

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081120\
 Data File : BF121254.D
 Acq On : 11 Aug 2020 22:26
 Operator : JU/CG
 Sample : L3637-13 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-2

Quant Time: Aug 12 10:52:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146758	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	580439	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	302795	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	576685	20.00	ng	0.00
76) Chrysene-d12	13.96	240	384258	20.00	ng	0.00
86) Perylene-d12	15.42	264	407239	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	390348	43.60	ng	-0.01
7) Phenol-d6	6.43	99	489732	42.35	ng	-0.01
23) Nitrobenzene-d5	7.36	82	308279	30.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	152667	46.06	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	616314	30.39	ng	-0.01
79) Terphenyl-d14	12.90	244	550653	31.15	ng	0.00

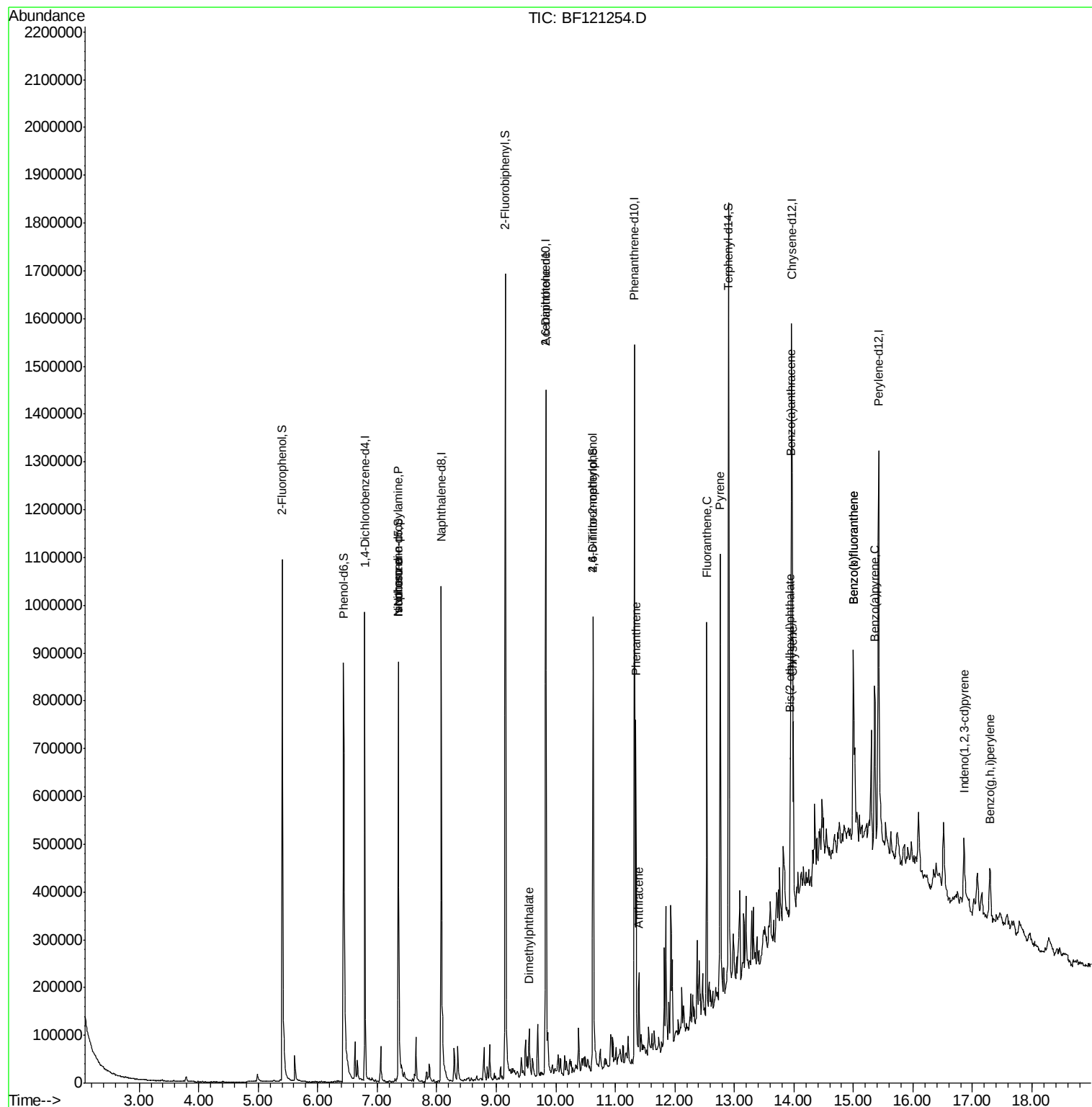
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	628	Below Cal		# 55
19) n-Nitroso-di-n-propylamine	7.36	70	40557	6.168	ng	# 78
25) Isophorone	7.36	82	308321	15.401	ng	# 62
50) Dimethylphthalate	9.55	163	44949	2.058	ng	99
51) 2,6-Dinitrotoluene	9.83	165	41230	8.785	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.63	198	126	3.877	ng	# 1
71) Phenanthrene	11.35	178	242350	8.171	ng	98
72) Anthracene	11.40	178	69117	2.321	ng	99
75) Fluoranthene	12.53	202	333341	10.140	ng	98
78) Pyrene	12.76	202	396650	14.600	ng	99
81) Benzo(a)anthracene	13.95	228	166771	7.167	ng	96
83) Chrysene	13.99	228	183769	7.515	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	76265	5.107	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.86	276	94129	3.324	ng	98
88) Benzo(b)fluoranthene	15.00	252	293915	11.940	ng	97
89) Benzo(k)fluoranthene	15.00	252	293915	13.092	ng	# 97
90) Benzo(a)pyrene	15.36	252	157778	7.025	ng	97
92) Benzo(g,h,i)perylene	17.30	276	95023	4.166	ng	98

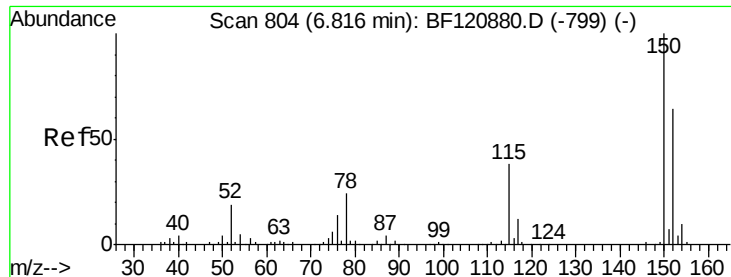
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

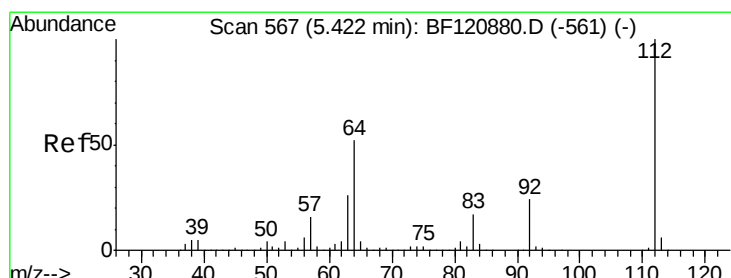
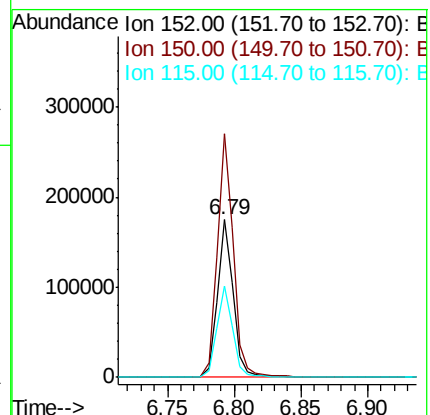
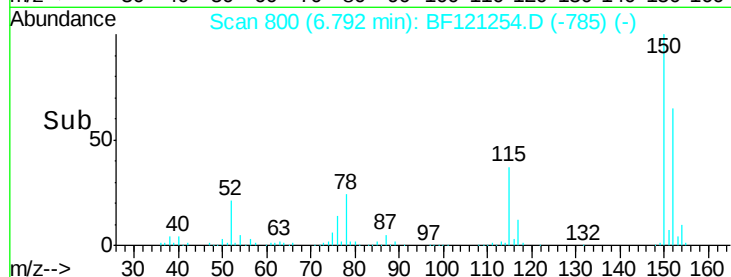
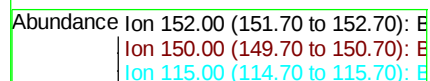
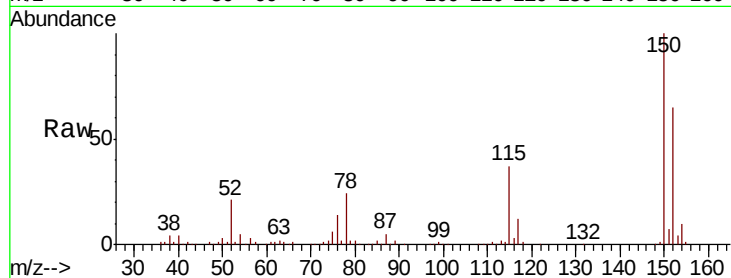
Tot Ion:152 Resp: 146758

Ion Ratio Lower Upper

152 100

150 154.7 125.6 188.4

115 58.0 46.2 69.2



#5

2-Fluorophenol

Concen: 43.604 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

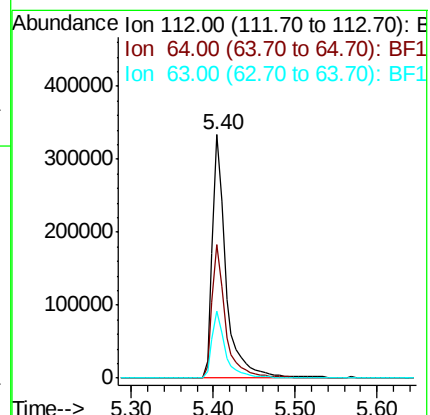
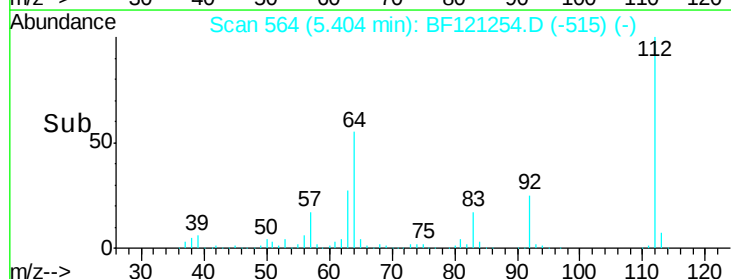
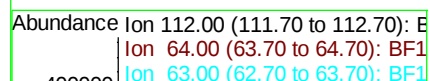
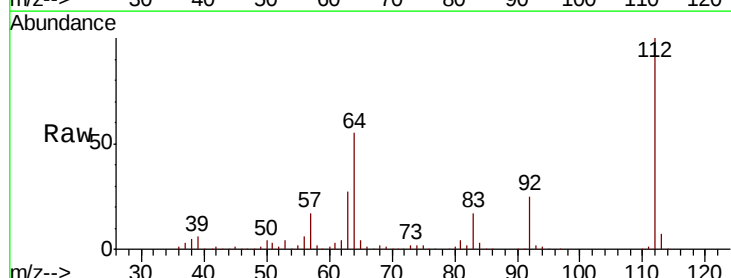
Tgt Ion:112 Resp: 390348

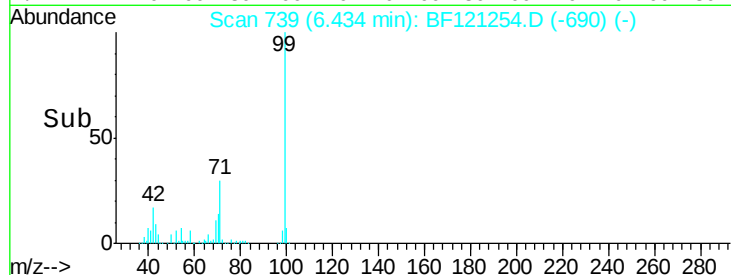
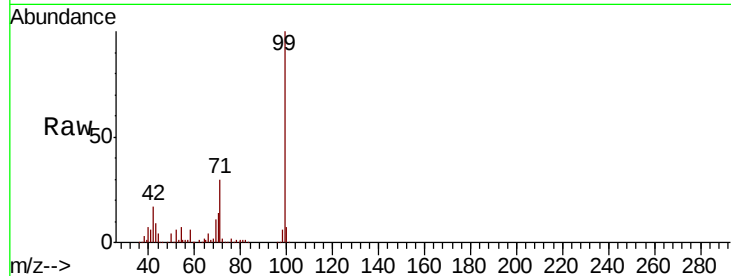
Ion Ratio Lower Upper

112 100

64 55.0 43.9 65.9

63 27.4 22.7 34.1





#7

Phenol-d6

Concen: 42.350 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

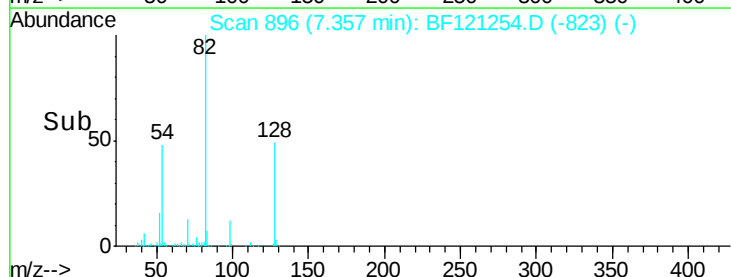
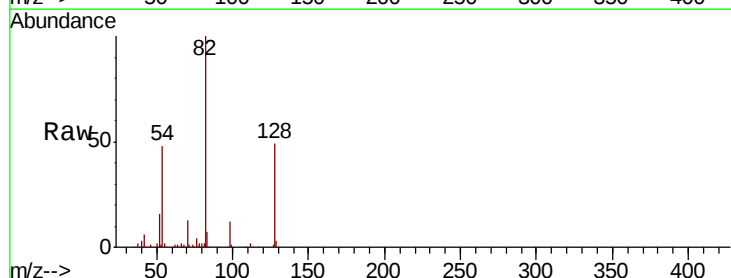
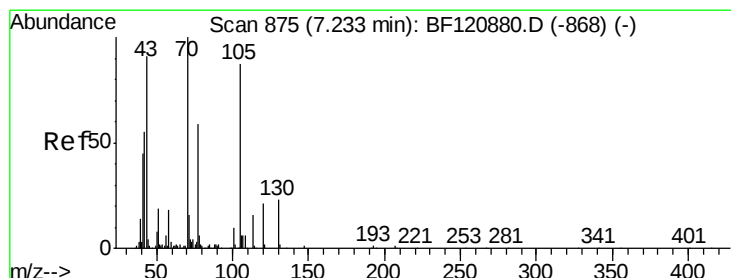
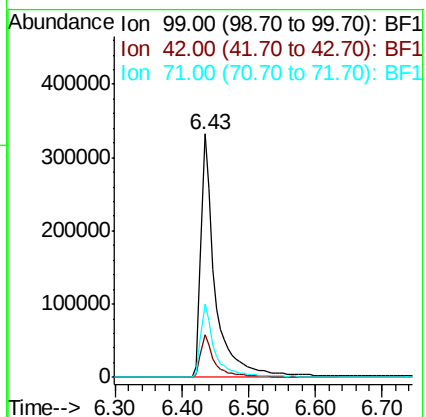
Tot Ion: 99 Resp: 489732

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 30.4 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 6.168 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Tgt Ion: 70 Resp: 40557

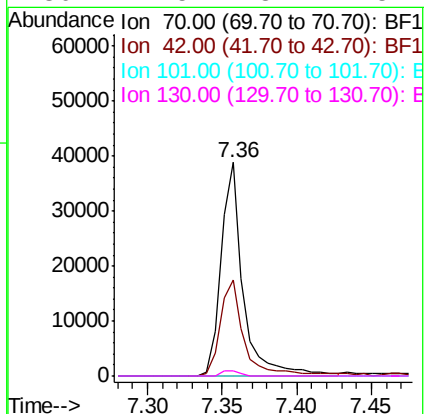
Ion Ratio Lower Upper

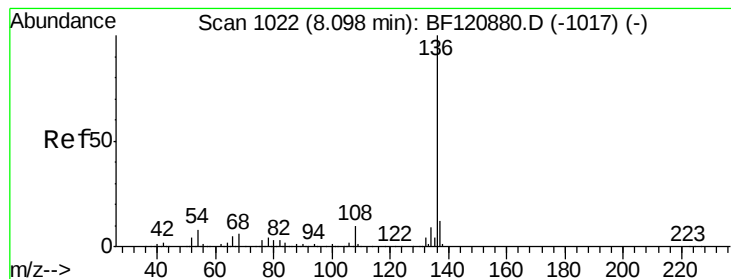
70 100

42 45.1 43.3 64.9

101 0.0 8.4 12.6#

130 2.5 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

Tot Ion:136 Resp: 580439

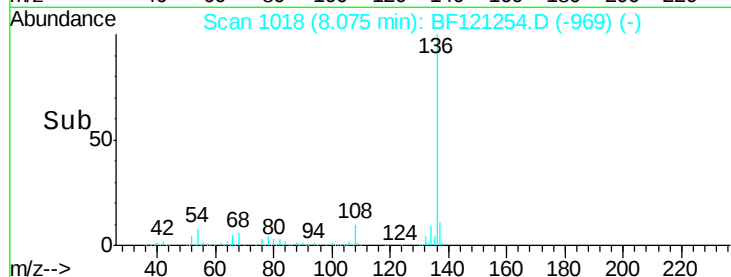
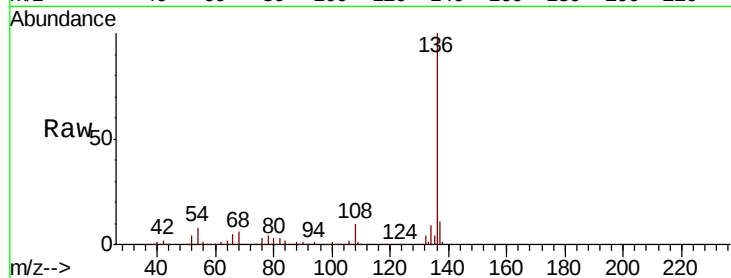
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 8.1 6.1 9.1

68 6.3 5.0 7.6

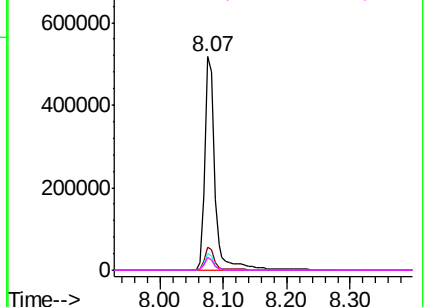


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.732 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

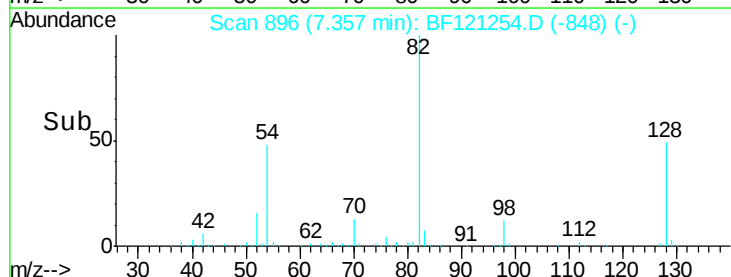
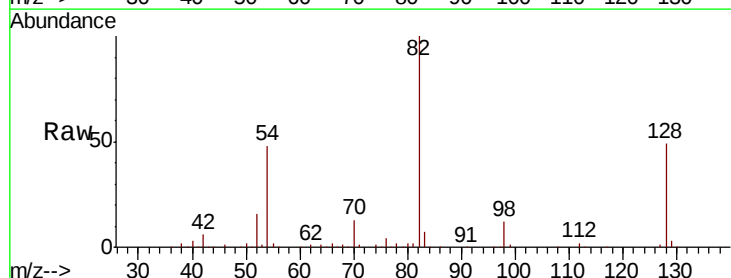
Tgt Ion: 82 Resp: 308279

Ion Ratio Lower Upper

82 100

128 48.6 39.2 58.8

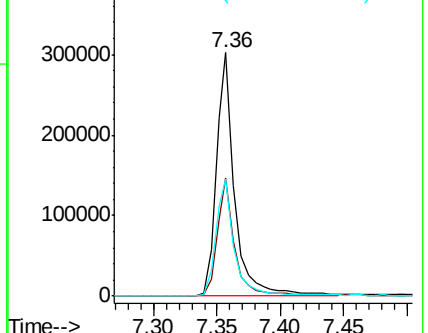
54 48.2 37.8 56.8

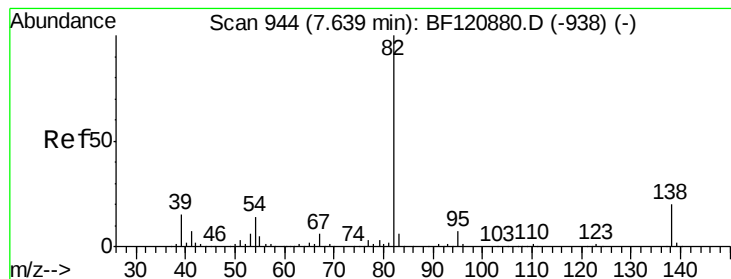


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.401 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

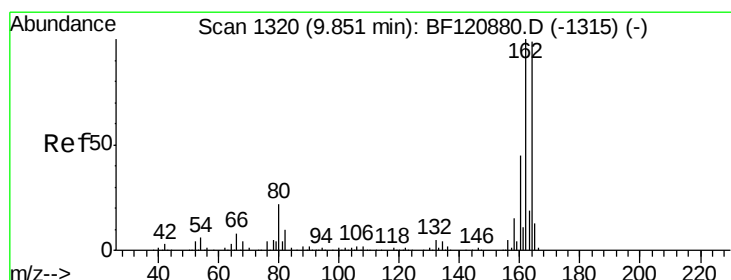
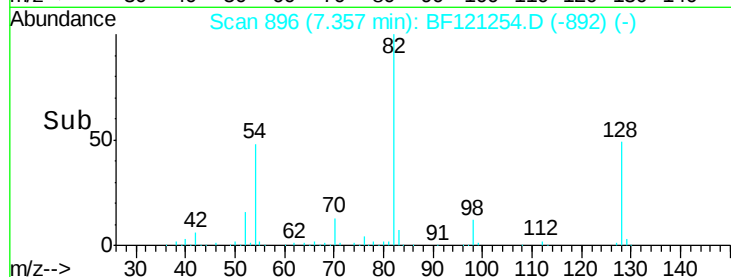
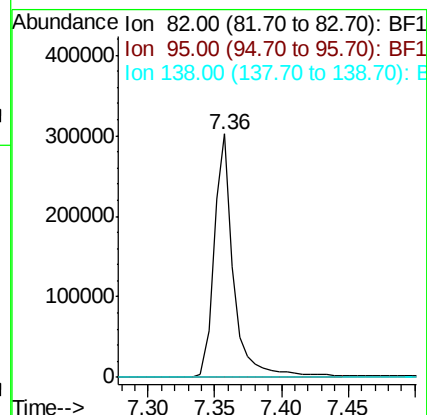
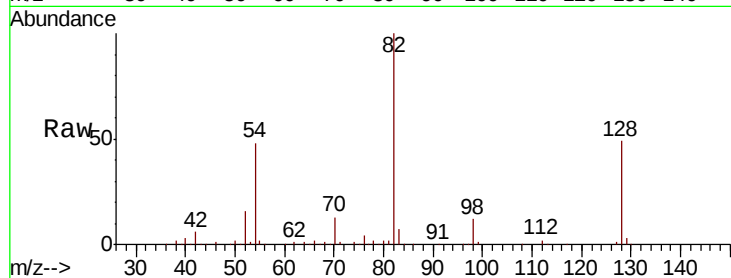
Tot Ion: 82 Resp: 308321

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

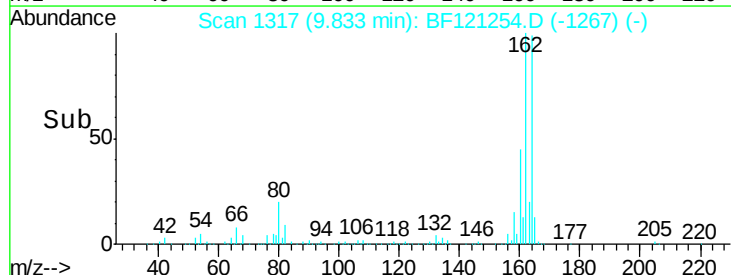
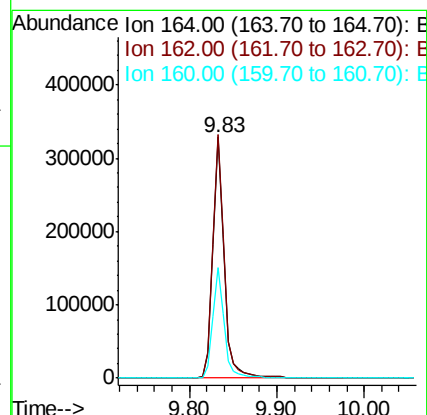
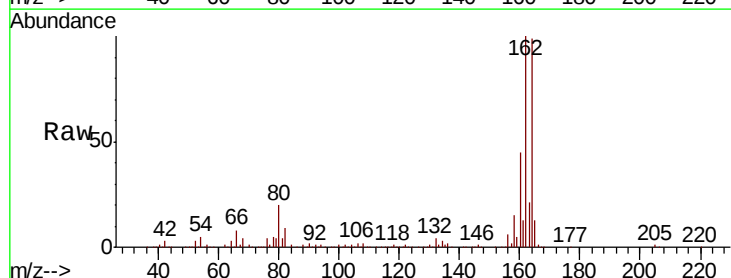
Tgt Ion: 164 Resp: 302795

Ion Ratio Lower Upper

164 100

162 101.1 82.2 123.2

160 45.6 37.2 55.8

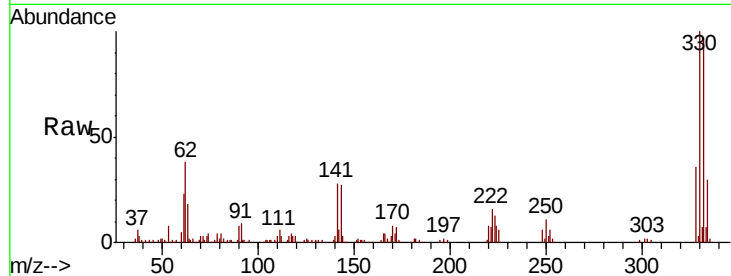




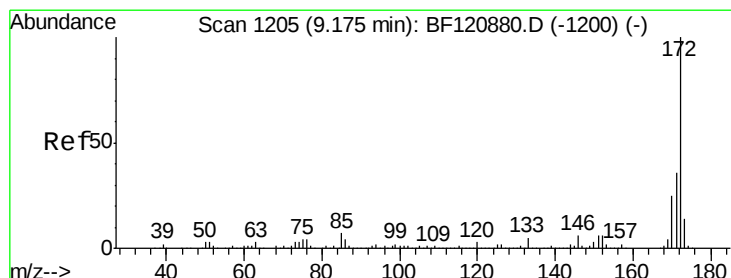
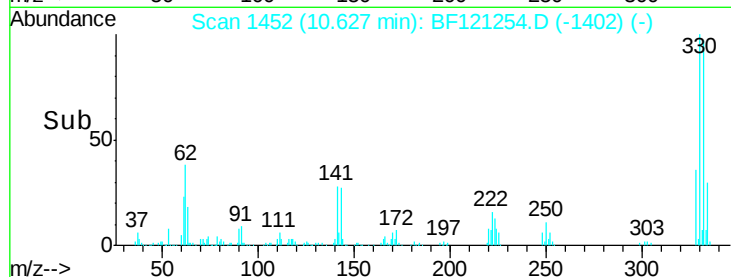
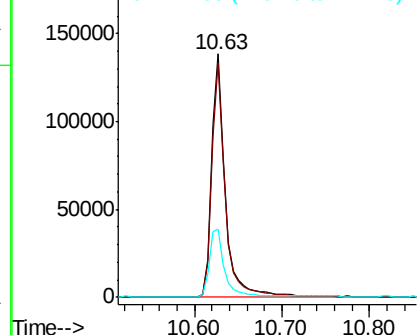
#42
 2,4,6-Tribromophenol
 Concen: 46.062 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121254.D
 Acq: 11 Aug 2020 22:26

Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.1	114.1
141	32.5	24.1	36.1

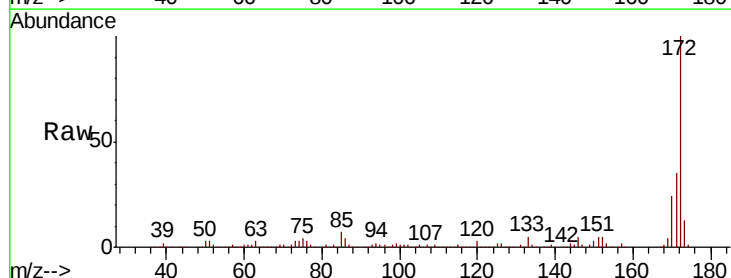


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

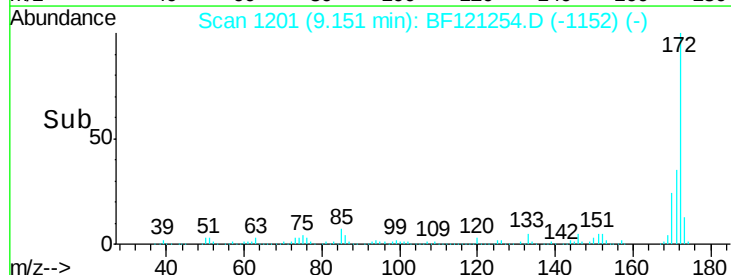
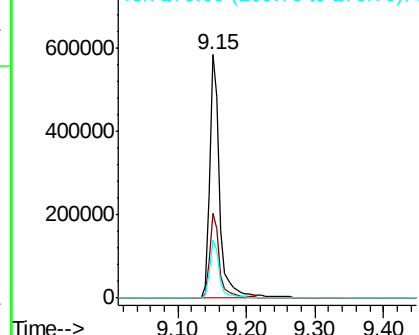


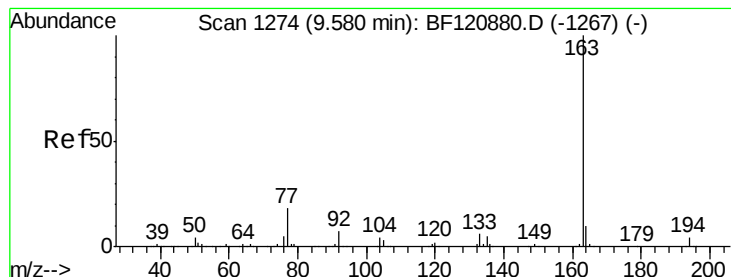
#45
 2-Fluorobiphenyl
 Concen: 30.390 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121254.D
 Acq: 11 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	23.7	19.6	29.4



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: 2.058 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

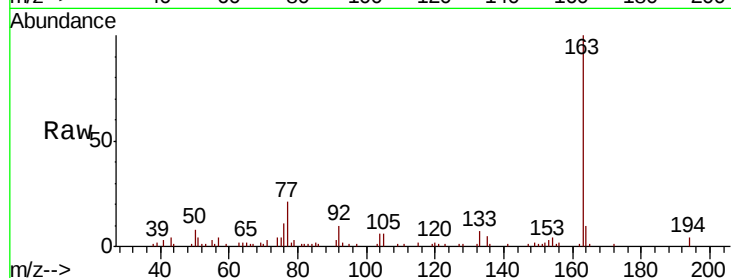
Tot Ion:163 Resp: 44949

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

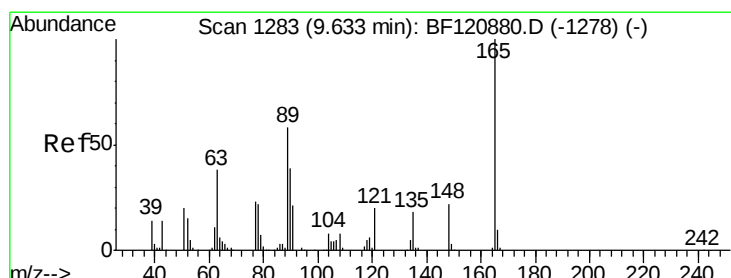
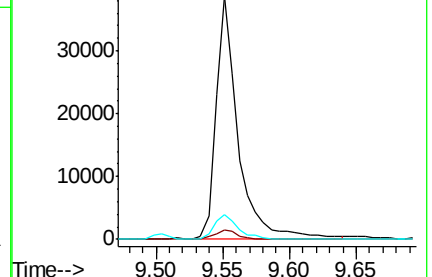
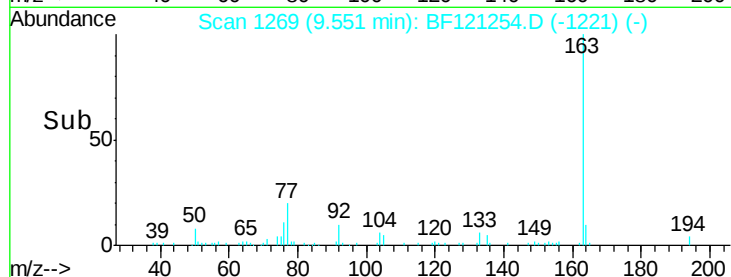
164 10.3 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.785 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

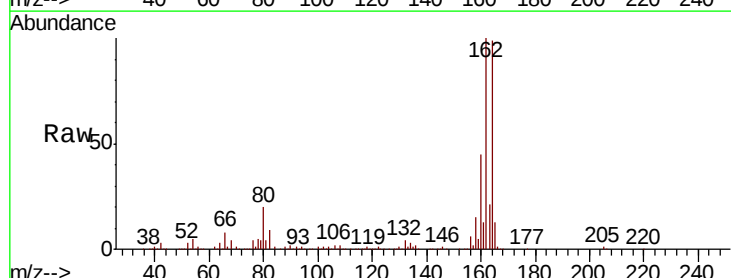
Tgt Ion:165 Resp: 41230

Ion Ratio Lower Upper

165 100

63 1.5 41.1 61.7#

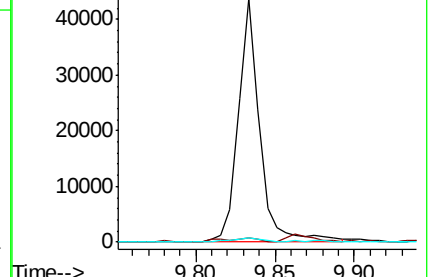
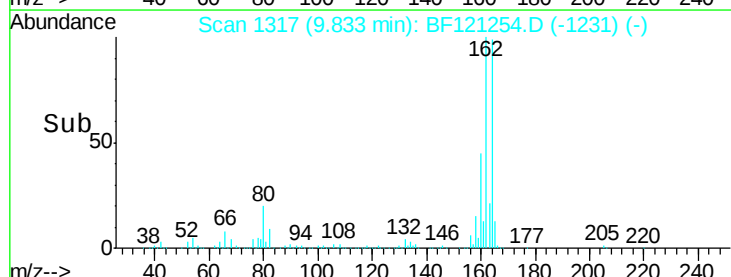
89 1.7 43.5 65.3#

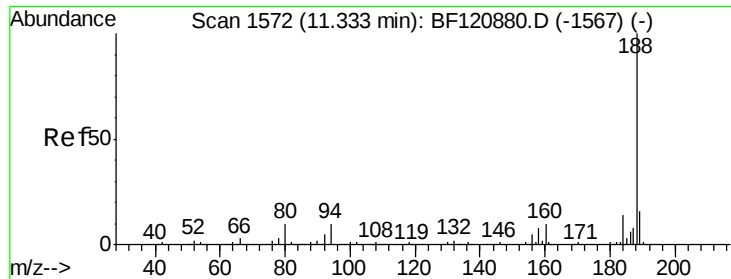


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

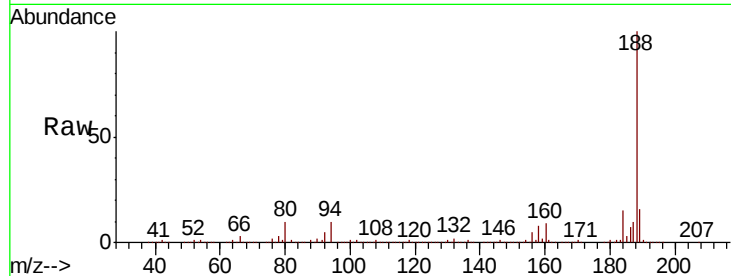




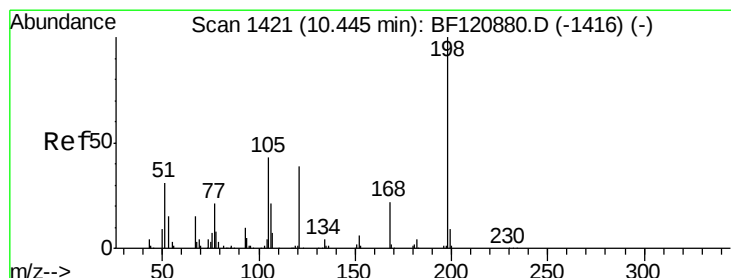
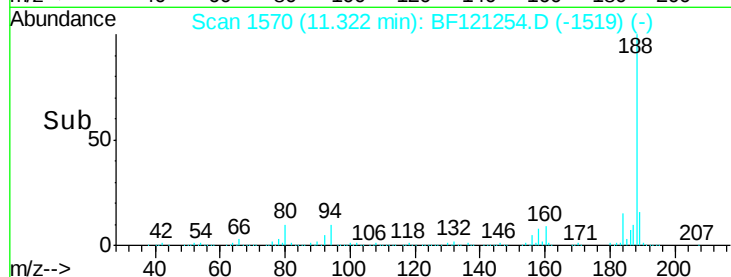
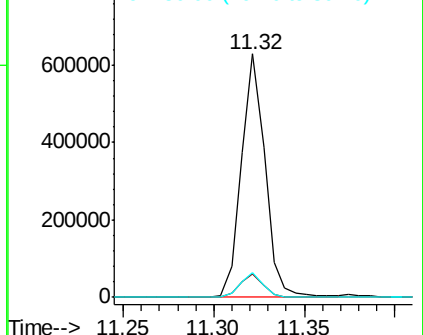
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121254.D
Acq: 11 Aug 2020 22:26

Instrument :
BNA_F
ClientSampleId :
CAR-WASH-AREA-2

Tot Ion:188 Resp: 576685
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.3 8.3 12.5

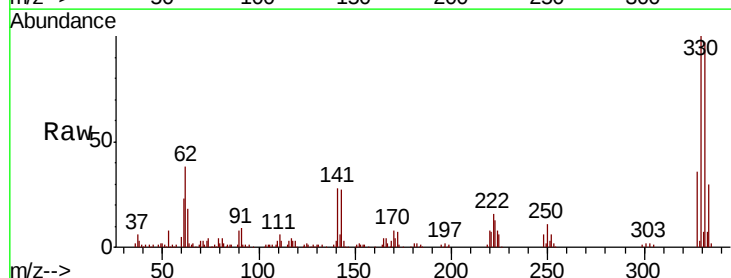


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

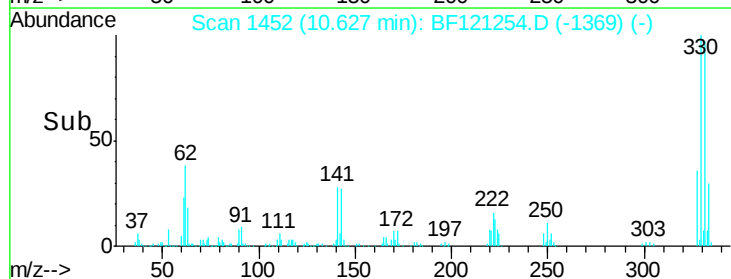
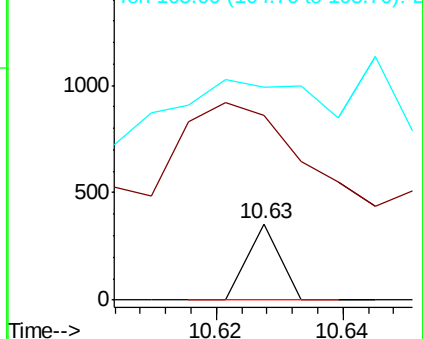


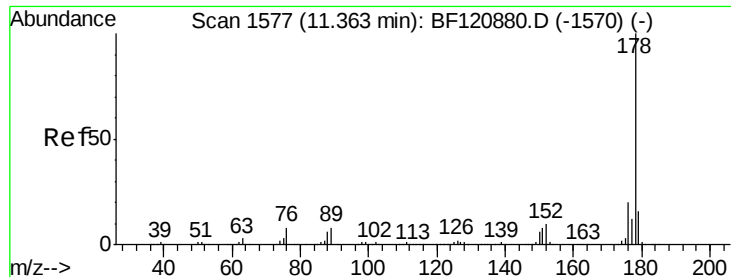
#65
4,6-Dinitro-2-methylphenol
Concen: 3.877 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF121254.D
Acq: 11 Aug 2020 22:26

Tgt Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
51 241.9 23.4 63.4#
105 279.2 23.7 63.7#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

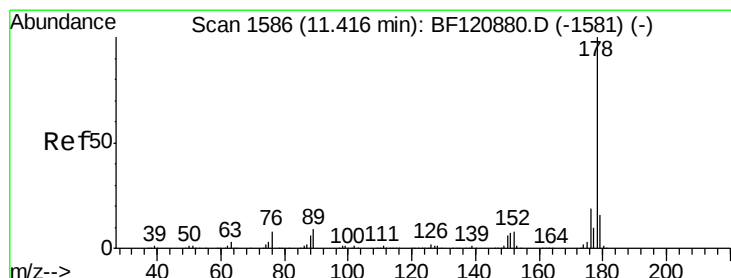
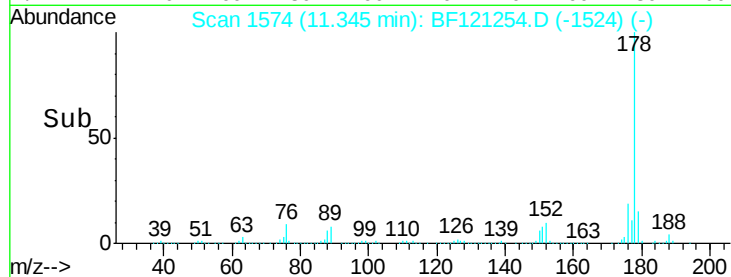
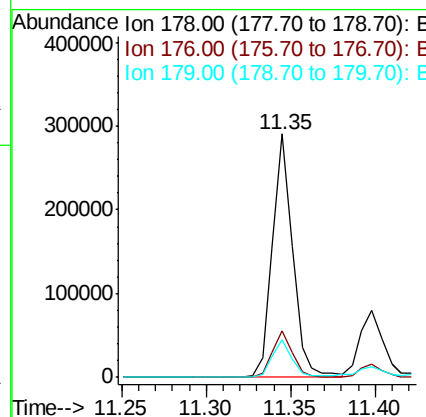
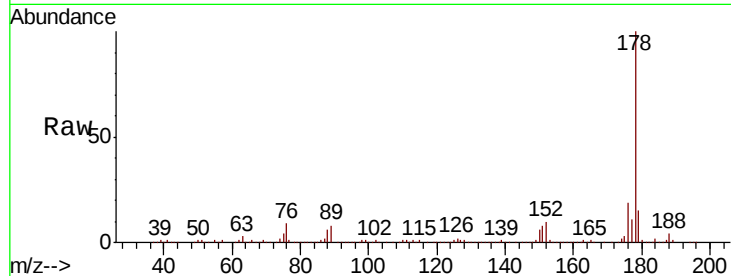




#71
Phenanthrene
Concen: 8.171 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121254.D
Acq: 11 Aug 2020 22:26

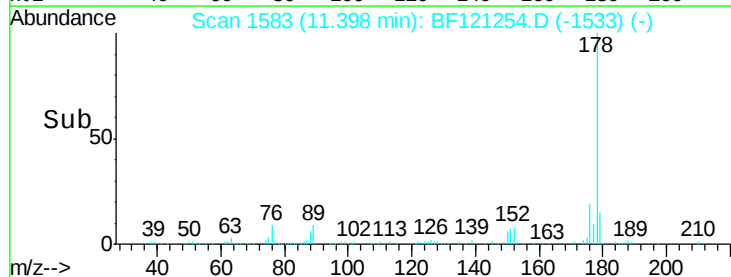
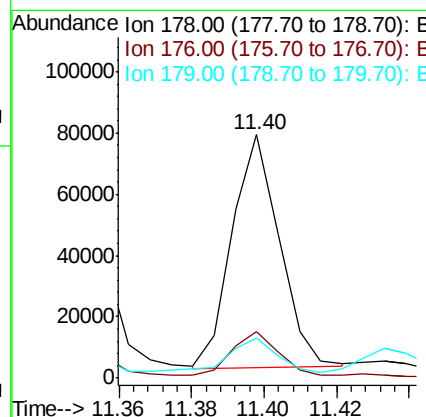
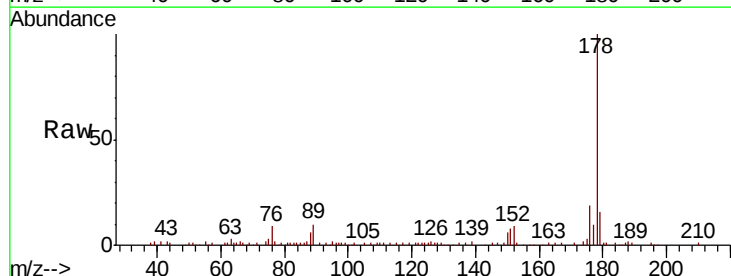
Instrument :
BNA_F
ClientSampleId :
CAR-WASH-AREA-2

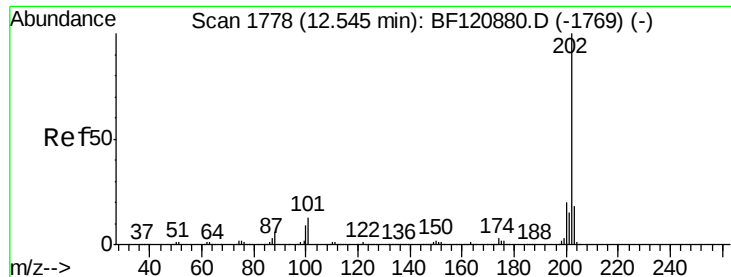
Tot Ion:178 Resp: 242350
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.3 12.6 19.0



#72
Anthracene
Concen: 2.321 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF121254.D
Acq: 11 Aug 2020 22:26

Tgt Ion:178 Resp: 69117
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.2 12.6 19.0





#75

Fluoranthene

Concen: 10.140 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

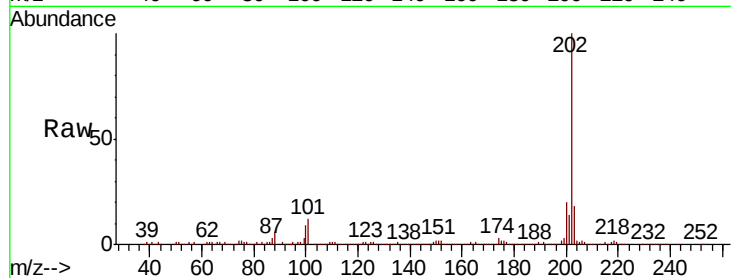
Tot Ion:202 Resp: 333341

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

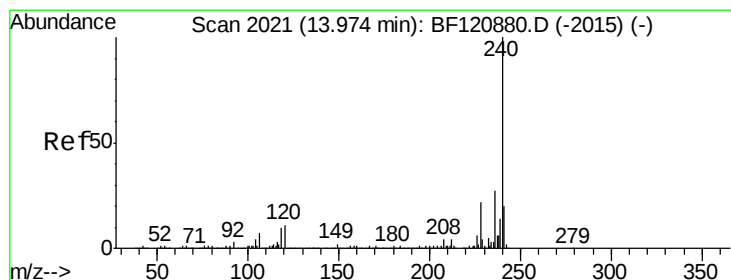
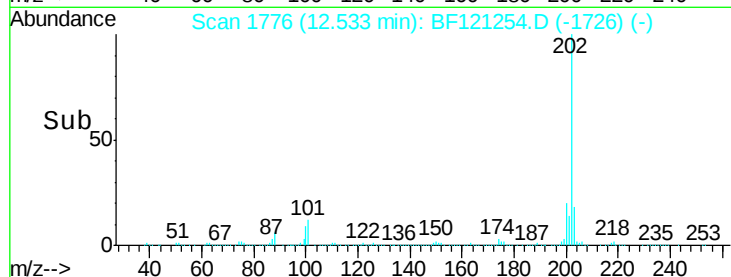
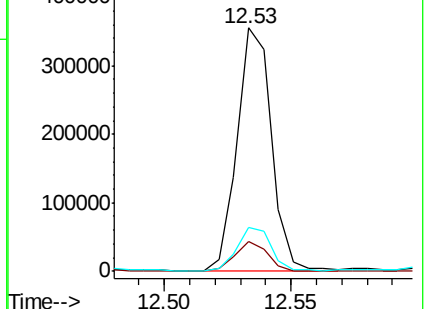
203 17.9 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

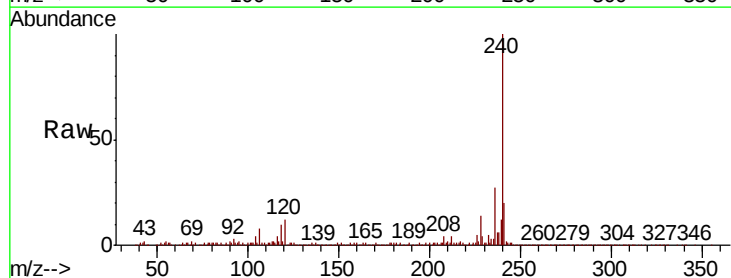
Tgt Ion:240 Resp: 384258

Ion Ratio Lower Upper

240 100

120 12.2 9.3 13.9

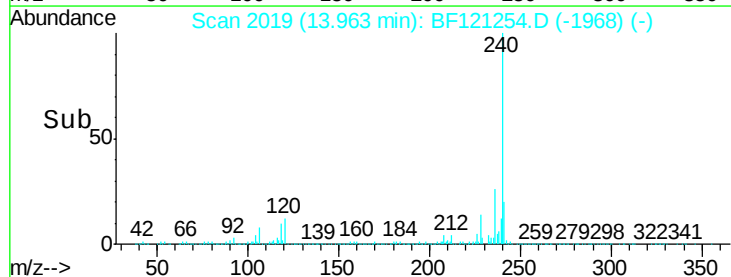
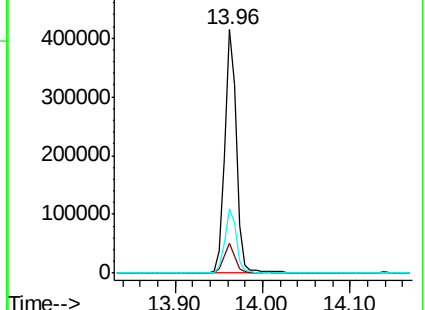
236 26.5 21.1 31.7

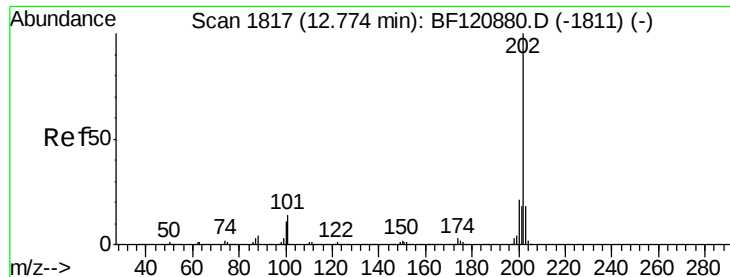


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 14.600 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

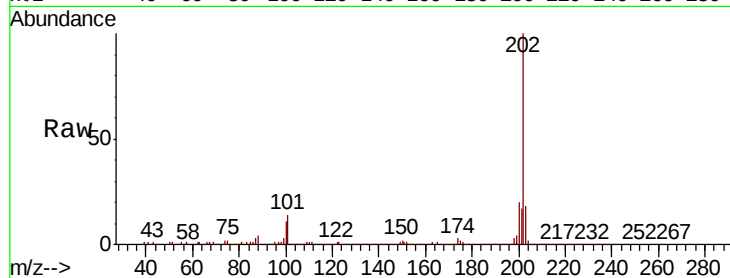
Tot Ion:202 Resp: 396650

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

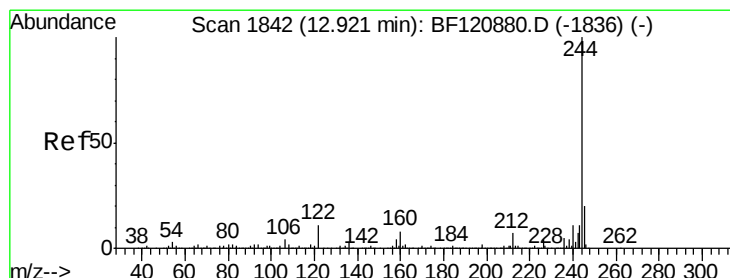
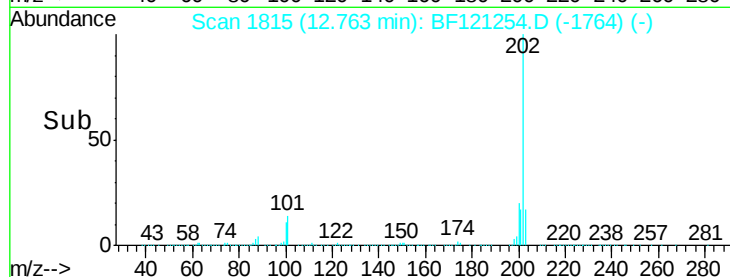
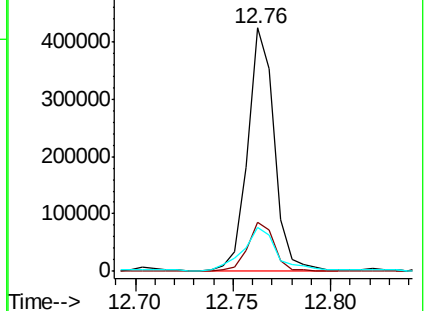
203 18.0 14.6 21.8



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: 31.151 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

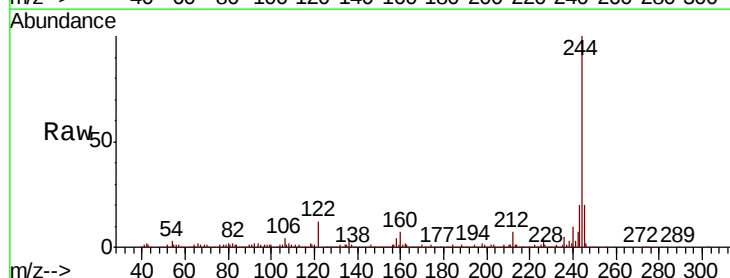
Tgt Ion:244 Resp: 550653

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

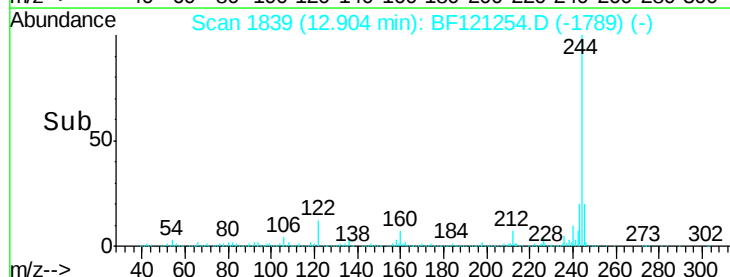
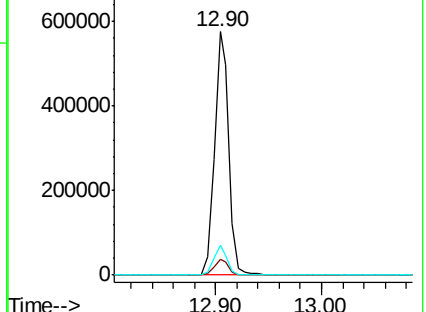
122 12.1 8.3 12.5

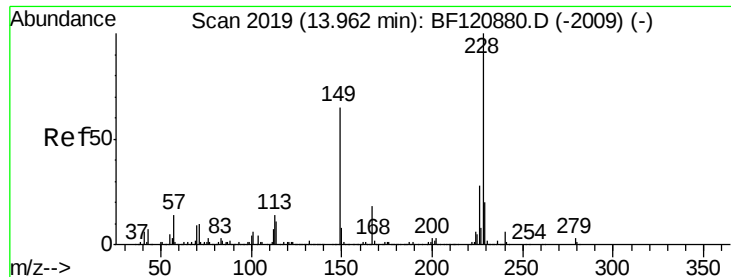


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

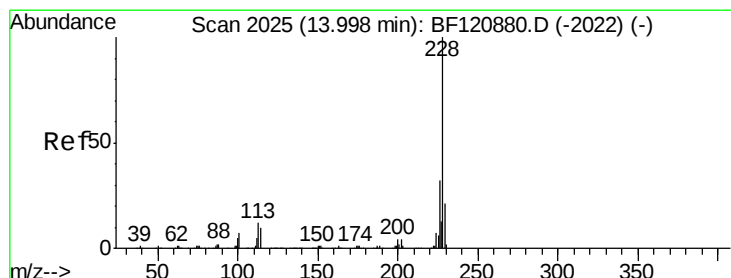
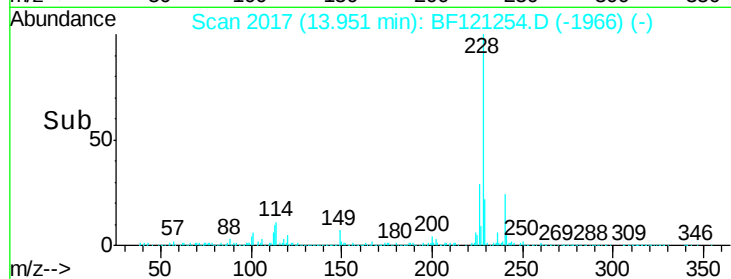
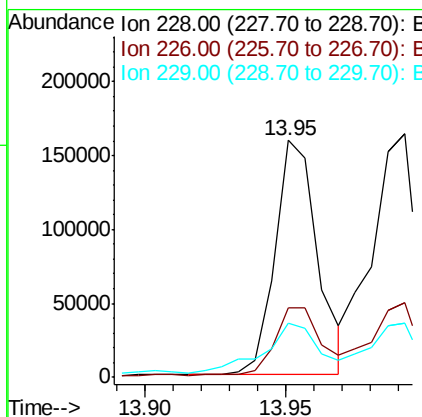
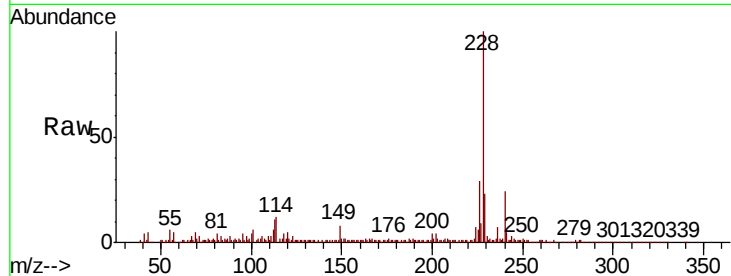




#81
Benzo(a)anthracene
Concen: 7.167 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF121254.D
Acq: 11 Aug 2020 22:26

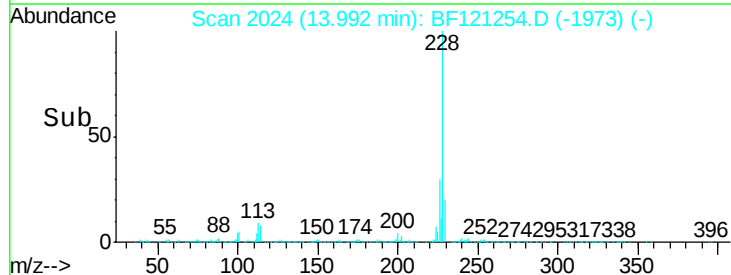
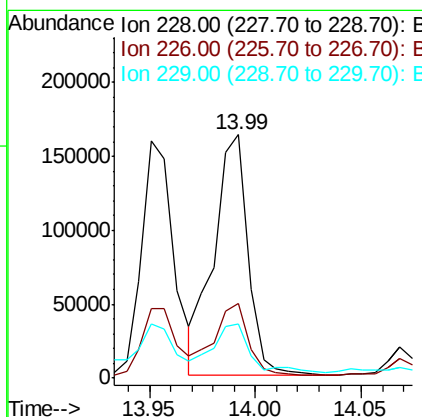
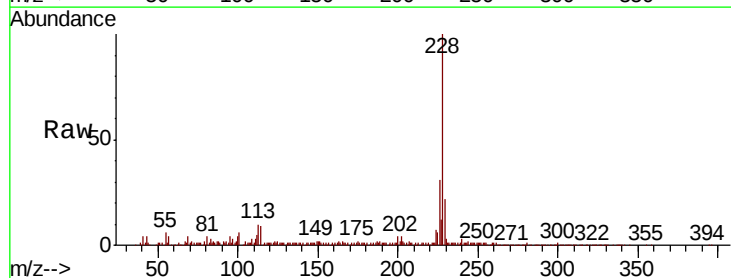
Instrument :
BNA_F
ClientSampleId :
CAR-WASH-AREA-2

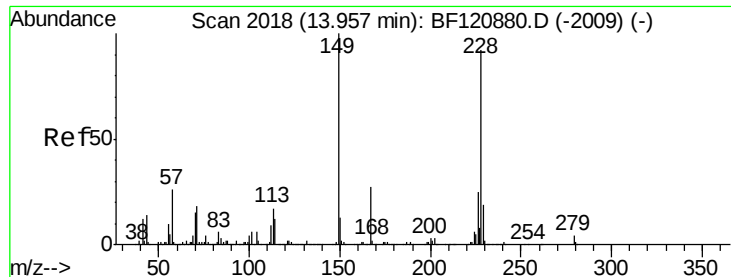
Tot Ion:228 Resp: 166771
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 22.6 16.1 24.1



#83
Chrysene
Concen: 7.515 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121254.D
Acq: 11 Aug 2020 22:26

Tgt Ion:228 Resp: 183769
Ion Ratio Lower Upper
228 100
226 30.6 25.4 38.0
229 22.0 16.2 24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.107 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

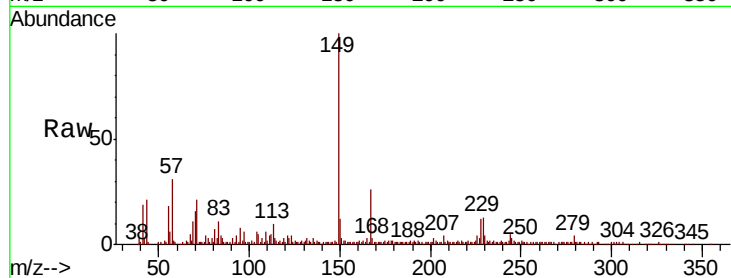
Tot Ion:149 Resp: 76265

Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.6

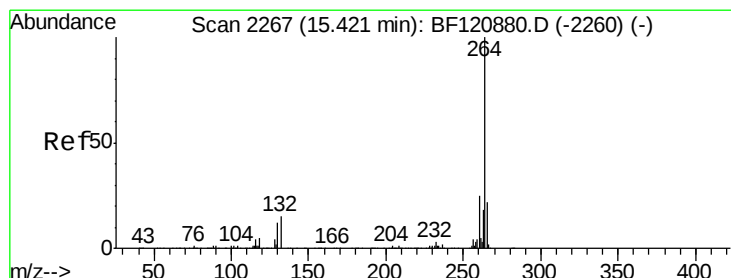
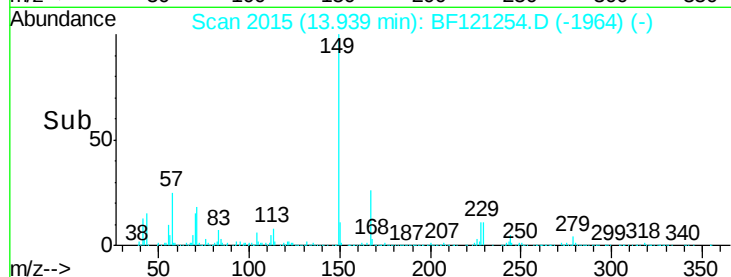
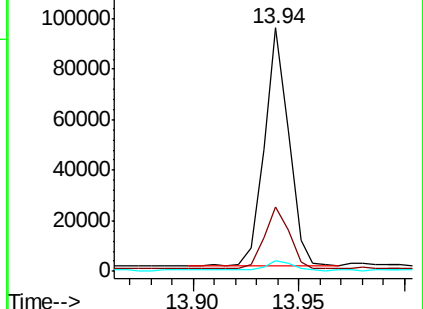
279 4.4 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.02 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

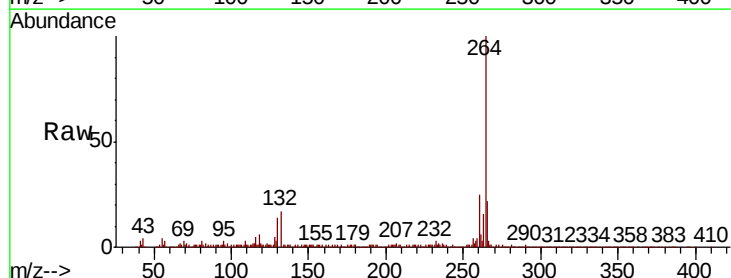
Tgt Ion:264 Resp: 407239

Ion Ratio Lower Upper

264 100

260 24.8 19.9 29.9

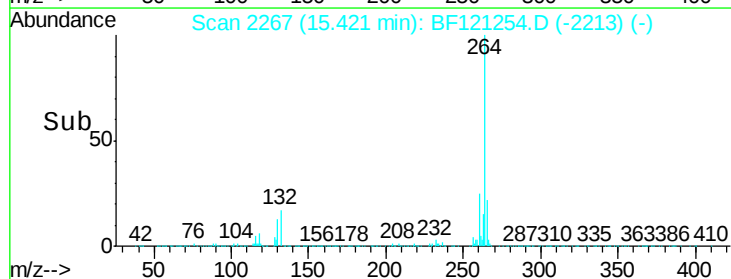
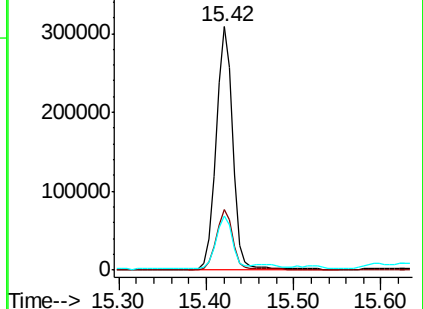
265 22.2 17.8 26.8

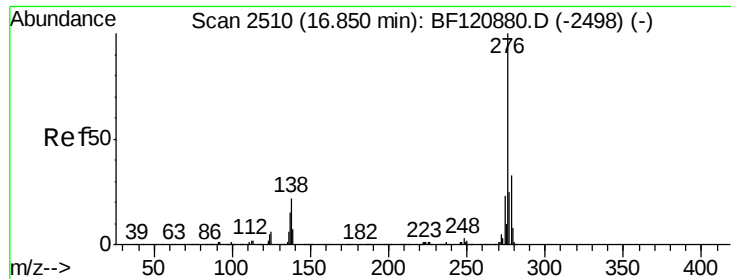


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

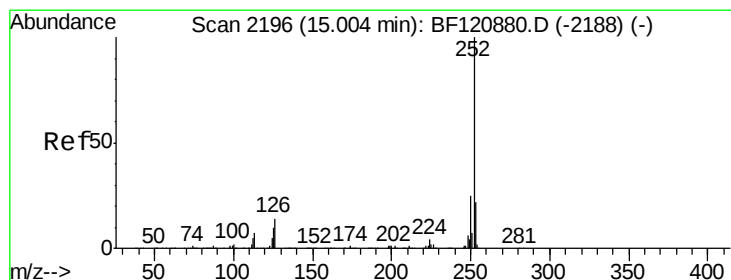
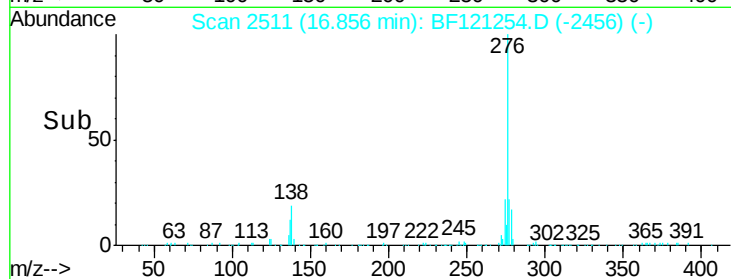
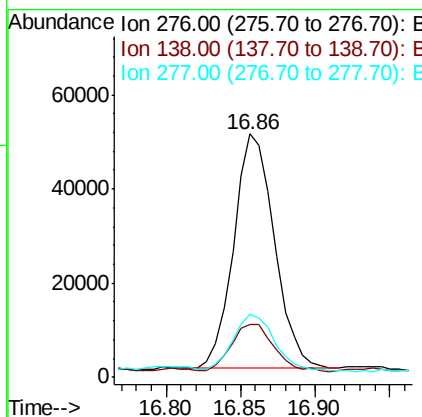
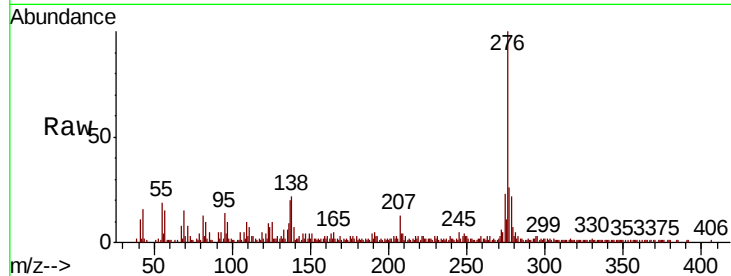




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.324 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121254.D
 Acq: 11 Aug 2020 22:26

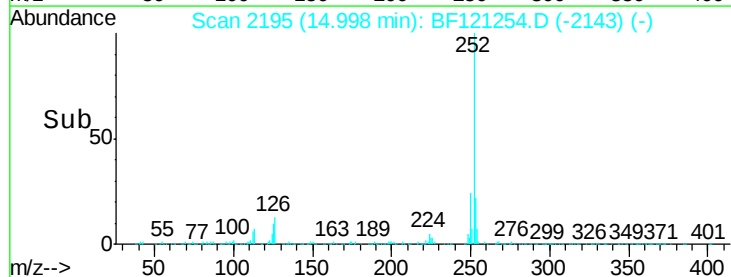
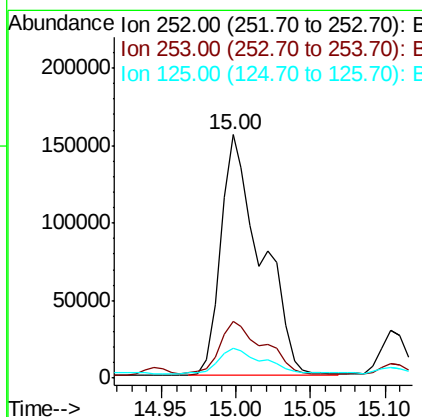
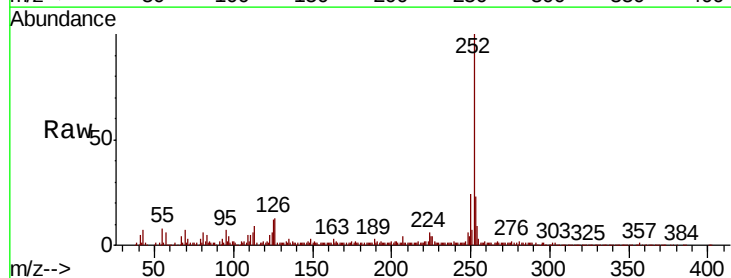
Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-2

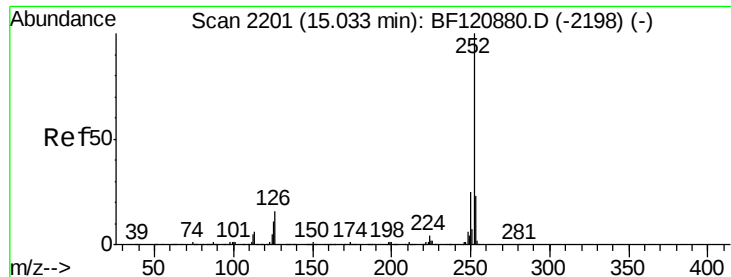
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.3	28.9
277	25.2	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 11.940 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121254.D
 Acq: 11 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.1	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 13.092 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-2

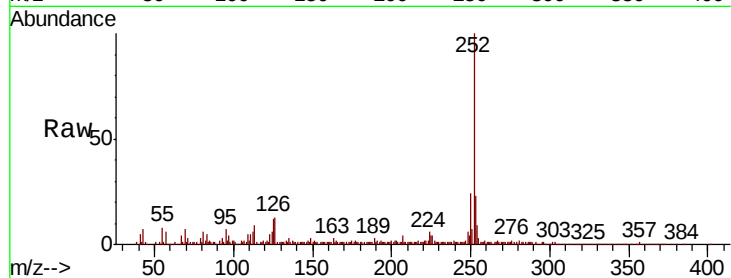
Tot Ion:252 Resp: 293915

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

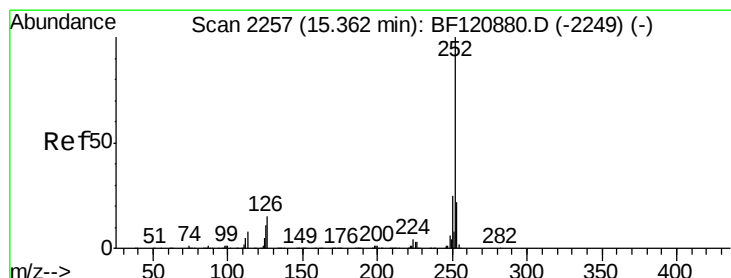
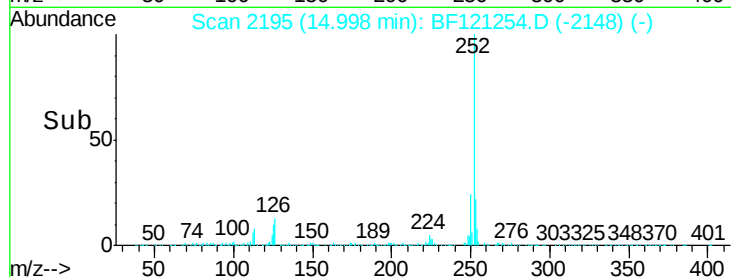
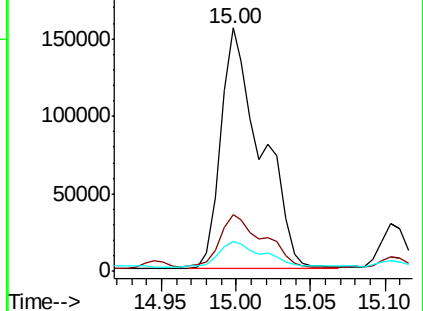
125 12.1 8.0 12.0#



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: 7.025 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.01 min

Lab File: BF121254.D

Acq: 11 Aug 2020 22:26

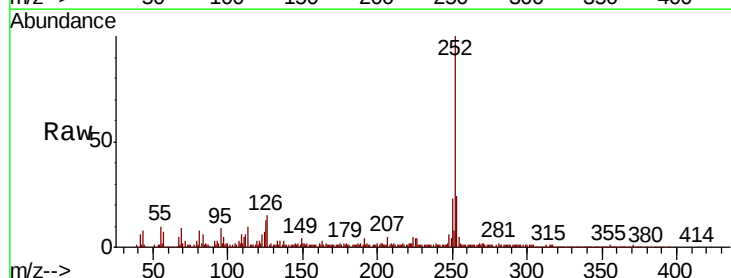
Tgt Ion:252 Resp: 157778

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

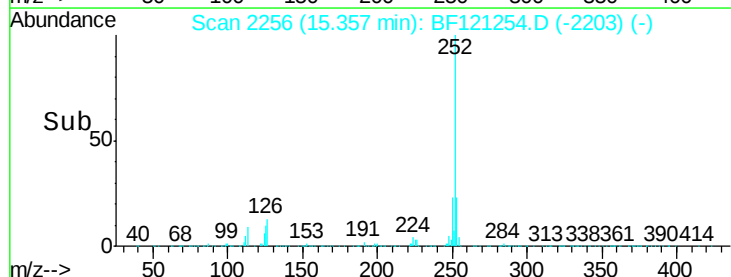
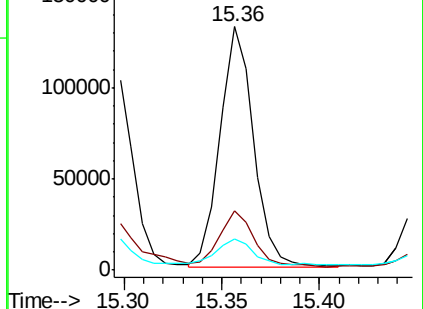
125 12.6 9.5 14.3

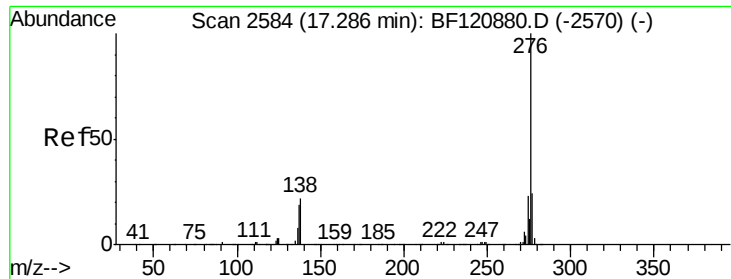


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 4.166 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.04 min
 Lab File: BF121254.D
 Acq: 11 Aug 2020 22:26

Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.0
138	23.6	17.2	25.8

