LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

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-BF012218.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	3.675	265	270	275	rVB	51806	78020	2.16%	0.174%
2	4.916	478	481	486	rBV	72241	85487	2.37%	0.191%
3	5.281	540	543	548	rBV	58755	90317	2.50%	0.202%
4	5.334	548	552	567	rVB	2569005	2713452	75.26%	6.056%
5	6.145	685	690	692	rBV2	39476	52318	1.45%	0.117%
6	6.239	703	706	709	rBV	81005	92535	2.57%	0.207%
7	6.363	722	727	738	rBV	2382917	2895553	80.31%	6.463%
8	6.492	744	749	752	rBV	2750568	2736462	75.90%	6.108%
9	6.545	754	758	760	rBV2	102421	110700	3.07%	0.247%
10	6.716	783	787	793	rVB	946907	863332	23.94%	1.927%
11	6.769	793	796	799	rBV2	70801	61879	1.72%	0.138%
12	6.869	808	813	816	rBV	2287552	2191227	60.77%	4.891%
13	6.981	827	832	837	rVB4	93075	141189	3.92%	0.315%
14	7.034	837	841	843	rBV2	46241	52094	1.44%	0.116%
15	7.104	847	853	856	rBV5	81682	93389	2.59%	0.208%
16	7.286	879	884	886	rBV	1657206	1693384	46.97%	3.780%
17	7.310	886	888	891	rVB	108457	89951	2.49%	0.201%
18	7.357	891	896	899	rVB6	74122	84158	2.33%	0.188%
19	7.516	921	923	926	rVB2	77652	68385	1.90%	0.153%
20	7.633	938	943	947	rBV7	42456	52402	1.45%	0.117%
21	7.739	958	961	967	rBV3	90827	130526	3.62%	0.291%
22	7.998	999	1005	1007	rBV	1248315	1094360	30.35%	2.443%
23	8.022	1007	1009	1012	rVB	405425	326140	9.05%	0.728%
24	8.281	1049	1053	1059	rBV7	34557	52429	1.45%	0.117%
25	8.351	1061	1065	1067	rBV3	45042	60905	1.69%	0.136%
26	8.416	1073	1076	1078	rBV	68888	57382	1.59%	0.128%
27	8.586	1102	1105	1108	rBV	69530	58720	1.63%	0.131%
28	8.710	1123	1126	1129	rBV	347233	276186	7.66%	0.616%
29	8.775	1133	1137	1141	rBV	428588	562737	15.61%	1.256%
30	8.810	1141	1143	1151	rVB	372326	338149	9.38%	0.755%
31	9.016	1175	1178	1182	rBV	125394	102981	2.86%	0.230%
32	9.075	1183	1188	1191	rBV	3187935	2759558	76.54%	6.159%
33	9.151	1196	1201	1203	rBV	152008	175218	4.86%	0.391%
34	9.175	1203	1205	1209	rVV3	94233	89992	2.50%	0.201%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

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-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.269	1218	1221	1227	rVB	79516	95204	2.64%	0.212%
36	9.339	1229	1233	1236	rVV	126474	158909	4.41%	0.355%
37	9.410	1242	1245	1247	rBV	243154	239873	6.65%	0.535%
38	9.433	1247	1249	1251	rVV	134345	126413	3.51%	0.282%
39	9.469	1252	1255	1258	rVV	598817	528877	14.67%	1.180%
40	9.527	1262	1265	1267	rVV2	129689	106712	2.96%	0.238%
41	9.563	1269	1271	1274	rVB3	60121	54197	1.50%	0.121%
42	9.610	1276	1279	1284	rBV2	278642	265201	7.36%	0.592%
43	9.657	1284	1287	1289	rBV	144946	120451	3.34%	0.269%
44	9.680	1289	1291	1295	rBV	140658	133950	3.72%	0.299%
45	9.751	1300	1303	1306	rVV2	1141683	1000933	27.76%	2.234%
46	9.786	1306	1309	1313	rVB	833889	744062	20.64%	1.661%
47	9.857	1318	1321	1324	rVV2	100722	107207	2.97%	0.239%
48	9.957	1333	1338	1342	rBV	394523	447984	12.42%	1.000%
49	10.004	1342	1346	1349	rBV3	139039	196527	5.45%	0.439%
50	10.069	1354	1357	1358	rBV2	130004	136184	3.78%	0.304%
51	10.151	1369	1371	1374	rBV3	201291	226112	6.27%	0.505%
52	10.180	1374	1376	1378	rVB2	201564	153871	4.27%	0.343%
53	10.204	1378	1380	1382	rBV2	94579	80383	2.23%	0.179%
54	10.298	1393	1396	1401	rBV	842491	759627	21.07%	1.696%
55	10.404	1411	1414	1418	rVB	408980	414367	11.49%	0.925%
56	10.451	1420	1422	1426	rVB2	169319	169078	4.69%	0.377%
57	10.545	1435	1438	1442	rBV	1237734	1154862	32.03%	2.578%
58	10.669	1454	1459	1466	rVB	963030	1214476	33.68%	2.711%
59	11.133	1535	1538	1544	rVB	1094827	1085147	30.10%	2.422%
60	11.245	1553	1557	1558	rBV	683866	753283	20.89%	1.681%
61	11.274	1558	1562	1565	rVV	3350123	3418656	94.82%	7.631%
62	11.321	1567	1570	1572	rVB	1092216	927762	25.73%	2.071%
63	11.480	1594	1597	1601	rVB2	571905	707516	19.62%	1.579%
64	11.774	1645	1647	1651	rVB	562256	478671	13.28%	1.068%
65	11.857	1659	1661	1664	rBV	692946	668864	18.55%	1.493%
66	12.480	1762	1767	1770	rBV	2697174	3605538	100.00%	8.048%
67	12.710	1800	1806	1810	rBV2	2359783	3602115	99.91%	8.040%
68	12.839	1826	1828	1830	rVB	779785	587943	16.31%	1.312%

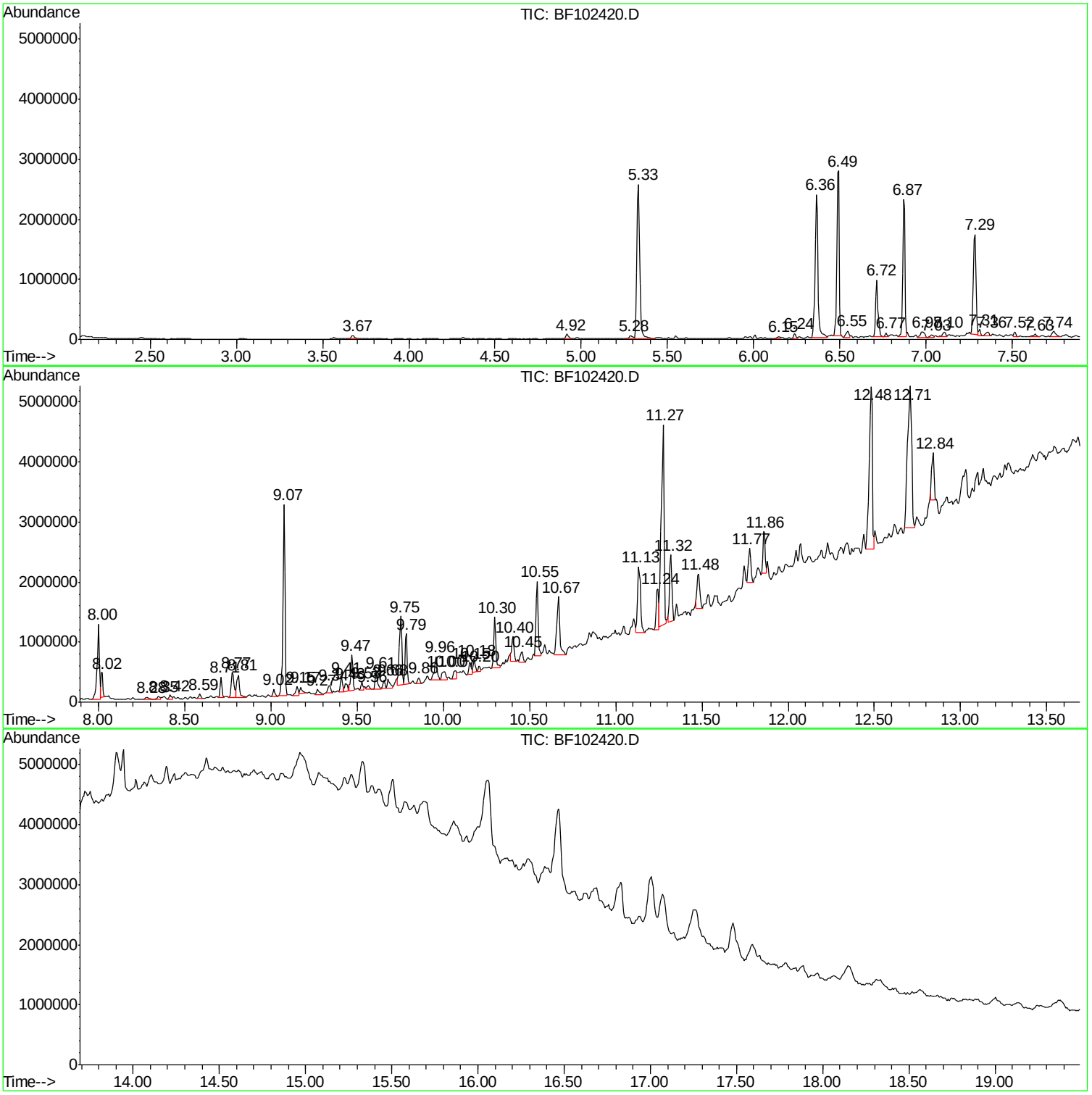
Sum of corrected areas: 44802472

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

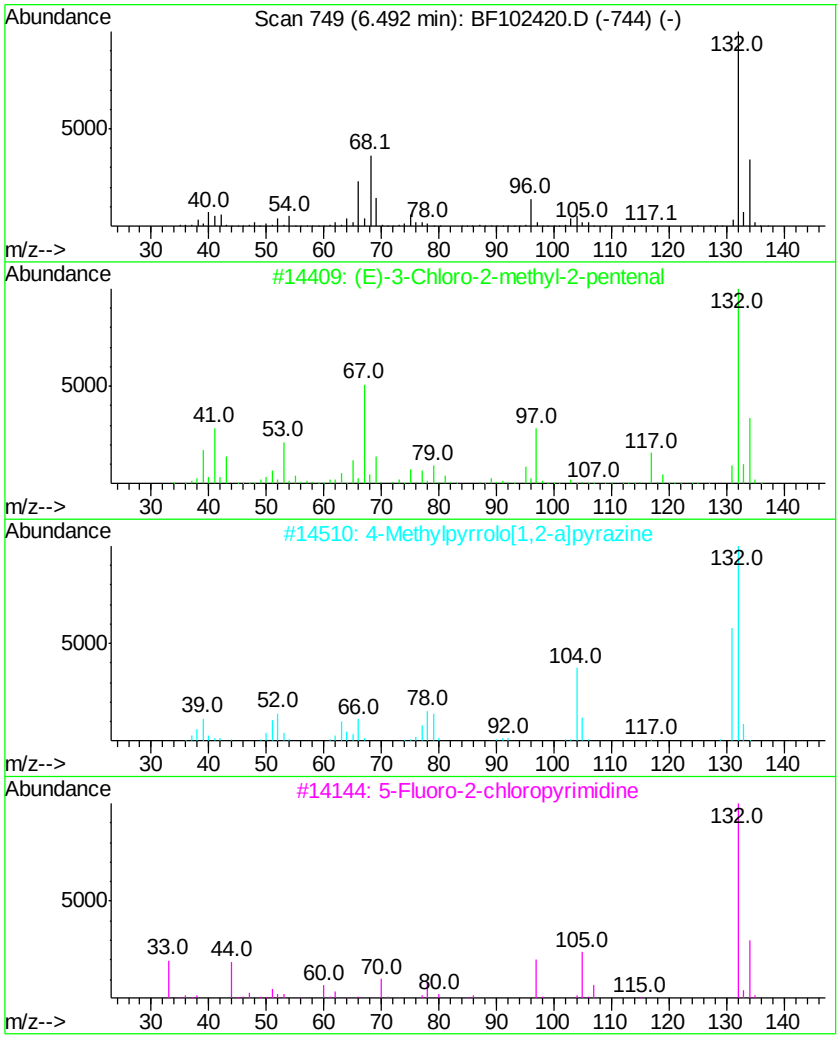
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

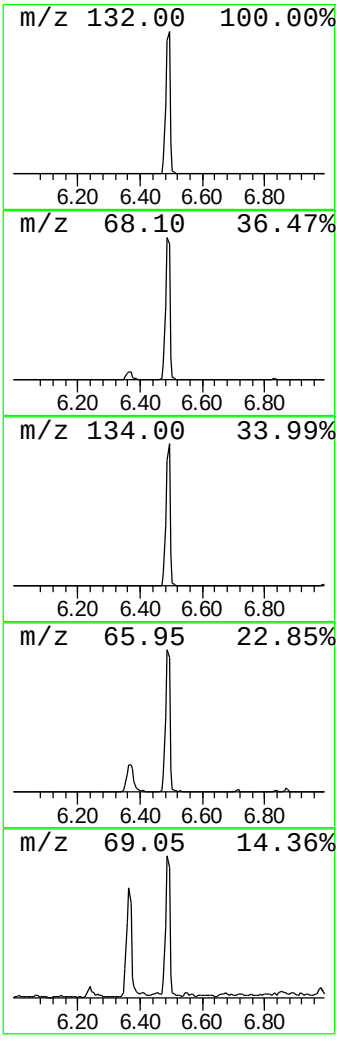
****

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	63.39 ng	2736460	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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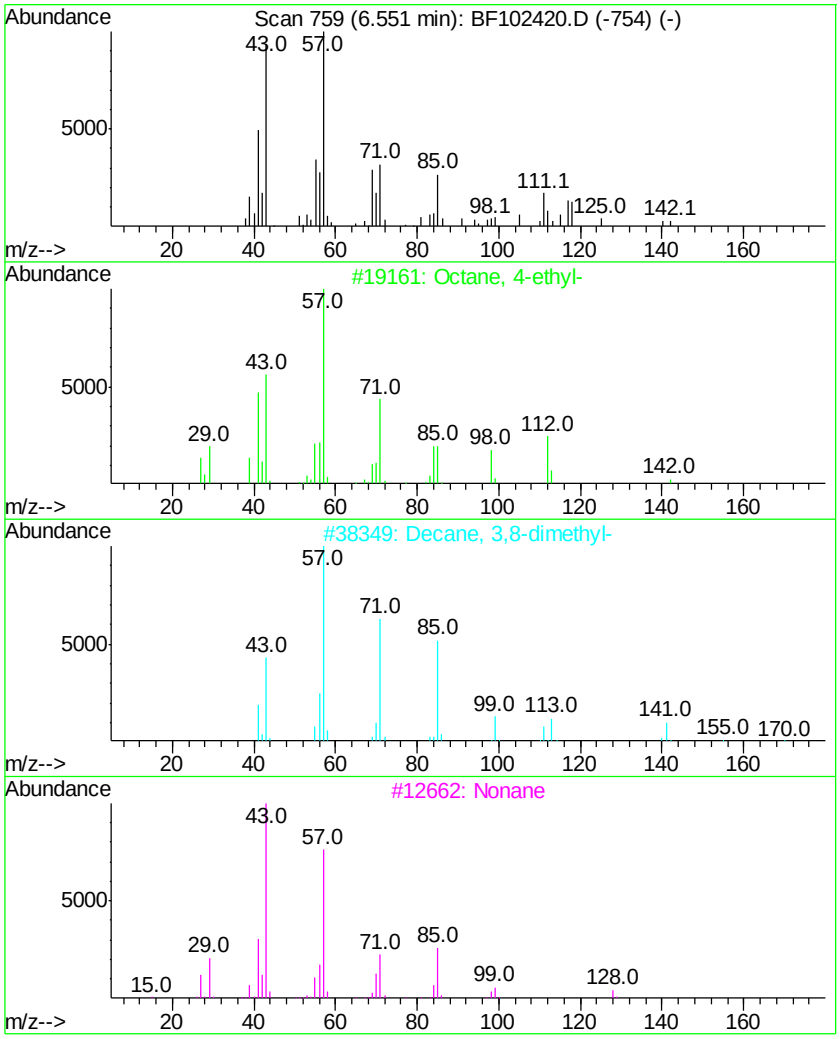
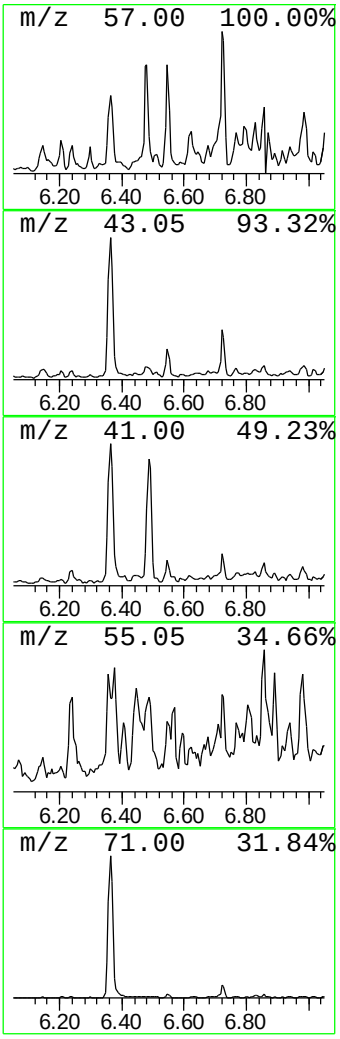
Peak Number 2 unknown6.55 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	2.56 ng	110700	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	49
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47
3	Nonane	128	C9H20	000111-84-2	47
4	Hexadecane	226	C16H34	000544-76-3	47
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43





Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

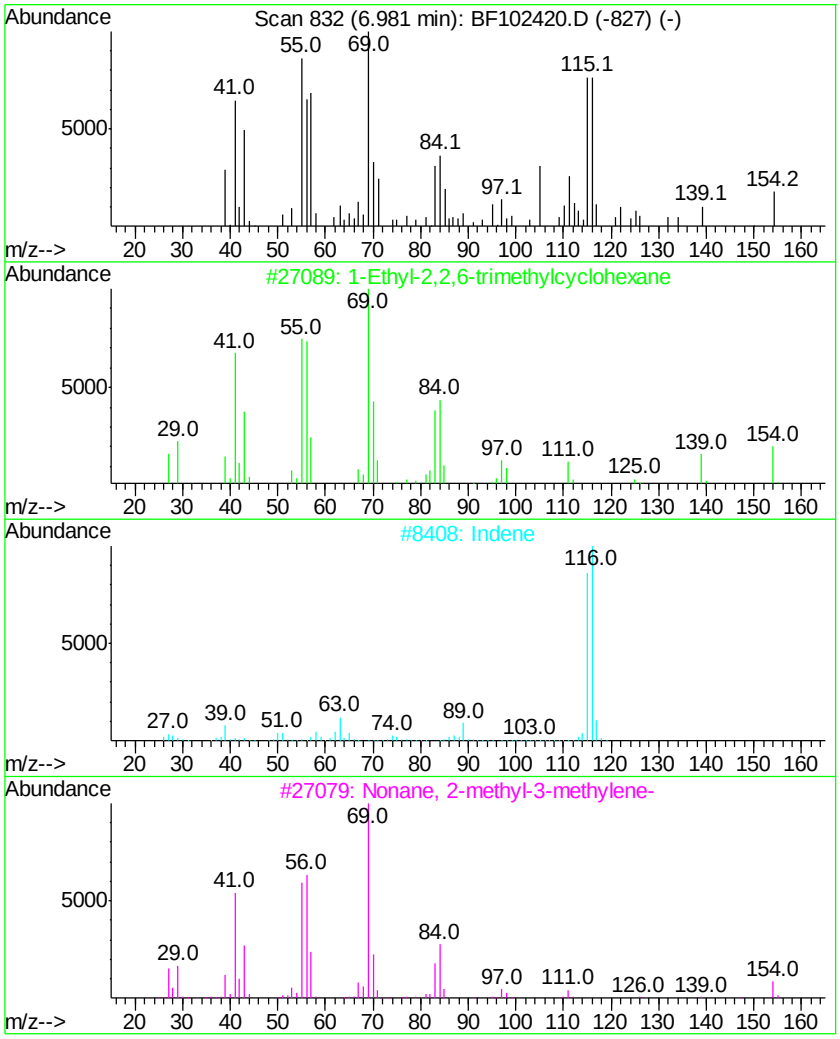
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

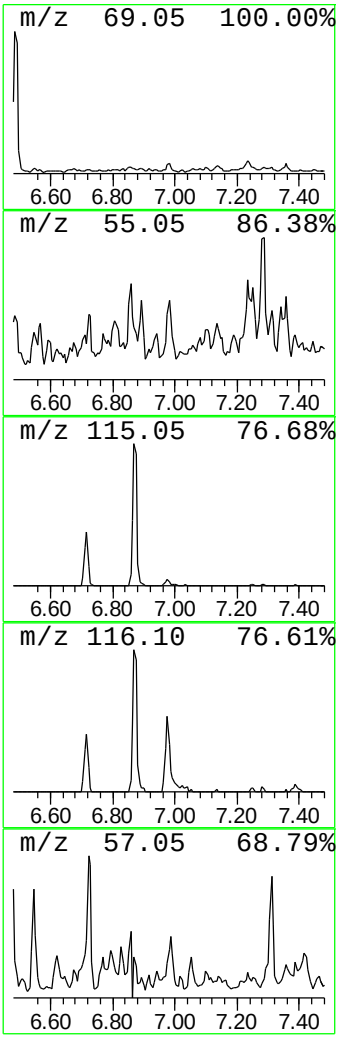
****

Peak Number 4 unknown6.98 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	3.27 ng	141189	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	46
2	Indene	116	C9H8	000095-13-6	38
3	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	38
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	38
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	30





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

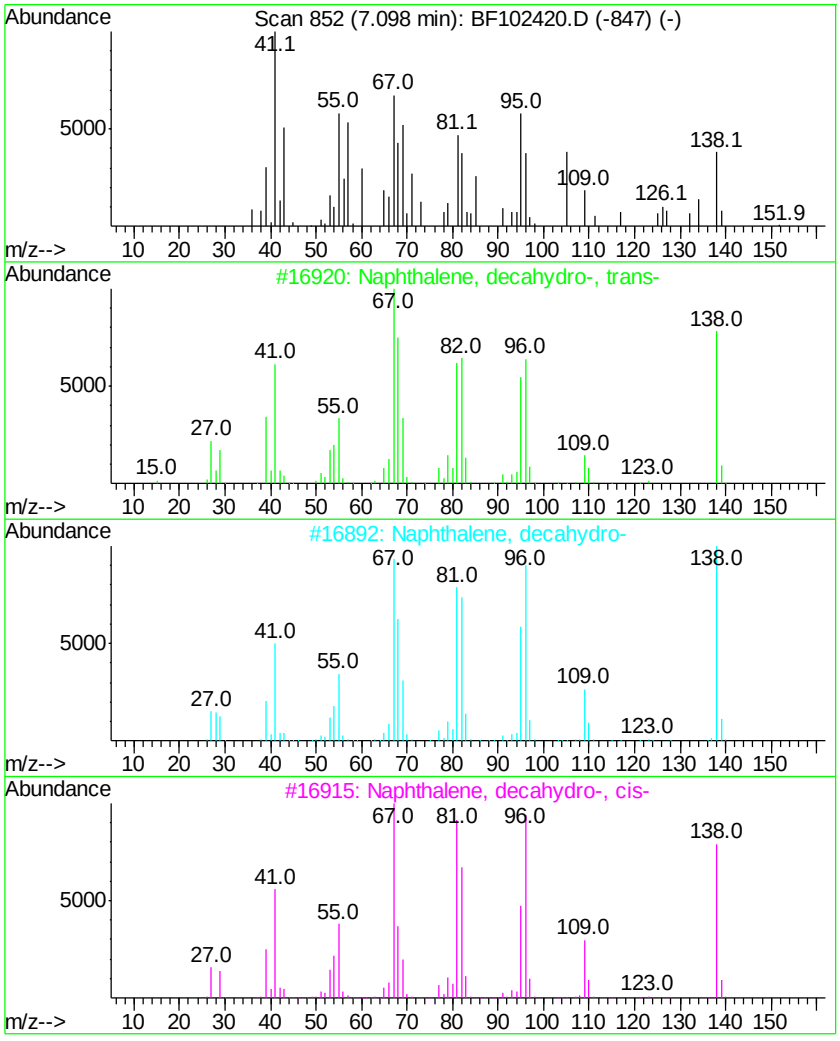
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

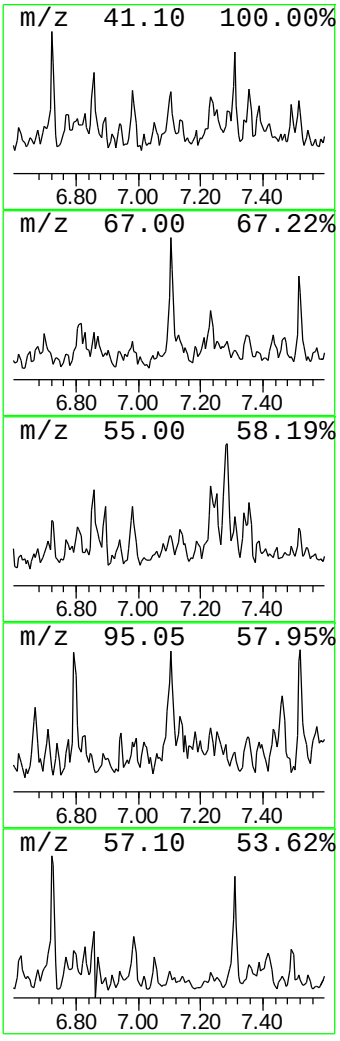
****

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	2.16 ng	93389	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	92
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60
4	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	58
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	49





Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

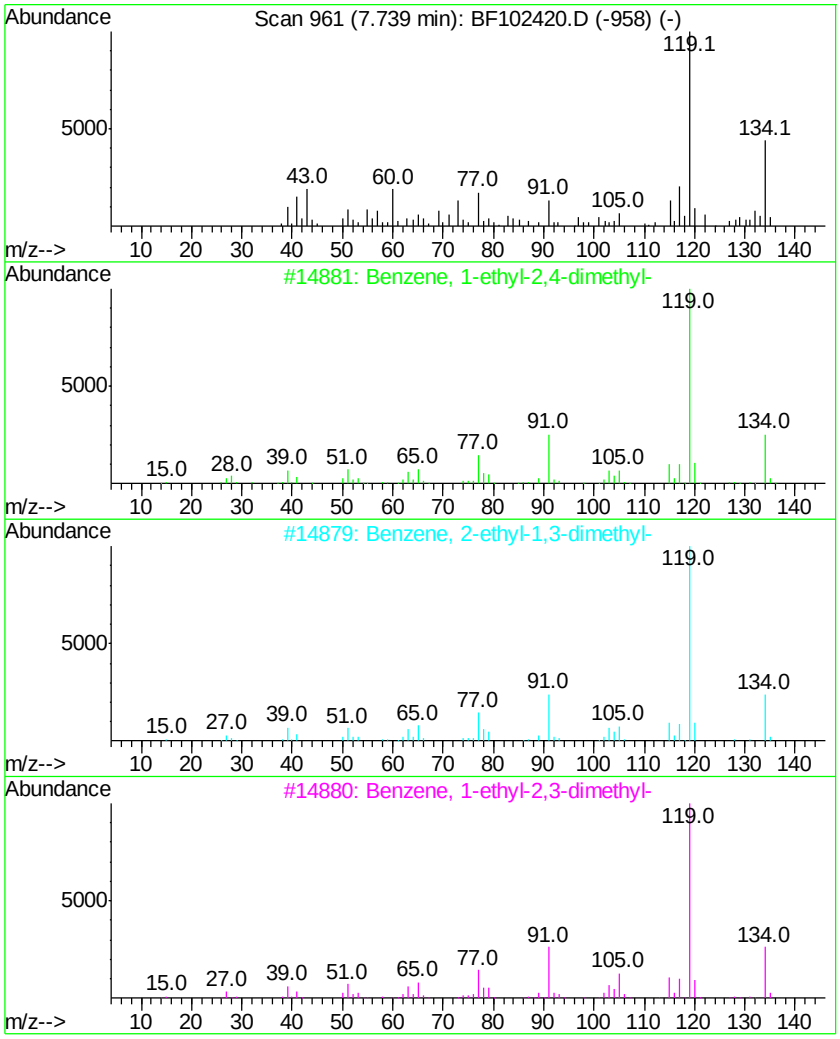
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

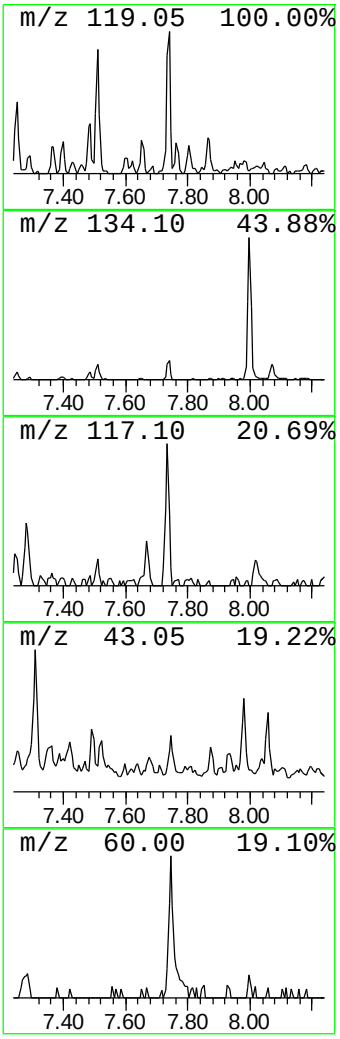
****

Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	2.39 ng	130526	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	62





Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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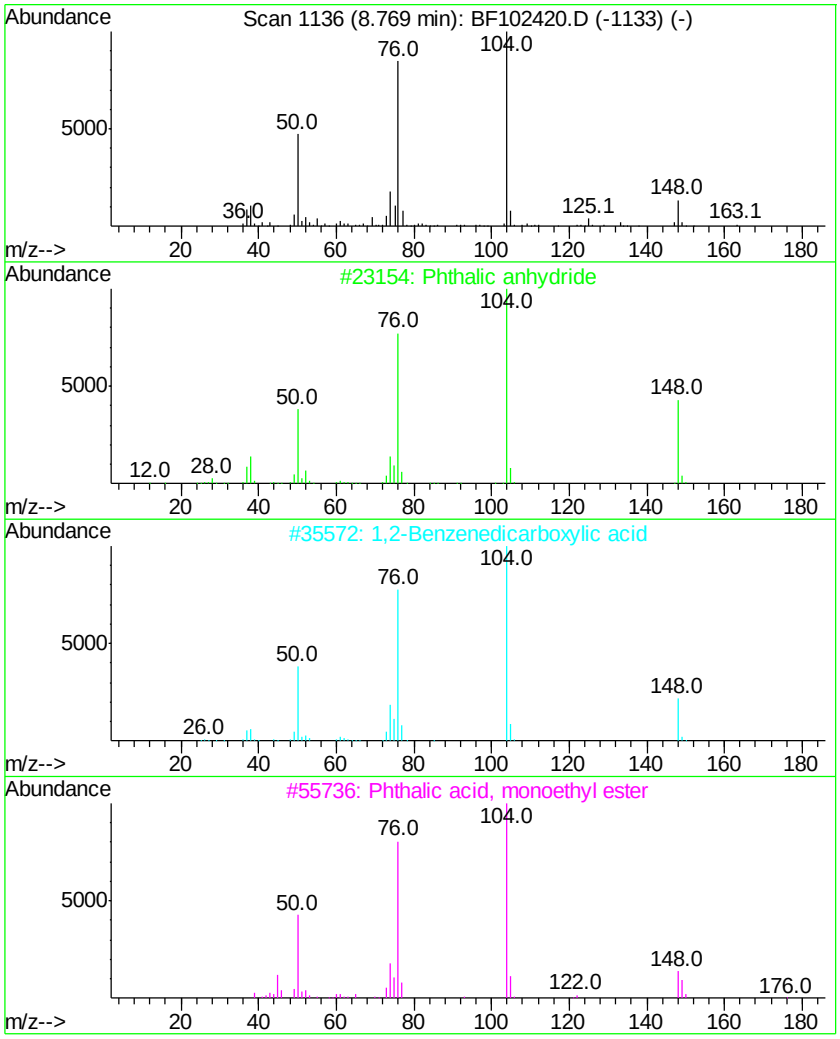
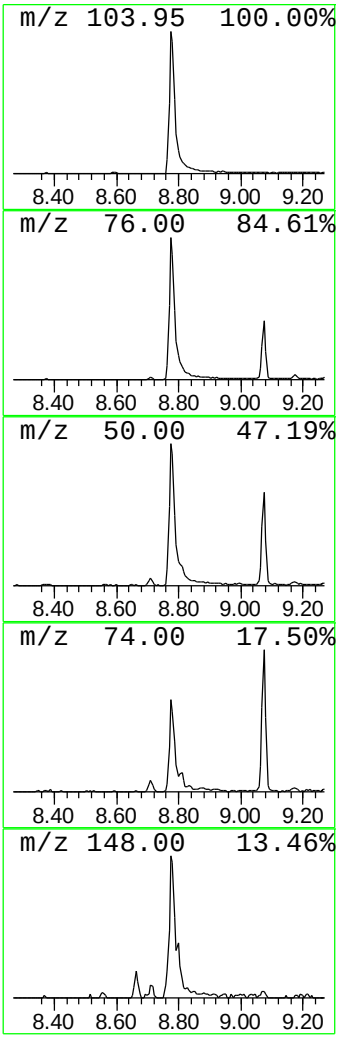
Peak Number 7 Phthalic anhydride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	10.28 ng	562737	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	96
2	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	90
3	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	90
4	Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	86
5	Phthalamic acid	165	C8H7NO3	000088-97-1	83





Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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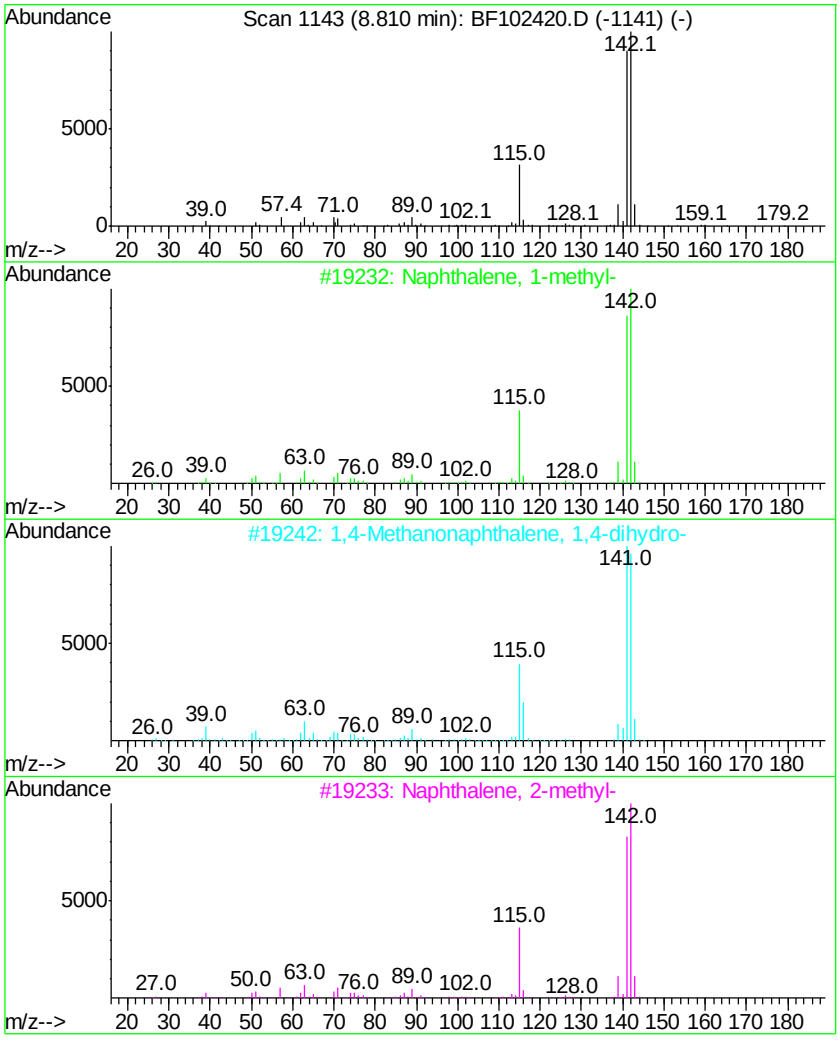
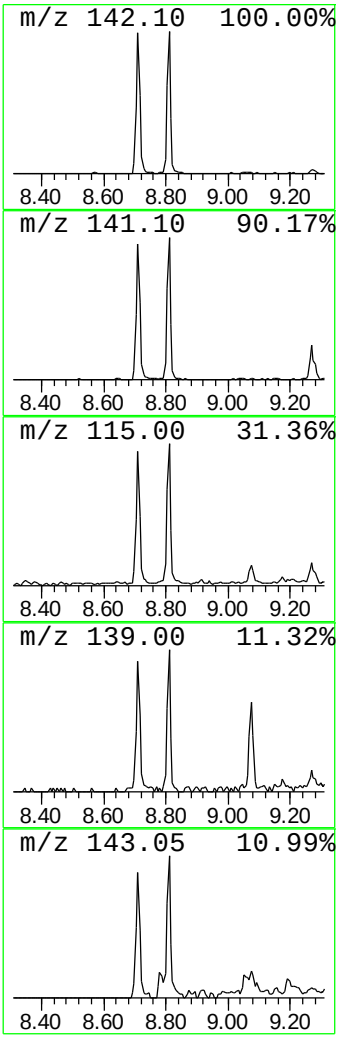
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	6.18 ng	338149	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86





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Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

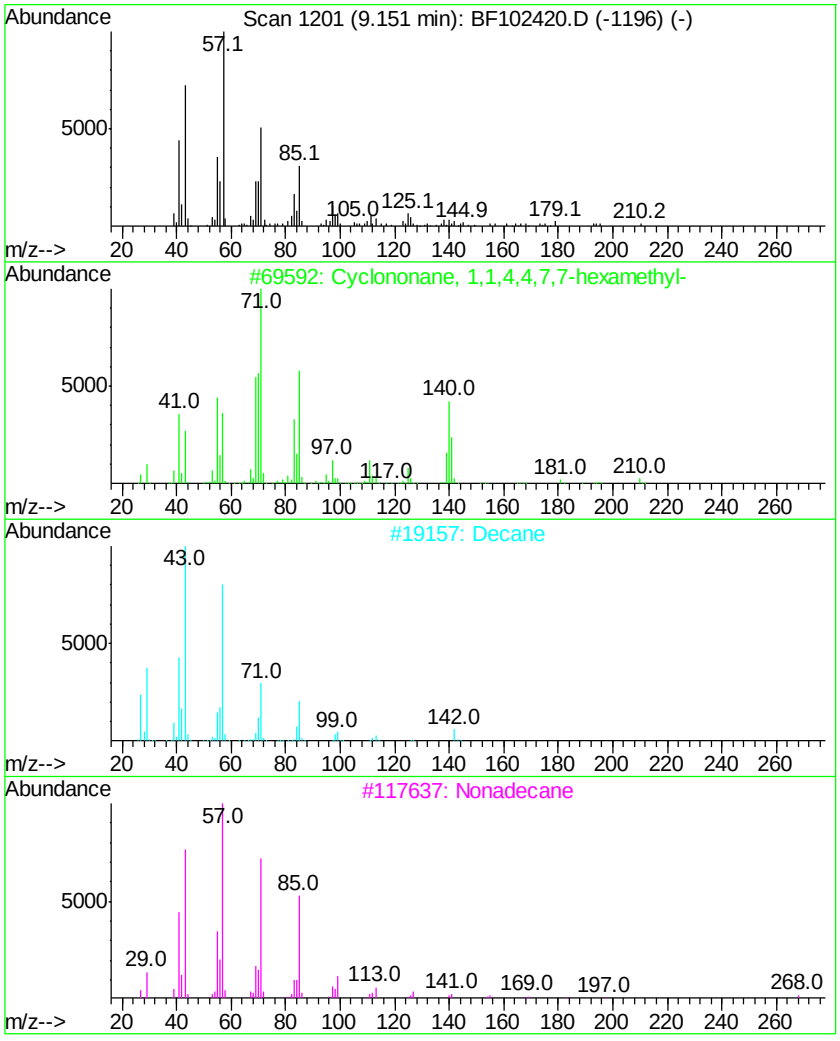
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

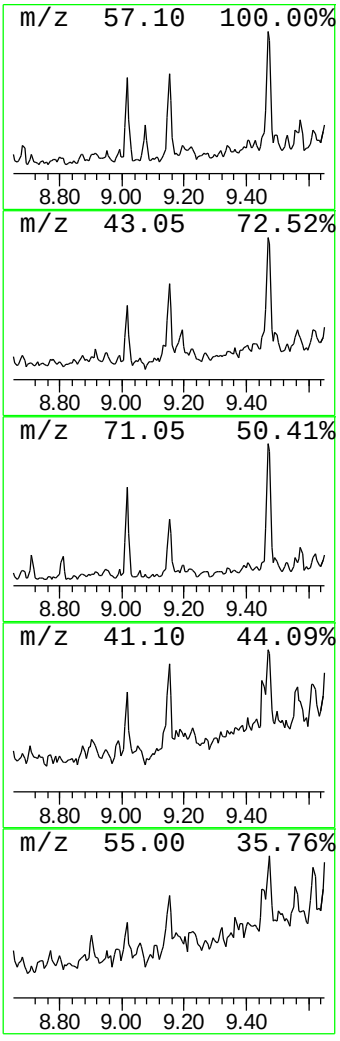
****

Peak Number 9 Cyclononane, 1,1,4,4,7,7-he... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	3.50 ng	175218	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononane, 1,1,4,4,7,7-hexamet...	210	C15H30	149331-19-1	91
2	Decane	142	C10H22	000124-18-5	81
3	Nonadecane	268	C19H40	000629-92-5	72
4	Octane	114	C8H18	000111-65-9	64
5	Tetradecane	198	C14H30	000629-59-4	64





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Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

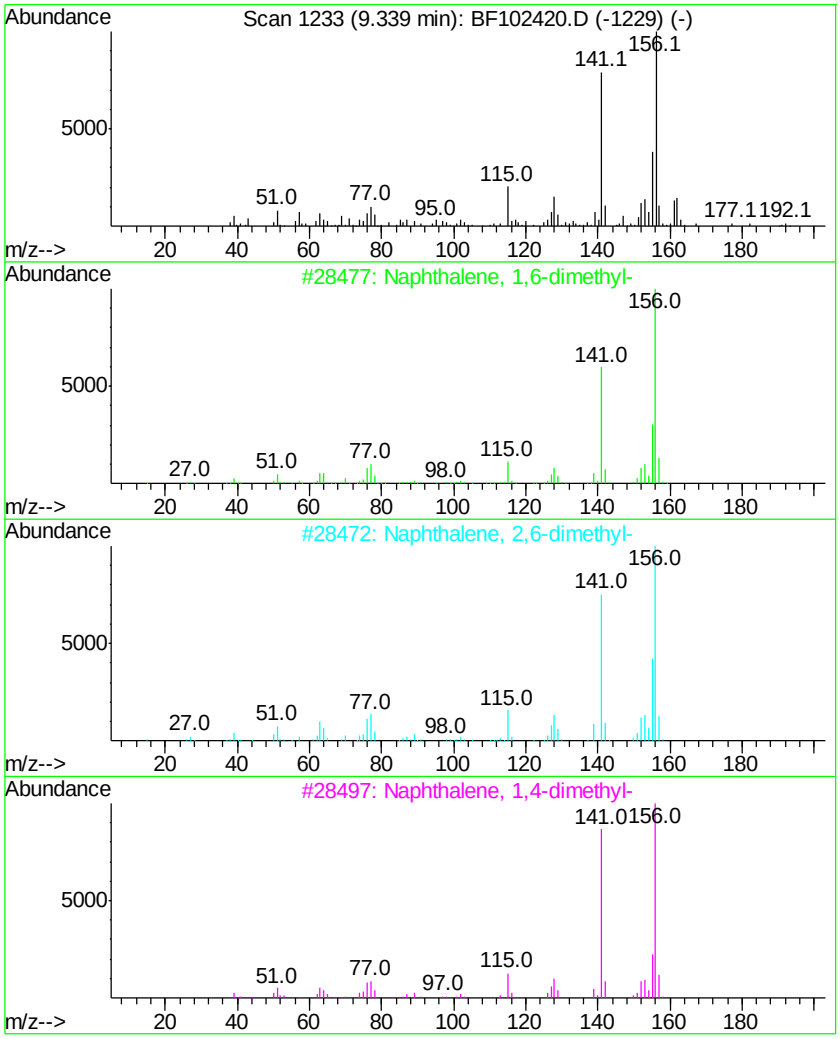
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

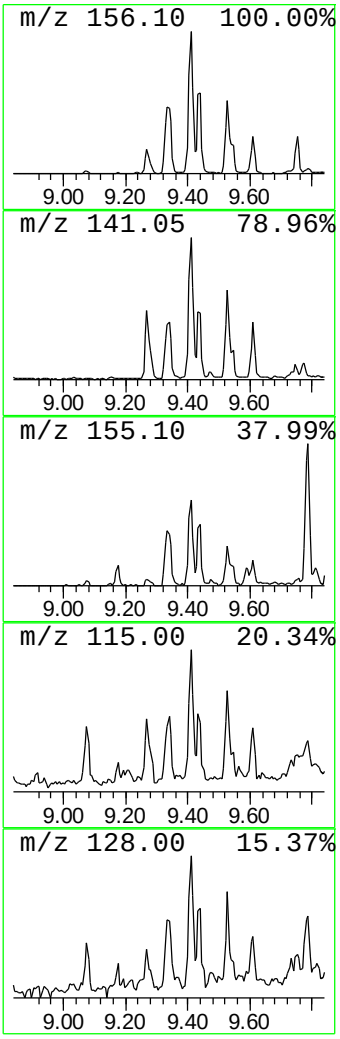
****

Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	3.18 ng	158909	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

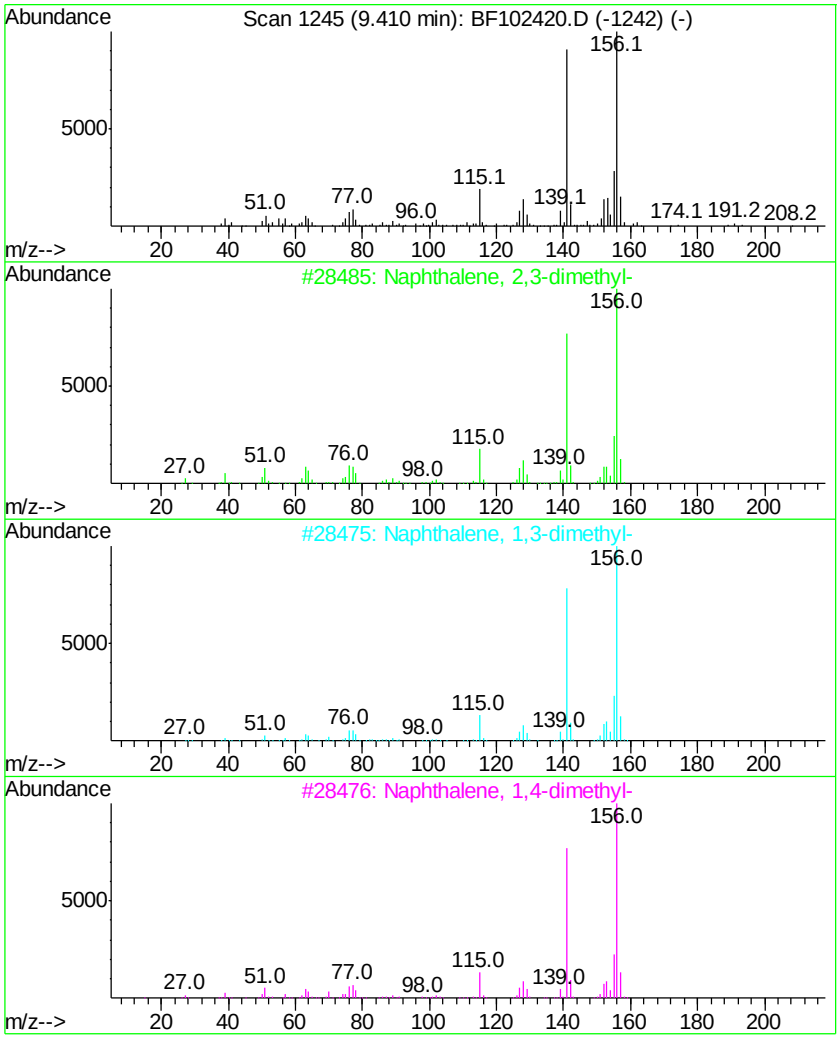
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

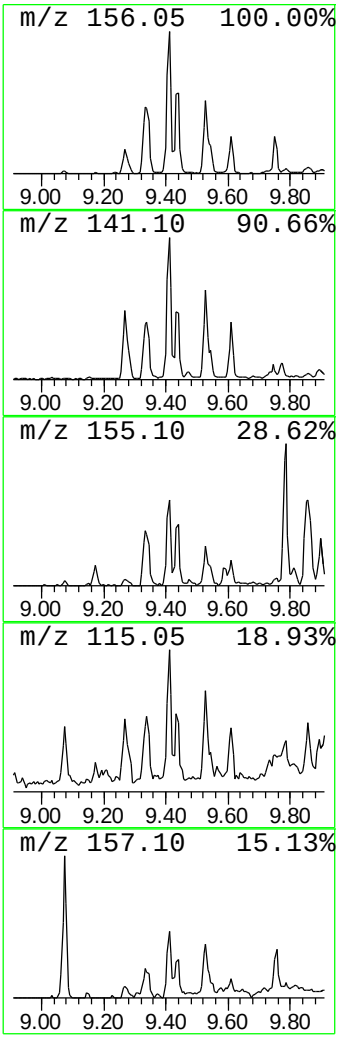
****

Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	4.79 ng	239873	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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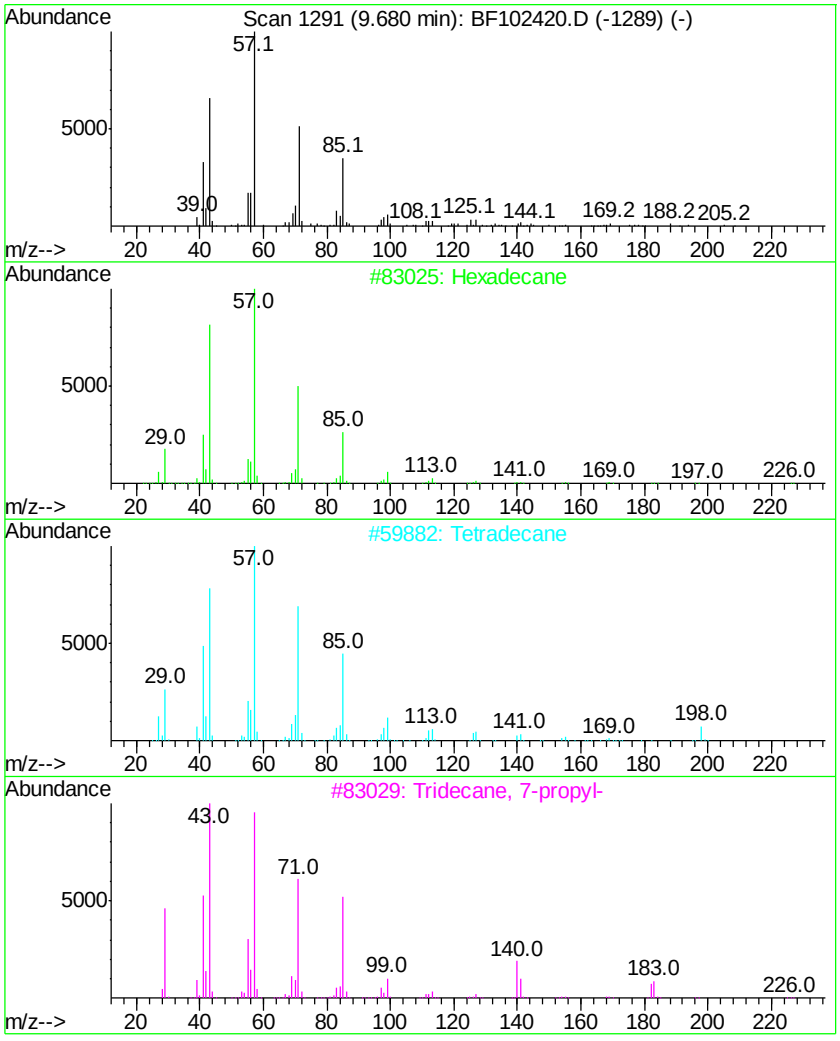
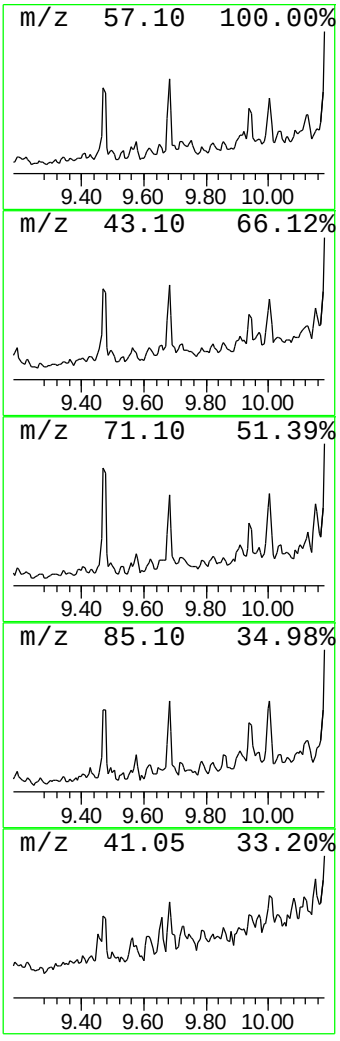
Peak Number 12 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	2.68 ng	133950	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tetradecane	198	C14H30	000629-59-4	80
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	72
4	Nonadecane	268	C19H40	000629-92-5	72
5	Dodecane	170	C12H26	000112-40-3	72





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Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : DB-OF-N-S-(WW0-4)

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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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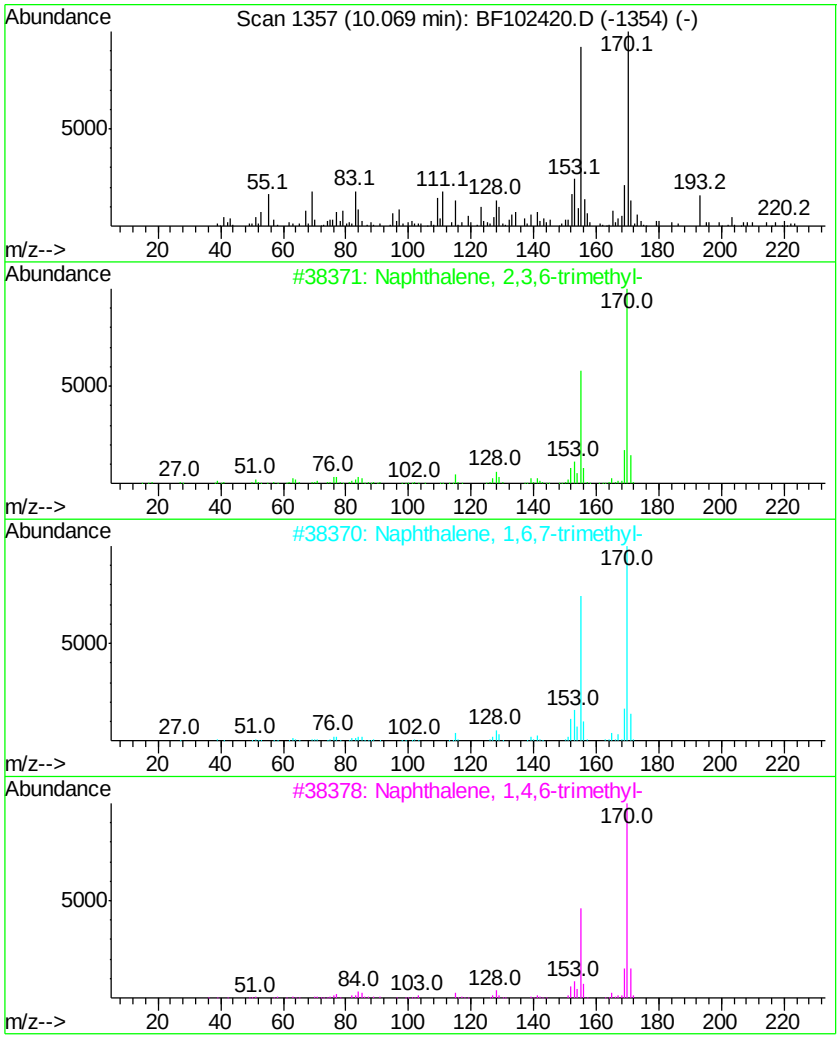
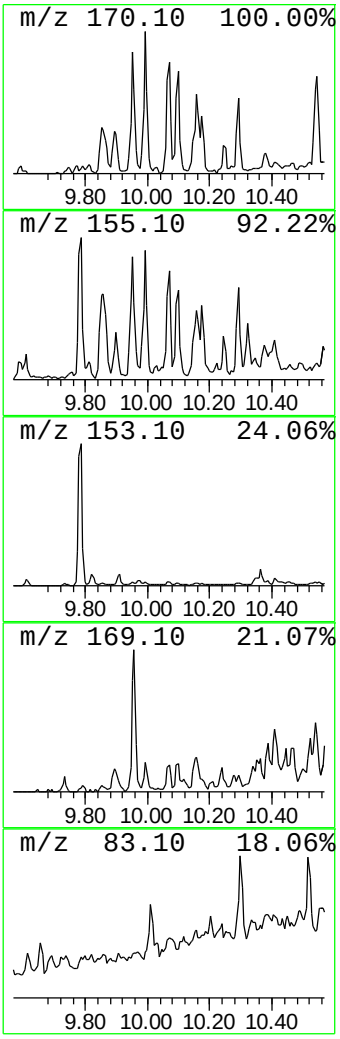
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	2.72 ng	136184	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93





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Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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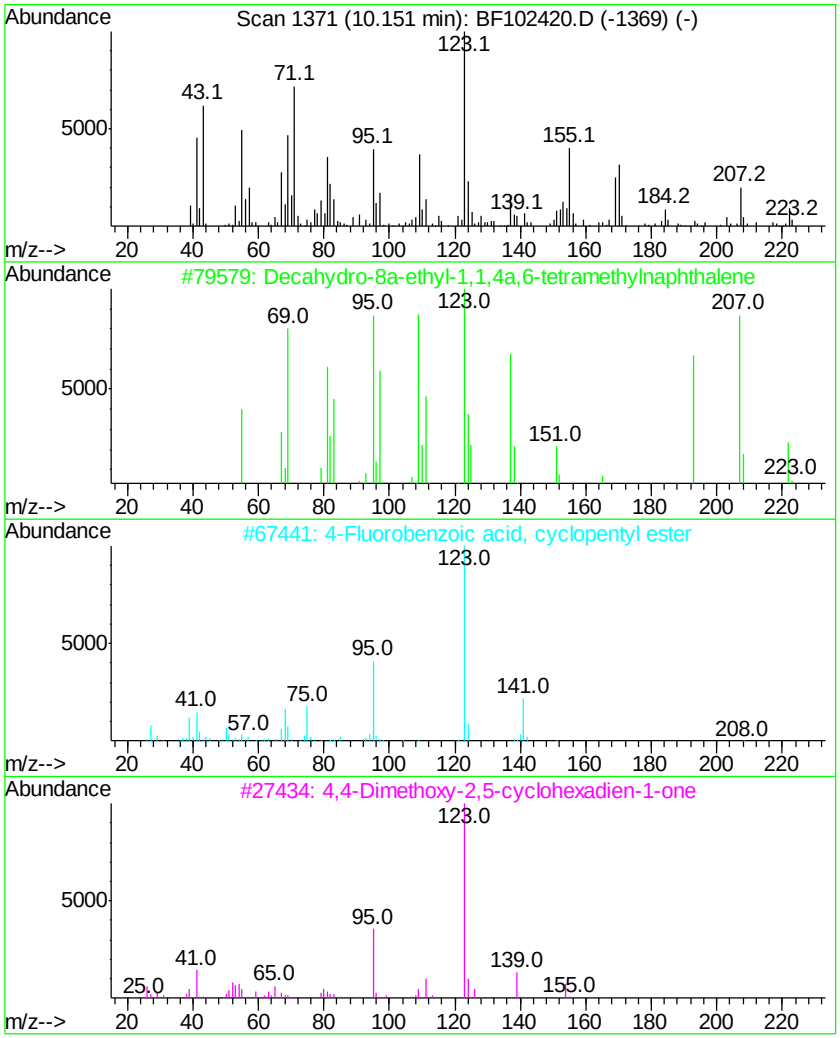
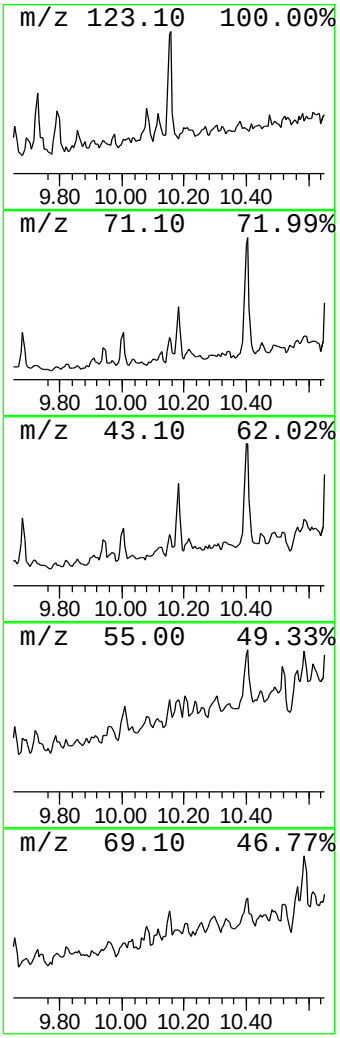
Peak Number 14 unknown10.15 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	4.52 ng	226112	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	35
2	4-Fluorobenzoic acid, cyclopenty...	208	C12H13FO2	1000279-05-6	27
3	4,4-Dimethoxy-2,5-cyclohexadien-...	154	C8H10O3	000935-50-2	27
4	4-Fluorobenzoic acid, 4-tridecyl...	322	C20H31FO2	1000280-68-0	27
5	Benzene-1,2,3-triamine	123	C6H9N3	1000316-45-3	27





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Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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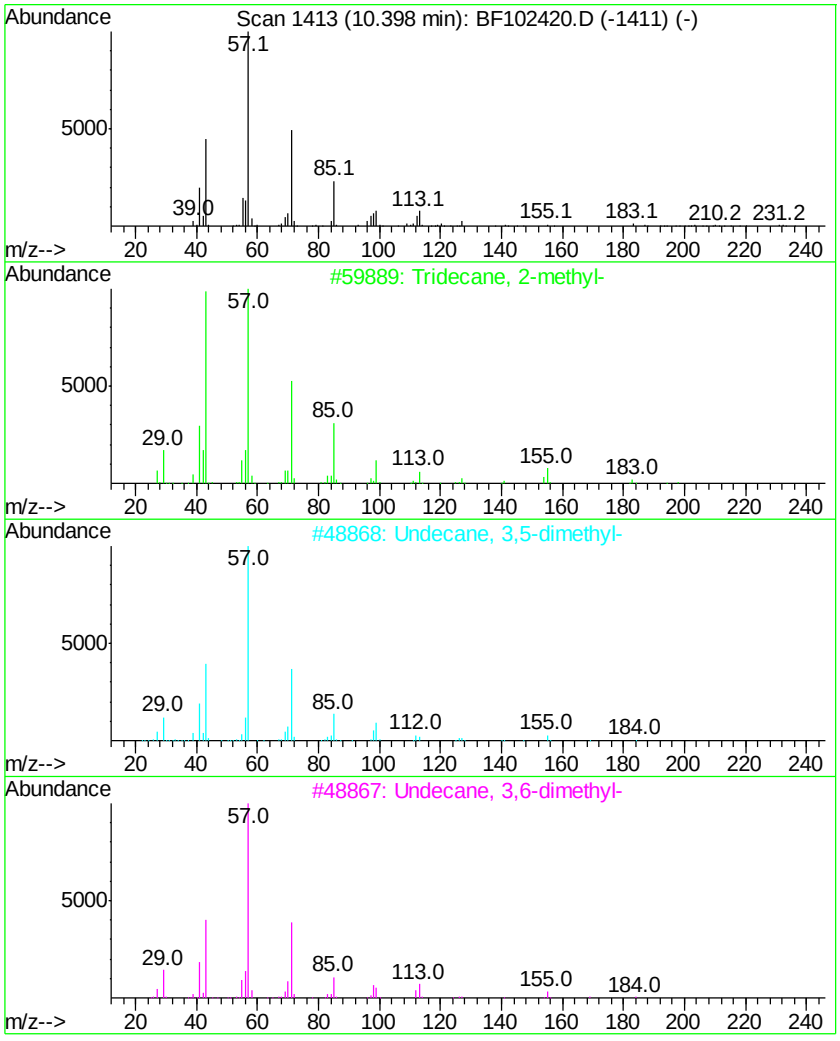
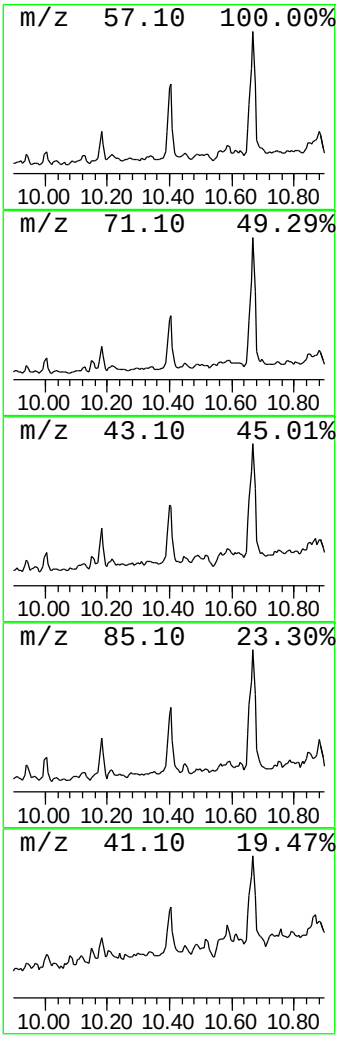
Peak Number 16 Tridecane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	8.28 ng	414367	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	87
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	76
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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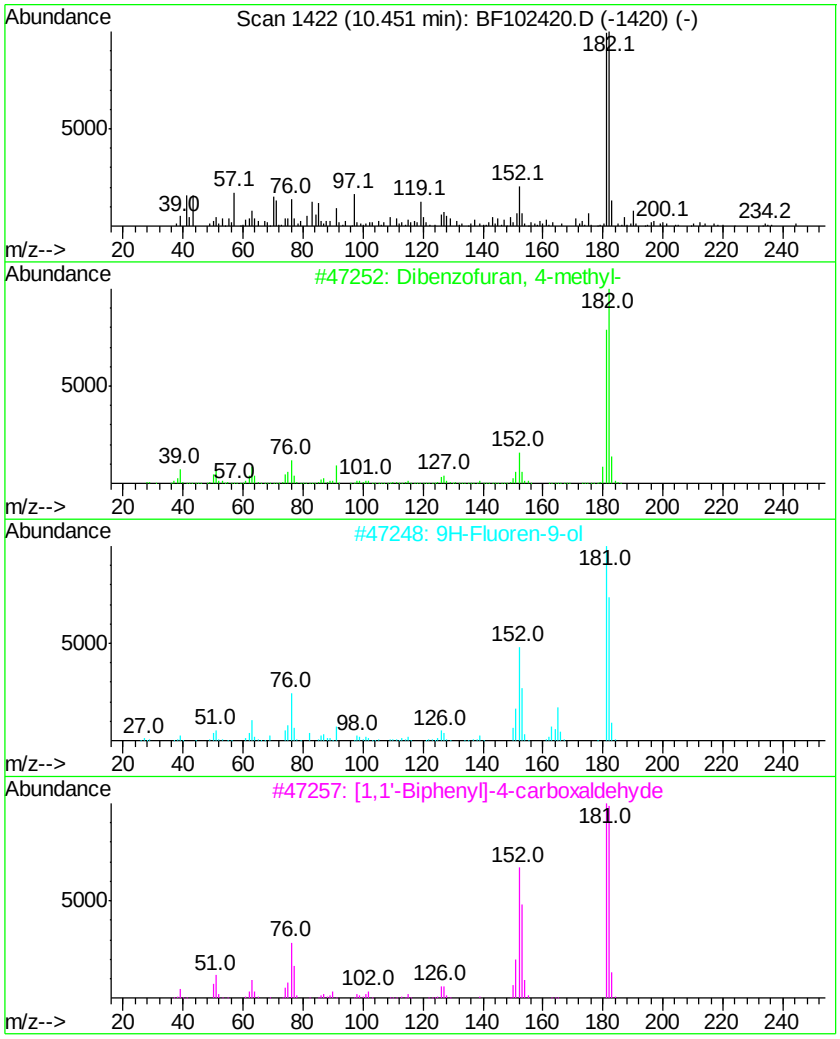
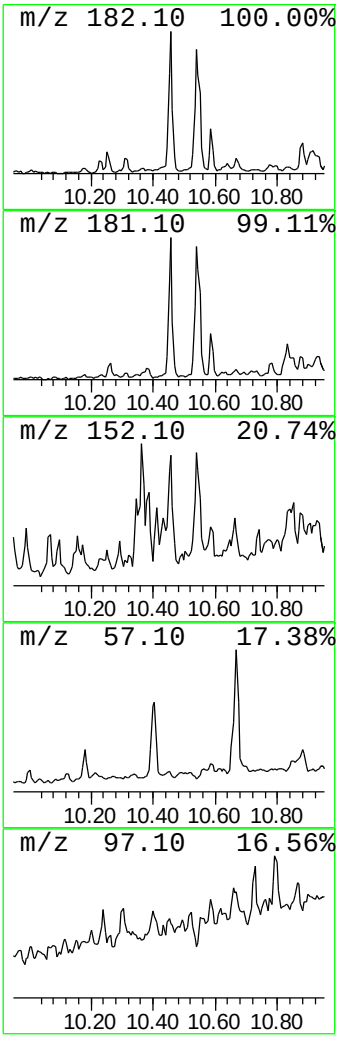
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	3.38 ng	169078	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	59
5	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	59





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Sample : J1256-05
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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

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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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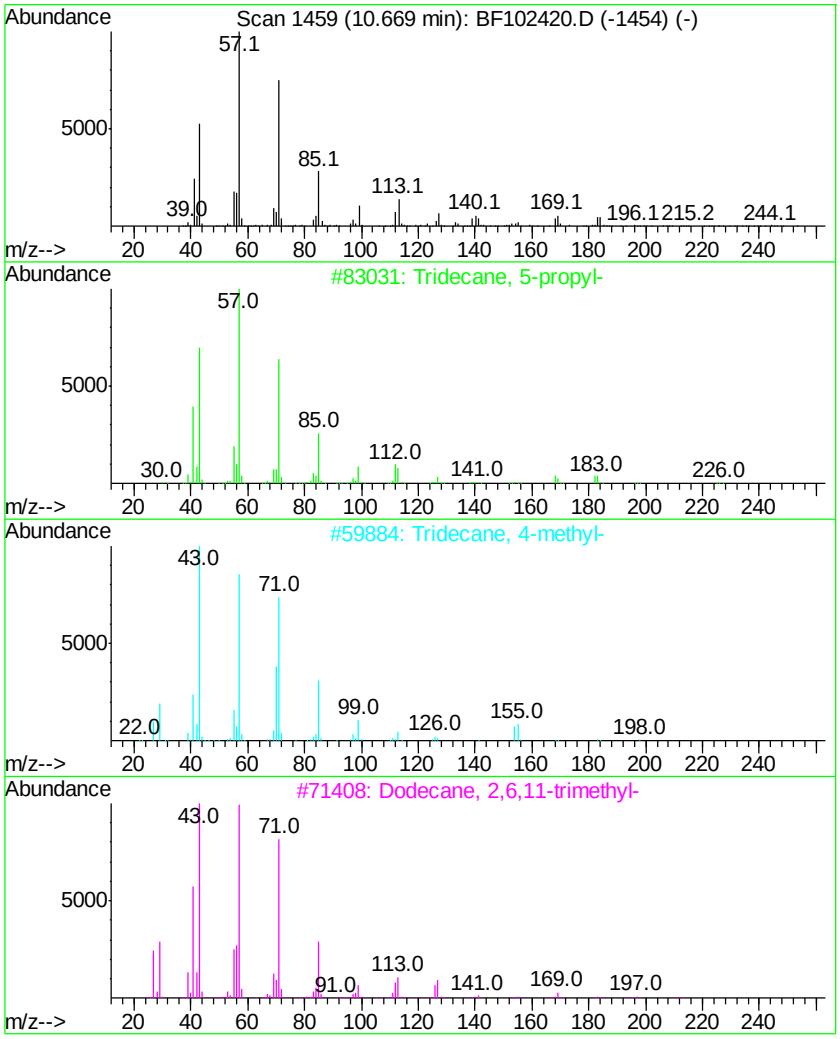
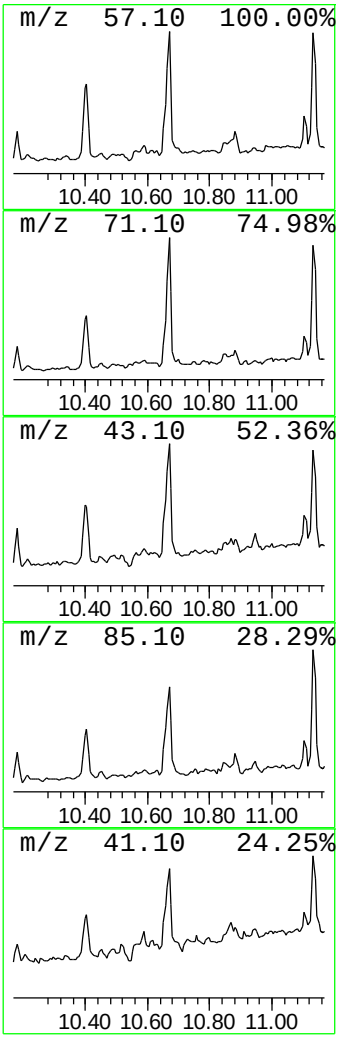
Peak Number 18 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	32.24 ng	1214480	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	58





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Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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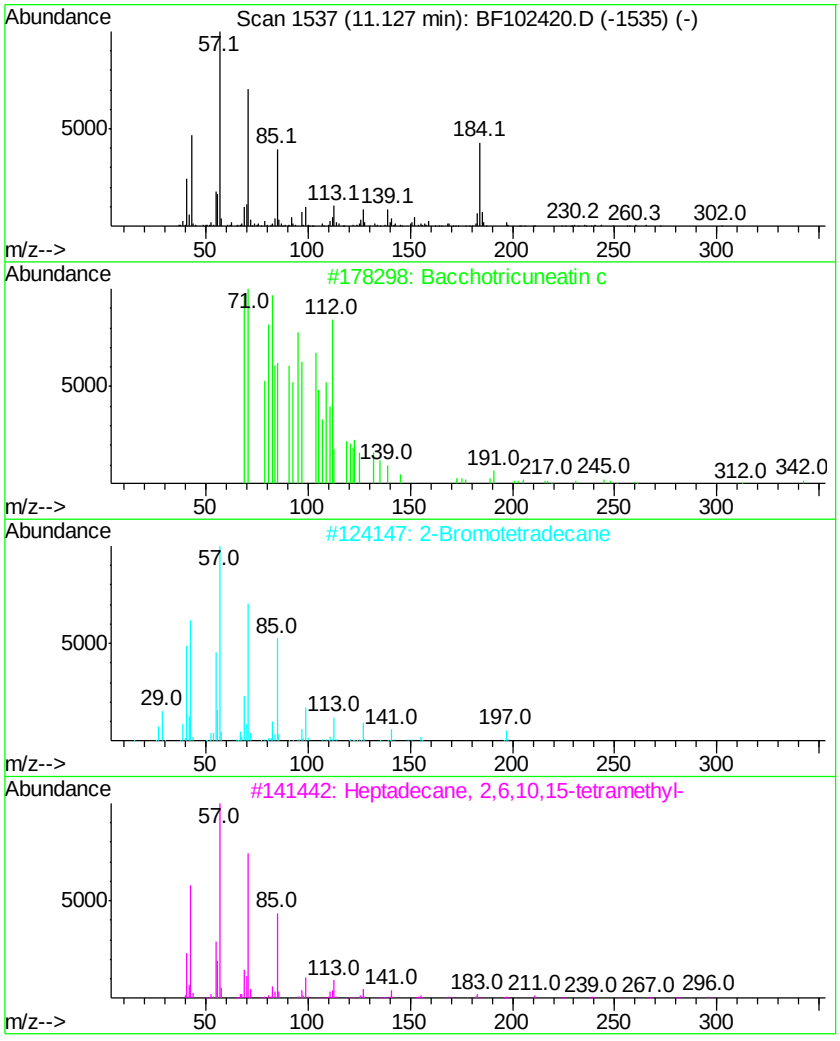
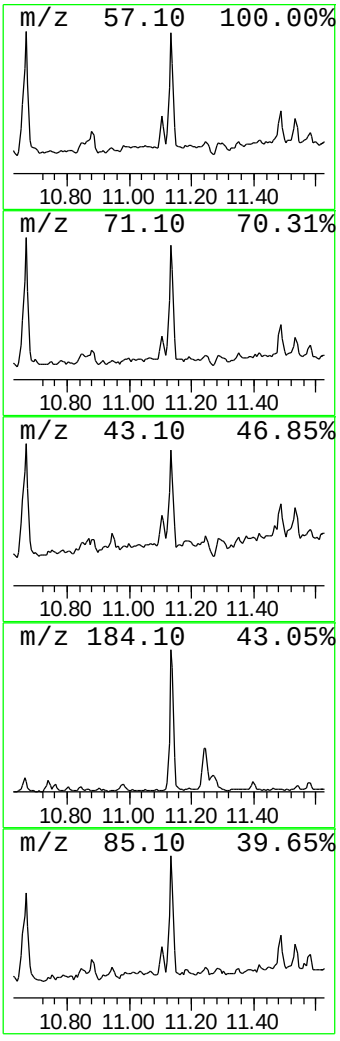
Peak Number 19 Bacchotricuneatin c Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	28.81 ng	1085150	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	52
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	49
4	Hexadecane	226	C16H34	000544-76-3	49
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	49





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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : DB-OF-N-S-(WW0-4)

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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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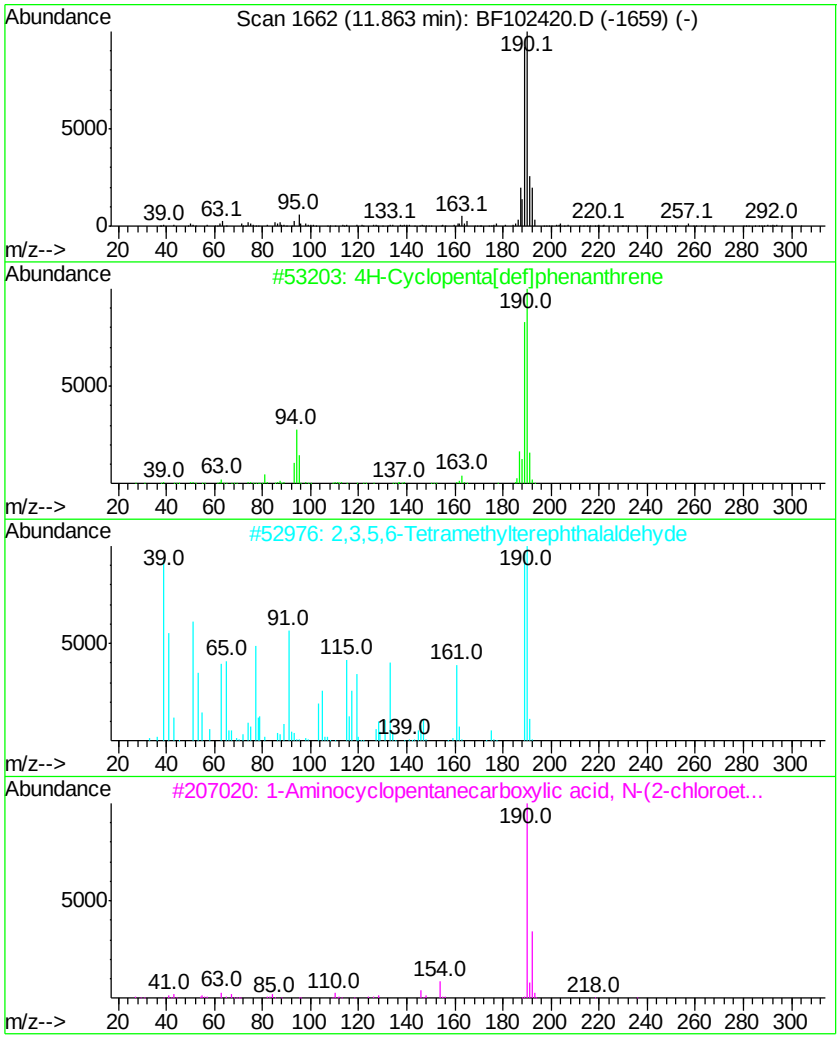
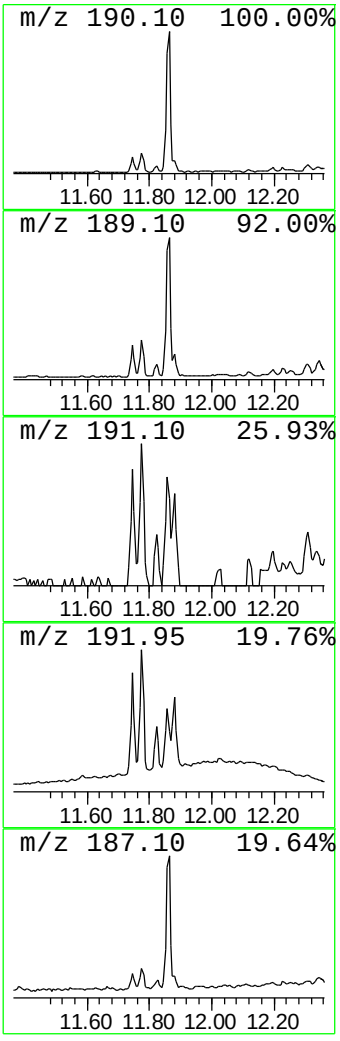
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	17.76 ng	668864	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	1-Aminocyclopentanecarboxylic ac...	389	C20H36ClNO4	1000329-17-2	17
4	l-Alanine, n-pentafluoropropionyl...	389	C17H28F5NO3	1000323-37-8	12
5	2-Cyano-6-methoxybenzothiazole	190	C9H6N2OS	000943-03-3	9





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
Data File : BF102420.D
Acq On : 25 Jan 2018 12:31
Operator : SJ/JU
Sample : J1256-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DB-OF-N-S-(WW0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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
unknown6.49	6.49	63.4	ng	2736460	1	6.72	863332	20.0
unknown6.55	6.55	2.6	ng	110700	1	6.72	863332	20.0
unknown6.98	6.98	3.3	ng	141189	1	6.72	863332	20.0
Naphthalene, deca...	7.10	2.2	ng	93389	1	6.72	863332	20.0
Benzene, 1-ethyl-...	7.74	2.4	ng	130526	2	8.00	1094360	20.0
Phthalic anhydride	8.77	10.3	ng	562737	2	8.00	1094360	20.0
Naphthalene, 1-me...	8.81	6.2	ng	338149	2	8.00	1094360	20.0
Cyclononane, 1,1,...	9.15	3.5	ng	175218	3	9.75	1000930	20.0
Naphthalene, 1,6-...	9.34	3.2	ng	158909	3	9.75	1000930	20.0
Naphthalene, 2,3-...	9.41	4.8	ng	239873	3	9.75	1000930	20.0
Hexadecane	9.68	2.7	ng	133950	3	9.75	1000930	20.0
Naphthalene, 2,3,...	10.07	2.7	ng	136184	3	9.75	1000930	20.0
unknown10.15	10.15	4.5	ng	226112	3	9.75	1000930	20.0
Tridecane, 2-methyl-	10.40	8.3	ng	414367	3	9.75	1000930	20.0
Dibenzofuran, 4-m...	10.45	3.4	ng	169078	3	9.75	1000930	20.0
Tridecane, 5-propyl-	10.67	32.2	ng	1214480	4	11.24	753283	20.0
Bacchotricuneatin c	11.13	28.8	ng	1085150	4	11.24	753283	20.0
4H-Cyclopenta[def...	11.86	17.8	ng	668864	4	11.24	753283	20.0