

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118206.D
 Acq On : 16 Dec 2019 19:47
 Operator : JU
 Sample : K6283-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Dec 17 03:44:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

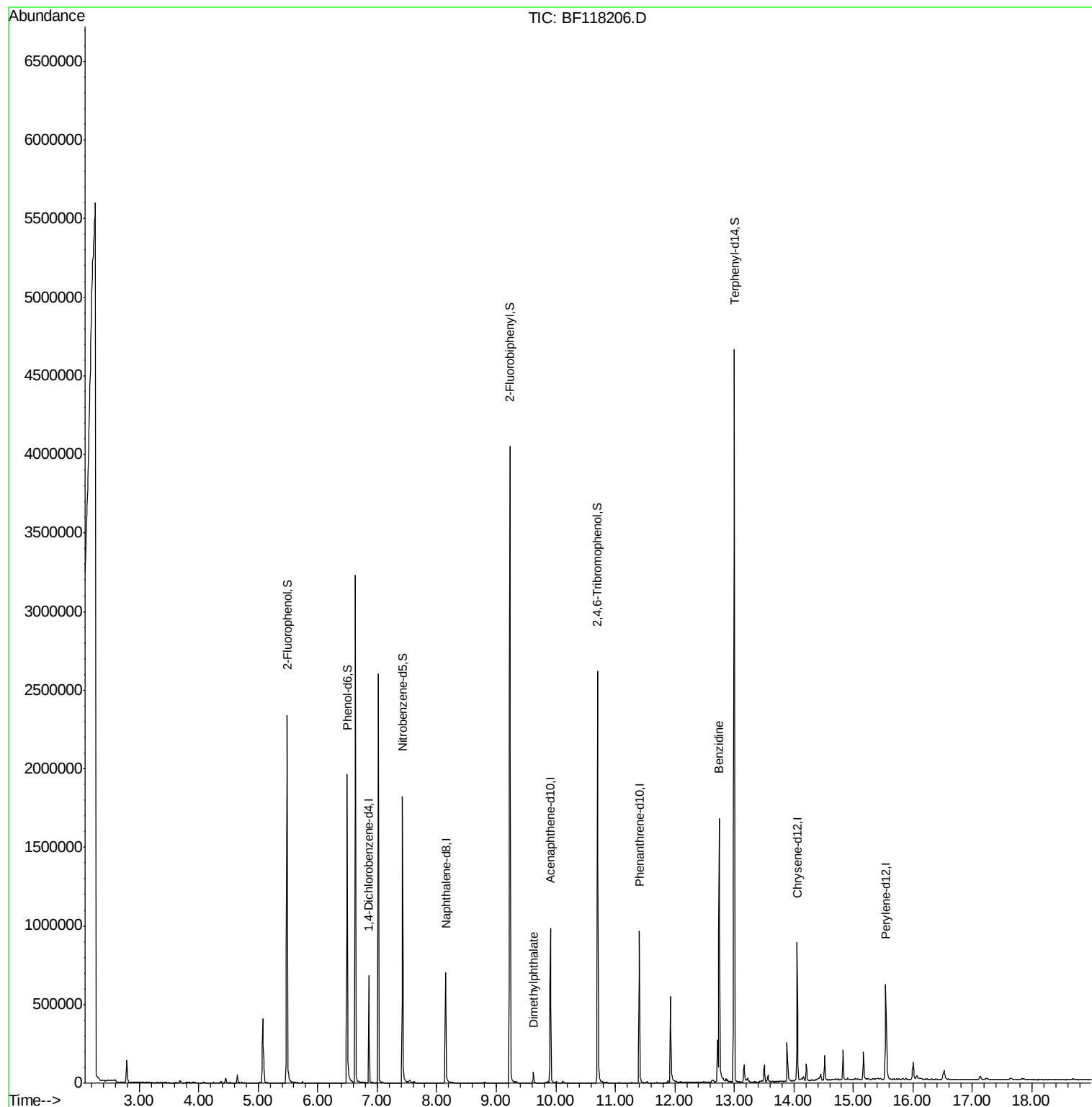
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	95168	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	367876	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	193036	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	374132	20.00	ng	0.00
76) Chrysene-d12	14.06	240	291114	20.00	ng	-0.01
87) Perylene-d12	15.54	264	286386	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	688593	126.73	ng	0.00
7) Phenol-d6	6.50	99	771092	117.33	ng	0.00
23) Nitrobenzene-d5	7.43	82	565488	86.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	336293	143.41	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1198011	94.44	ng	-0.01
79) Terphenyl-d14	13.00	244	1528582	90.29	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	33553	2.353	ng	Qvalue # 96
77) Benzidine	12.75	184	633558	82.671	ng	98

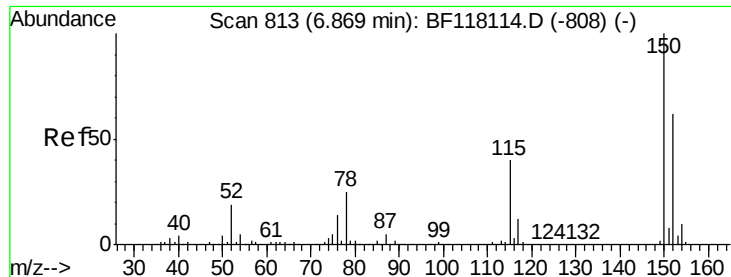
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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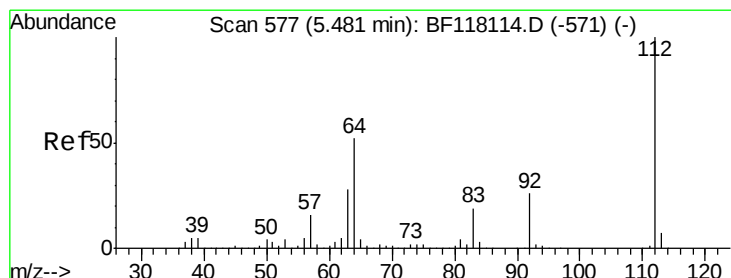
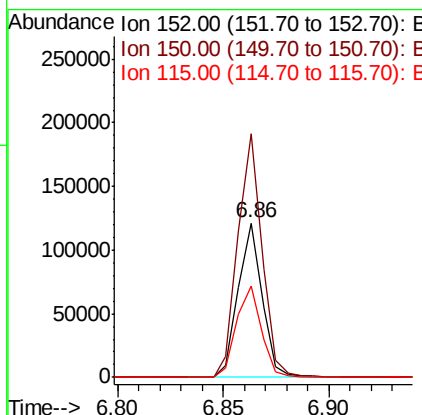
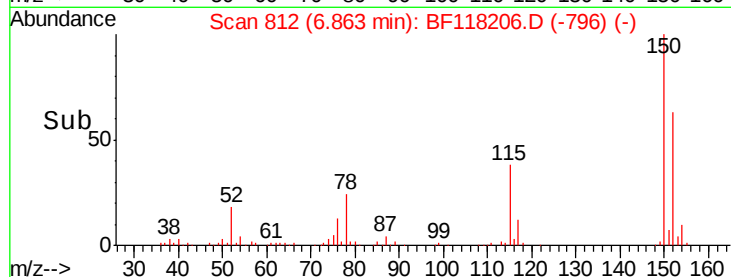
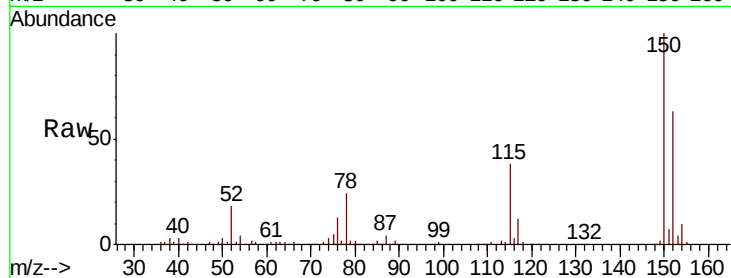


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118206.D
Acq: 16 Dec 2019 19:47

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

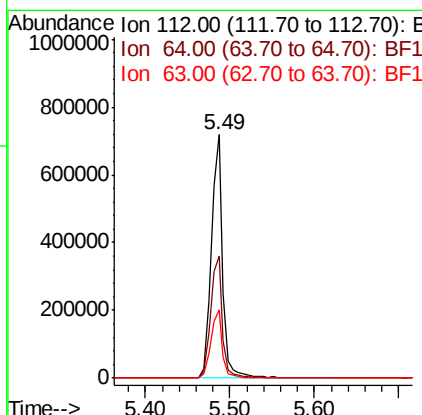
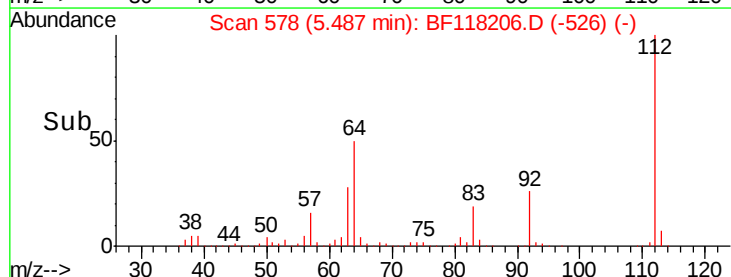
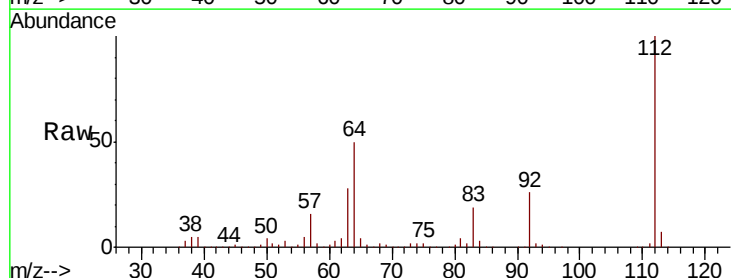
Tot Ion:152 Resp: 95168
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 59.3 51.1 76.7

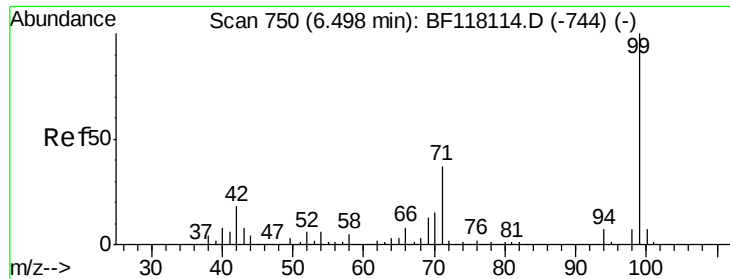


#5

2-Fluorophenol
Concen: 126.728 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118206.D
Acq: 16 Dec 2019 19:47

Tgt Ion:112 Resp: 688593
Ion Ratio Lower Upper
112 100
64 50.2 41.3 61.9
63 28.0 22.4 33.6





#7

Phenol-d6

Concen: 117.328 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

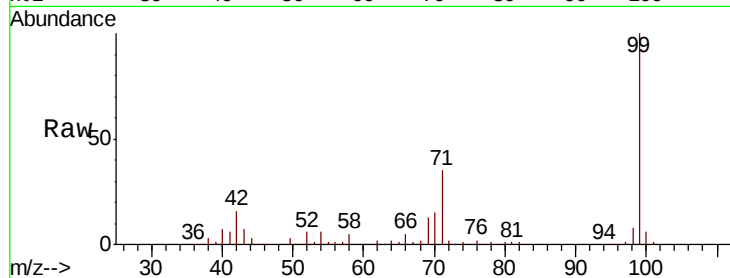
Tot Ion: 99 Resp: 771092

Ion Ratio Lower Upper

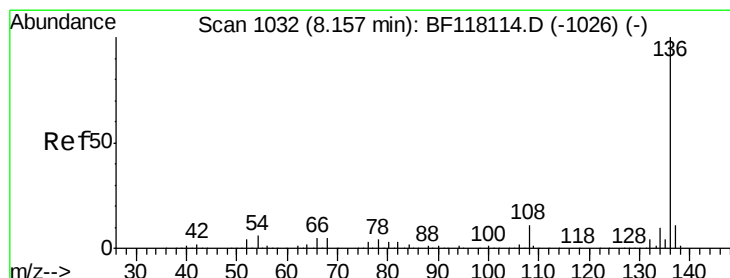
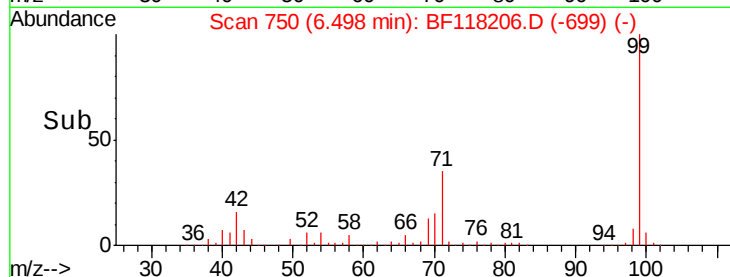
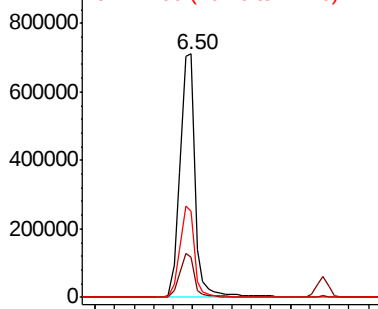
99 100

42 16.4 14.1 21.1

71 35.4 29.7 44.5



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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

Tgt Ion: 136 Resp: 367876

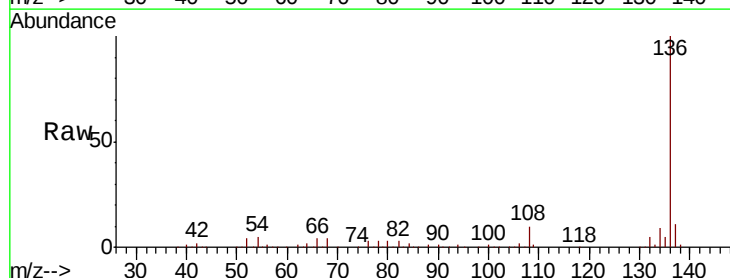
Ion Ratio Lower Upper

136 100

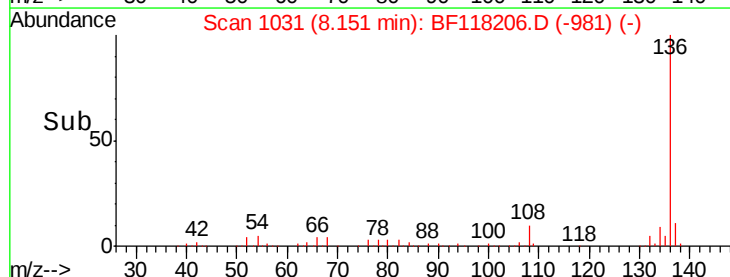
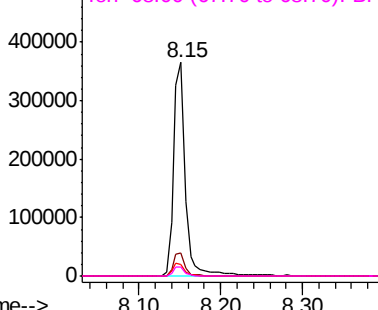
137 10.8 9.0 13.6

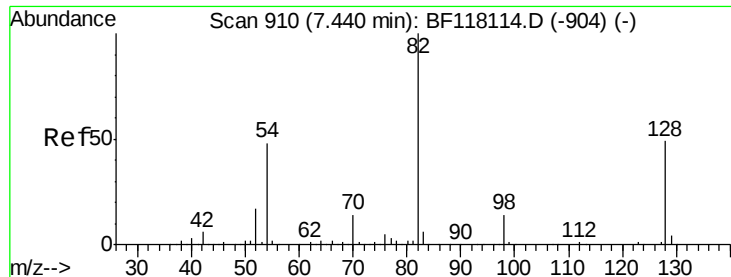
54 5.4 5.0 7.6

68 4.3 3.8 5.8



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

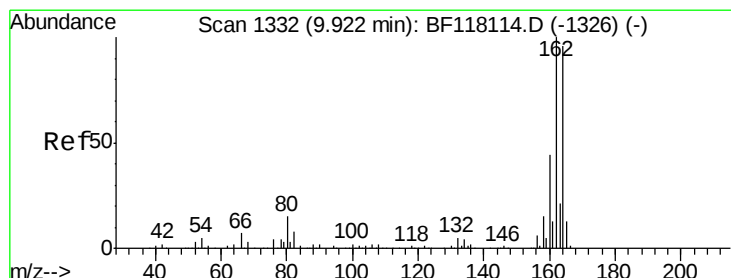
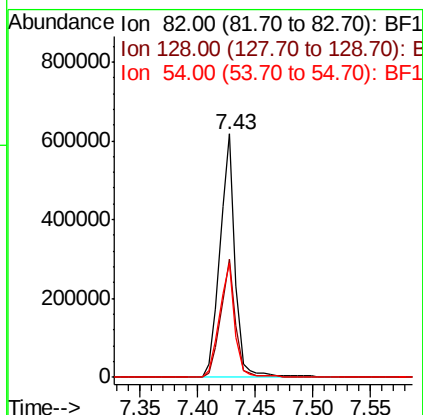
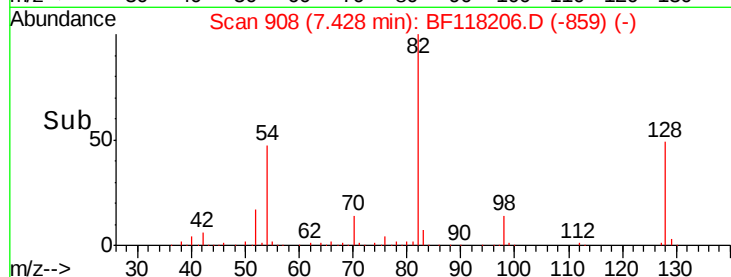
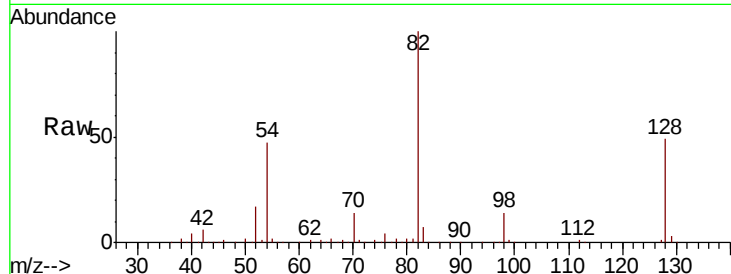




#23
Nitrobenzene-d5
Concen: 86.478 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118206.D
Acq: 16 Dec 2019 19:47

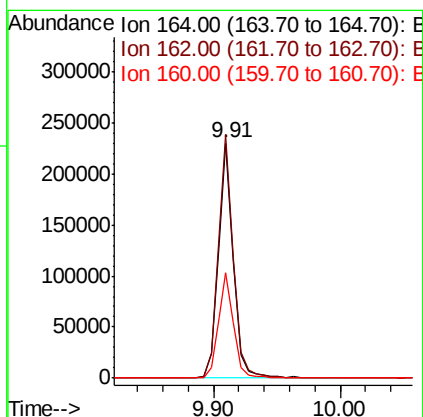
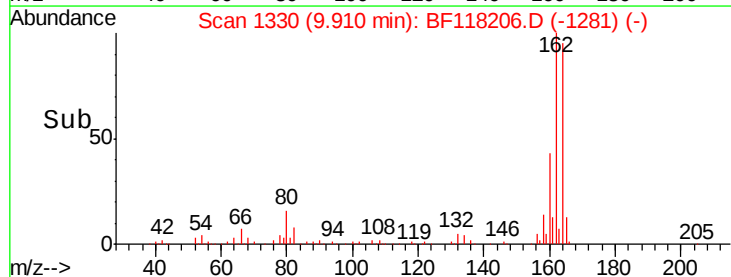
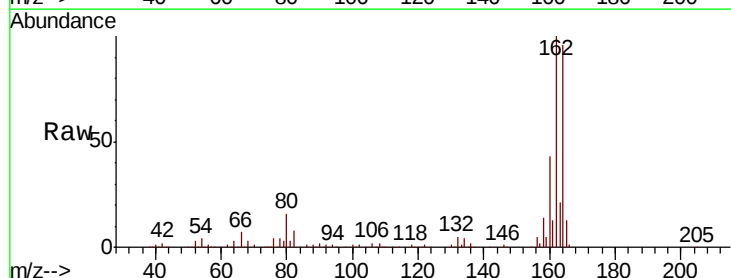
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

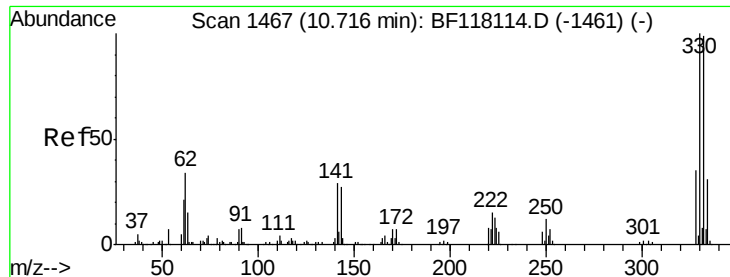
Tot Ion: 82 Resp: 565488
Ion Ratio Lower Upper
82 100
128 48.7 39.1 58.7
54 47.1 38.2 57.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118206.D
Acq: 16 Dec 2019 19:47

Tgt Ion:164 Resp: 193036
Ion Ratio Lower Upper
164 100
162 103.7 83.4 125.0
160 44.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 143.406 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

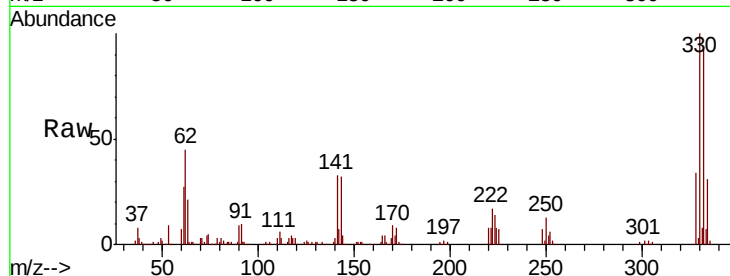
Tot Ion:330 Resp: 336293

Ion Ratio Lower Upper

330 100

332 94.8 78.1 117.1

141 32.7 26.9 40.3

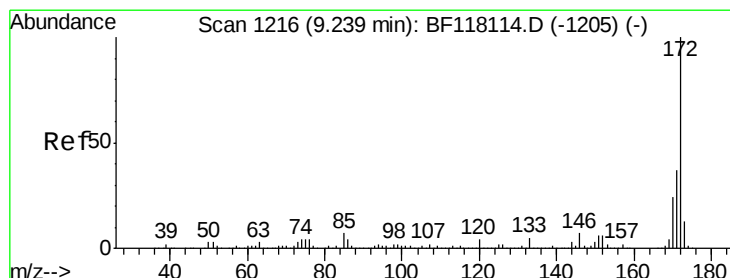
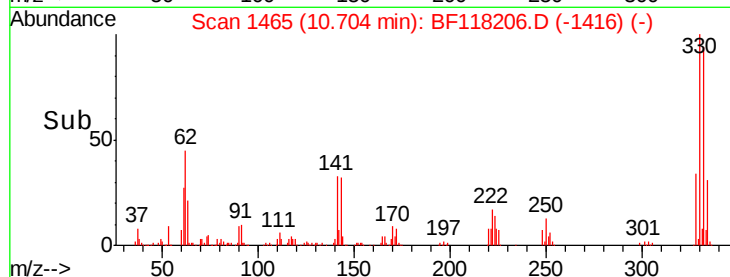
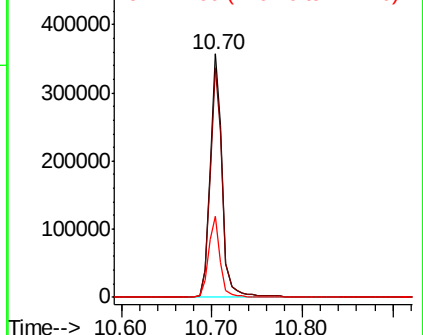


Abundance

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



#45

2-Fluorobiphenyl

Concen: 94.436 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

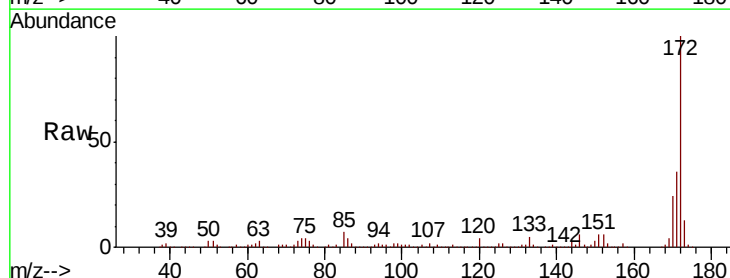
Tgt Ion:172 Resp: 1198011

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 23.6 19.4 29.2

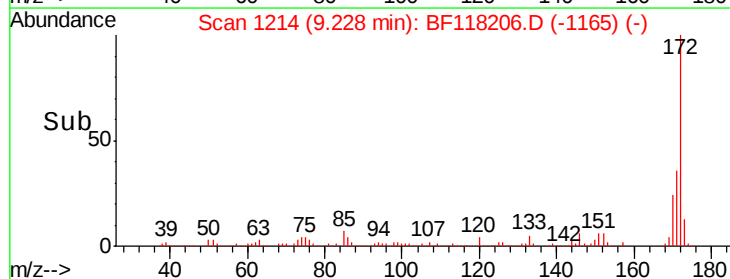
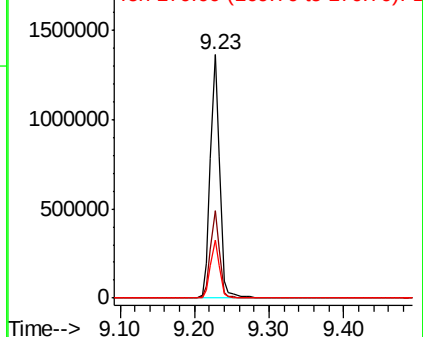


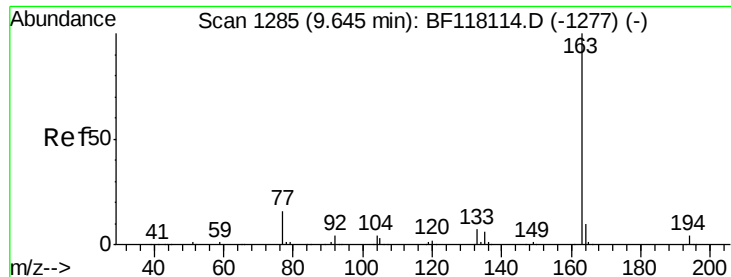
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.353 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

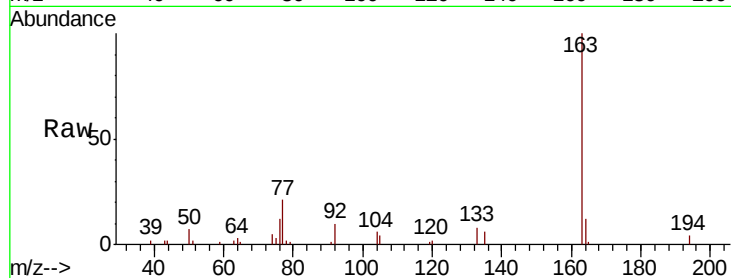
Tot Ion:163 Resp: 33553

Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

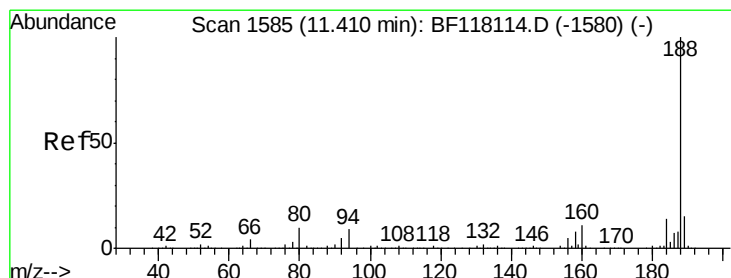
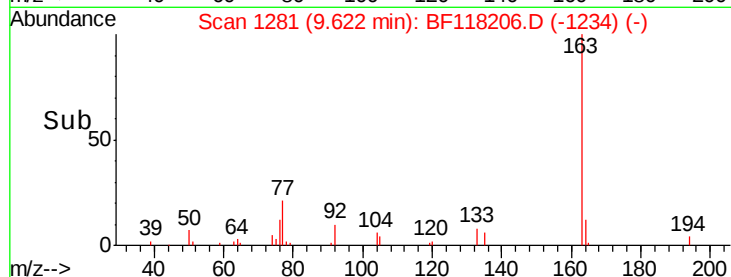
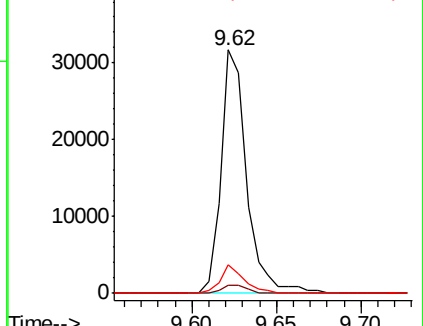
164 11.7 7.7 11.5#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

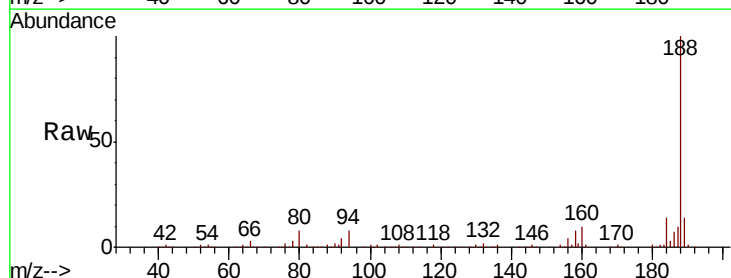
Tgt Ion:188 Resp: 374132

Ion Ratio Lower Upper

188 100

94 7.6 7.1 10.7

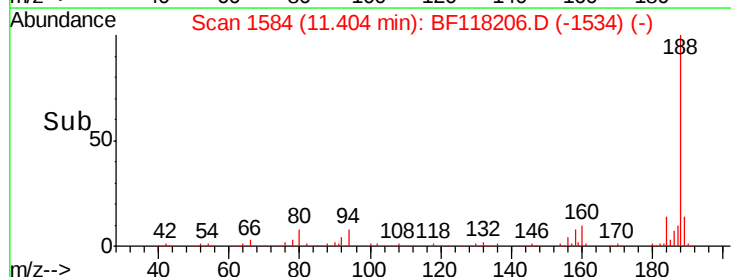
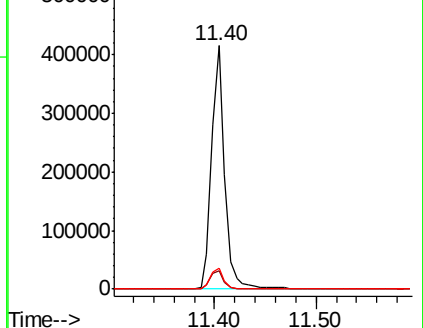
80 8.3 7.9 11.9

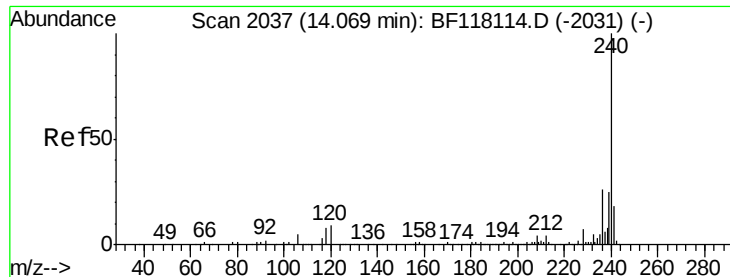


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

Instrument :

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ClientSampleId :

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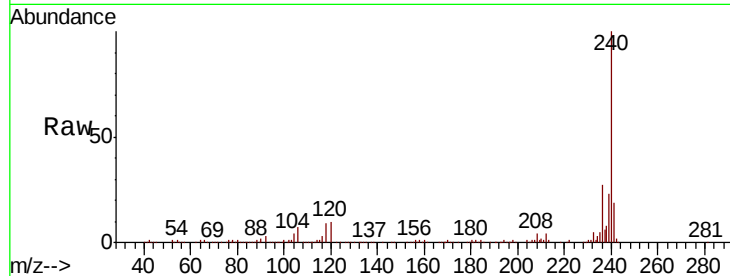
Tot Ion:240 Resp: 291114

Ion Ratio Lower Upper

240 100

120 9.6 7.1 10.7

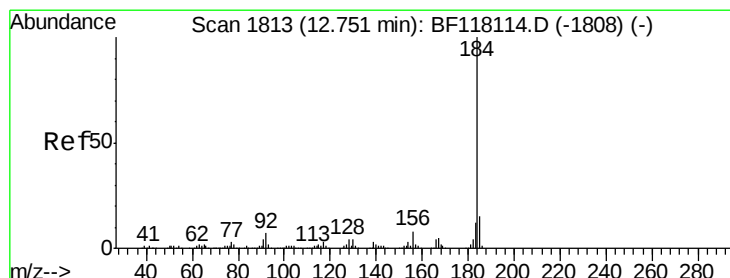
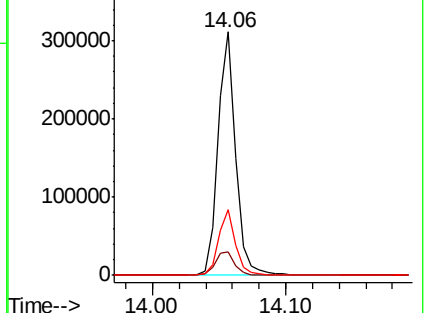
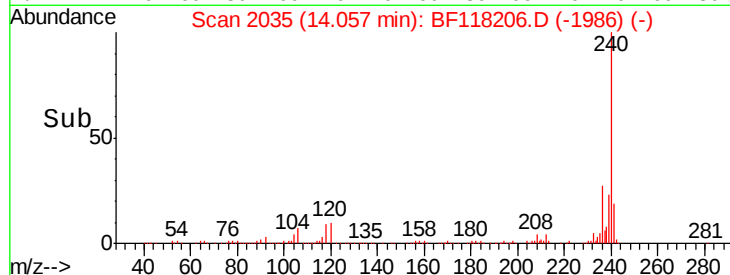
236 26.9 21.0 31.6



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



#77

Benzidine

Concen: 82.671 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

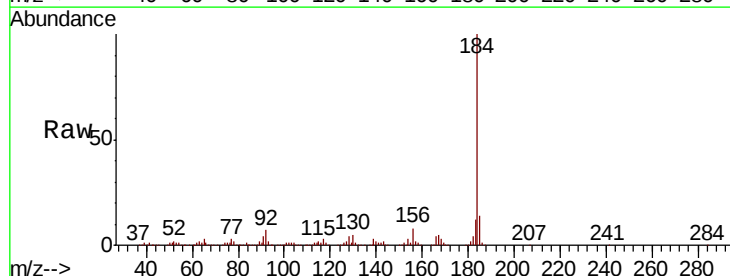
Tgt Ion:184 Resp: 633558

Ion Ratio Lower Upper

184 100

185 14.3 12.3 18.5

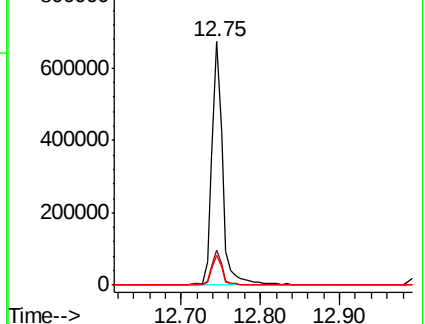
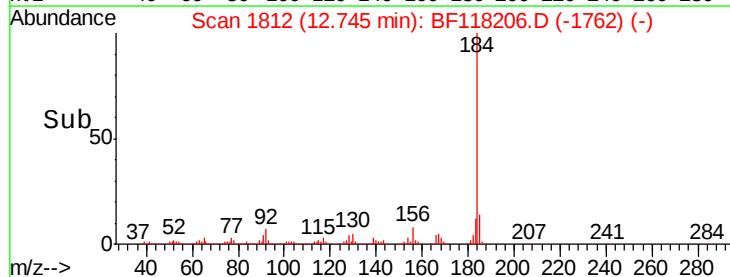
183 12.2 9.9 14.9

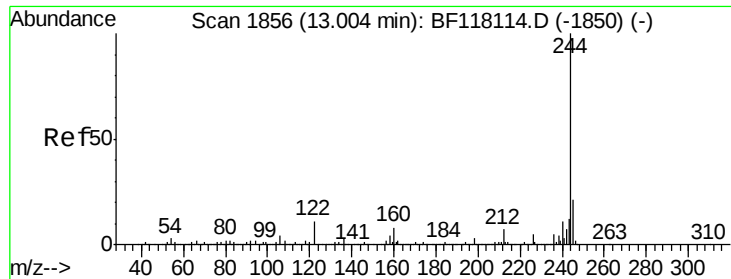


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.294 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

Instrument :

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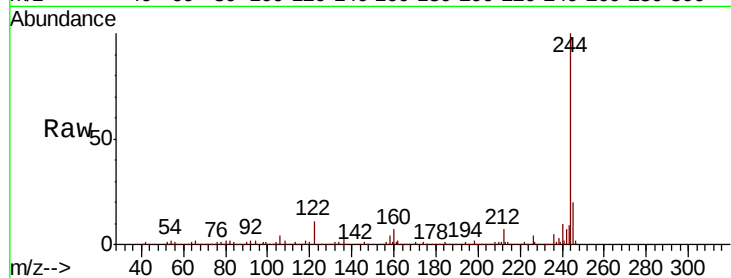
Tot Ion:244 Resp: 1528582

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.8	9.0	13.6

244 100

212 7.1 5.9 8.9

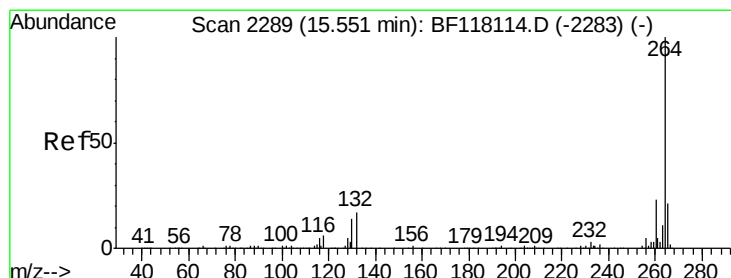
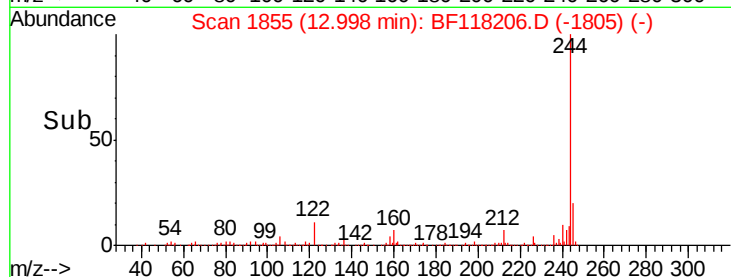
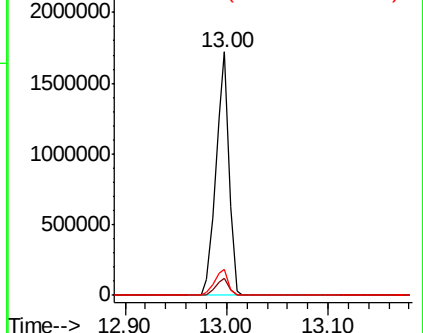
122 10.8 9.0 13.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118206.D

Acq: 16 Dec 2019 19:47

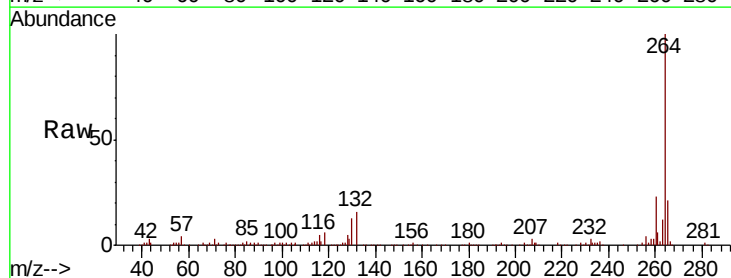
Tgt Ion:264 Resp: 286386

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	20.7	16.8	25.2

264 100

260 23.0 18.6 28.0

265 20.7 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

