

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113430.D
 Acq On : 29 Mar 2019 23:15
 Operator : JU/SJ
 Sample : K1698-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-032819

Quant Time: Mar 30 00:59:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	117601	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	469728	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	231673	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	451062	20.00	ng	0.00
76) Chrysene-d12	13.84	240	442492	20.00	ng	0.00
87) Perylene-d12	15.24	264	350517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	133616	18.58	ng	0.00
7) Phenol-d6	6.35	99	192370	21.14	ng	-0.01
23) Nitrobenzene-d5	7.26	82	112090	14.16	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	55233	19.30	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	246415	-1.22	ng	0.00
79) Terphenyl-d14	12.79	244	283973	14.15	ng	0.00

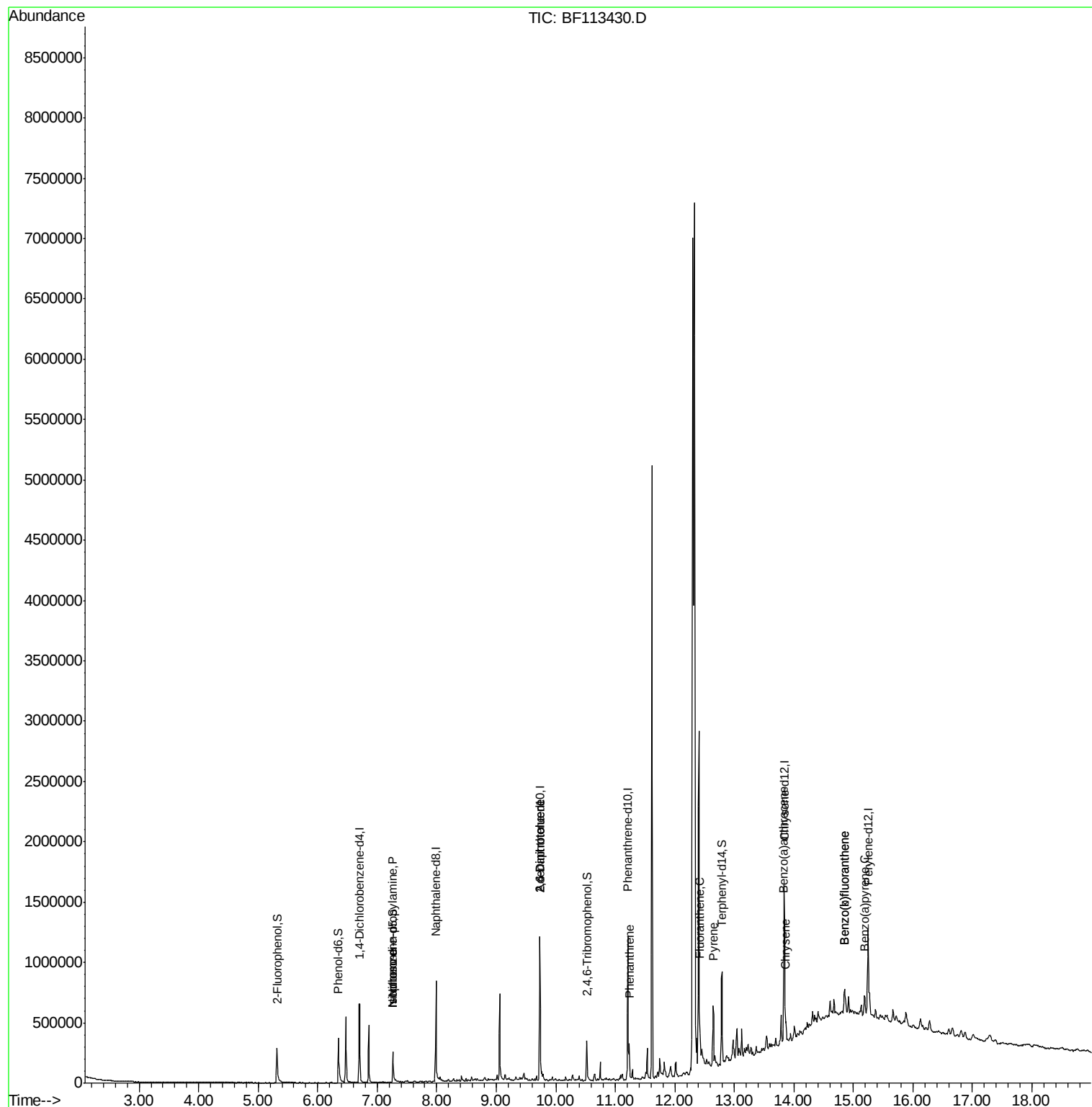
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	14628	2.560	ng	# 78
25) Isophorone	7.26	82	112089	7.308	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	30579	7.895	ng	# 26
57) 2,4-Dinitrotoluene	9.73	165	30579	6.208	ng	# 23
71) Phenanthrene	11.23	178	101891	4.549	ng	98
75) Fluoranthene	12.42	202	219023	8.649	ng	99
78) Pyrene	12.64	202	219101	7.145	ng	98
81) Benzo(a)anthracene	13.83	228	99466	3.927	ng	99
83) Chrysene	13.86	228	92455	3.594	ng	98
88) Benzo(b)fluoranthene	14.85	252	132955	6.106	ng	# 92
89) Benzo(k)fluoranthene	14.85	252	132955	6.953	ng	# 91
90) Benzo(a)pyrene	15.19	252	68573	3.552	ng	# 90

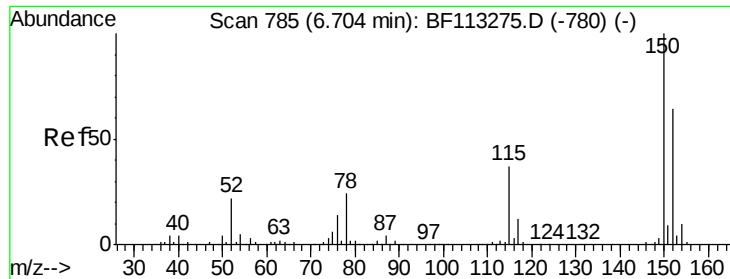
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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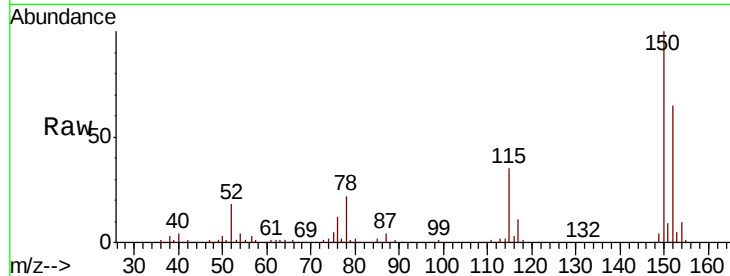


#1

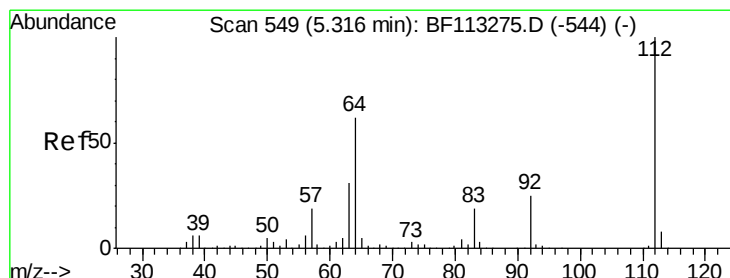
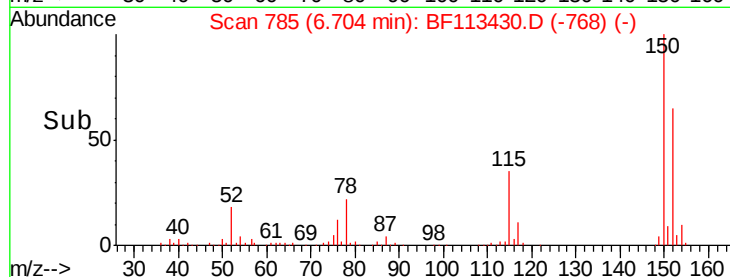
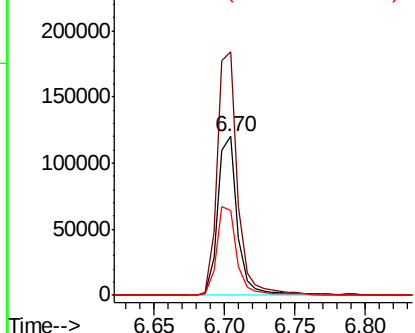
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-032819

Tgt Ion:152 Resp: 117601
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.7 187.1
 115 53.5 46.0 69.0



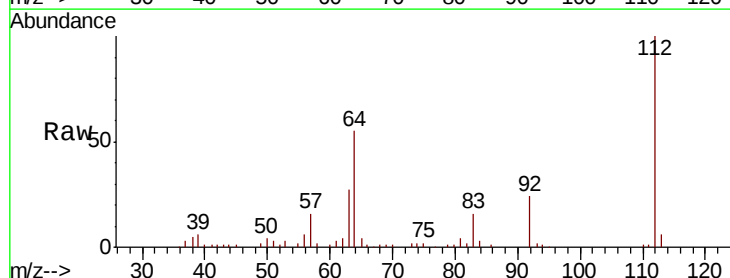
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



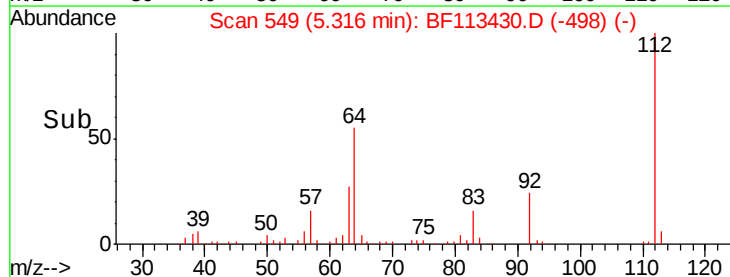
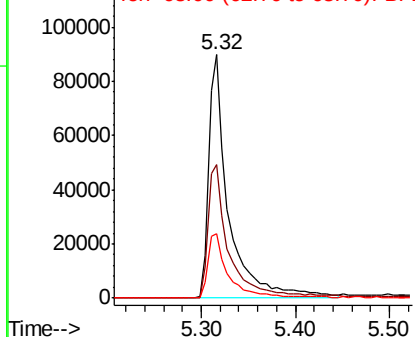
#5

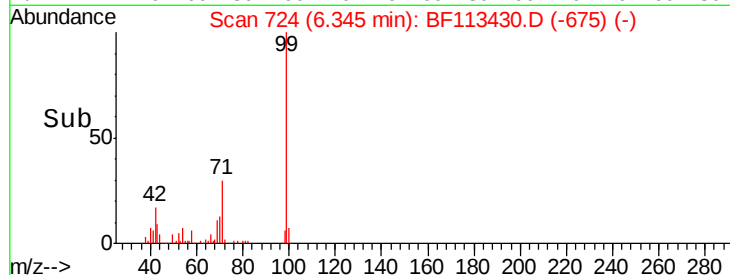
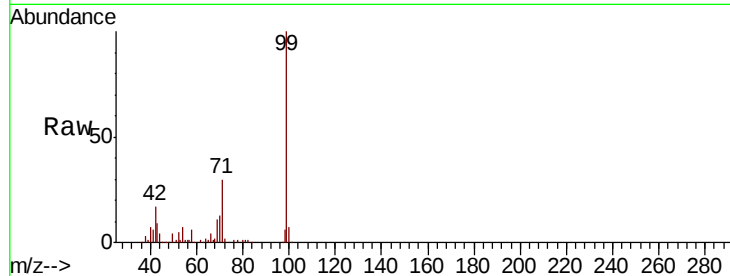
2-Fluorophenol
 Concen: 18.578 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Tgt Ion:112 Resp: 133616
 Ion Ratio Lower Upper
 112 100
 64 54.6 49.2 73.8
 63 26.5 24.9 37.3



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: 21.143 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

Instrument :

BNA_F

ClientSampleId :

TR-05-032819

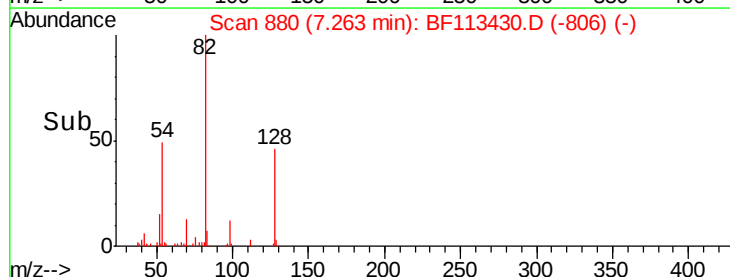
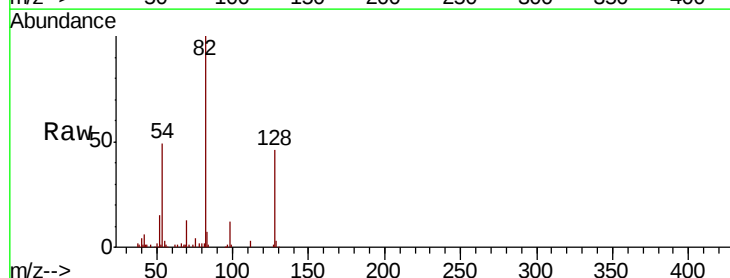
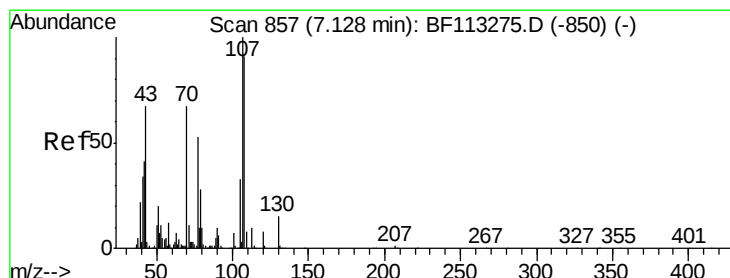
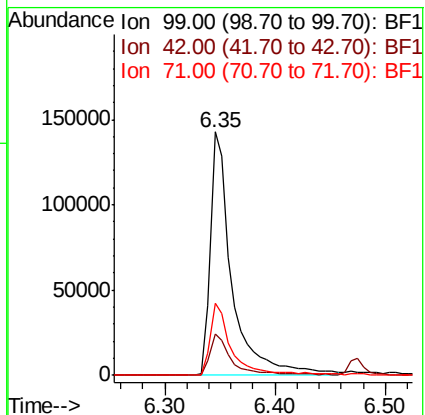
Tgt Ion: 99 Resp: 192370

Ion Ratio Lower Upper

99 100

42 17.1 14.8 22.2

71 29.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.560 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

Tgt Ion: 70 Resp: 14628

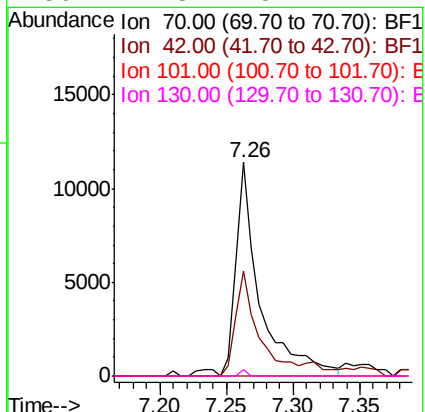
Ion Ratio Lower Upper

70 100

42 49.4 48.4 72.6

101 0.0 7.8 11.8#

130 2.8 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

Instrument :

BNA_F

ClientSampleId :

TR-05-032819

Tgt Ion:136 Resp: 469728

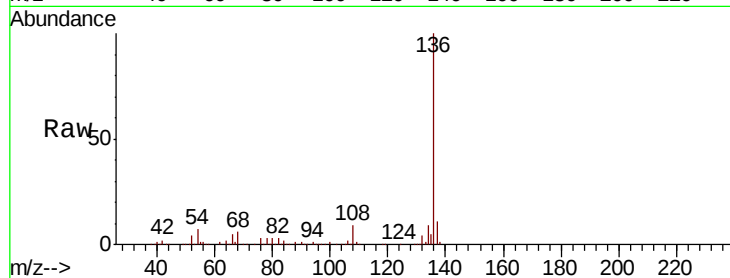
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 7.0 10.6

68 5.8 4.8 7.2

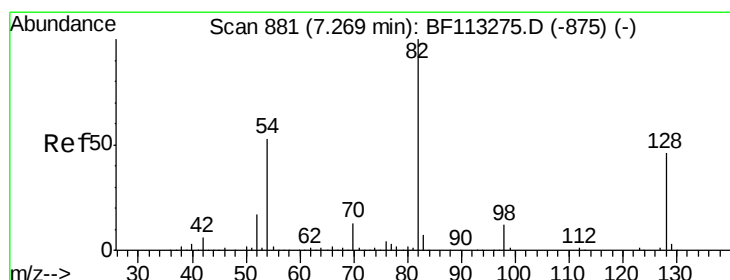
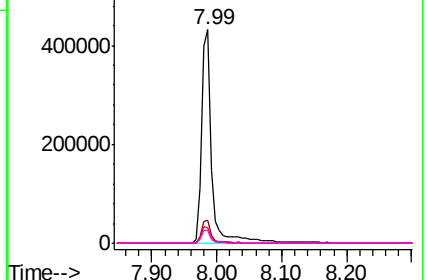
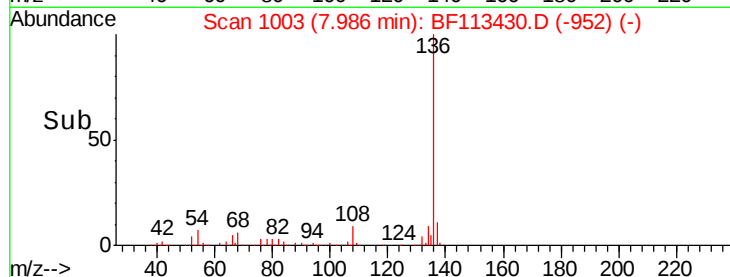


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.164 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

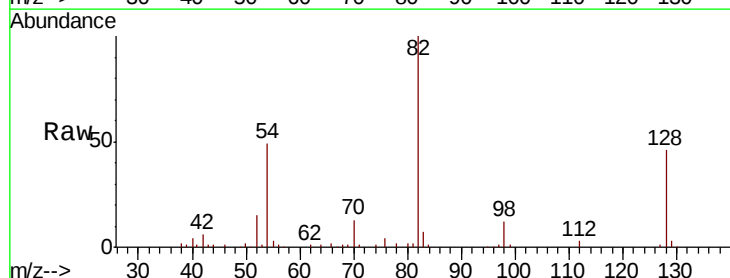
Tgt Ion: 82 Resp: 112090

Ion Ratio Lower Upper

82 100

128 45.6 36.5 54.7

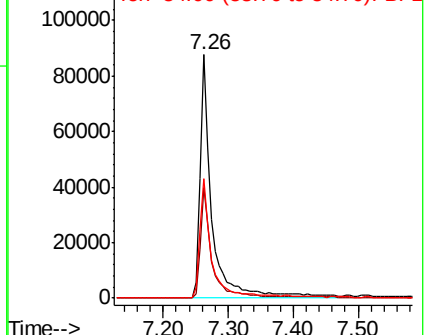
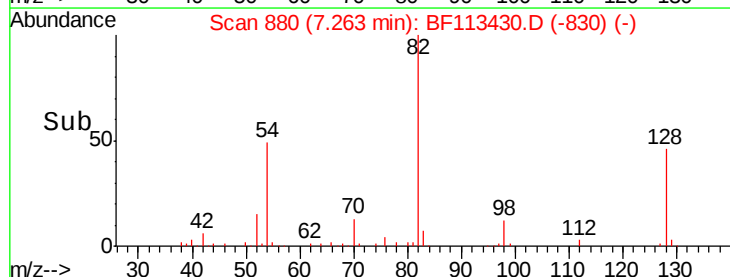
54 49.3 42.2 63.2

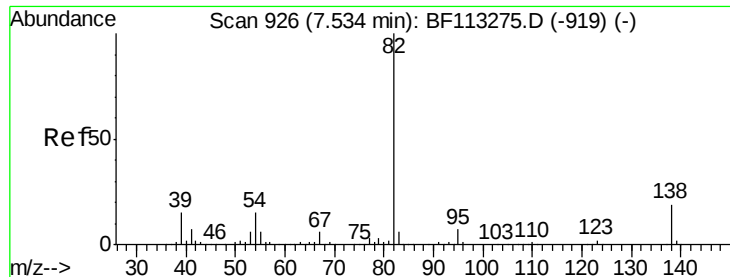


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.308 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

Instrument :

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ClientSampleId :

TR-05-032819

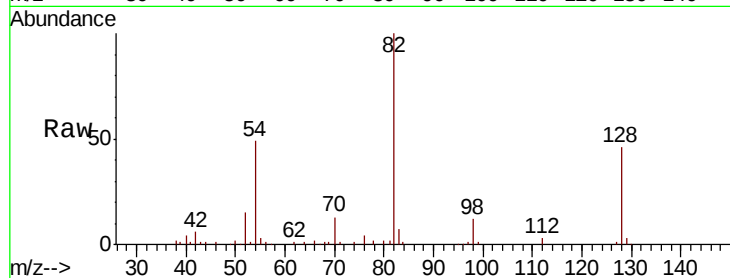
Tgt Ion: 82 Resp: 112089

Ion Ratio Lower Upper

82 100

95 0.4 5.5 8.3#

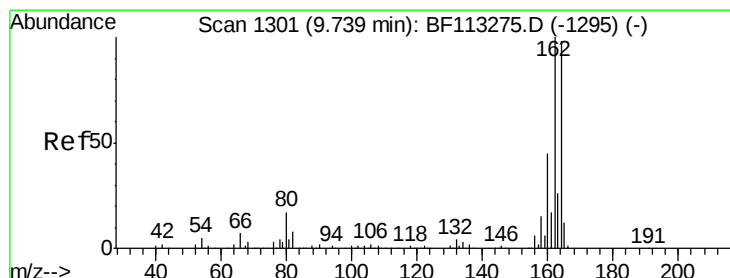
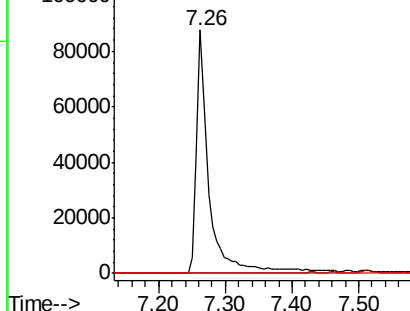
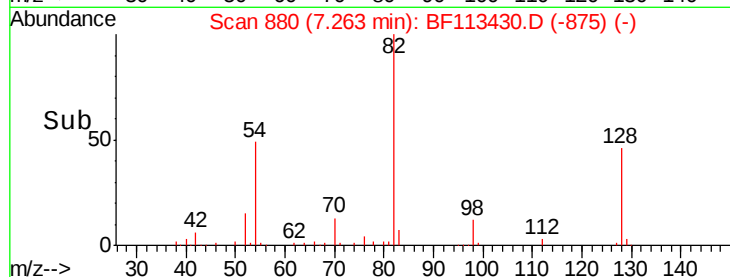
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

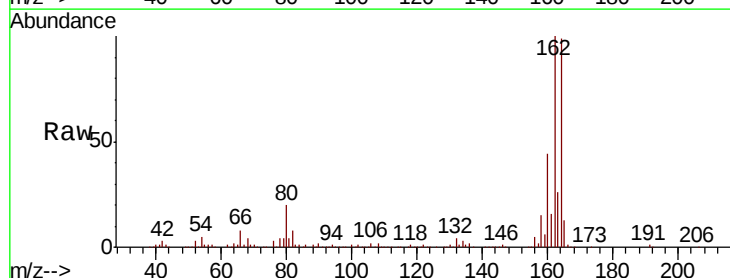
Tgt Ion: 164 Resp: 231673

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

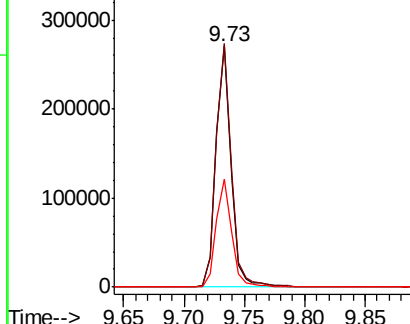
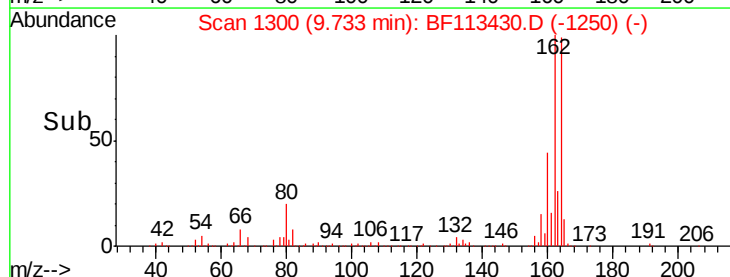
160 44.9 36.4 54.6

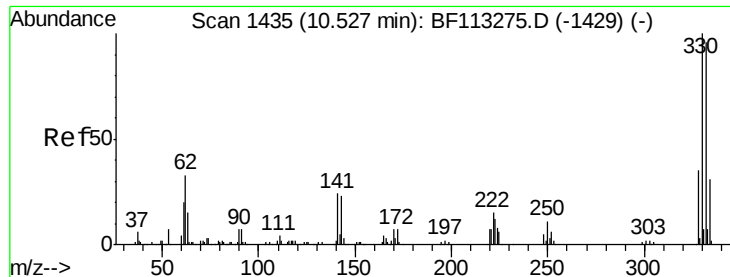


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

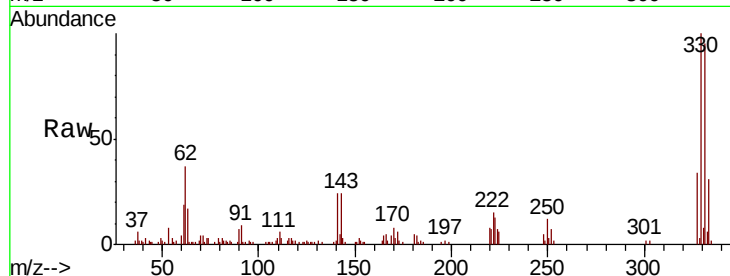




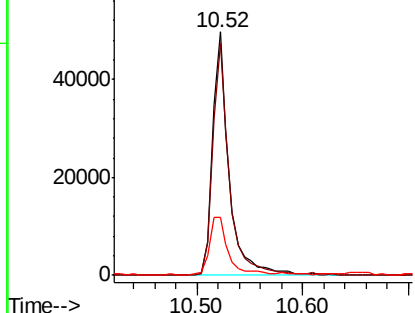
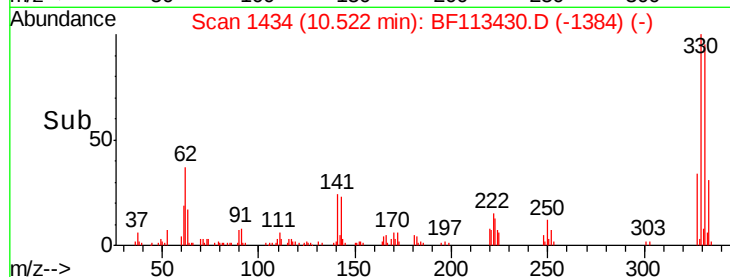
#42
 2,4,6-Tribromophenol
 Concen: 19.301 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-032819

Tgt Ion:330 Resp: 55233
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.8 116.6
 141 27.3 22.7 34.1

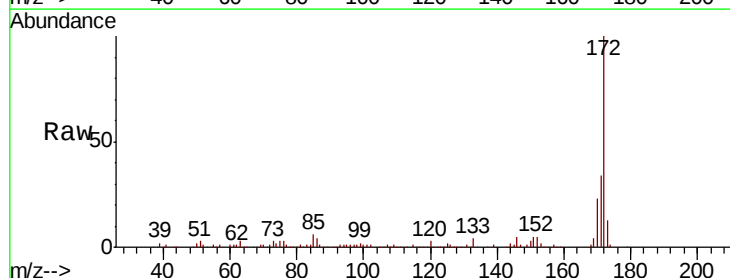


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

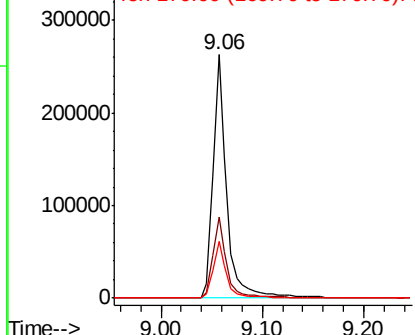
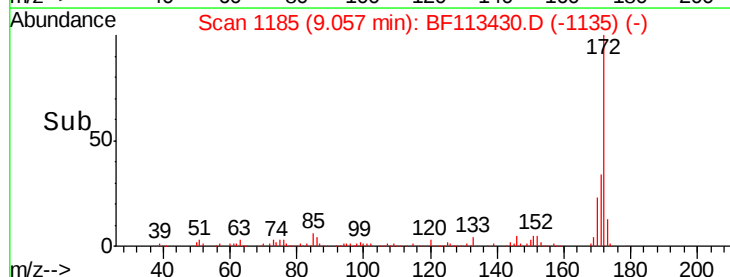


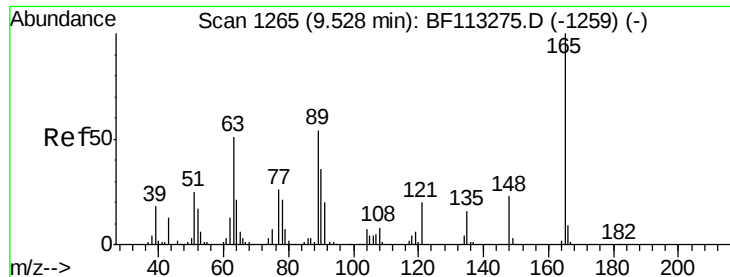
#45
 2-Fluorobiphenyl
 Concen: -1.219 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Tgt Ion:172 Resp: 246415
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.0 43.6
 170 23.3 19.5 29.3



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

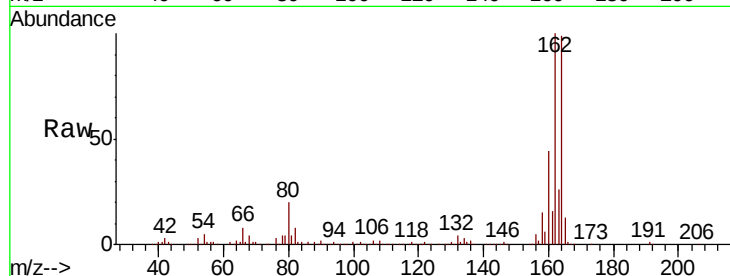




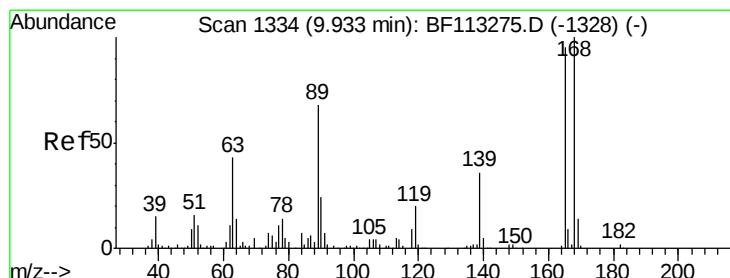
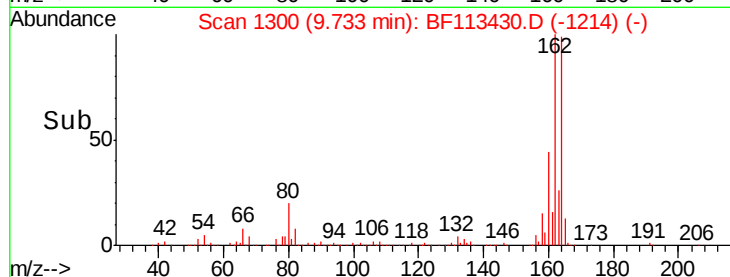
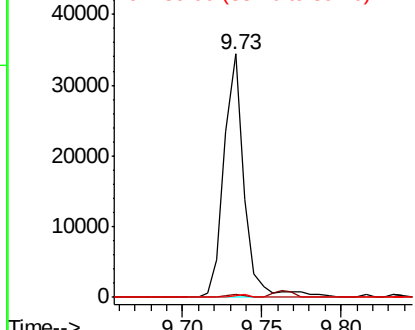
#51
 2,6-Dinitrotoluene
 Concen: 7.895 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.21 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Instrument :
 BNA_F
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 TR-05-032819

Tgt Ion:165 Resp: 30579
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.4 65.0#
 89 0.9 43.1 64.7#

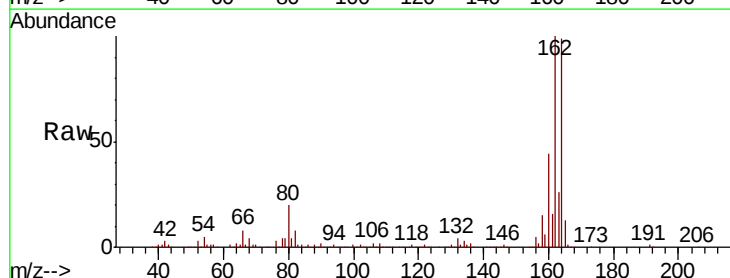


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

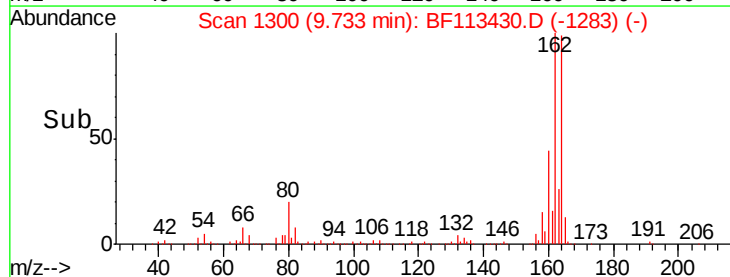
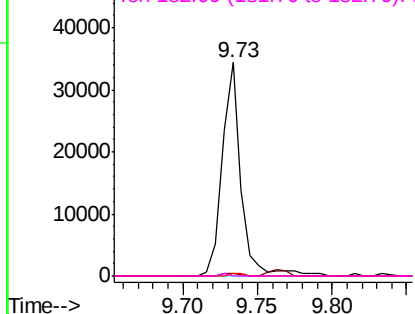


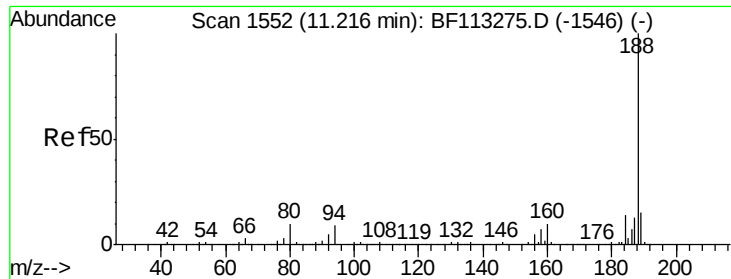
#57
 2,4-Dinitrotoluene
 Concen: 6.208 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Tgt Ion:165 Resp: 30579
 Ion Ratio Lower Upper
 165 100
 63 1.4 37.5 56.3#
 89 0.9 57.4 86.2#
 182 0.0 2.0 3.0#



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

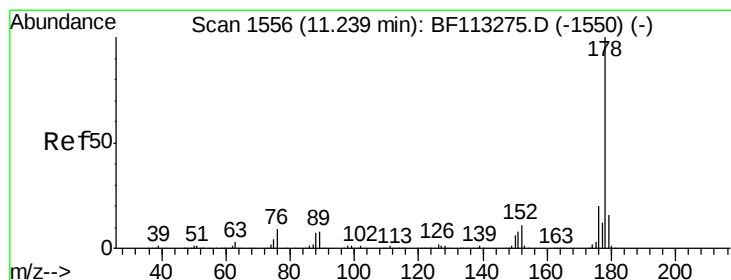
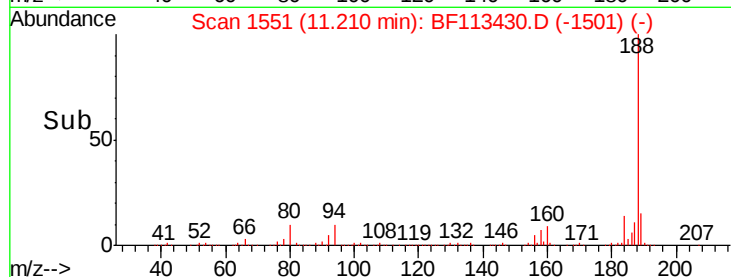
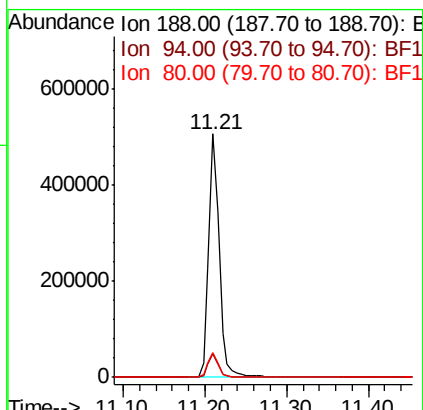
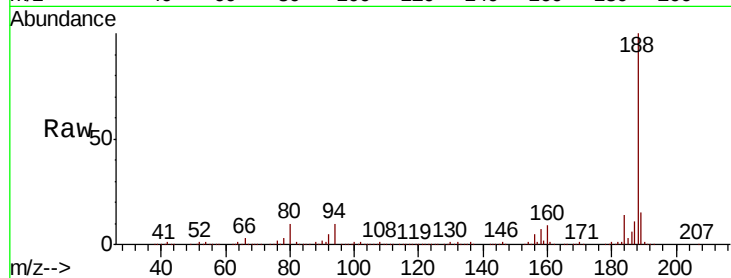




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

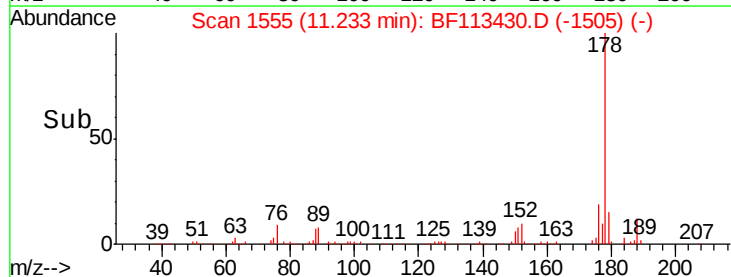
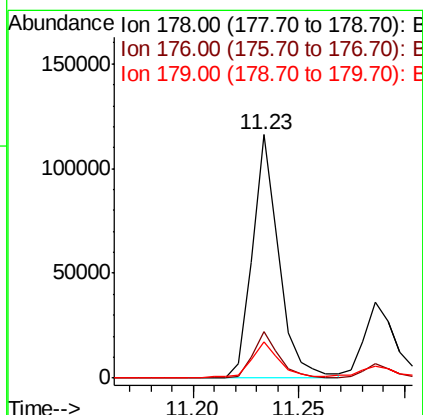
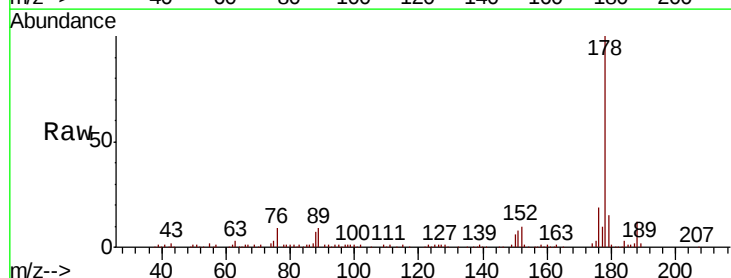
Instrument :
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 TR-05-032819

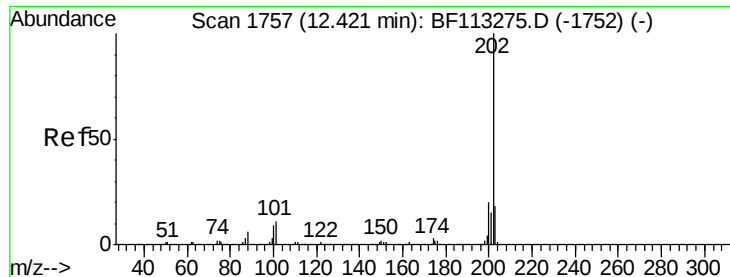
Tgt Ion:188 Resp: 451062
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.0 10.6
 80 10.1 7.7 11.5



#71
 Phenanthrene
 Concen: 4.549 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113430.D
 Acq: 29 Mar 2019 23:15

Tgt Ion:178 Resp: 101891
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.2
 179 15.1 12.7 19.1





#75

Fluoranthene

Concen: 8.649 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

Instrument :

BNA_F

ClientSampleId :

TR-05-032819

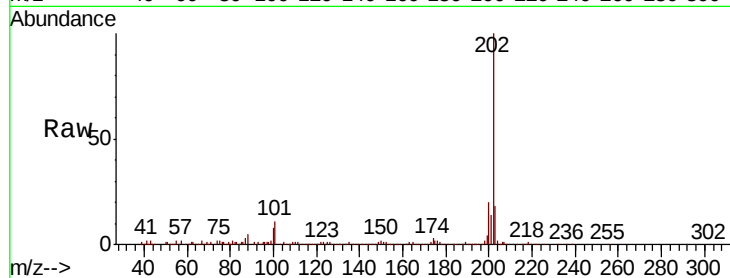
Tgt Ion:202 Resp: 219023

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

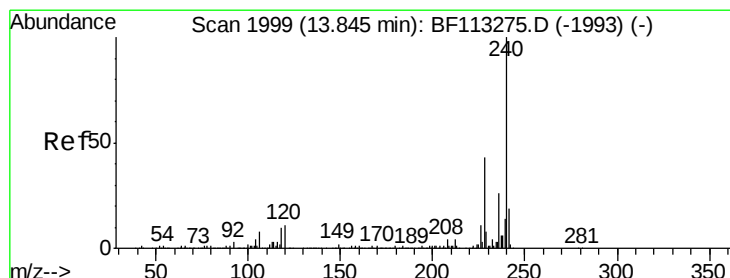
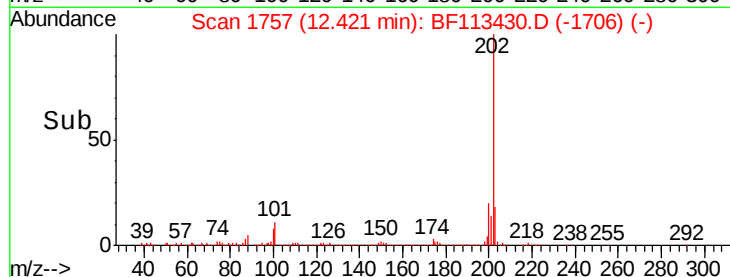
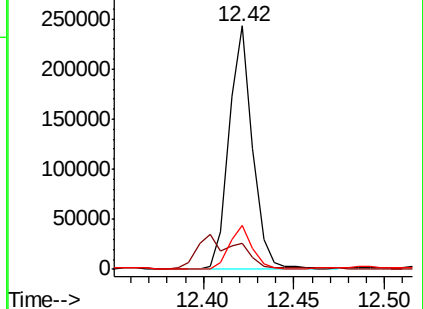
203 17.9 0.0 38.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

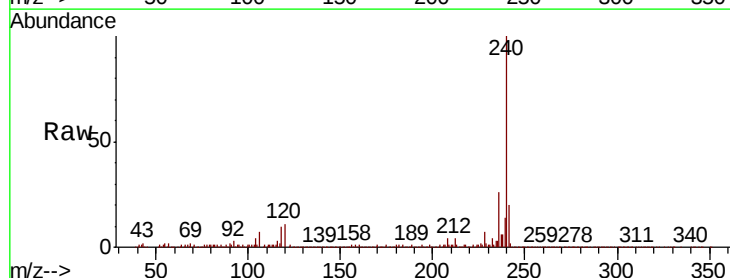
Tgt Ion:240 Resp: 442492

Ion Ratio Lower Upper

240 100

120 11.1 8.8 13.2

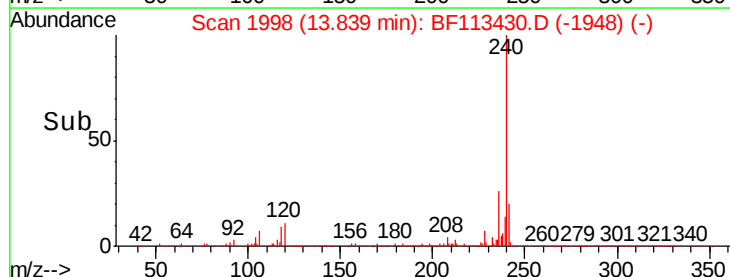
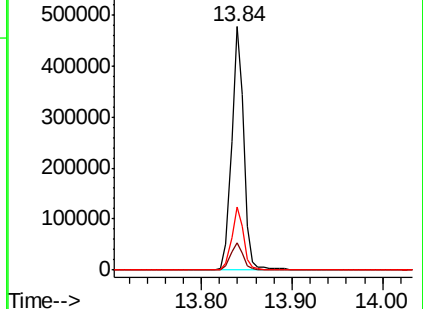
236 25.8 20.9 31.3

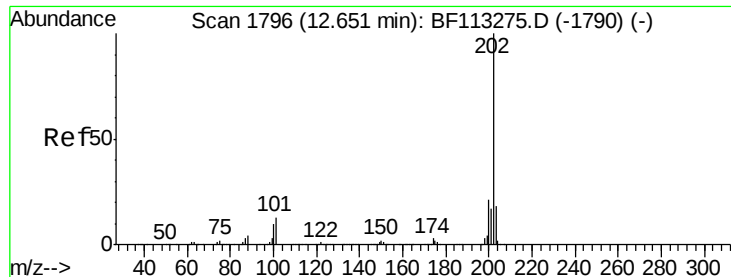


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 7.145 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

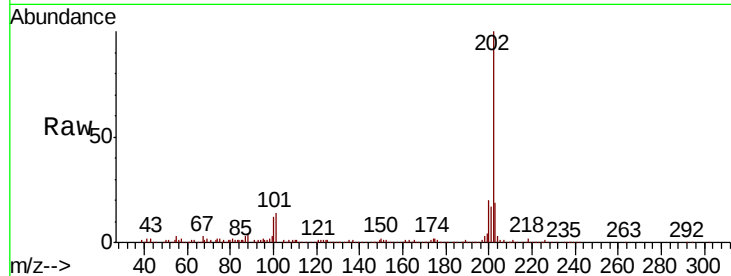
Instrument :

BNA_F

ClientSampleId :

TR-05-032819

Tgt Ion:	202	Resp:	219101
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	19.3	14.4	21.6

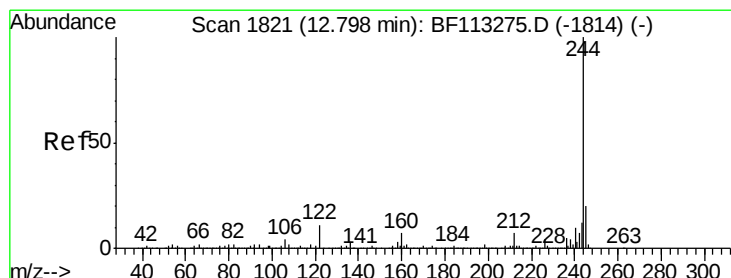
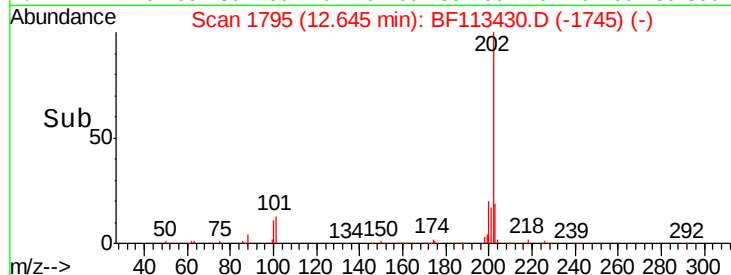
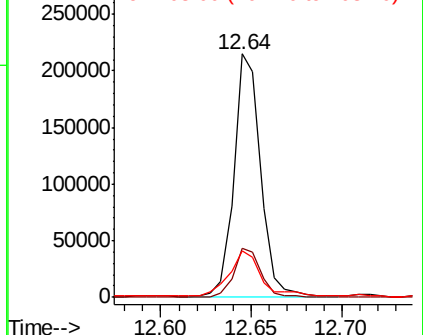


Abundance

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



#79

Terphenyl-d14

Concen: 14.145 ng

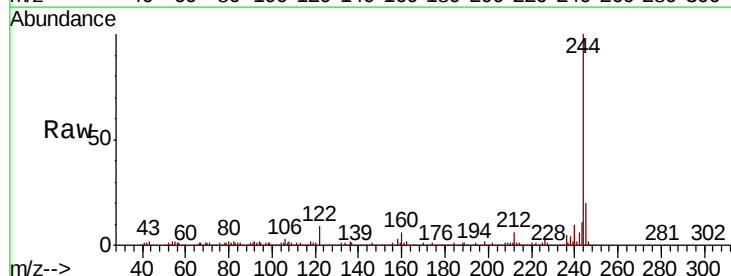
RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113430.D

Acq: 29 Mar 2019 23:15

Tgt Ion:	244	Resp:	283973
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	9.4	8.6	13.0

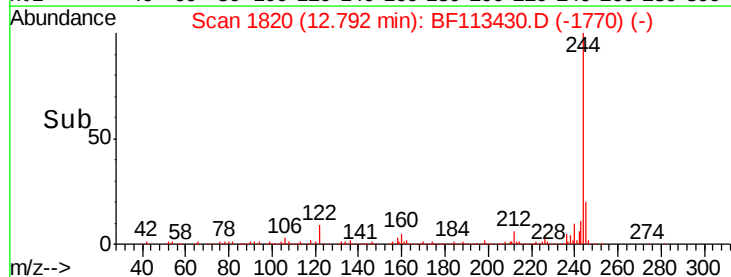
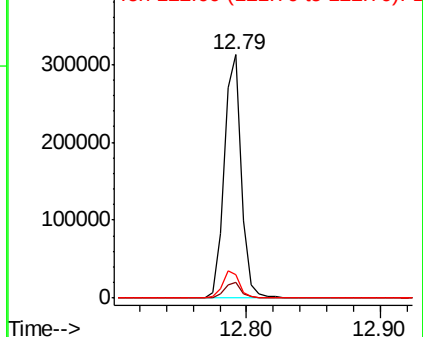


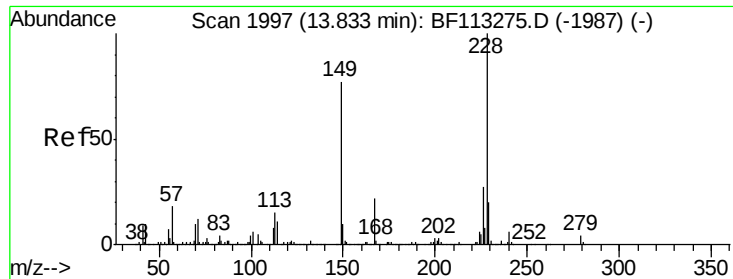
Abundance

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

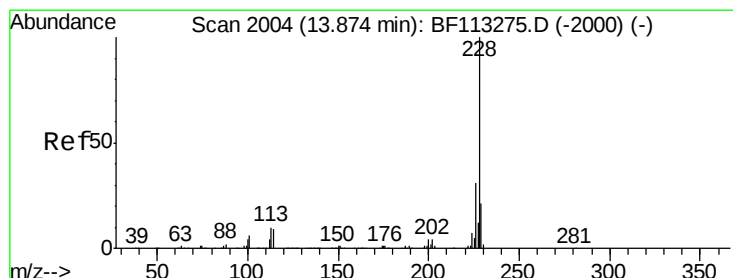
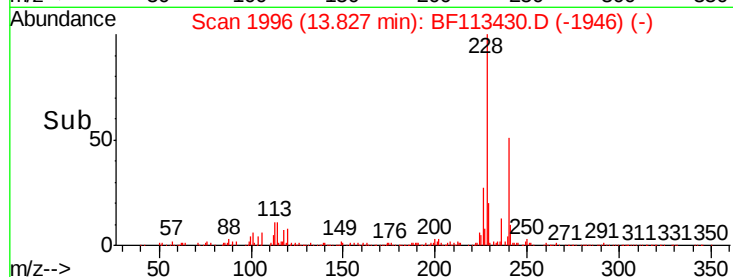
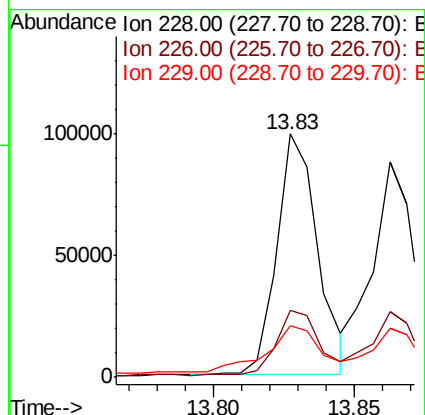
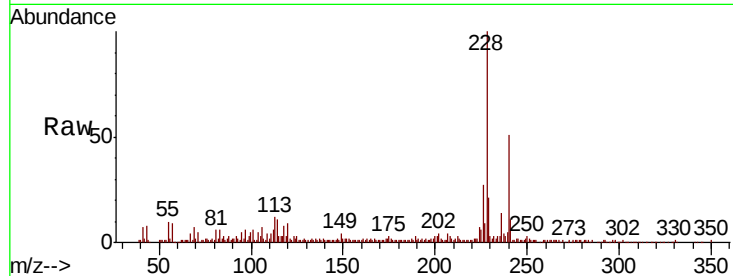




#81
Benzo(a)anthracene
Concen: 3.927 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113430.D
Acq: 29 Mar 2019 23:15

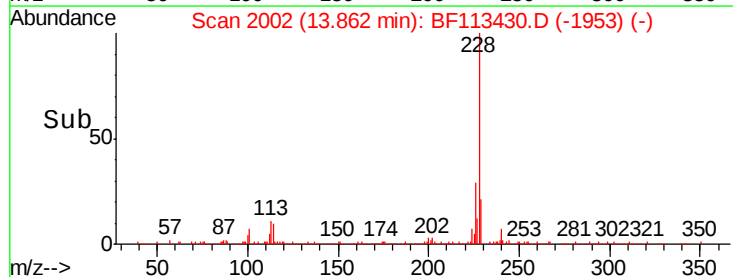
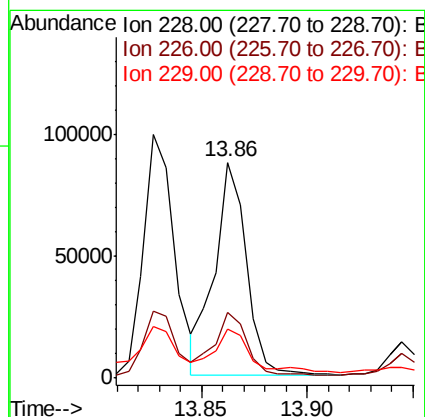
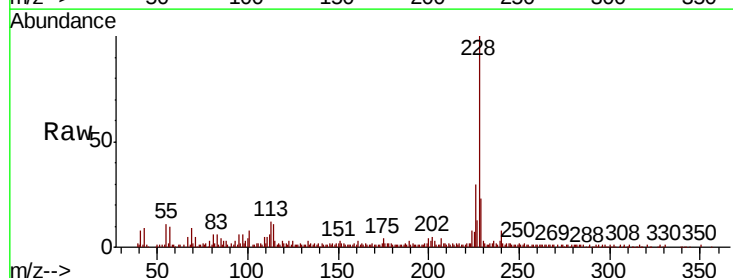
Instrument :
BNA_F
ClientSampleId :
TR-05-032819

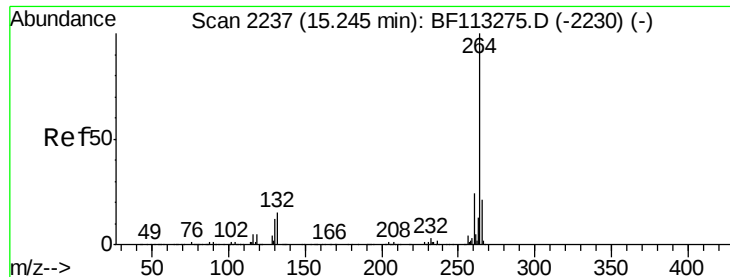
Tgt Ion:228 Resp: 99466
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 21.1 16.2 24.4



#83
Chrysene
Concen: 3.594 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113430.D
Acq: 29 Mar 2019 23:15

Tgt Ion:228 Resp: 92455
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 23.0 16.3 24.5

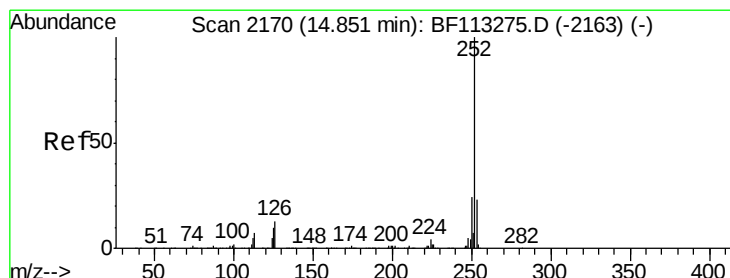
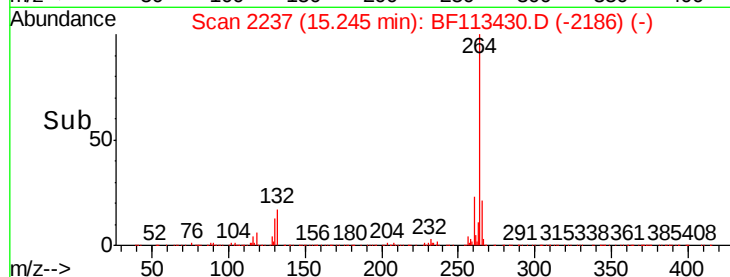
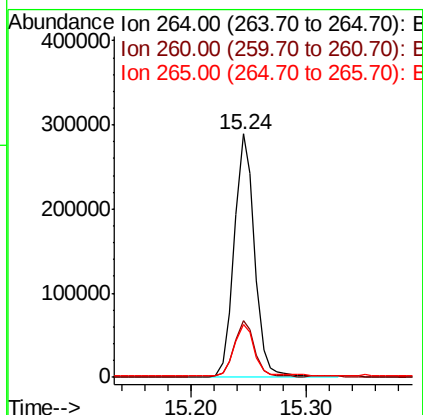
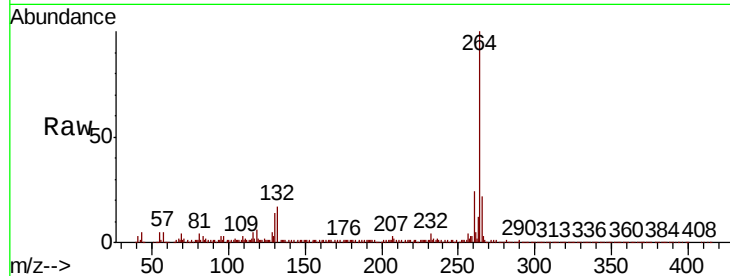




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113430.D
Acq: 29 Mar 2019 23:15

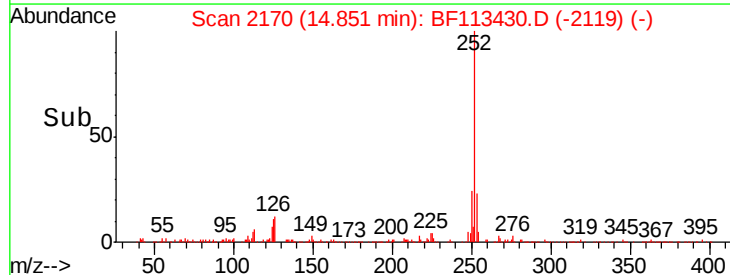
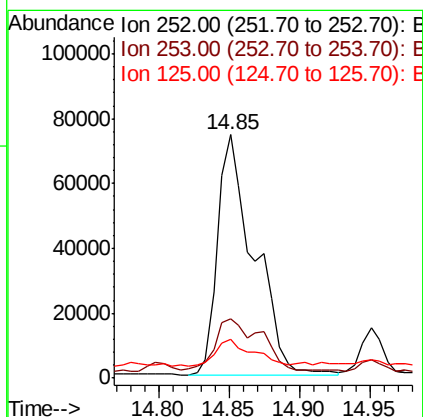
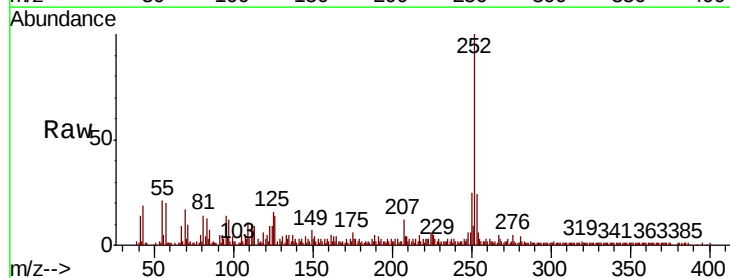
Instrument :
BNA_F
ClientSampleId :
TR-05-032819

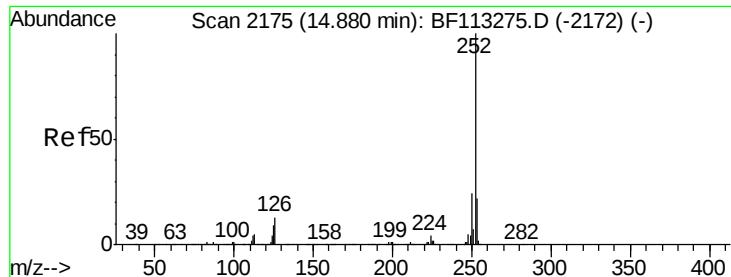
Tgt Ion:	264	Resp:	350517
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.7	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 6.106 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113430.D
Acq: 29 Mar 2019 23:15

Tgt Ion:	252	Resp:	132955
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	15.9	7.6	11.4#

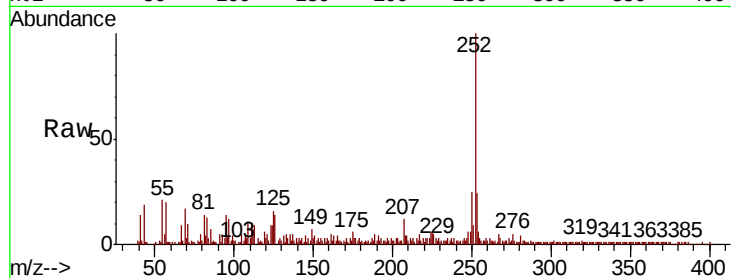




#89
Benzo(k)fluoranthene
Concen: 6.953 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113430.D
Acq: 29 Mar 2019 23:15

Instrument :
BNA_F
ClientSampleId :
TR-05-032819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	15.9	7.3	10.9

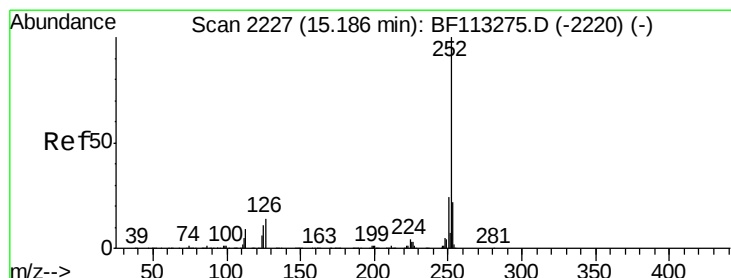
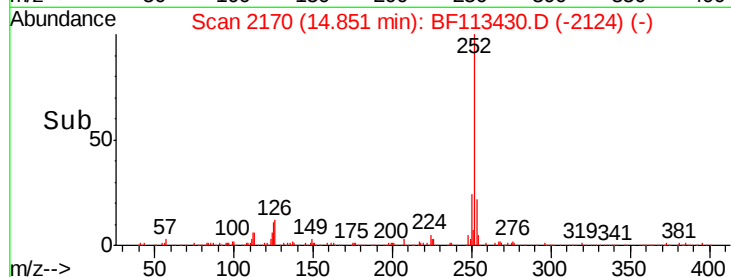
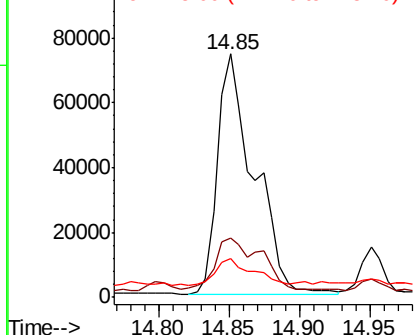


Abundance

Ion 252.00 (251.70 to 252.70): E

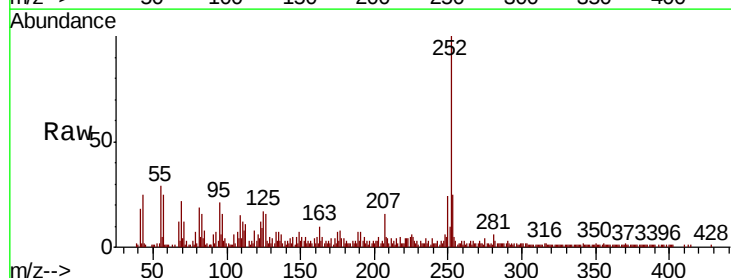
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.552 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113430.D
Acq: 29 Mar 2019 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	17.4	8.8	13.2



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

