

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081120\
 Data File : BF121253.D
 Acq On : 11 Aug 2020 21:56
 Operator : JU/CG
 Sample : L3637-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-1

Quant Time: Aug 12 10:52:24 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	152041	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	599450	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	316360	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	618197	20.00	ng	0.00
76) Chrysene-d12	13.96	240	426763	20.00	ng	0.00
86) Perylene-d12	15.42	264	416629	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	393427	42.42	ng	-0.01
7) Phenol-d6	6.43	99	490959	40.98	ng	-0.01
23) Nitrobenzene-d5	7.36	82	311723	30.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	154775	44.70	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	609894	28.78	ng	-0.01
79) Terphenyl-d14	12.90	244	575626	29.32	ng	0.00

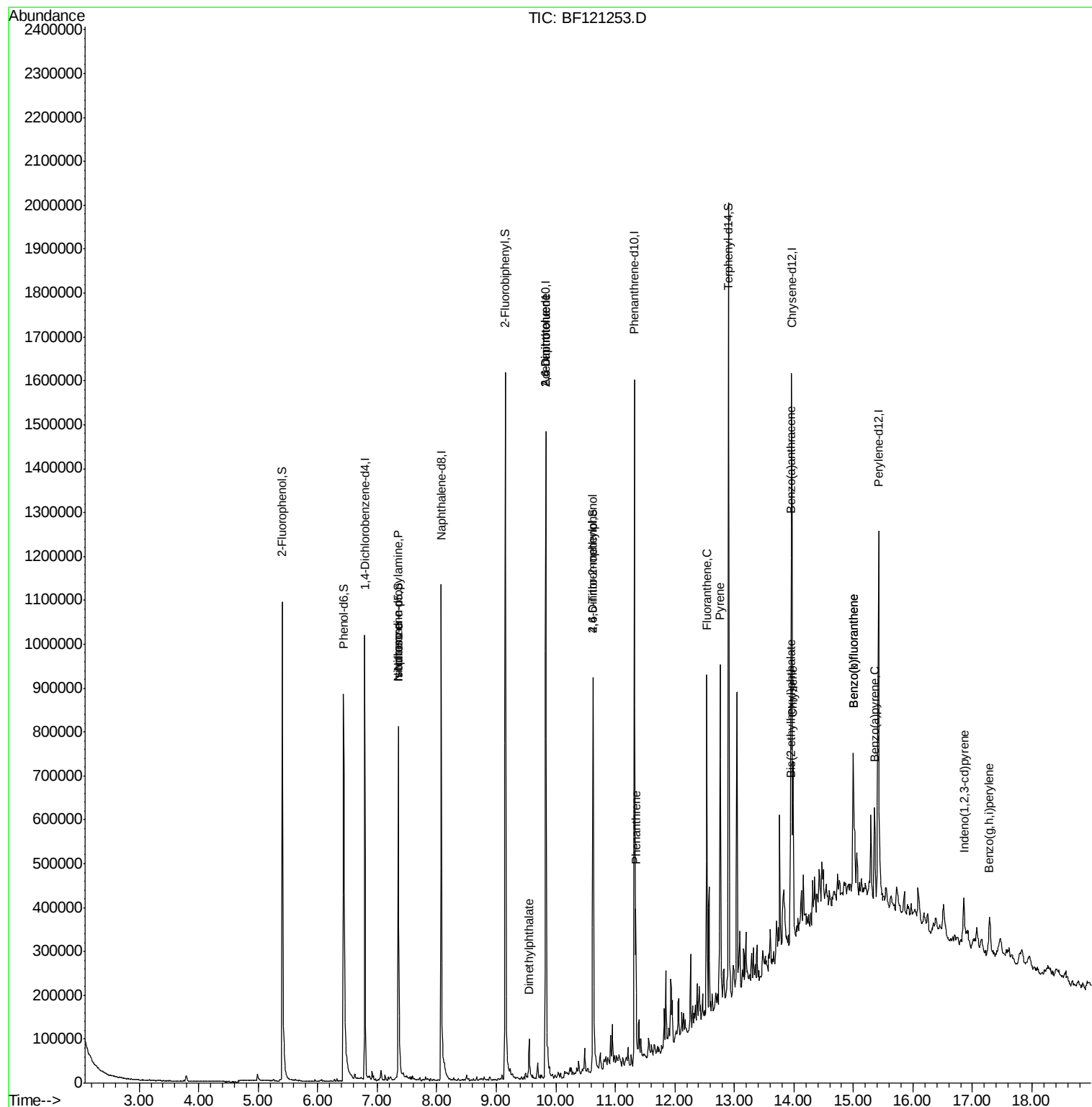
Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	273	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	39779	5.839	ng	# 77
25) Isophorone	7.36	82	311719	15.076	ng	# 62
50) Dimethylphthalate	9.55	163	46354	2.031	ng	99
51) 2,6-Dinitrotoluene	9.83	165	40604	8.281	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	40878	6.348	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.62	198	220	3.899	ng	# 1
71) Phenanthrene	11.35	178	117801	3.705	ng	98
75) Fluoranthene	12.53	202	309420	8.780	ng	98
78) Pyrene	12.76	202	329806	10.931	ng	98
81) Benzo(a)anthracene	13.95	228	129969	5.029	ng	98
83) Chrysene	13.99	228	161619	5.951	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	52572	3.170	ng	98
87) Indeno(1,2,3-cd)pyrene	16.85	276	73308	2.530	ng	96
88) Benzo(b)fluoranthene	15.00	252	236534	9.392	ng	# 96
89) Benzo(k)fluoranthene	15.00	252	236534	10.299	ng	# 96
90) Benzo(a)pyrene	15.36	252	105046	4.572	ng	95
92) Benzo(g,h,i)perylene	17.29	276	72239	3.095	ng	93

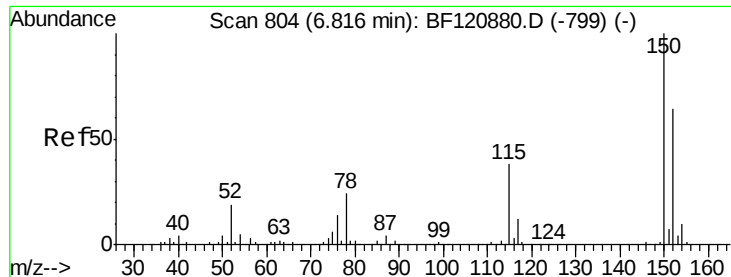
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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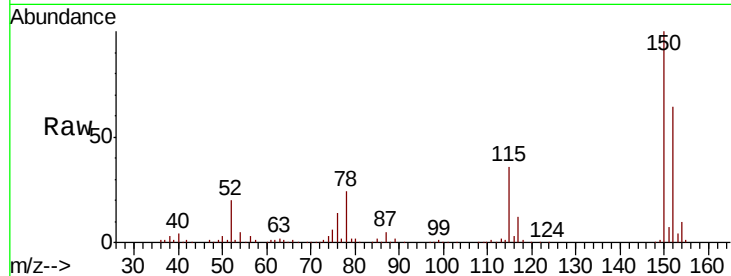


#1

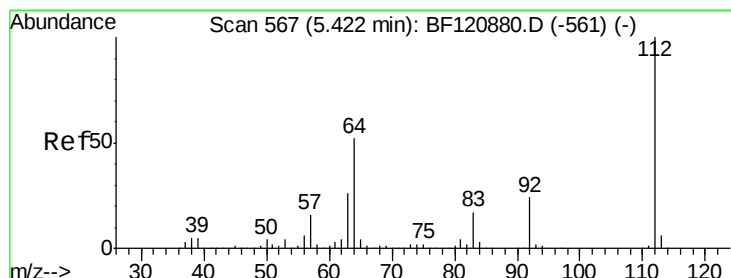
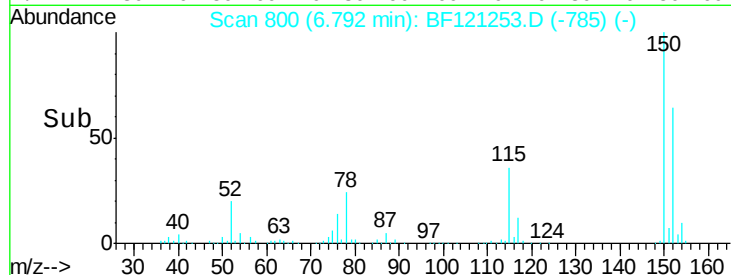
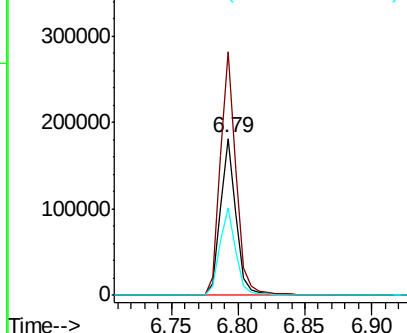
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121253.D
Acq: 11 Aug 2020 21:56

Instrument :
BNA_F
ClientSampleId :
CAR-WASH-AREA-1

Tot Ion:152 Resp: 152041
Ion Ratio Lower Upper
152 100
150 155.3 125.6 188.4
115 56.2 46.2 69.2



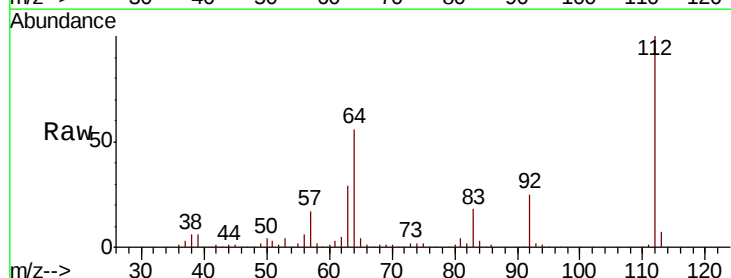
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



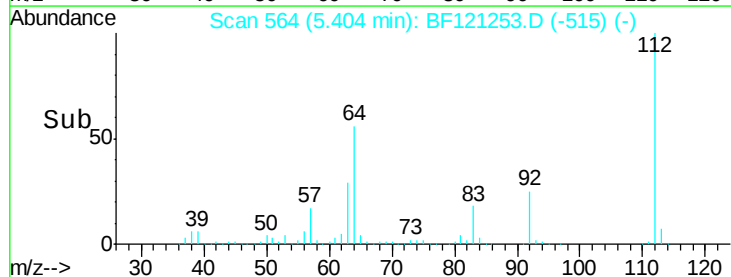
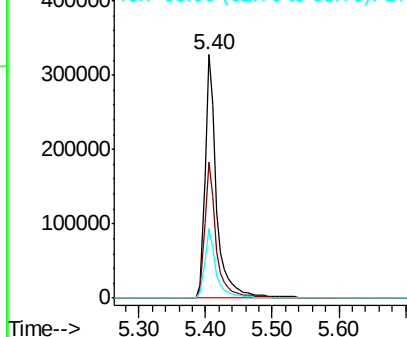
#5

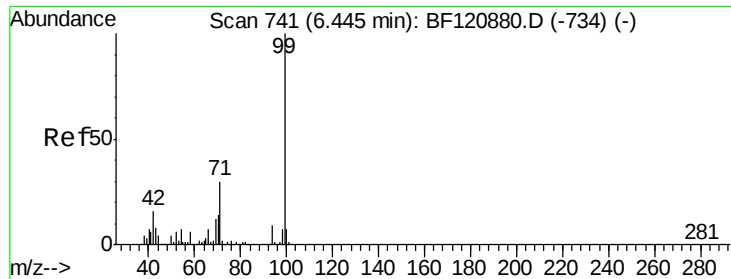
2-Fluorophenol
Concen: 42.421 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121253.D
Acq: 11 Aug 2020 21:56

Tgt Ion:112 Resp: 393427
Ion Ratio Lower Upper
112 100
64 56.1 43.9 65.9
63 28.7 22.7 34.1



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: 40.981 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

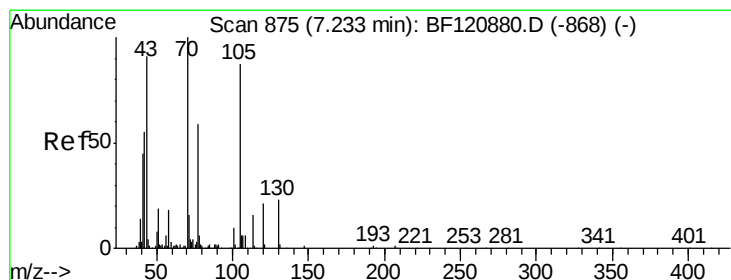
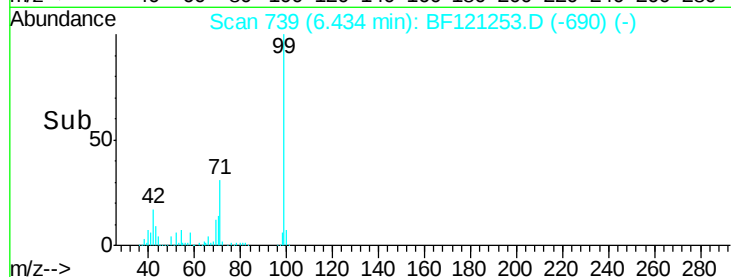
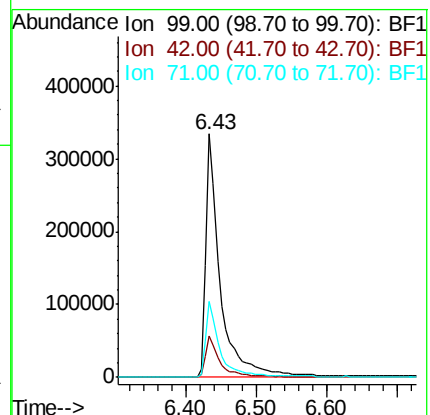
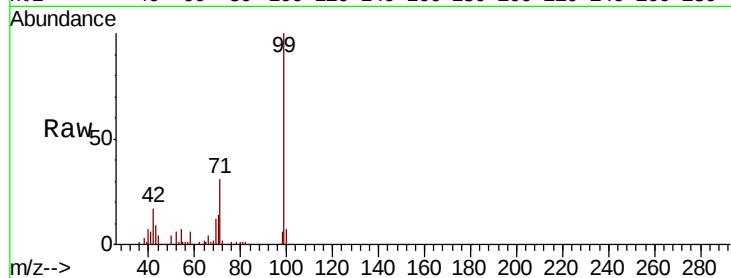
Tot Ion: 99 Resp: 490959

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

71 31.0 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.839 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Tgt Ion: 70 Resp: 39779

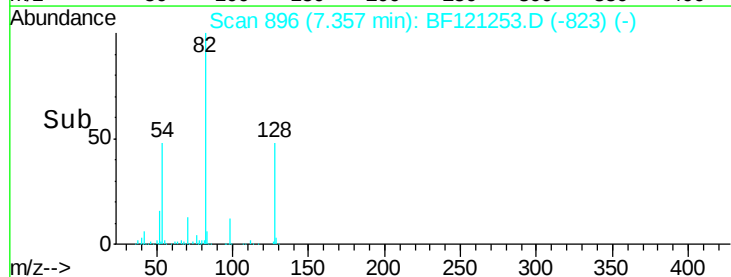
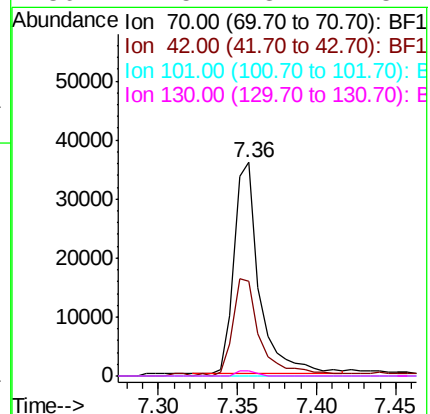
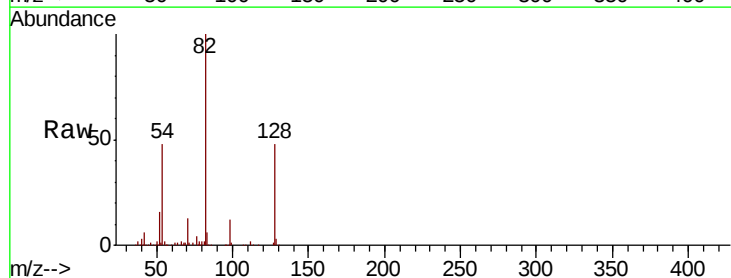
Ion Ratio Lower Upper

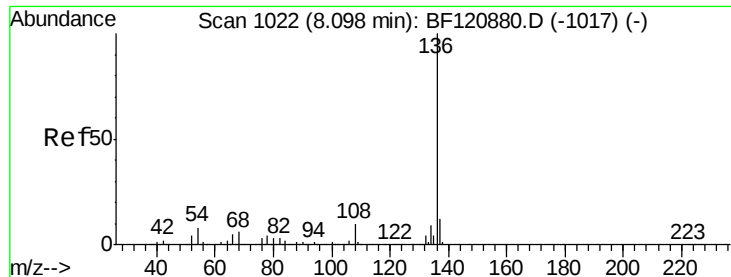
70 100

42 44.6 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: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

Tot Ion:136 Resp: 599450

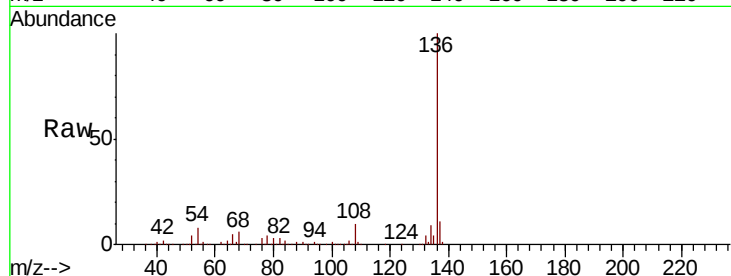
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.8 6.1 9.1

68 6.3 5.0 7.6

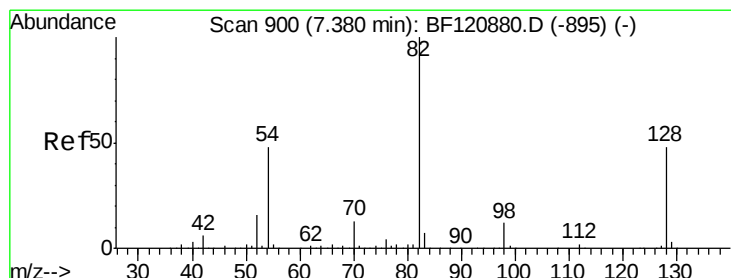
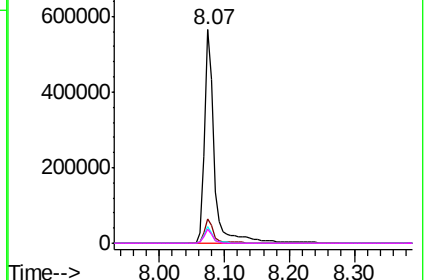
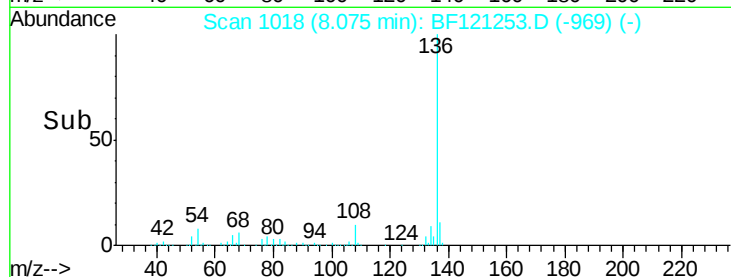


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.090 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

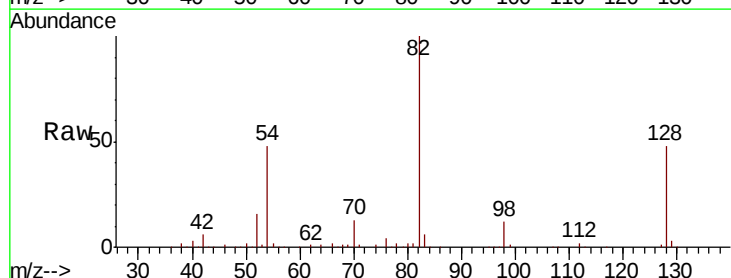
Tgt Ion: 82 Resp: 311723

Ion Ratio Lower Upper

82 100

128 48.0 39.2 58.8

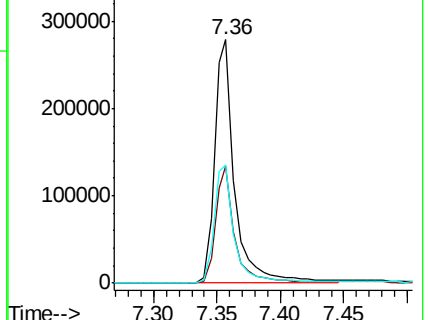
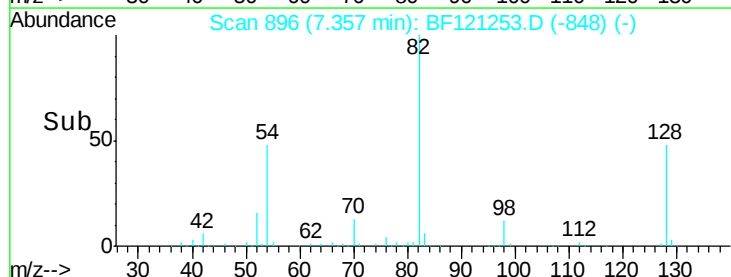
54 48.5 37.8 56.8

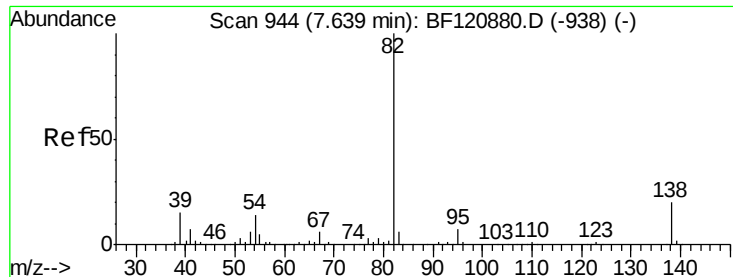


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.076 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

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BNA_F

ClientSampleId :

CAR-WASH-AREA-1

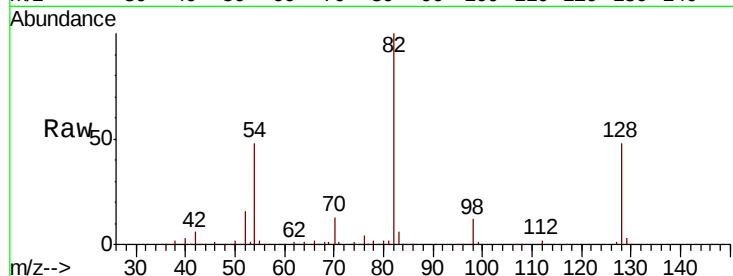
Tot Ion: 82 Resp: 311719

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

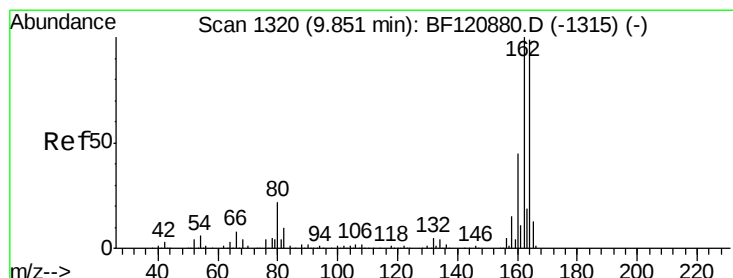
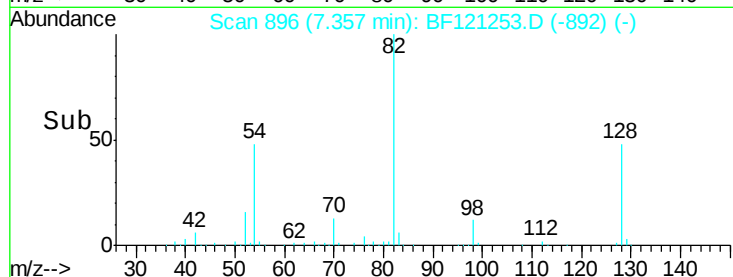
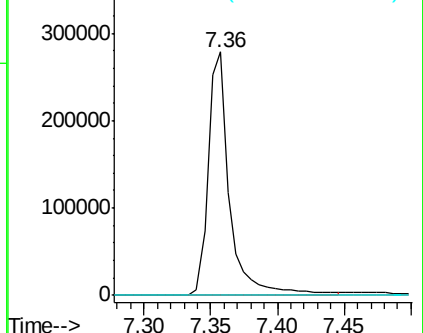
138 0.0 16.2 24.2#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

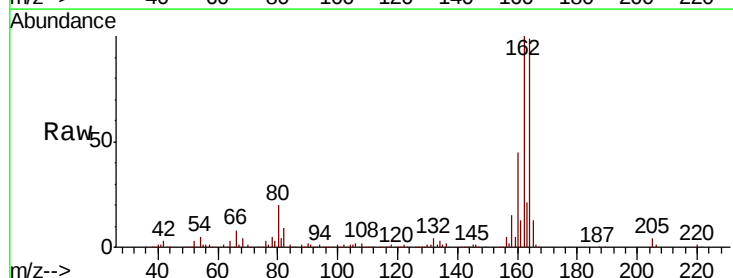
Tgt Ion: 164 Resp: 316360

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.2

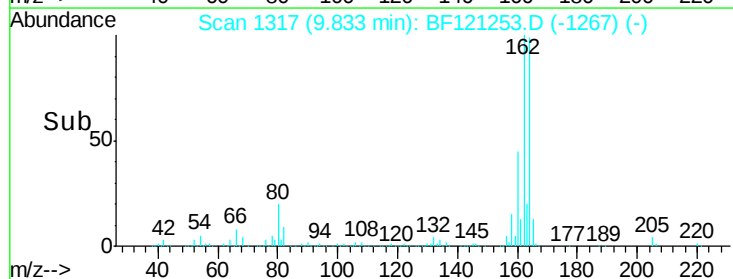
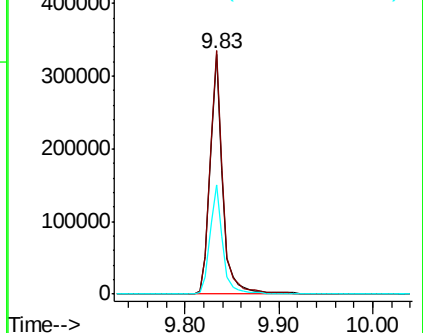
160 45.5 37.2 55.8

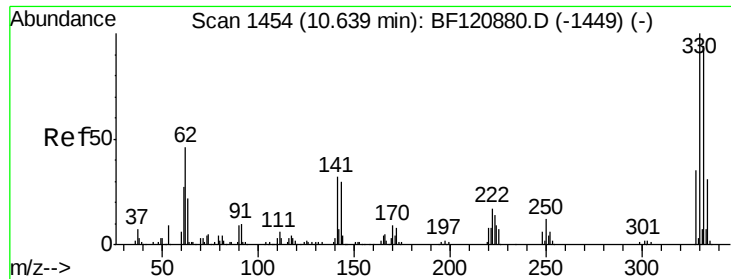


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 44.696 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

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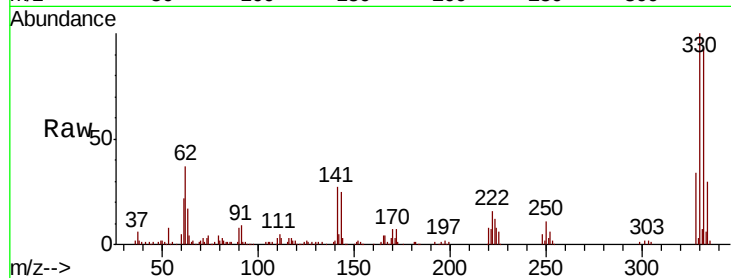
Tot Ion:330 Resp: 154775

Ion Ratio Lower Upper

330 100

332 95.5 76.1 114.1

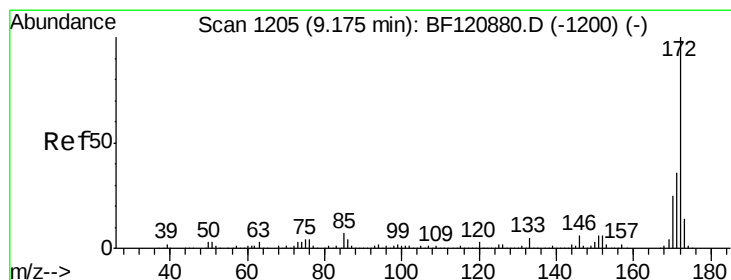
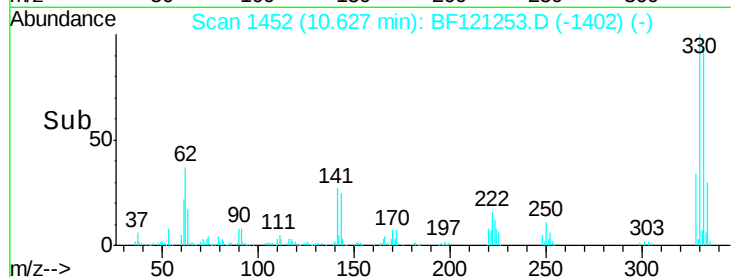
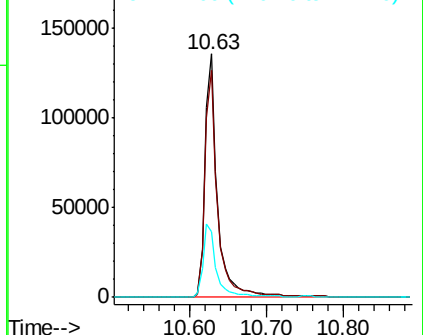
141 32.4 24.1 36.1



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: 28.784 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

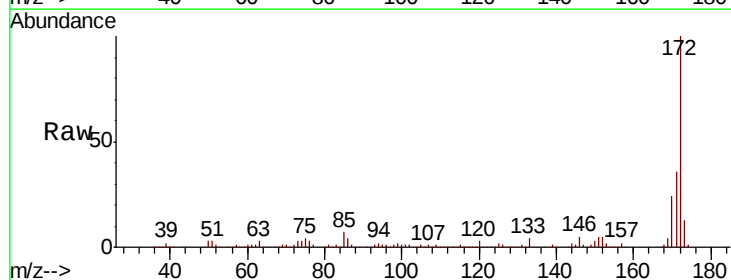
Tgt Ion:172 Resp: 609894

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.4

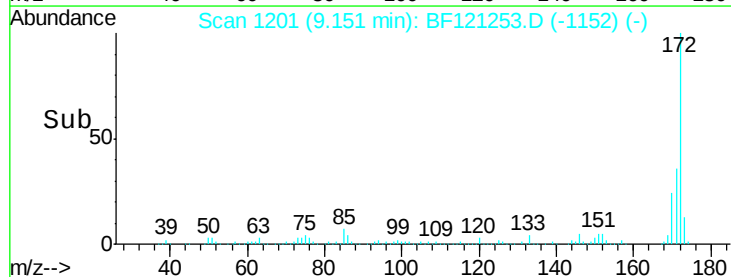
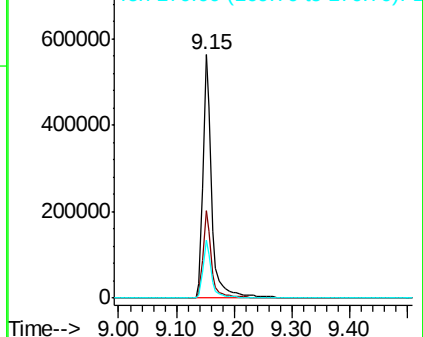
170 23.7 19.6 29.4

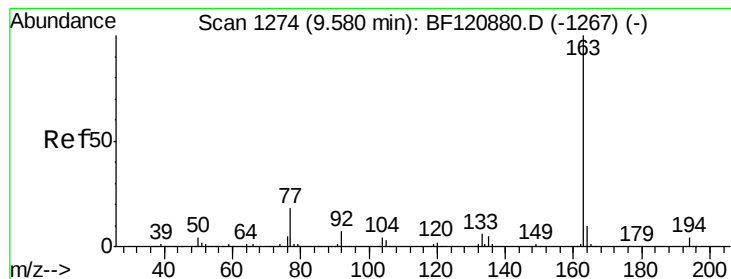


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.031 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121253.D

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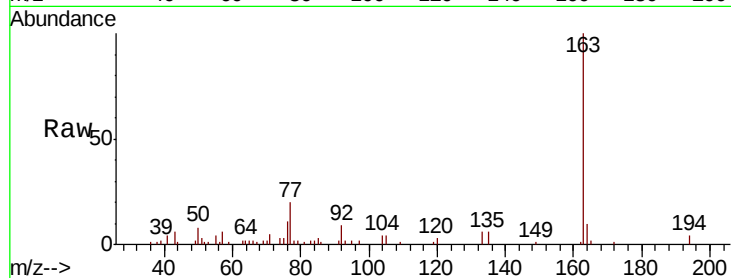
Tot Ion:163 Resp: 46354

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

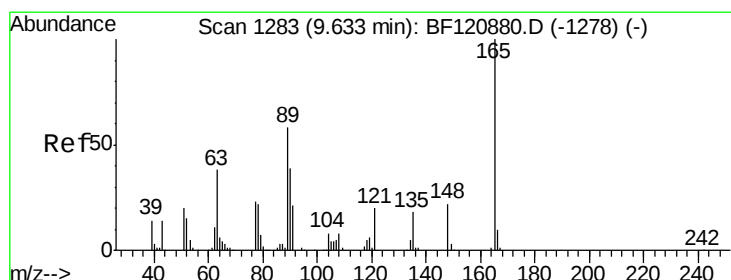
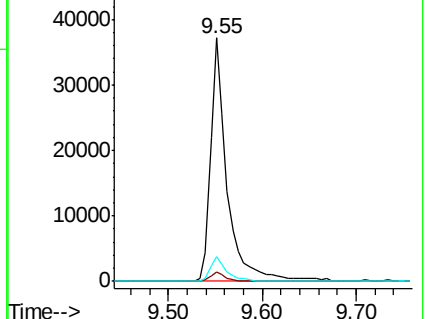
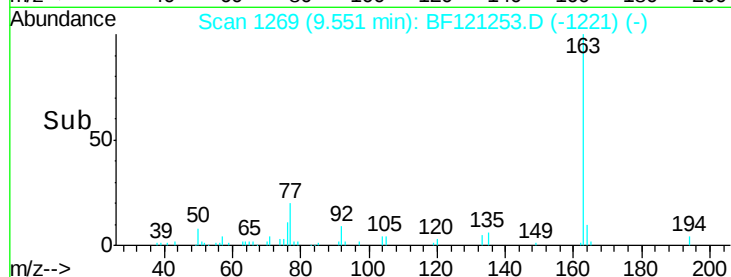
164 10.2 8.4 12.6



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: 8.281 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

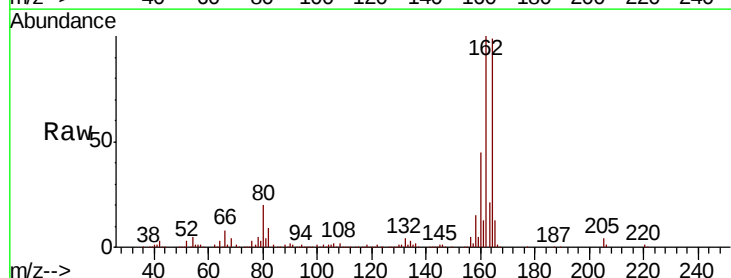
Tgt Ion:165 Resp: 40604

Ion Ratio Lower Upper

165 100

63 1.7 41.1 61.7#

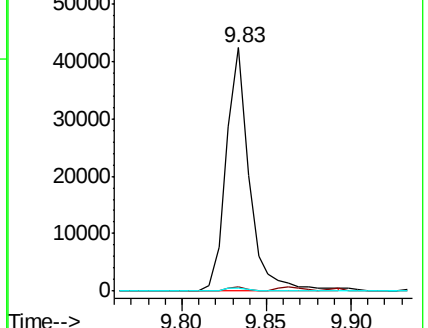
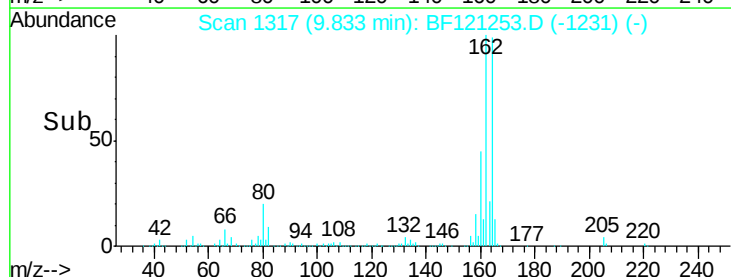
89 1.5 43.5 65.3#

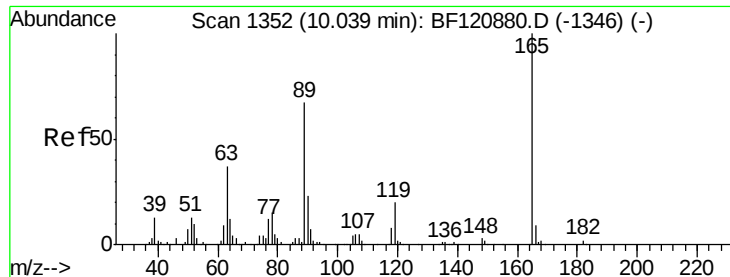


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.348 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.20 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

Tot Ion:165 Resp: 40878

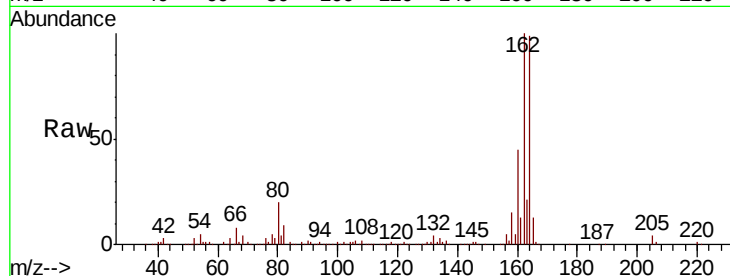
Ion Ratio Lower Upper

165 100

63 1.7 29.8 44.8#

89 1.5 50.3 75.5#

182 0.0 2.1 3.1#

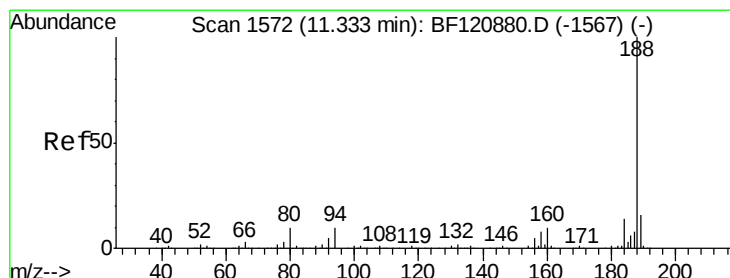
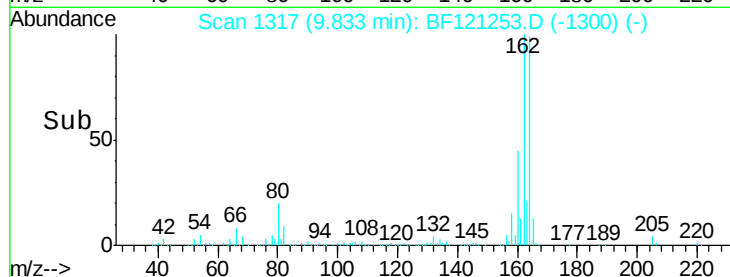
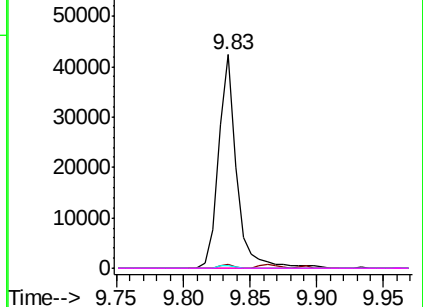


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

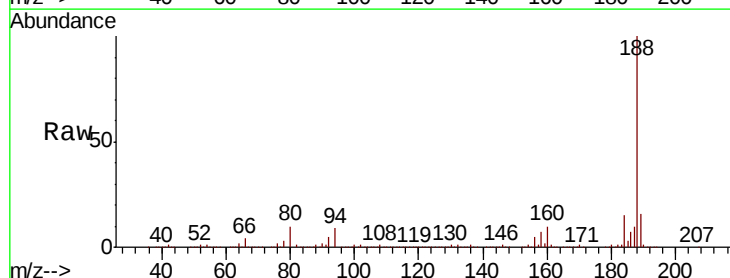
Tgt Ion:188 Resp: 618197

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

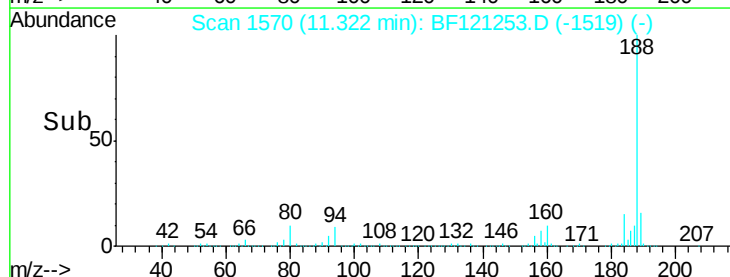
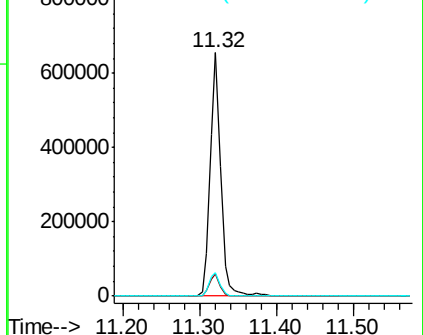
80 9.6 8.3 12.5

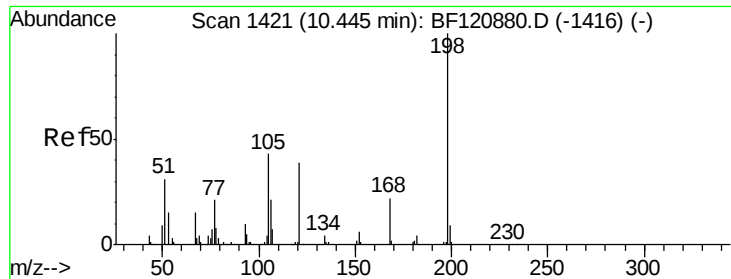


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.899 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.18 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

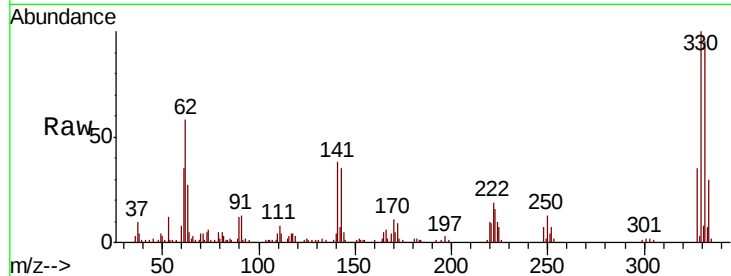
Tot Ion:198 Resp: 220

Ion Ratio Lower Upper

198 100

51 226.6 23.4 63.4#

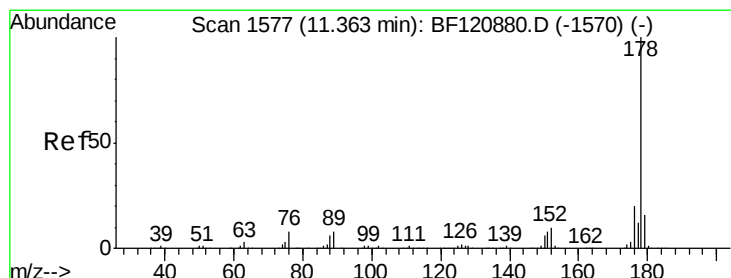
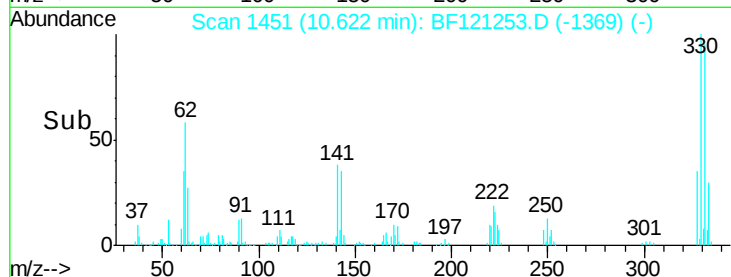
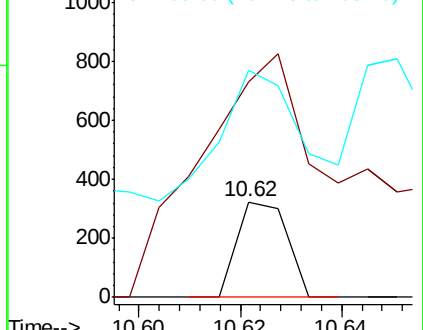
105 238.4 23.7 63.7#



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: 3.705 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

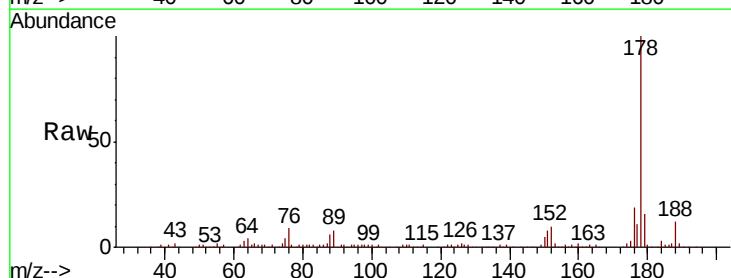
Tgt Ion:178 Resp: 117801

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

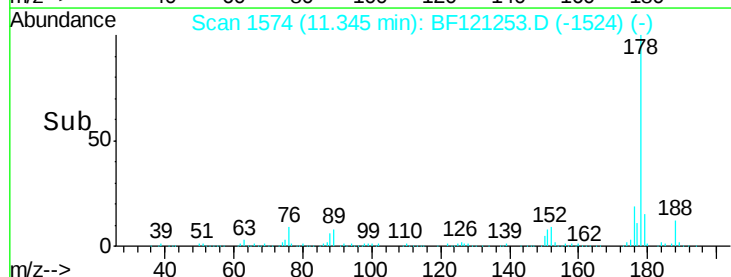
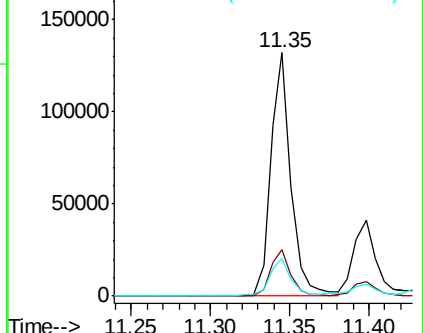
179 15.6 12.6 19.0

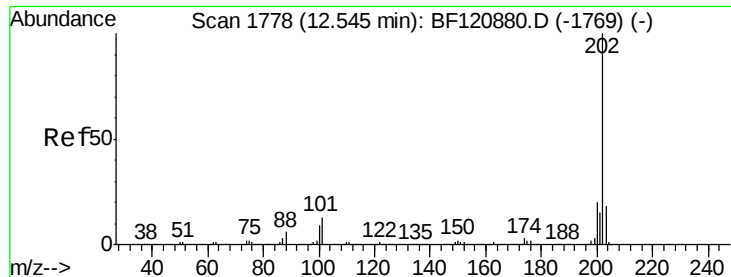


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.780 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

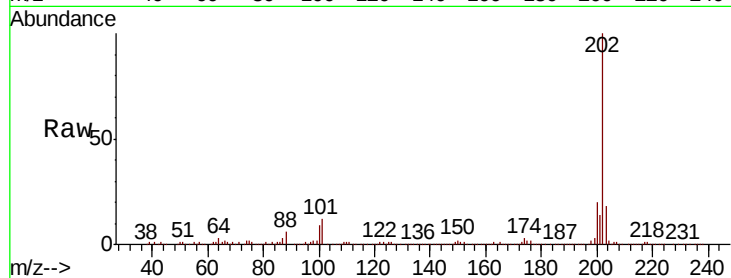
Tot Ion:202 Resp: 309420

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.5

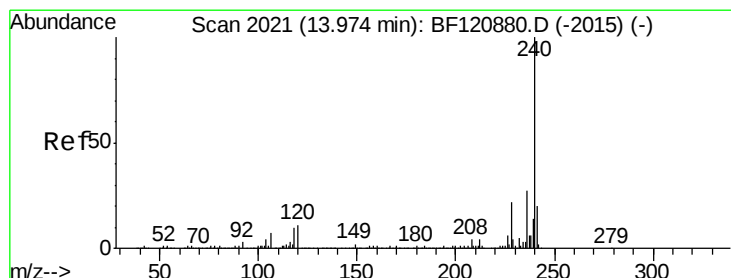
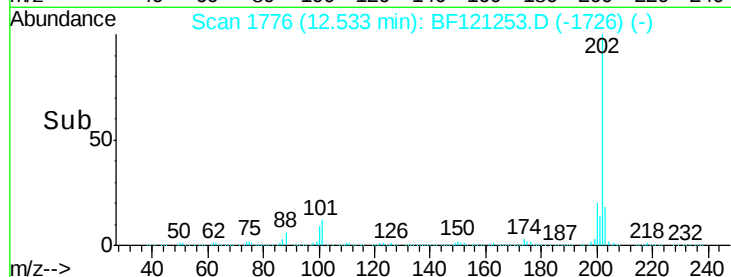
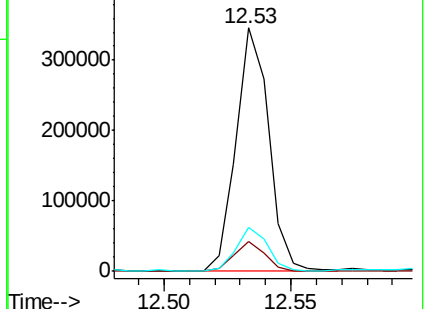
203 18.0 0.0 37.7



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: BF121253.D

Acq: 11 Aug 2020 21:56

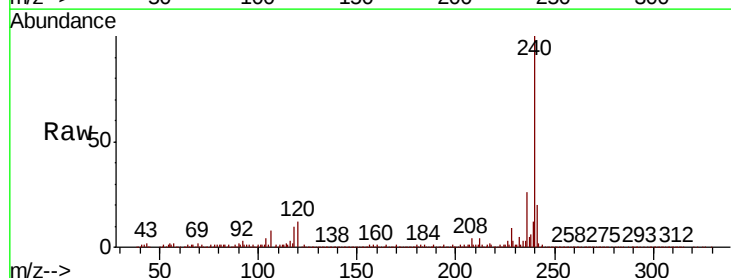
Tgt Ion:240 Resp: 426763

Ion Ratio Lower Upper

240 100

120 12.0 9.3 13.9

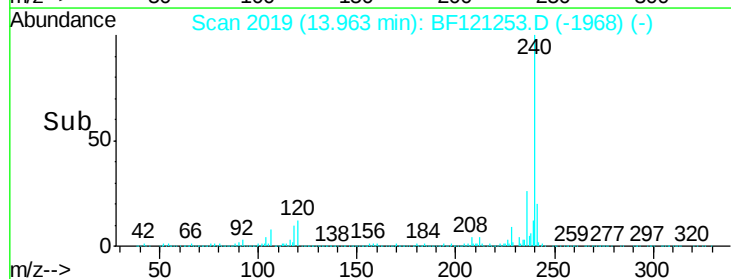
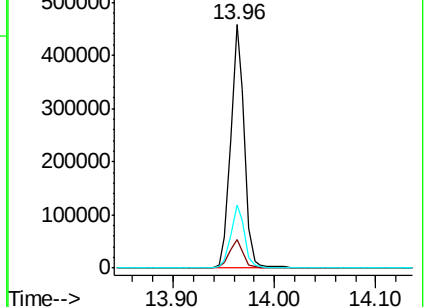
236 26.2 21.1 31.7

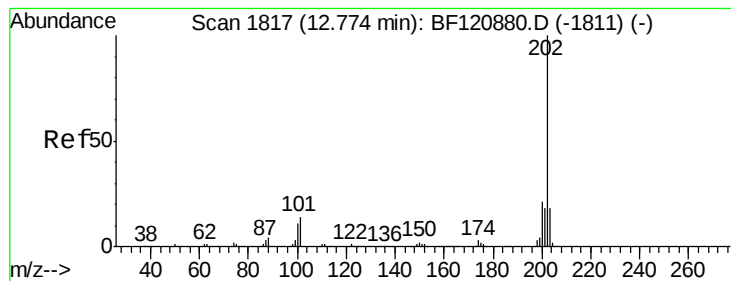


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.931 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

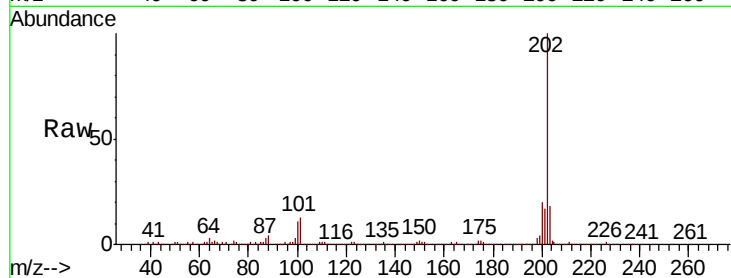
Tot Ion:202 Resp: 329806

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

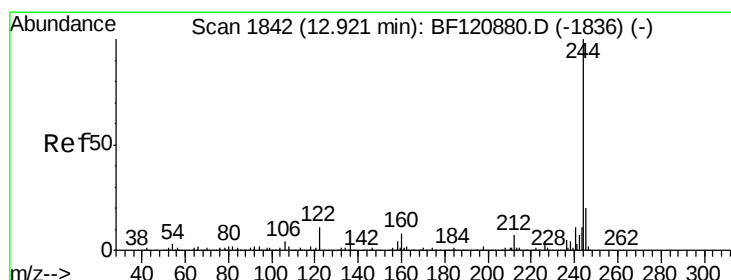
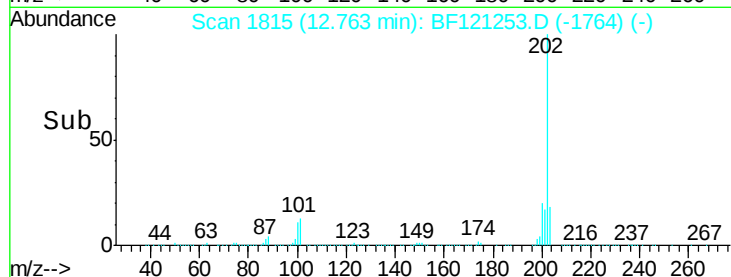
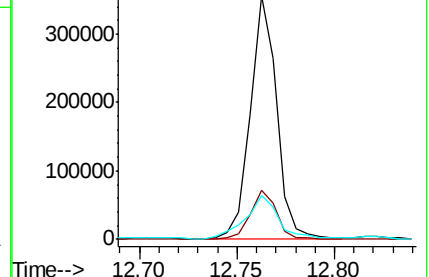
203 18.0 14.6 21.8



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: 29.320 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

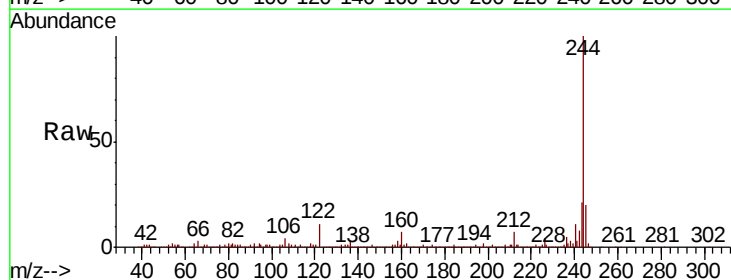
Tgt Ion:244 Resp: 575626

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

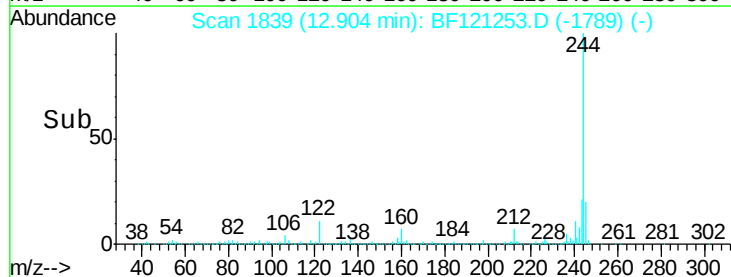
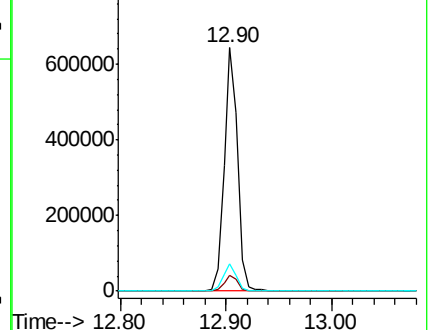
122 11.4 8.3 12.5

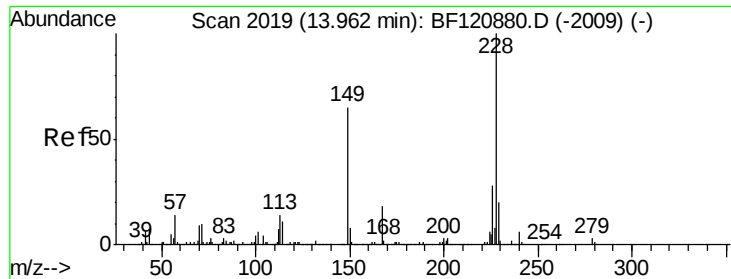


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

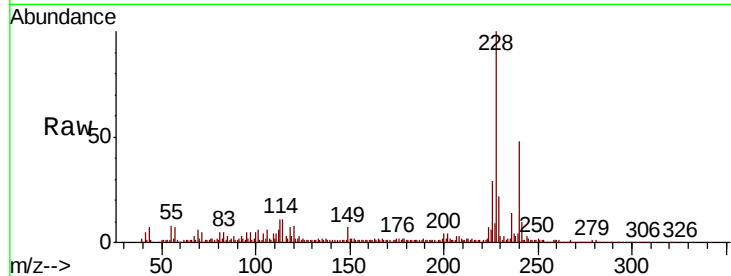




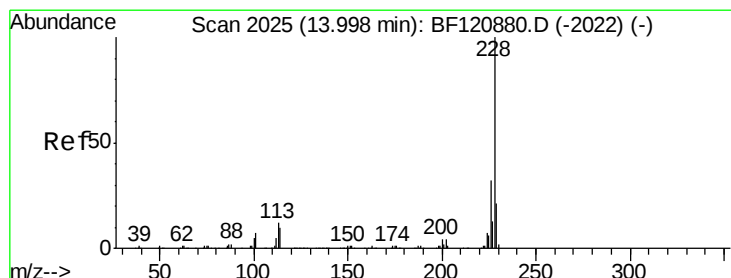
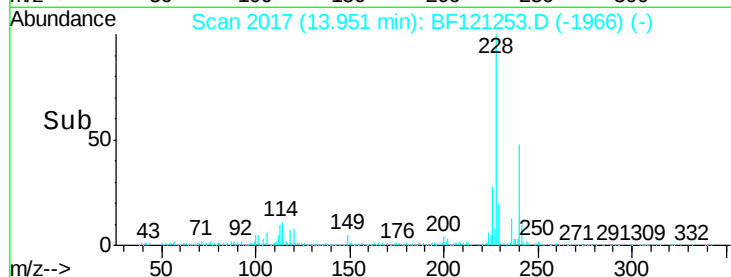
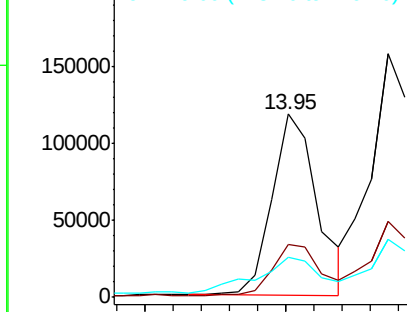
#81
Benzo(a)anthracene
Concen: 5.029 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF121253.D
Acq: 11 Aug 2020 21:56

Instrument :
BNA_F
ClientSampleId :
CAR-WASH-AREA-1

Tot Ion:228 Resp: 129969
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 21.7 16.1 24.1

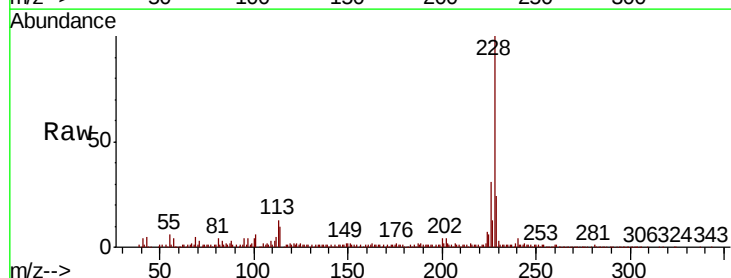


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

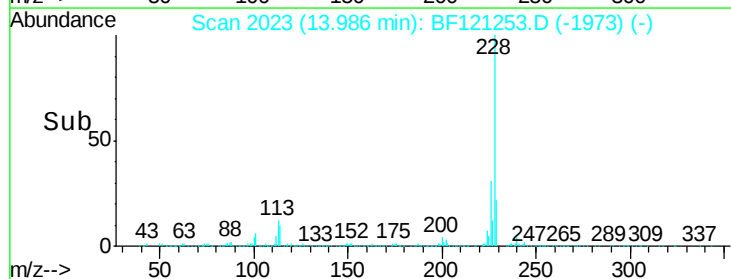
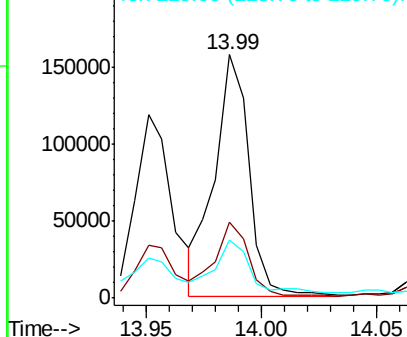


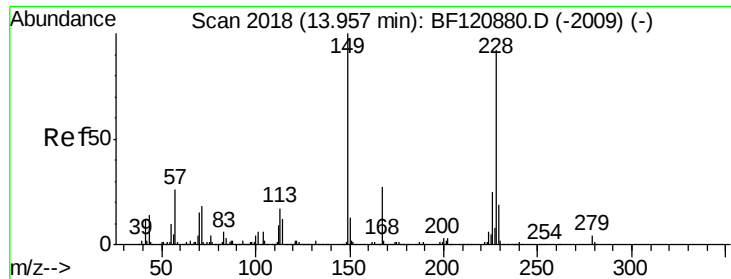
#83
Chrysene
Concen: 5.951 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121253.D
Acq: 11 Aug 2020 21:56

Tgt Ion:228 Resp: 161619
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.0
229 23.7 16.2 24.4



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.170 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

Instrument :

BNA_F

ClientSampleId :

CAR-WASH-AREA-1

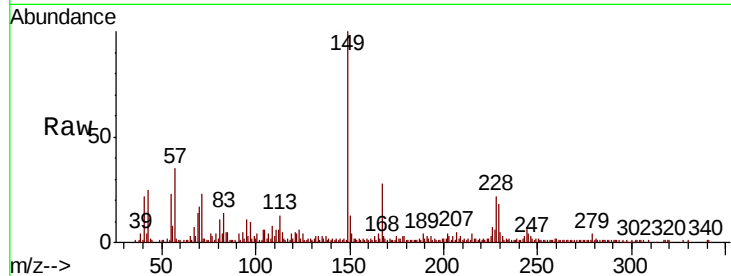
Tot Ion:149 Resp: 52572

Ion Ratio Lower Upper

149 100

167 28.0 21.8 32.6

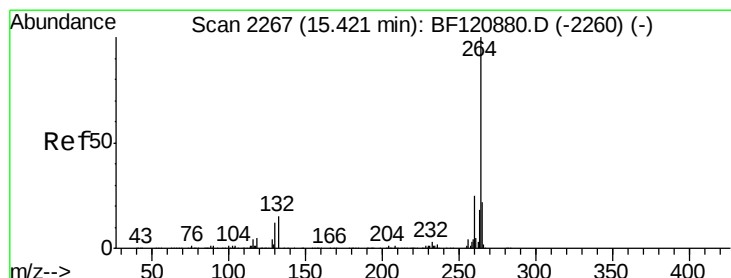
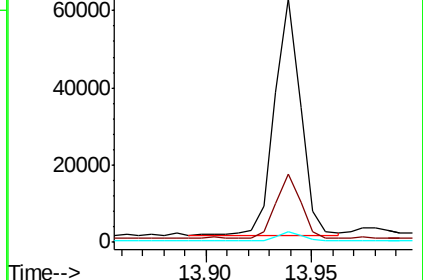
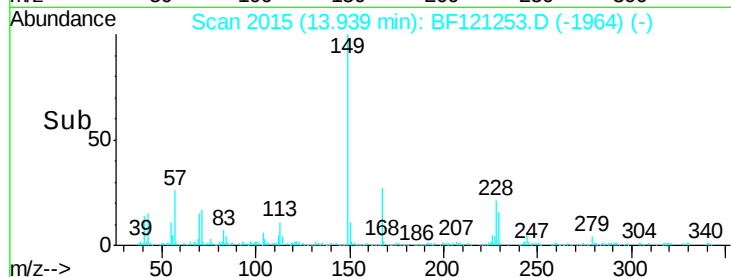
279 4.3 2.9 4.3



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# 2266

Delta R.T. 0.01 min

Lab File: BF121253.D

Acq: 11 Aug 2020 21:56

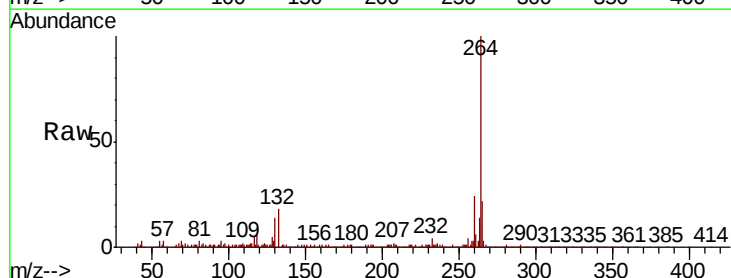
Tgt Ion:264 Resp: 416629

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

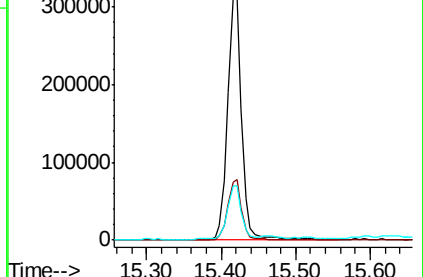
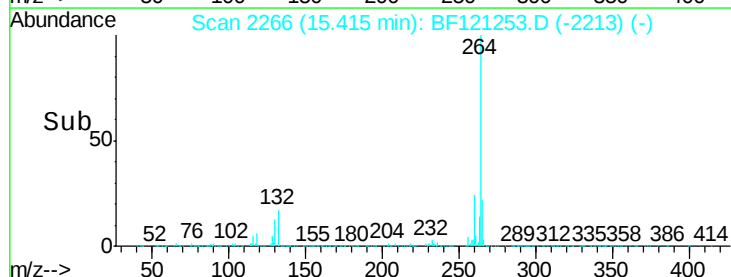
265 22.1 17.8 26.8

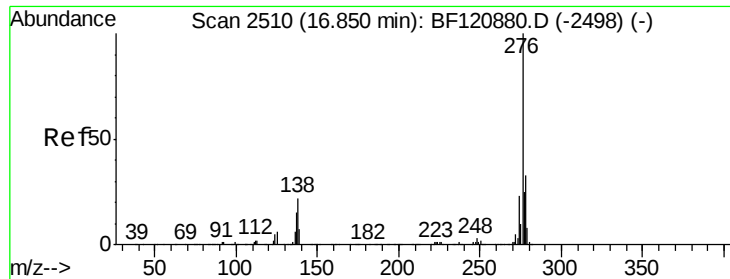


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

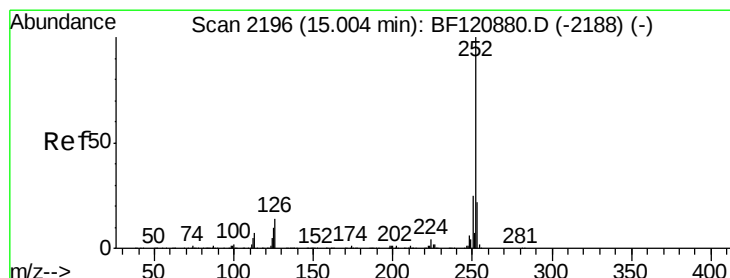
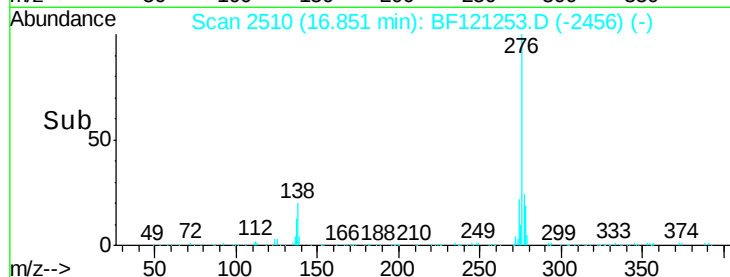
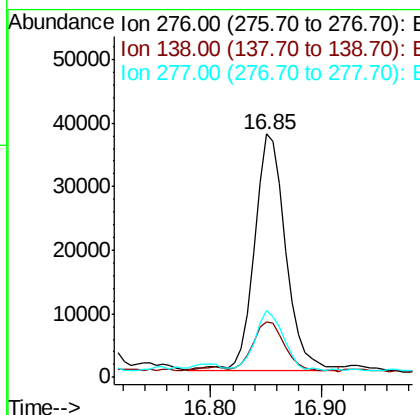
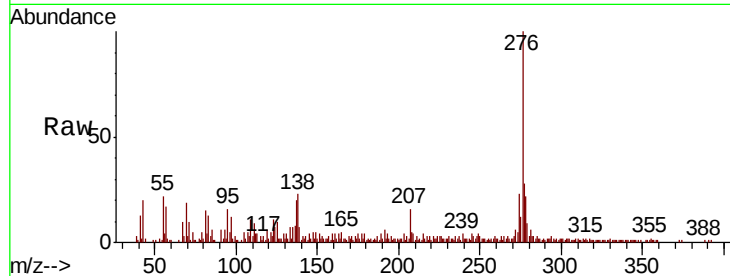




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.530 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. 0.02 min
 Lab File: BF121253.D
 Acq: 11 Aug 2020 21:56

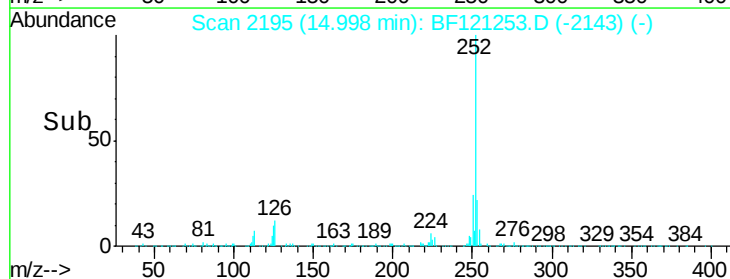
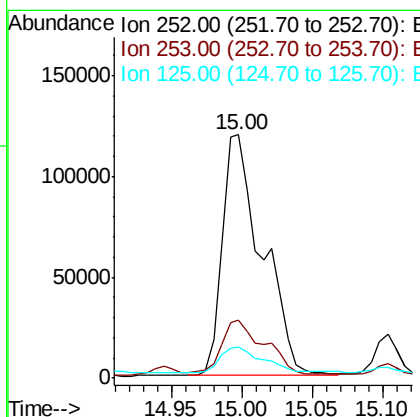
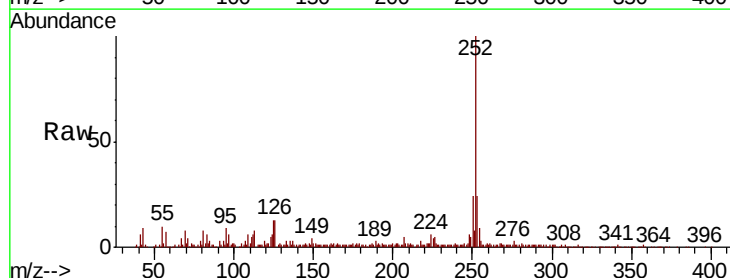
Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-1

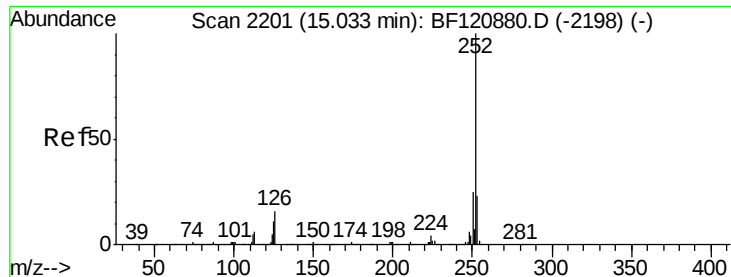
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.3	28.9
277	23.3	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 9.392 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121253.D
 Acq: 11 Aug 2020 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.6	8.1	12.1#

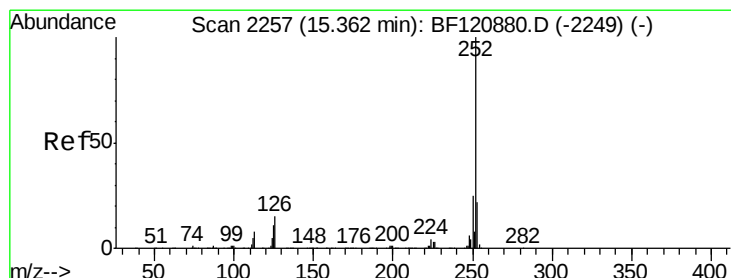
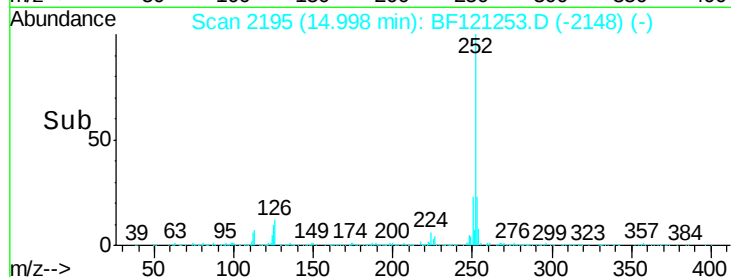
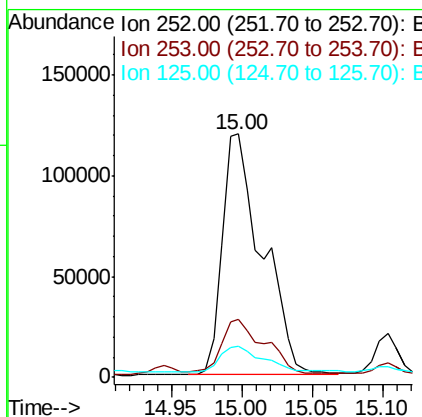
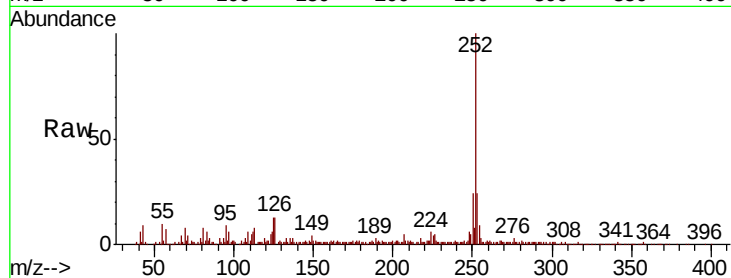




#89
Benzo(k)fluoranthene
Concen: 10.299 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF121253.D
Acq: 11 Aug 2020 21:56

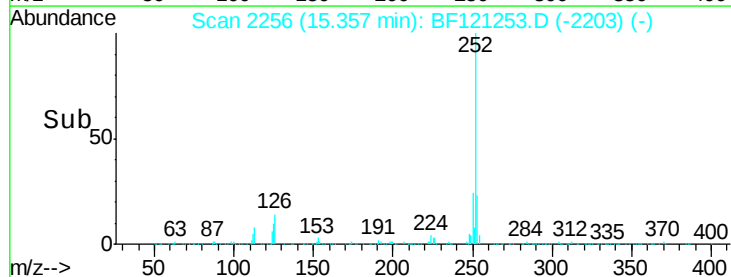
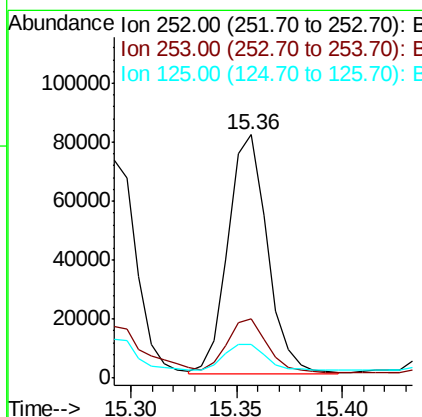
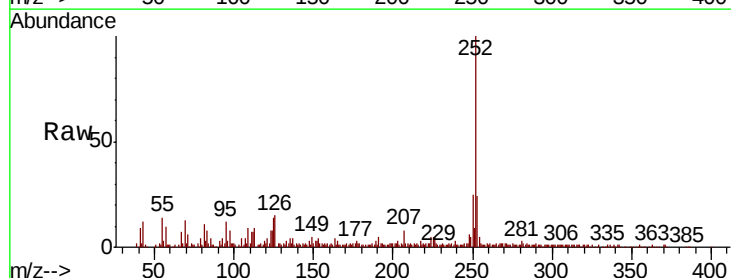
Instrument :
BNA_F
ClientSampleId :
CAR-WASH-AREA-1

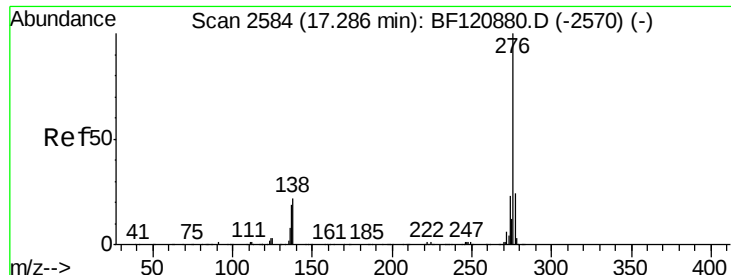
Tot Ion:252 Resp: 236534
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 12.6 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 4.572 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121253.D
Acq: 11 Aug 2020 21:56

Tgt Ion:252 Resp: 105046
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 14.0 9.5 14.3

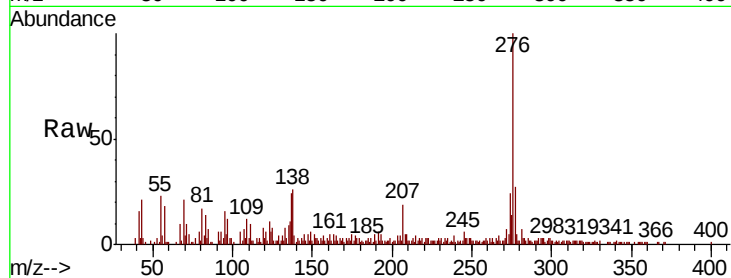




#92
 Benzo(a,h,i)perylene
 Concen: 3.095 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.02 min
 Lab File: BF121253.D
 Acq: 11 Aug 2020 21:56

Instrument :
 BNA_F
 ClientSampleId :
 CAR-WASH-AREA-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.4	29.0
138	25.7	17.2	25.8



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

