

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121109.D
 Acq On : 29 Jul 2020 18:57
 Operator : JU/CG
 Sample : L3436-13 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 13

Manual Integrations
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 7/30/2020 3:33:46 PM

Quant Time: Jul 30 01:17:38 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	6.80	152	147780	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	538219	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	270040	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	444917	20.00	ng	0.00
76) Chrysene-d12	13.96	240	360495	20.00	ng	0.00
86) Perylene-d12	15.41	264	388190	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	156313	17.34	ng	0.00
7) Phenol-d6	6.43	99	188239	16.17	ng	-0.01
23) Nitrobenzene-d5	7.36	82	109728	11.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	45060	15.24	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	238378	13.18	ng	0.00
79) Terphenyl-d14	12.90	244	197538	11.91	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.70	152	65621	2.515	ng	98
50) Dimethylphthalate	9.55	163	45468	2.334	ng	# 98
52) Acenaphthene	9.87	154	37275	2.247	ng	99
58) Fluorene	10.39	166	56428	3.154	ng	94
71) Phenanthrene	11.35	178	461230	20.157	ng	99
72) Anthracene	11.40	178	165087	7.185	ng	99
75) Fluoranthene	12.53	202	831852	32.798	ng	97
78) Pyrene	12.76	202	826717	32.437	ng	99
81) Benzo(a)anthracene	13.95	228	460918	21.114	ng	96
83) Chrysene	13.99	228	398863	17.387	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	188218	6.972	ng	95
88) Benzo(b)fluoranthene	14.99	252	517611m	22.059	ng	
89) Benzo(k)fluoranthene	15.02	252	134684m	6.294	ng	
90) Benzo(a)pyrene	15.35	252	363236	16.967	ng	99
91) Dibenzo(a,h)anthracene	16.84	278	48296	2.190	ng	# 79
92) Benzo(g,h,i)perylene	17.26	276	173491	7.979	ng	98

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

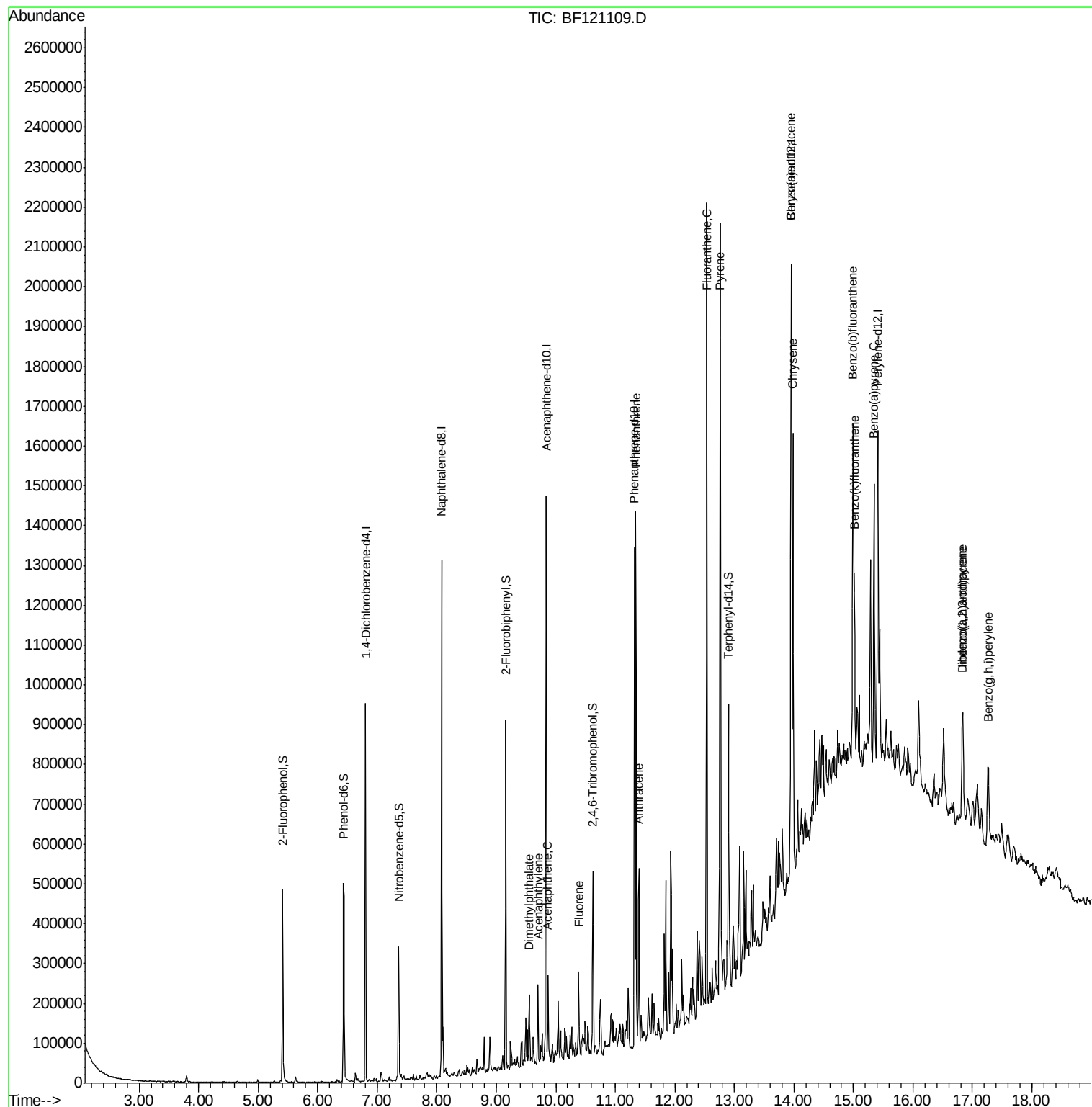
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
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#1

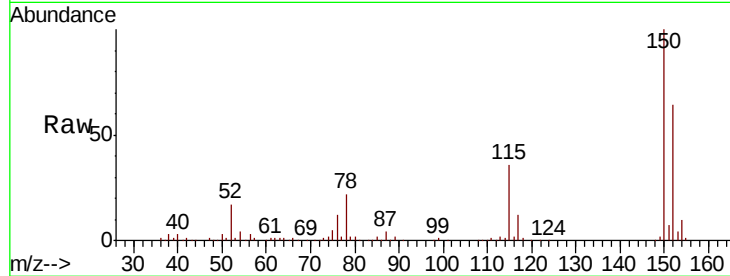
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampled :
13

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.6	188.4
115	56.4	46.2	69.2

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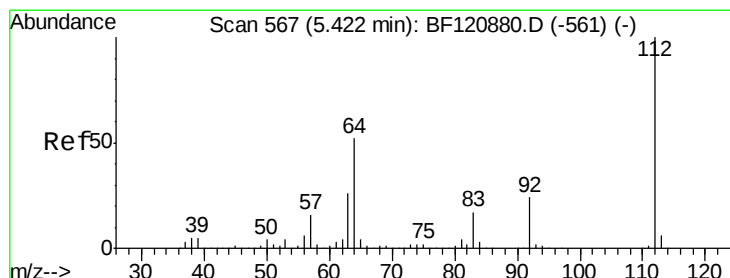
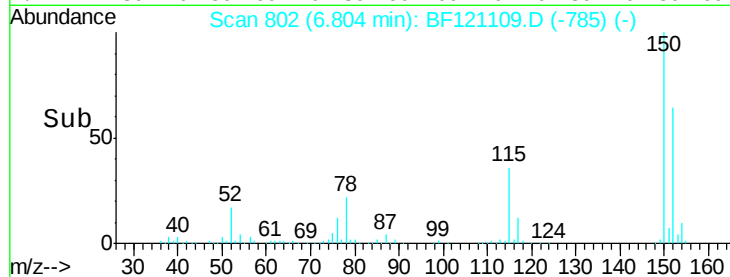
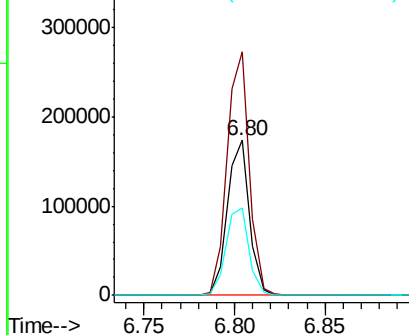


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

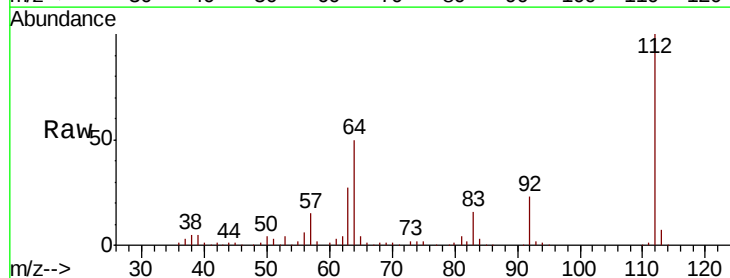
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.340 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	43.9	65.9
63	27.0	22.7	34.1

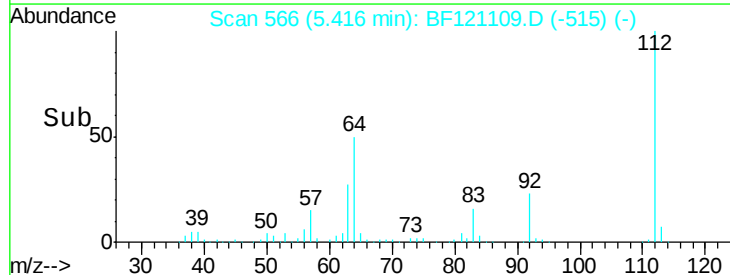
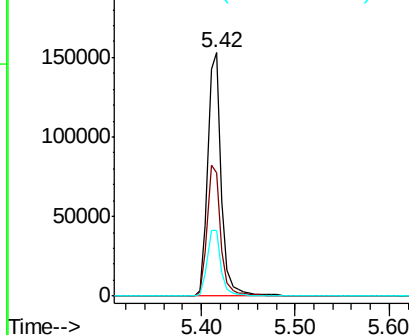


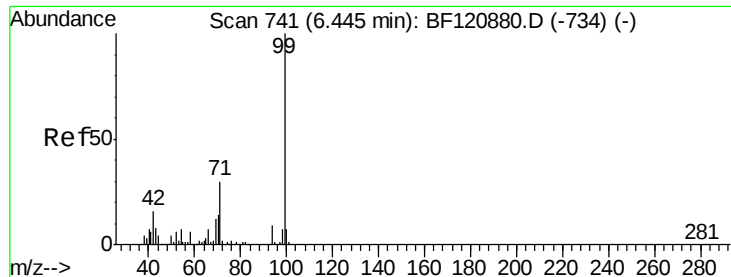
Abundance

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: 16.166 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

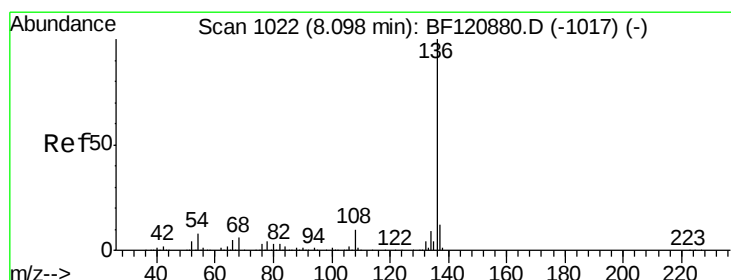
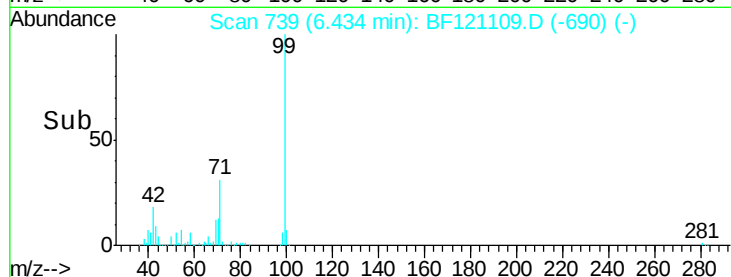
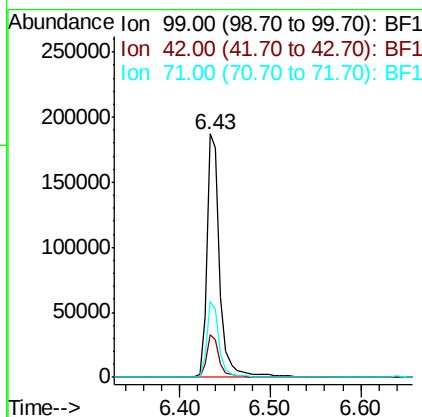
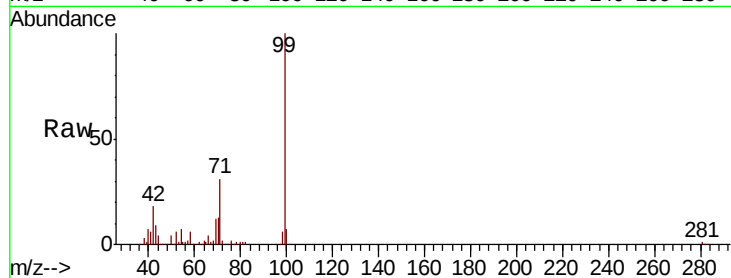
ClientSampleId :

13

Tot Ion:	99	Resp:	188239
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	31.1	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

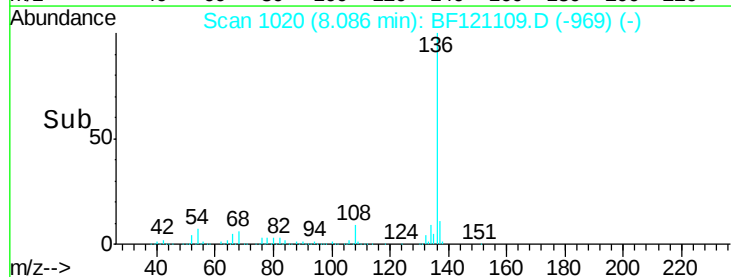
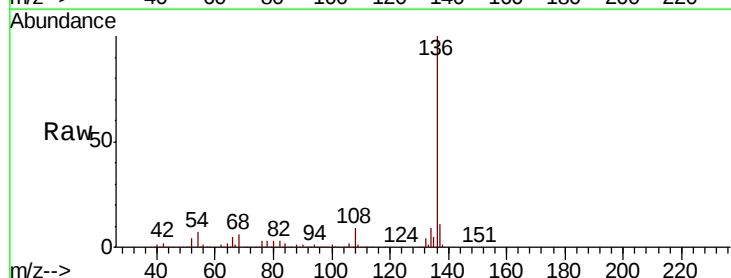
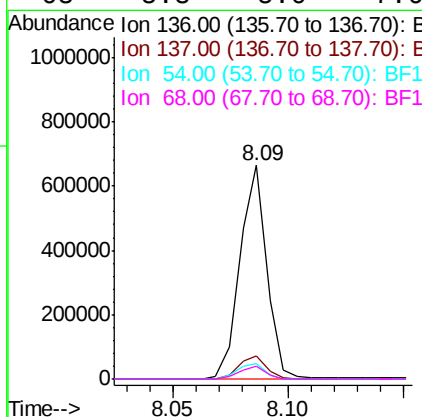
RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Tgt Ion:	136	Resp:	538219
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.0	6.1	9.1
68	5.8	5.0	7.6





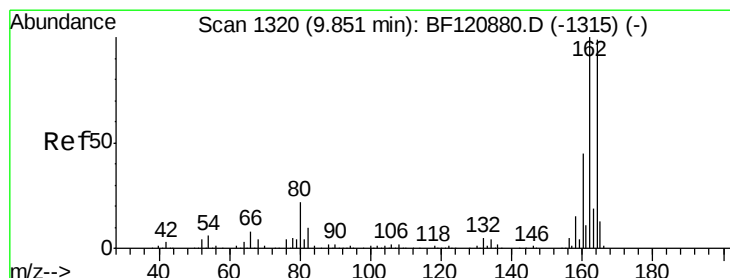
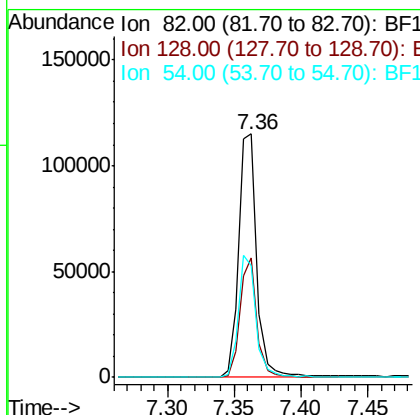
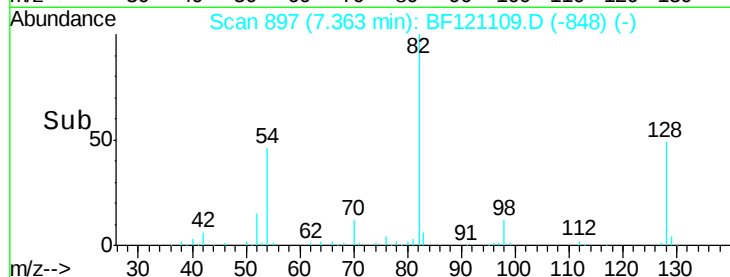
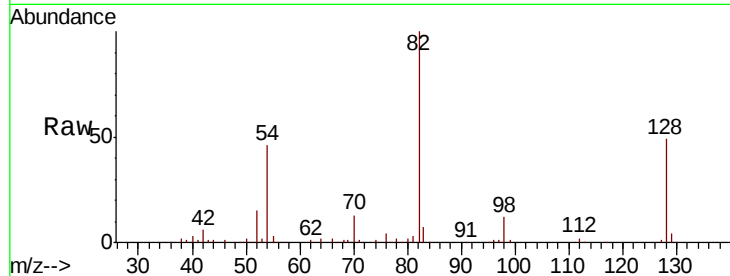
#23
Nitrobenzene-d5
Concen: 11.797 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampled :
13

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.2	39.2	58.8
54	46.1	37.8	56.8

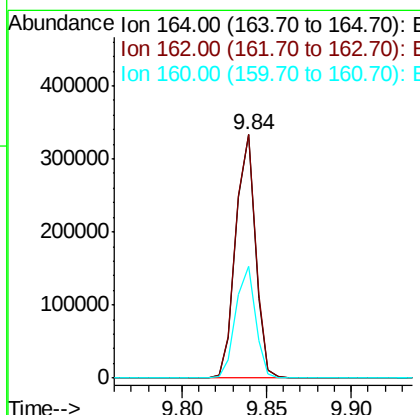
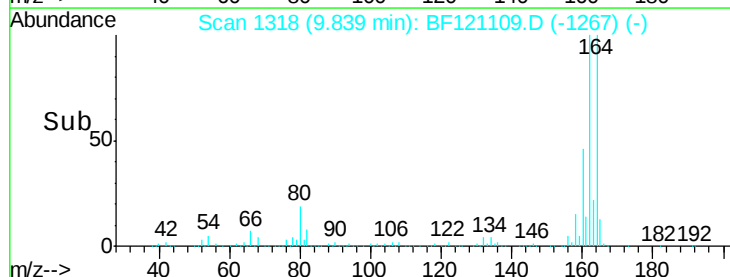
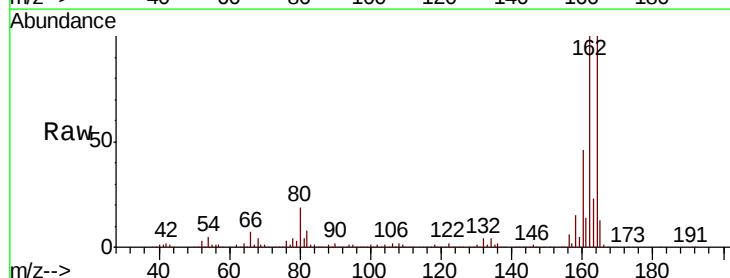
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.2	123.2
160	45.9	37.2	55.8





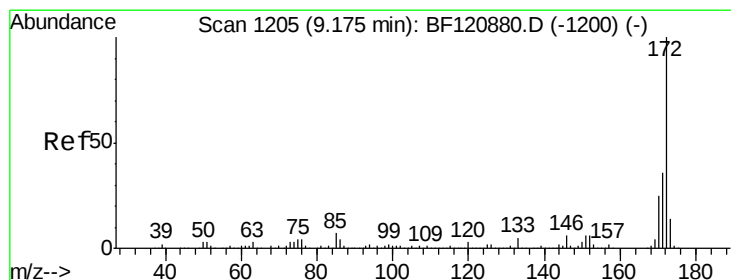
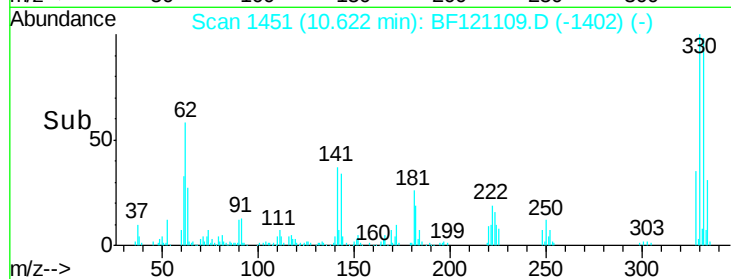
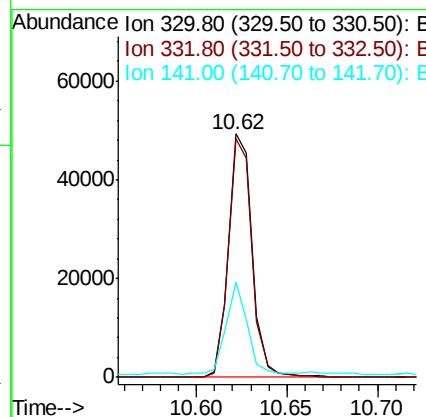
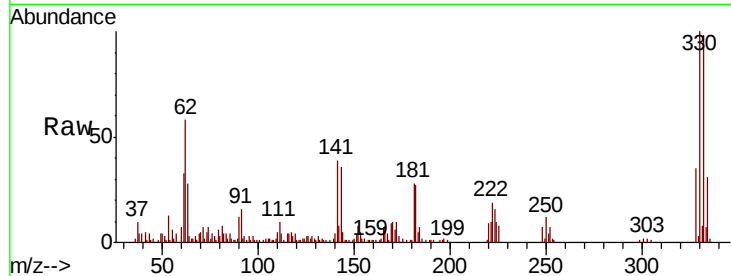
#42
 2,4,6-Tribromophenol
 Concen: 15.244 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampled :
 13

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.1	114.1
141	34.8	24.1	36.1

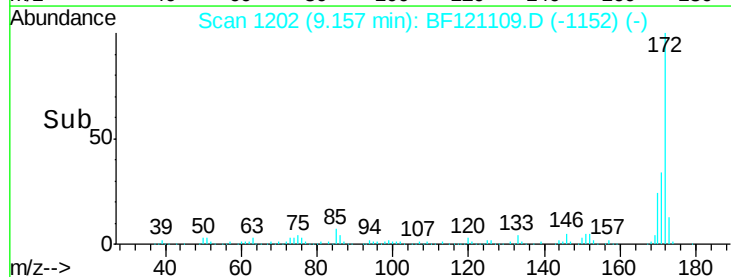
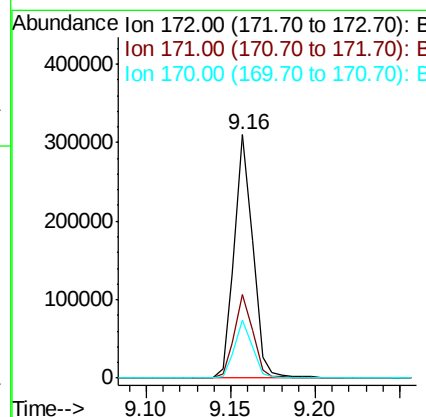
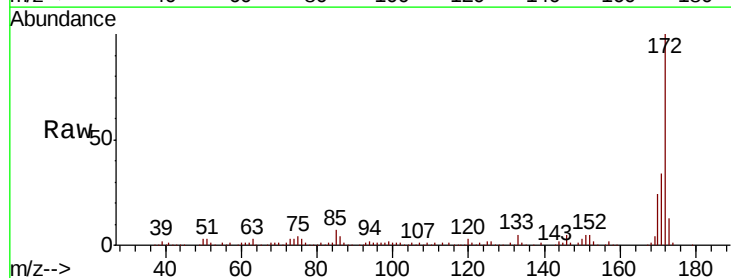
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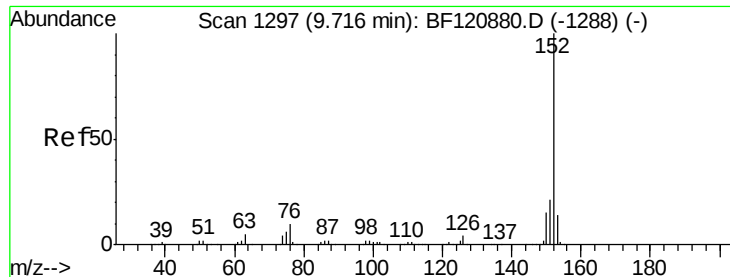
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#45
 2-Fluorobiphenyl
 Concen: 13.180 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.4
170	23.6	19.6	29.4





#49

Acenaphthylene

Concen: 2.515 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

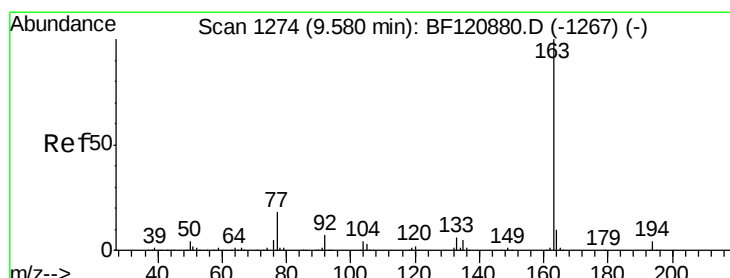
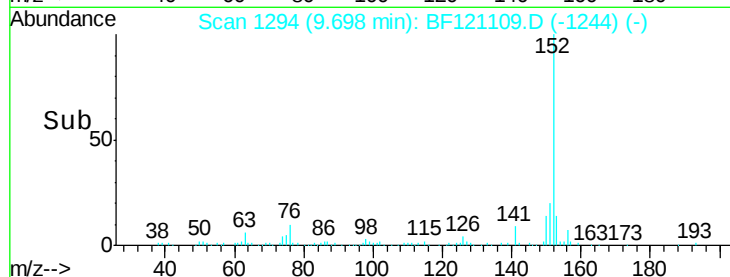
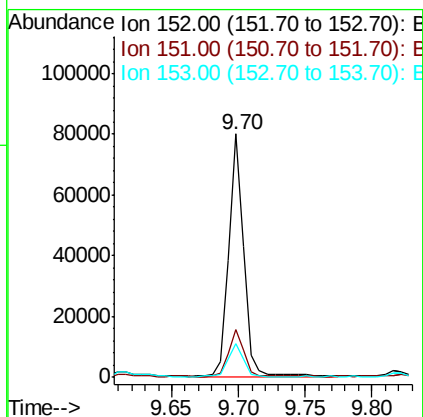
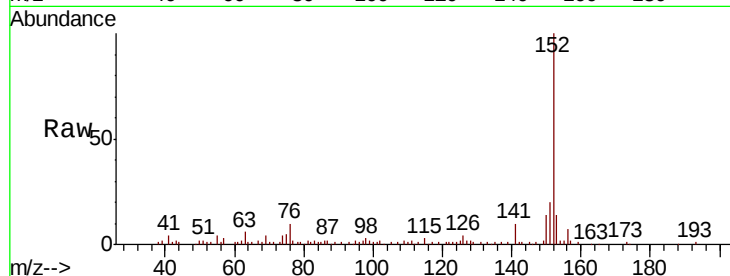
ClientSampled :

13

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0
153	14.0	11.0	16.4

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#50

Dimethylphthalate

Concen: 2.334 ng

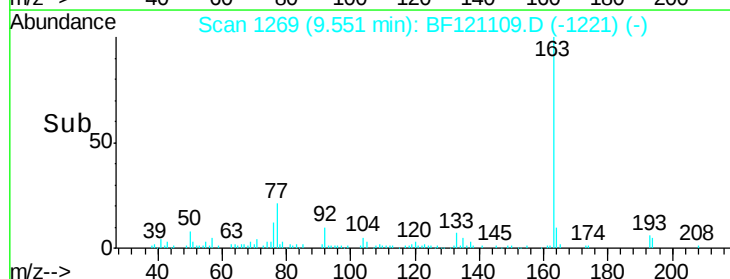
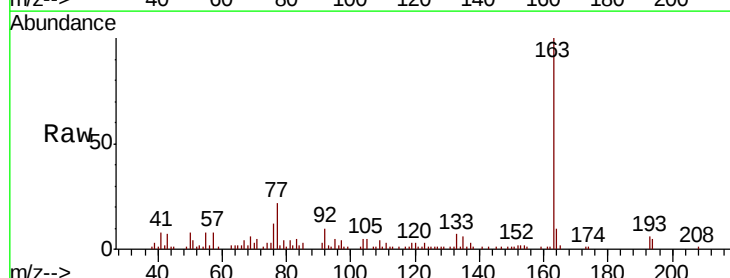
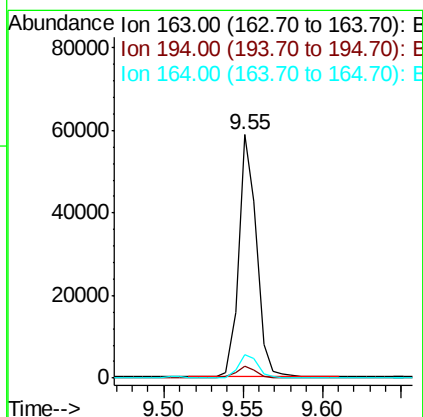
RT: 9.55 min Scan# 1269

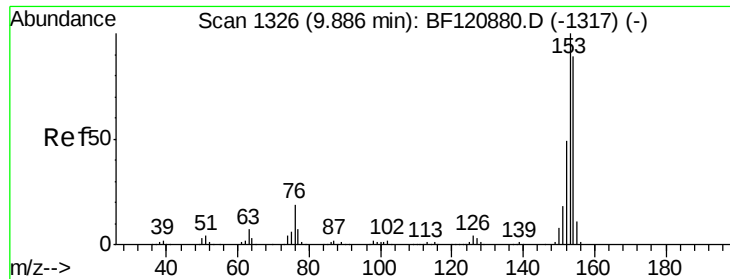
Delta R.T. -0.02 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.0	4.4#
164	9.7	8.4	12.6





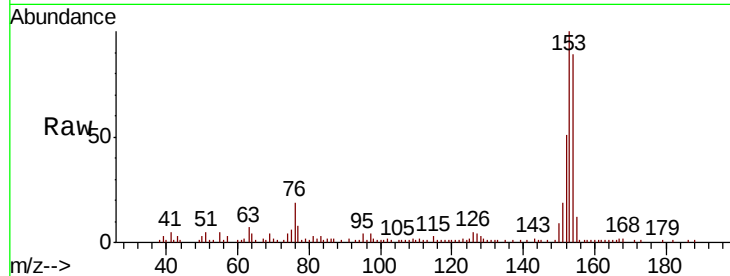
#52
Acenaphthene
Concen: 2.247 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
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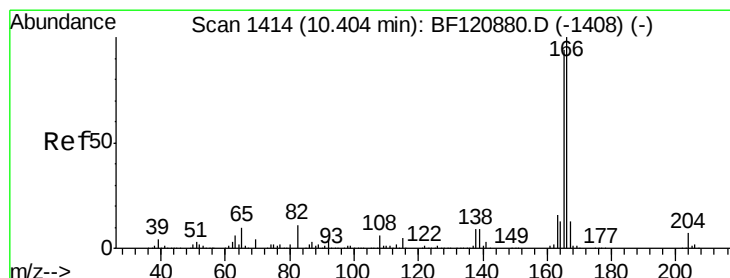
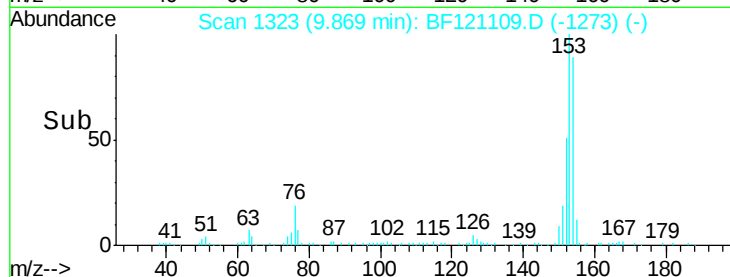
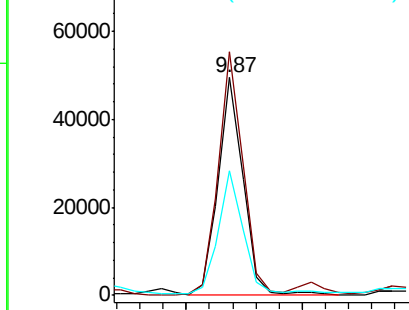
Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.6	134.4
152	57.3	43.8	65.6

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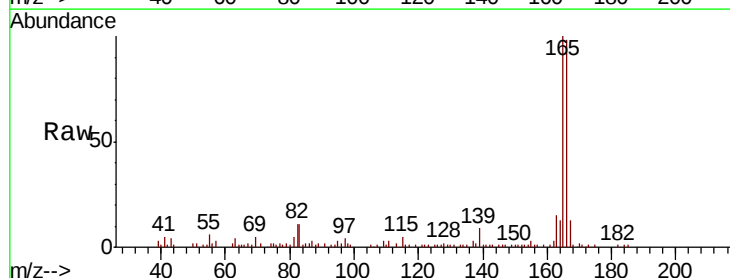


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

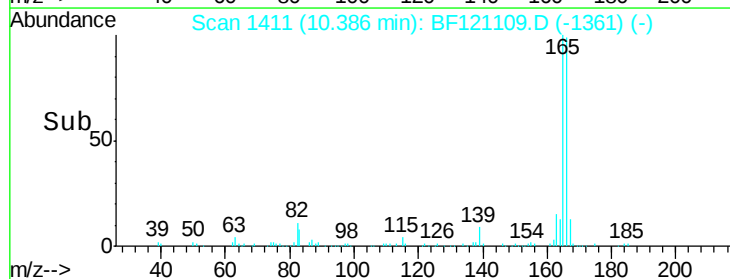
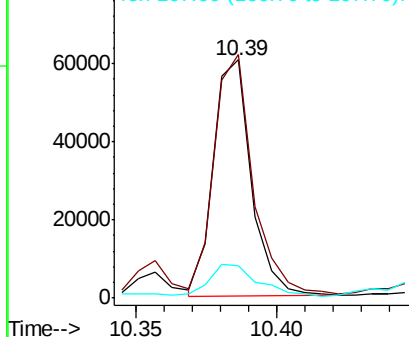


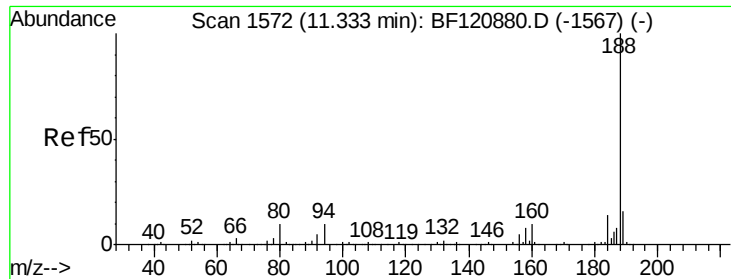
#58
Fluorene
Concen: 3.154 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	76.4	114.6
167	13.7	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

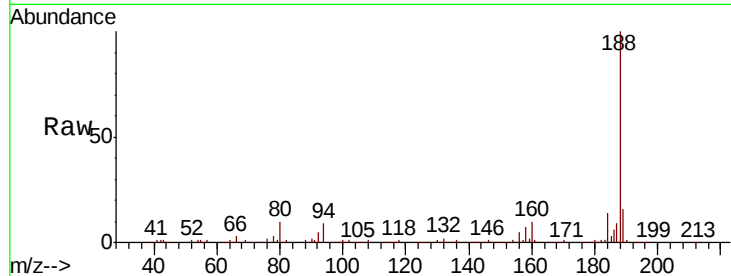
ClientSampleId :

13

Tot Ion:	188	Resp:	444917
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.0	12.0
80	9.6	8.3	12.5

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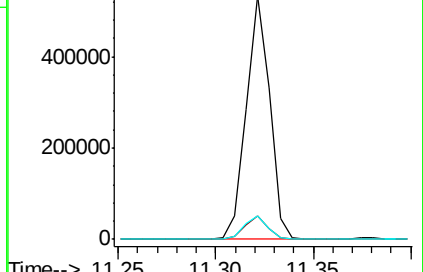
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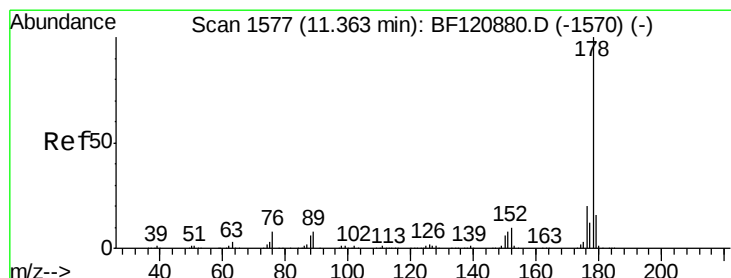
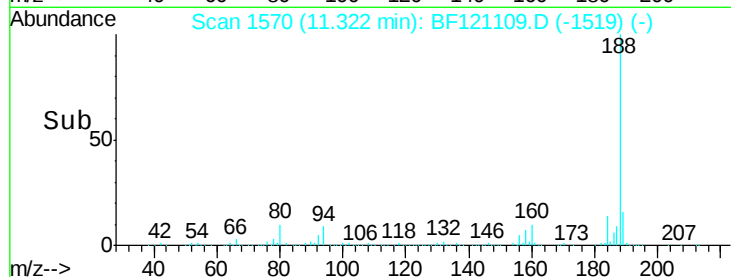
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.25 11.30 11.35



#71

Phenanthrene

Concen: 20.157 ng

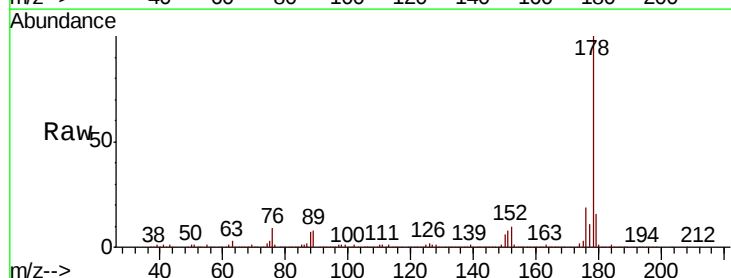
RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

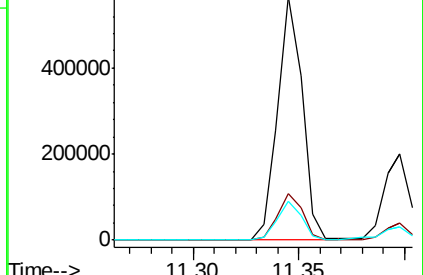
Tgt Ion:	178	Resp:	461230
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.2
179	15.7	12.6	19.0



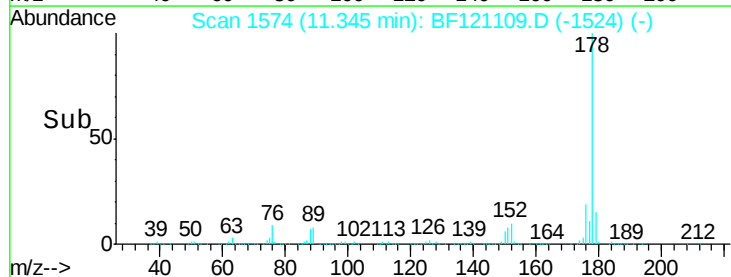
Abundance Ion 178.00 (177.70 to 178.70): E

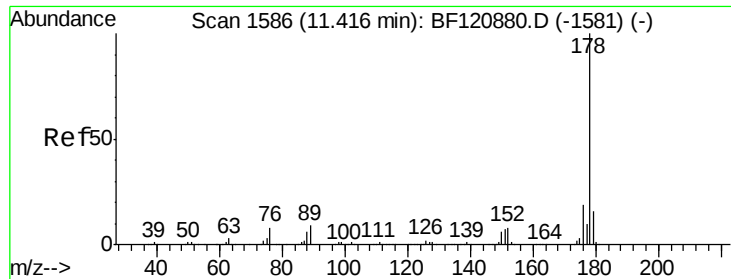
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.30 11.35





#72

Anthracene

Concen: 7.185 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

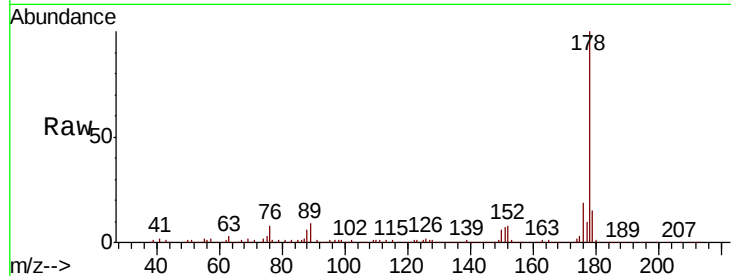
ClientSampleId :

13

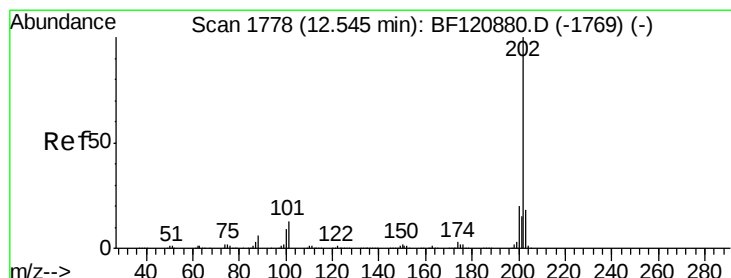
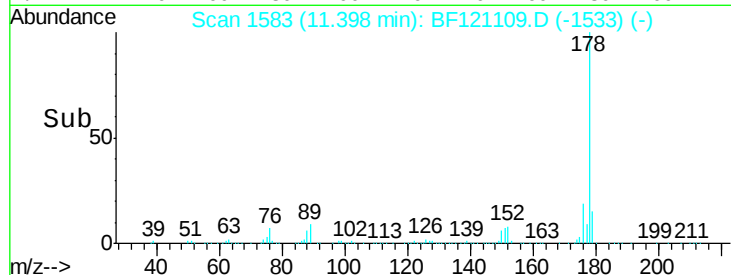
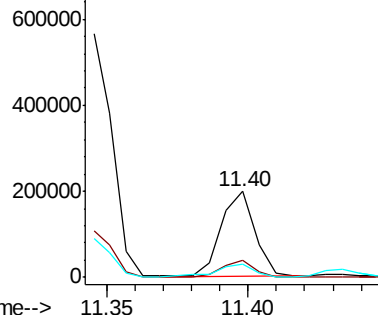
Tot Ion:	178	Resp:	165087
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.3	12.6	19.0

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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: 32.798 ng

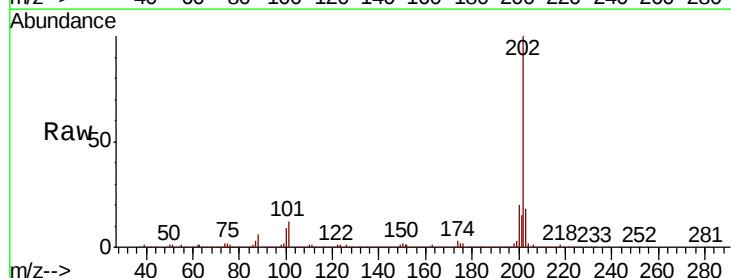
RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

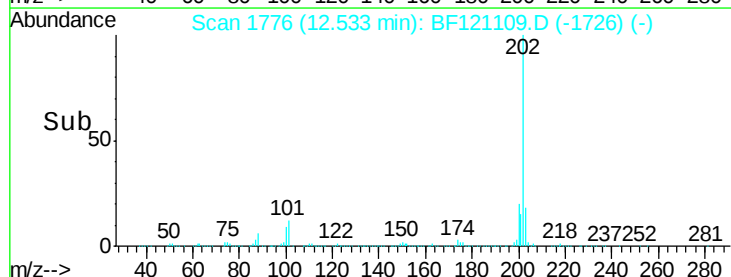
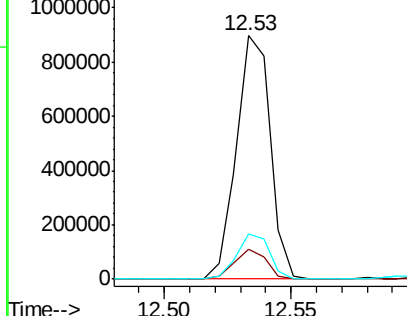
Lab File: BF121109.D

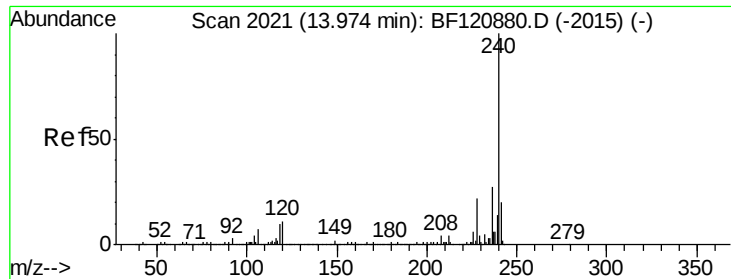
Acq: 29 Jul 2020 18:57

Tgt Ion:	202	Resp:	831852
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	30.5
203	18.5	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





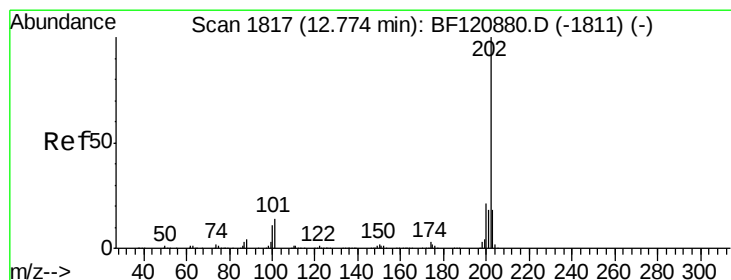
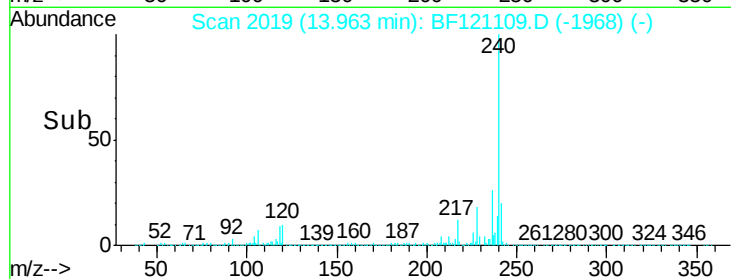
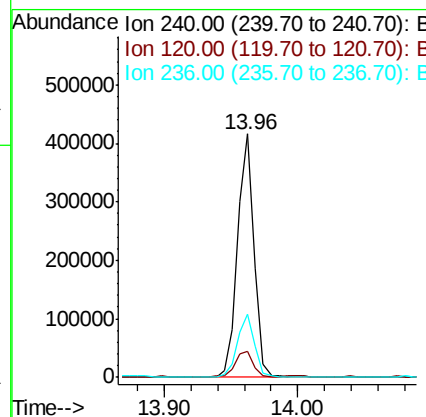
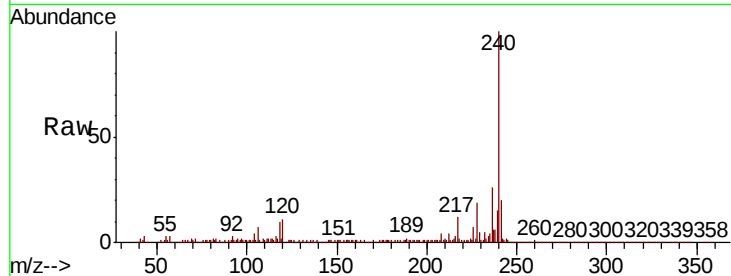
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampled :
13

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.3	13.9
236	26.1	21.1	31.7

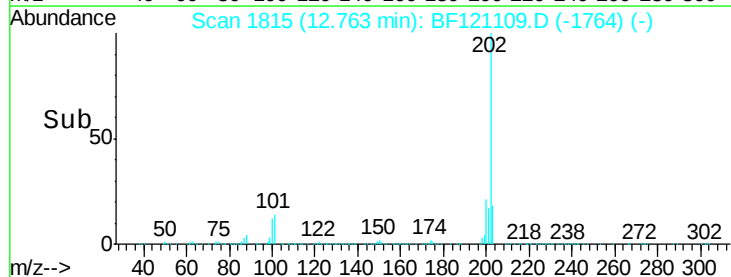
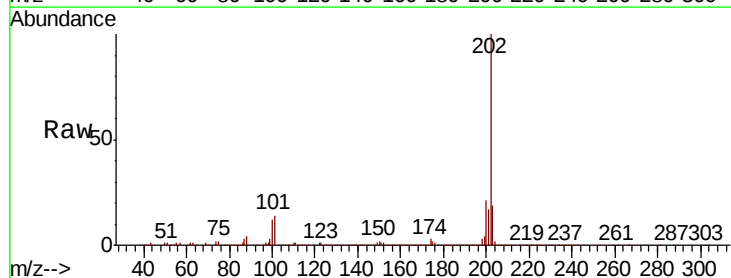
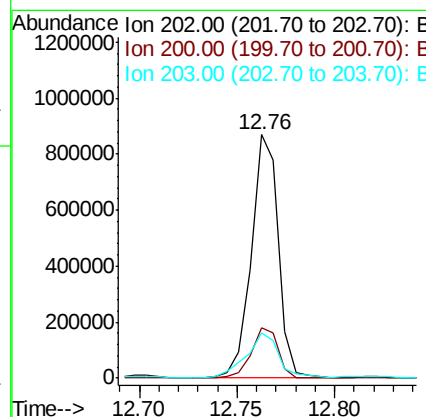
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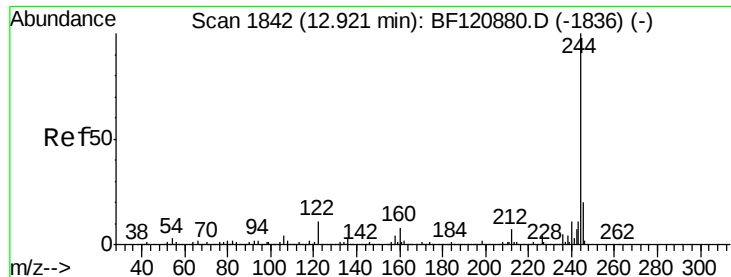
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#78
Pyrene
Concen: 32.437 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	18.5	14.6	21.8





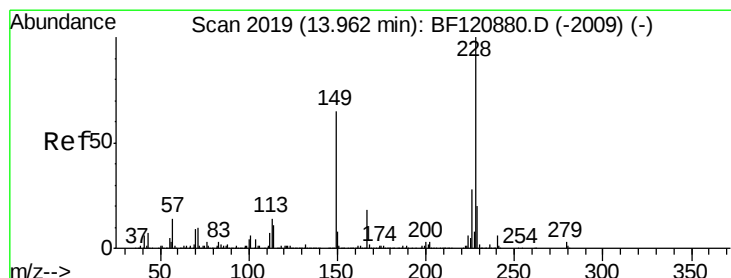
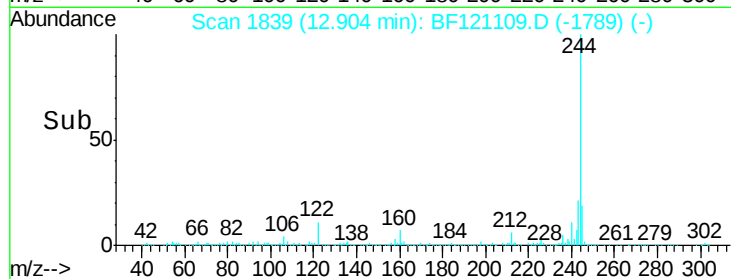
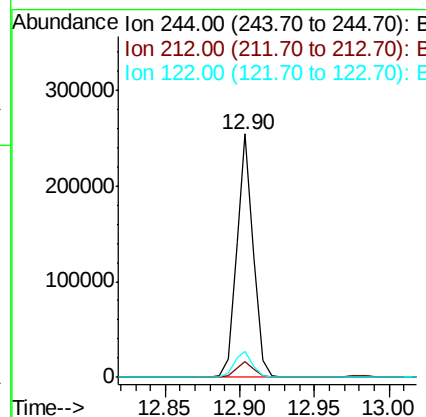
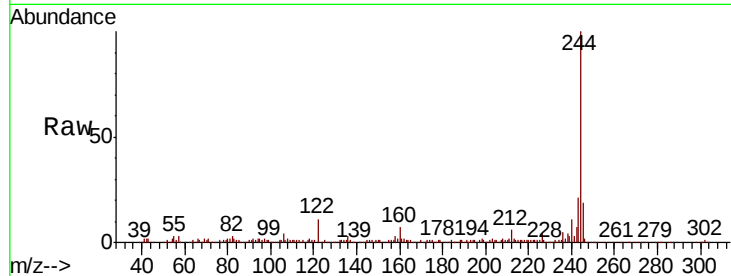
#79
 Terphenyl-d14
 Concen: 11.912 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 13

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.7	8.3	12.5

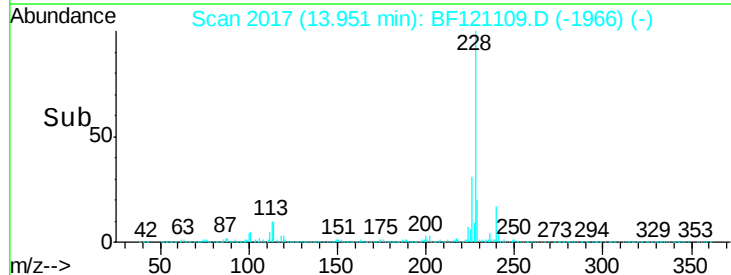
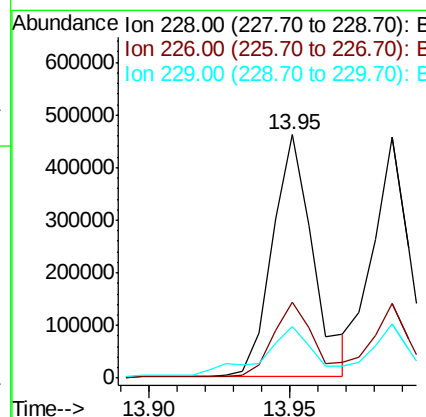
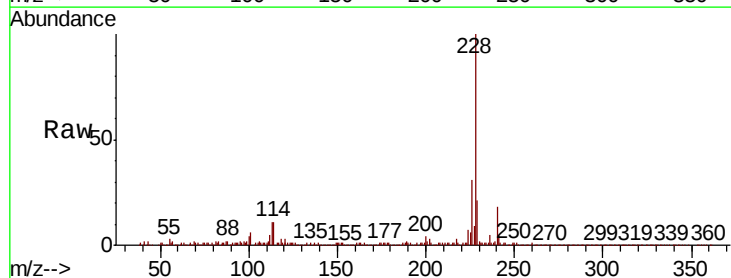
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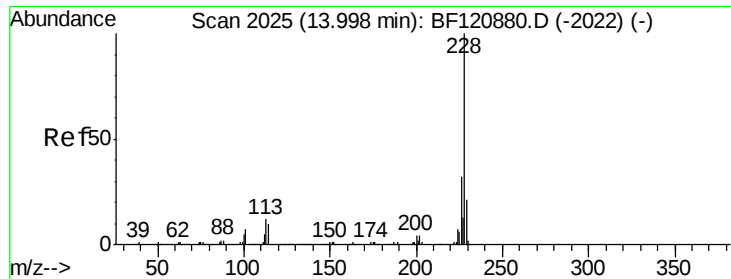
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#81
 Benzo(a)anthracene
 Concen: 21.114 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	34.0
229	21.1	16.1	24.1





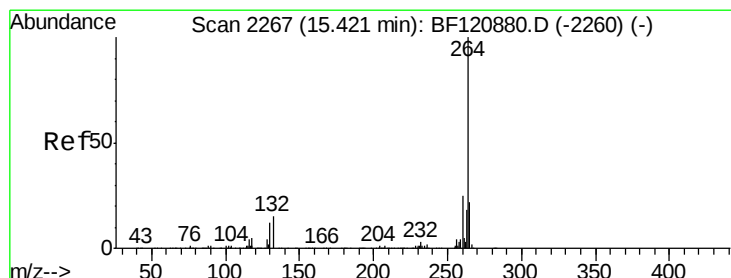
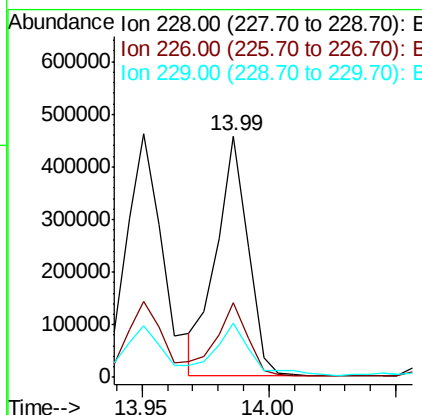
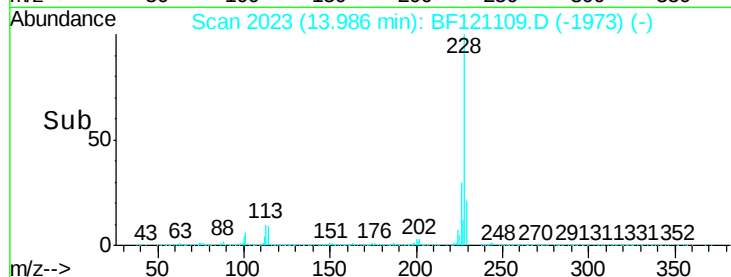
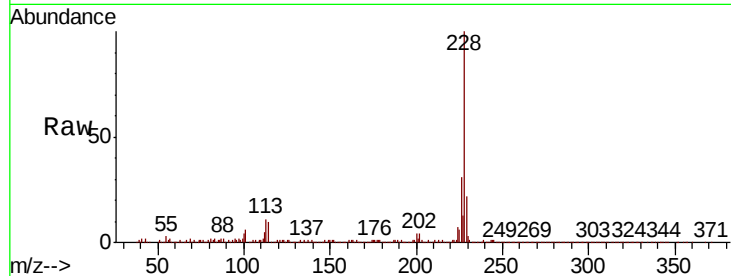
#83
Chrysene
Concen: 17.387 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		398863		
226	30.9	25.4	38.0		
229	22.5	16.2	24.4		

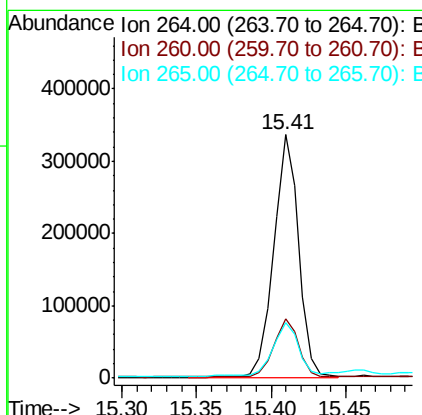
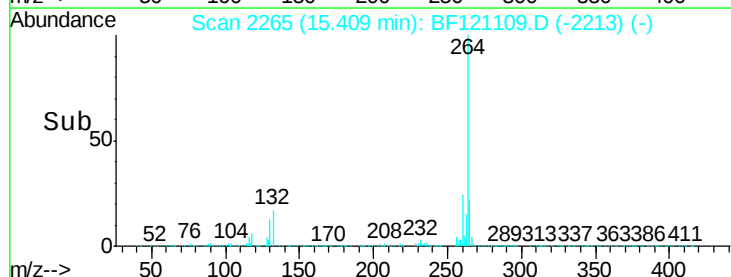
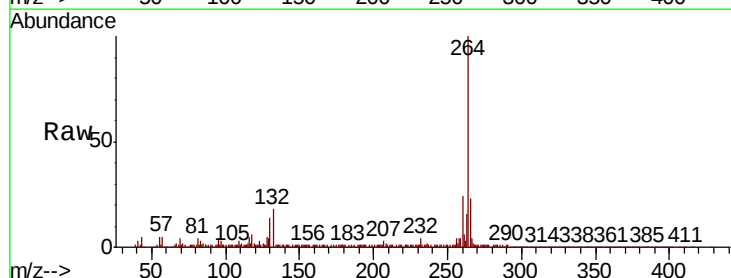
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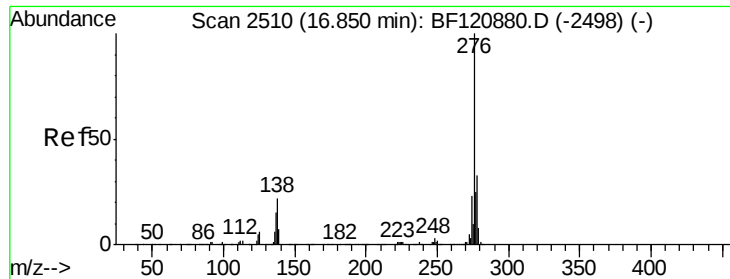
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		388190		
260	24.2	19.9	29.9		
265	22.7	17.8	26.8		





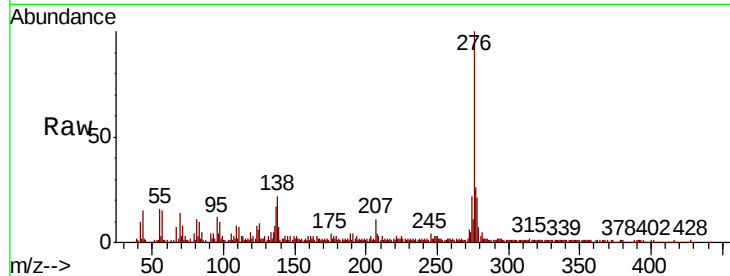
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.972 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampled :
 13

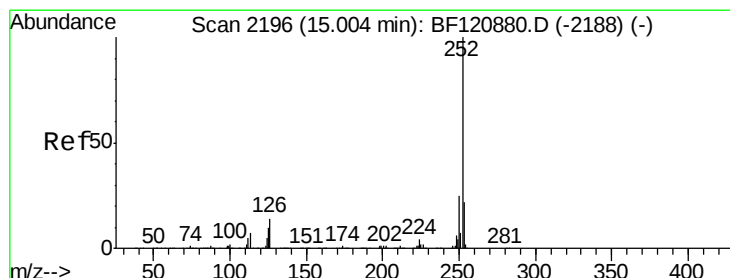
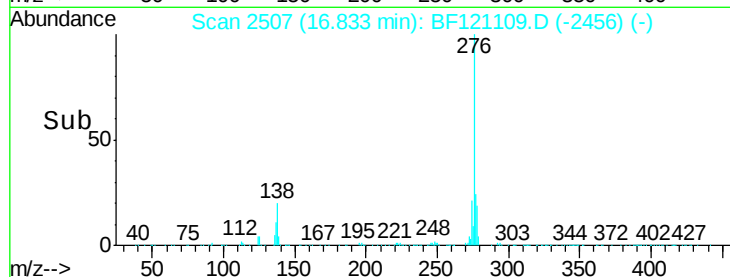
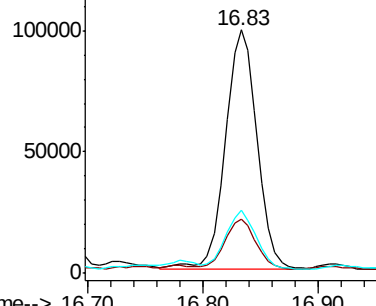
Tot Ion:276	Resp:	188218
Ion Ratio	Lower	Upper
276	100	
138	20.7	19.3 28.9
277	23.7	20.1 30.1

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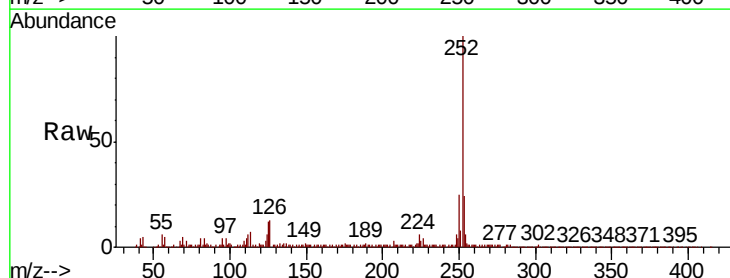


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

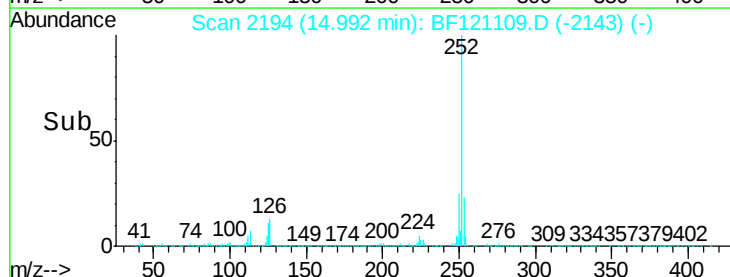
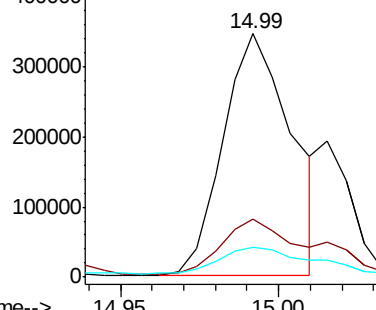


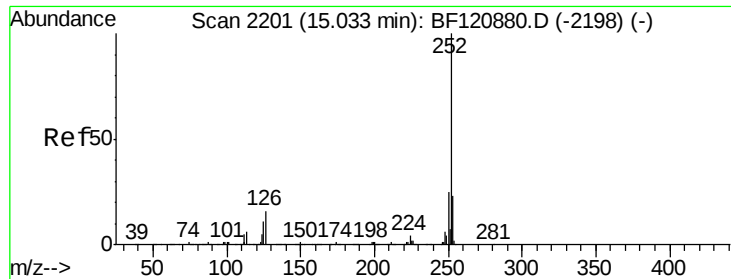
#88
 Benzo(b)fluoranthene
 Concen: 22.059 ng m
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion:252	Resp:	517611
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.9 26.9
125	12.4	8.1 12.1#



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





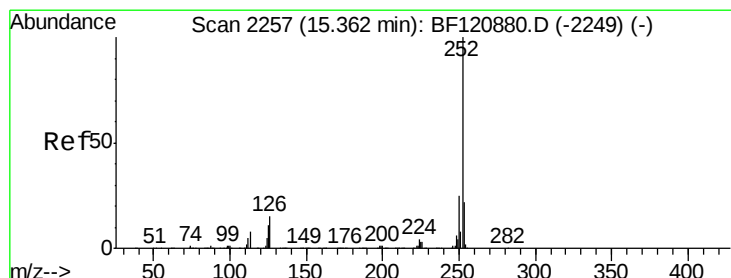
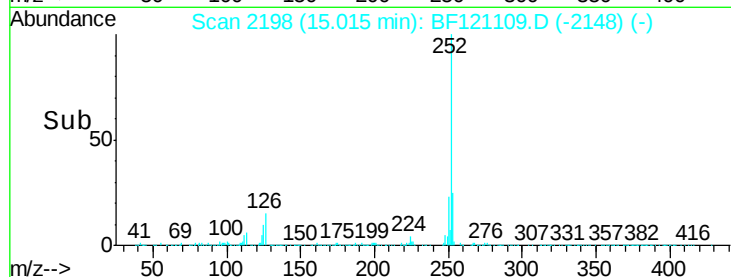
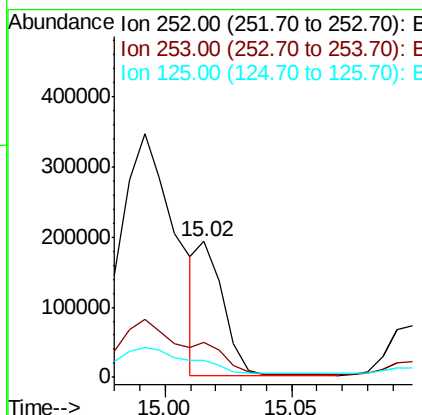
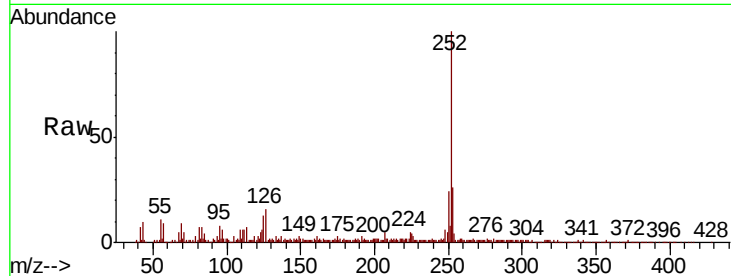
#89
Benzo(k)fluoranthene
Concen: 6.294 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampled :
13

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	12.5	8.0	12.0

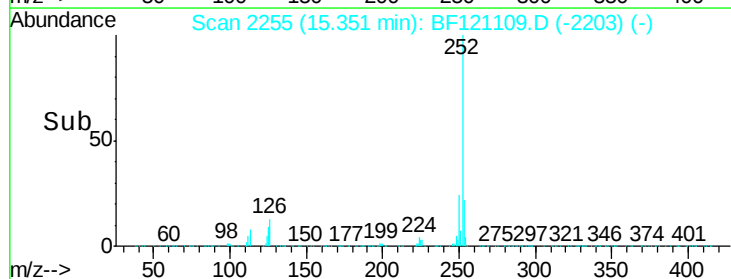
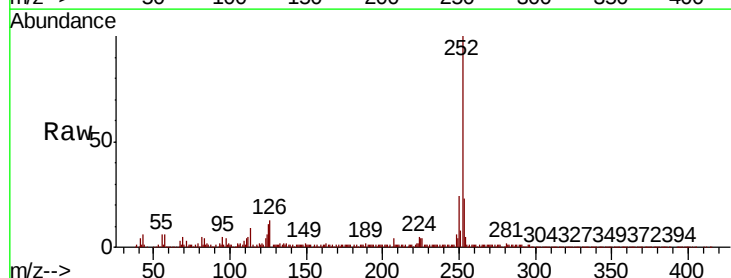
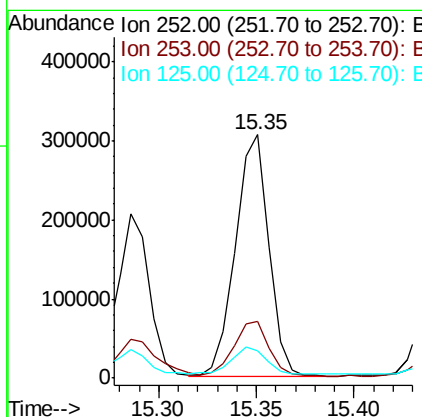
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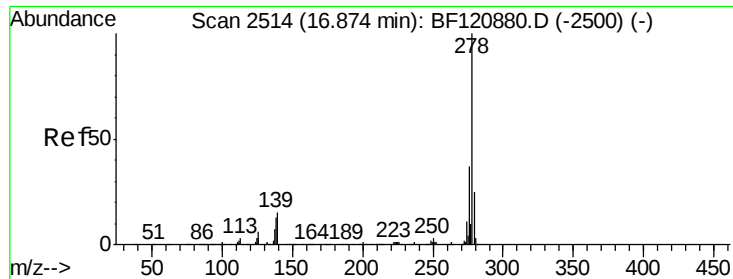
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#90
Benzo(a)pyrene
Concen: 16.967 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.2	9.5	14.3





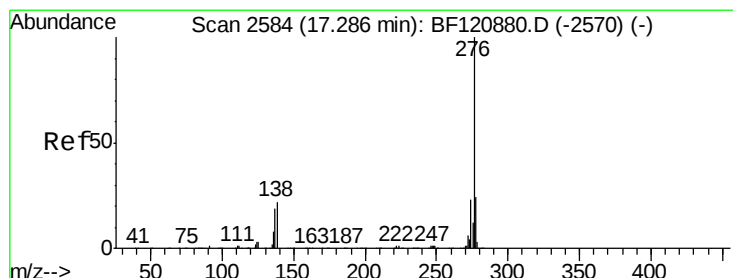
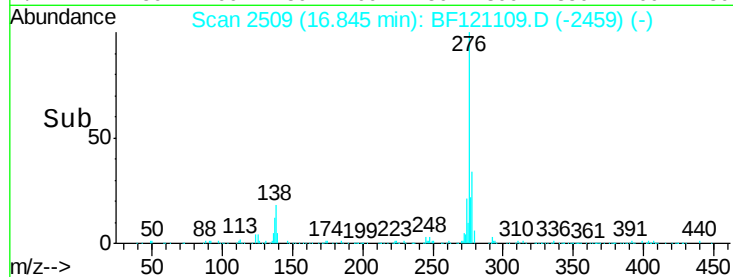
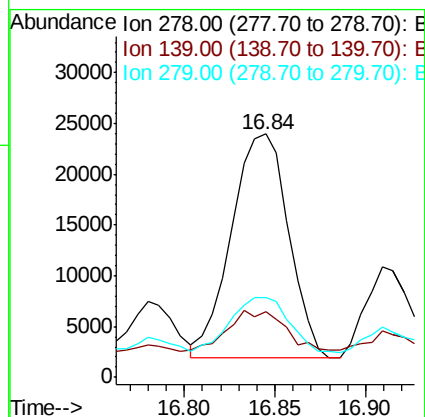
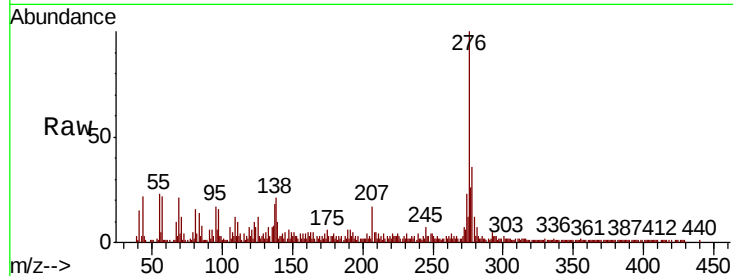
#91
Dibenzo(a,h)anthracene
Concen: 2.190 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.2	12.6	18.8#
279	33.0	19.5	29.3#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.979 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.0
138	22.8	17.2	25.8

