

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112464.D
 Acq On : 8 Feb 2019 17:21
 Operator : JU/SJ
 Sample : K1348-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-020719

Quant Time: Feb 09 04:57:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	140820	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	575296	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	272193	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	475147	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	300965	20.00	ng	0.00
87) Perylene-d12	15.48	264	303412	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	64818	9.78	ng	0.00
7) Phenol-d6	6.49	99	82795	8.99	ng	0.00
23) Nitrobenzene-d5	7.40	82	53938	5.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	17859	5.64	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	108869	5.66	ng	-0.02
79) Terphenyl-d14	12.94	244	89935	5.63	ng	-0.01

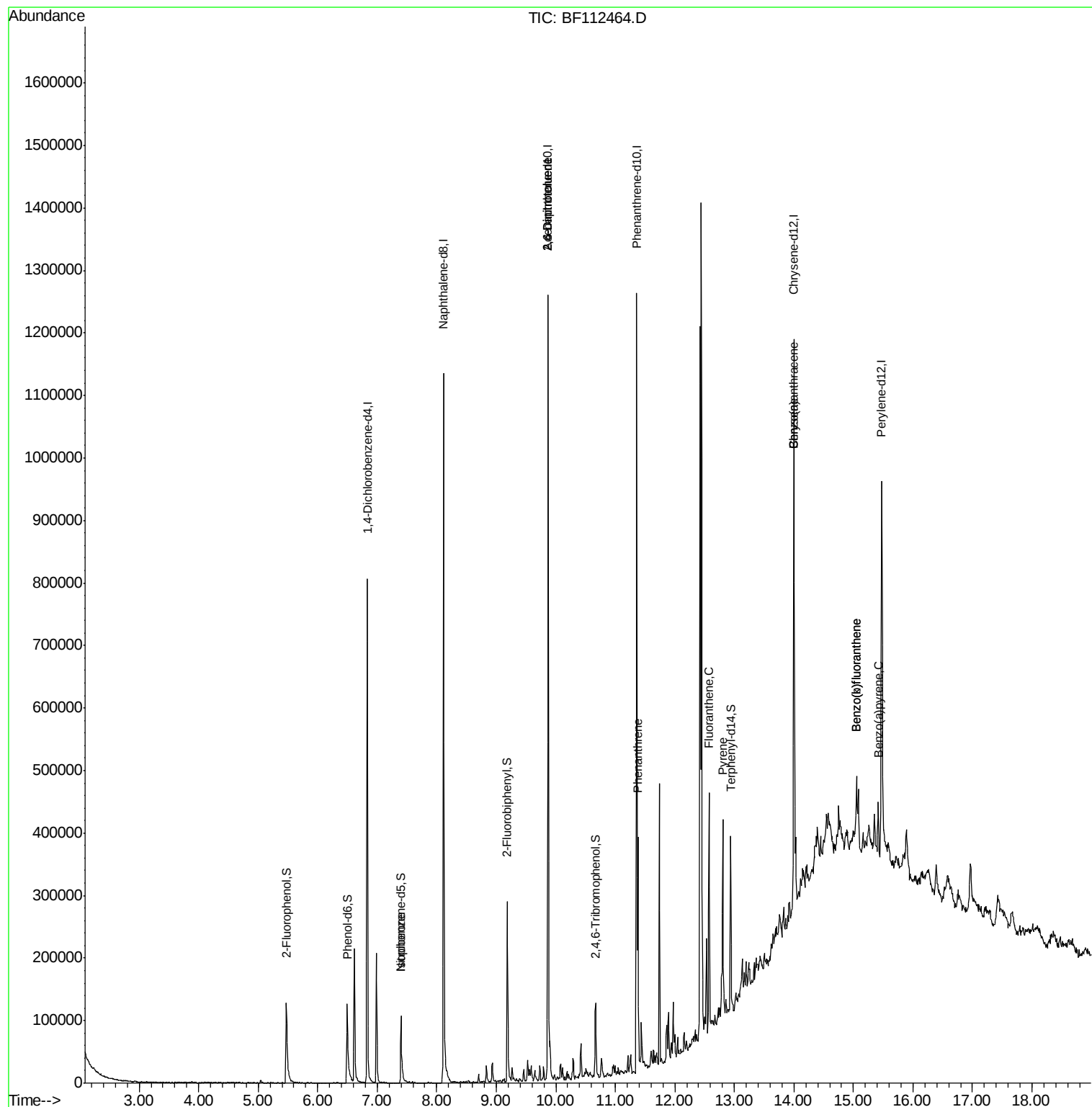
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	53938	3.444	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	34802	7.348	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	34918	5.791	ng	# 32
71) Phenanthrene	11.38	178	137372	5.561	ng	96
75) Fluoranthene	12.57	202	142658	5.384	ng	98
78) Pyrene	12.80	202	123747	5.939	ng	99
81) Benzo(a)anthracene	13.99	228	52390	2.961	ng	97
83) Chrysene	13.99	228	52390	3.102	ng	94
88) Benzo(b)fluoranthene	15.05	252	76364	4.208	ng	# 87
89) Benzo(k)fluoranthene	15.05	252	76364	4.394	ng	# 88
90) Benzo(a)pyrene	15.42	252	43284	2.651	ng	# 86

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

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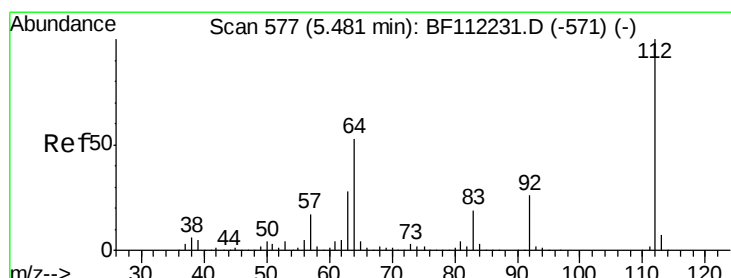
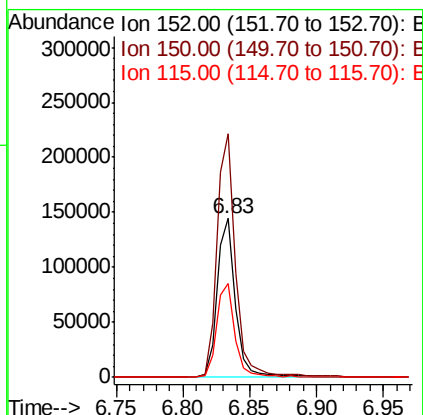
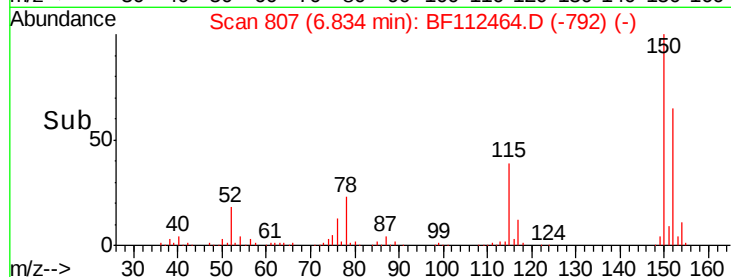
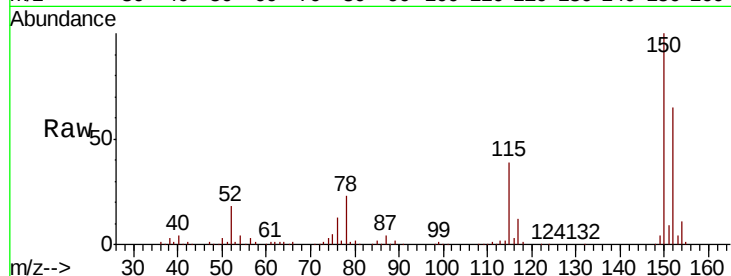


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112464.D
 Acq: 8 Feb 2019 17:21

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-020719

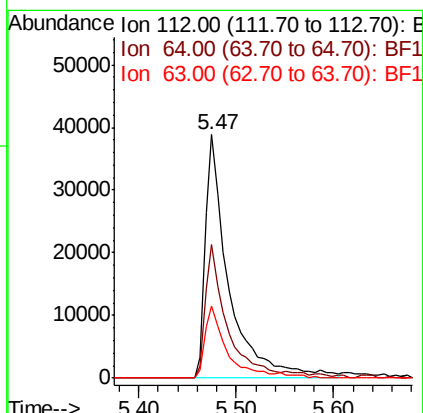
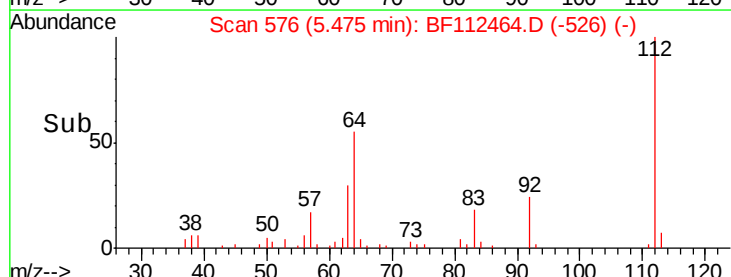
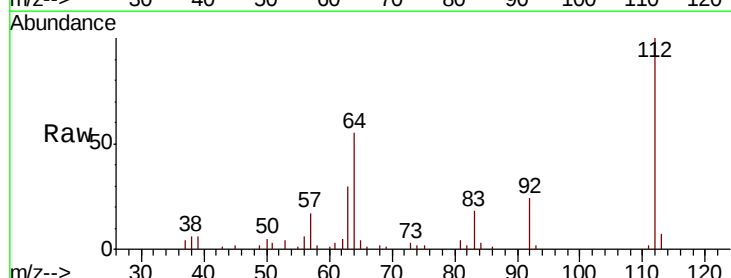
Tot Ion:152 Resp: 140820
 Ion Ratio Lower Upper
 152 100
 150 153.4 127.4 191.0
 115 59.3 45.5 68.3



#5

2-Fluorophenol
 Concen: 9.777 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112464.D
 Acq: 8 Feb 2019 17:21

Tgt Ion:112 Resp: 64818
 Ion Ratio Lower Upper
 112 100
 64 54.8 45.7 68.5
 63 29.7 23.6 35.4





#7

Phenol-d6

Concen: 8.987 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

ClientSampleId :

OK-01-020719

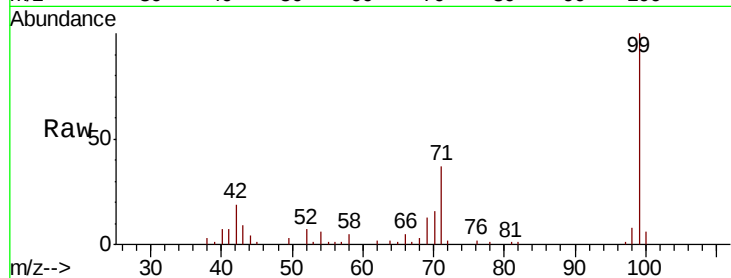
Tot Ion: 99 Resp: 82795

Ion Ratio Lower Upper

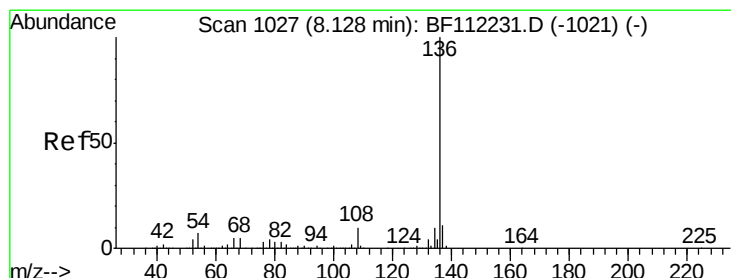
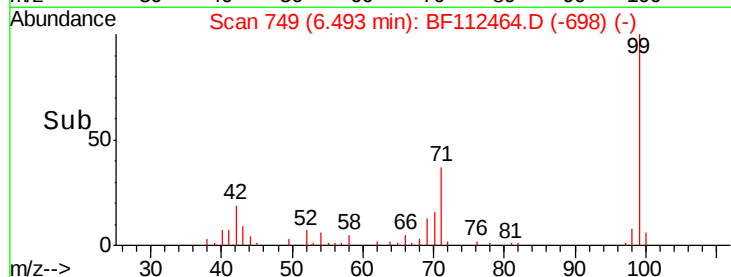
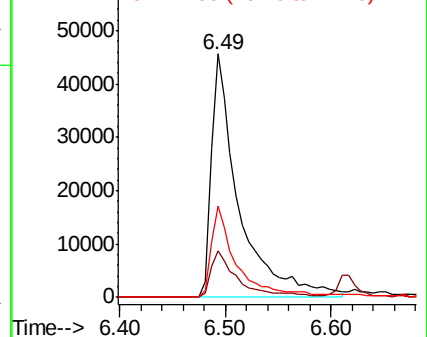
99 100

42 19.1 15.1 22.7

71 37.4 26.9 40.3



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Tgt Ion: 136 Resp: 575296

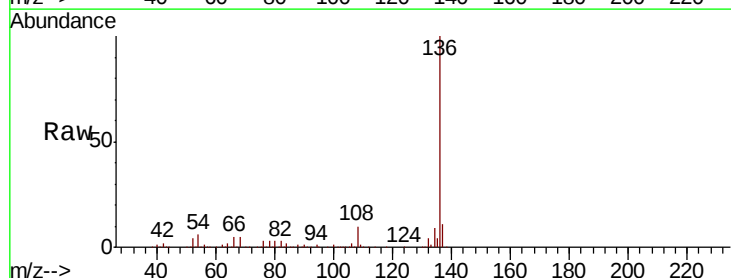
Ion Ratio Lower Upper

136 100

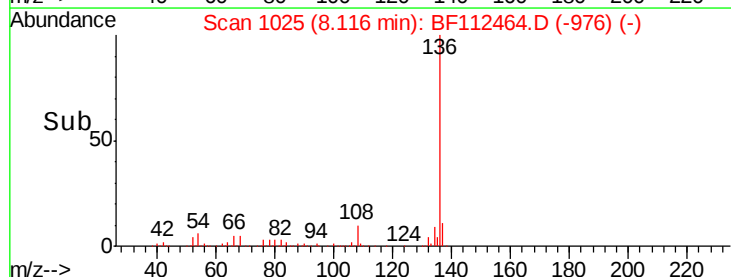
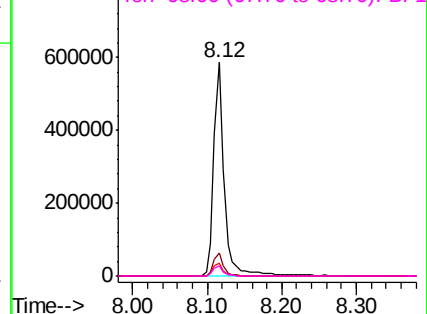
137 10.6 9.1 13.7

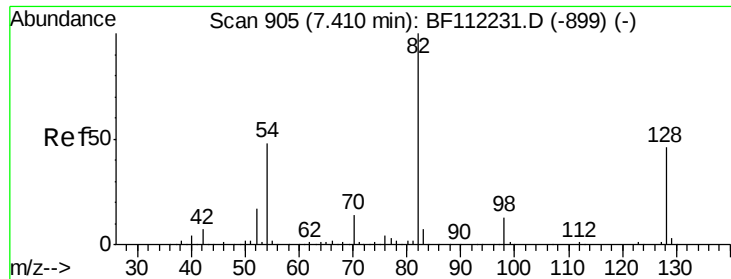
54 6.0 5.9 8.9

68 4.6 5.1 7.7#



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

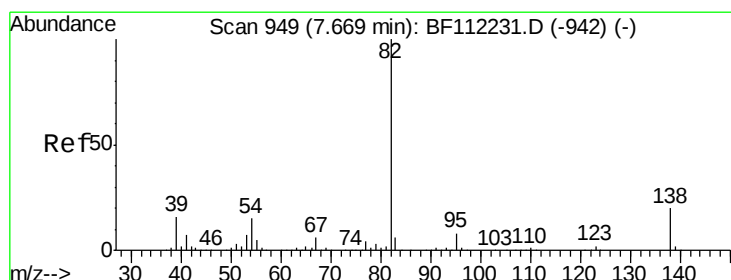
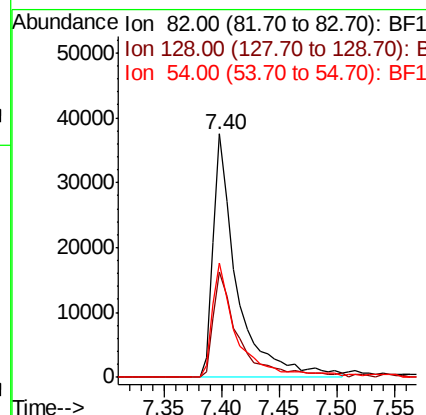
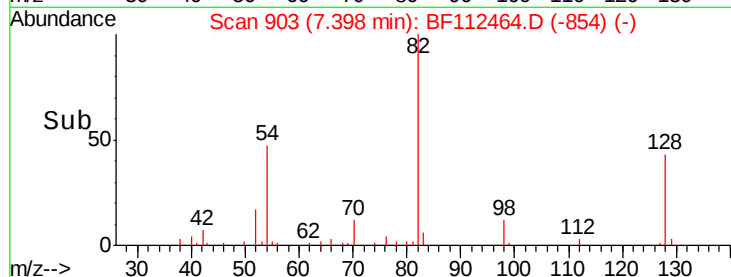
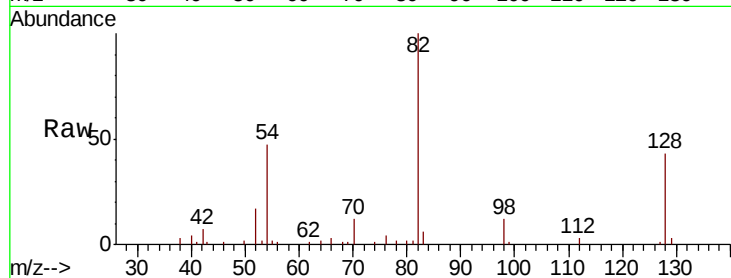




#23
 Nitrobenzene-d5
 Concen: 5.402 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112464.D
 Acq: 8 Feb 2019 17:21

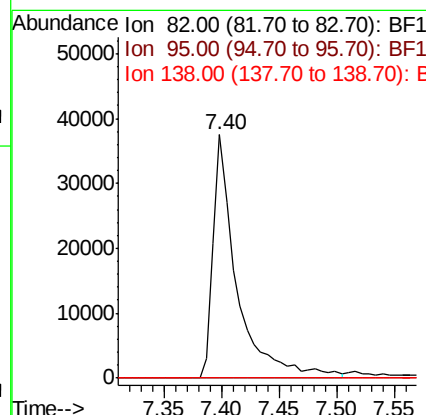
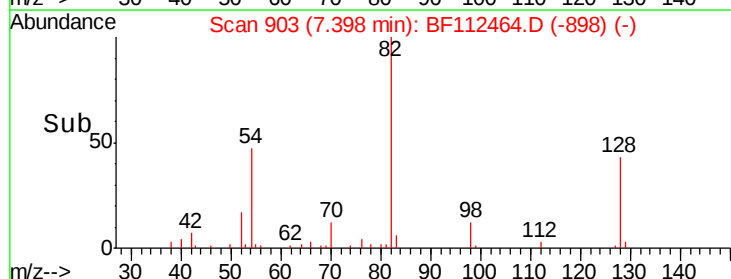
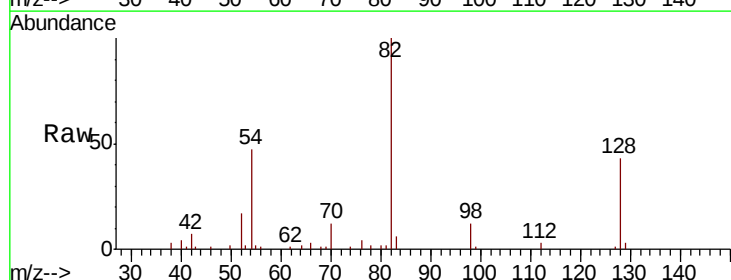
Instrument :
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 OK-01-020719

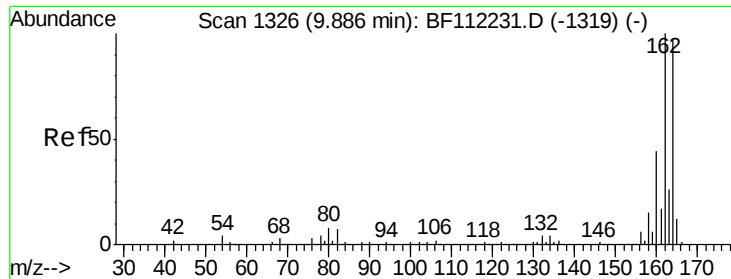
Tot Ion	82	Resp	53938
Ion Ratio	Lower	Upper	
82	100		
128	43.2	37.8	56.8
54	47.2	39.7	59.5



#25
 Isophorone
 Concen: 3.444 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF112464.D
 Acq: 8 Feb 2019 17:21

Tgt Ion	82	Resp	53938
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#

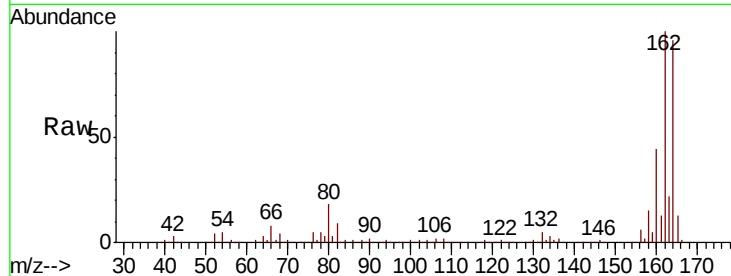




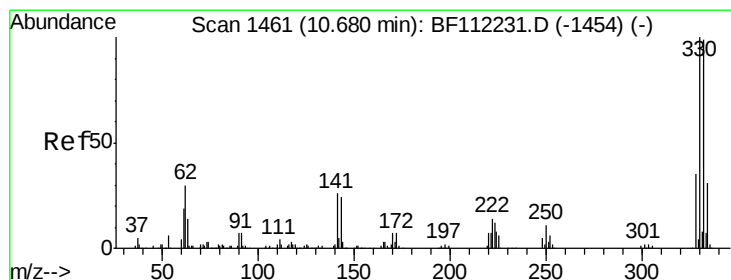
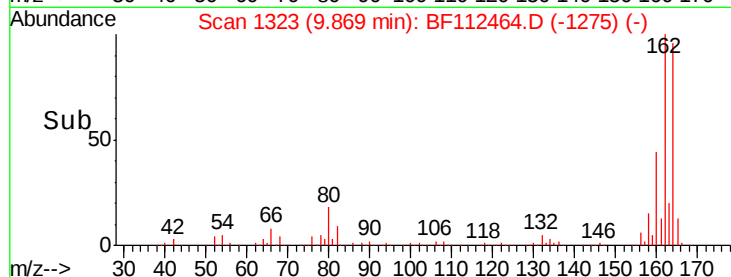
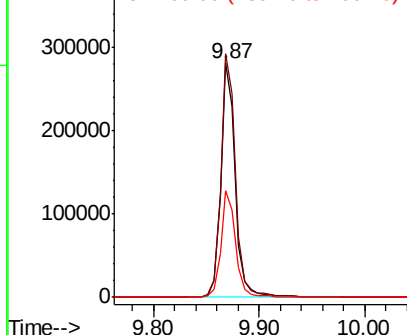
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion:164 Resp: 272193
Ion Ratio Lower Upper
164 100
162 104.0 82.2 123.4
160 45.6 36.2 54.4

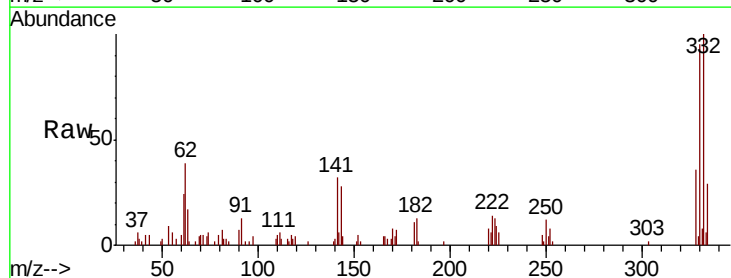


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

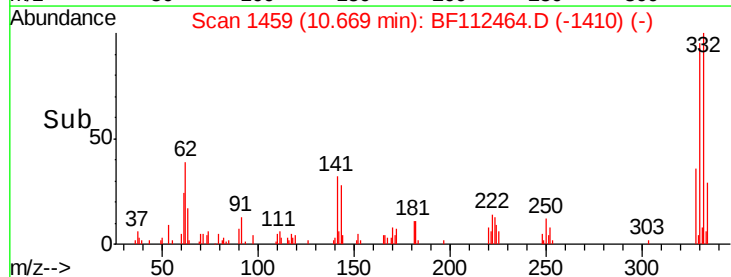
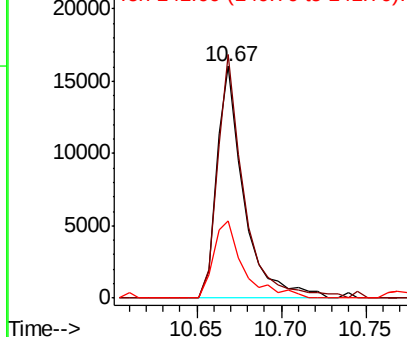


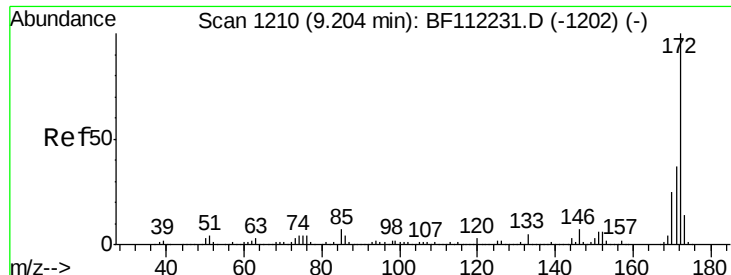
#42
2,4,6-Tribromophenol
Concen: 5.637 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion:330 Resp: 17859
Ion Ratio Lower Upper
330 100
332 101.9 76.6 114.8
141 37.0 24.3 36.5#



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

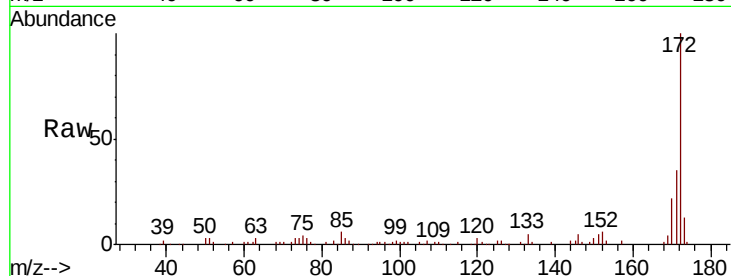




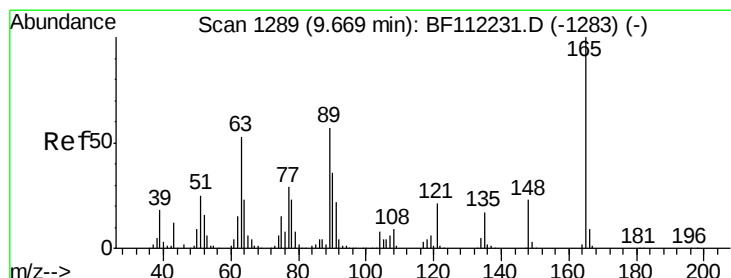
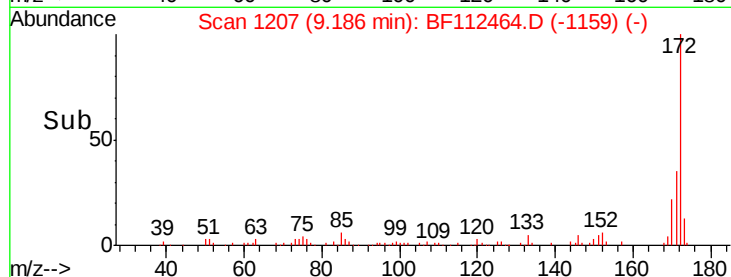
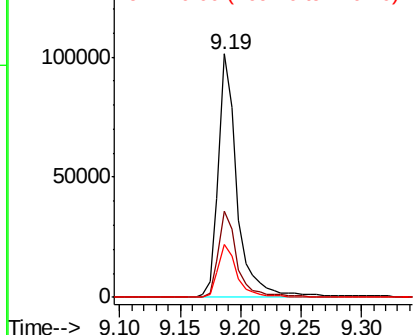
#45
2-Fluorobiphenyl
Concen: 5.657 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.5	45.7
170	21.9	20.2	30.4

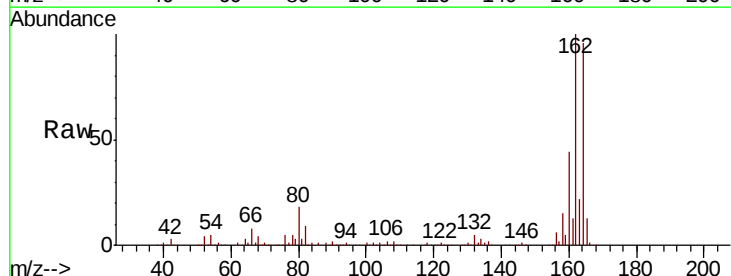


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

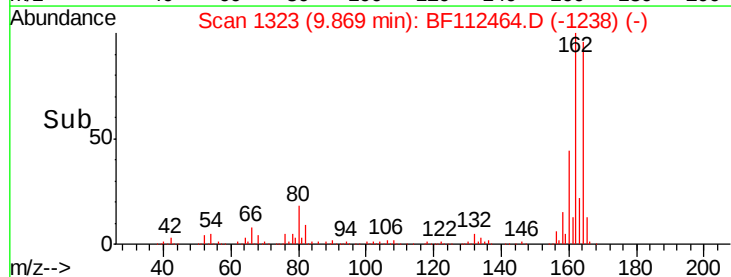
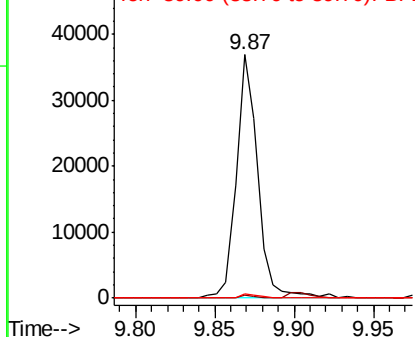


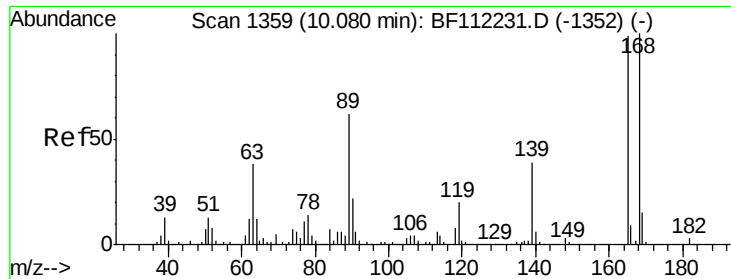
#51
2,6-Dinitrotoluene
Concen: 7.348 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.5	36.9	55.3#



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

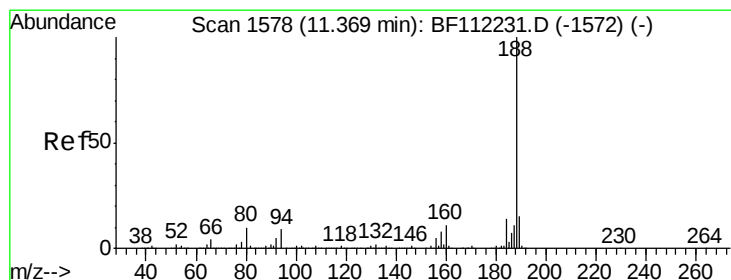
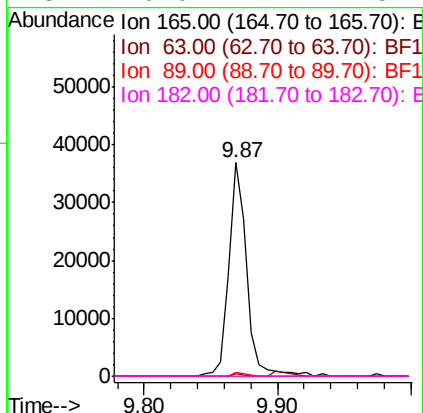
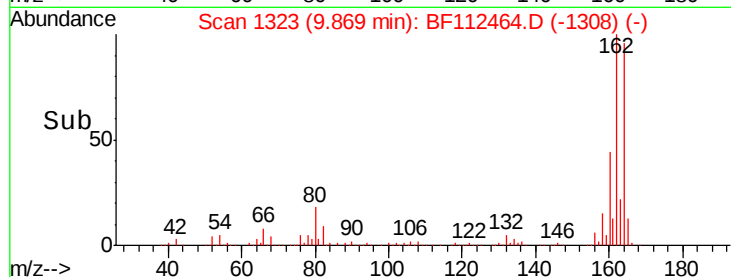
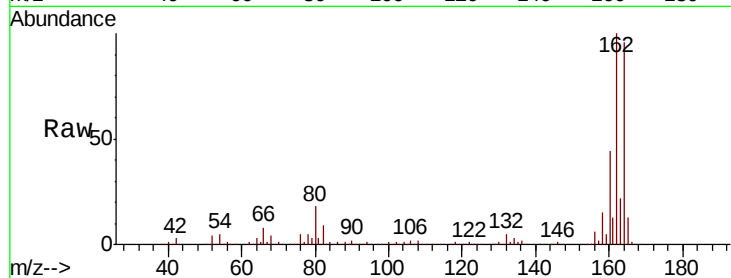




#57
 2,4-Dinitrotoluene
 Concen: 5.791 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112464.D
 Acq: 8 Feb 2019 17:21

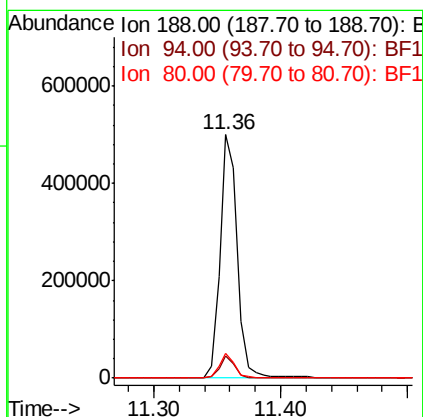
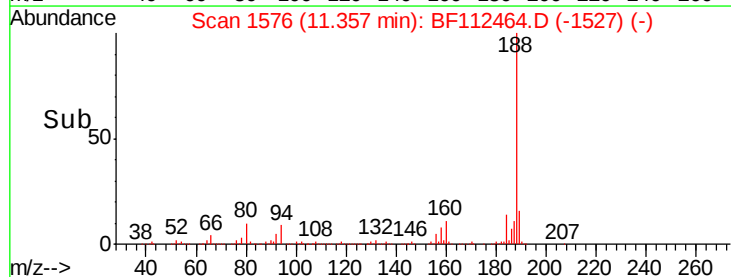
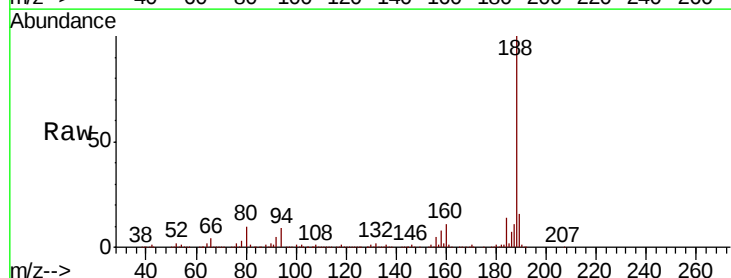
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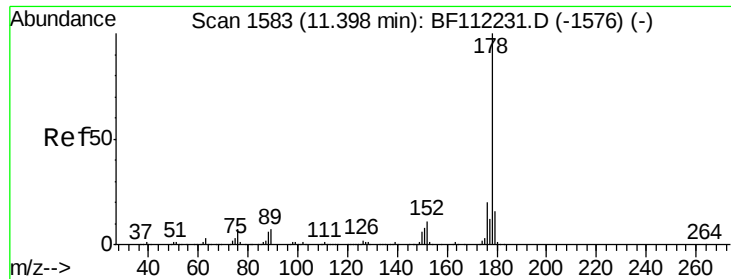
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112464.D
 Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.2	12.2
80	10.3	8.9	13.3





#71

Phenanthrene

Concen: 5.561 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

ClientSampleId :

OK-01-020719

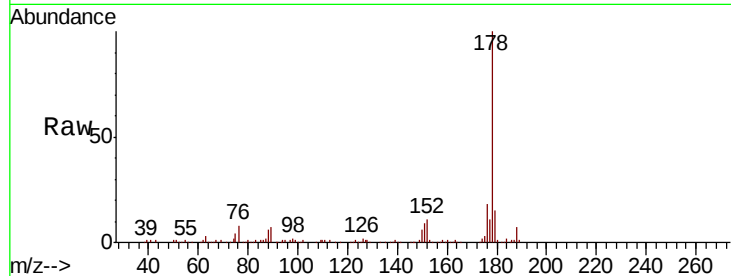
Tot Ion:178 Resp: 137372

Ion Ratio Lower Upper

178 100

176 17.6 16.3 24.5

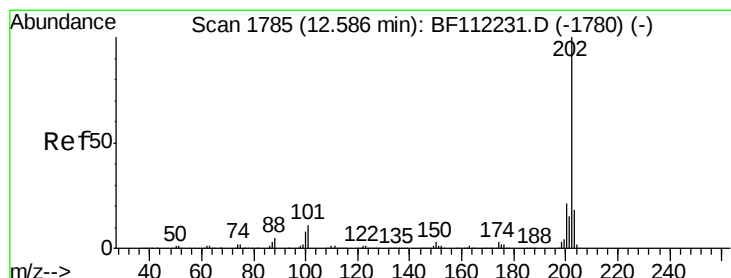
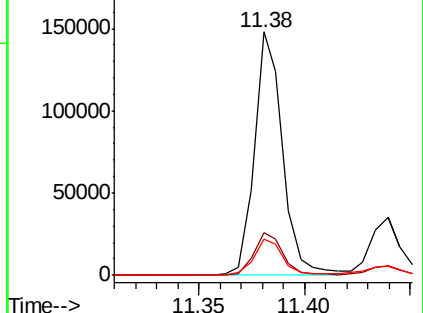
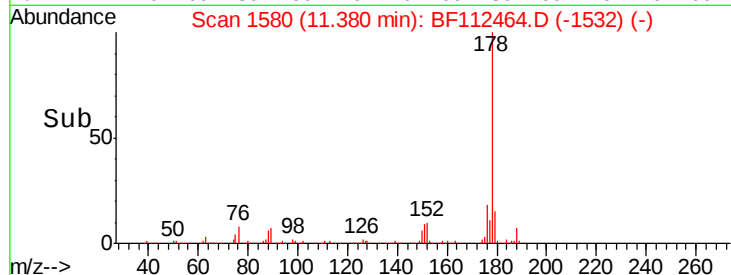
179 15.1 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 5.384 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

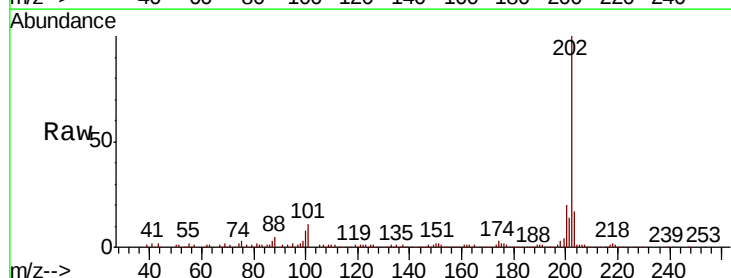
Tgt Ion:202 Resp: 142658

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.8

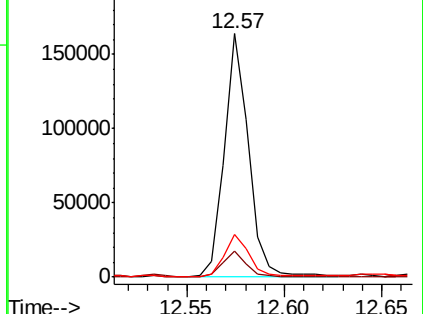
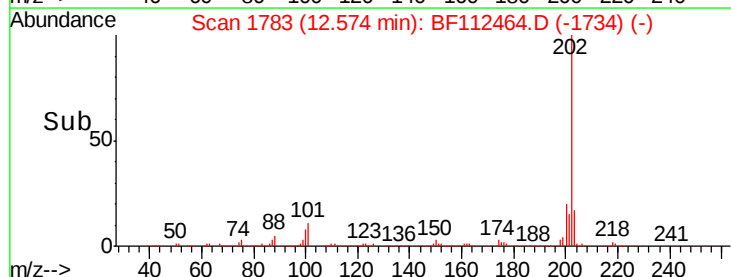
203 17.5 0.0 38.4

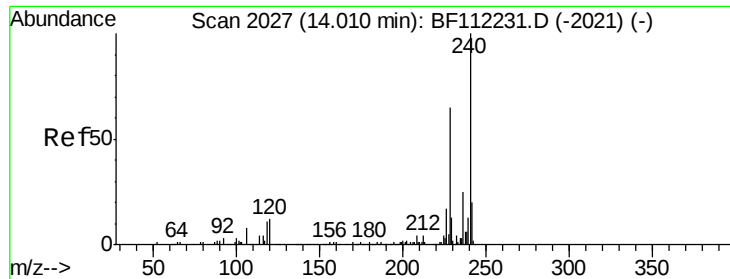


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

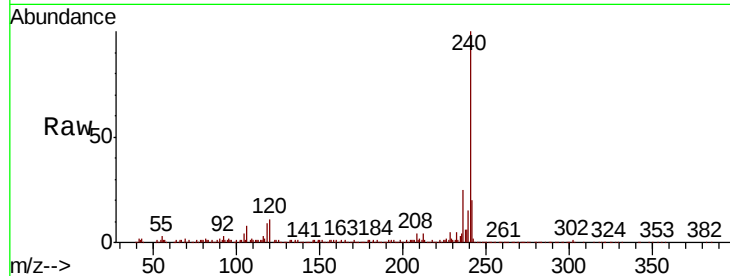




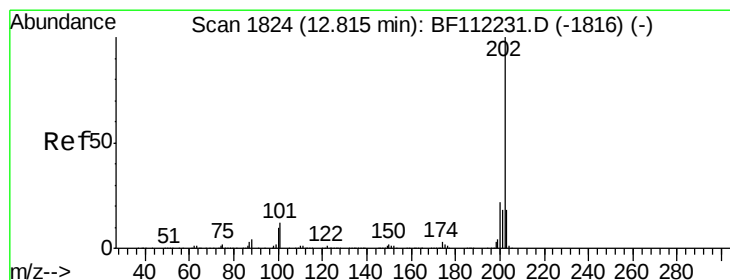
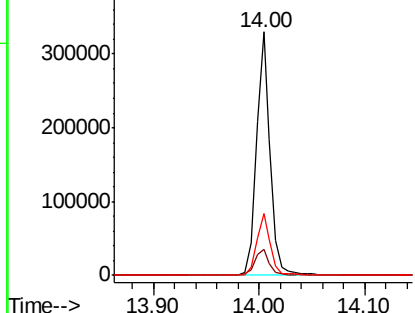
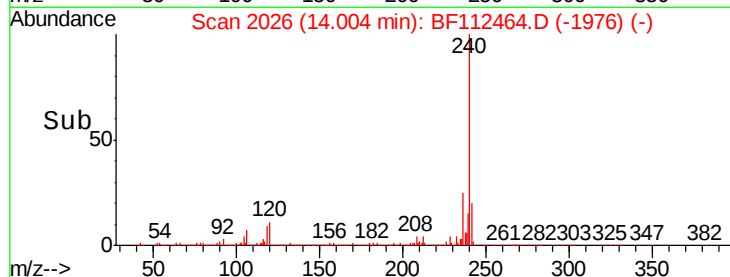
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.6
236	25.2	20.7	31.1

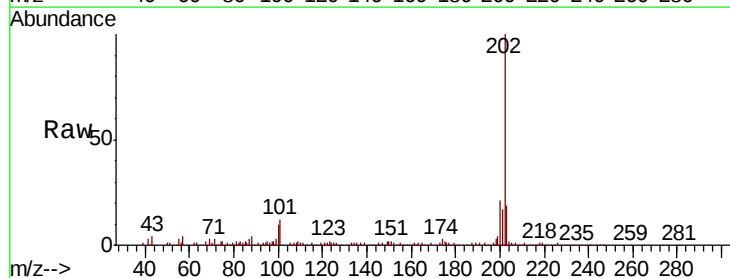


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

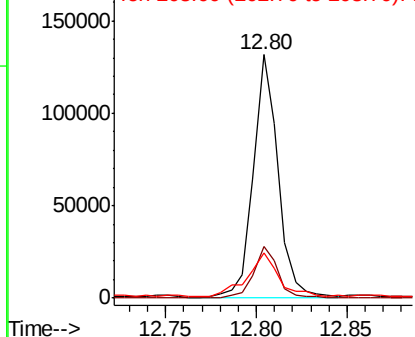
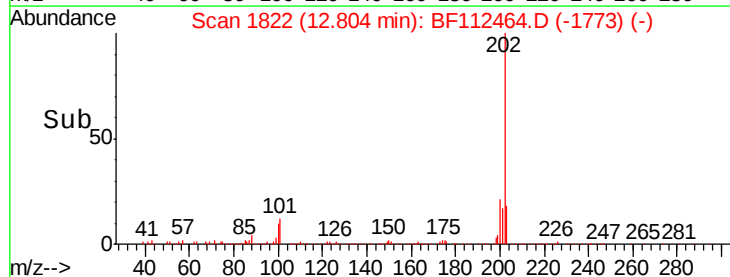


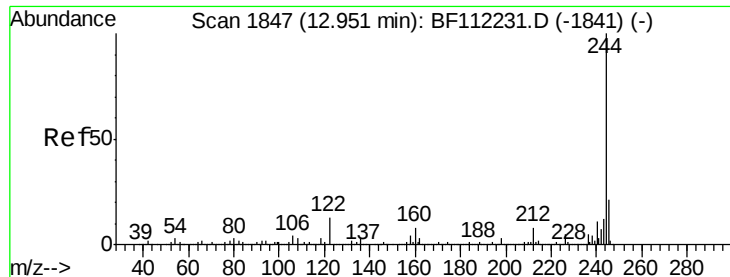
#78
Pyrene
Concen: 5.939 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	18.6	14.6	22.0



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: 5.628 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

ClientSampleId :

OK-01-020719

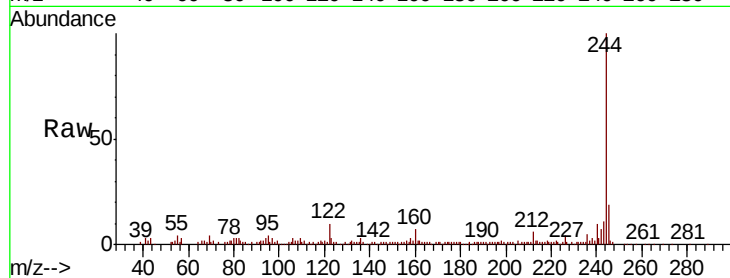
Tot Ion:244 Resp: 89935

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

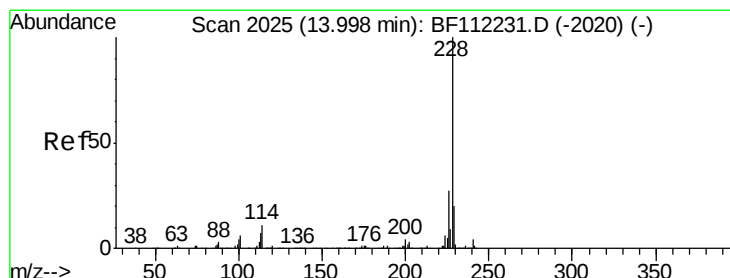
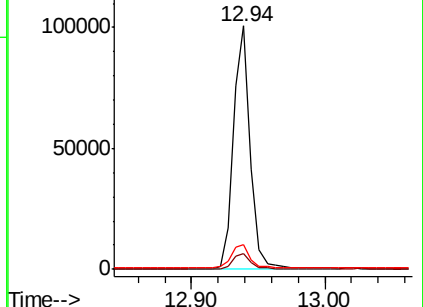
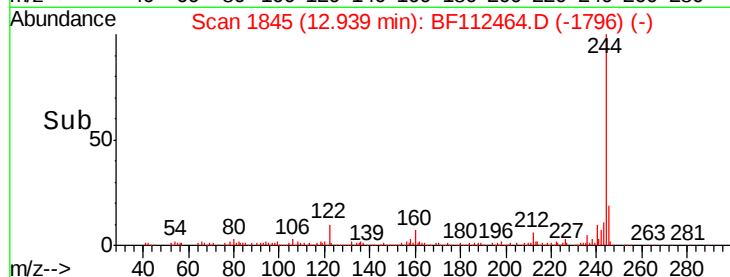
122 10.0 9.8 14.6



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



#81

Benzo(a)anthracene

Concen: 2.961 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

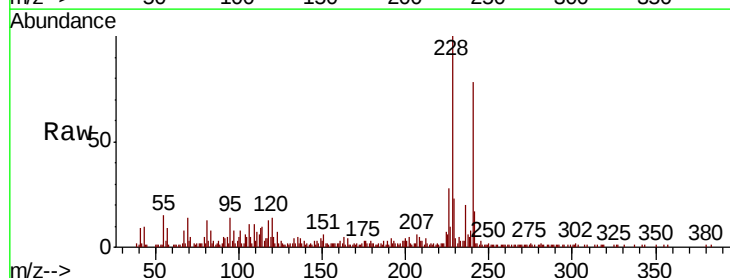
Tgt Ion:228 Resp: 52390

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

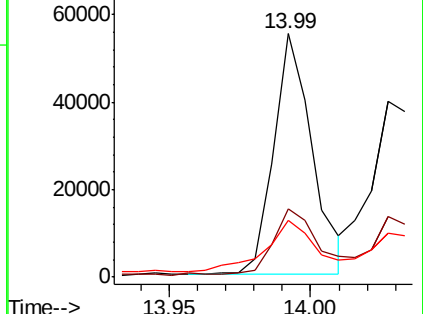
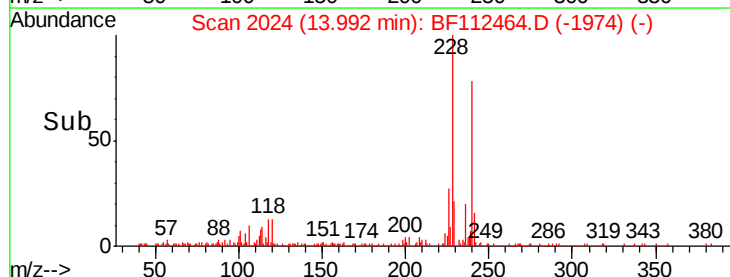
229 23.1 16.5 24.7

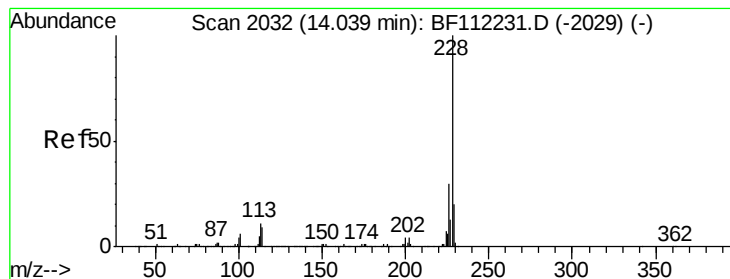


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.102 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.05 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

ClientSampleId :

OK-01-020719

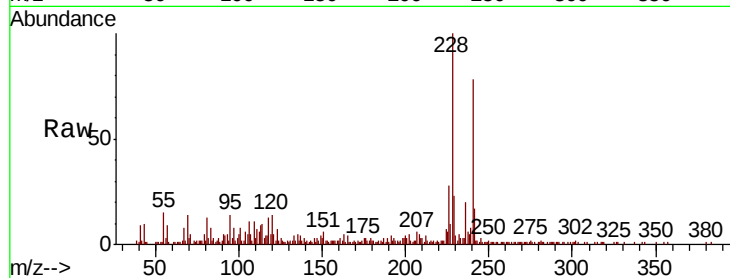
Tot Ion:228 Resp: 52390

Ion Ratio Lower Upper

228 100

226 28.0 25.0 37.6

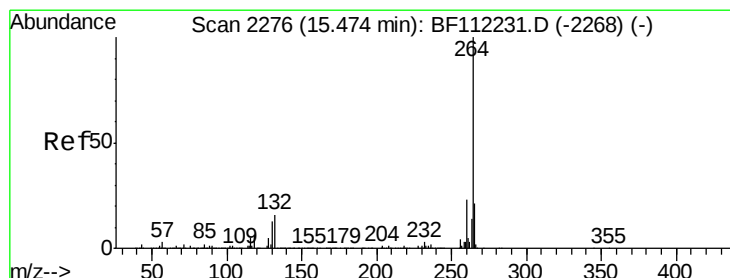
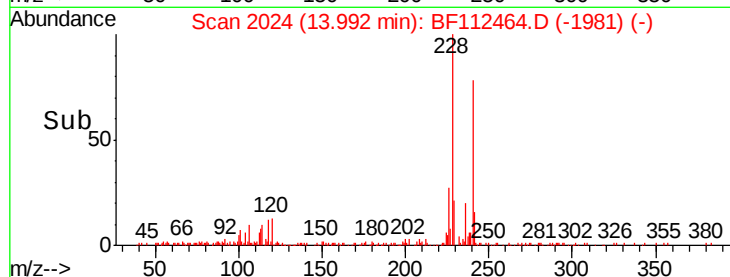
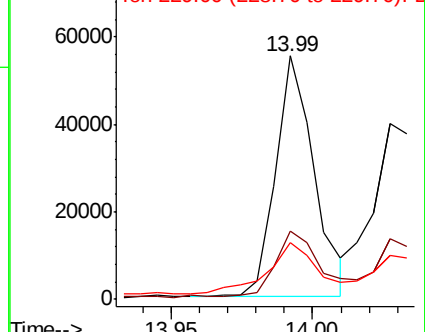
229 23.1 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

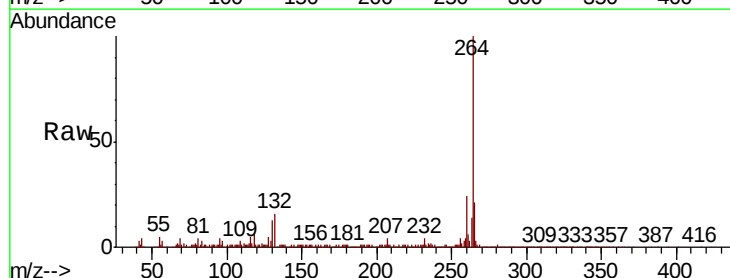
Tgt Ion:264 Resp: 303412

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

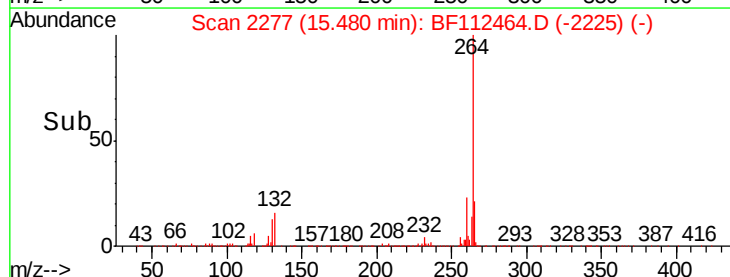
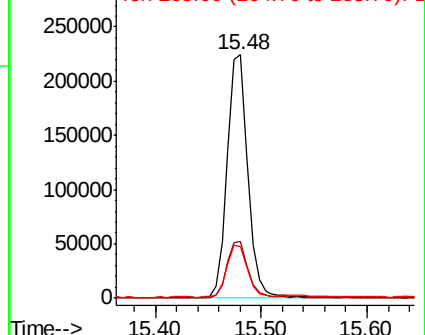
265 21.4 17.0 25.4

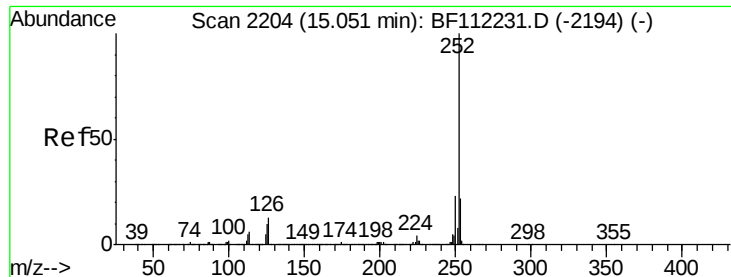


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

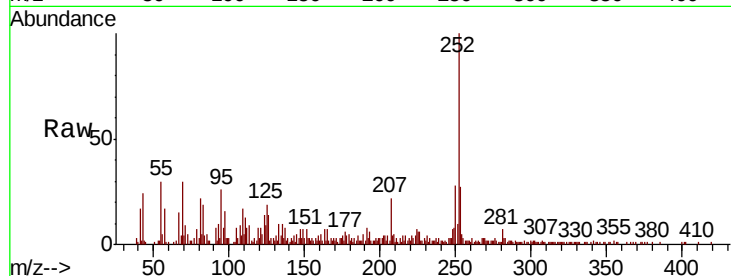




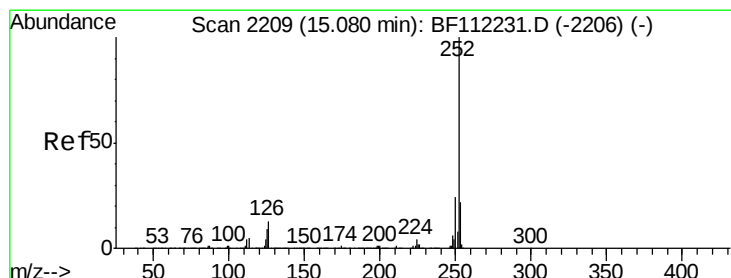
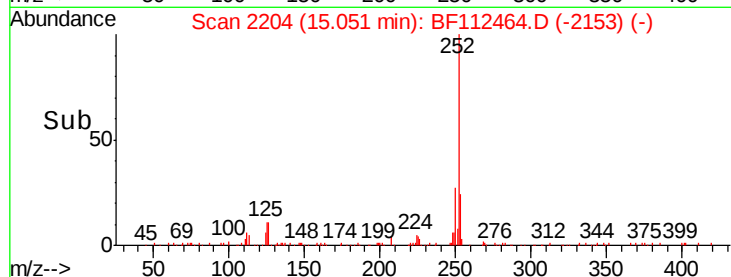
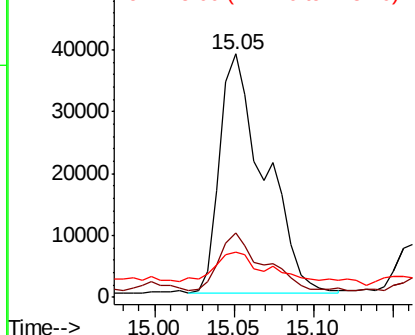
#88
Benzo(b)fluoranthene
Concen: 4.208 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion:252 Resp: 76364
Ion Ratio Lower Upper
252 100
253 26.7 18.0 27.0
125 18.8 8.7 13.1#

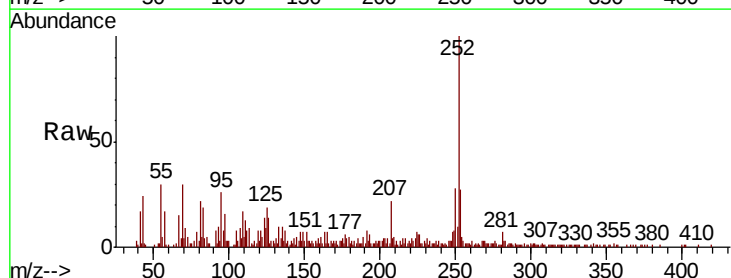


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

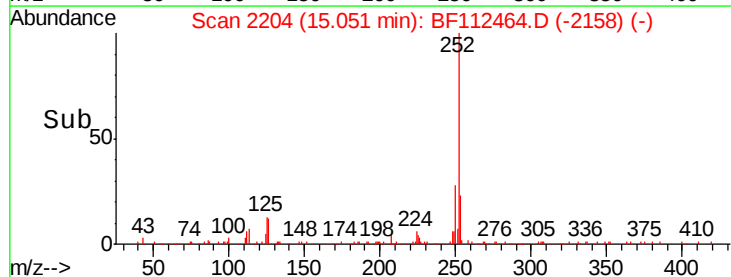
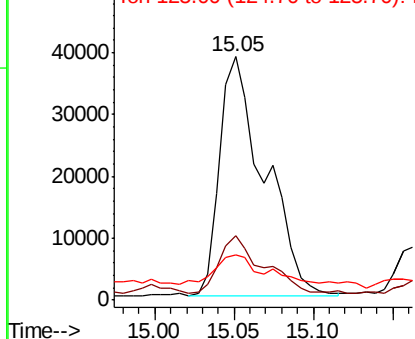


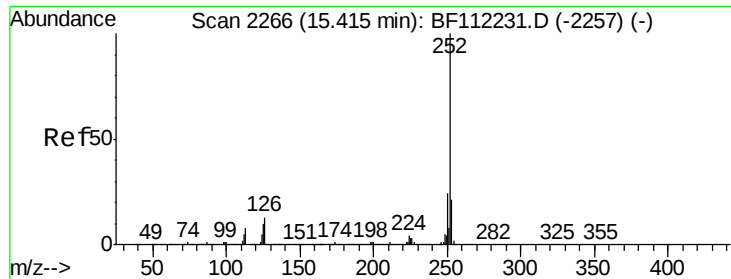
#89
Benzo(k)fluoranthene
Concen: 4.394 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion:252 Resp: 76364
Ion Ratio Lower Upper
252 100
253 26.7 18.0 27.0
125 18.8 9.1 13.7#



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: 2.651 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

ClientSampleId :

OK-01-020719

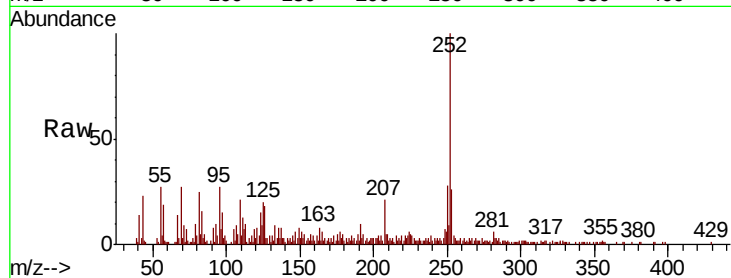
Tot Ion:252 Resp: 43284

Ion Ratio Lower Upper

252 100

253 26.3 17.5 26.3

125 19.6 9.0 13.4#



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

