

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112517.D
 Acq On : 12 Feb 2019 19:58
 Operator : JU/SJ
 Sample : K1343-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 13 03:40:12 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	103104	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	373478	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	150897	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	240827	20.00	ng	0.00
76) Chrysene-d12	14.01	240	226415	20.00	ng	0.00
87) Perylene-d12	15.49	264	163009	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	310909	64.05	ng	-0.01
7) Phenol-d6	6.49	99	386606	57.32	ng	0.00
23) Nitrobenzene-d5	7.40	82	235736	36.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	81482	46.39	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	441218	41.35	ng	-0.01
79) Terphenyl-d14	12.94	244	365953	30.44	ng	0.00

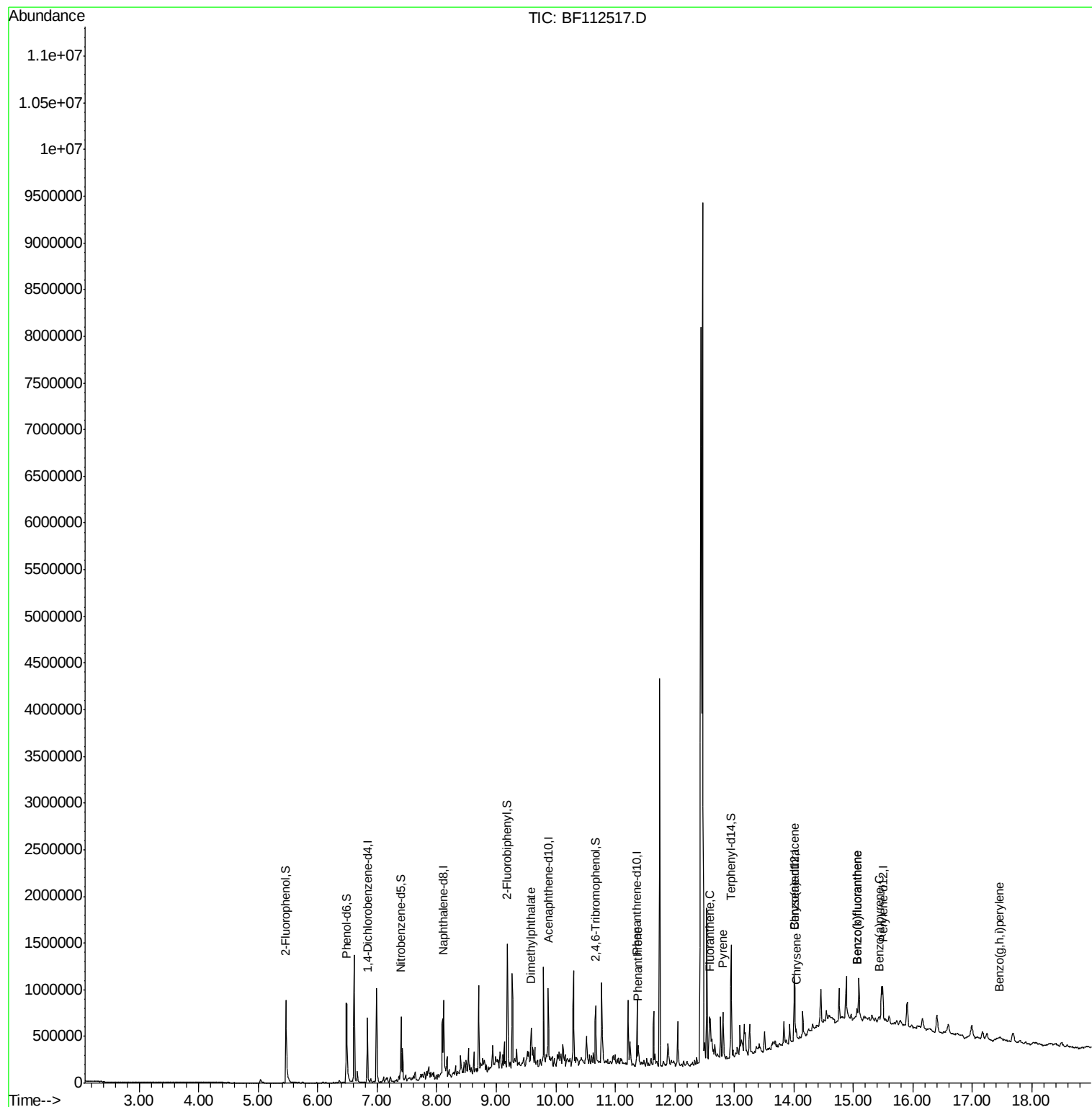
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	37031	3.159	ng	# 98
71) Phenanthrene	11.39	178	64261	5.133	ng	97
75) Fluoranthene	12.58	202	93478	6.961	ng	98
78) Pyrene	12.82	202	93004	5.933	ng	98
81) Benzo(a)anthracene	14.00	228	44219	3.322	ng	# 96
83) Chrysene	14.04	228	45580	3.588	ng	# 94
88) Benzo(b)fluoranthene	15.06	252	54019	5.541	ng	# 68
89) Benzo(k)fluoranthene	15.06	252	53842	5.766	ng	# 68
90) Benzo(a)pyrene	15.43	252	26904	3.067	ng	# 78
92) Benzo(g,h,i)perylene	17.45	276	16188	2.427	ng	# 74

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

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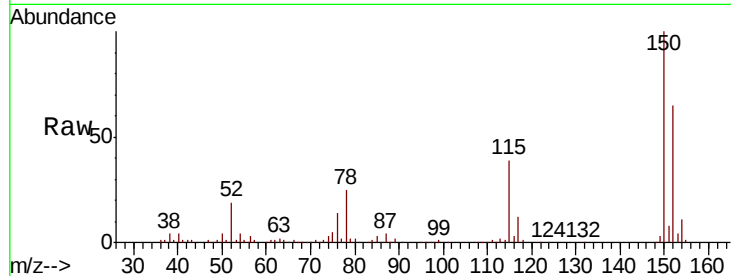


#1

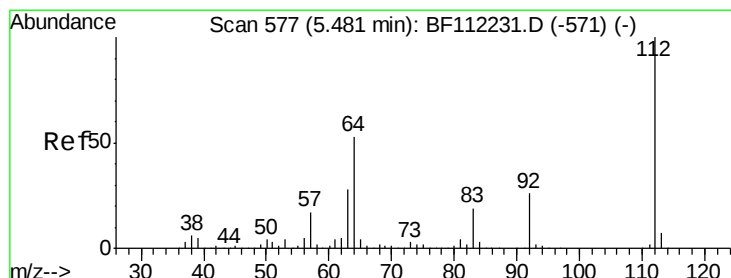
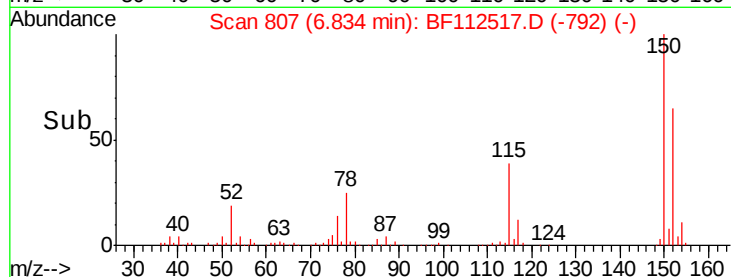
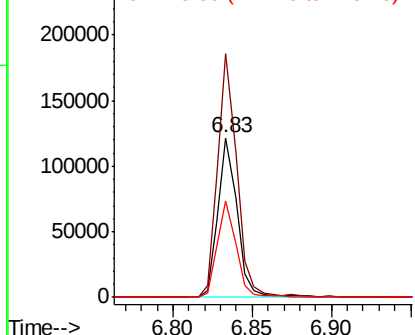
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

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

Tgt Ion:152 Resp: 103104
Ion Ratio Lower Upper
152 100
150 153.0 127.4 191.0
115 60.4 45.5 68.3



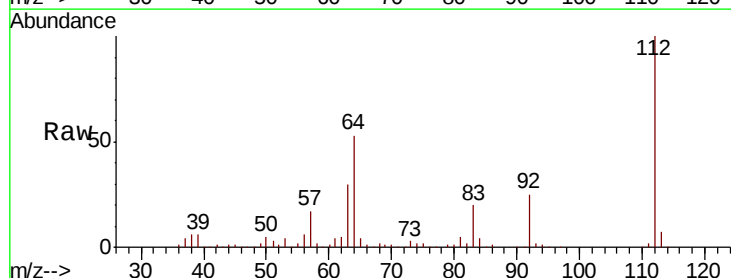
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



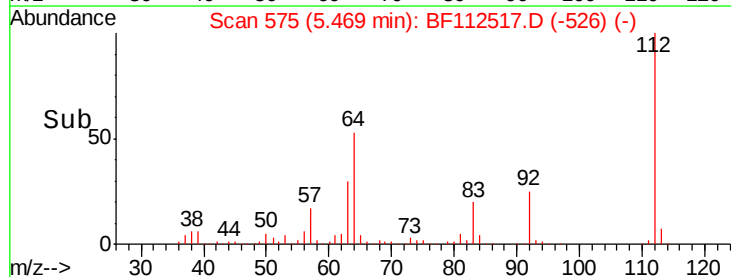
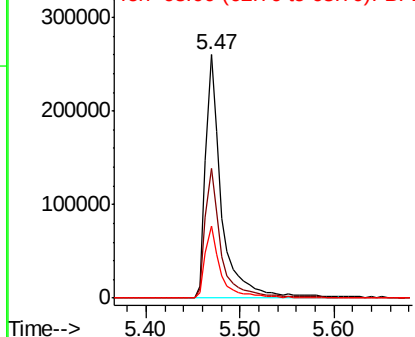
#5

2-Fluorophenol
Concen: 64.051 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion:112 Resp: 310909
Ion Ratio Lower Upper
112 100
64 53.4 45.7 68.5
63 29.7 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: 57.317 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-G

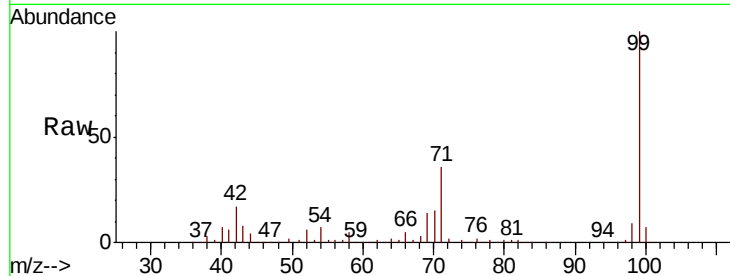
Tgt Ion: 99 Resp: 386606

Ion Ratio Lower Upper

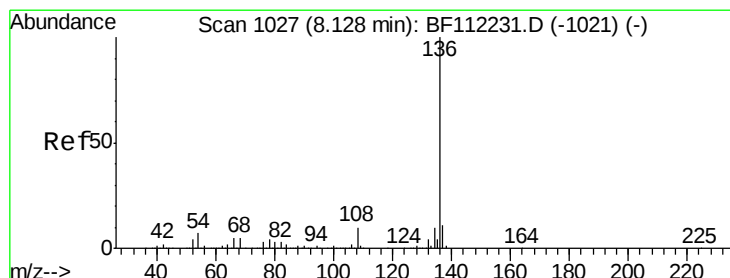
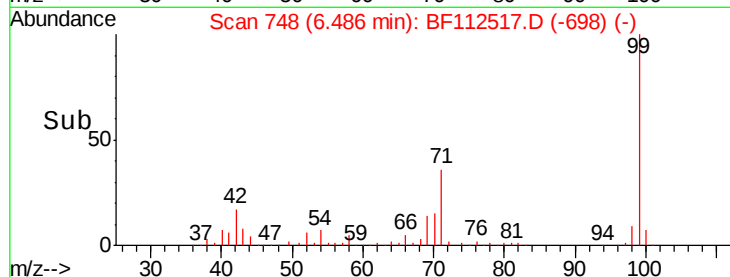
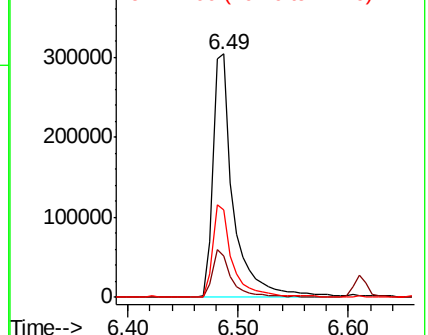
99 100

42 17.0 15.1 22.7

71 35.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Tgt Ion: 136 Resp: 373478

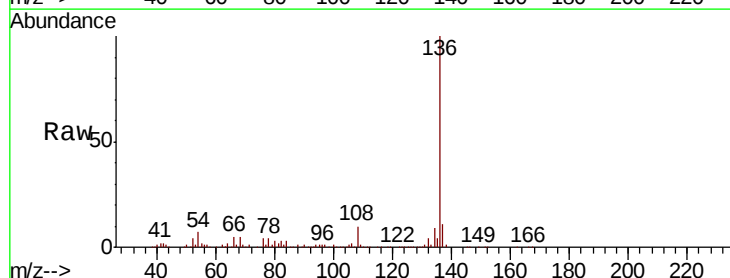
Ion Ratio Lower Upper

136 100

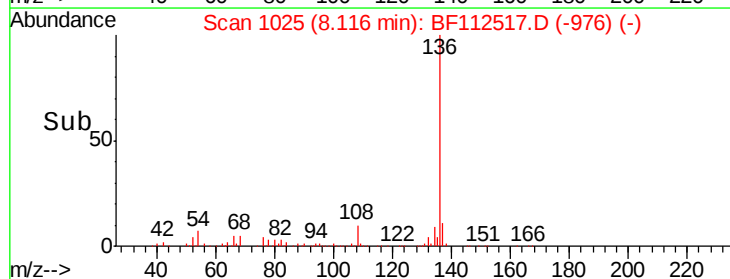
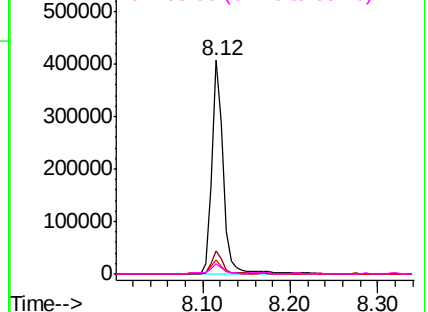
137 10.8 9.1 13.7

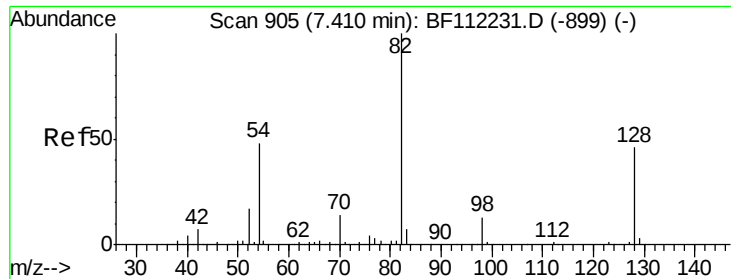
54 6.8 5.9 8.9

68 5.0 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

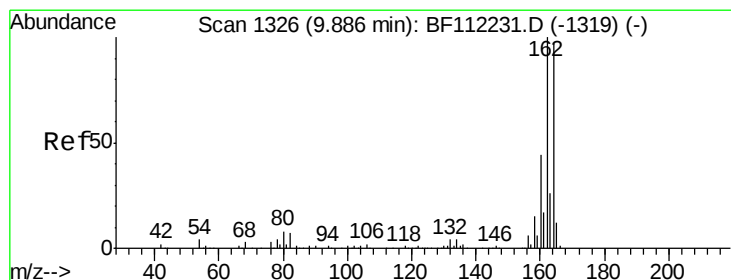
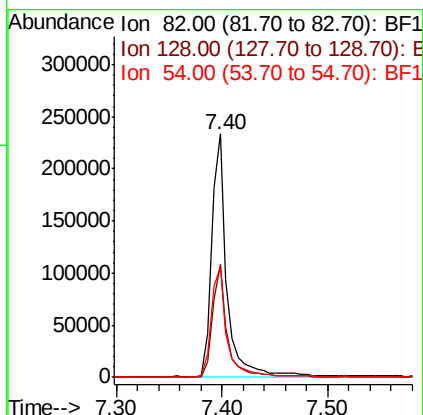
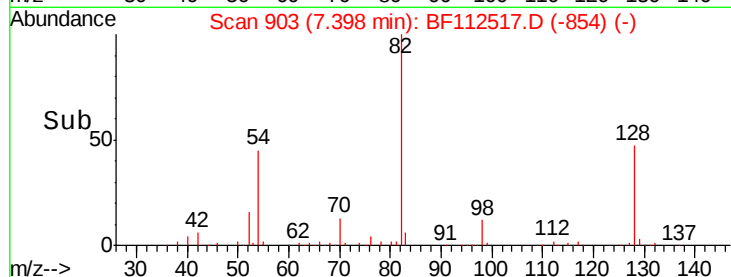
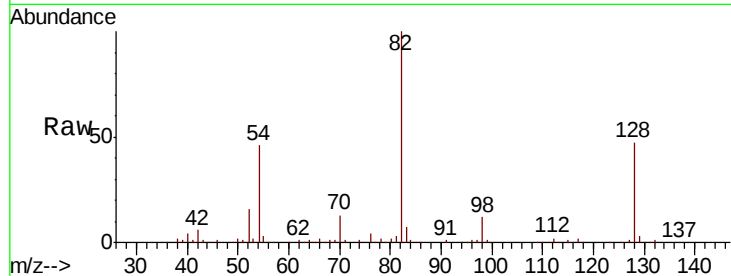




#23
Nitrobenzene-d5
Concen: 36.369 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

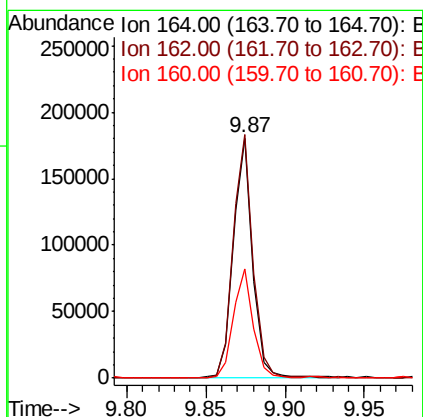
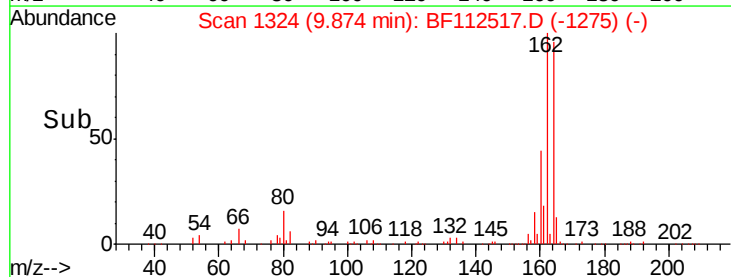
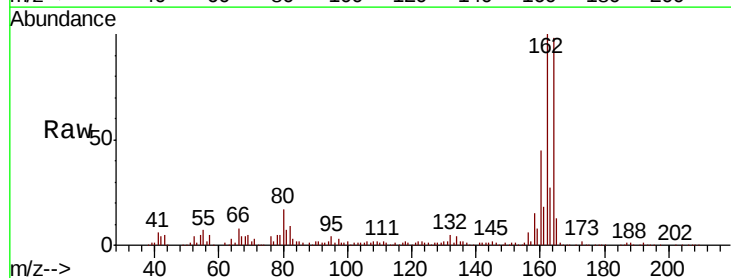
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tgt Ion: 82 Resp: 235736
Ion Ratio Lower Upper
82 100
128 46.6 37.8 56.8
54 45.5 39.7 59.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion: 164 Resp: 150897
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.4
160 45.4 36.2 54.4

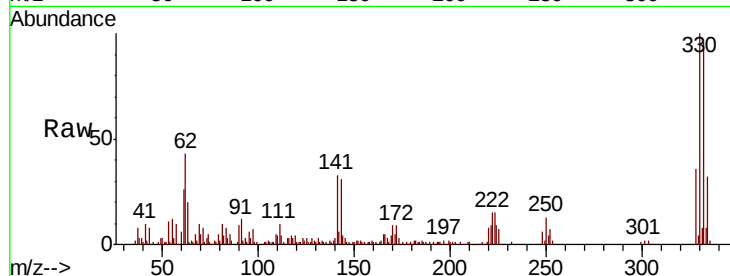




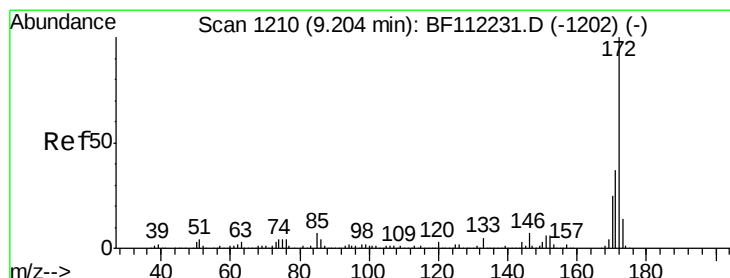
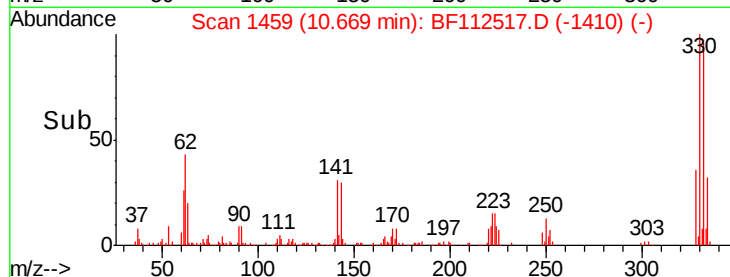
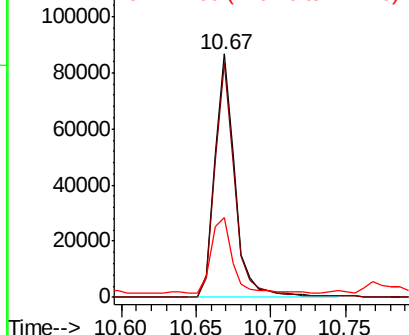
#42
 2,4,6-Tribromophenol
 Concen: 46.392 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112517.D
 Acq: 12 Feb 2019 19:58

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

Tgt Ion:330 Resp: 81482
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 32.6 24.3 36.5

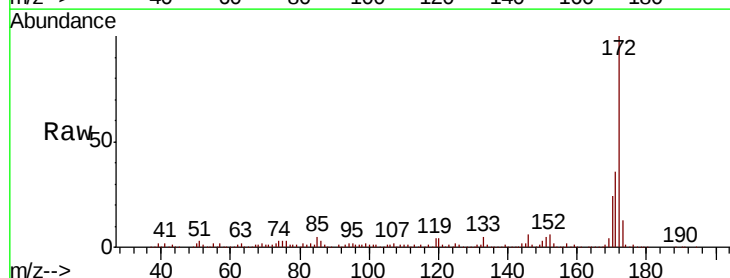


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

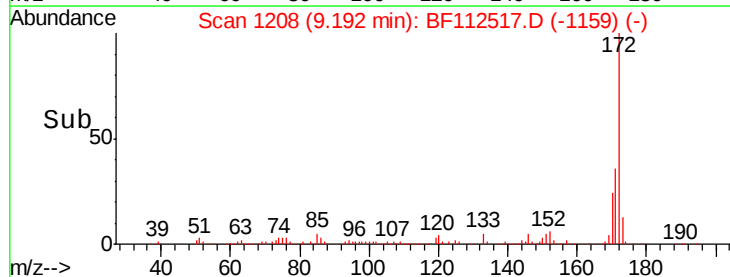
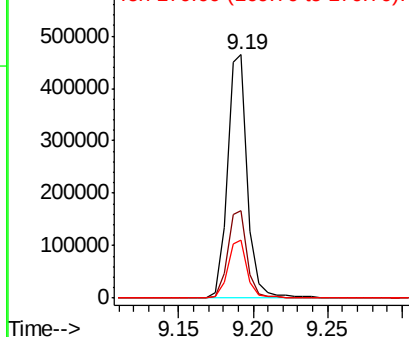


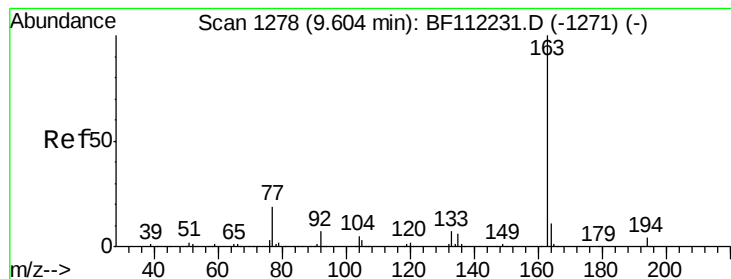
#45
 2-Fluorobiphenyl
 Concen: 41.355 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112517.D
 Acq: 12 Feb 2019 19:58

Tgt Ion:172 Resp: 441218
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.5 45.7
 170 23.8 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





#50

Dimethylphthalate

Concen: 3.159 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-G

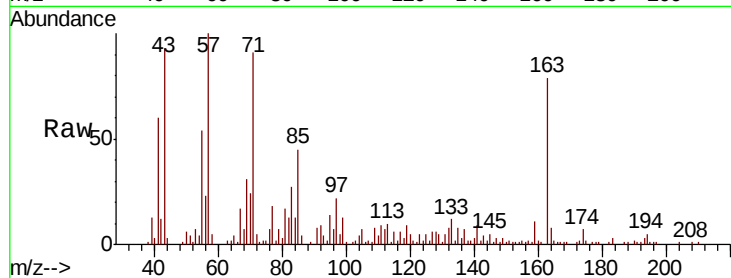
Tgt Ion:163 Resp: 37031

Ion Ratio Lower Upper

163 100

194 6.3 3.3 4.9#

164 10.6 8.5 12.7

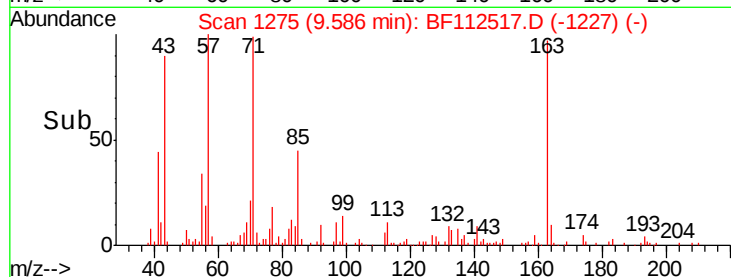


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

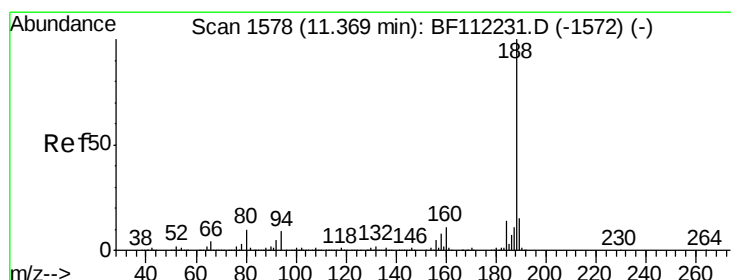
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

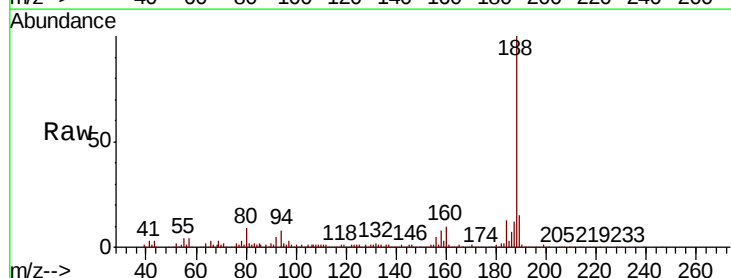
Tgt Ion:188 Resp: 240827

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

80 8.9 8.9 13.3

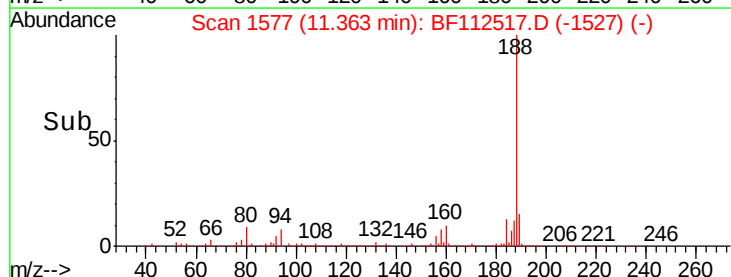


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

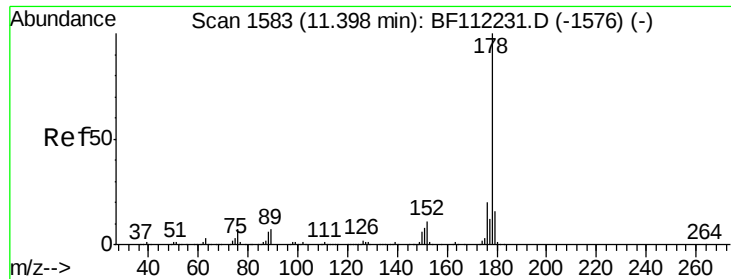
Ion 80.00 (79.70 to 80.70): BF1

Time-->



Abundance

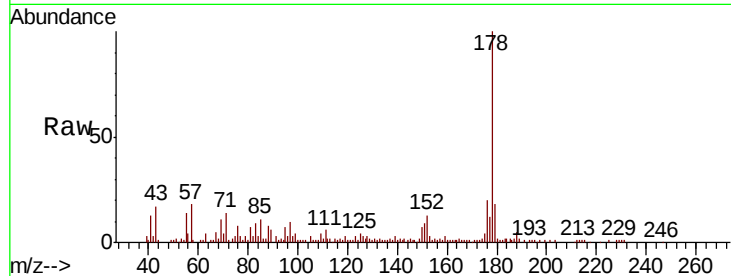
Time-->



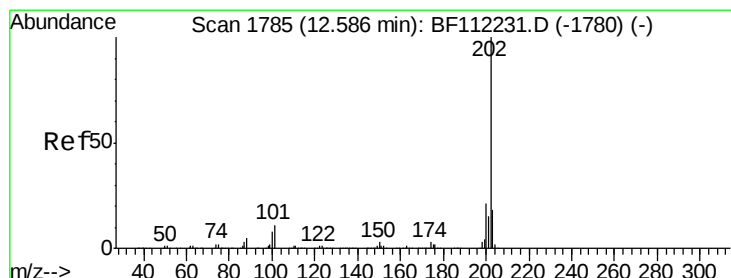
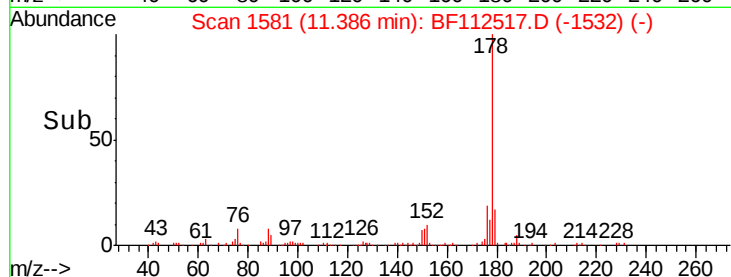
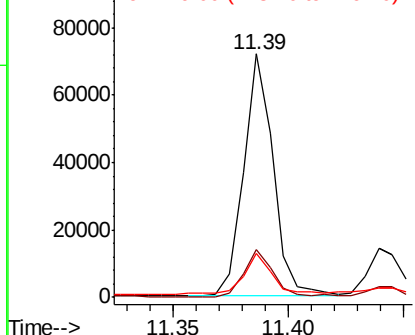
#71
Phenanthrene
Concen: 5.133 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

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

Tgt Ion:178 Resp: 64261
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 18.0 13.0 19.4

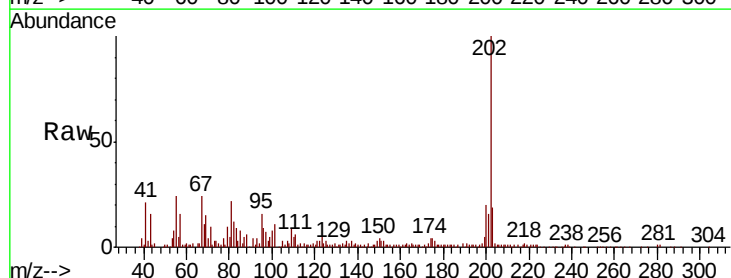


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

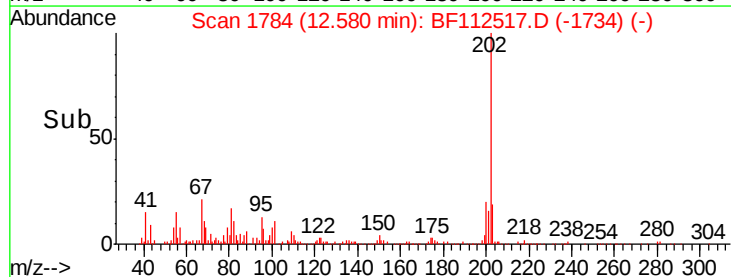
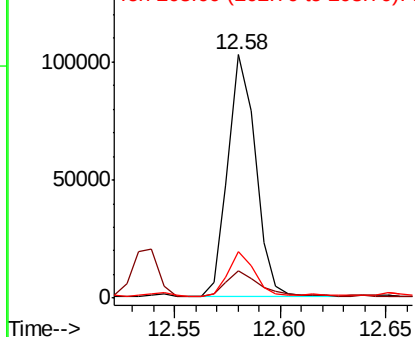


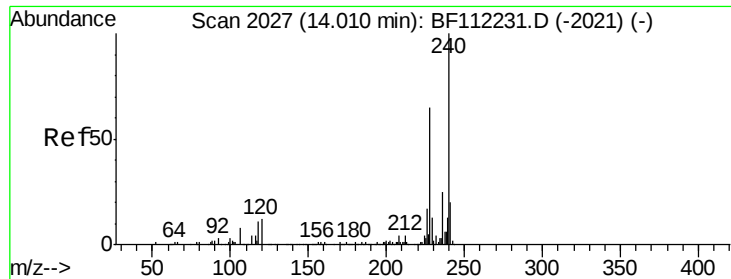
#75
Fluoranthene
Concen: 6.961 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion:202 Resp: 93478
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 19.3 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

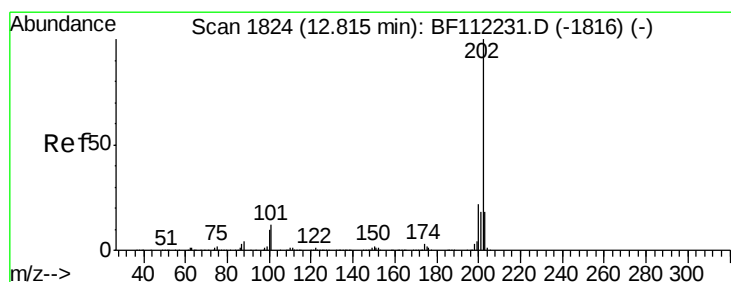
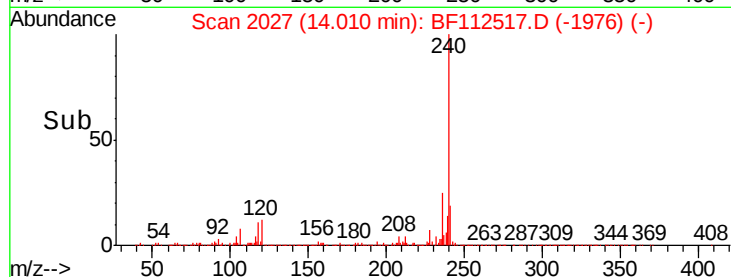
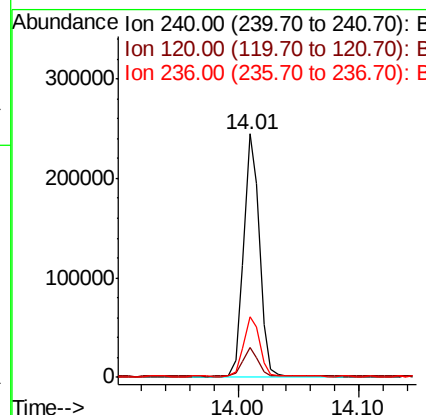
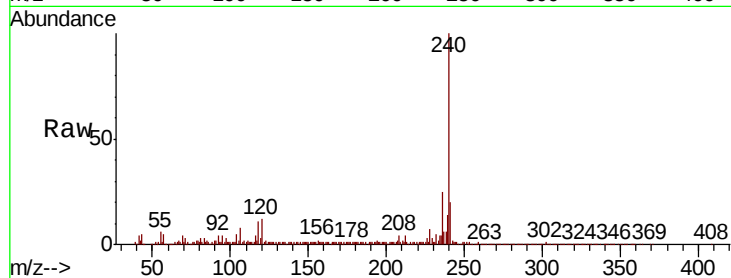




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

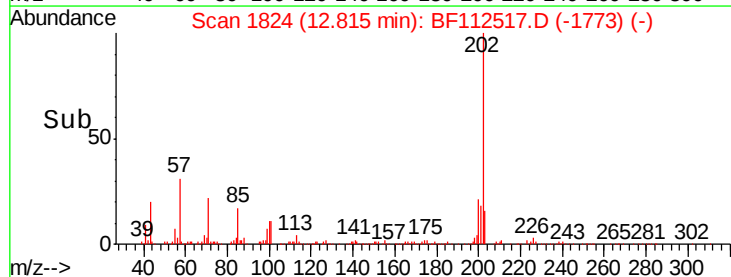
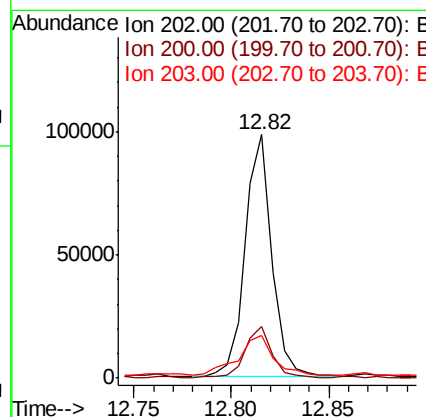
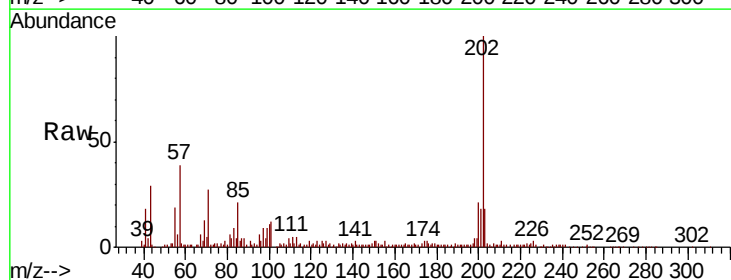
Instrument :
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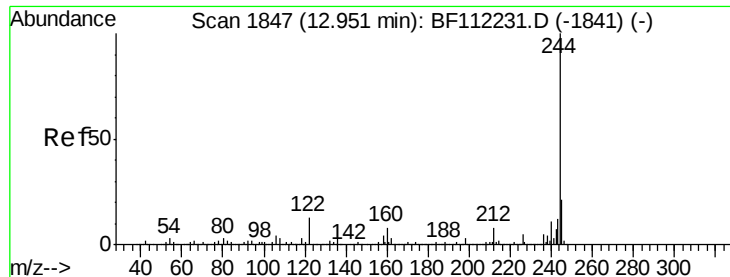
Tgt Ion:240 Resp: 226415
Ion Ratio Lower Upper
240 100
120 12.2 9.0 13.6
236 25.0 20.7 31.1



#78
Pyrene
Concen: 5.933 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion:202 Resp: 93004
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.7 14.6 22.0





#79

Terphenyl-d14

Concen: 30.442 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-G

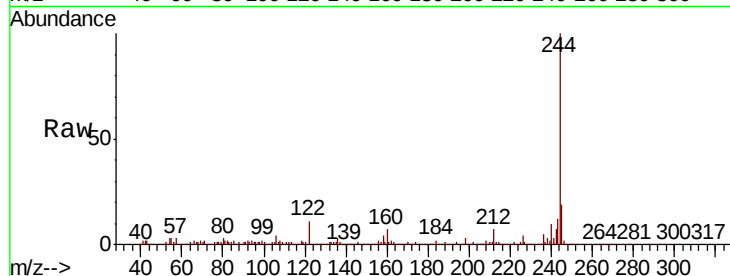
Tgt Ion:244 Resp: 365953

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

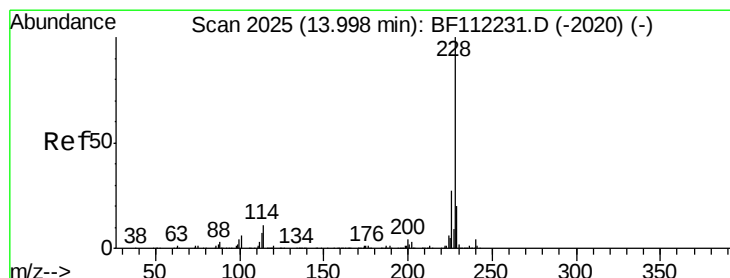
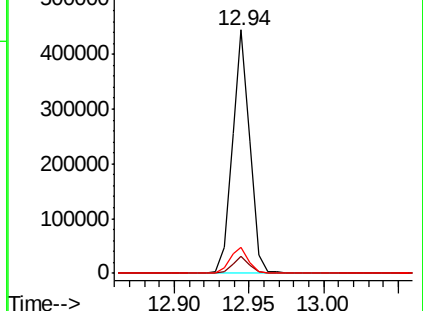
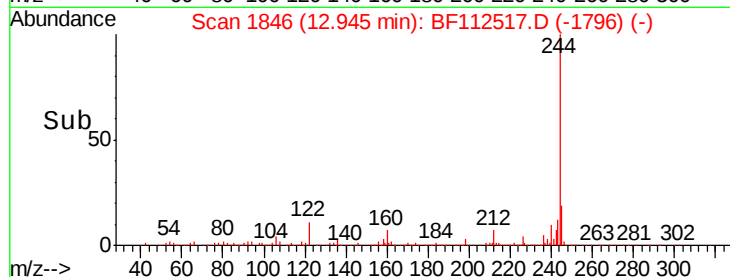
122 10.8 9.8 14.6



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: 3.322 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

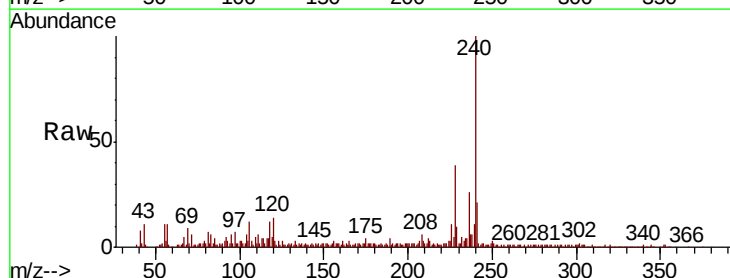
Tgt Ion:228 Resp: 44219

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

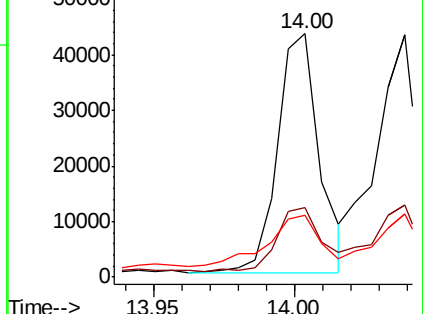
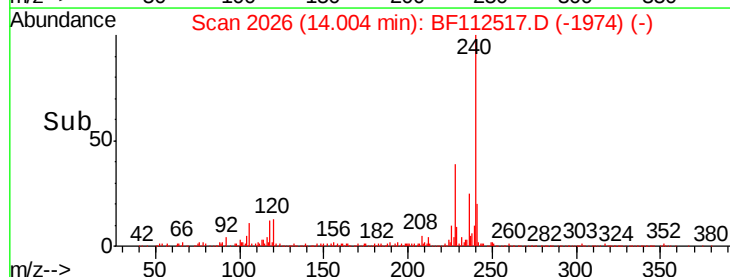
229 25.3 16.5 24.7#

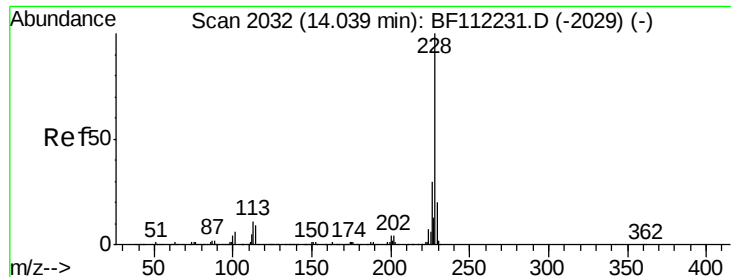


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

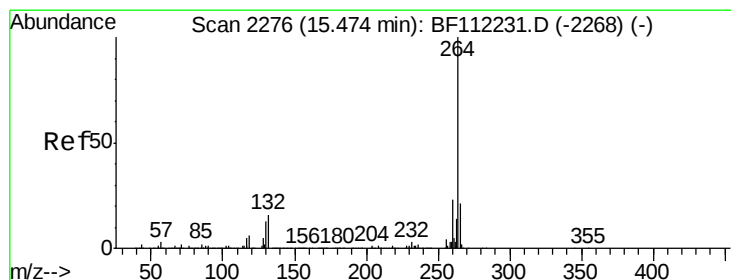
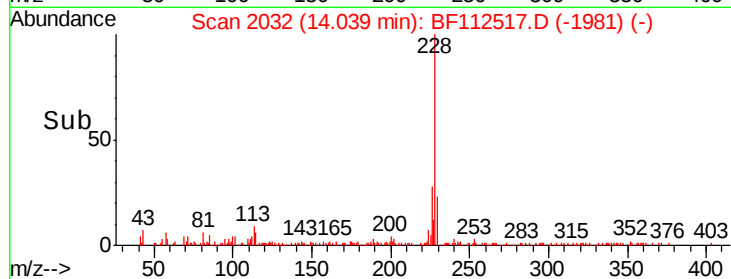
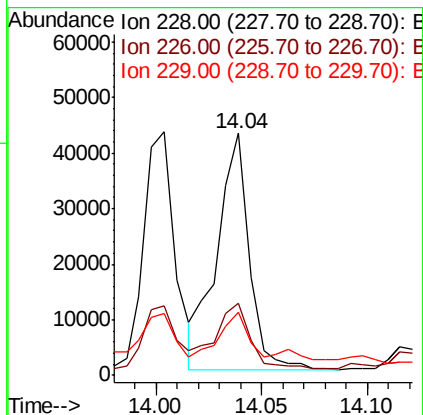
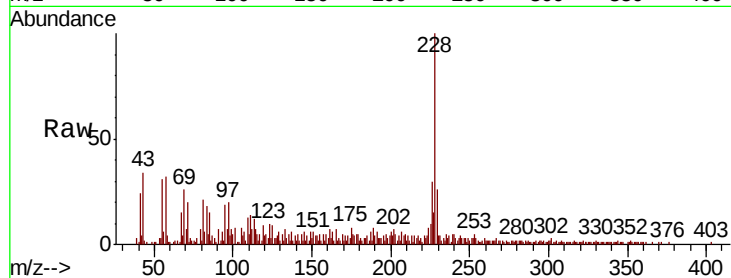




#83
Chrysene
Concen: 3.588 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

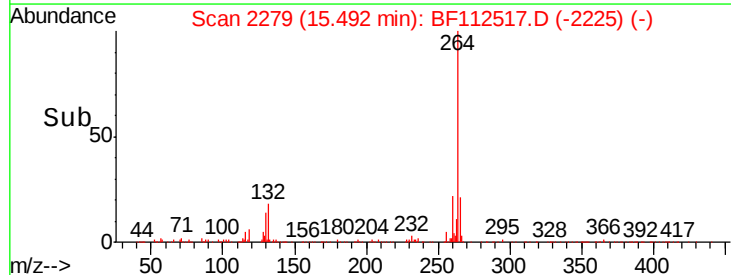
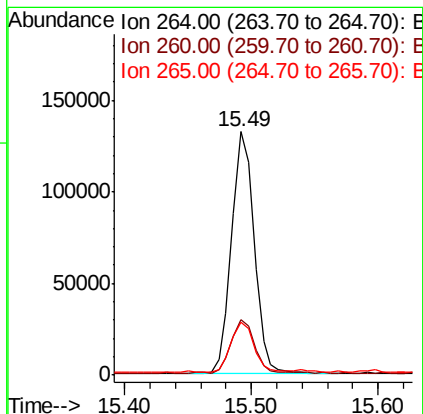
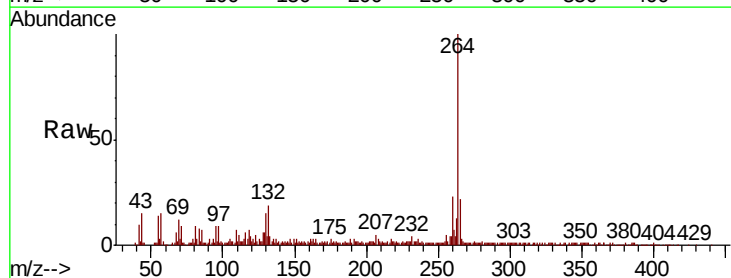
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

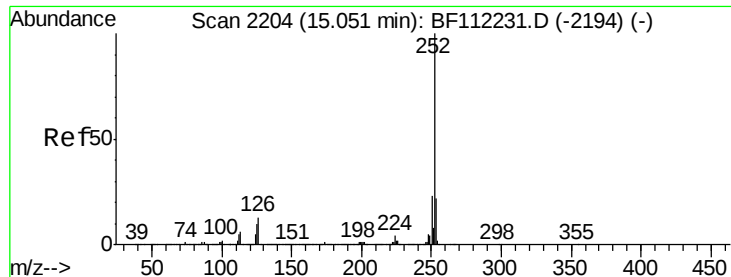
Tgt Ion: 228 Resp: 45580
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 25.9 16.6 24.8#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion: 264 Resp: 163009
Ion Ratio Lower Upper
264 100
260 22.9 18.2 27.2
265 22.0 17.0 25.4

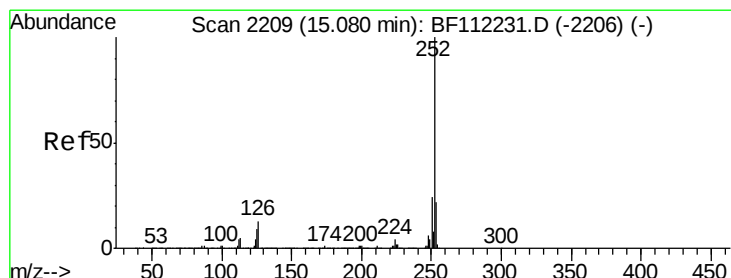
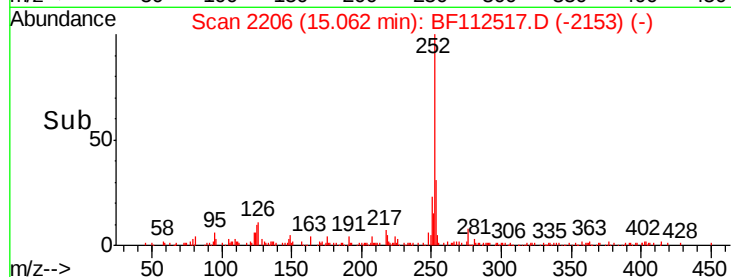
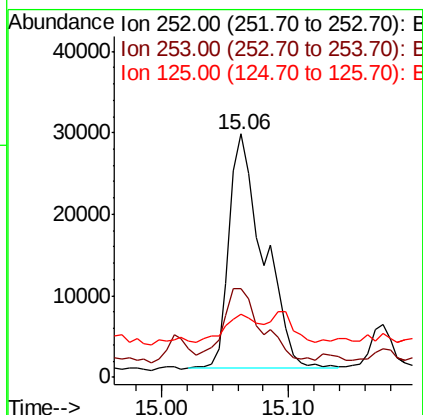
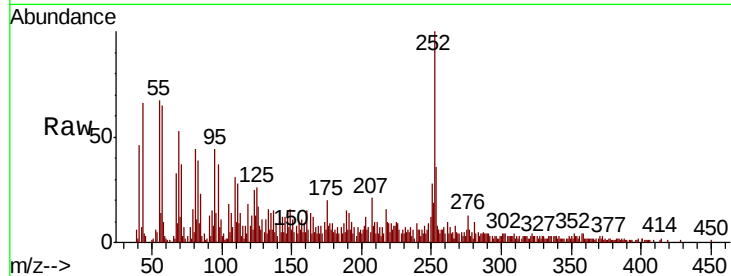




#88
Benzo(b)fluoranthene
Concen: 5.541 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

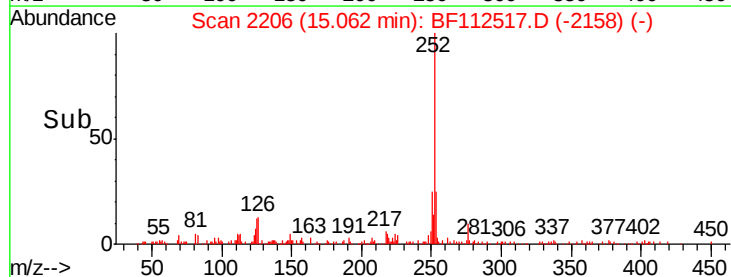
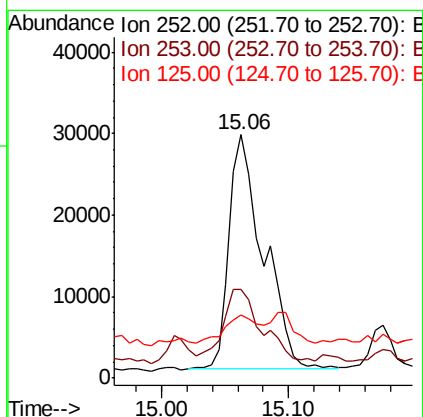
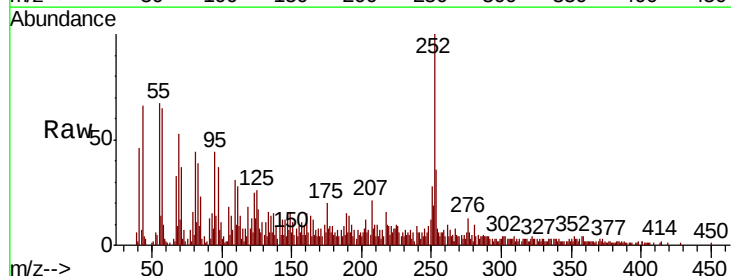
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

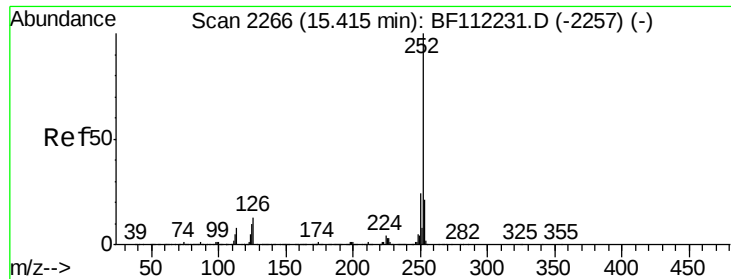
Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.3	18.0	27.0#
125	25.8	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 5.766 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.3	18.0	27.0#
125	25.8	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 3.067 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-G

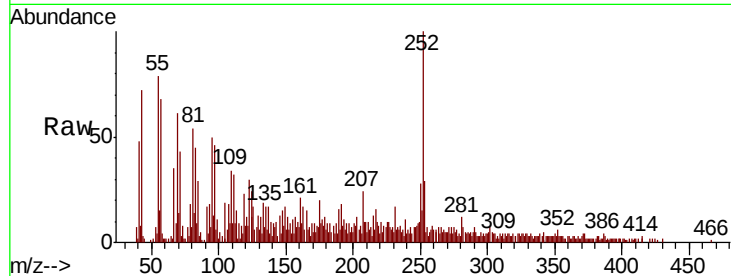
Tgt Ion: 252 Resp: 26904

Ion Ratio Lower Upper

252 100

253 29.4 17.5 26.3#

125 24.5 9.0 13.4#

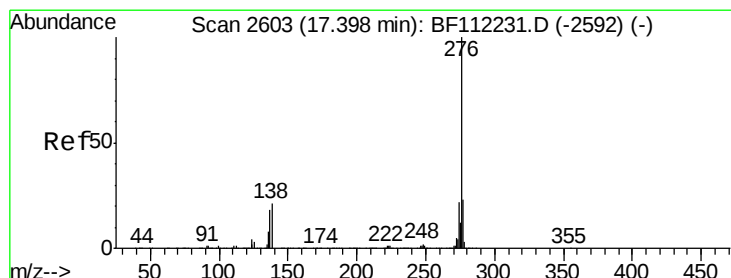
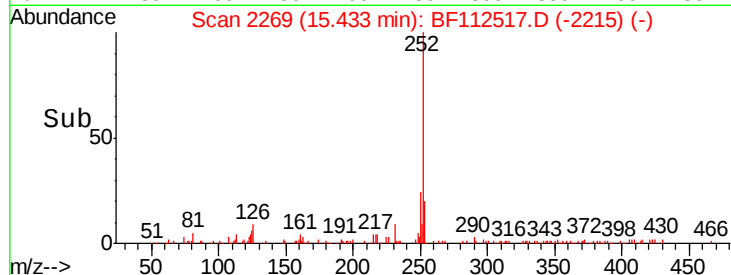
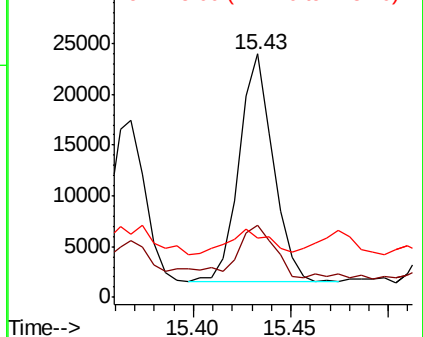


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 2.427 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.05 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

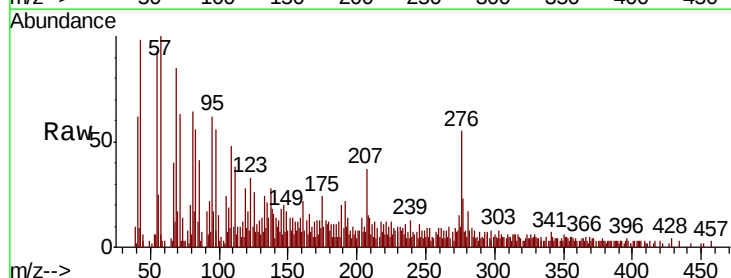
Tgt Ion: 276 Resp: 16188

Ion Ratio Lower Upper

276 100

277 41.8 19.4 29.0#

138 31.7 19.1 28.7#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

