

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109397.D
 Acq On : 27 Sep 2018 19:43
 Operator : JU/SJ
 Sample : J5077-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-2

Quant Time: Sep 28 05:14:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	114672	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	443327	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	205600	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	345966	20.00	ng	0.00
75) Chrysene-d12	13.84	240	276025	20.00	ng	0.00
86) Perylene-d12	15.24	264	261117	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	503310	72.29	ng	0.00
7) Phenol-d6	6.35	99	642689	72.34	ng	-0.01
23) Nitrobenzene-d5	7.26	82	420659	56.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	139990	69.07	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	639953	46.94	ng	-0.01
78) Terphenyl-d14	12.79	244	490559	43.62	ng	-0.01

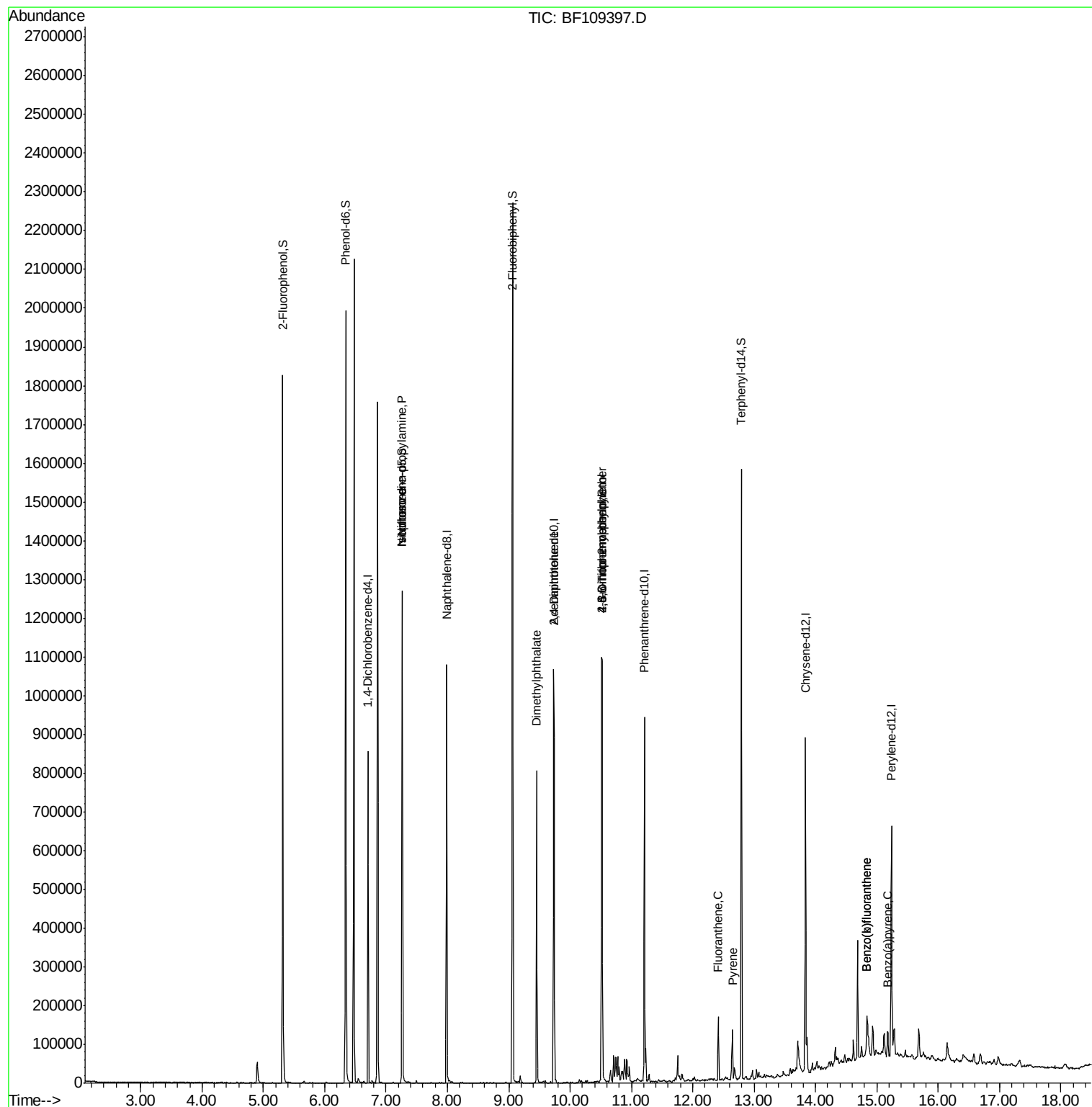
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	55354	9.509	ng	# 78
25) Isophorone	7.26	82	392686	29.037	ng	# 64
49) Dimethylphthalate	9.46	163	297857	19.918	ng	99
56) 2,4-Dinitrotoluene	9.73	165	25997	6.937	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	158	6.618	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8407	2.188	ng	# 1
74) Fluoranthene	12.42	202	59637	3.231	ng	99
77) Pyrene	12.65	202	52469	2.652	ng	99
87) Benzo(b)fluoranthene	14.84	252	63407	4.419	ng	98
88) Benzo(k)fluoranthene	14.84	252	63407	4.657	ng	98
89) Benzo(a)pyrene	15.18	252	28777	2.226	ng	96

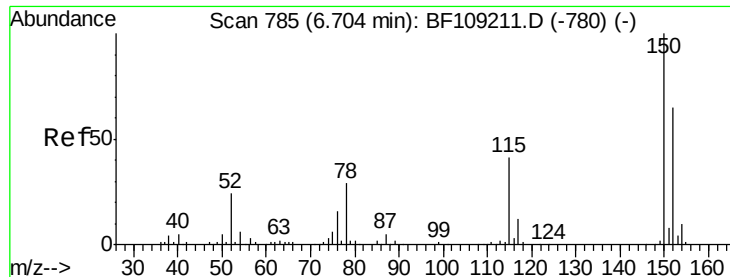
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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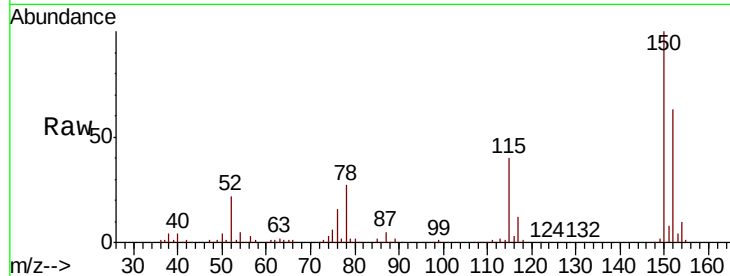


#1

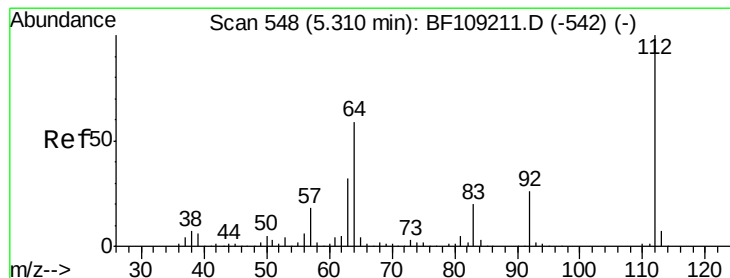
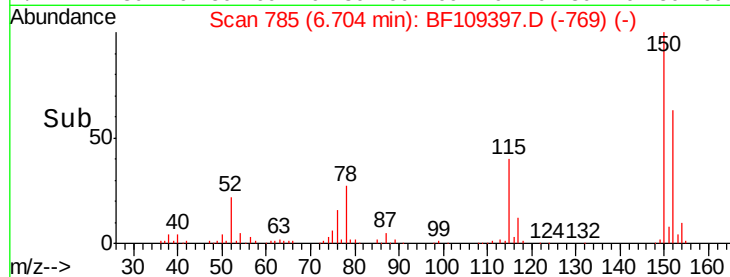
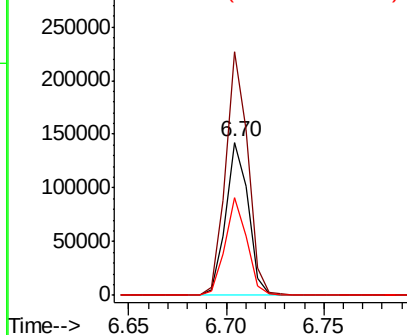
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109397.D
Acq: 27 Sep 2018 19:43

Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-2

Tgt Ion:152 Resp: 114672
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 63.9 50.1 75.1



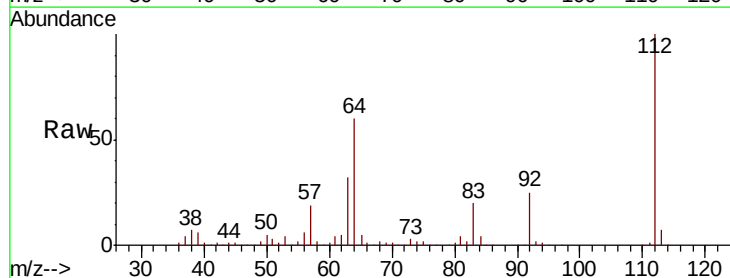
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



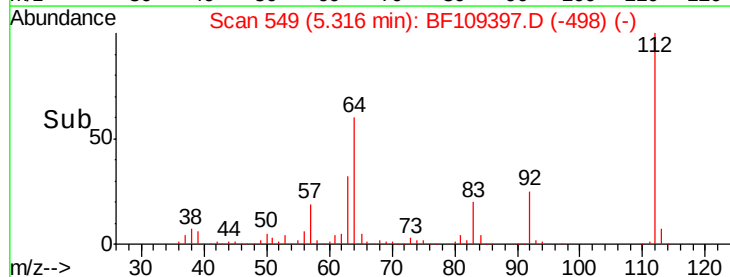
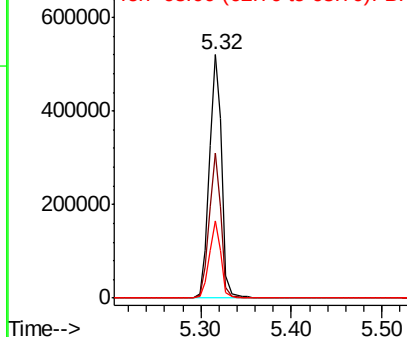
#5

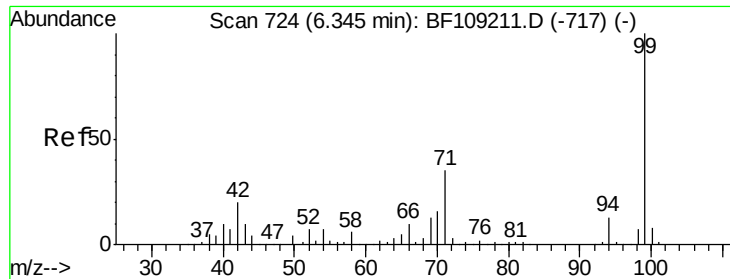
2-Fluorophenol
Concen: 72.292 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109397.D
Acq: 27 Sep 2018 19:43

Tgt Ion:112 Resp: 503310
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 31.9 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: 72.343 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-2

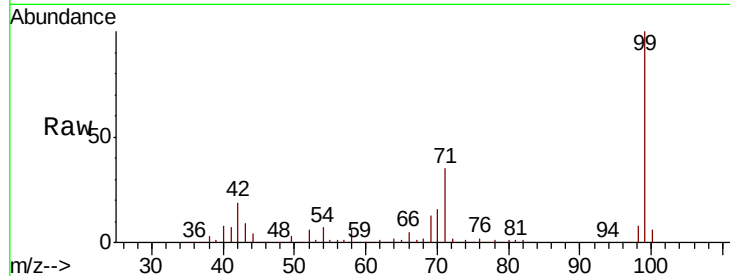
Tgt Ion: 99 Resp: 642689

Ion Ratio Lower Upper

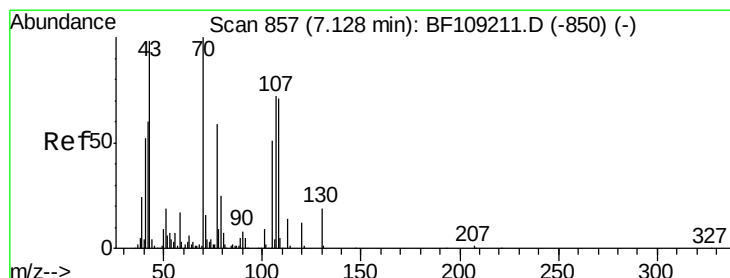
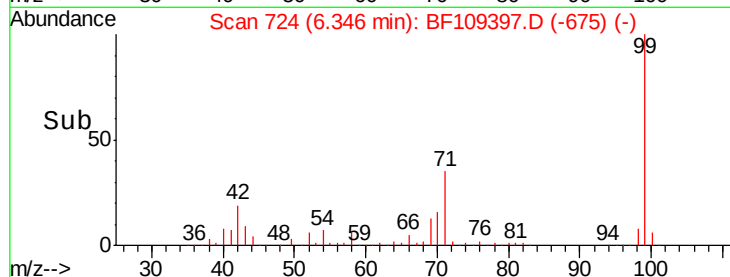
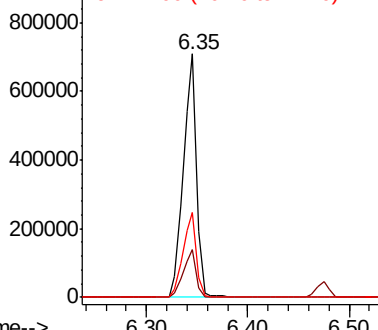
99 100

42 19.4 14.5 21.7

71 34.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.509 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

Tgt Ion: 70 Resp: 55354

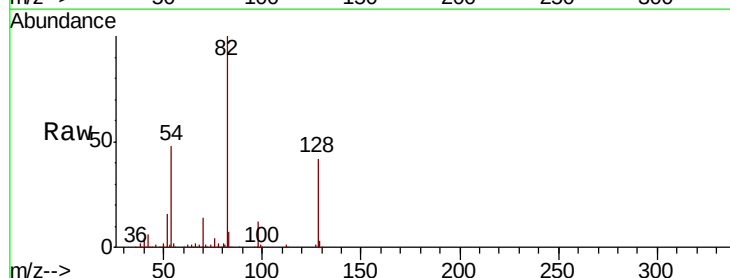
Ion Ratio Lower Upper

70 100

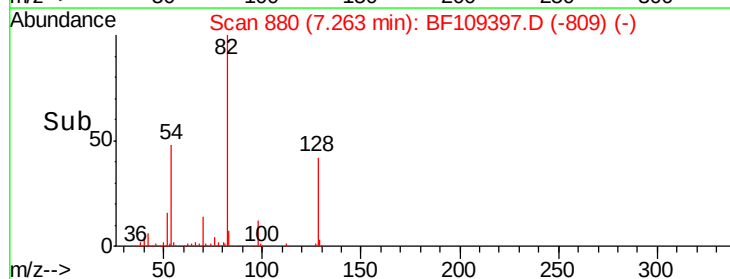
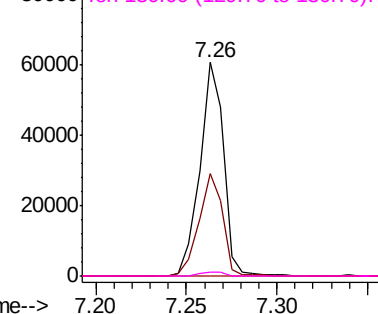
42 47.9 47.5 71.3

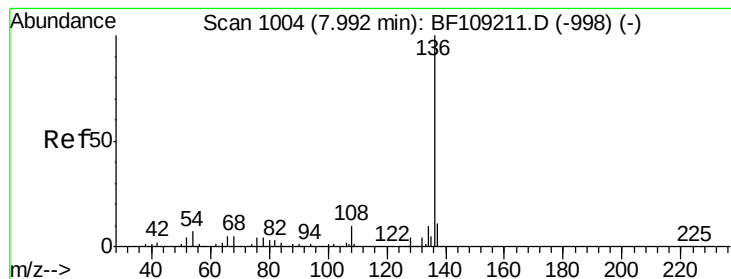
101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-2

Tgt Ion:136 Resp: 443327

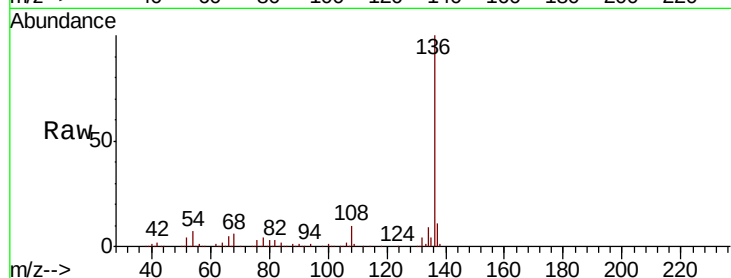
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.1 6.6 9.8

68 5.6 5.0 7.4

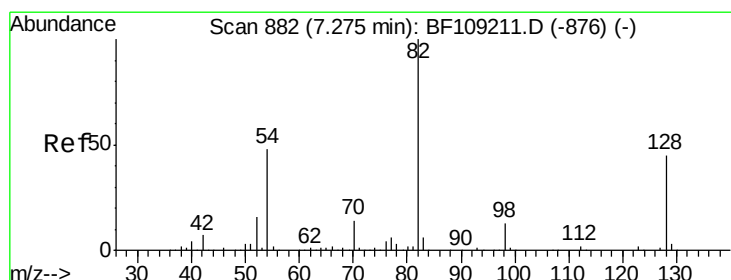
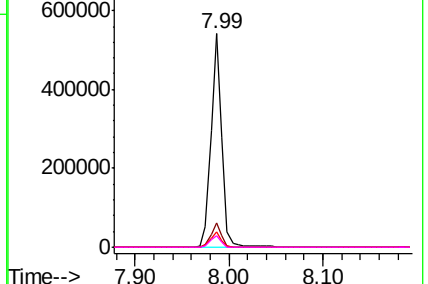
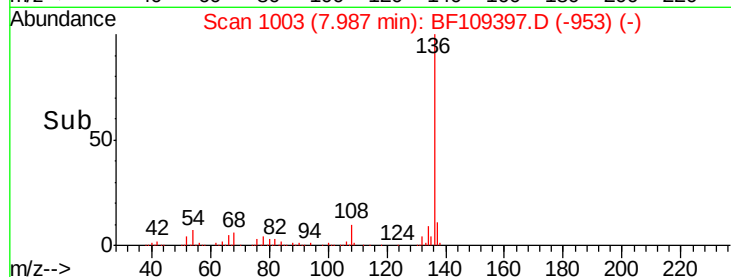


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.013 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

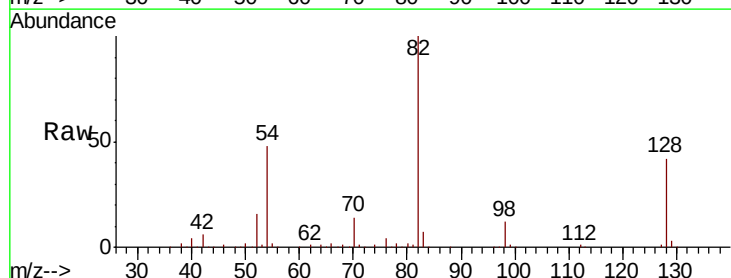
Tgt Ion: 82 Resp: 420659

Ion Ratio Lower Upper

82 100

128 42.1 36.1 54.1

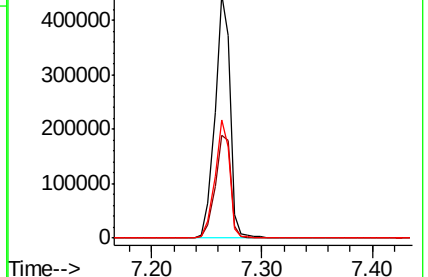
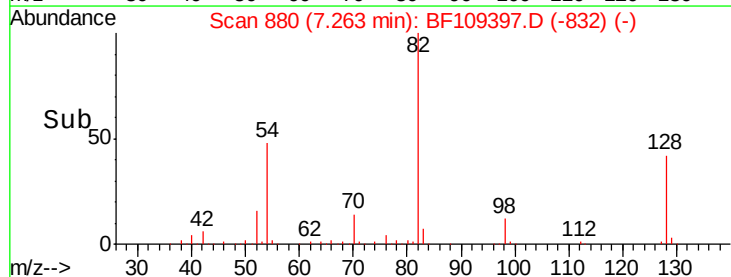
54 48.4 41.4 62.2

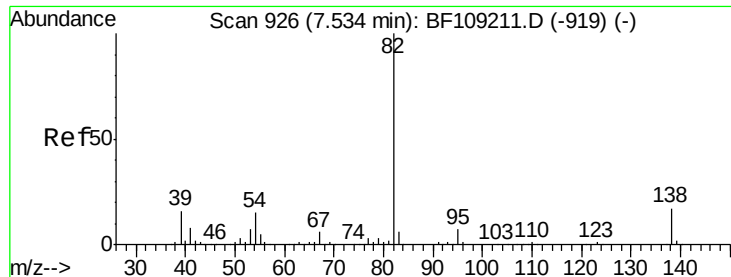


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

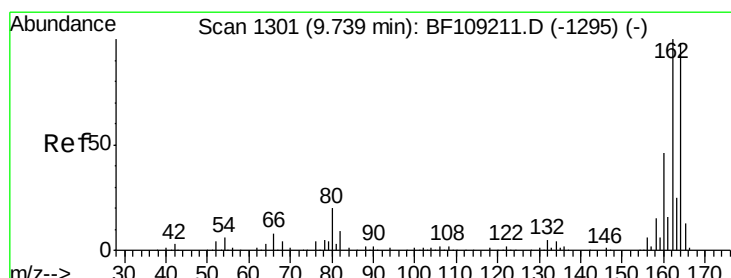
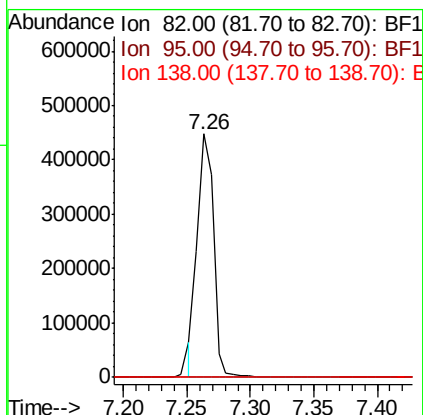
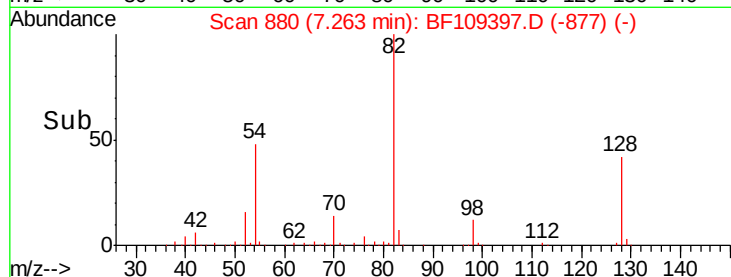
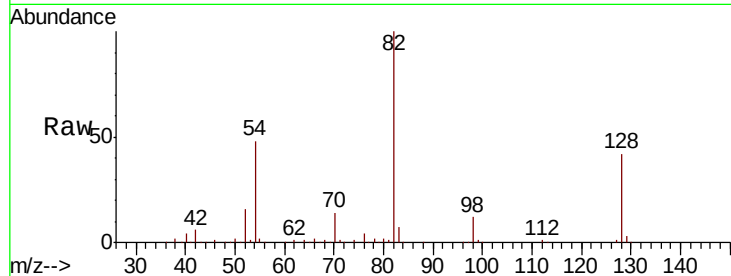




#25
Isophorone
Concen: 29.037 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109397.D
Acq: 27 Sep 2018 19:43

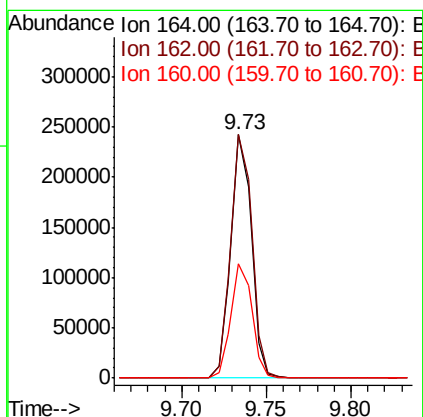
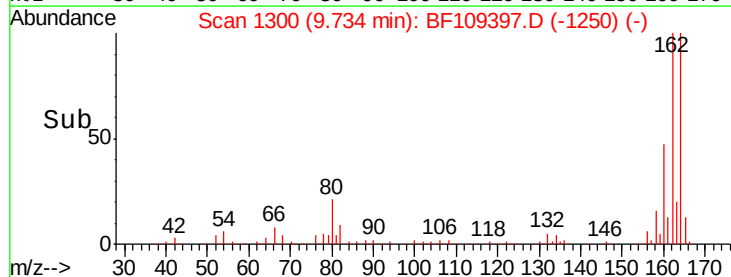
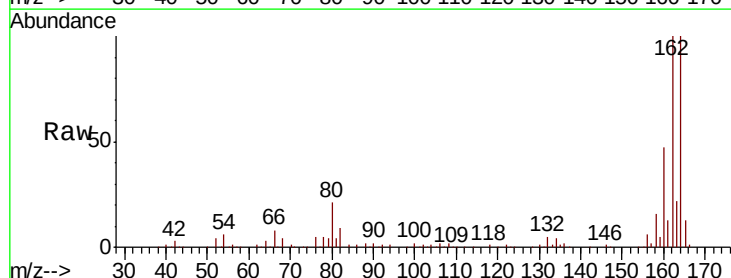
Instrument :
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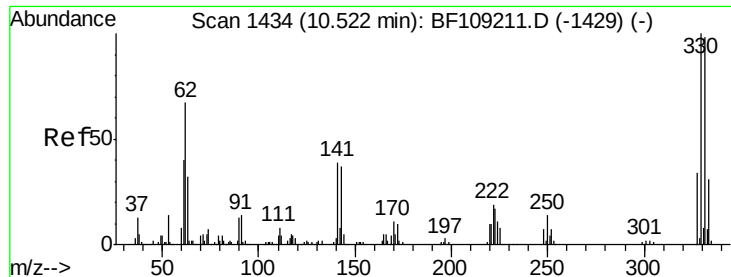
Tgt Ion: 82 Resp: 392686
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109397.D
Acq: 27 Sep 2018 19:43

Tgt Ion: 164 Resp: 205600
Ion Ratio Lower Upper
164 100
162 100.0 86.1 129.1
160 46.7 38.3 57.5

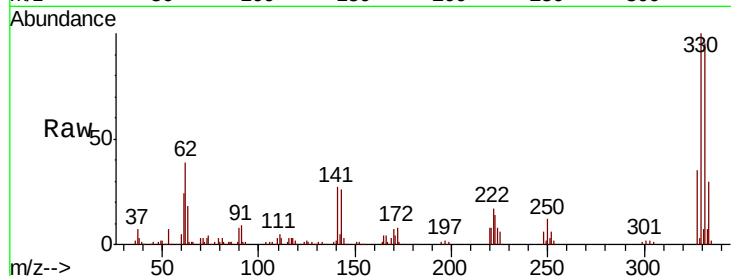




#41
 2,4,6-Tribromophenol
 Concen: 69.070 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	33.4	29.9	44.9

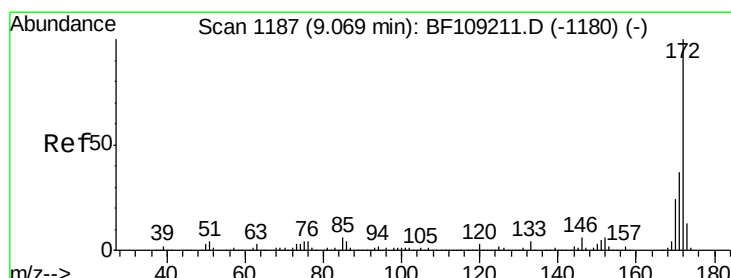
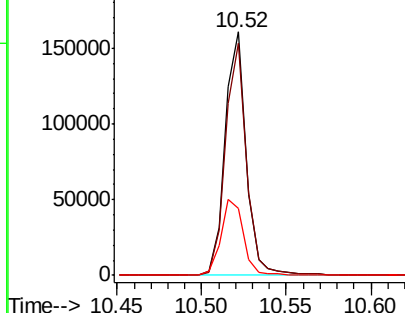
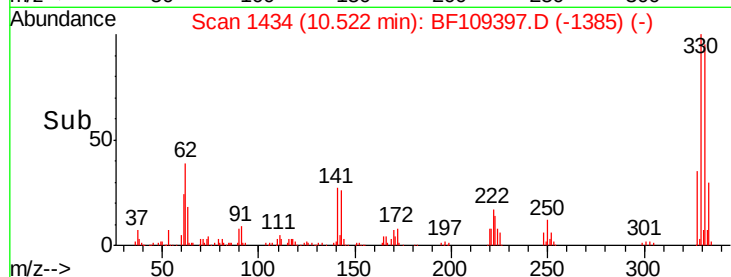


Abundance

Ion 329.80 (329.50 to 330.50): E

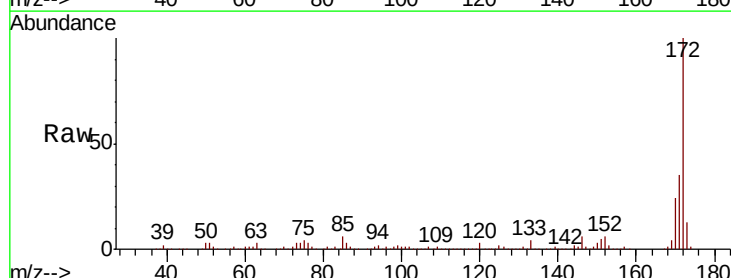
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 46.944 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.1	19.6	29.4

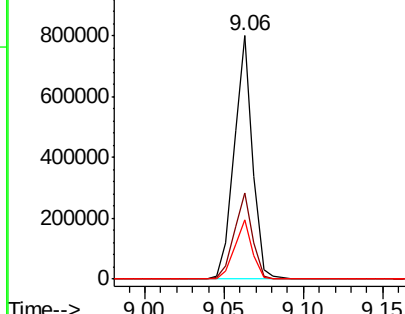
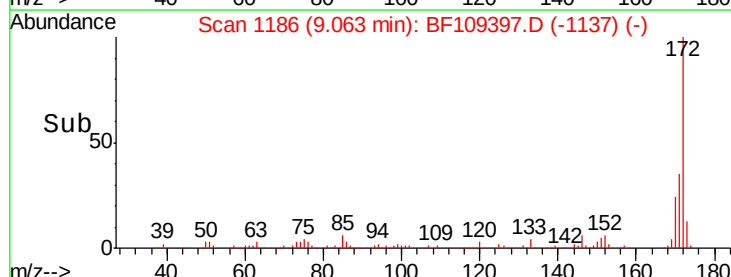


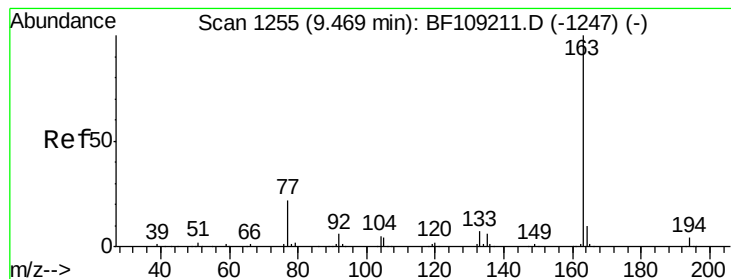
Abundance

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





#49

Dimethylphthalate

Concen: 19.918 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

Instrument :

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ClientSampleId :

PARCEL-186-092418-2

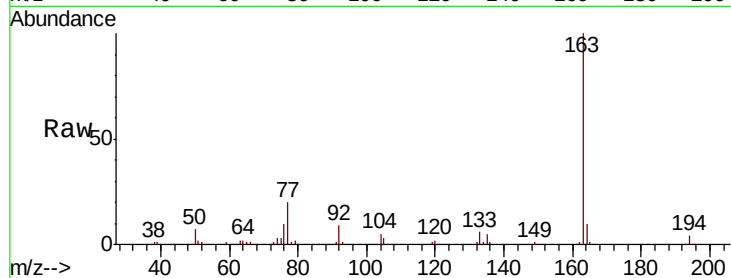
Tgt Ion:163 Resp: 297857

Ion Ratio Lower Upper

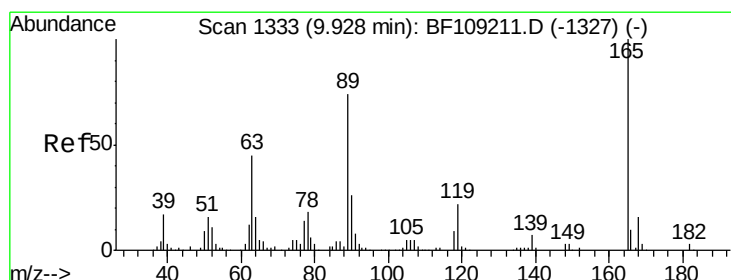
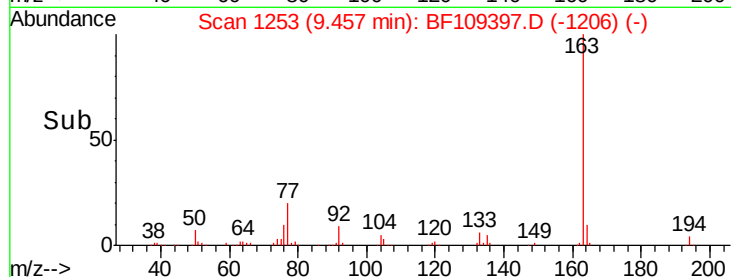
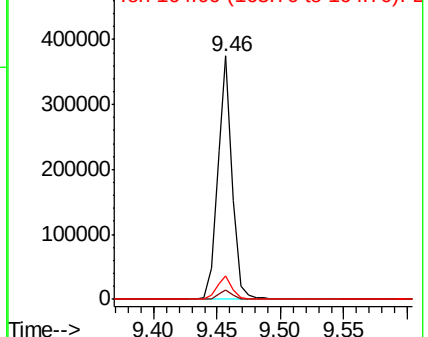
163 100

194 3.9 2.7 4.1

164 9.8 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.937 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

Tgt Ion:165 Resp: 25997

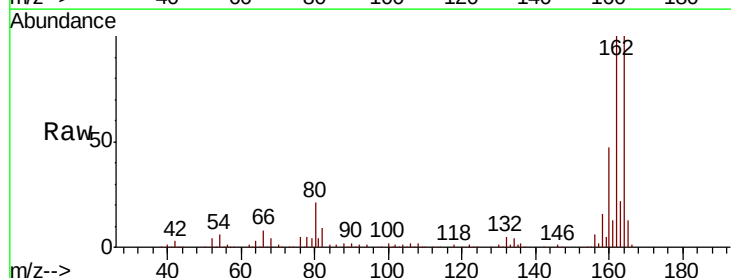
Ion Ratio Lower Upper

165 100

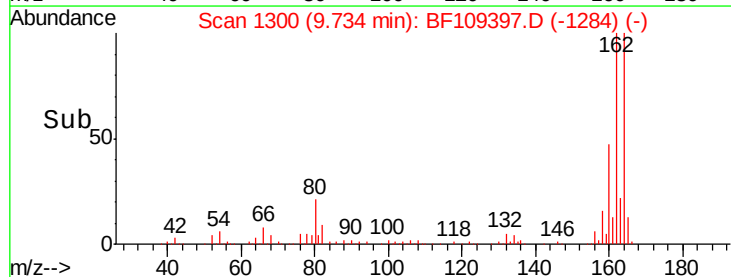
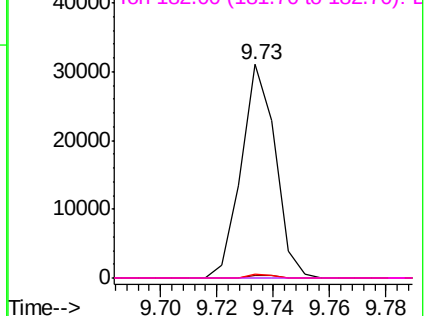
63 1.4 36.4 54.6#

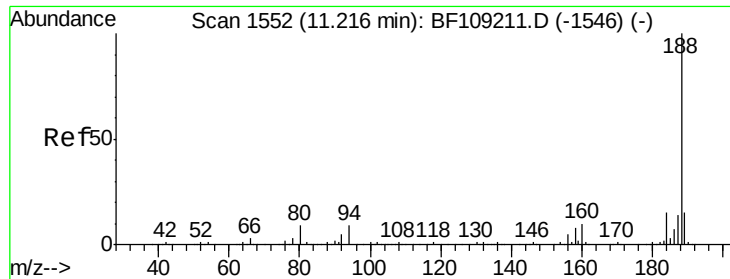
89 1.6 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

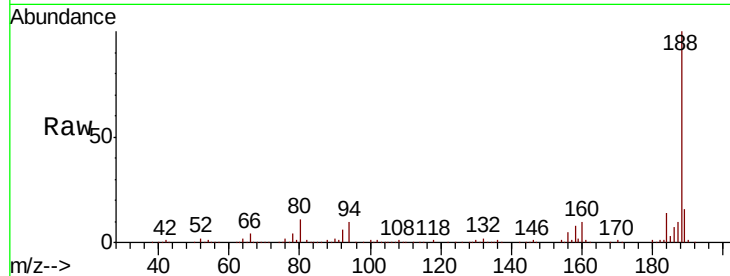




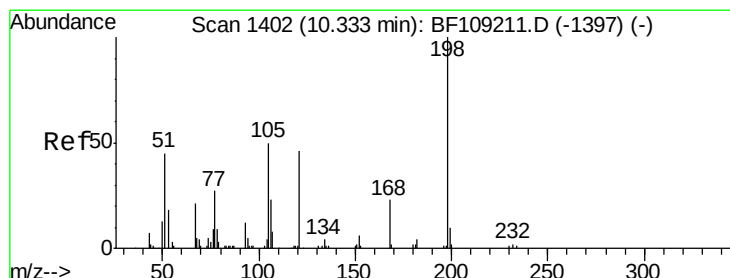
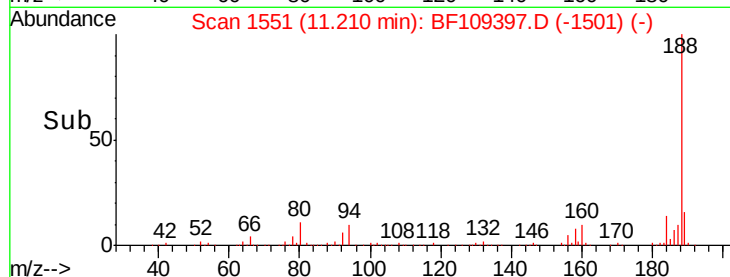
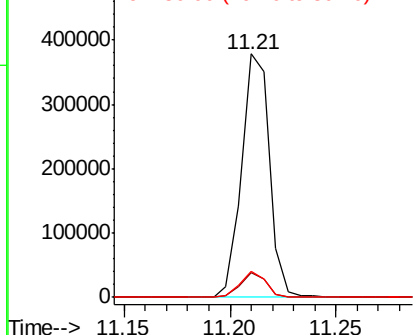
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-2

Tgt Ion:188 Resp: 345966
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.9 9.2 13.8

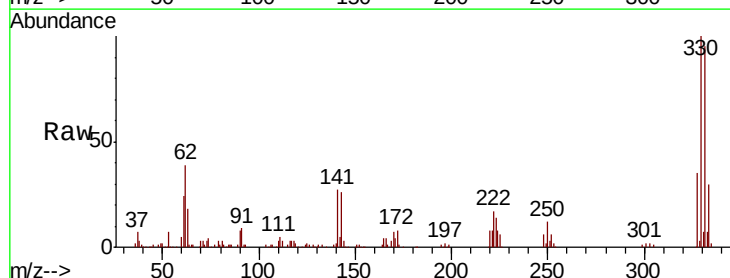


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

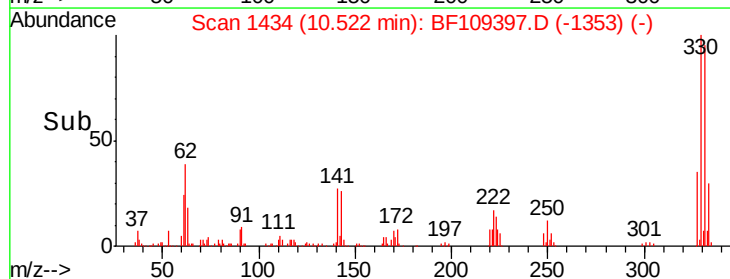
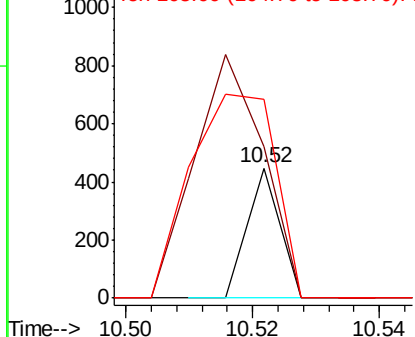


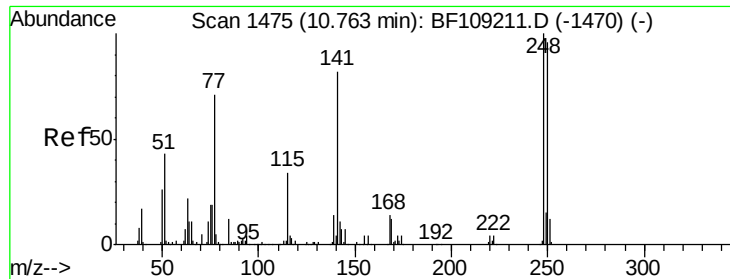
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.618 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Tgt Ion:198 Resp: 158
 Ion Ratio Lower Upper
 198 100
 51 116.3 37.7 77.7#
 105 153.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

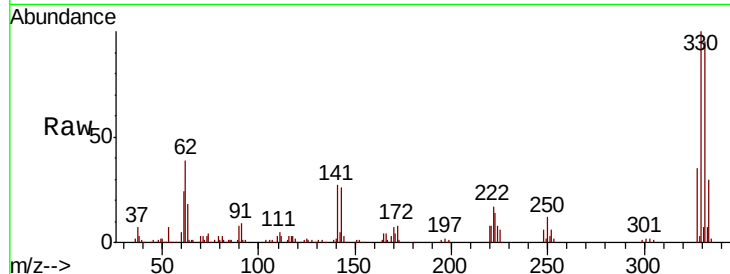




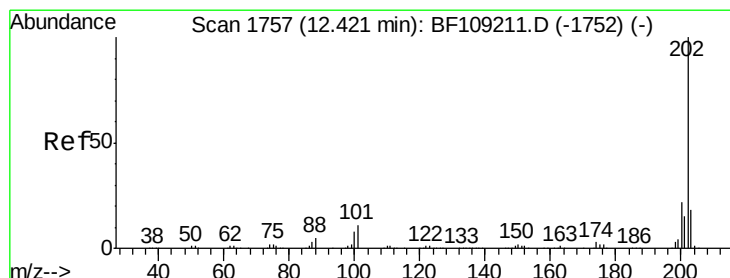
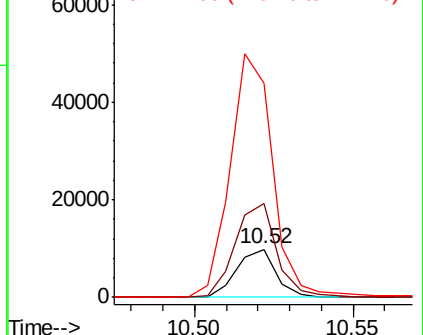
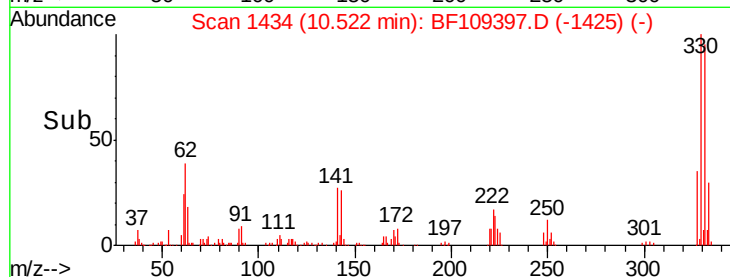
#66
 4-Bromophenyl-phenylether
 Concen: 2.188 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-2

Tgt Ion: 248 Resp: 8407
 Ion Ratio Lower Upper
 248 100
 250 194.7 76.9 115.3#
 141 446.4 74.4 111.6#

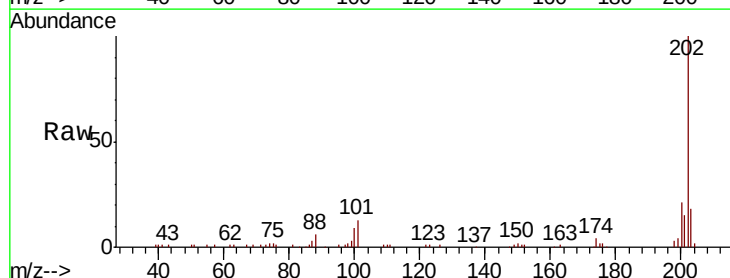


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

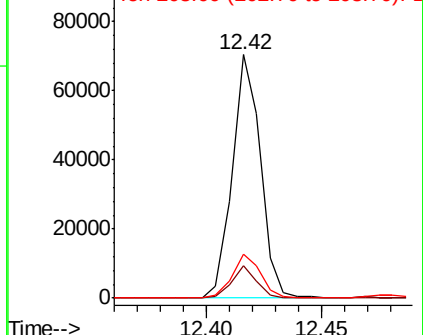
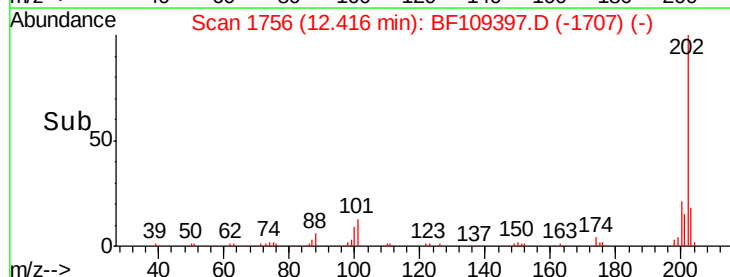


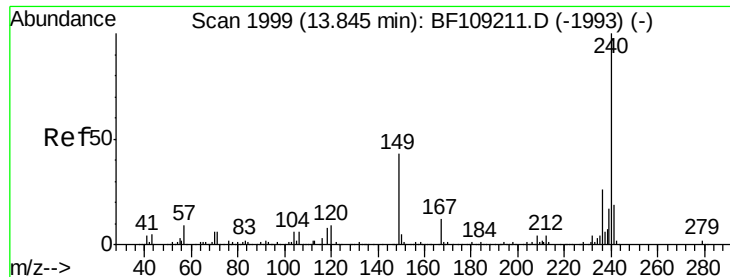
#74
 Fluoranthene
 Concen: 3.231 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Tgt Ion: 202 Resp: 59637
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 34.1
 203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-2

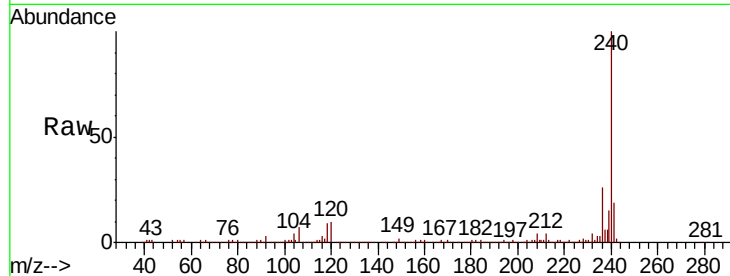
Tgt Ion:240 Resp: 276025

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

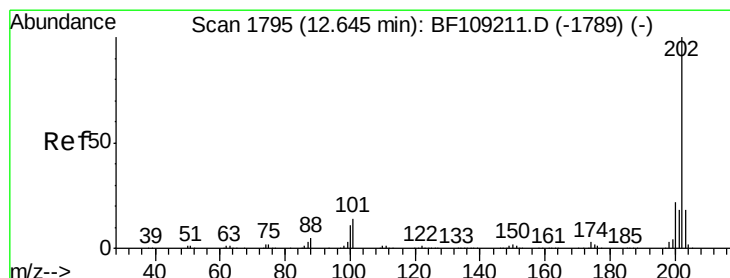
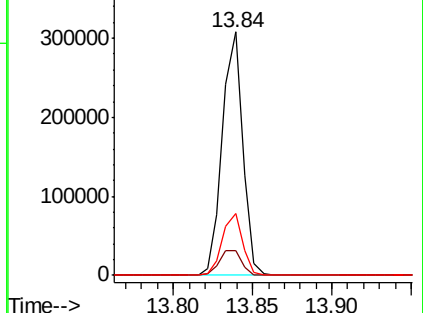
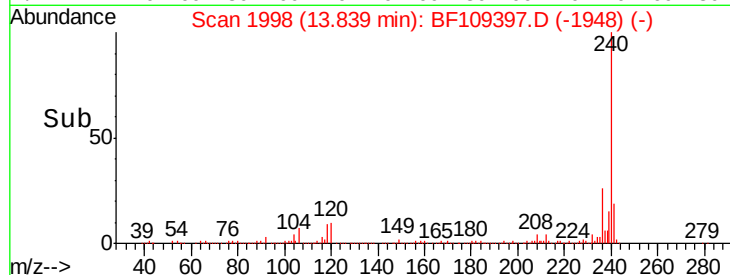
236 25.5 20.7 31.1



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

Pyrene

Concen: 2.652 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109397.D

Acq: 27 Sep 2018 19:43

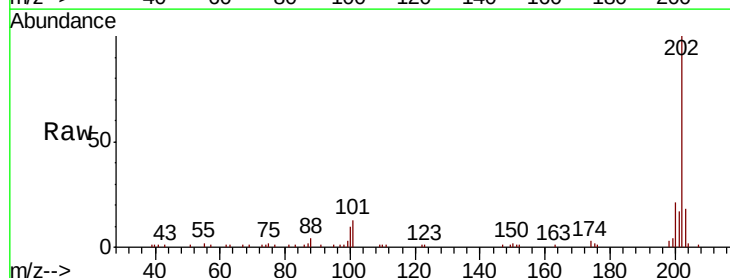
Tgt Ion:202 Resp: 52469

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

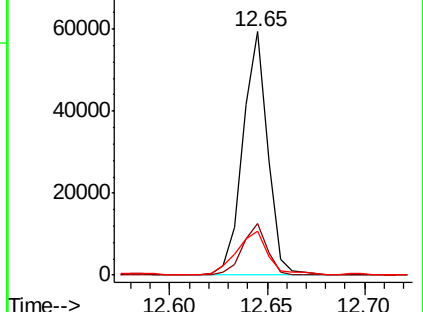
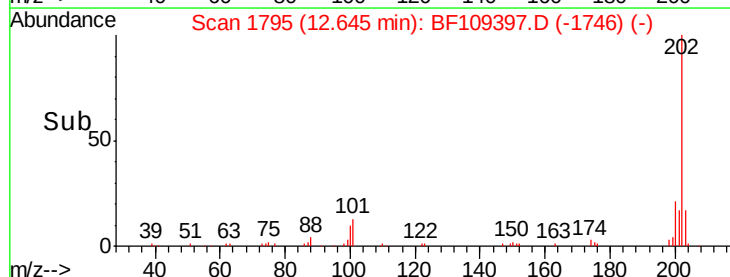
203 18.0 14.3 21.5

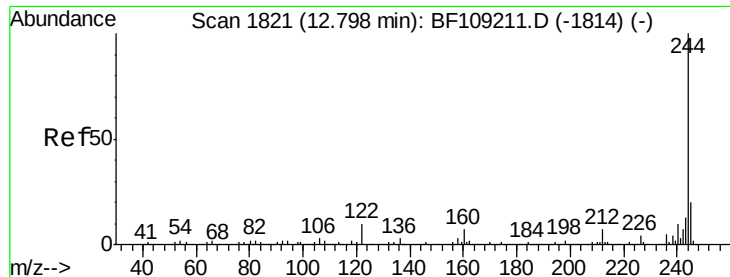


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

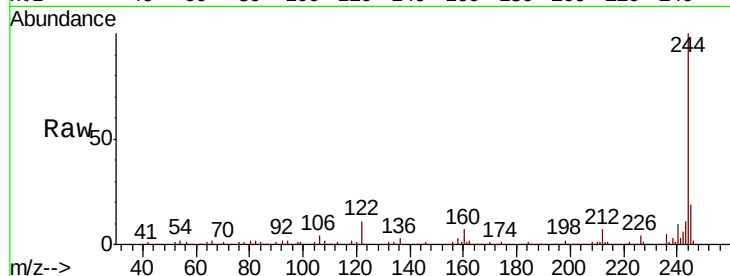




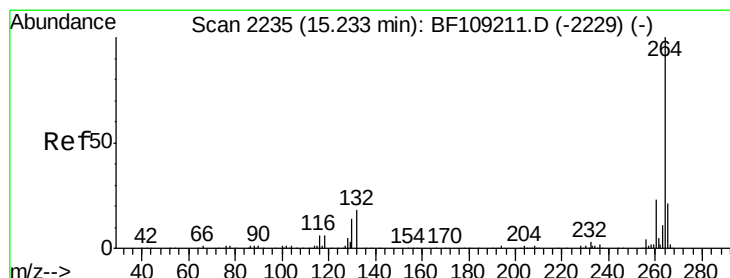
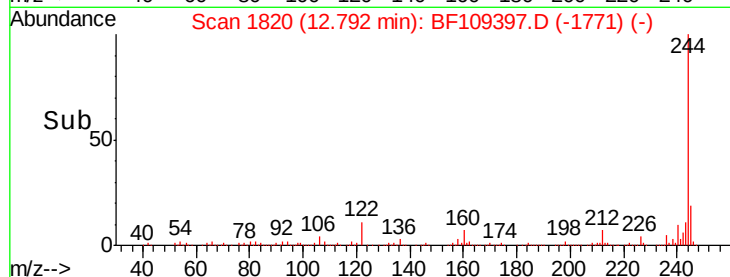
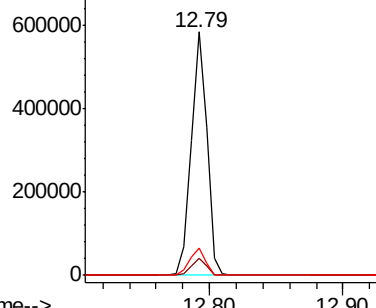
#78
 Terphenyl-d14
 Concen: 43.616 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.0	11.0	16.4

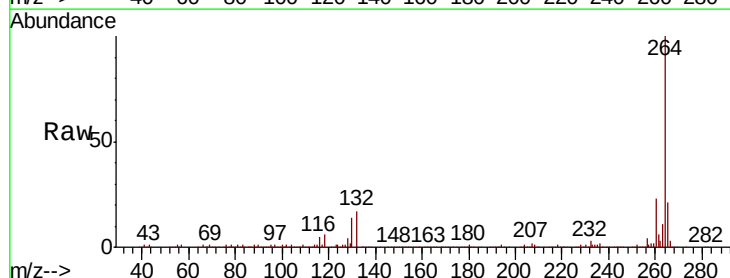


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

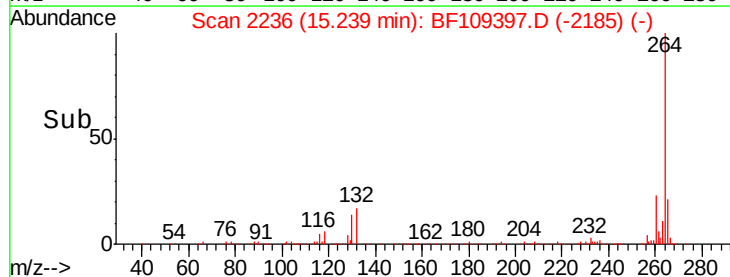
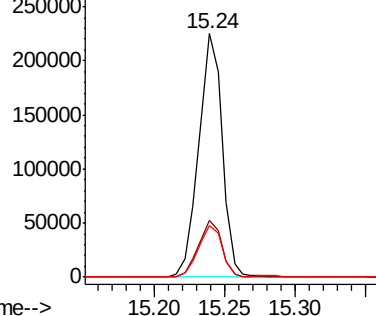


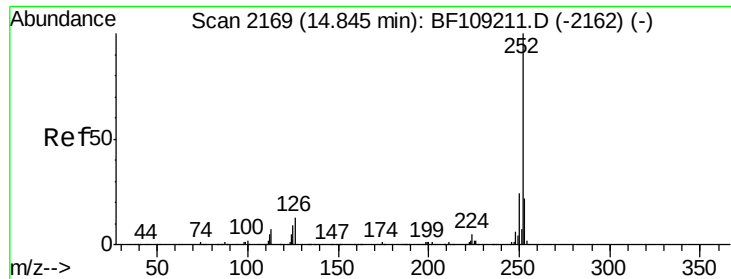
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109397.D
 Acq: 27 Sep 2018 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.0	17.5	26.3



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

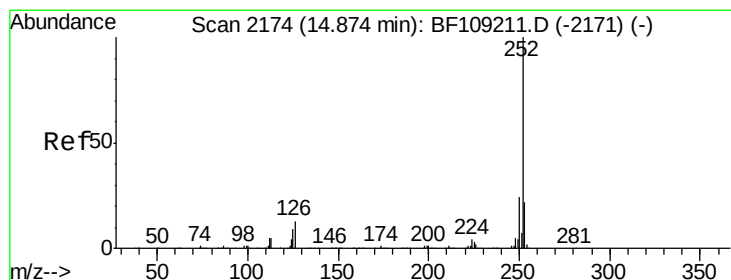
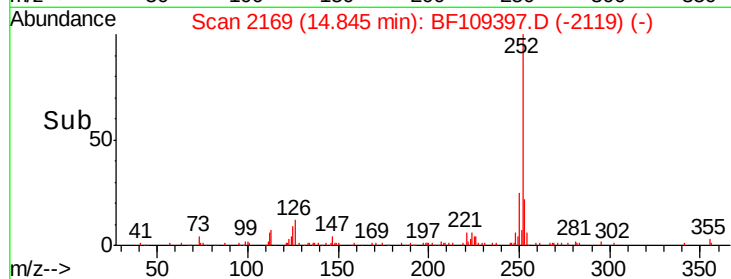
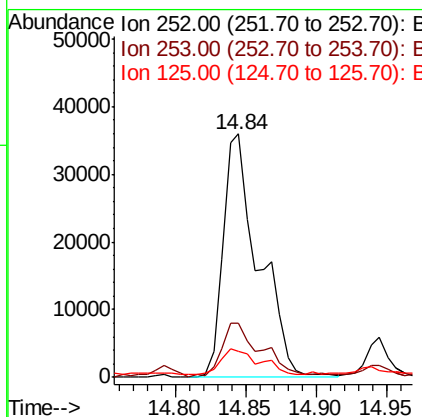
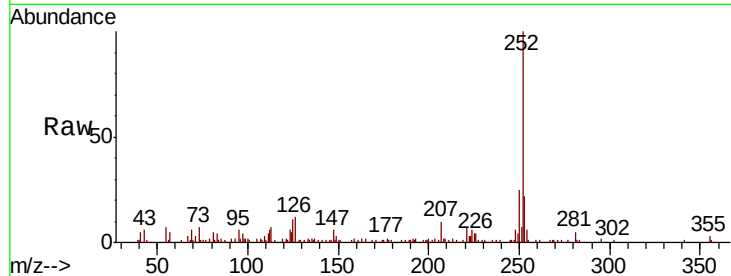




#87
Benzo(b)fluoranthene
Concen: 4.419 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109397.D
Acq: 27 Sep 2018 19:43

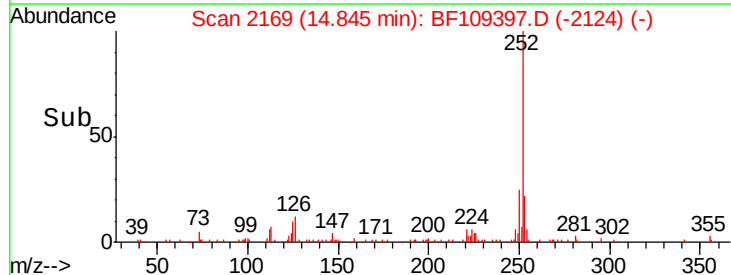
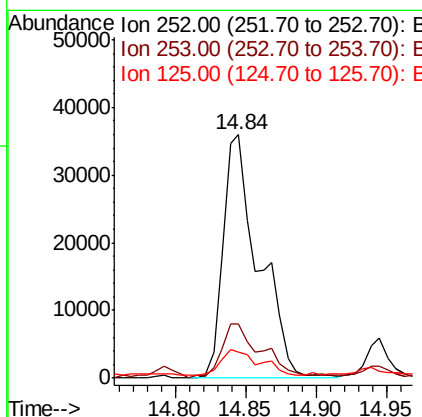
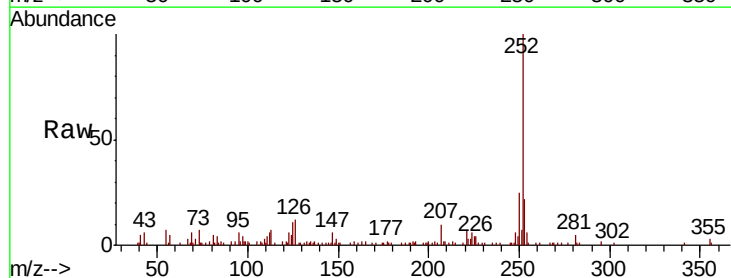
Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-2

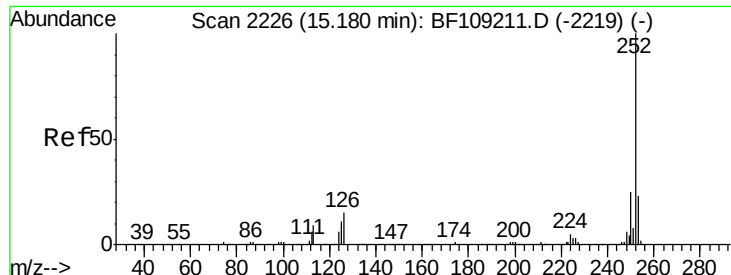
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	10.9	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 4.657 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109397.D
Acq: 27 Sep 2018 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.9	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.226 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109397.D

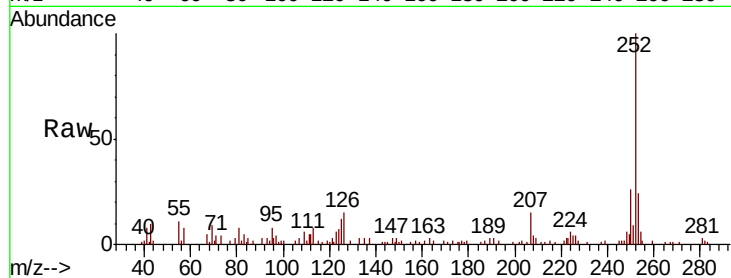
Acq: 27 Sep 2018 19:43

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-2



Tgt Ion:252 Resp: 28777

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 12.2 9.8 14.6

