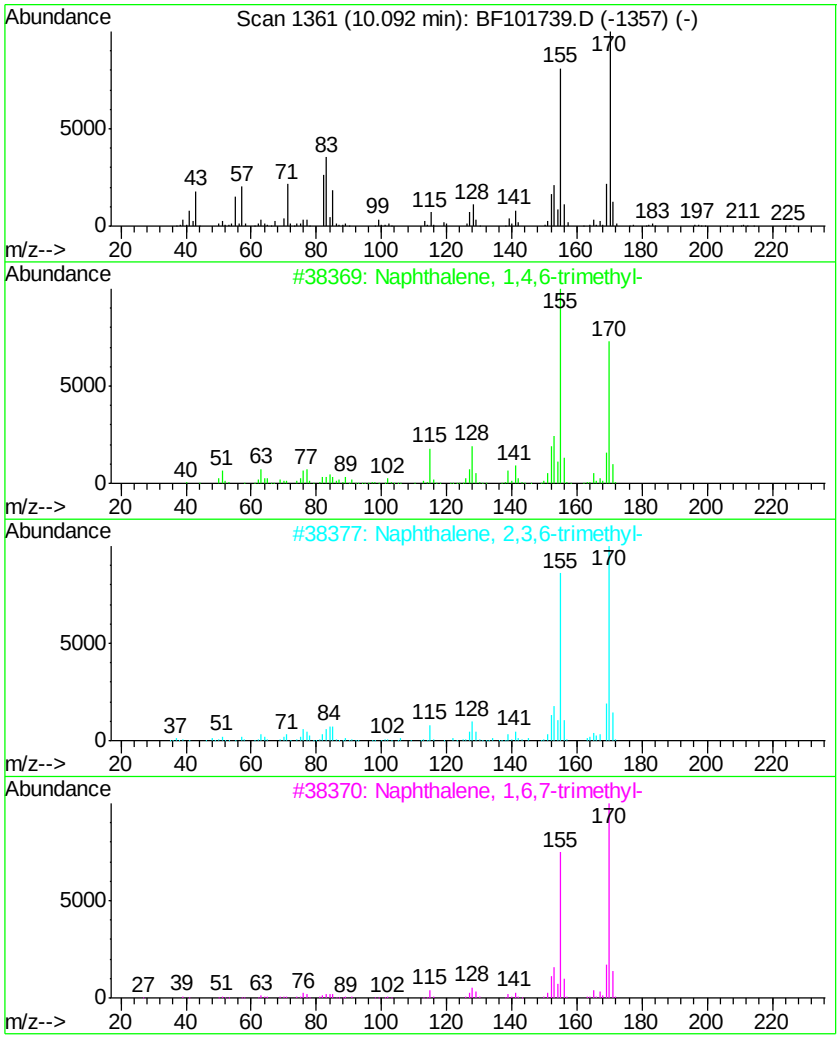
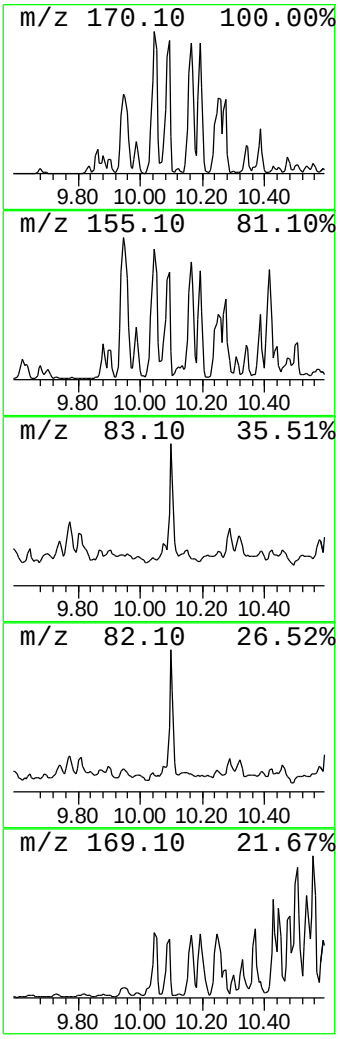
Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	48.23 ng	2889980	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	87
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87





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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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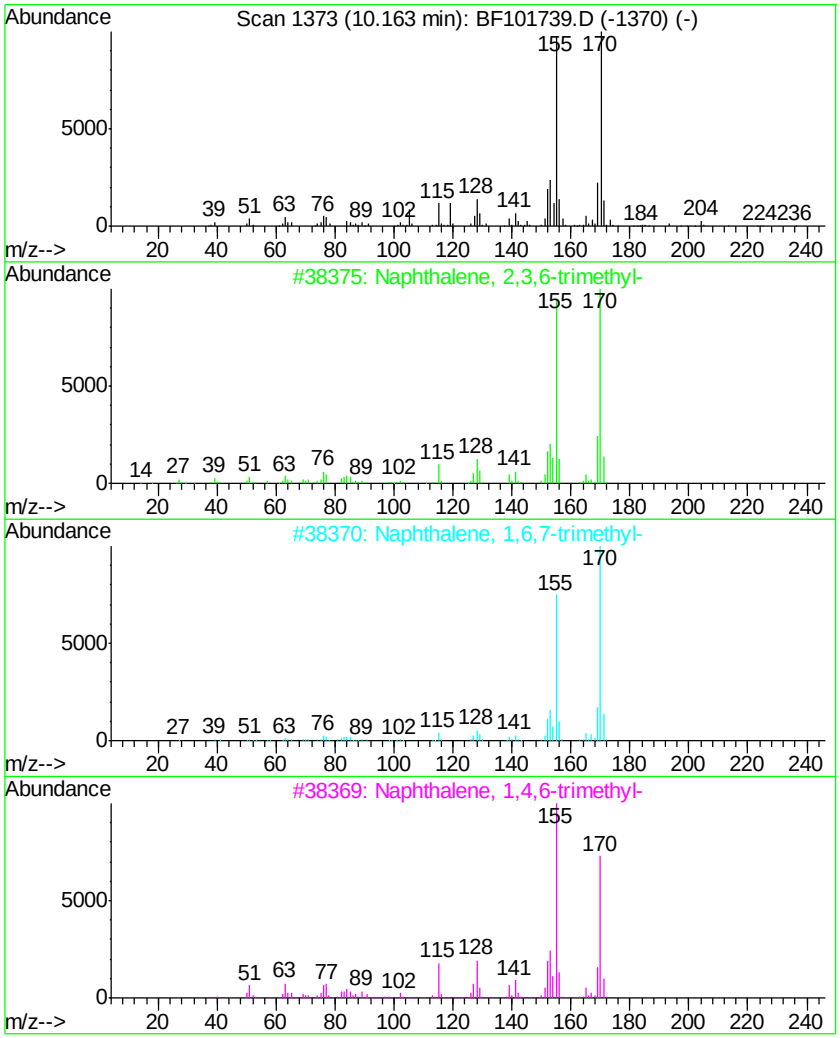
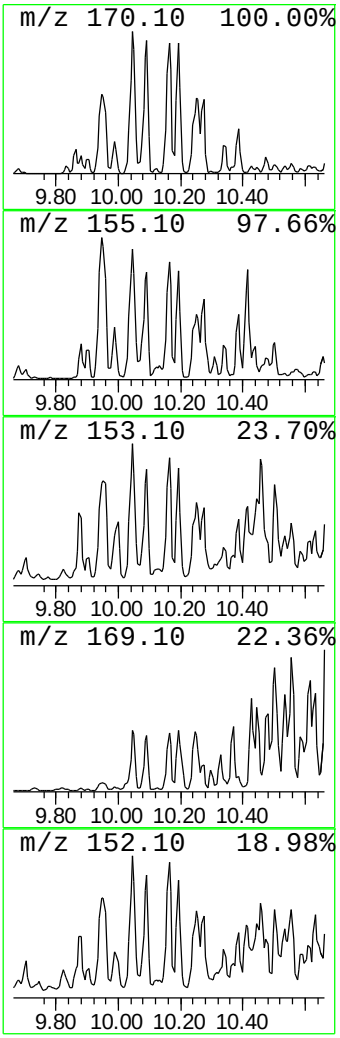
Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	30.48 ng	1826650	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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

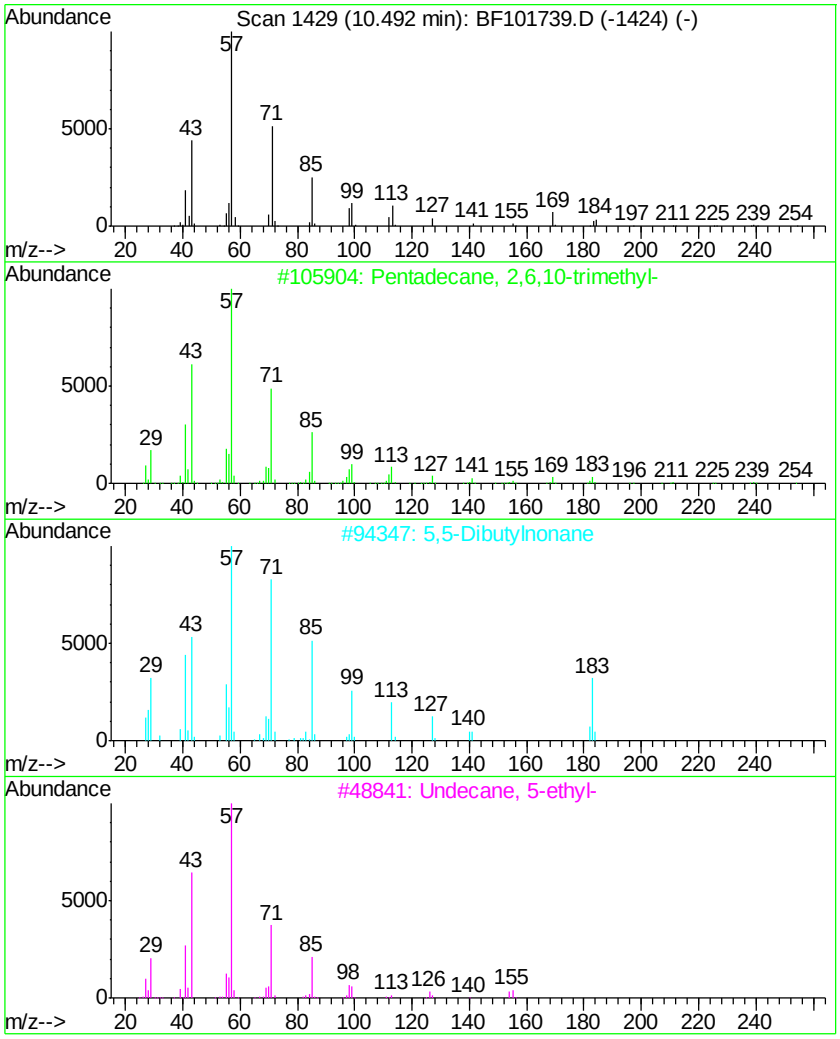
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

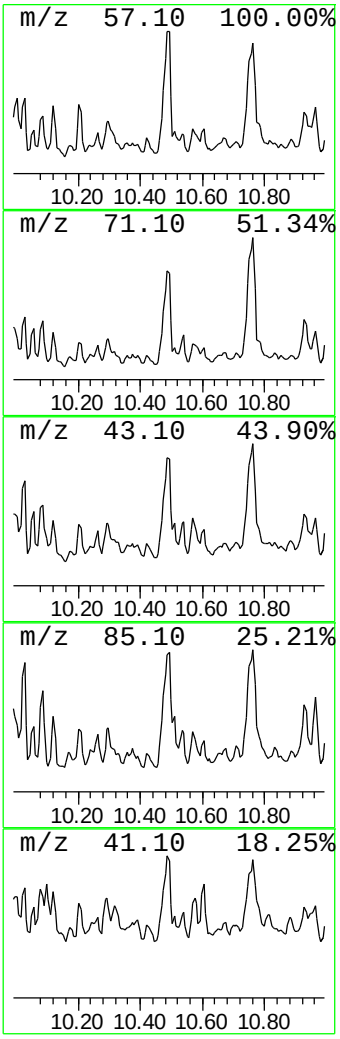
****

Peak Number 19 Pentadecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	72.33 ng	4334430	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	74
2	5,5-Dibutylnonane	240	C17H36	006008-17-9	64
3	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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

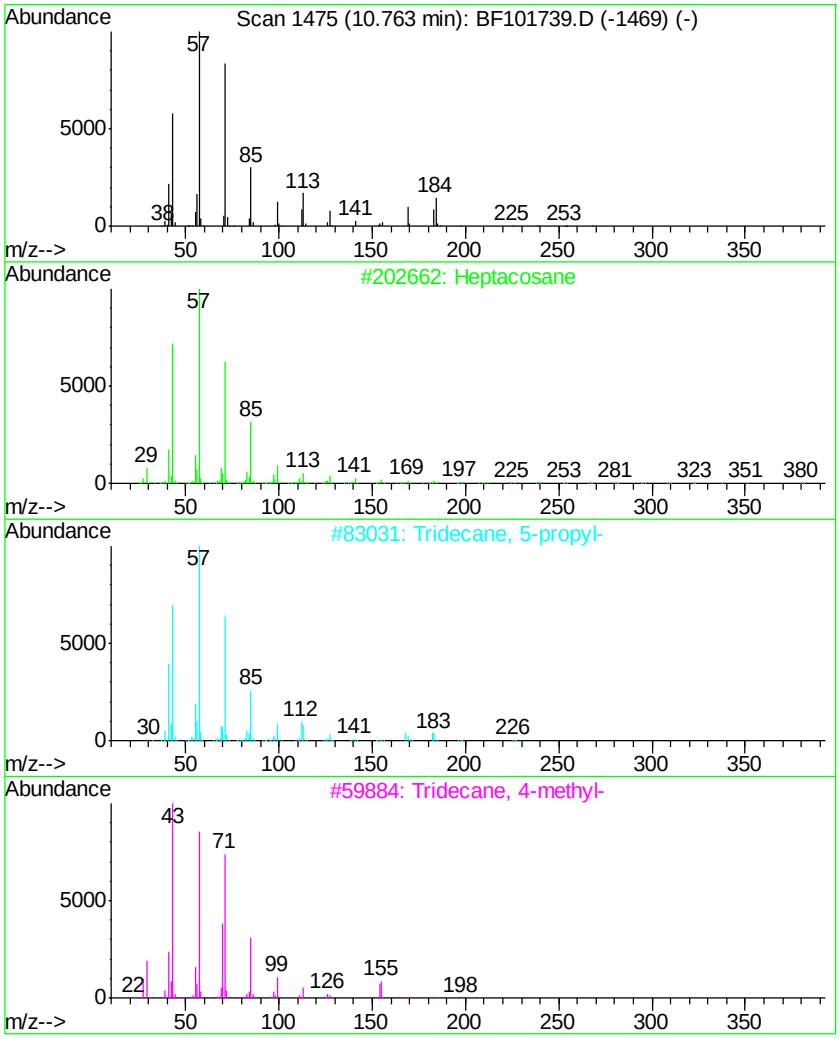
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

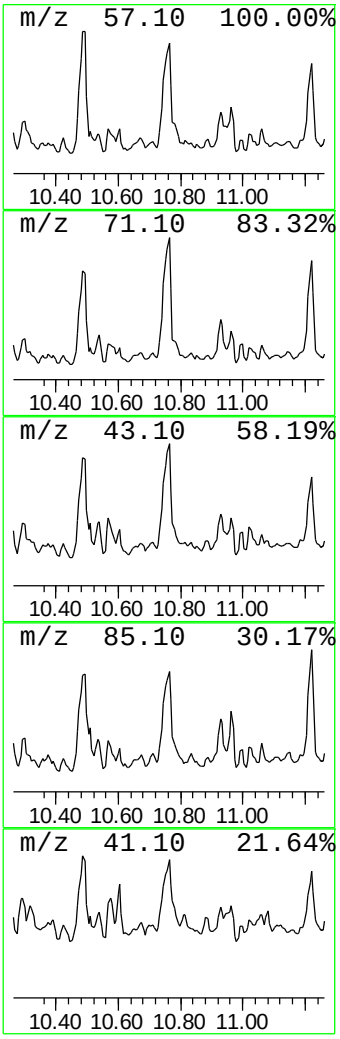
****

Peak Number 20 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	31.84 ng	4881310	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	72
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	59
4	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	50
5	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101739.D
Acq On : 27 Dec 2017 2:54
Operator : SJ/JU
Sample : I7021-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-SW1-7

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
Undecane, 5-methyl-	7.49	35.2	ng	2197250	2	8.08	1247130	20.0
Cyclohexane, pentyl-	7.69	55.1	ng	3436230	2	8.08	1247130	20.0
Hexane, 4-ethyl-2...	7.75	31.7	ng	1978710	2	8.08	1247130	20.0
unknown7.82	7.82	38.5	ng	2401300	2	8.08	1247130	20.0
unknown8.36	8.36	112.0	ng	6982520	2	8.08	1247130	20.0
Sulfurous acid, b...	8.45	29.2	ng	1822470	2	8.08	1247130	20.0
Nonane, 2,6-dimet...	8.50	66.7	ng	4156020	2	8.08	1247130	20.0
Tridecane, 2-methyl-	9.03	34.6	ng	2073060	3	9.85	1198490	20.0
Dodecane, 2,6,11-...	9.10	62.5	ng	3742700	3	9.85	1198490	20.0
Naphthalene, 2,6-...	9.42	40.1	ng	2405530	3	9.85	1198490	20.0
Naphthalene, 1,3-...	9.51	58.7	ng	3516510	3	9.85	1198490	20.0
1-Octadecanesulph...	9.56	80.4	ng	4820440	3	9.85	1198490	20.0
Naphthalene, 2-(1...	9.95	32.5	ng	1948430	3	9.85	1198490	20.0
unknown9.99	9.99	28.0	ng	1675410	3	9.85	1198490	20.0
Naphthalene, 1,4,...	10.09	48.2	ng	2889980	3	9.85	1198490	20.0
Naphthalene, 2,3,...	10.16	30.5	ng	1826650	3	9.85	1198490	20.0
Pentadecane, 2,6,...	10.49	72.3	ng	4334430	3	9.85	1198490	20.0
Heptacosane	10.76	31.8	ng	4881310	4	11.34	3066560	20.0