

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100920\
 Data File : BF121910.D
 Acq On : 9 Oct 2020 17:13
 Operator : JU/CG
 Sample : L4316-03 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26414

Quant Time: Oct 09 18:03:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

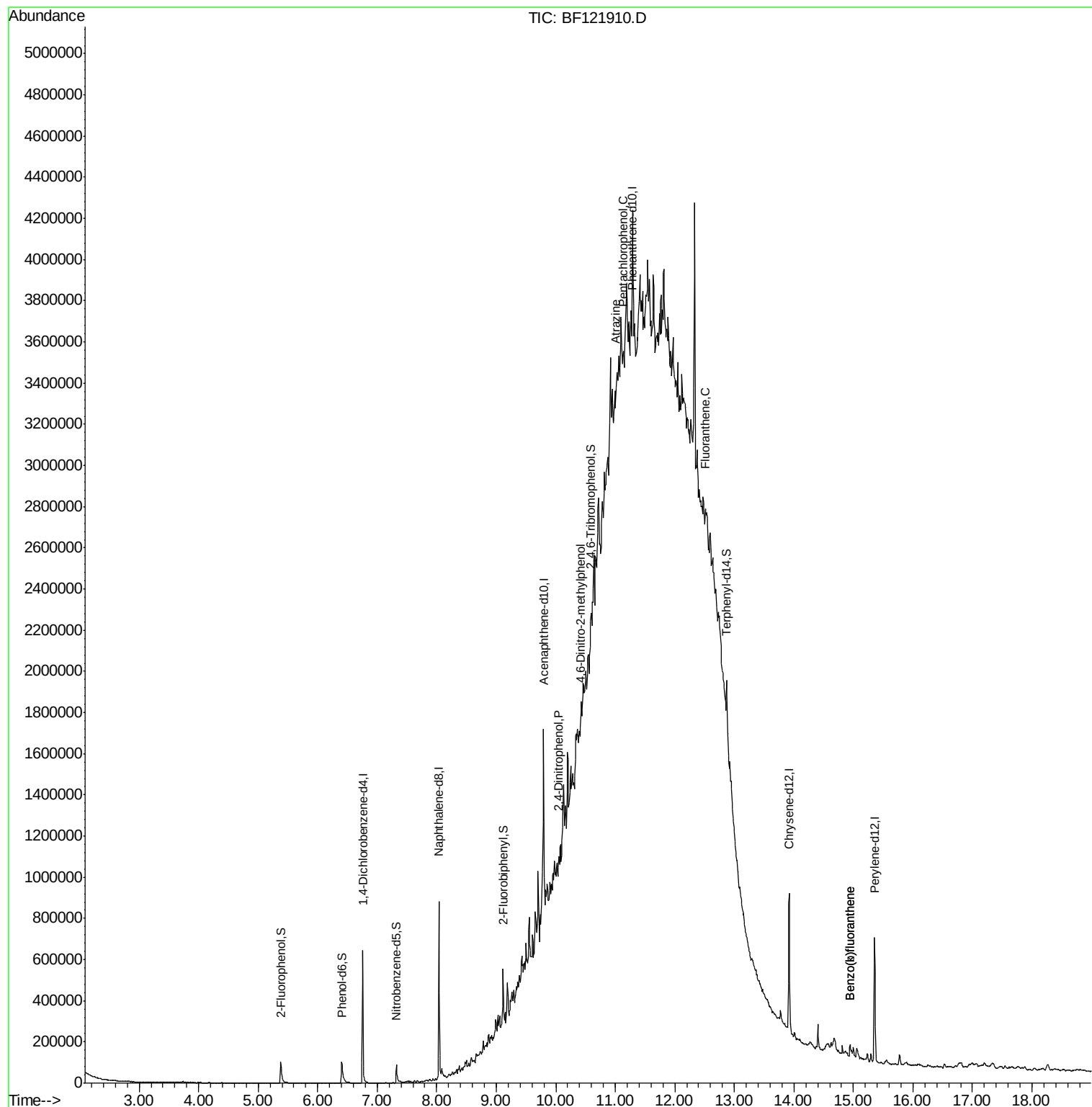
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	101135	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	391038	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	166741	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	226808	20.00	ng	0.00
76) Chrysene-d12	13.92	240	236701	20.00	ng	-0.01
86) Perylene-d12	15.36	264	254258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	51556	7.58	ng	0.00
7) Phenol-d6	6.40	99	68208	7.64	ng	-0.01
23) Nitrobenzene-d5	7.32	82	43520	5.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	15160	7.32	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	92065	8.36	ng	-0.02
79) Terphenyl-d14	12.87	244	65838	5.64	ng	-0.01
Target Compounds						
54) 2,4-Dinitrophenol	10.05	184	161	9.144	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.41	198	511	7.167	ng	# 1
69) Atrazine	11.00	200	7137	3.692	ng	# 1
70) Pentachlorophenol	11.13	266	4149	2.592	ng	# 1
75) Fluoranthene	12.50	202	27292	2.069	ng	78
88) Benzo(b)fluoranthene	14.94	252	37947	2.233	ng	# 91
89) Benzo(k)fluoranthene	14.94	252	37947	2.438	ng	# 90

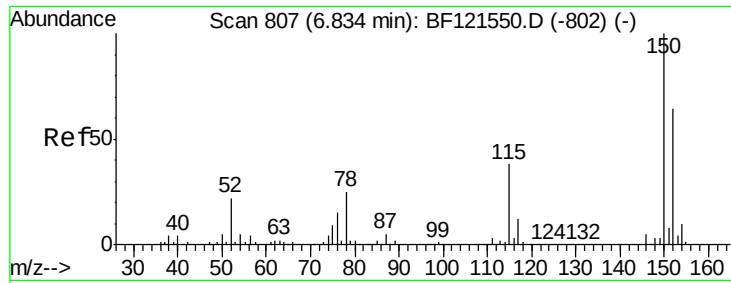
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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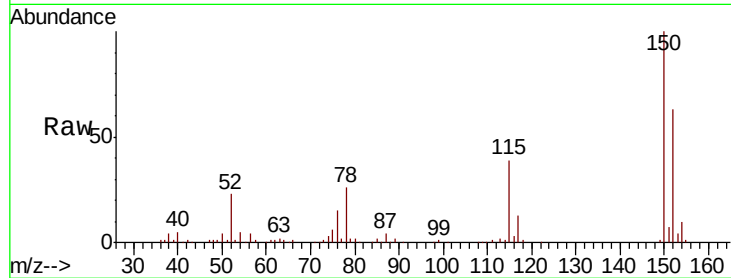


#1

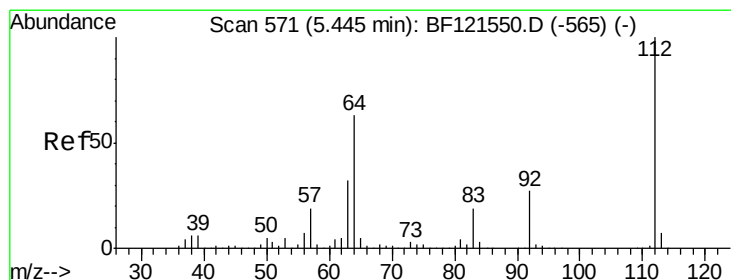
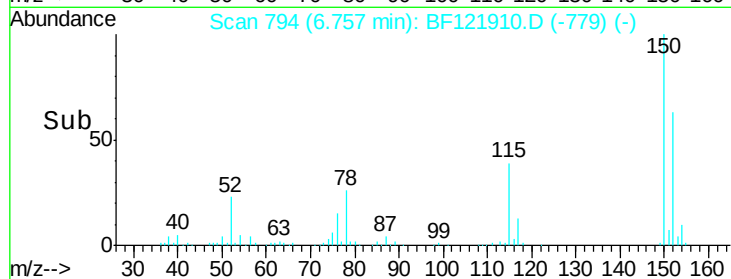
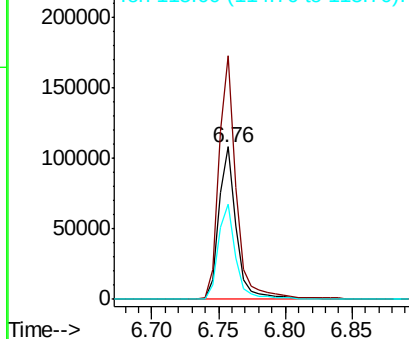
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Instrument :
 BNA_F
 ClientSampled :
 26414

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.3	187.9
115	62.1	51.9	77.9



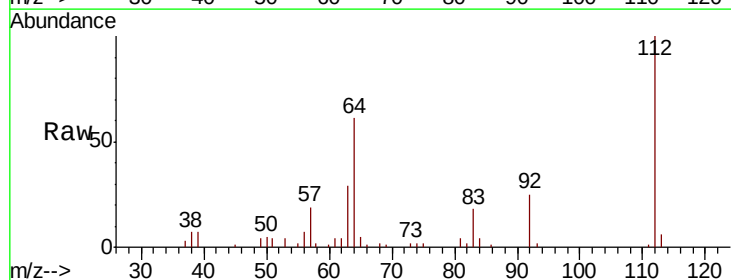
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



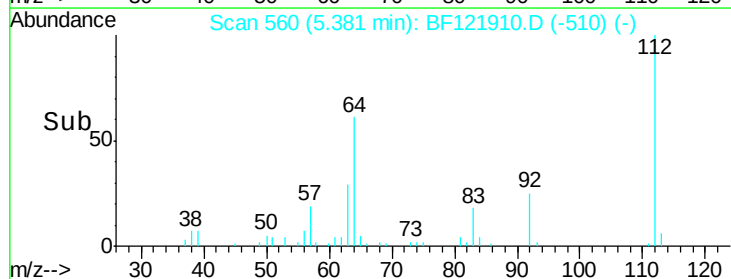
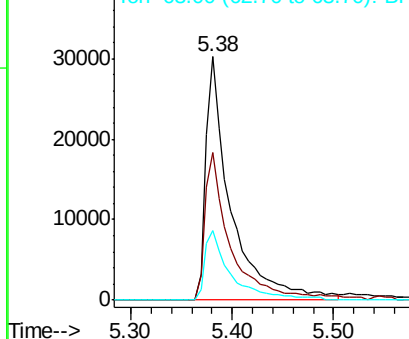
#5

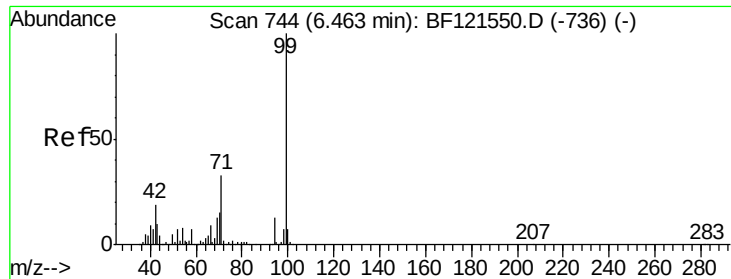
2-Fluorophenol
 Concen: 7.576 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	50.4	75.6
63	28.6	25.8	38.6



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: 7.640 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121910.D

Acq: 9 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

26414

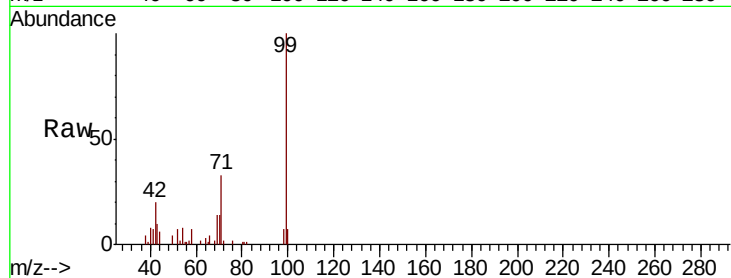
Tot Ion: 99 Resp: 68208

Ion Ratio Lower Upper

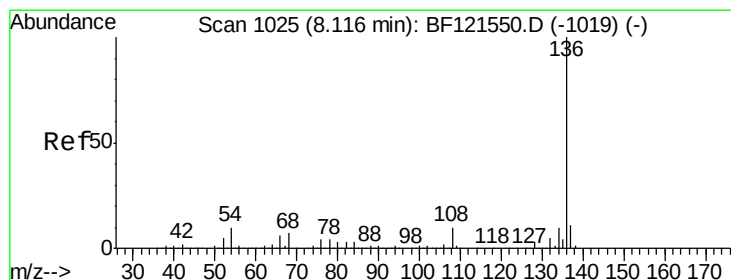
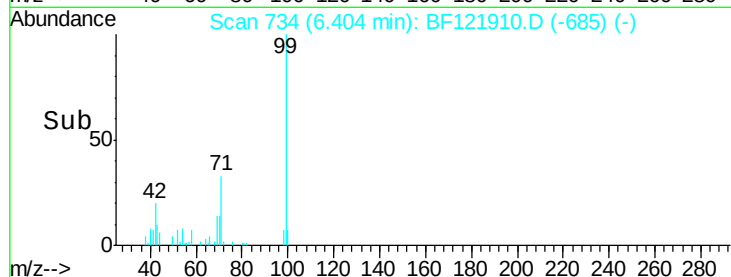
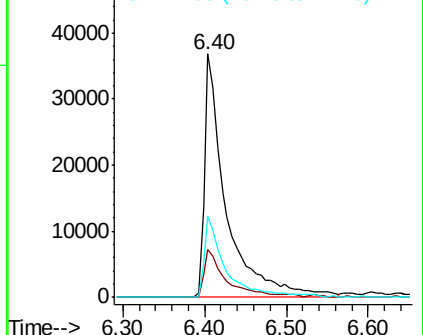
99 100

42 19.6 15.9 23.9

71 33.1 27.1 40.7



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: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF121910.D

Acq: 9 Oct 2020 17:13

Tgt Ion: 136 Resp: 391038

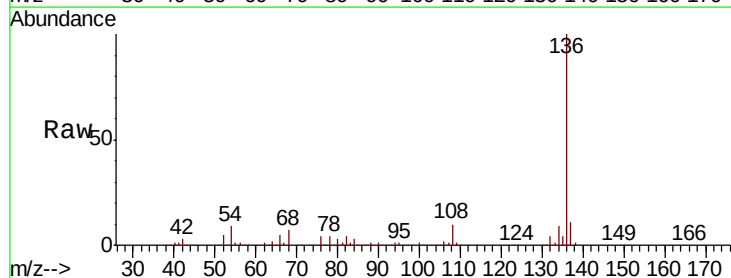
Ion Ratio Lower Upper

136 100

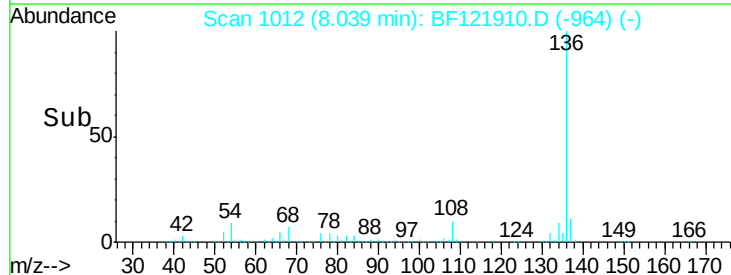
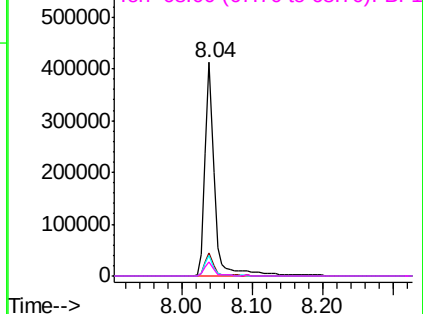
137 10.9 8.6 13.0

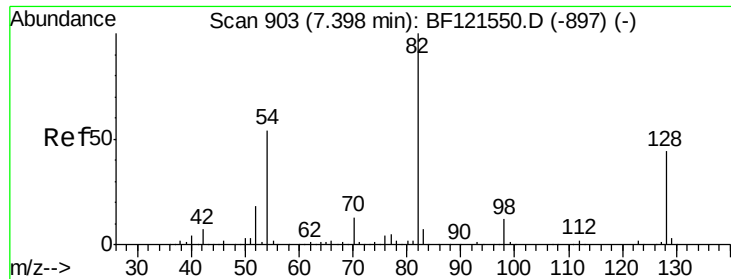
54 9.3 7.1 10.7

68 6.5 5.0 7.4



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

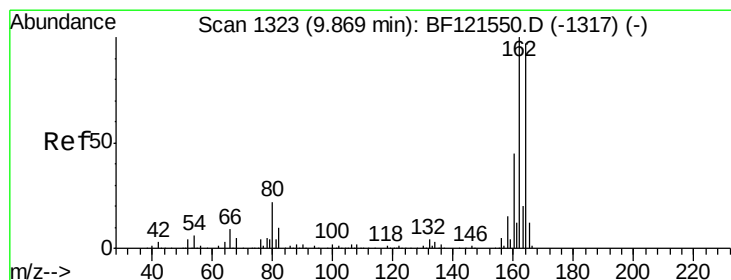
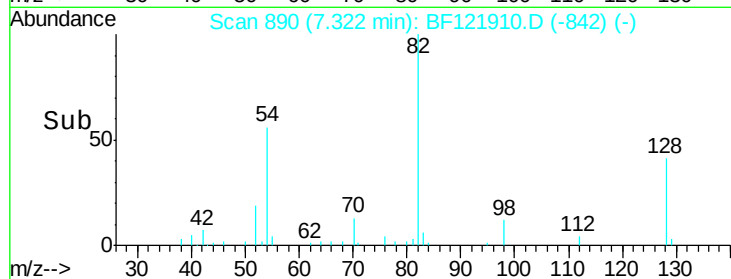
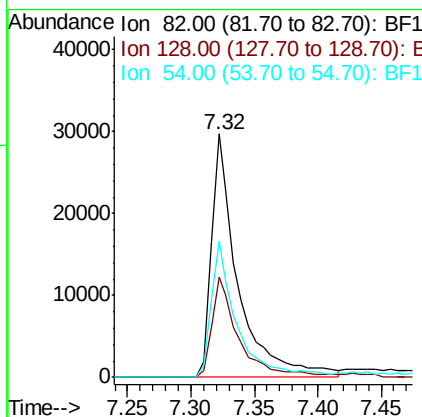
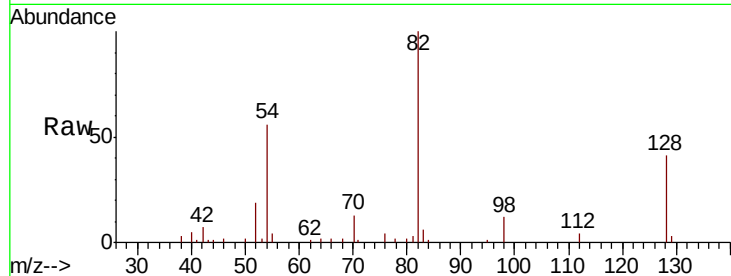




#23
 Nitrobenzene-d5
 Concen: 5.976 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

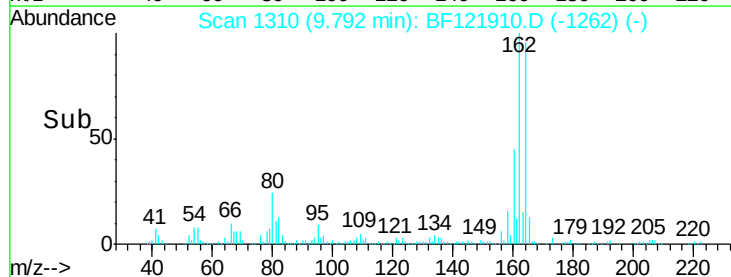
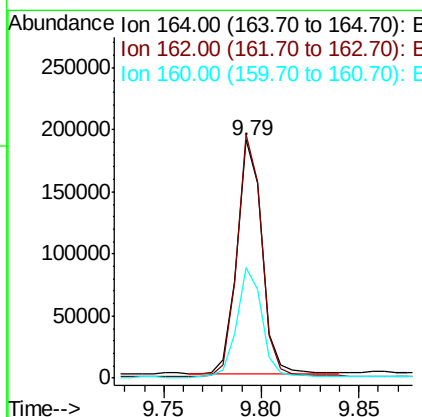
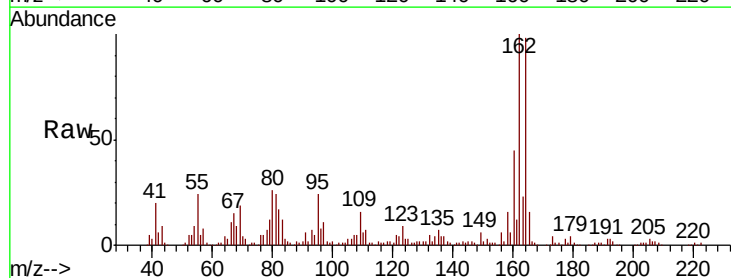
Instrument :
 BNA_F
 ClientSampleId :
 26414

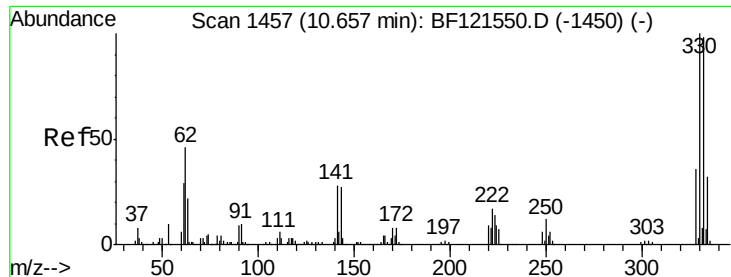
Tot Ion	82	Resp	43520
Ion Ratio	Lower	Upper	
82	100		
128	41.0	35.0	52.4
54	56.1	43.9	65.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Tgt Ion	164	Resp	166741
Ion Ratio	Lower	Upper	
164	100		
162	102.2	83.2	124.8
160	46.3	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 7.315 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121910.D

Acq: 9 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

26414

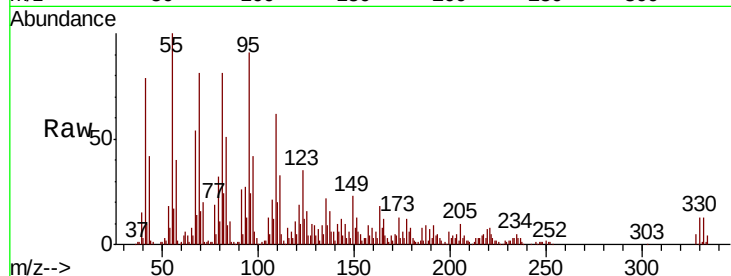
Tot Ion:330 Resp: 15160

Ion Ratio Lower Upper

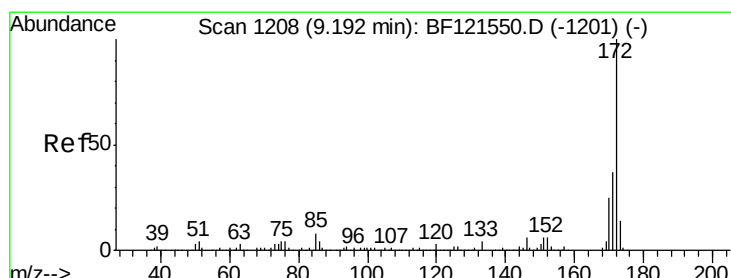
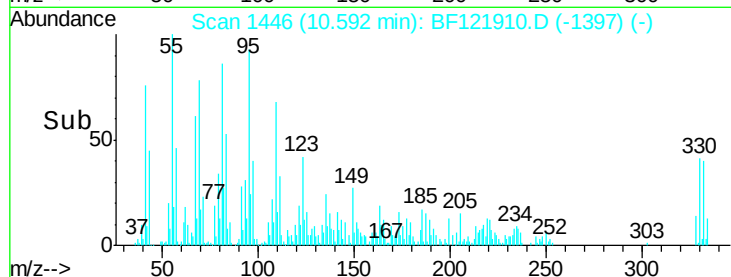
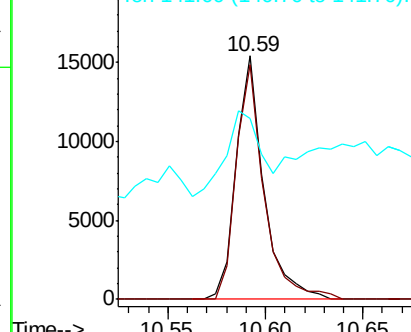
330 100

332 96.7 77.3 115.9

141 44.7 22.3 33.5#



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: 8.362 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF121910.D

Acq: 9 Oct 2020 17:13

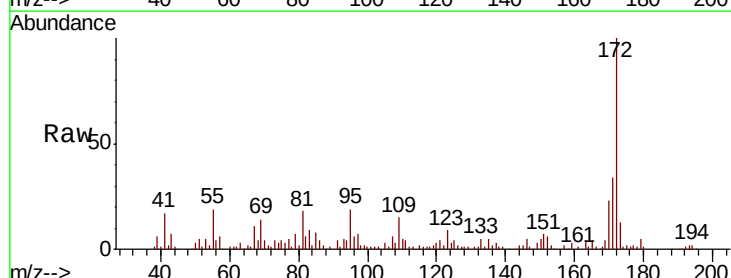
Tgt Ion:172 Resp: 92065

Ion Ratio Lower Upper

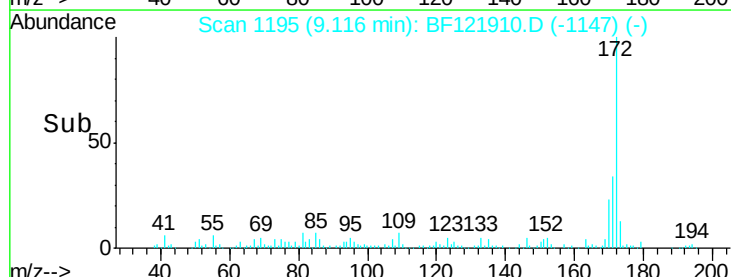
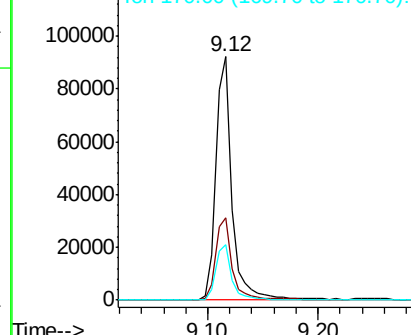
172 100

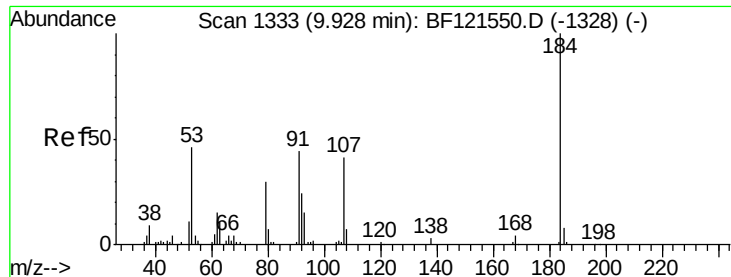
171 33.7 29.1 43.7

170 22.7 19.8 29.6



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

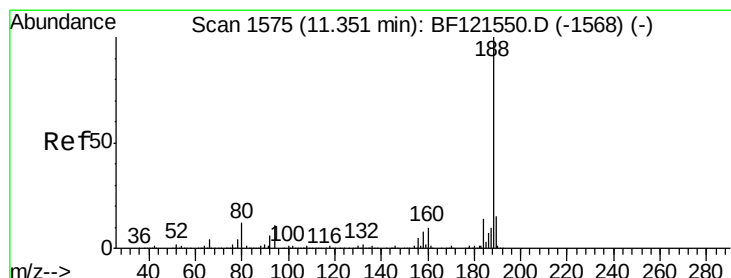
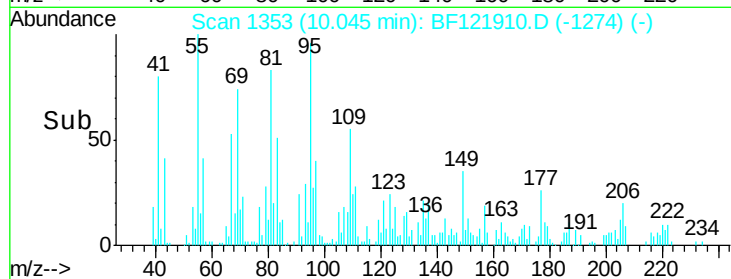
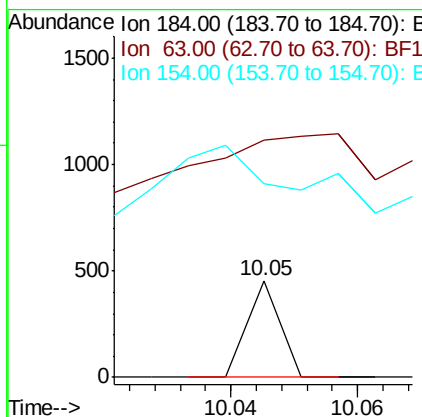
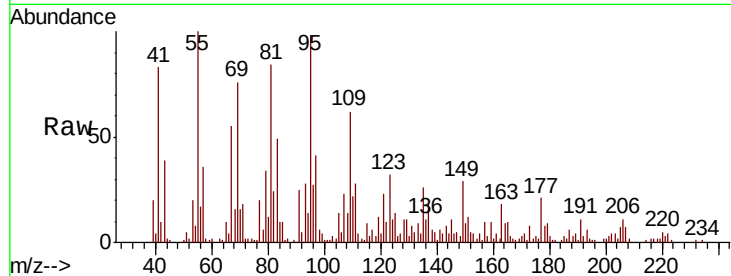




#54
 2,4-Dinitrophenol
 Concen: 9.144 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.16 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

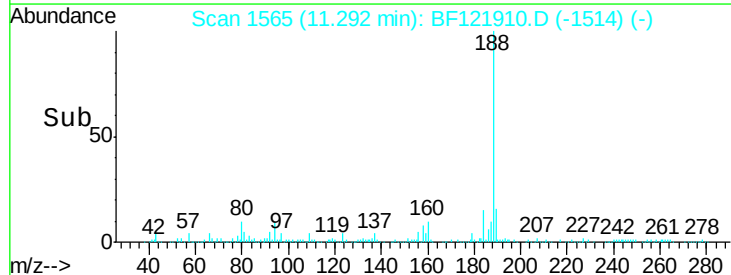
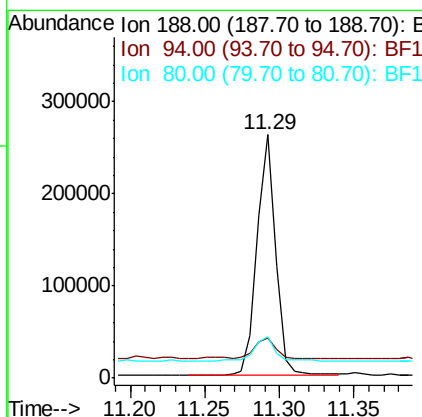
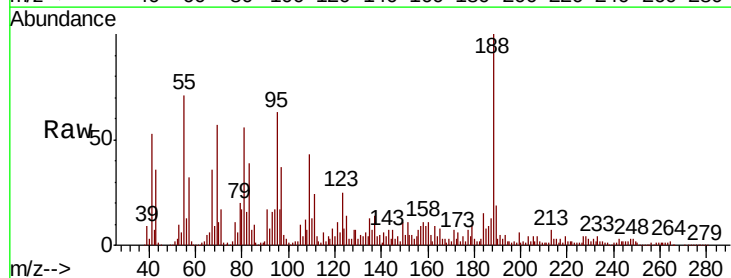
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 BNA_F
 ClientSampled :
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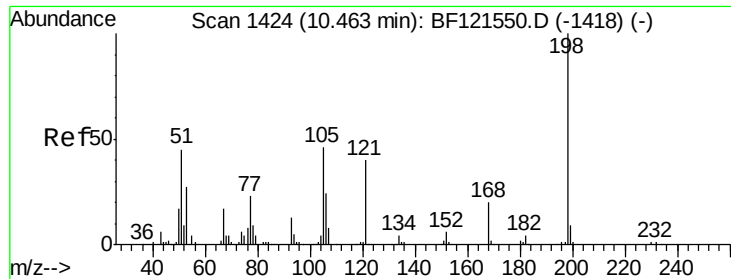
Tot Ion:184 Resp: 161
 Ion Ratio Lower Upper
 184 100
 63 244.4 45.9 68.9#
 154 199.6 45.8 68.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Tgt Ion:188 Resp: 226808
 Ion Ratio Lower Upper
 188 100
 94 16.6 8.3 12.5#
 80 16.8 9.1 13.7#

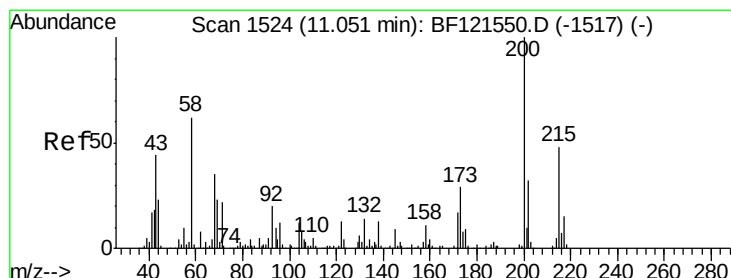
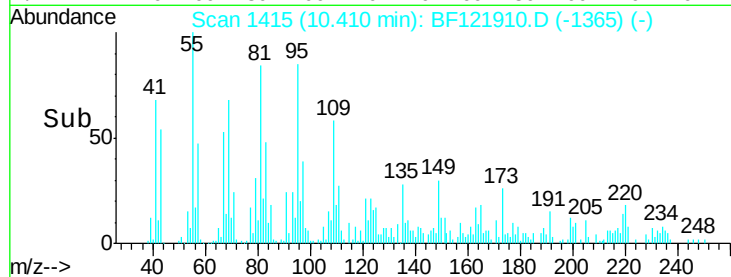
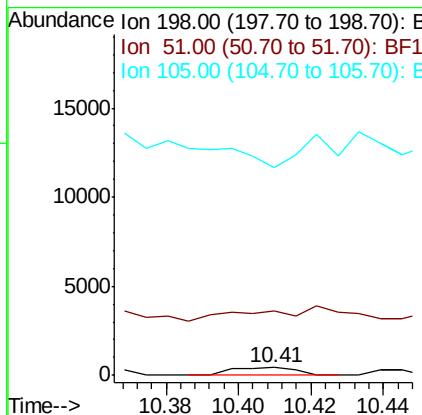
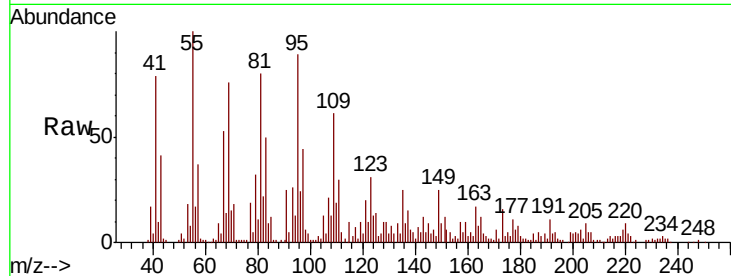




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.167 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

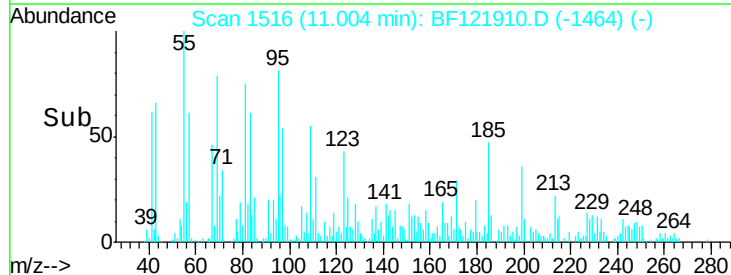
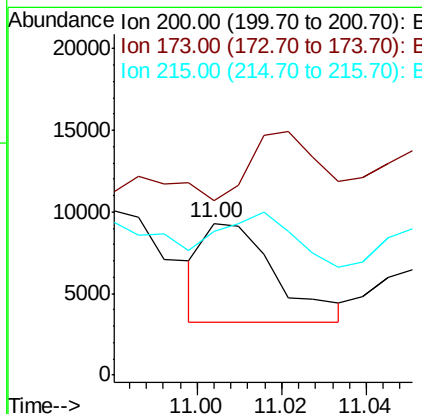
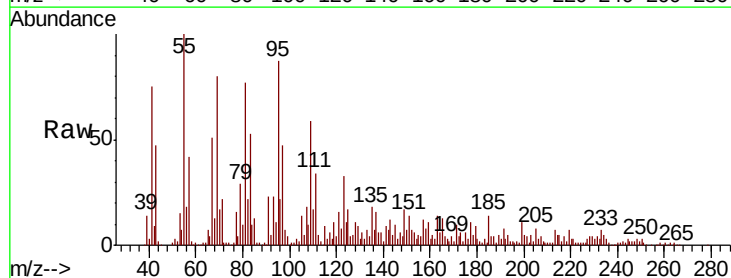
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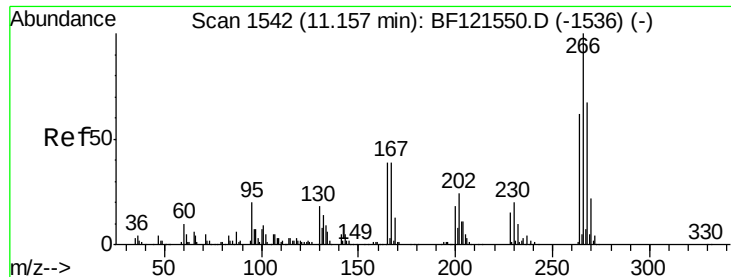
Tot Ion:198 Resp: 511
 Ion Ratio Lower Upper
 198 100
 51 833.9 29.6 69.6#
 105 2698.4 24.4 64.4#



#69
 Atrazine
 Concen: 3.692 ng
 RT: 11.00 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Tgt Ion:200 Resp: 7137
 Ion Ratio Lower Upper
 200 100
 173 114.8 7.5 47.5#
 215 94.9 27.1 67.1#

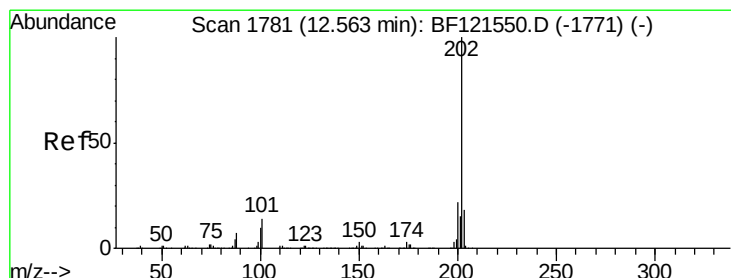
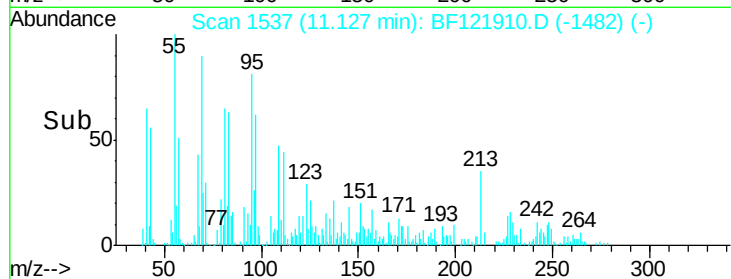
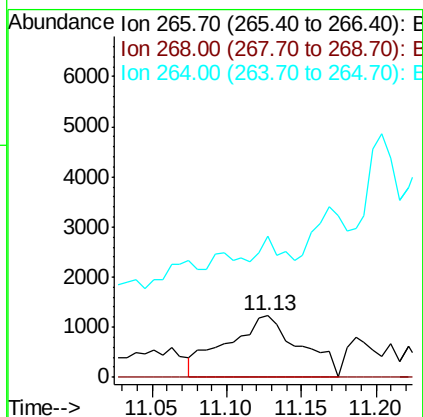
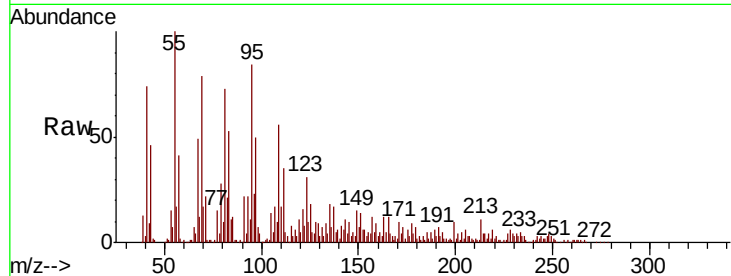




#70
 Pentachlorophenol
 Concen: 2.592 ng
 RT: 11.13 min Scan# 1537
 Delta R.T. 0.02 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

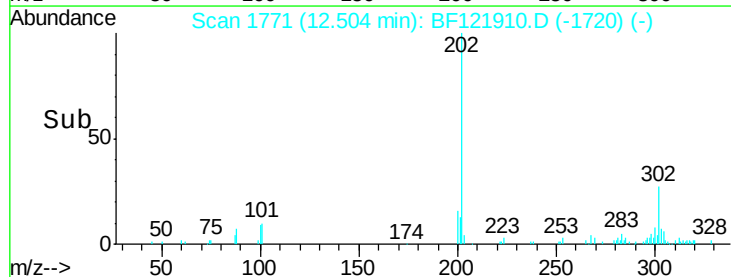
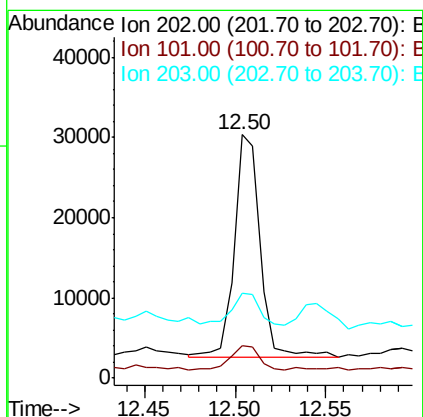
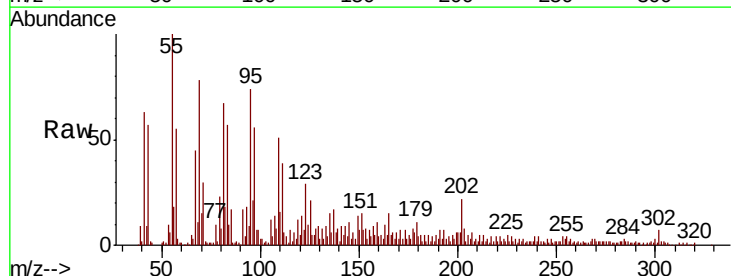
Instrument :
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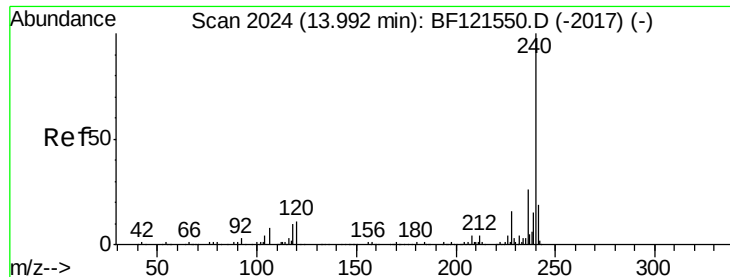
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	52.4	78.6#
264	229.4	49.9	74.9#



#75
 Fluoranthene
 Concen: 2.069 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.4
203	34.8	0.0	37.9

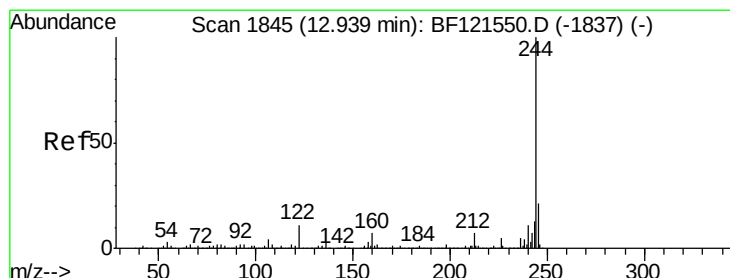
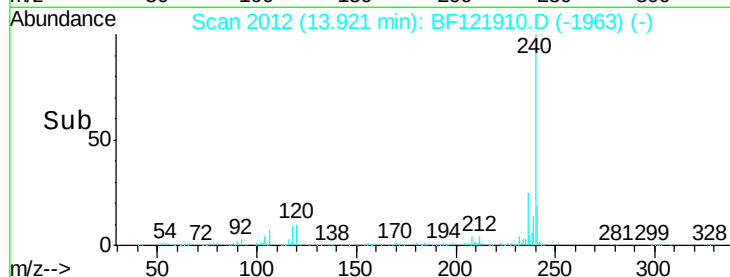
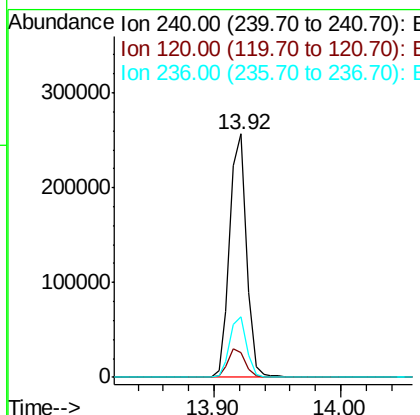
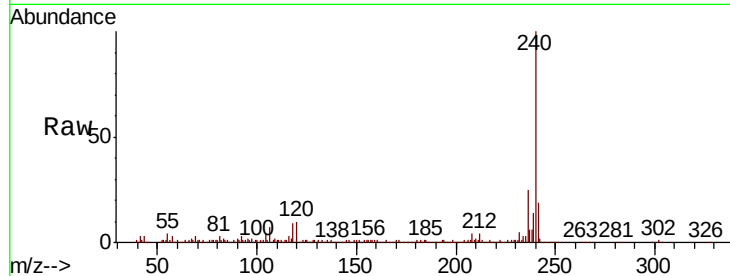




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

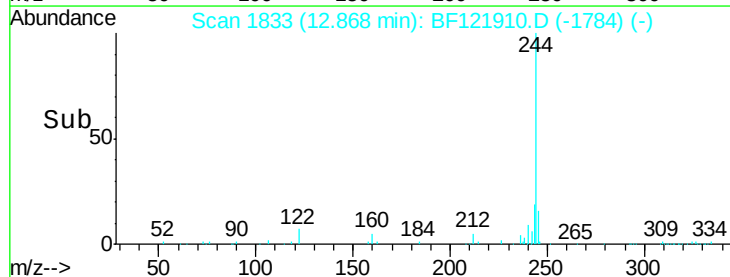
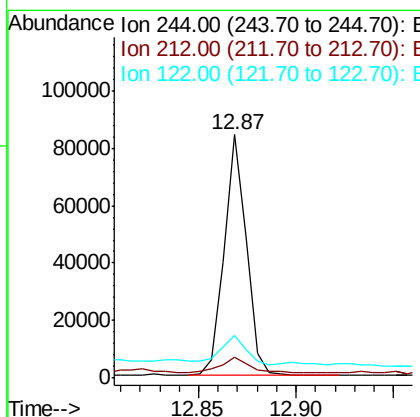
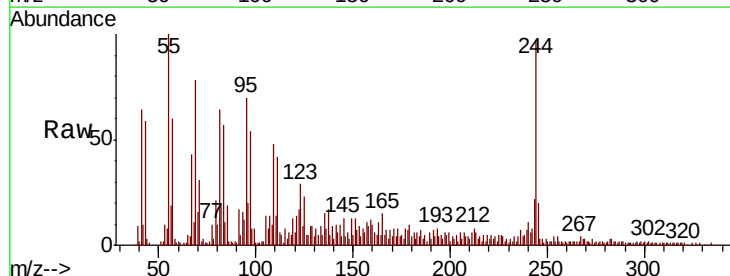
Instrument :
 BNA_F
 ClientSampleId :
 26414

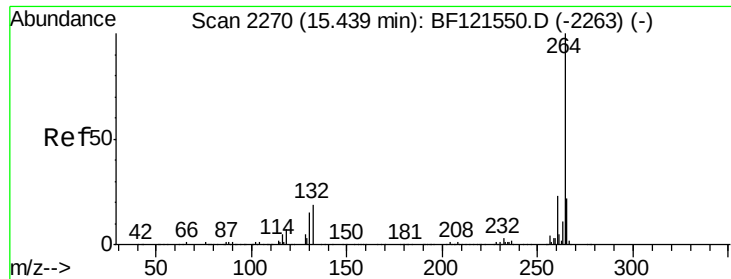
Tot Ion:240 Resp: 236701
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.2 13.8
 236 25.0 20.9 31.3



#79
 Terphenyl-d14
 Concen: 5.635 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121910.D
 Acq: 9 Oct 2020 17:13

Tgt Ion:244 Resp: 65838
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.4 8.2#
 122 17.3 8.1 12.1#

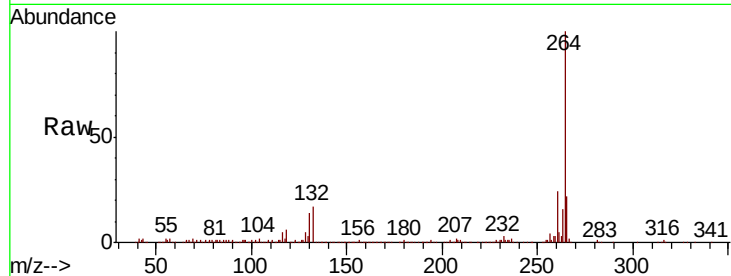




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121910.D
Acq: 9 Oct 2020 17:13

Instrument :
BNA_F
ClientSampleId :
26414

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.5	17.3	25.9

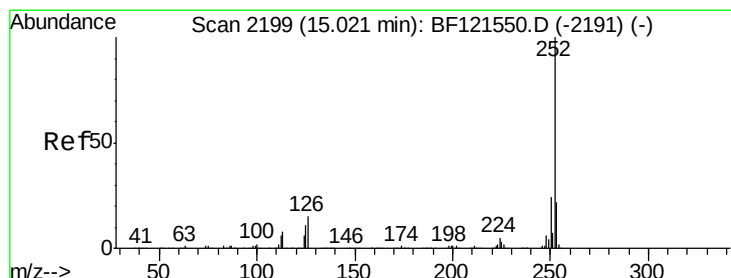
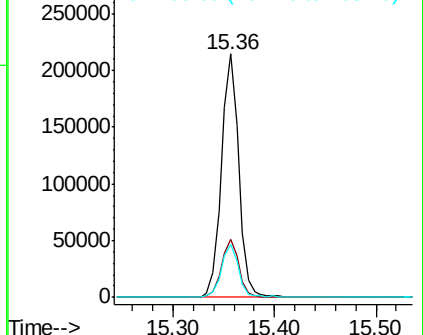
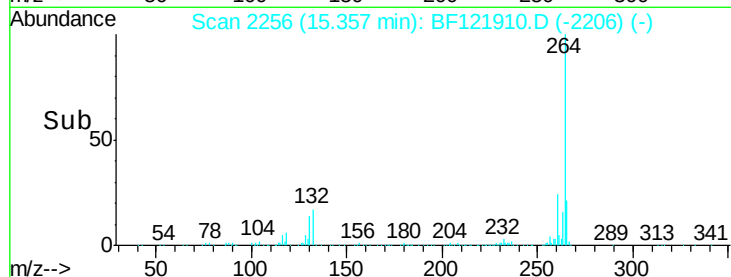


Abundance

Ion 264.00 (263.70 to 264.70): E

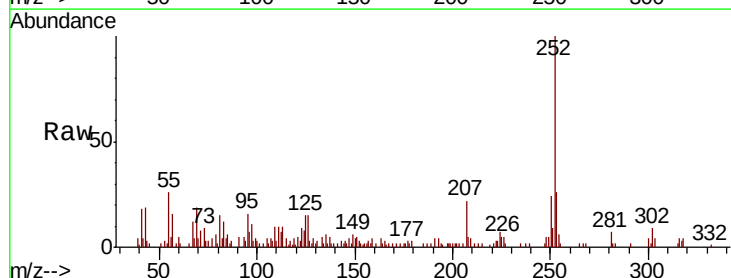
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 2.233 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121910.D
Acq: 9 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	15.2	8.0	12.0

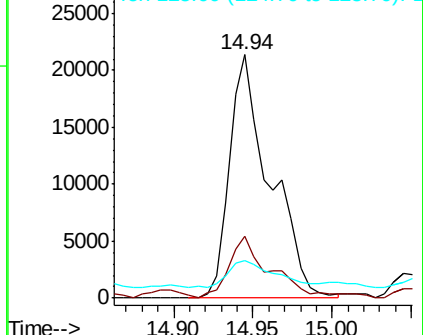
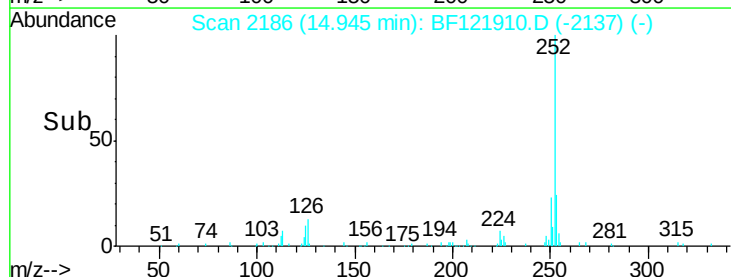


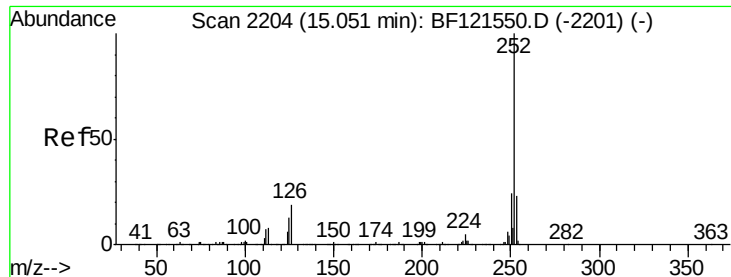
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 2.438 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF121910.D

Acq: 9 Oct 2020 17:13

Instrument :

BNA_F

ClientSampleId :

26414

Tot Ion:252 Resp: 37947

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

125 15.2 7.7 11.5#

