

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112541.D
 Acq On : 13 Feb 2019 16:18
 Operator : JU/SJ
 Sample : K1343-19 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-J

Quant Time: Feb 14 07:28:02 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

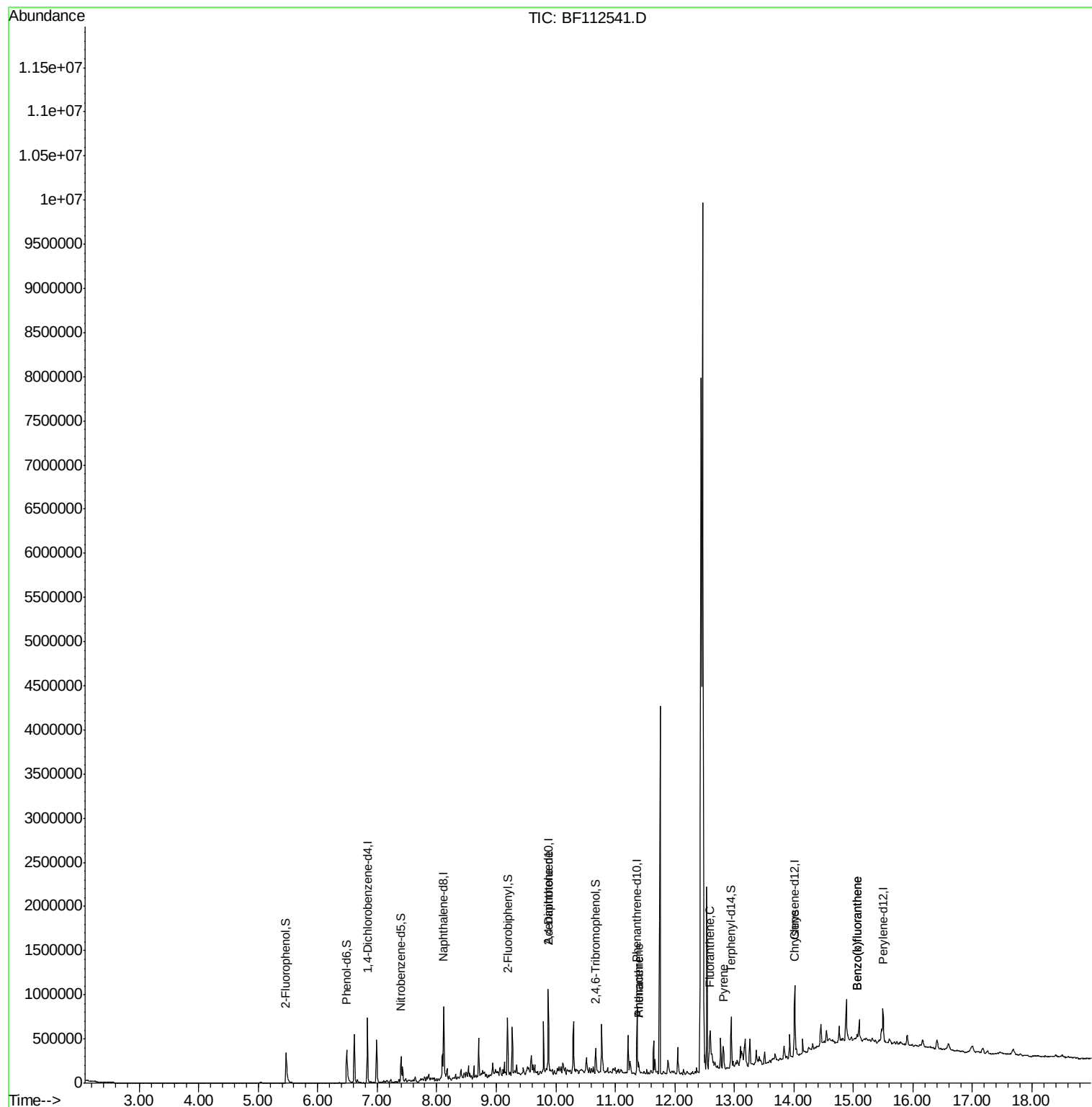
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	109613	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	423529	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	175541	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	273425	20.00	ng	0.00
76) Chrysene-d12	14.02	240	245742	20.00	ng	0.00
87) Perylene-d12	15.50	264	173204	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	151384	29.33	ng	-0.01
7) Phenol-d6	6.49	99	192877	26.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	113153	15.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	37206	18.21	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	212052	17.09	ng	-0.01
79) Terphenyl-d14	12.95	244	173945	13.33	ng	0.00
Target Compounds						
57) 2,4-Dinitrotoluene	9.87	165	25441	6.542	ng	Qvalue # 33
71) Phenanthrene	11.39	178	44858	3.156	ng	98
72) Anthracene	11.39	178	44858	3.168	ng	98
75) Fluoranthene	12.59	202	62536	4.102	ng	98
78) Pyrene	12.82	202	56206	3.304	ng	99
83) Chrysene	14.00	228	27965	2.028	ng	94
88) Benzo(b)fluoranthene	15.07	252	32382	3.126	ng	# 66
89) Benzo(k)fluoranthene	15.07	252	32382	3.264	ng	# 66

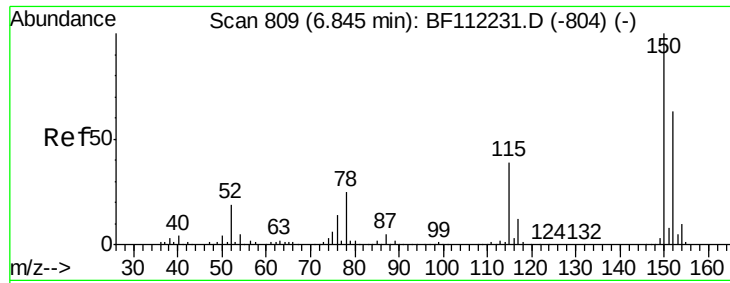
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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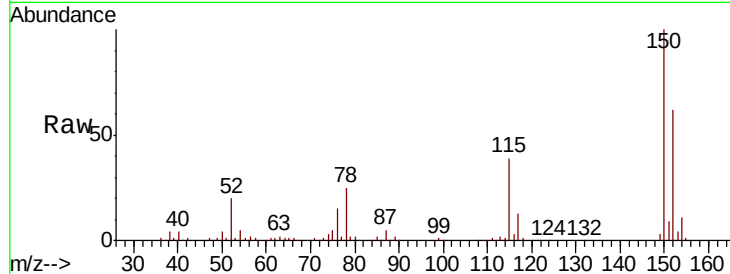


#1

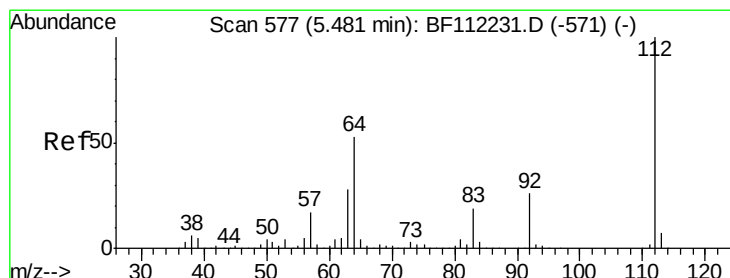
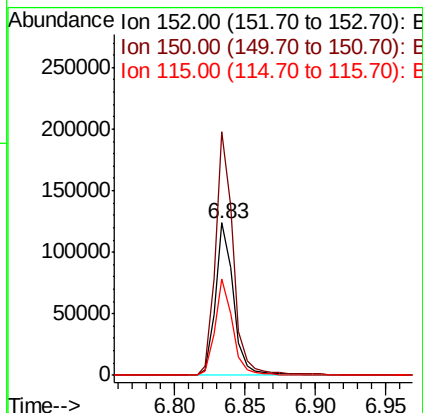
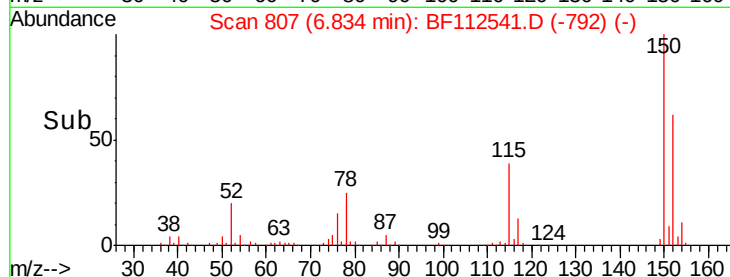
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-J

Tgt Ion:152 Resp: 109613
Ion Ratio Lower Upper
152 100
150 160.0 127.4 191.0
115 63.0 45.5 68.3



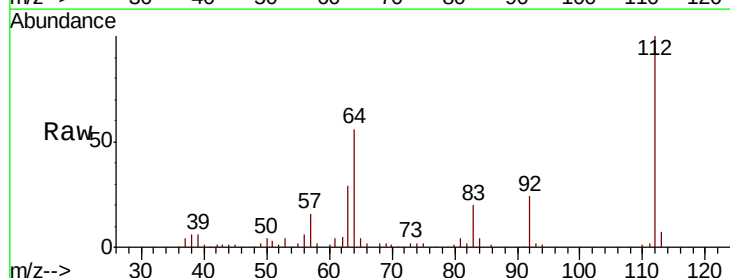
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



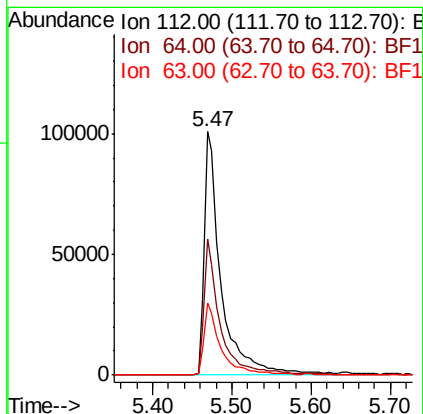
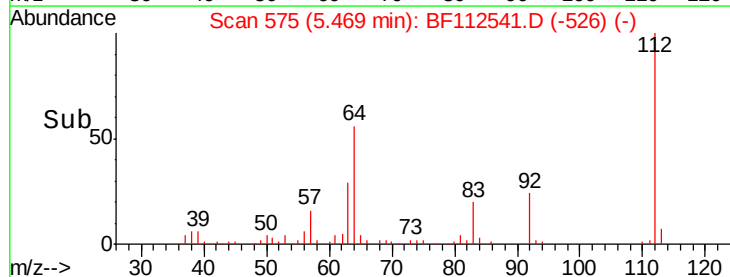
#5

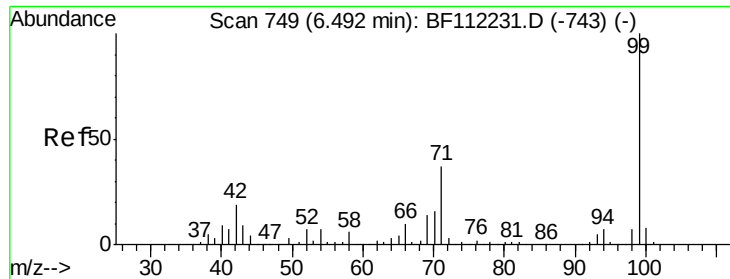
2-Fluorophenol
Concen: 29.335 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Tgt Ion:112 Resp: 151384
Ion Ratio Lower Upper
112 100
64 56.1 45.7 68.5
63 29.4 23.6 35.4



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: 26.897 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112541.D

Acq: 13 Feb 2019 16:18

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-J

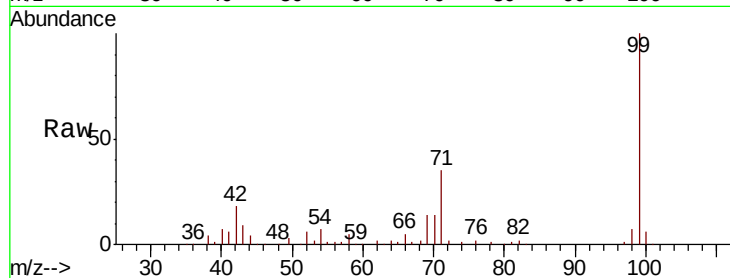
Tgt Ion: 99 Resp: 192877

Ion Ratio Lower Upper

99 100

42 18.0 15.1 22.7

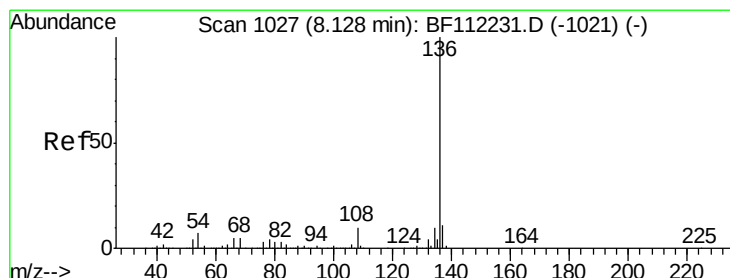
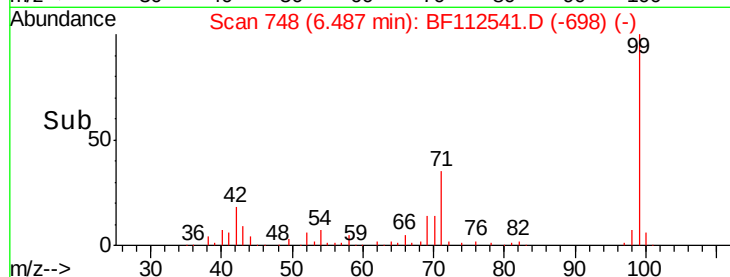
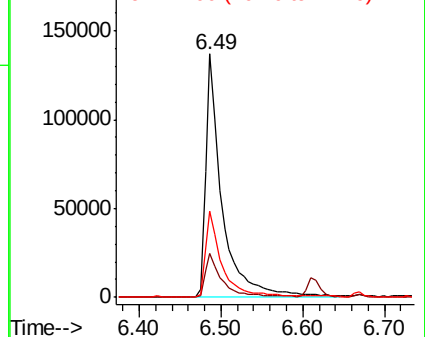
71 35.3 26.9 40.3



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: BF112541.D

Acq: 13 Feb 2019 16:18

Tgt Ion: 136 Resp: 423529

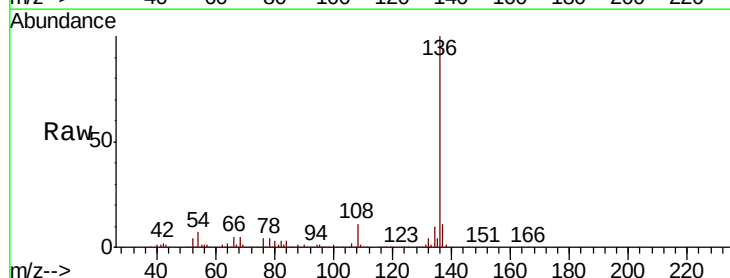
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.6 5.9 8.9

68 5.1 5.1 7.7

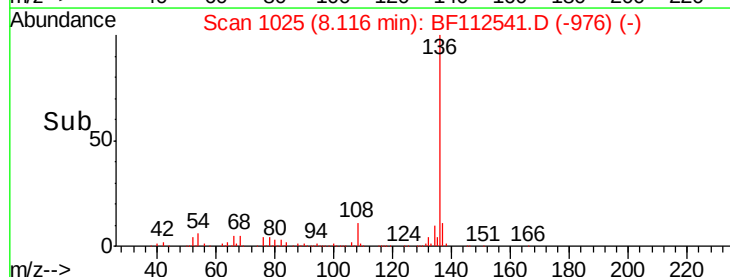
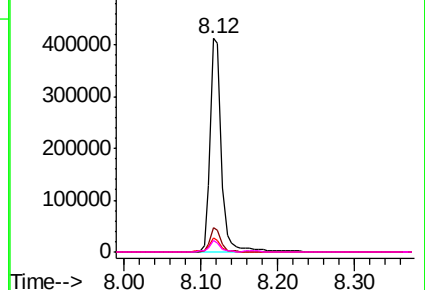


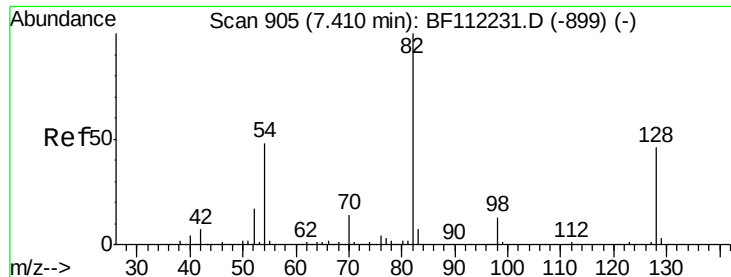
Abundance Ion 136.00 (135.70 to 136.70): E

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

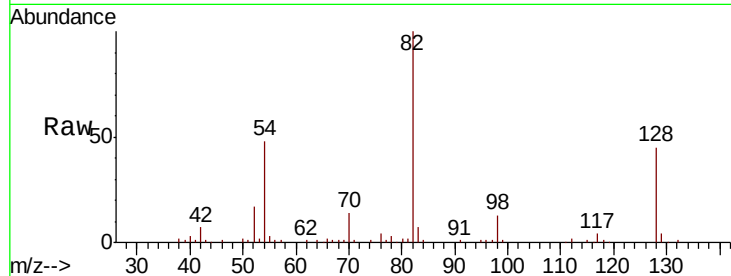




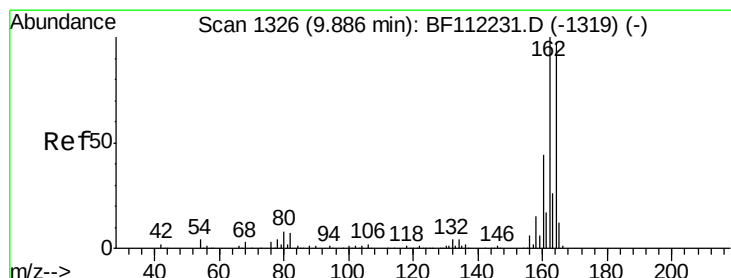
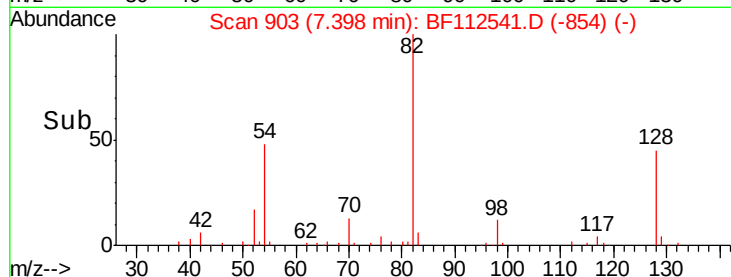
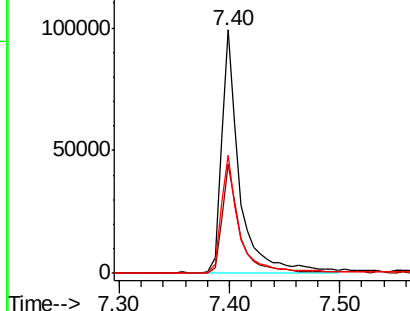
#23
Nitrobenzene-d5
Concen: 15.394 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-J

Tgt Ion: 82 Resp: 113153
Ion Ratio Lower Upper
82 100
128 44.9 37.8 56.8
54 48.3 39.7 59.5

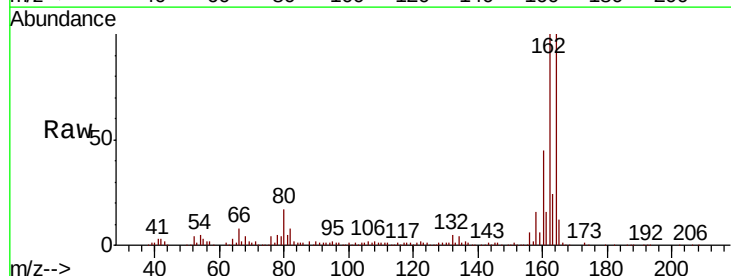


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

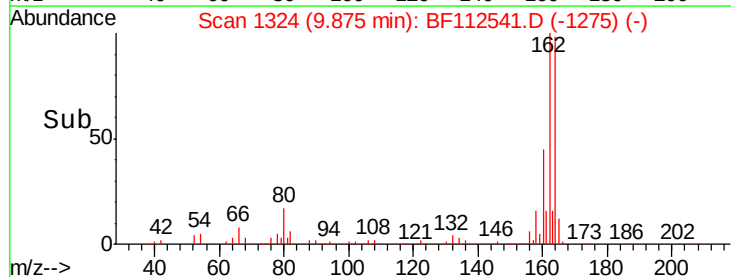
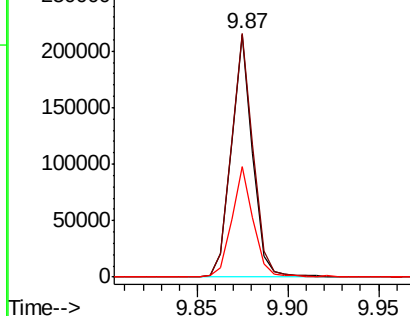


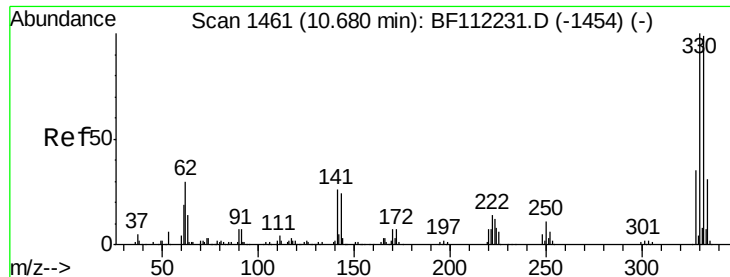
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Tgt Ion: 164 Resp: 175541
Ion Ratio Lower Upper
164 100
162 100.4 82.2 123.4
160 45.3 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

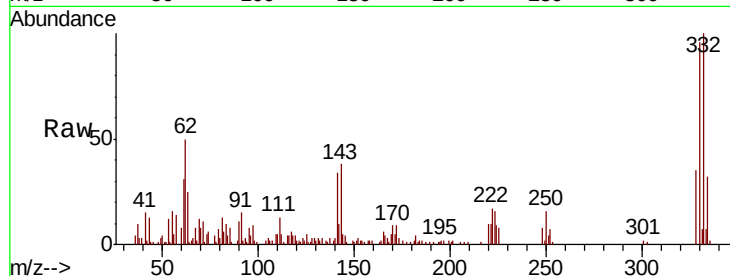




#42
 2,4,6-Tribromophenol
 Concen: 18.209 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112541.D
 Acq: 13 Feb 2019 16:18

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-J

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.3	76.6	114.8
141	33.5	24.3	36.5

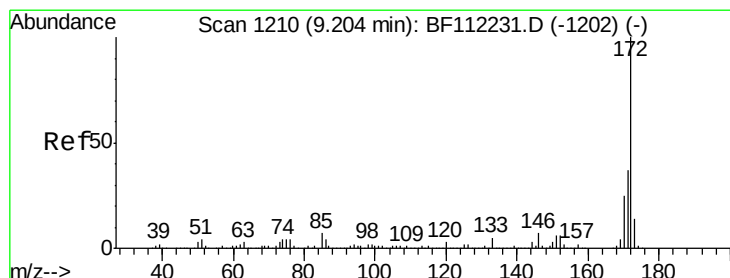
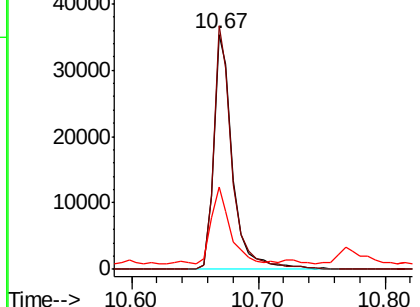
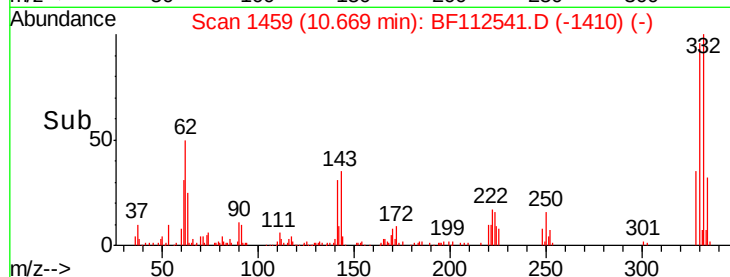


Abundance

Ion 329.80 (329.50 to 330.50): E

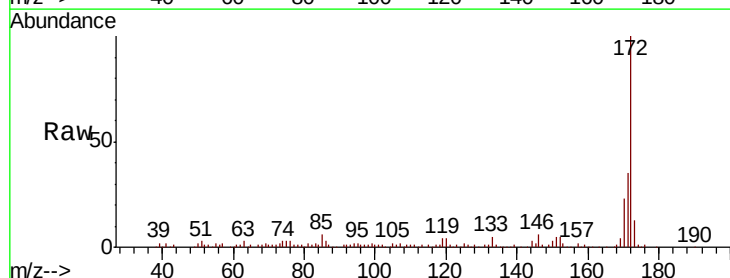
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 17.085 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112541.D
 Acq: 13 Feb 2019 16:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.5	45.7
170	23.3	20.2	30.4

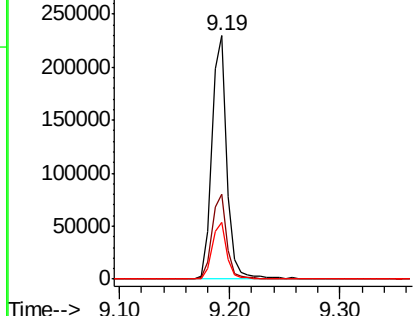
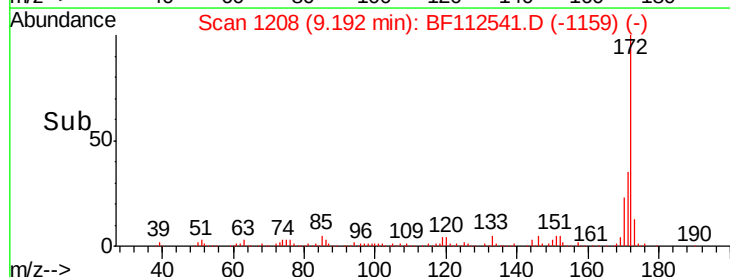


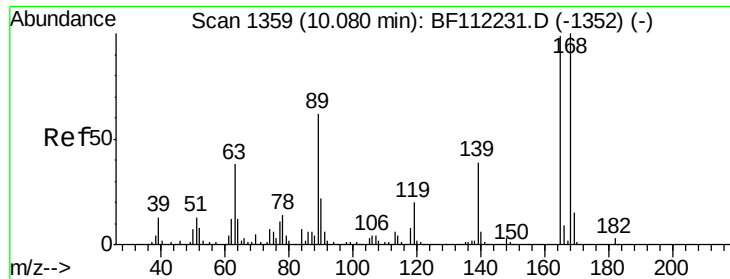
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 6.542 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112541.D

Acq: 13 Feb 2019 16:18

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-J

Tgt Ion:165 Resp: 25441

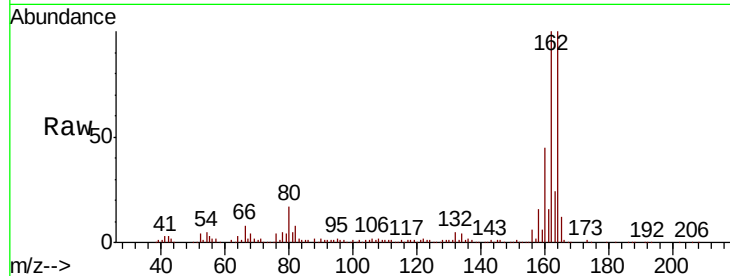
Ion Ratio Lower Upper

165 100

63 2.2 27.9 41.9#

89 2.5 47.9 71.9#

182 1.4 2.2 3.4#

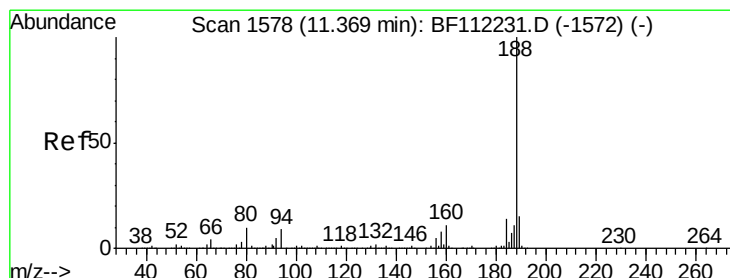
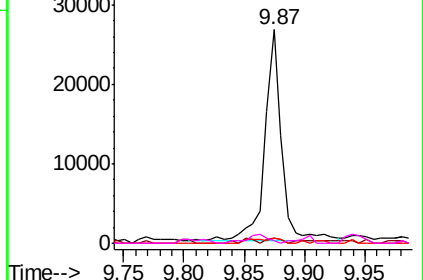
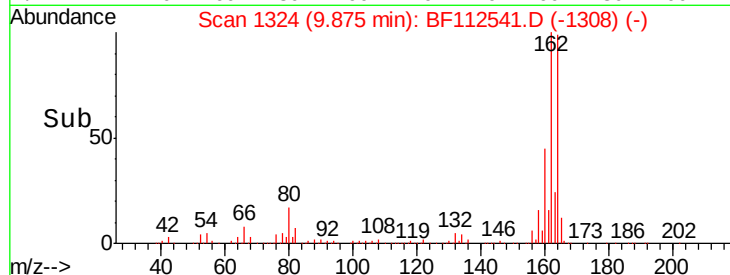


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112541.D

Acq: 13 Feb 2019 16:18

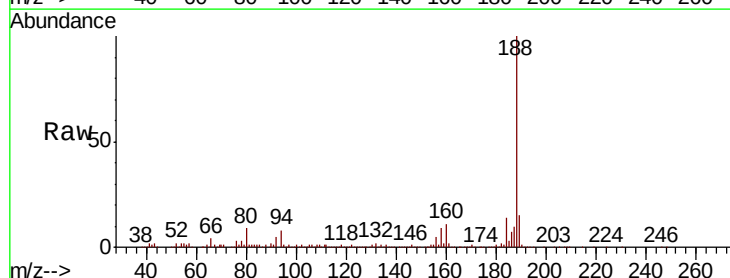
Tgt Ion:188 Resp: 273425

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

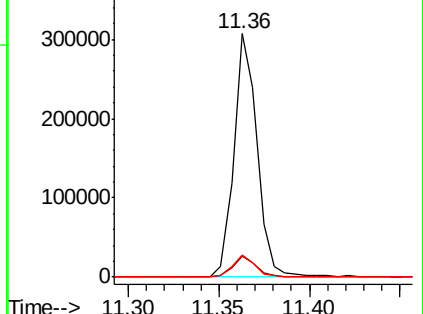
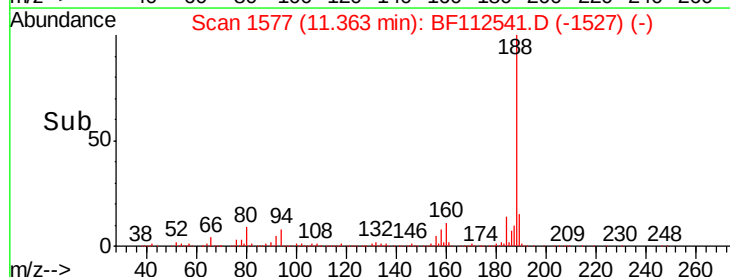
80 9.0 8.9 13.3

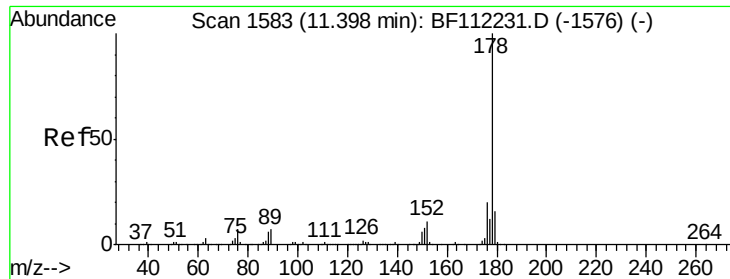


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

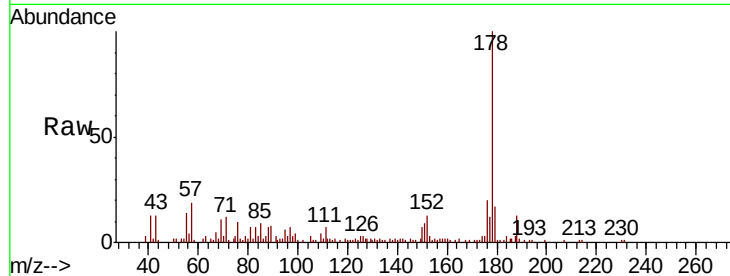




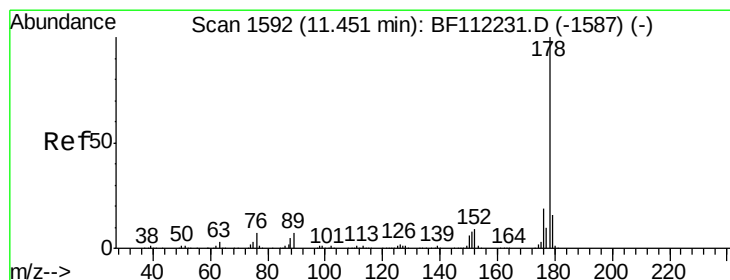
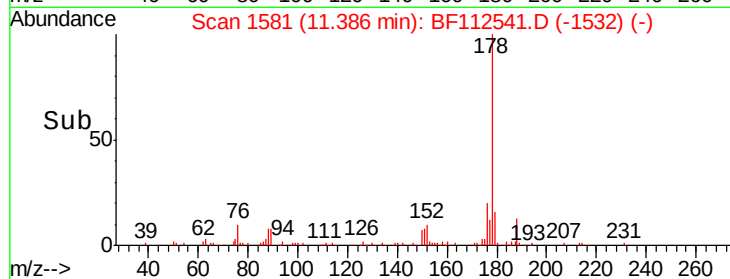
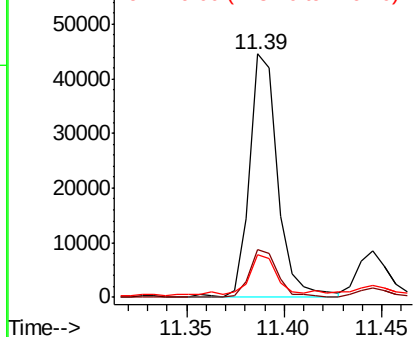
#71
Phenanthrene
Concen: 3.156 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Instrument :
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Tgt Ion:178 Resp: 44858
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 17.5 13.0 19.4

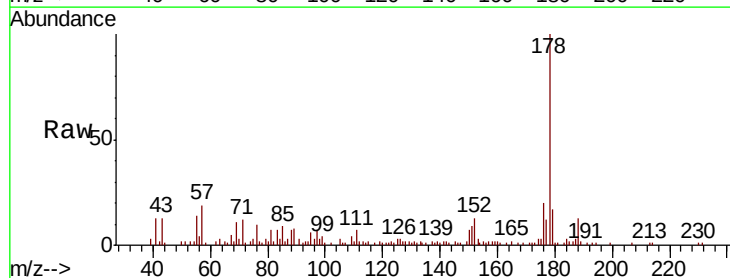


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

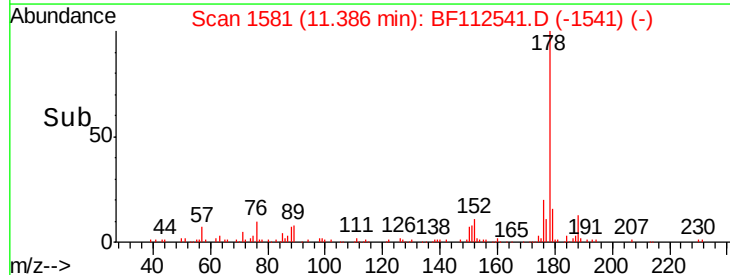
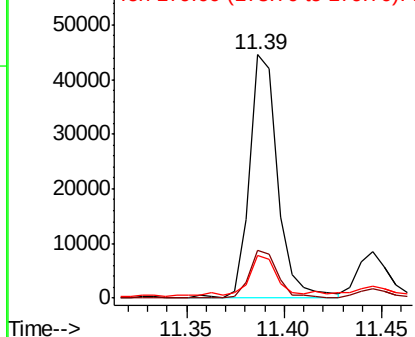


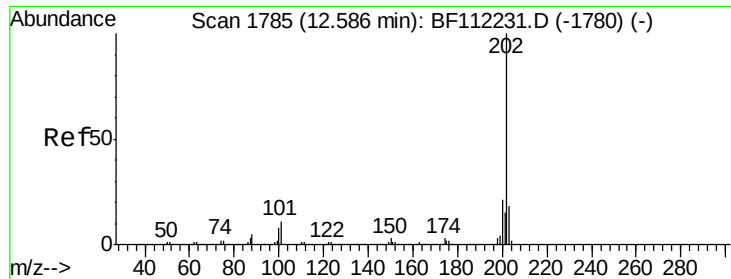
#72
Anthracene
Concen: 3.168 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Tgt Ion:178 Resp: 44858
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 17.5 12.8 19.2



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

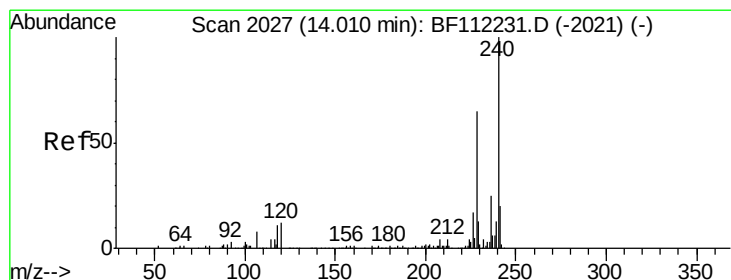
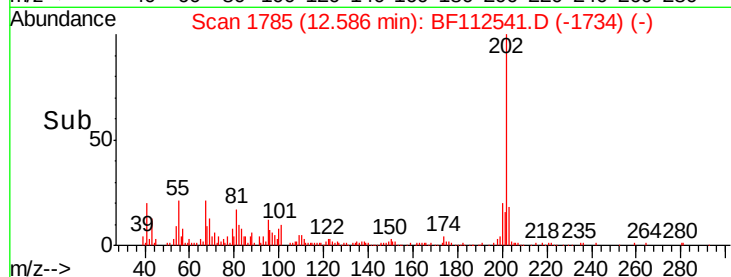
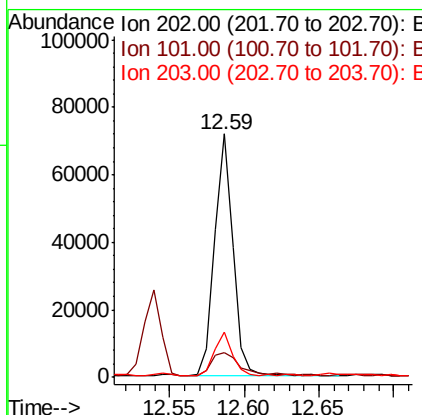
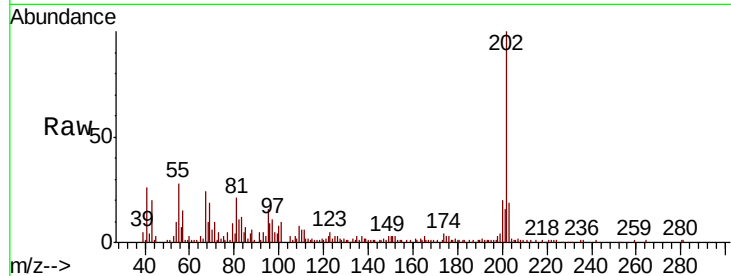




#75
Fluoranthene
Concen: 4.102 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

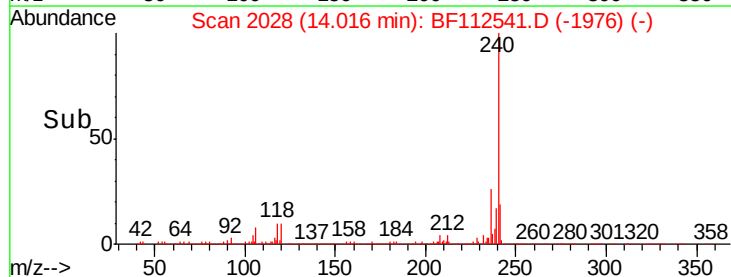
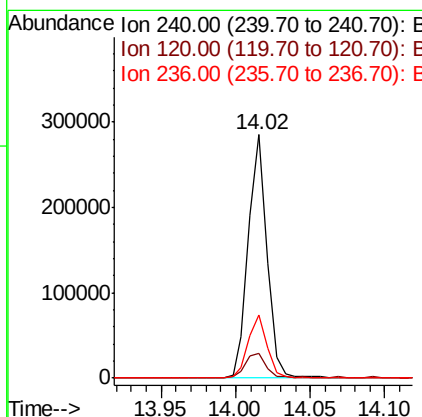
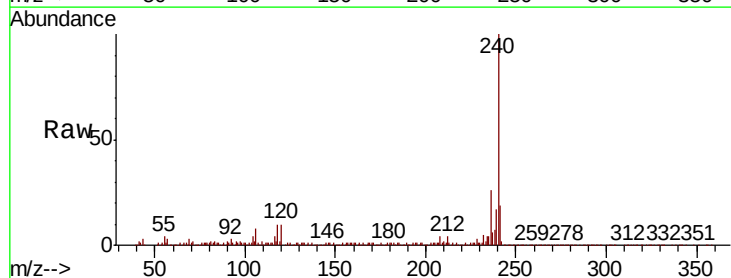
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-J

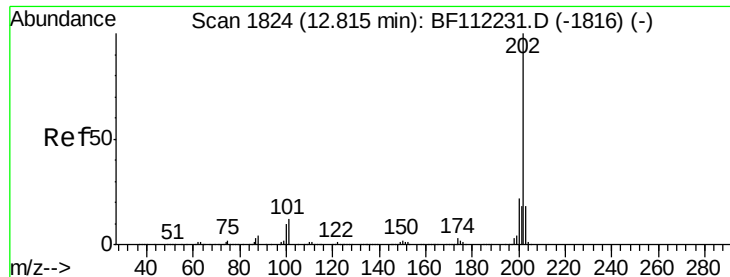
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.8
203	18.7	0.0	38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.6
236	25.7	20.7	31.1

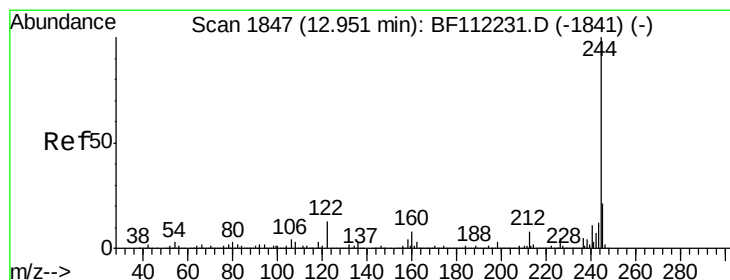
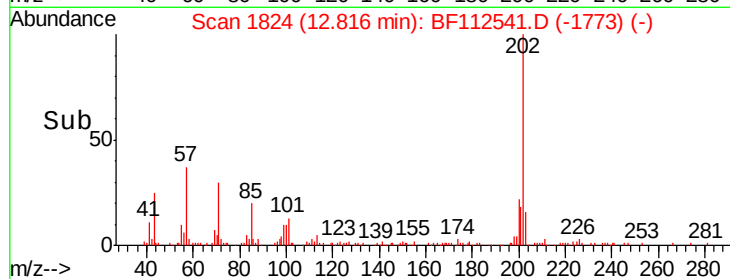
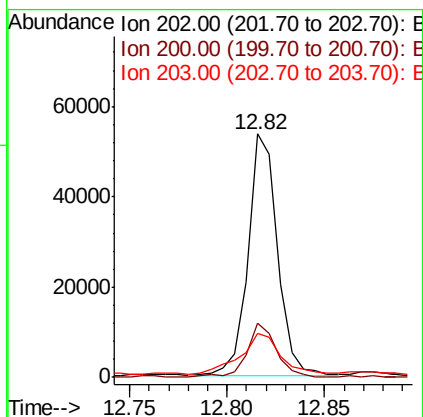
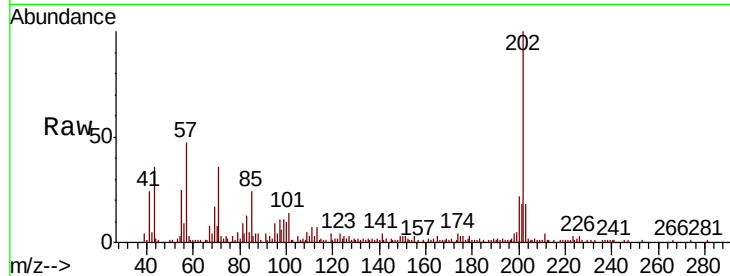




#78
 Pyrene
 Concen: 3.304 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BF112541.D
 Acq: 13 Feb 2019 16:18

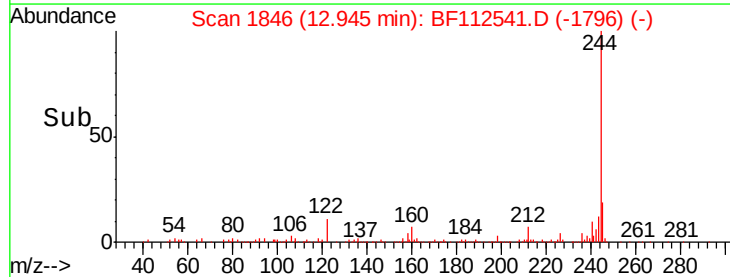
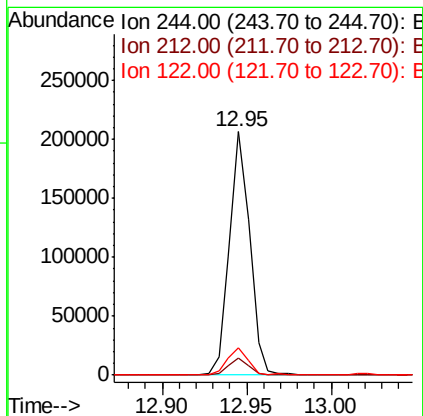
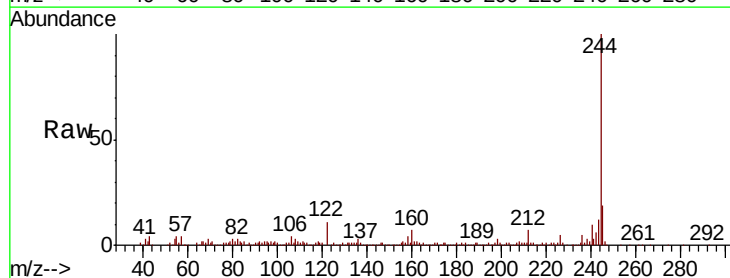
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-J

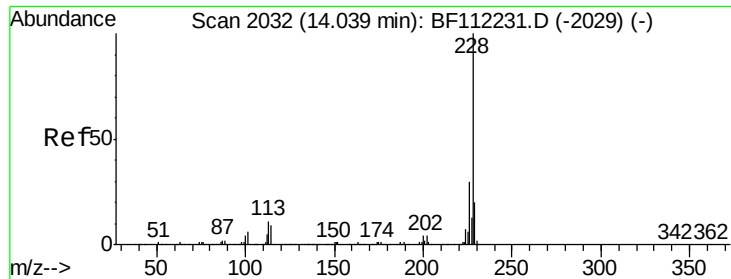
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.9	14.6	22.0



#79
 Terphenyl-d14
 Concen: 13.332 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112541.D
 Acq: 13 Feb 2019 16:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.0	9.8	14.6

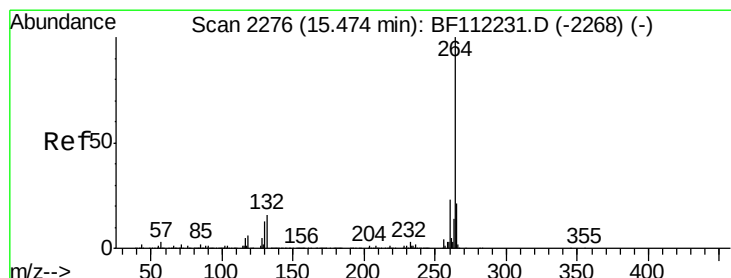
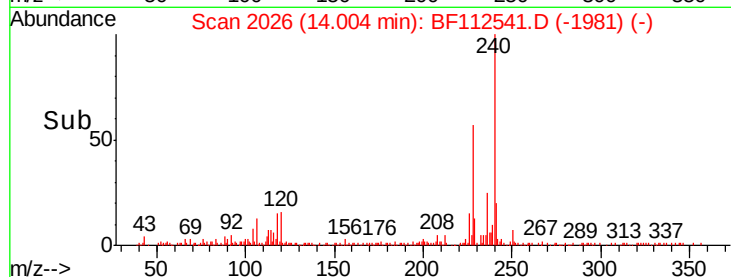
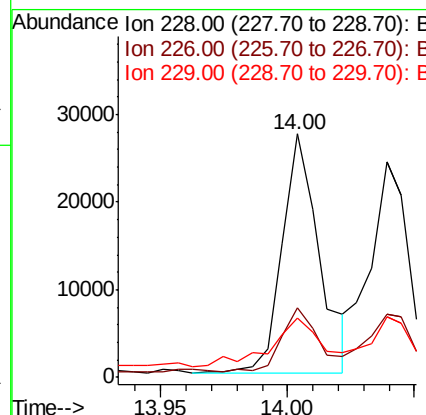
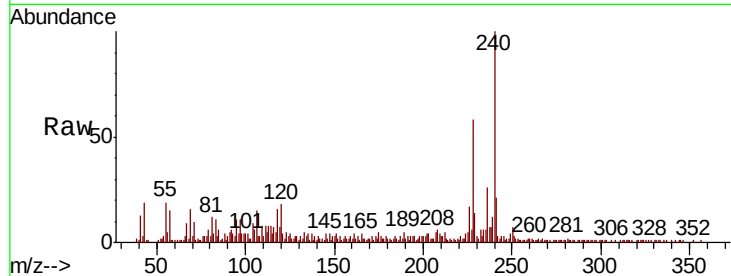




#83
Chrysene
Concen: 2.028 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

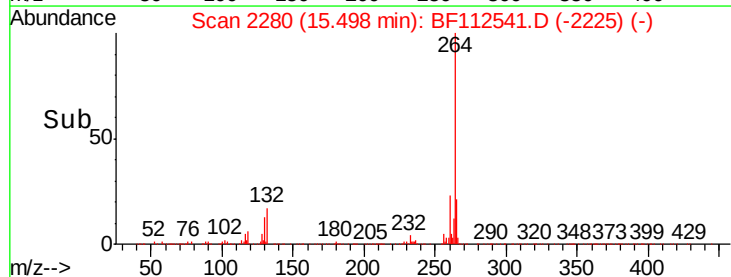
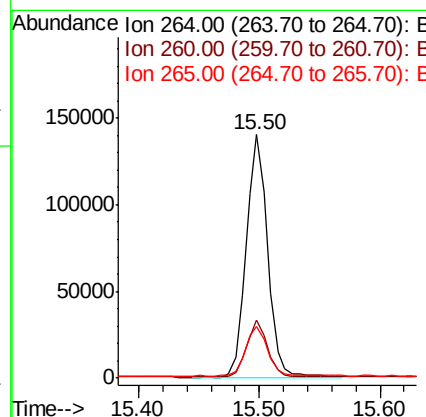
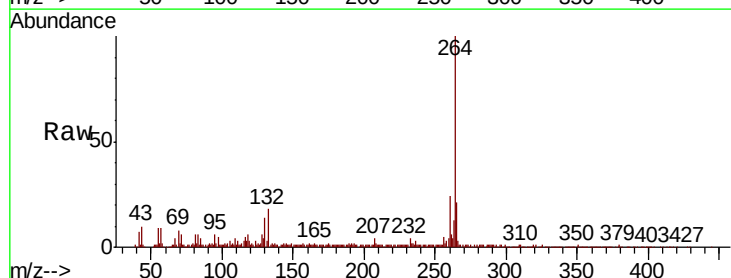
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-J

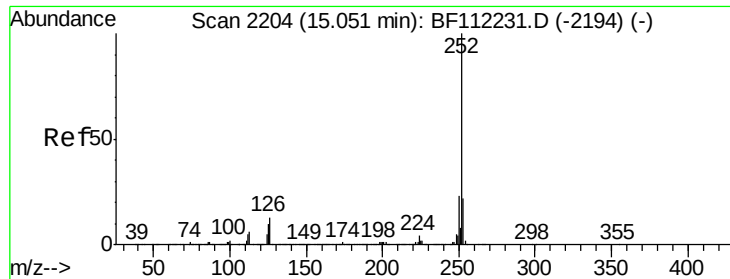
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	24.5	16.6	24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF112541.D
Acq: 13 Feb 2019 16:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.4	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 3.126 ng

RT: 15.07 min Scan# 2207

Delta R.T. 0.02 min

Lab File: BF112541.D

Acq: 13 Feb 2019 16:18

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-J

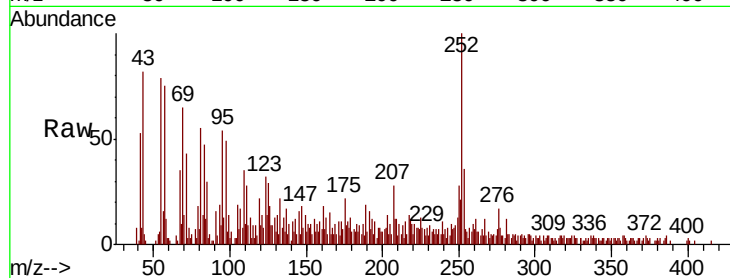
Tgt Ion:252 Resp: 32382

Ion Ratio Lower Upper

252 100

253 35.8 18.0 27.0#

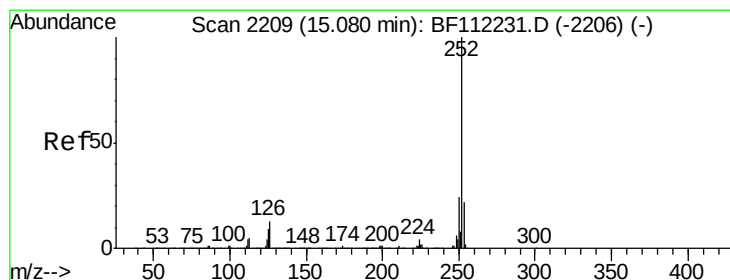
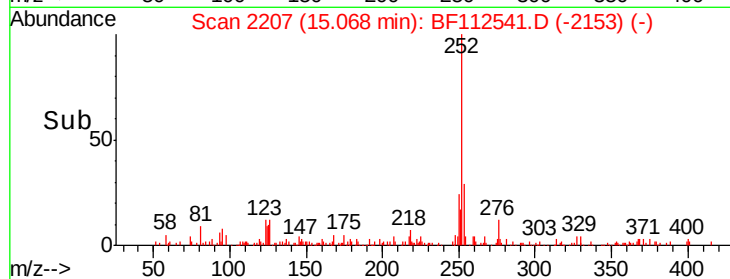
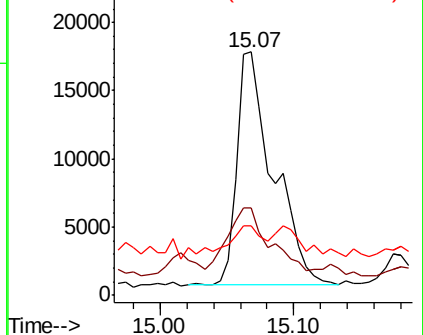
125 28.7 8.7 13.1#



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: 3.264 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF112541.D

Acq: 13 Feb 2019 16:18

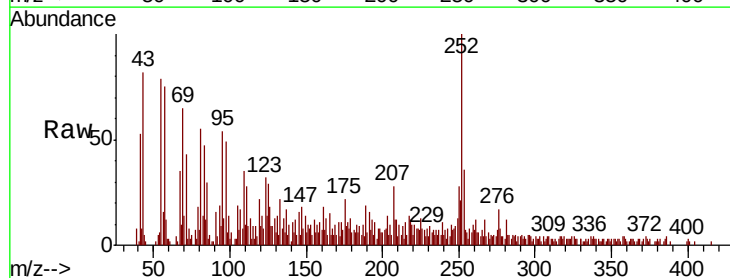
Tgt Ion:252 Resp: 32382

Ion Ratio Lower Upper

252 100

253 35.8 18.0 27.0#

125 28.7 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

