

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108021.D
 Acq On : 8 Aug 2018 15:59
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 8 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
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Quant Time: Aug 09 09:50:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	271899	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1087503	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	583077	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1221918	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1056465	20.00	ng	0.00
86) Perylene-d12	15.77	264	939064	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1911571	127.28	ng	0.01
7) Phenol-d6	6.63	99	2542120	127.38	ng	0.00
23) Nitrobenzene-d5	7.58	82	1660143	85.18	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	803796	138.20	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2991055	82.36	ng	0.00
78) Terphenyl-d14	13.15	244	3534741	85.07	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	9.16	237	86521	7.481	ng	97
53) 2,4-Dinitrophenol	10.10	184	12239	10.531	ng	# 1
69) Pentachlorophenol	11.35	266	41923	6.269	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

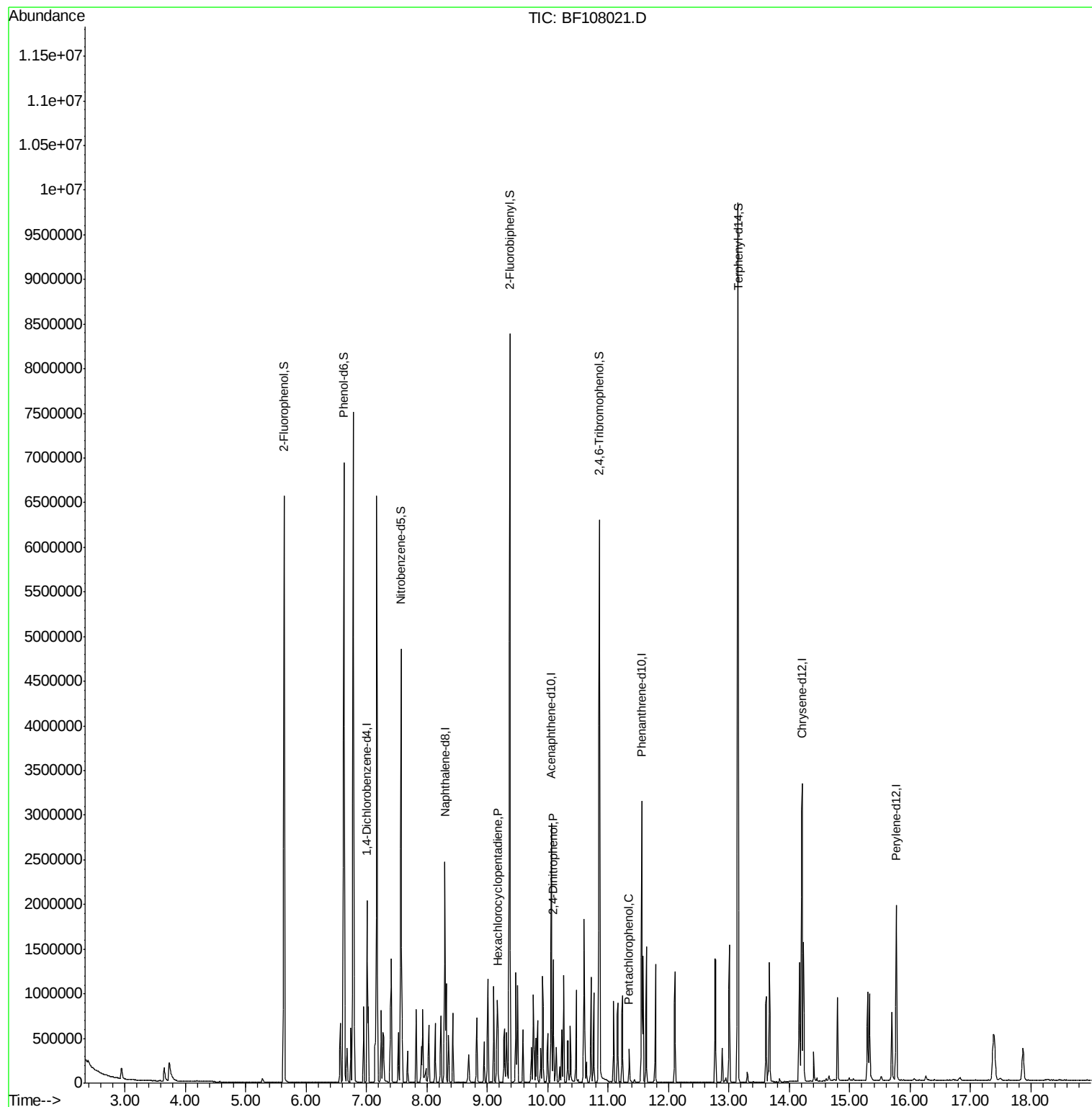
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
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#1

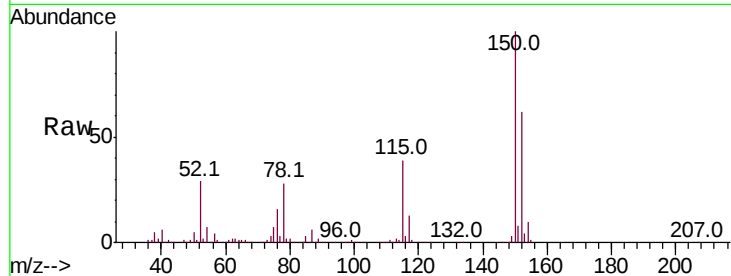
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	62.9	50.1	75.1

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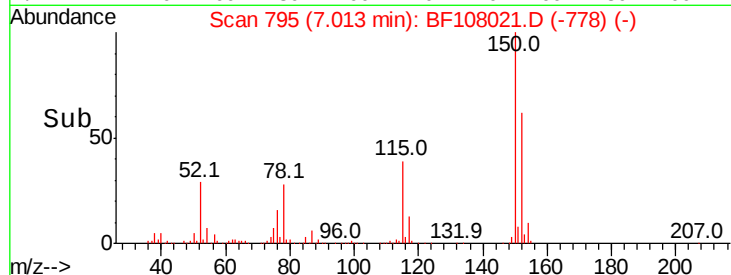
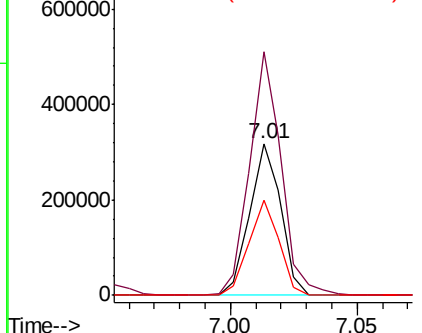


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

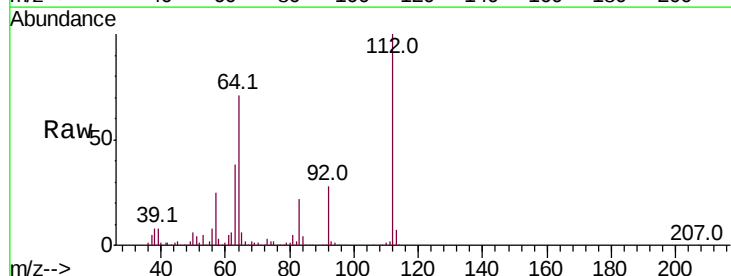
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.283 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	47.9	71.9
63	38.3	23.7	35.5#

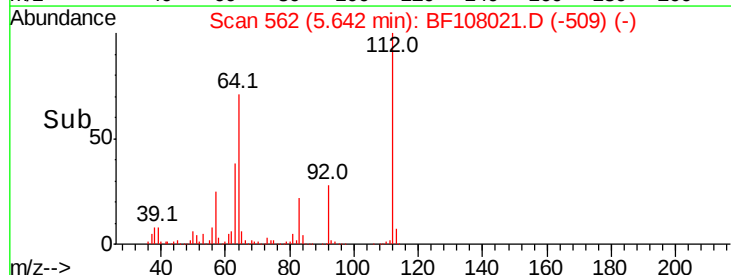
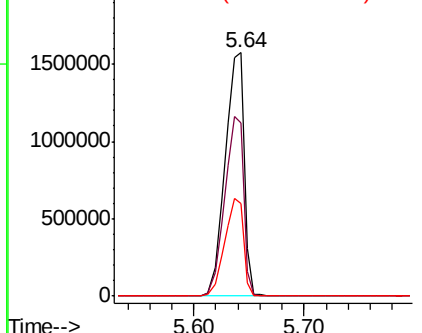


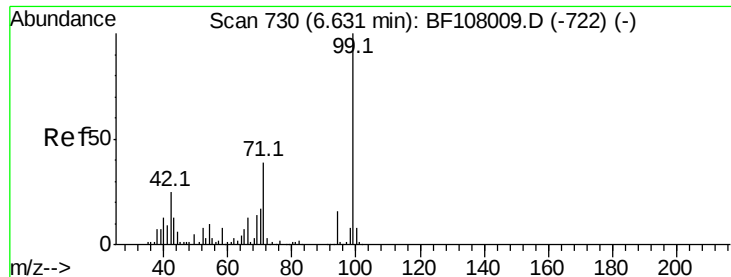
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 127.378 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 99 Resp: 2542120

Ion Ratio Lower Upper

99 100

42 27.2 14.5 21.7#

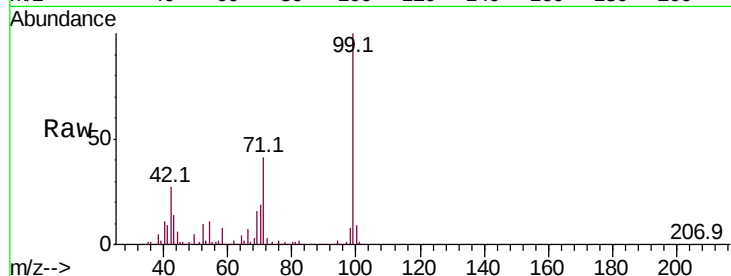
71 41.2 25.4 38.0#

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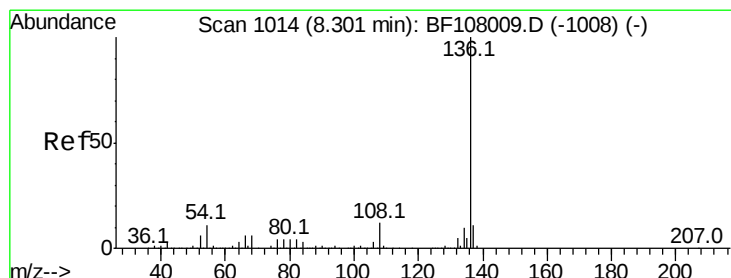
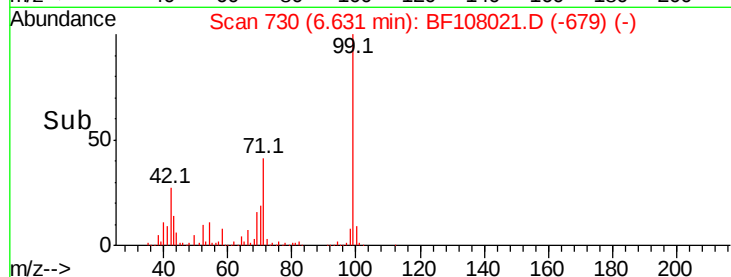
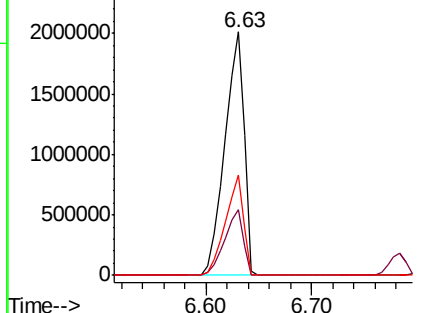
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Tgt Ion:136 Resp: 1087503

Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 11.3 6.6 9.8#

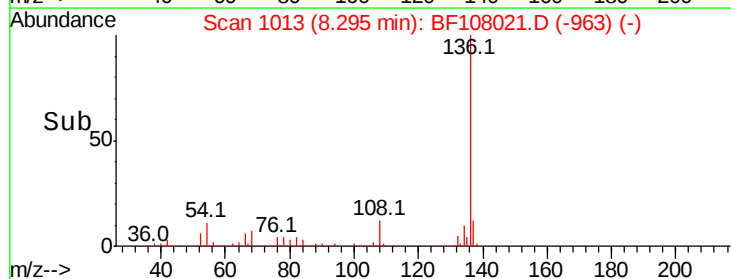
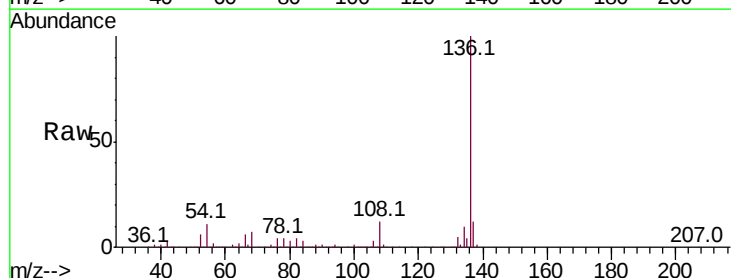
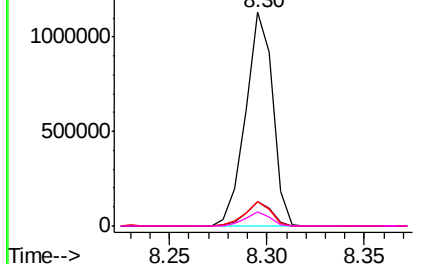
68 6.6 5.0 7.4

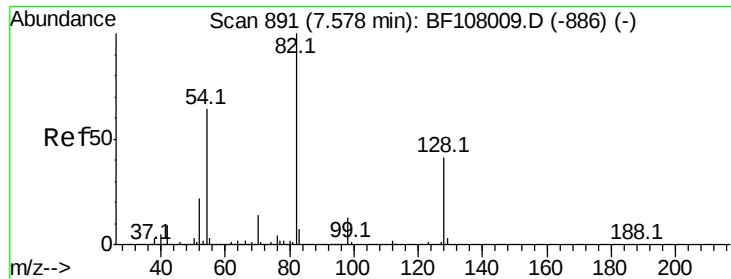
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





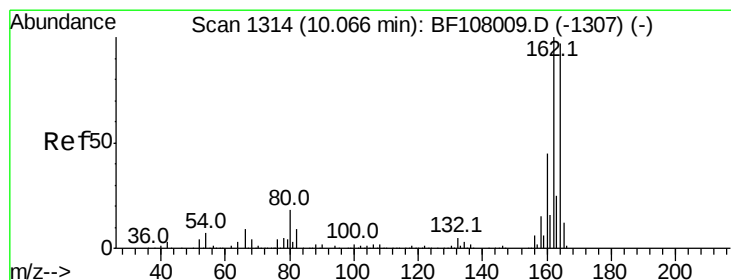
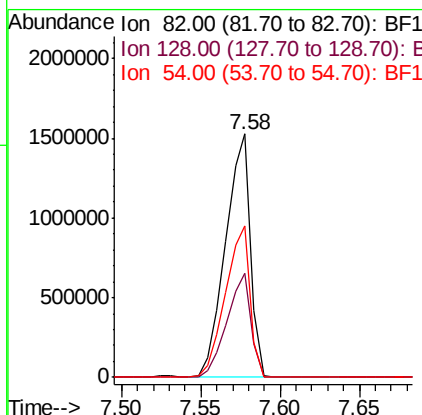
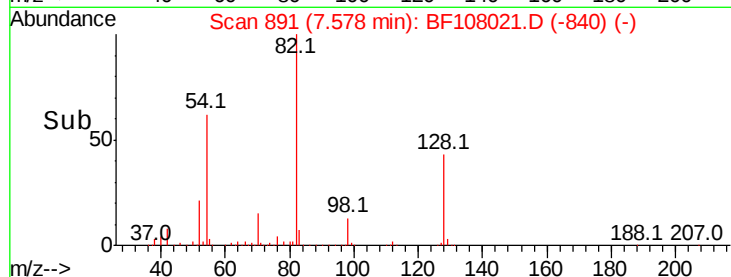
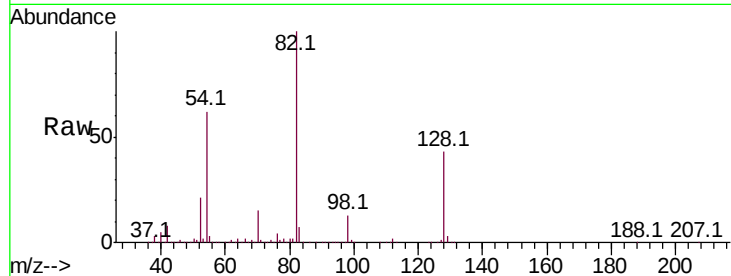
#23
Nitrobenzene-d5
Concen: 85.184 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	62.3	41.4	62.2#

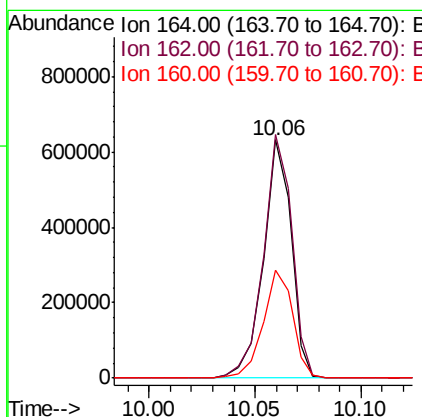
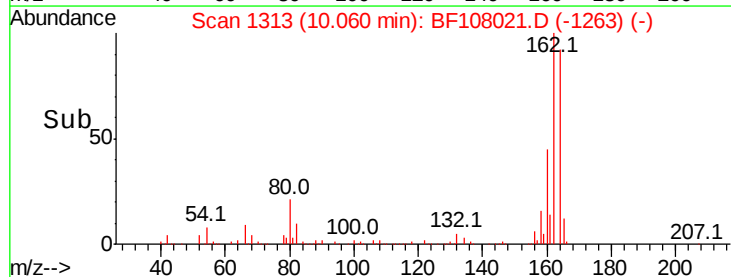
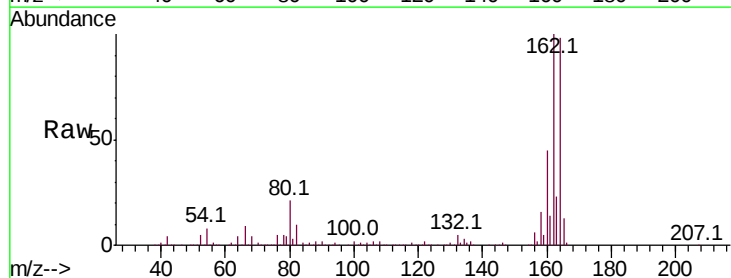
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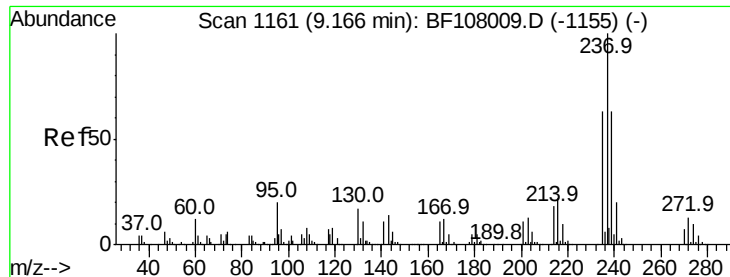
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	45.5	38.3	57.5





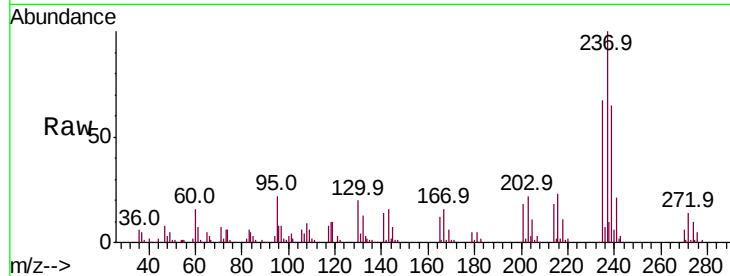
#40
Hexachlorocyclopentadiene
Concen: 7.481 ng
RT: 9.16 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

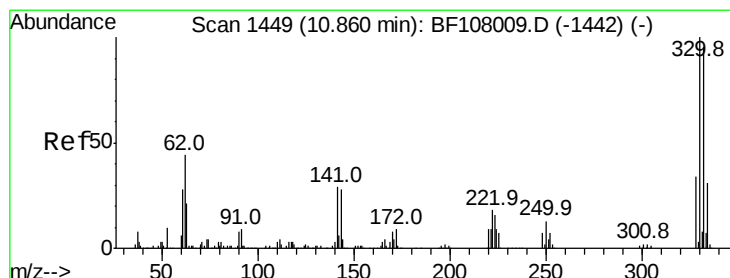
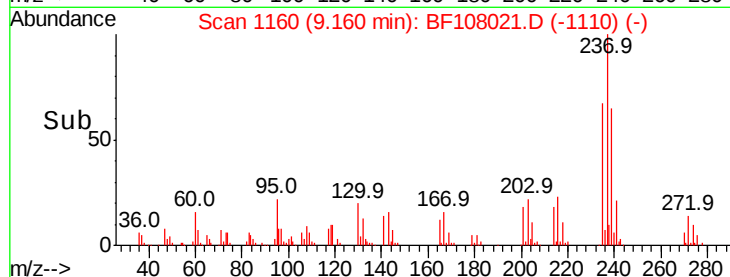
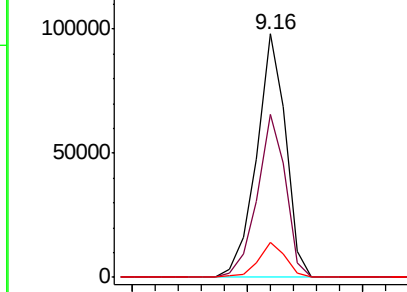
Tot Ion:	237	Resp:	86521
Ion Ratio	Lower	Upper	
237	100		
235	66.9	44.8	84.8
272	14.5	0.0	33.3

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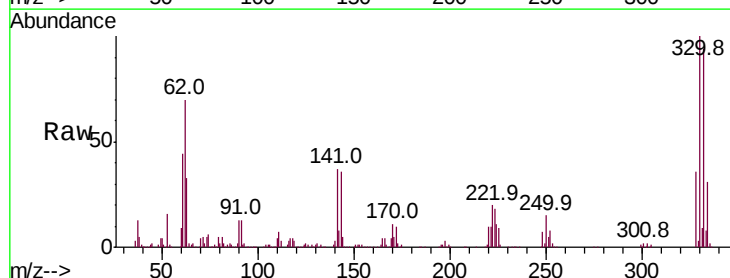


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

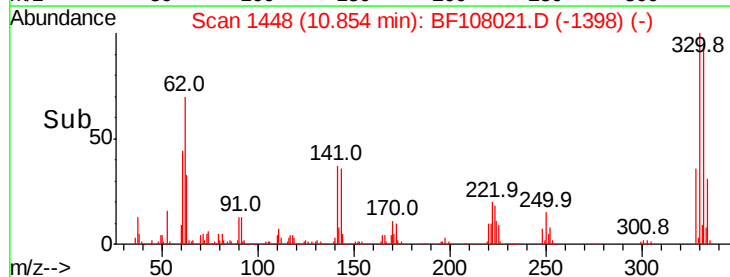
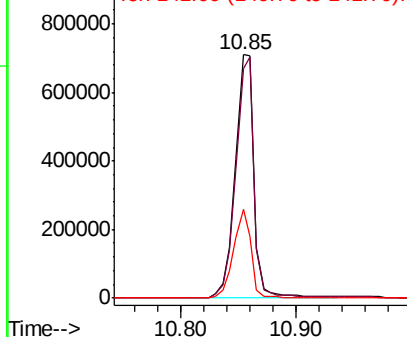


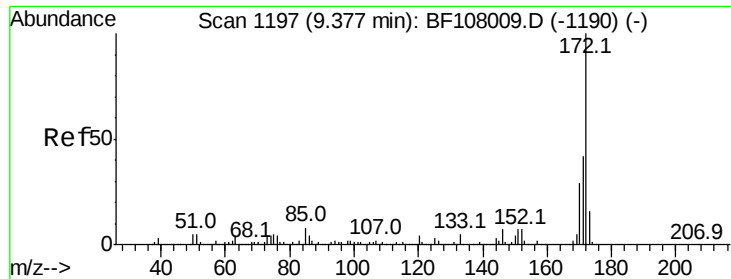
#41
2,4,6-Tribromophenol
Concen: 138.203 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:	330	Resp:	803796
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.0	115.6
141	34.2	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





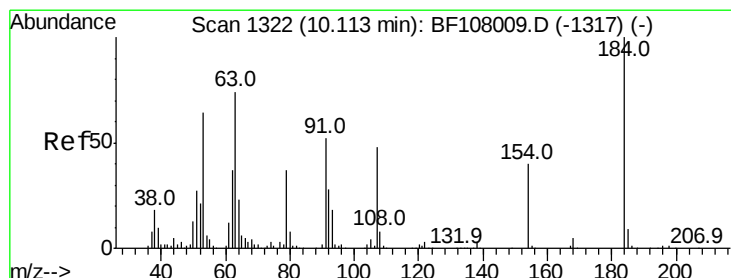
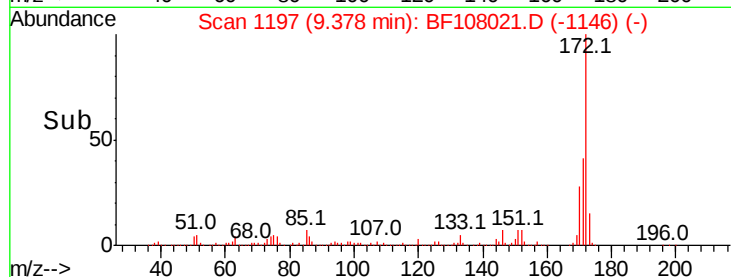
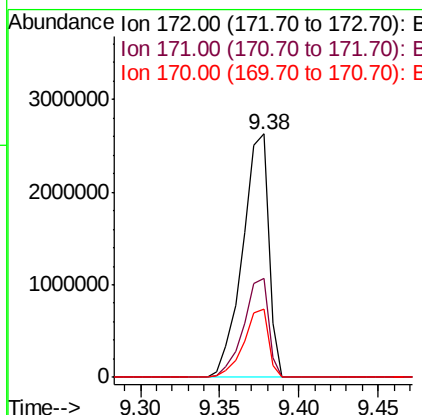
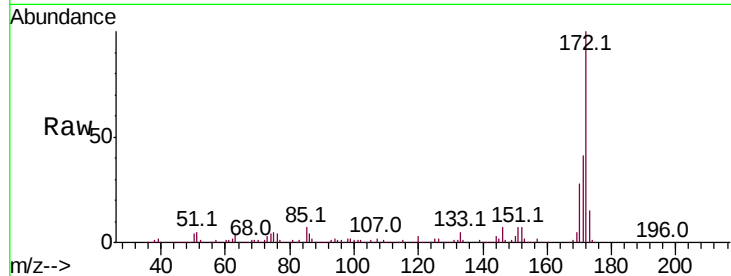
#44
2-Fluorobiphenyl
Concen: 82.357 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.6	29.7	44.5
170	27.9	19.6	29.4

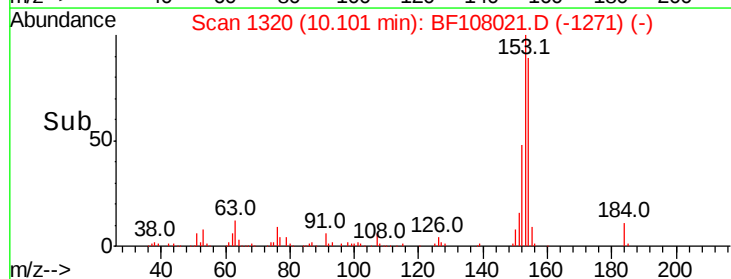
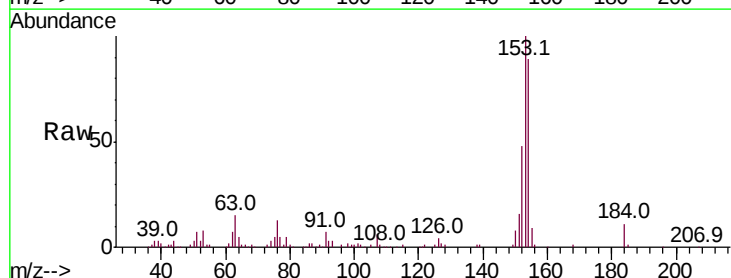
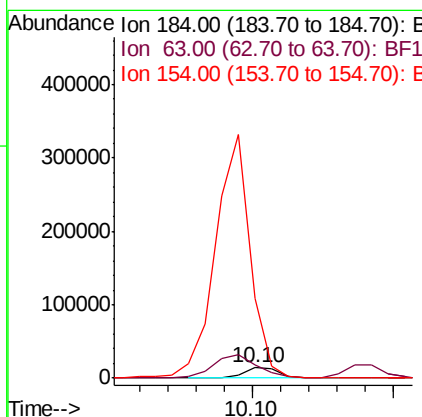
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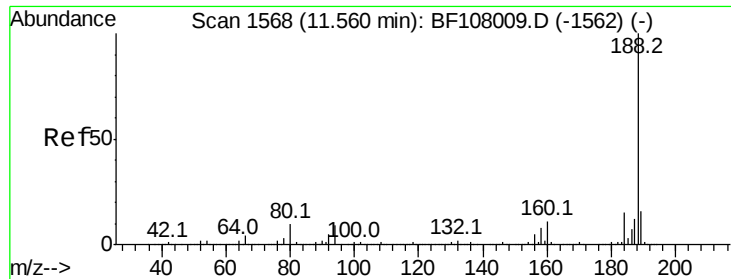
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#53
2,4-Dinitrophenol
Concen: 10.531 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	130.5	54.2	81.2#
154	783.4	184.0	276.0#





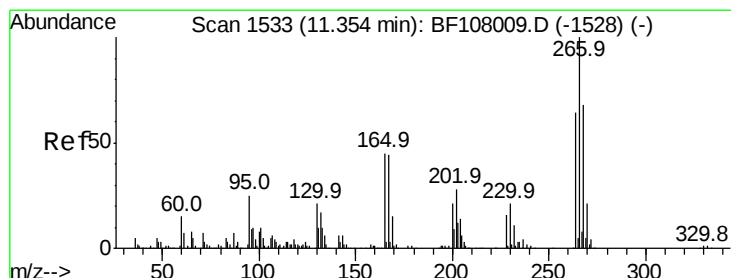
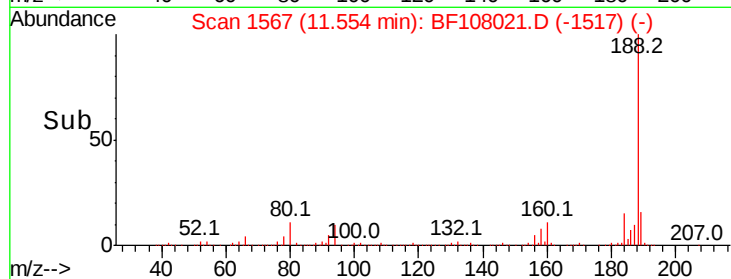
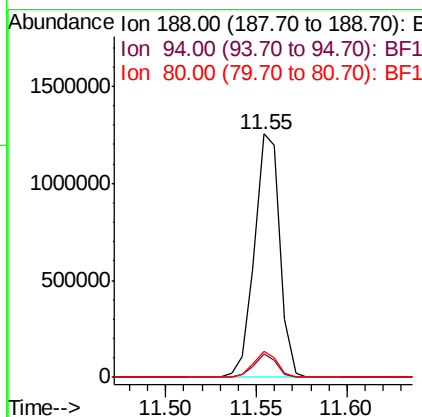
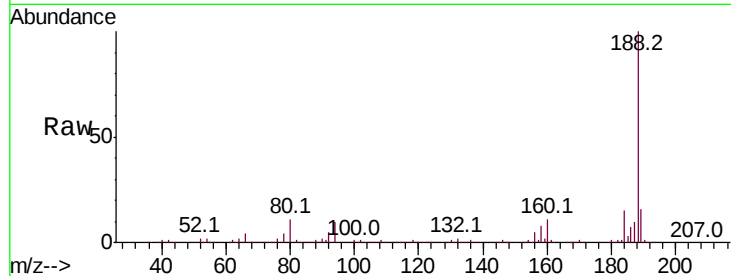
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.7	9.2	13.8

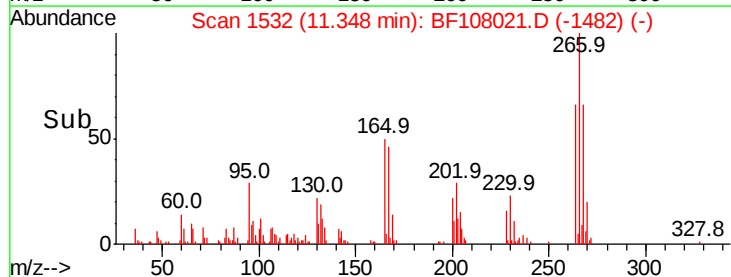
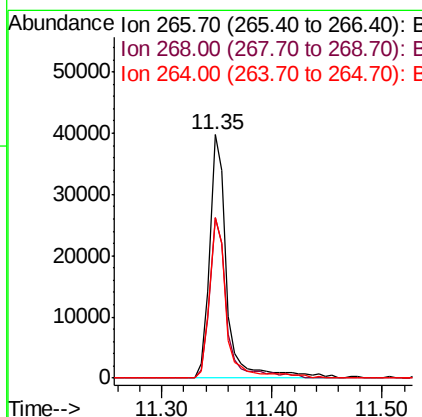
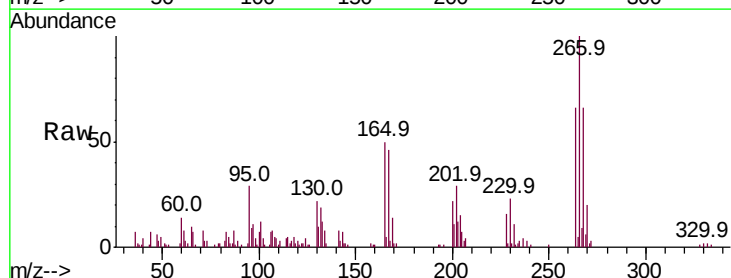
Manual Integrations
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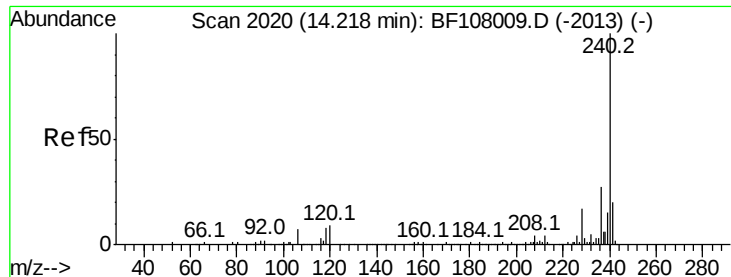
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#69
Pentachlorophenol
Concen: 6.269 ng
RT: 11.35 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.1	51.1	76.7
264	65.9	49.5	74.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:240 Resp: 1056465

Ion Ratio Lower Upper

240 100

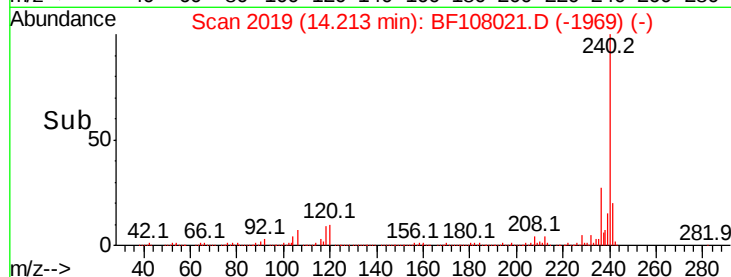
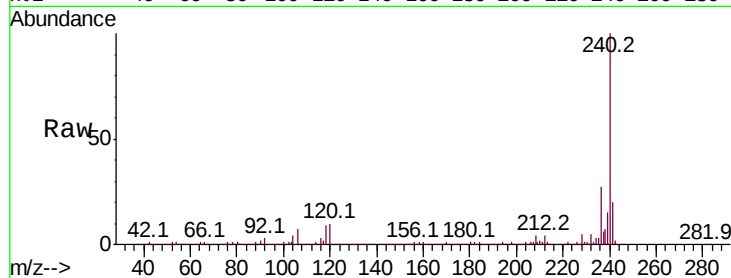
120 9.6 9.5 14.3

236 26.6 20.7 31.1

Manual Integrations
APPROVED

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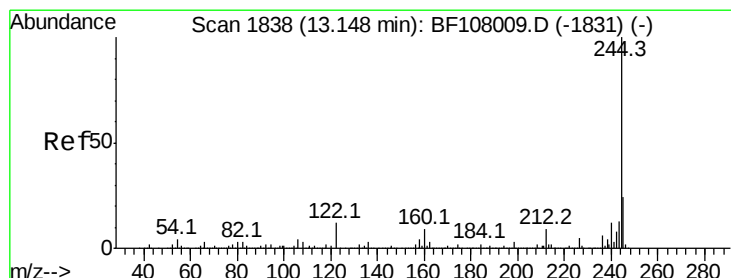
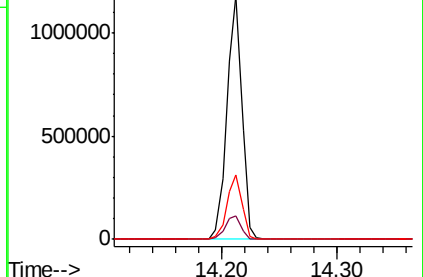
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 85.070 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

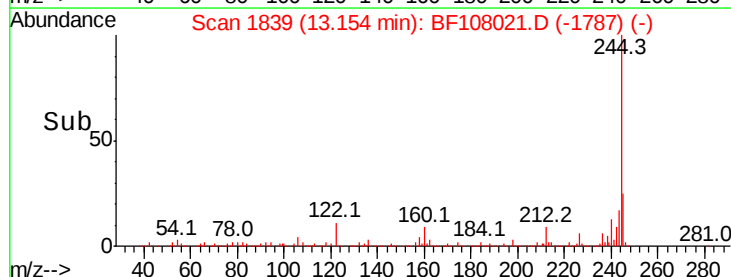
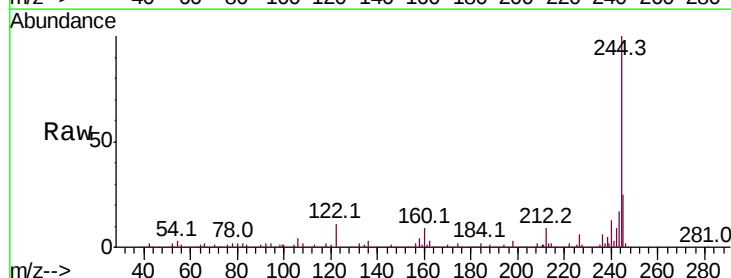
Tgt Ion:244 Resp: 3534741

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

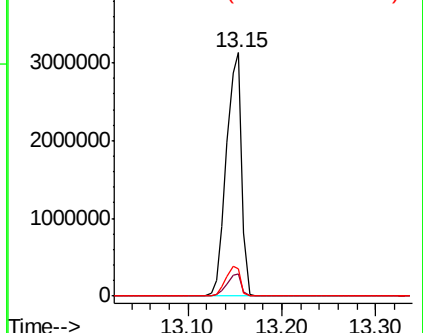
122 11.5 11.0 16.4

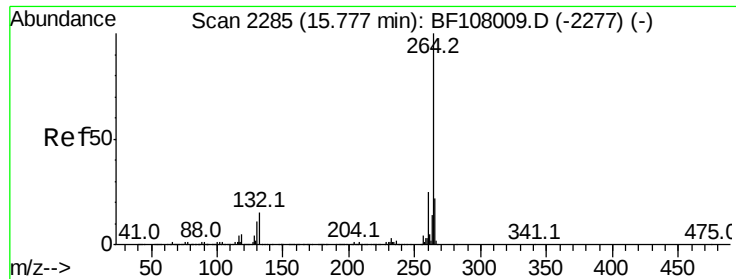


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	264	Resp:	939064
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.6	17.5	26.3

Manual Integrations
APPROVED

Sohil
8/9/2018 5:01:16 PM

