

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\NOT REVIEWED DATA\
 Data File : BF112422.D
 Acq On : 6 Feb 2019 16:16
 Operator : JU/SJ
 Sample : K1356-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-B

Quant Time: Feb 07 00:58:39 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	151426	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	583228	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	277309	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	449898	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	320622	20.00	ng	-0.01
87) Perylene-d12	15.47	264	330604	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	171615	24.07	ng	-0.02
7) Phenol-d6	6.48	99	224743	22.69	ng	-0.01
23) Nitrobenzene-d5	7.39	82	135309	13.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	58841	18.23	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	275142	14.03	ng	-0.02
79) Terphenyl-d14	12.93	244	202617	11.90	ng	-0.02

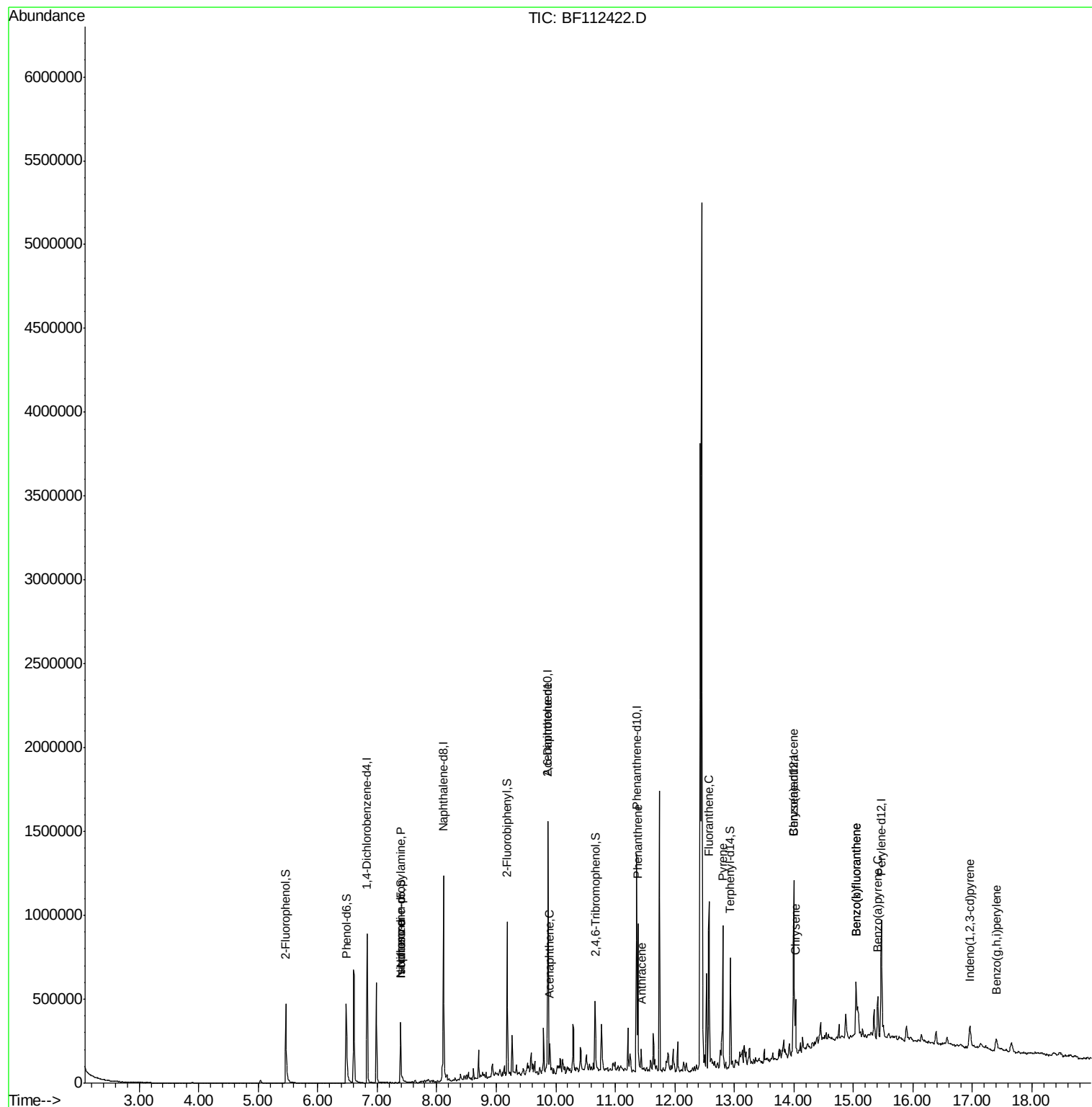
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	18719	2.740	ng	# 76
25) Isophorone	7.39	82	135307	8.521	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	37993	7.874	ng	# 34
52) Acenaphthene	9.90	154	34061	2.069	ng	99
71) Phenanthrene	11.38	178	310372	13.270	ng	98
72) Anthracene	11.43	178	50062	2.149	ng	97
75) Fluoranthene	12.57	202	378614	15.092	ng	96
78) Pyrene	12.80	202	303748	13.684	ng	98
81) Benzo(a)anthracene	13.99	228	132339	7.021	ng	100
83) Chrysene	14.03	228	129776	7.213	ng	99
86) Indeno(1,2,3-cd)pyrene	16.95	276	60988	4.278	ng	93
88) Benzo(b)fluoranthene	15.04	252	227978	11.531	ng	98
89) Benzo(k)fluoranthene	15.04	252	227978	12.038	ng	98
90) Benzo(a)pyrene	15.41	252	114050	6.411	ng	99
92) Benzo(g,h,i)perylene	17.40	276	56277	4.160	ng	97

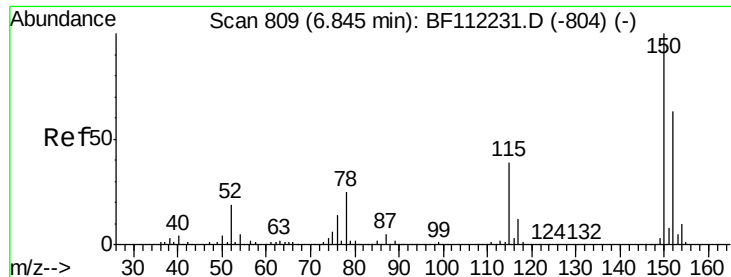
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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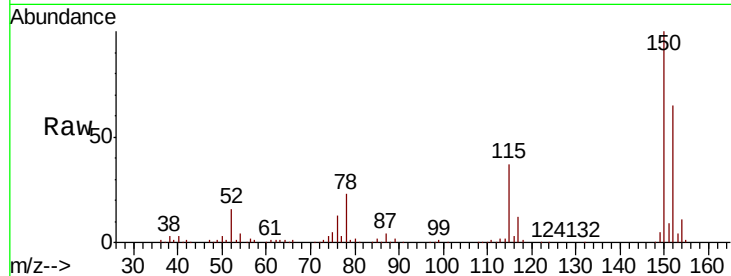


#1

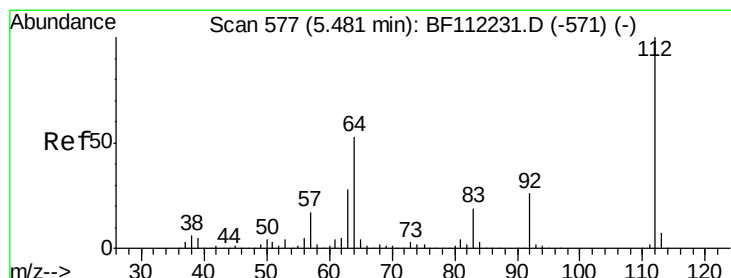
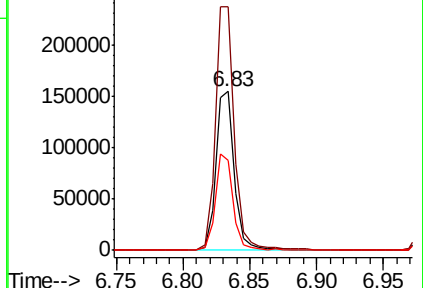
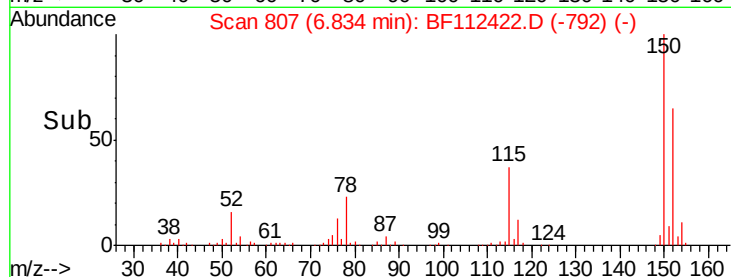
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-B

Tgt Ion:152 Resp: 151426
Ion Ratio Lower Upper
152 100
150 153.4 127.4 191.0
115 56.6 45.5 68.3



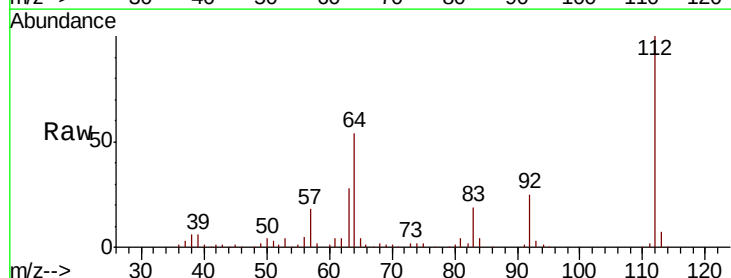
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



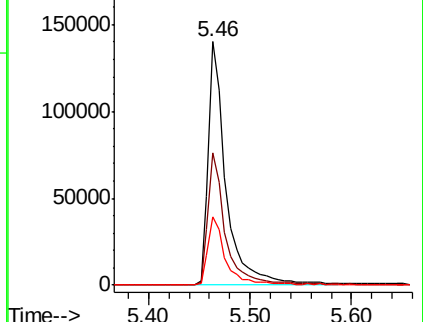
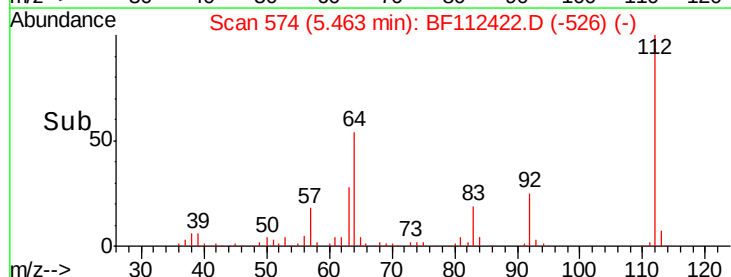
#5

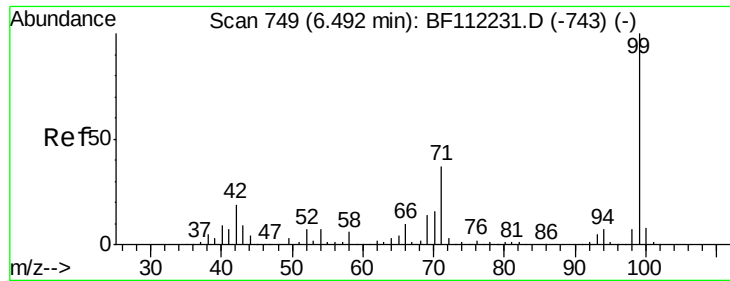
2-Fluorophenol
Concen: 24.073 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion:112 Resp: 171615
Ion Ratio Lower Upper
112 100
64 54.2 45.7 68.5
63 28.3 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: 22.687 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-B

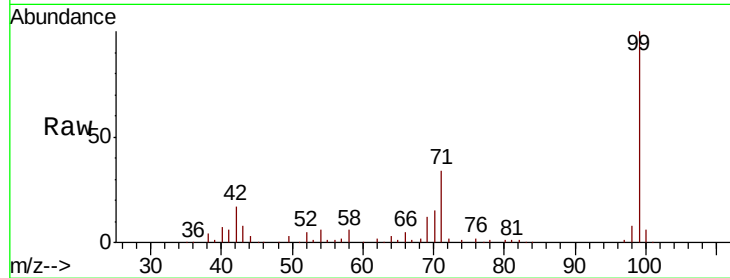
Tgt Ion: 99 Resp: 224743

Ion Ratio Lower Upper

99 100

42 17.2 15.1 22.7

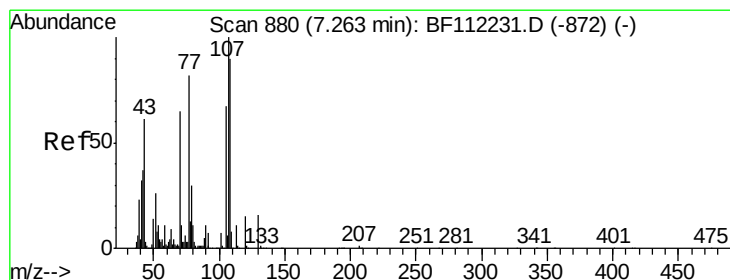
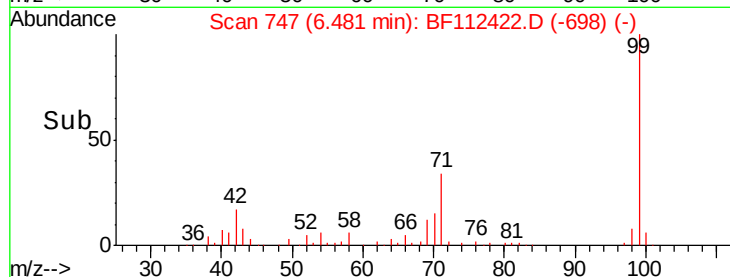
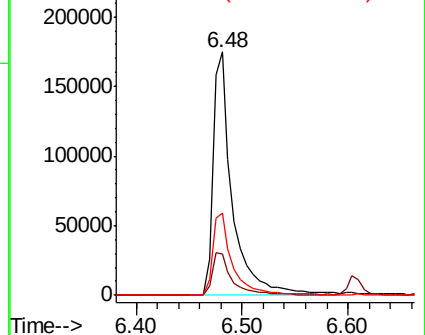
71 33.9 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.740 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

Tgt Ion: 70 Resp: 18719

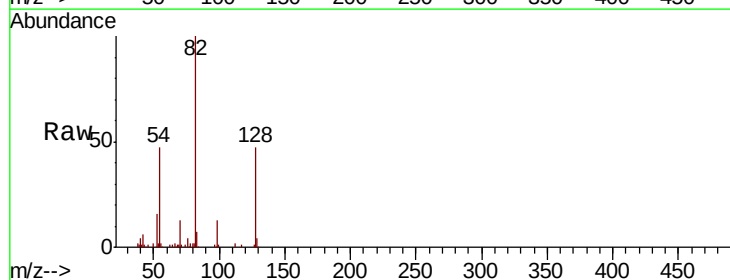
Ion Ratio Lower Upper

70 100

42 46.5 47.6 71.4#

101 0.0 7.9 11.9#

130 3.3 18.4 27.6#

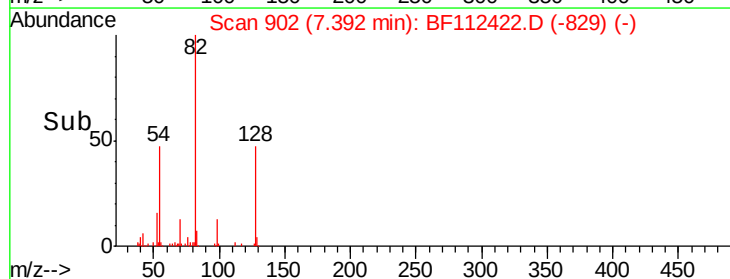
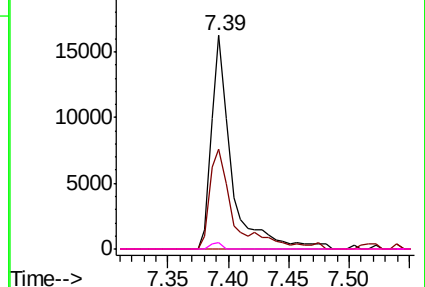


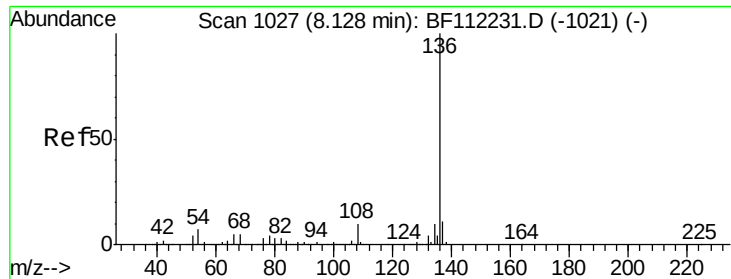
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

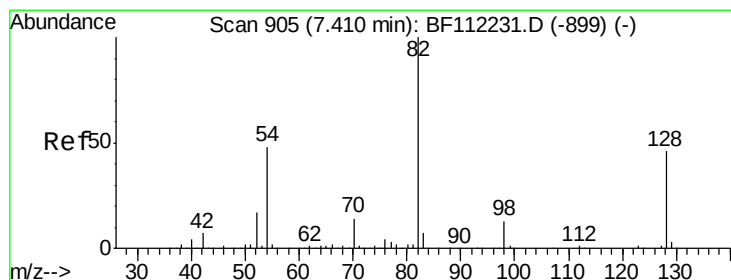
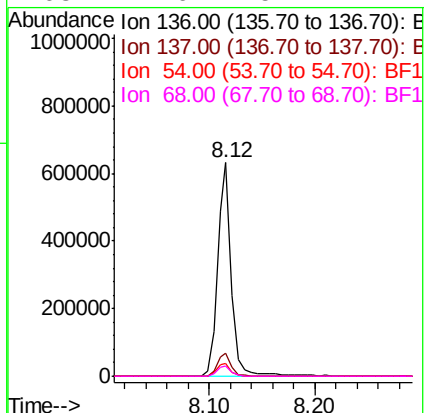
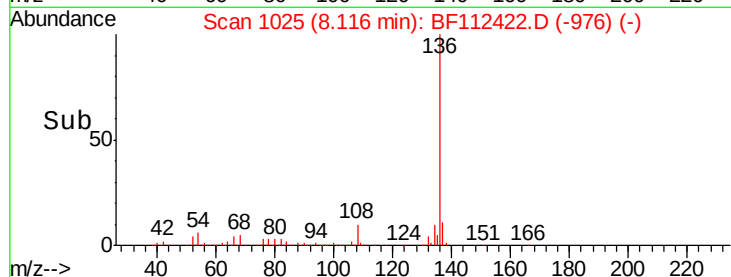
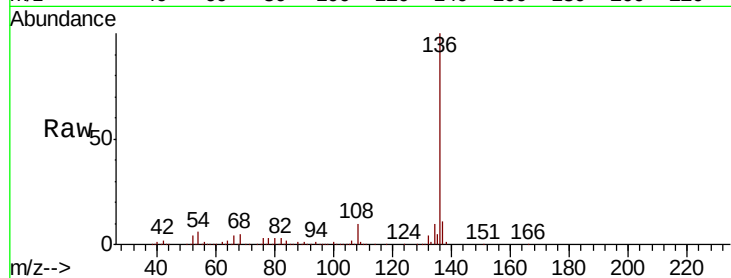




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

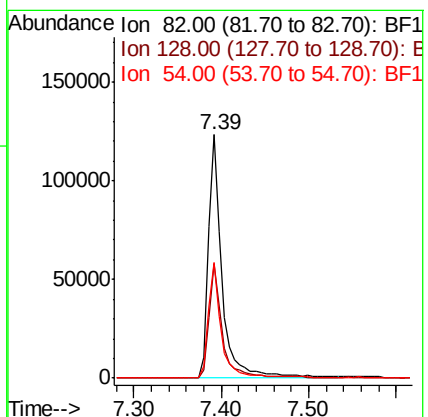
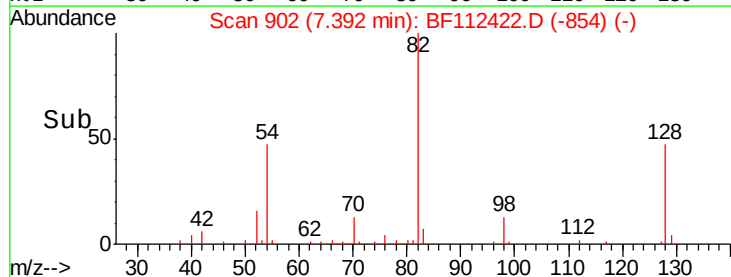
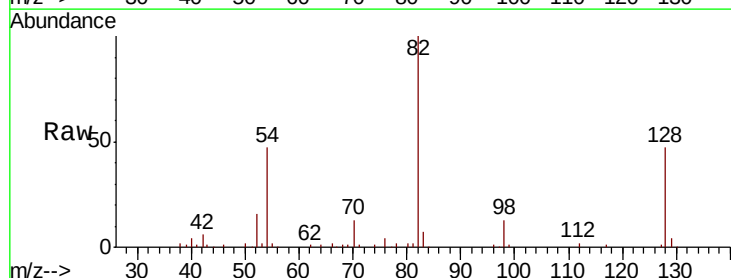
Instrument :
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ClientSampleId :
SU-01-020519-B

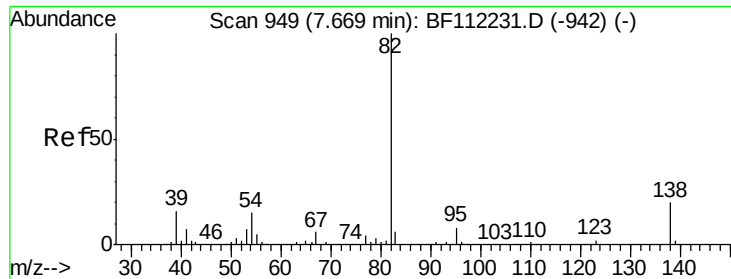
Tgt Ion:	136	Resp:	583228
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.0	5.9	8.9
68	4.6	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 13.368 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion:	82	Resp:	135309
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.8	56.8
54	47.4	39.7	59.5





#25

Isophorone

Concen: 8.521 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-B

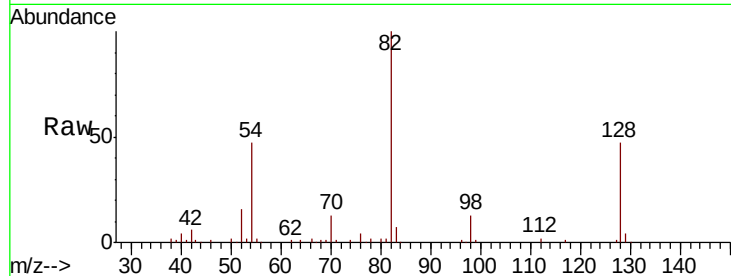
Tgt Ion: 82 Resp: 135307

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

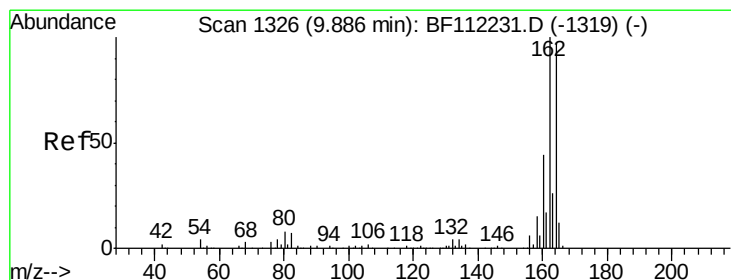
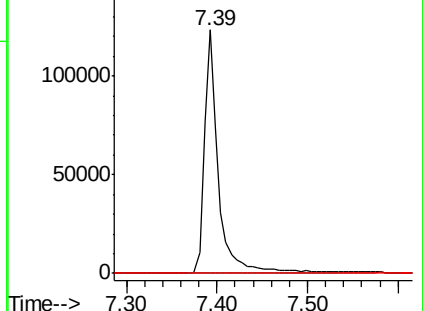
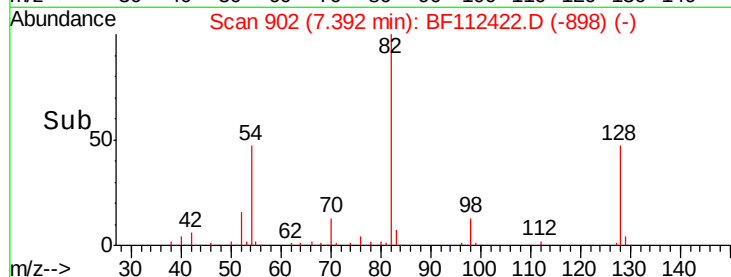
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

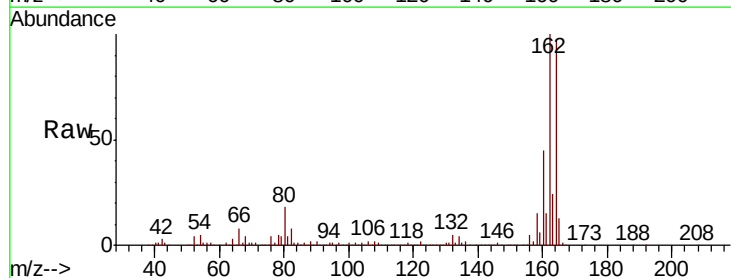
Tgt Ion: 164 Resp: 277309

Ion Ratio Lower Upper

164 100

162 103.2 82.2 123.4

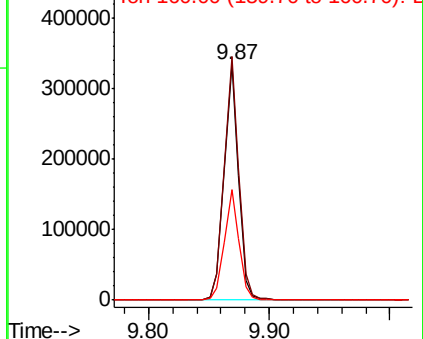
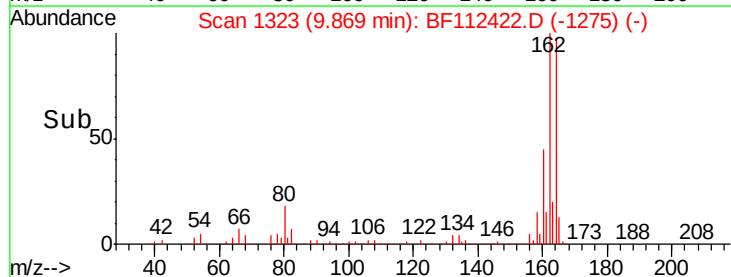
160 46.7 36.2 54.4

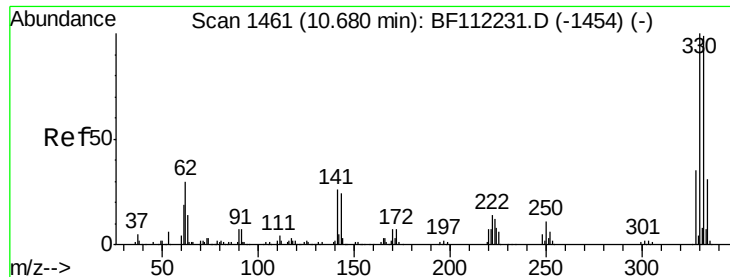


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 18.229 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

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ClientSampleId :

SU-01-020519-B

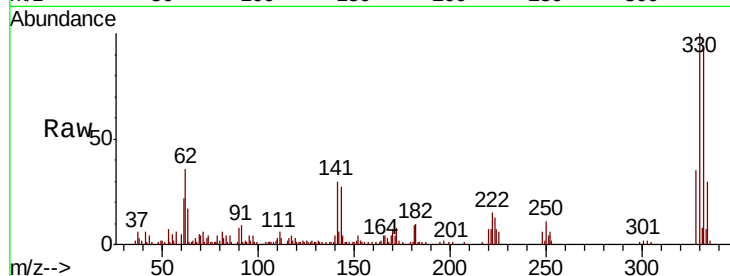
Tgt Ion:330 Resp: 58841

Ion Ratio Lower Upper

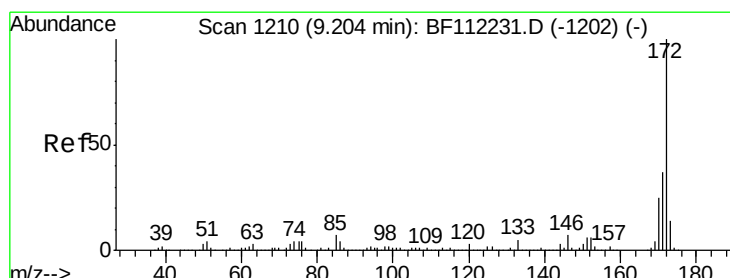
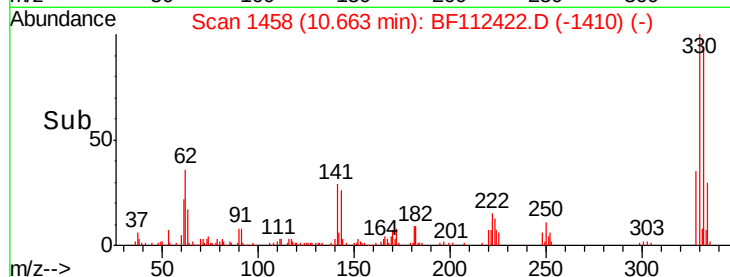
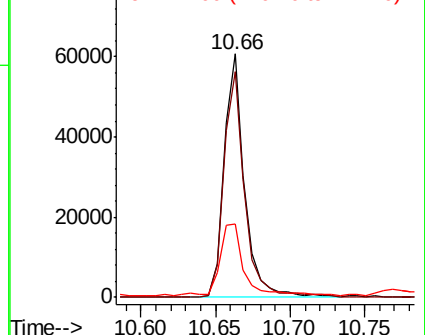
330 100

332 94.5 76.6 114.8

141 33.4 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: 14.033 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

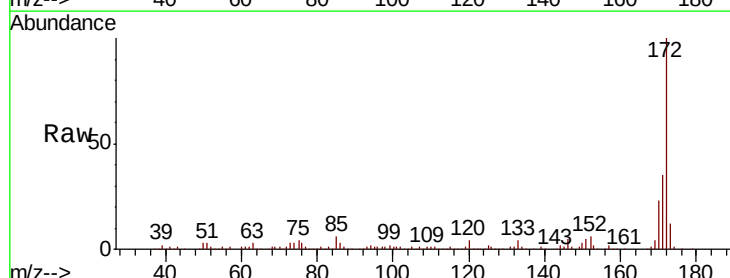
Tgt Ion:172 Resp: 275142

Ion Ratio Lower Upper

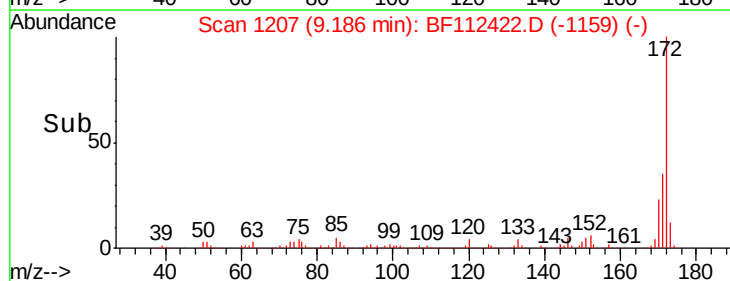
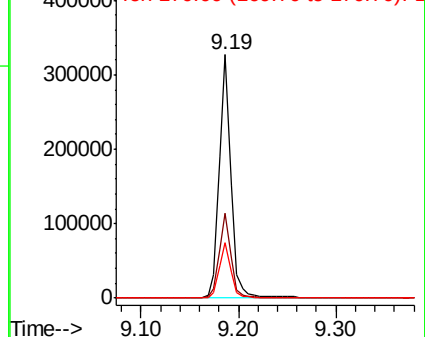
172 100

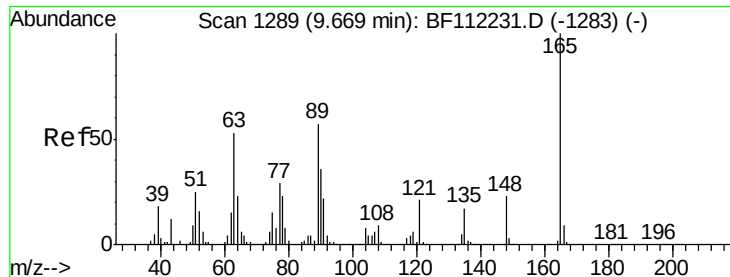
171 34.8 30.5 45.7

170 23.0 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

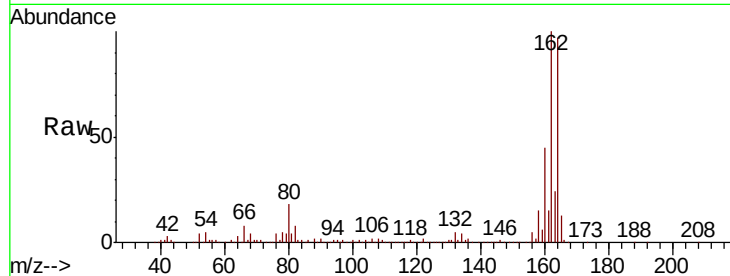




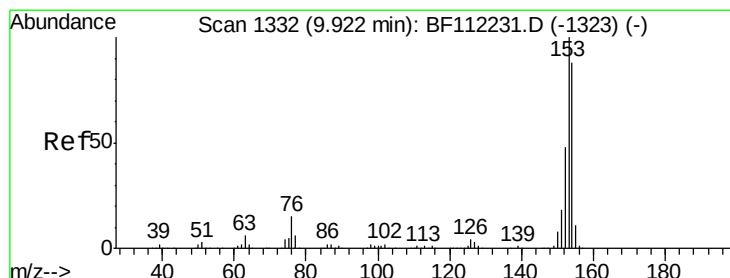
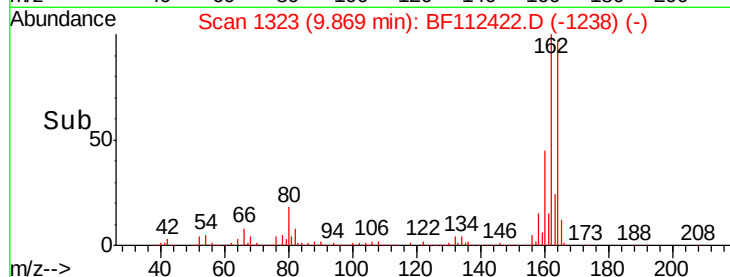
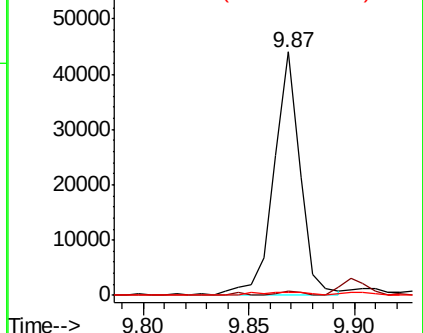
#51
2,6-Dinitrotoluene
Concen: 7.874 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-B

Tgt Ion:165 Resp: 37993
Ion Ratio Lower Upper
165 100
63 1.8 33.8 50.8#
89 1.4 36.9 55.3#

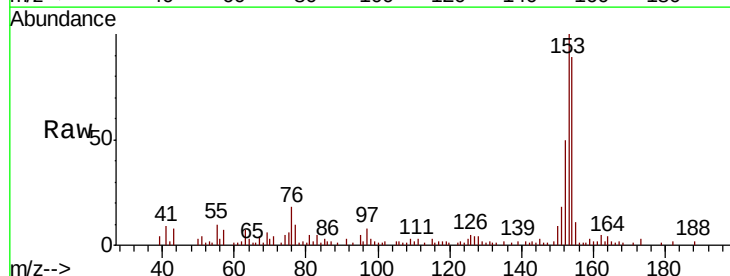


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

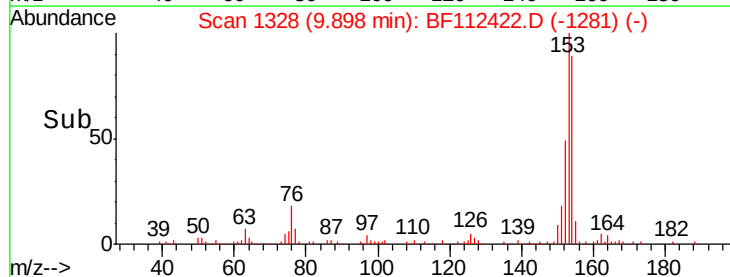
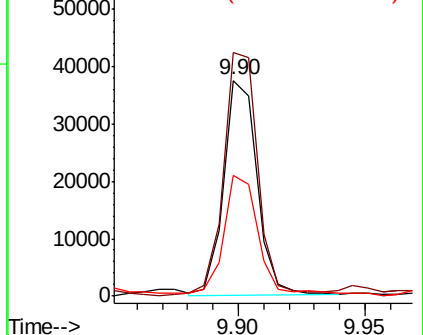


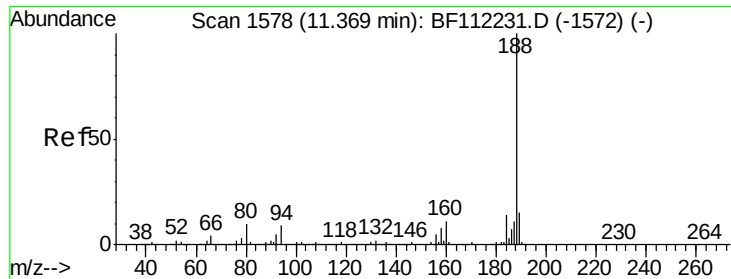
#52
Acenaphthene
Concen: 2.069 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion:154 Resp: 34061
Ion Ratio Lower Upper
154 100
153 112.7 89.8 134.6
152 55.9 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

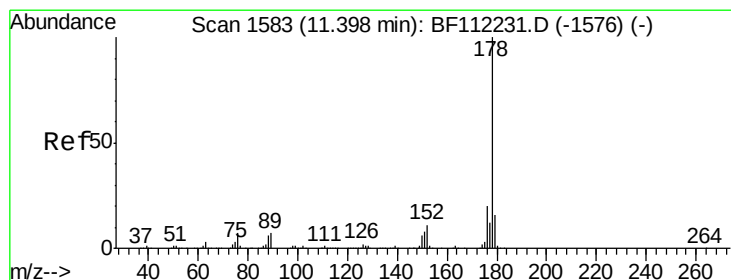
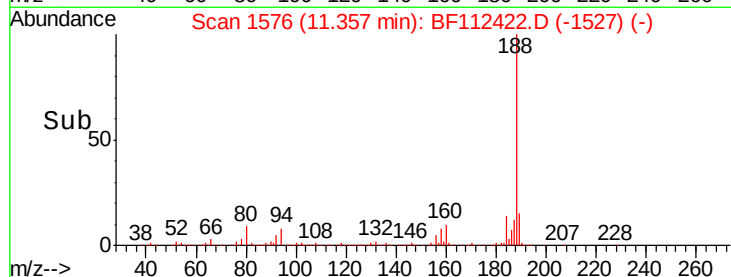
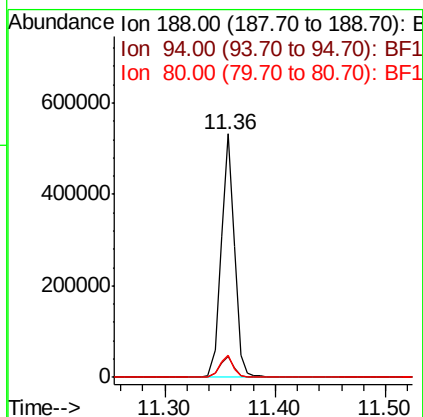
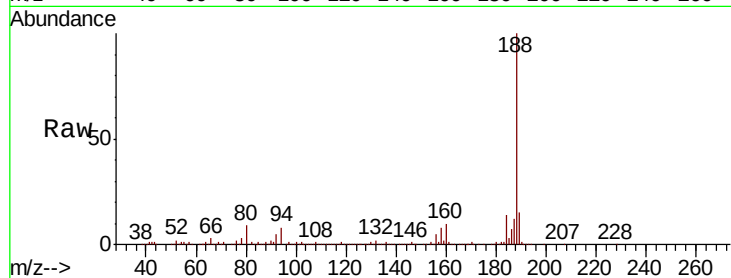




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

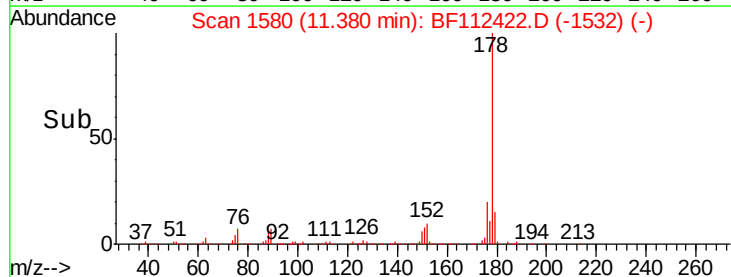
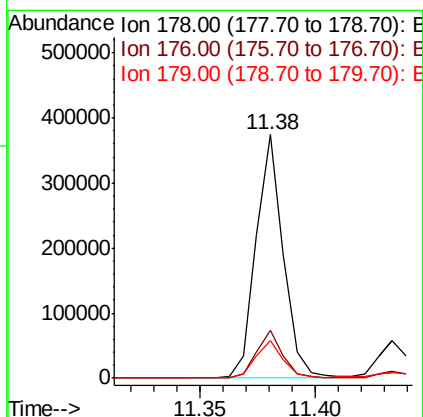
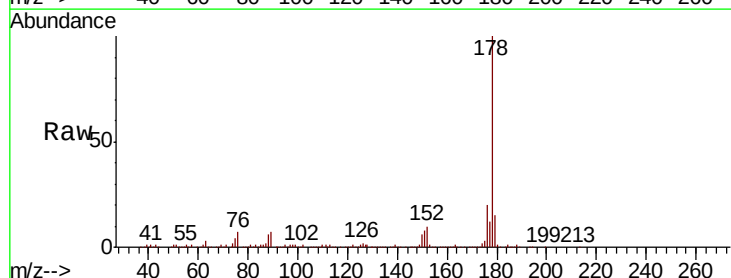
Instrument :
BNA_F
ClientSampleId :
SU-01-020519-B

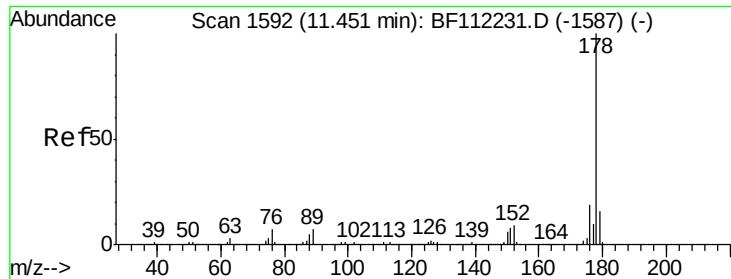
Tgt Ion:188 Resp: 449898
Ion Ratio Lower Upper
188 100
94 8.4 8.2 12.2
80 9.2 8.9 13.3



#71
Phenanthrene
Concen: 13.270 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion:178 Resp: 310372
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 15.2 13.0 19.4





#72

Anthracene

Concen: 2.149 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-B

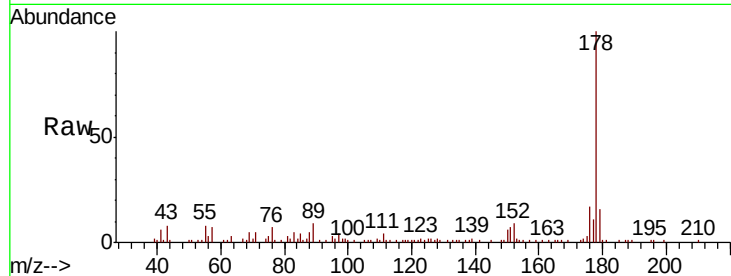
Tgt Ion:178 Resp: 50062

Ion Ratio Lower Upper

178 100

176 17.3 15.5 23.3

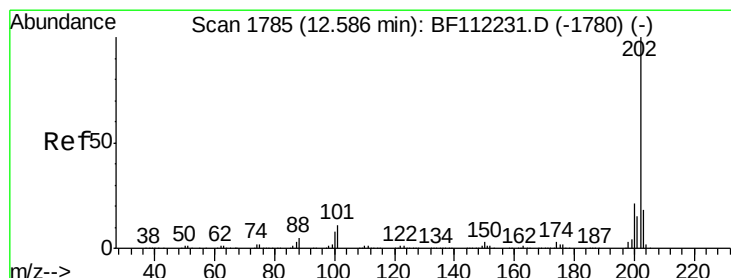
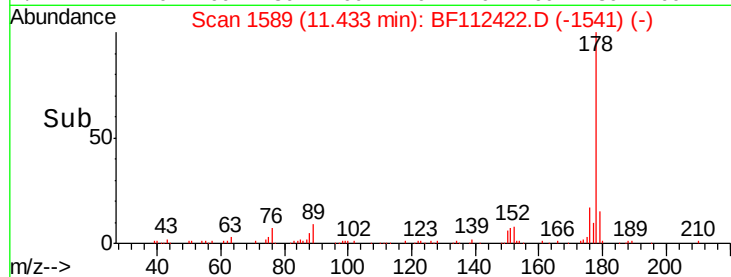
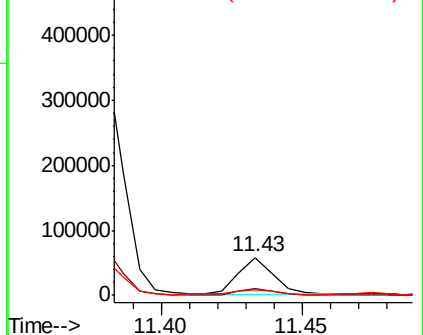
179 15.6 12.8 19.2



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: 15.092 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

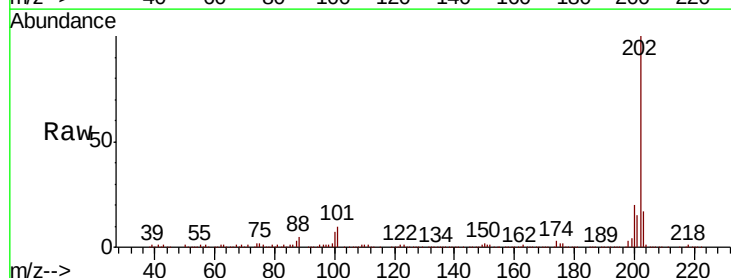
Tgt Ion:202 Resp: 378614

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.8

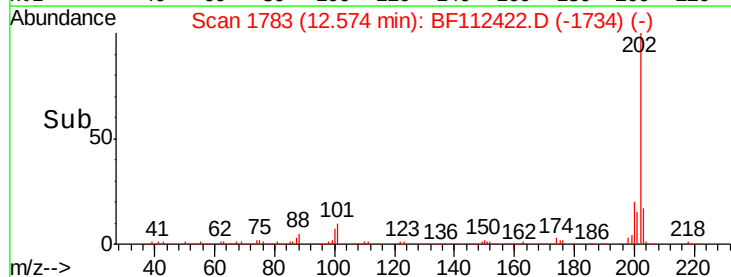
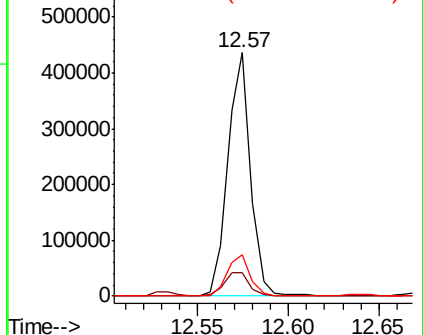
203 17.1 0.0 38.4

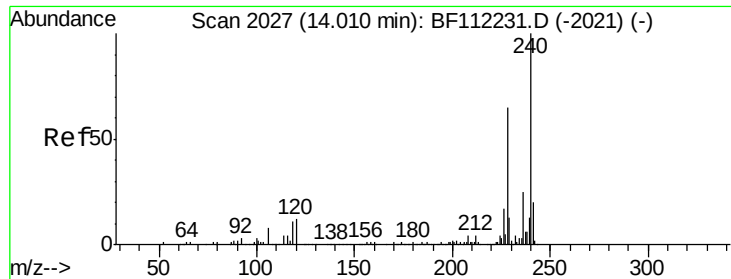


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

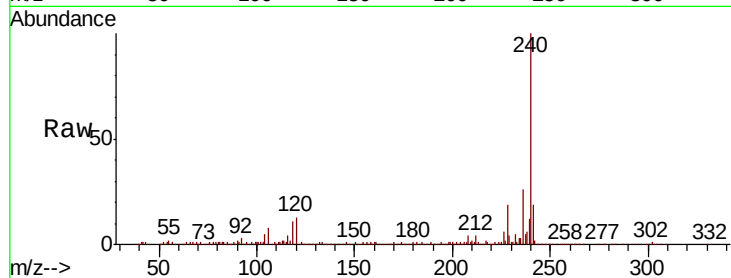




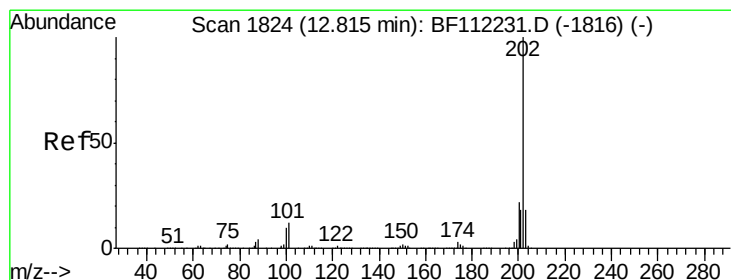
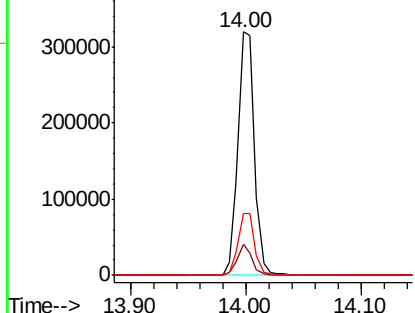
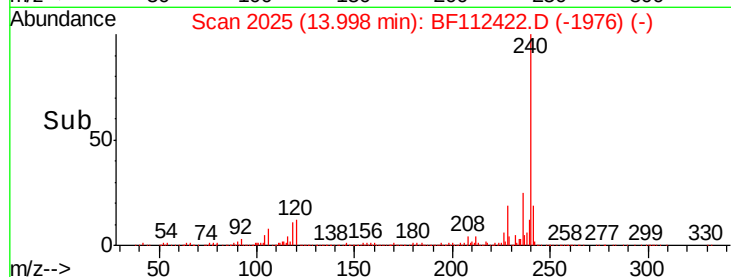
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-B

Tgt Ion: 240 Resp: 320622
Ion Ratio Lower Upper
240 100
120 12.6 9.0 13.6
236 25.7 20.7 31.1

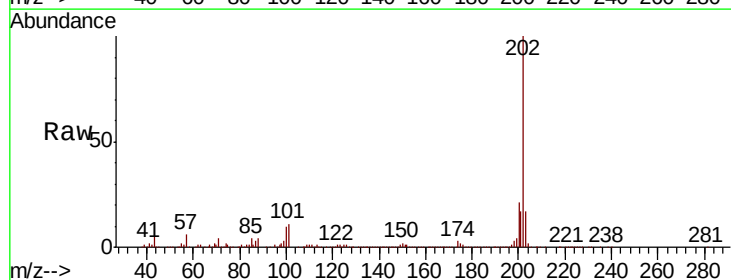


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

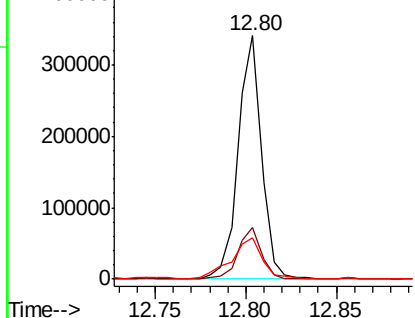
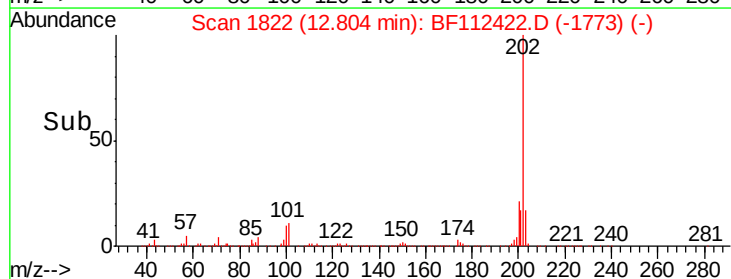


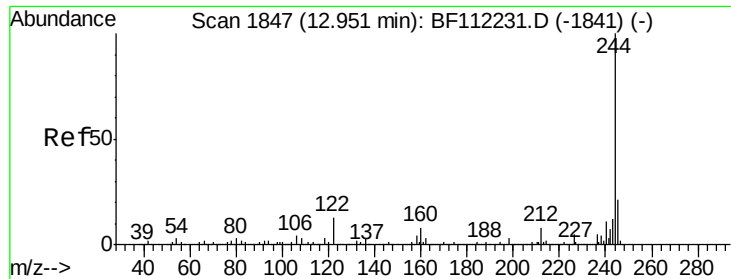
#78
Pyrene
Concen: 13.684 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion: 202 Resp: 303748
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.0 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: 11.902 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-B

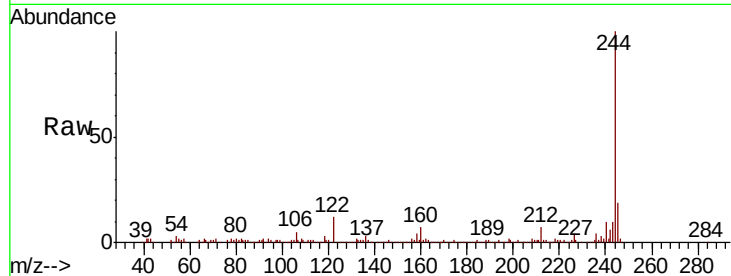
Tgt Ion:244 Resp: 202617

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

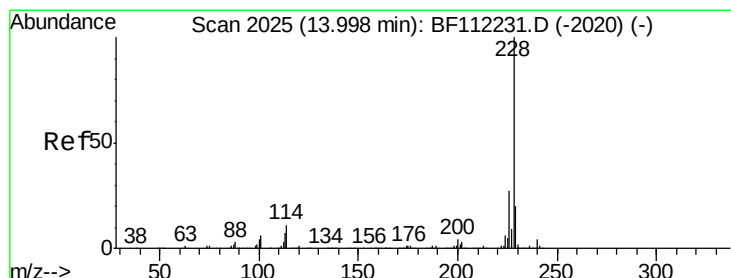
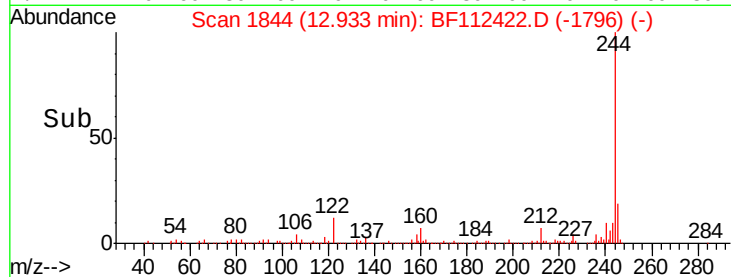
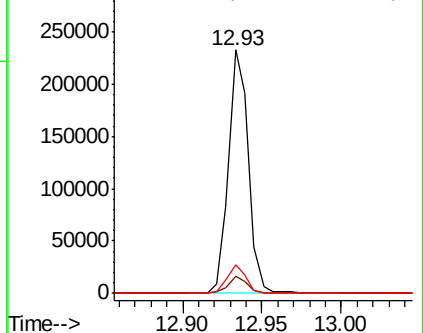
122 11.8 9.8 14.6



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: 7.021 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

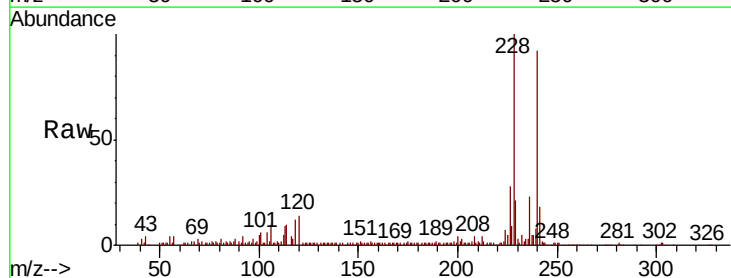
Tgt Ion:228 Resp: 132339

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

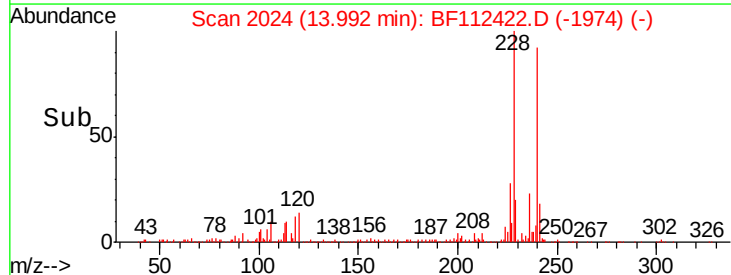
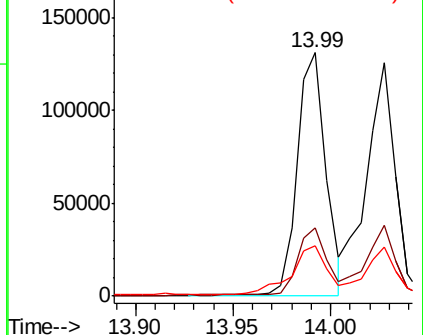
229 20.6 16.5 24.7

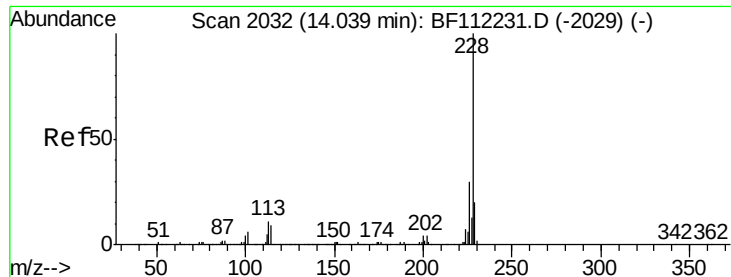


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.213 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-B

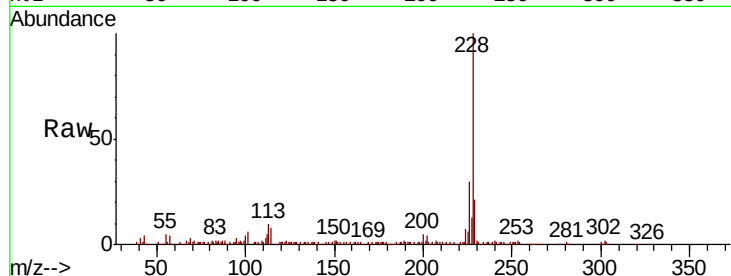
Tgt Ion: 228 Resp: 129776

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

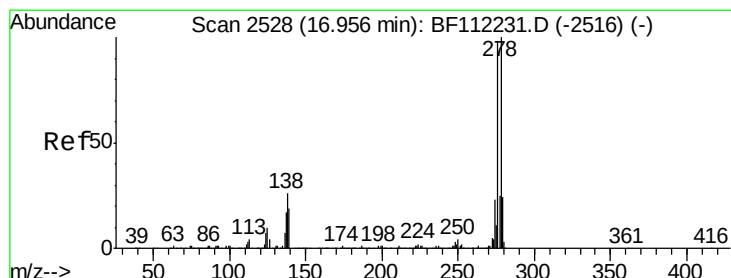
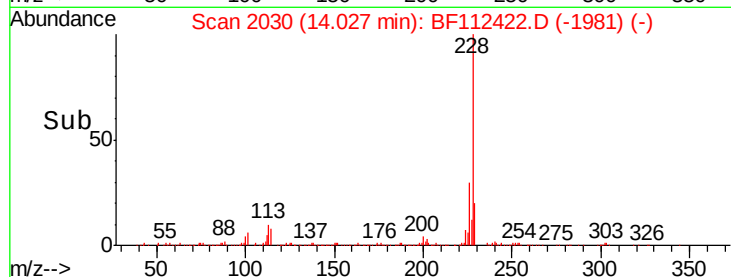
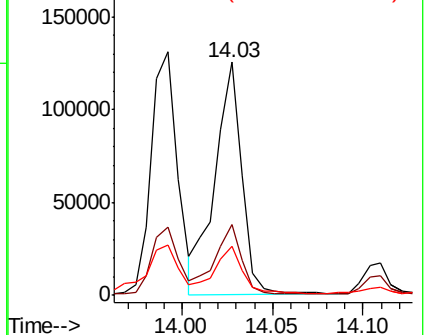
229 20.9 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.278 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF112422.D

Acq: 6 Feb 2019 16:16

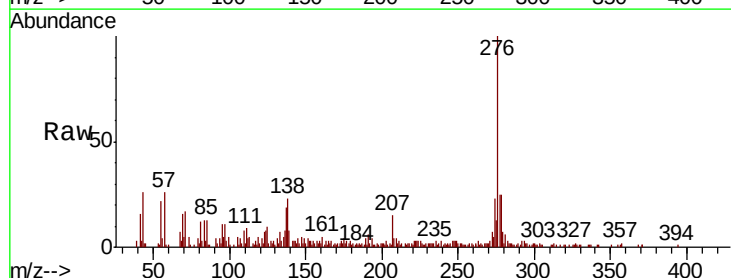
Tgt Ion: 276 Resp: 60988

Ion Ratio Lower Upper

276 100

138 23.2 22.6 34.0

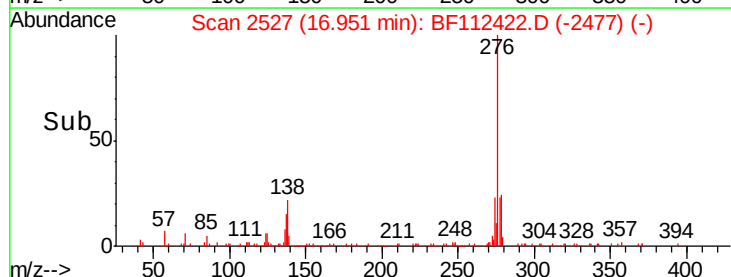
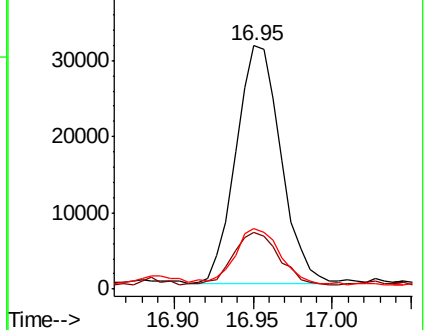
277 23.5 20.3 30.5

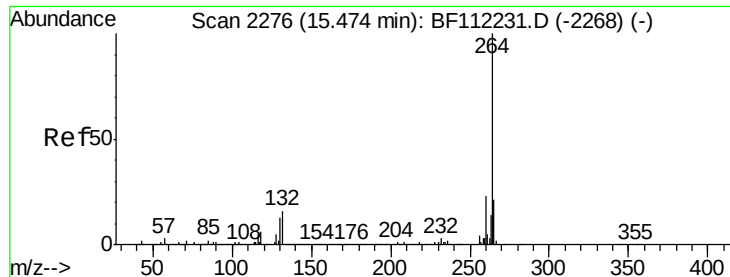


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

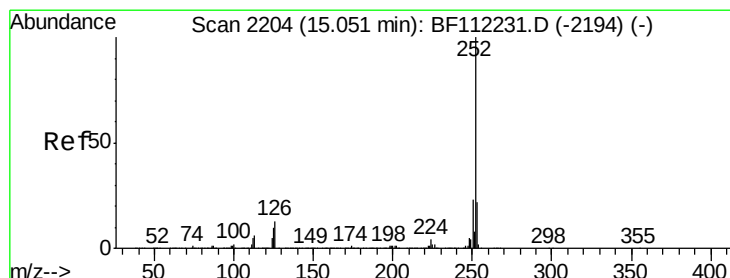
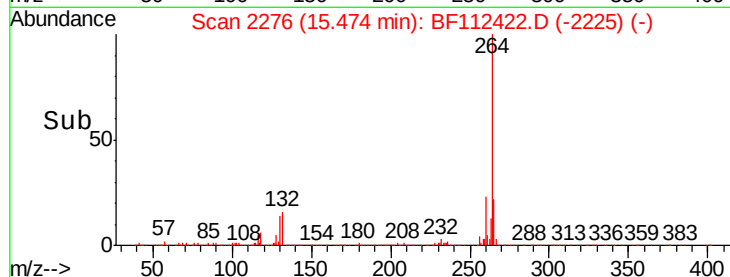
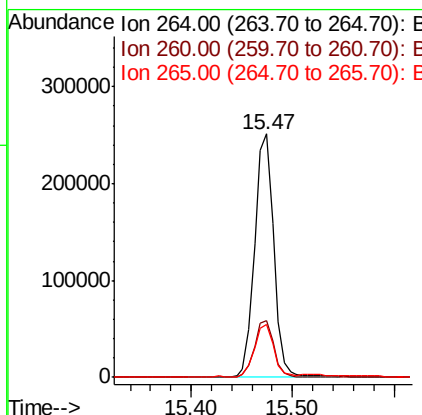
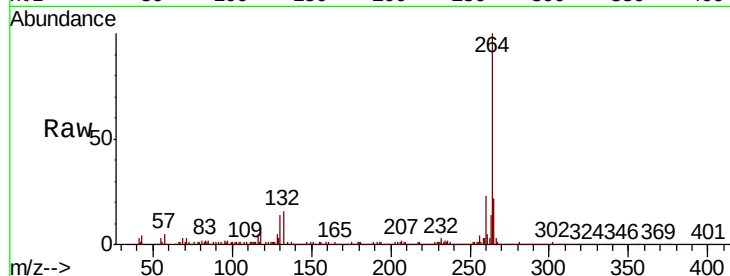




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

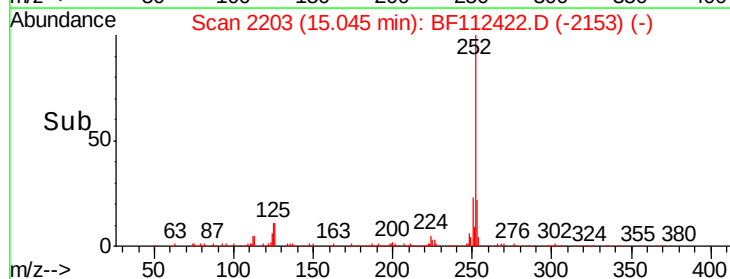
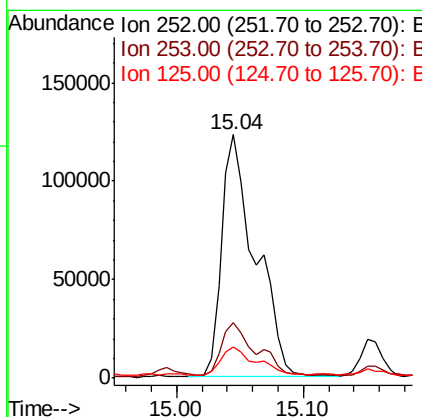
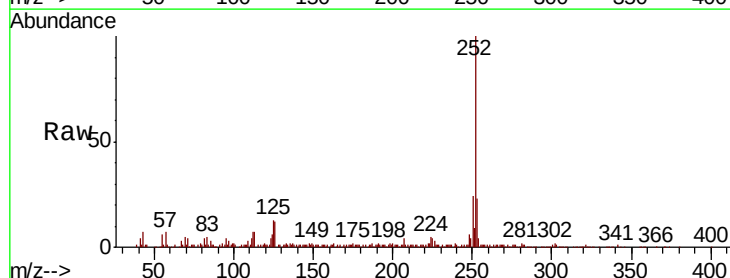
Instrument :
BNA_F
ClientSampleId :
SU-01-020519-B

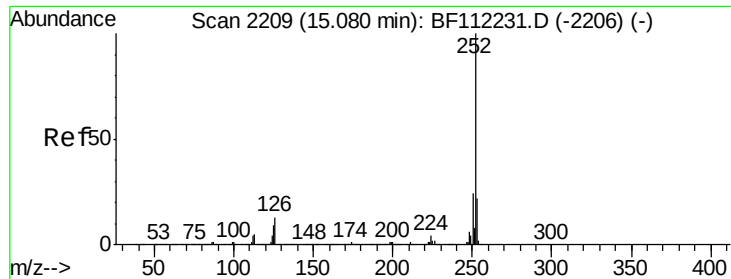
Tgt Ion:264 Resp: 330604
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.2
265 21.9 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 11.531 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion:252 Resp: 227978
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 12.9 8.7 13.1

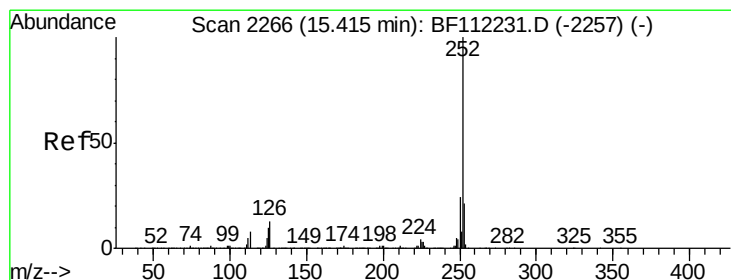
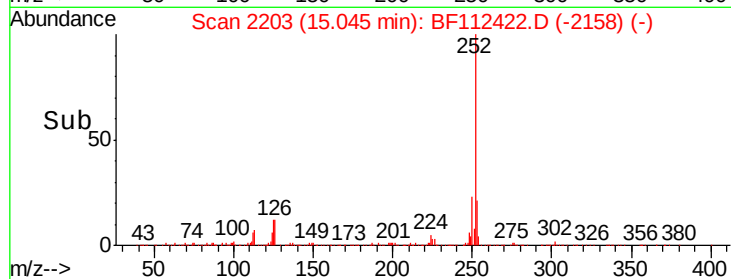
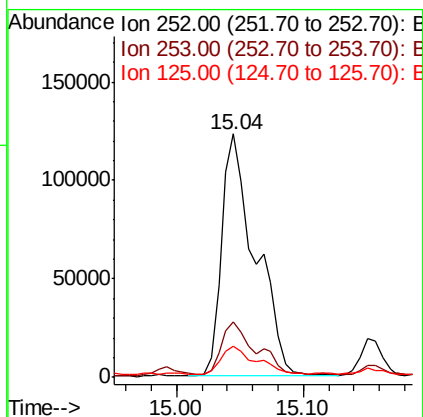
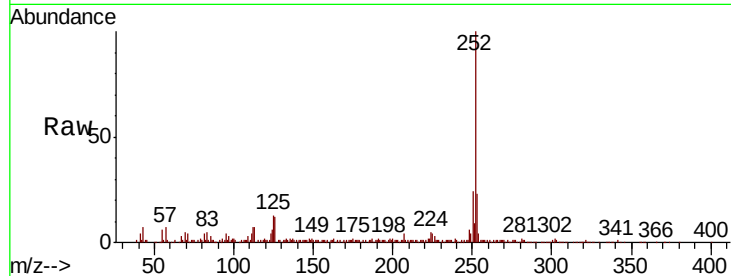




#89
Benzo(k)fluoranthene
Concen: 12.038 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

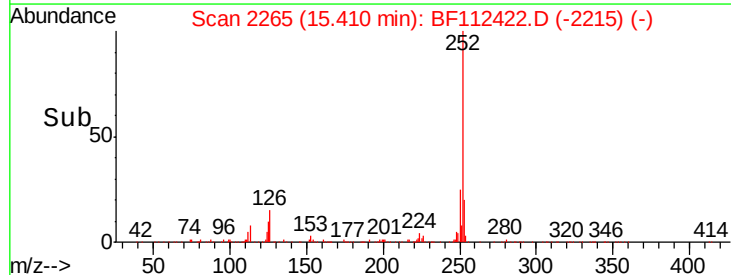
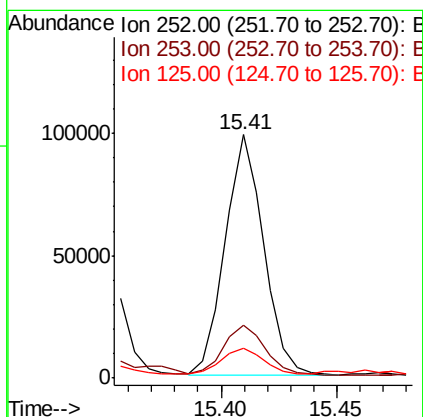
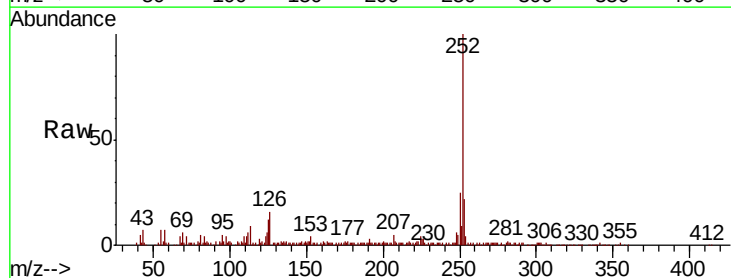
Instrument :
BNA_F
ClientSampleId :
SU-01-020519-B

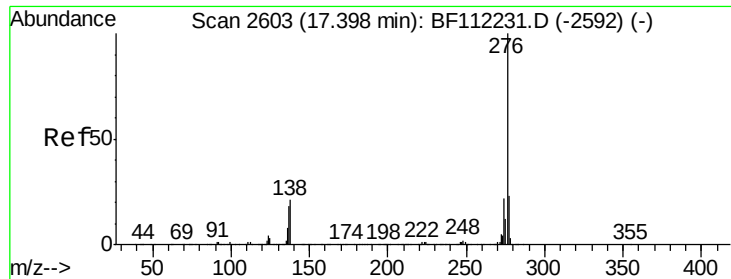
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.9	9.1	13.7



#90
Benzo(a)pyrene
Concen: 6.411 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112422.D
Acq: 6 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	12.4	9.0	13.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.160 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: BF112422.D
 Acq: 6 Feb 2019 16:16

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-B

Tgt Ion:	276	Resp:	56277
Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.4	29.0
138	23.3	19.1	28.7

