

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
 Data File : BF121231.D
 Acq On : 7 Aug 2020 14:59
 Operator : JU/CG
 Sample : L3508-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

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Quant Time: Aug 07 16:27:14 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	128116	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	500696	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	260165	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	489427	20.00	ng	0.00
76) Chrysene-d12	13.96	240	317224	20.00	ng	0.00
86) Perylene-d12	15.42	264	329617	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	136860	17.51	ng	-0.01
7) Phenol-d6	6.43	99	173966	17.23	ng	-0.02
23) Nitrobenzene-d5	7.36	82	108858	12.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	47834	16.80	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	234674	13.47	ng	-0.01
79) Terphenyl-d14	12.91	244	217987	14.94	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	8.79	142	42053	2.522	ng	99
38) 1-Methylnaphthalene	8.89	142	52628	3.332	ng	99
52) Acenaphthene	9.86	154	39316	2.460	ng	97
58) Fluorene	10.38	166	52044	3.020	ng	99
71) Phenanthrene	11.35	178	499159	19.830	ng	99
72) Anthracene	11.40	178	119619	4.733	ng	98
75) Fluoranthene	12.54	202	562726	20.169	ng	98
78) Pyrene	12.77	202	724933	32.323	ng	98
81) Benzo(a)anthracene	13.95	228	280557	14.605	ng	98
83) Chrysene	13.99	228	289288	14.330	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	98763	4.308	ng	97
88) Benzo(b)fluoranthene	15.00	252	247768m	12.436	ng	
89) Benzo(k)fluoranthene	15.02	252	71985m	3.962	ng	
90) Benzo(a)pyrene	15.36	252	200550	11.033	ng	99
92) Benzo(a,h,i)perylene	17.29	276	103014	5.579	ng	98

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

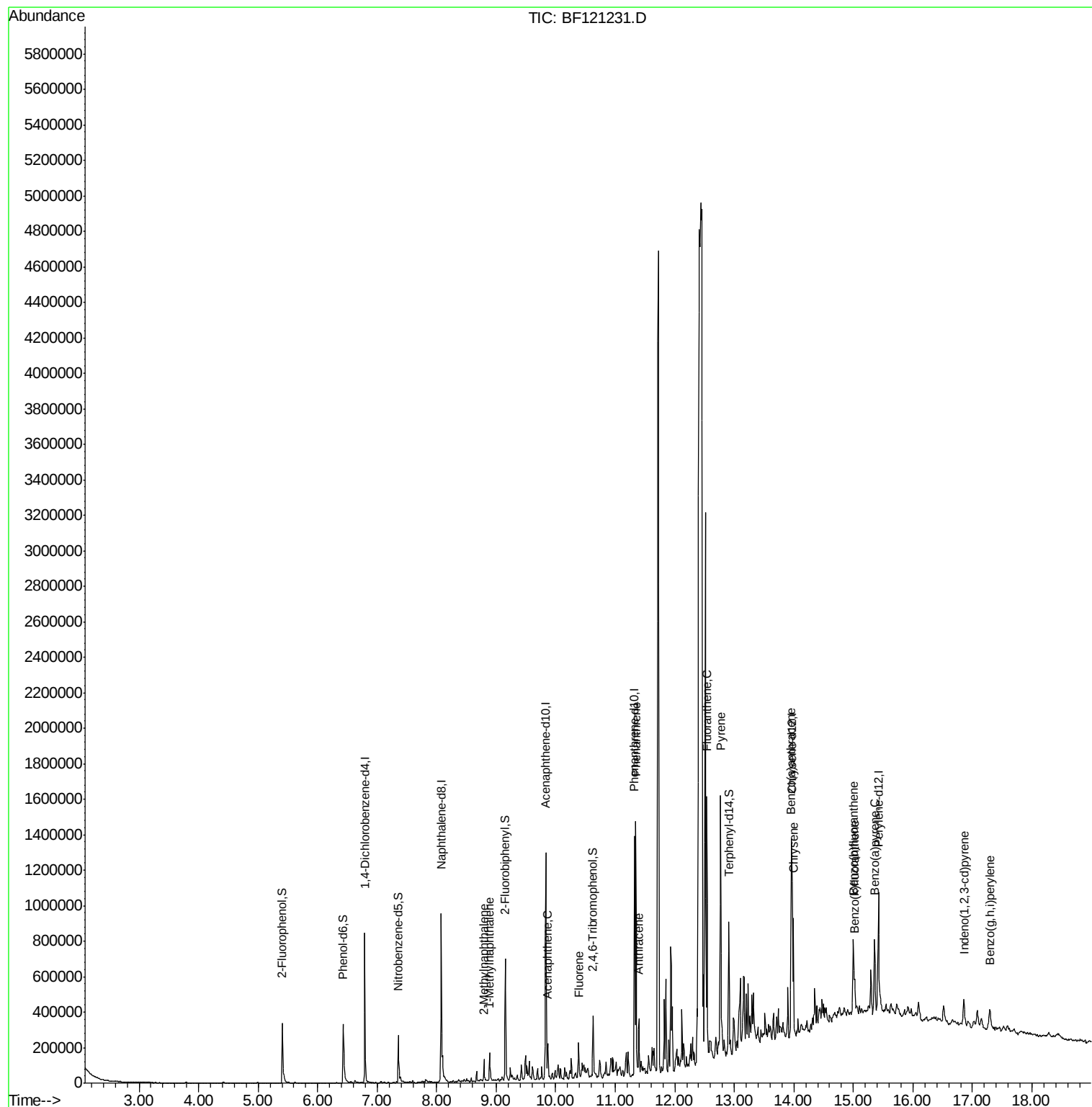
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121231.D
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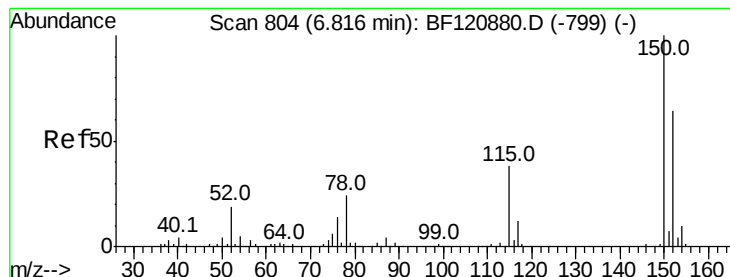
Instrument :
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Quant Time: Aug 07 16:27:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

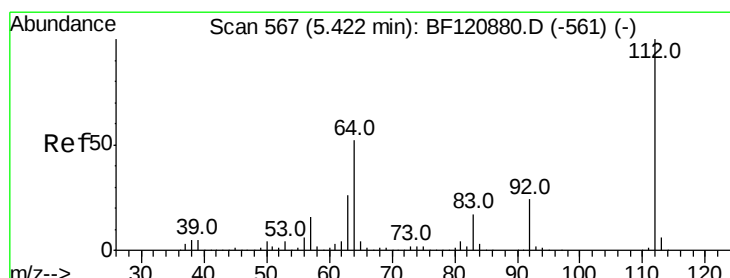
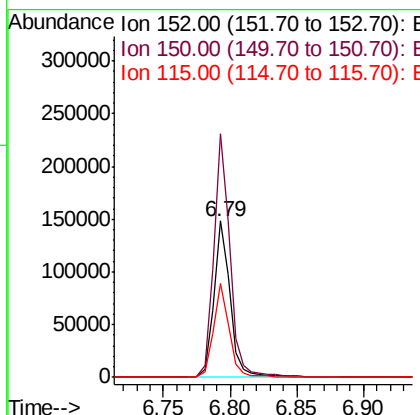
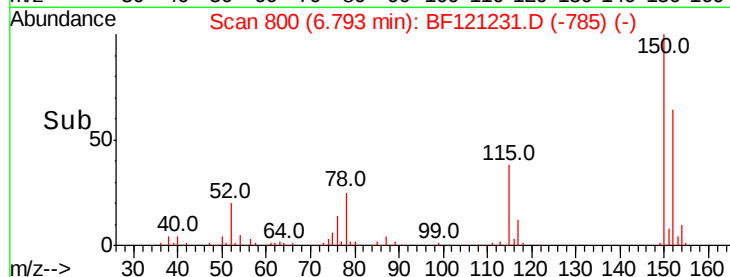
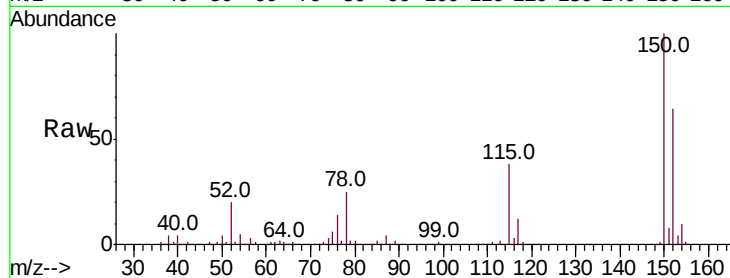
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.6	188.4
115	59.9	46.2	69.2

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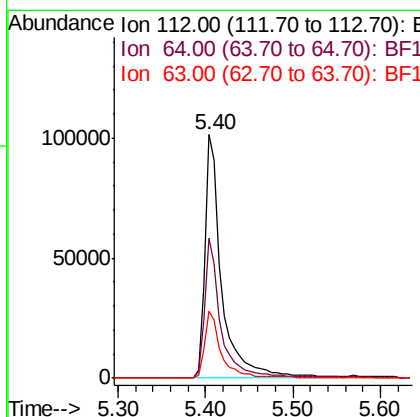
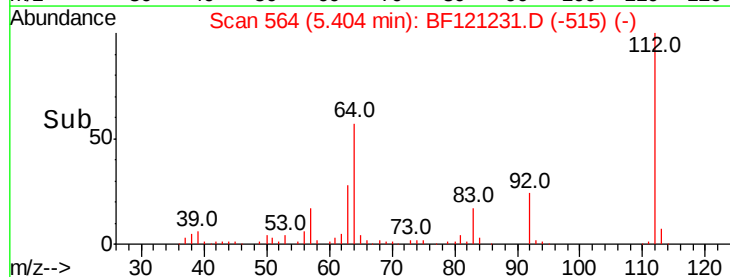
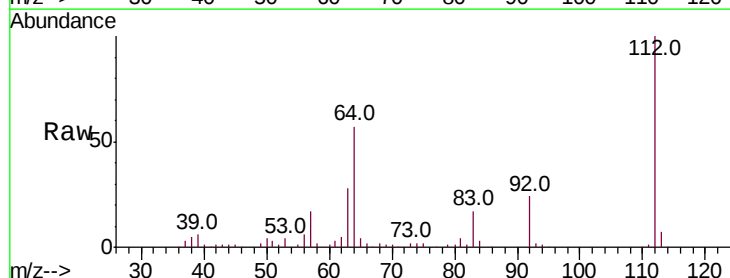
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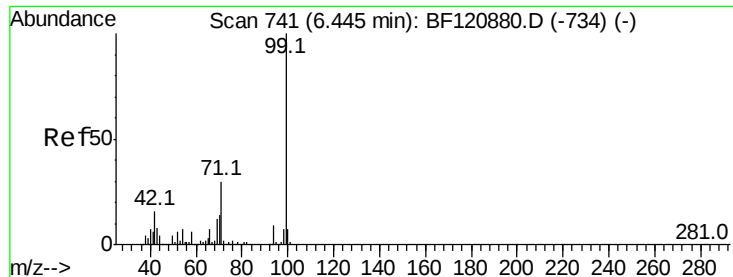


#5

2-Fluorophenol
Concen: 17.512 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	43.9	65.9
63	27.5	22.7	34.1





#7

Phenol-d6

Concen: 17.233 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

Instrument :

BNA_F

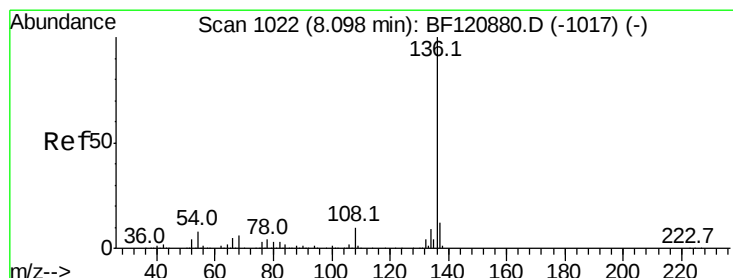
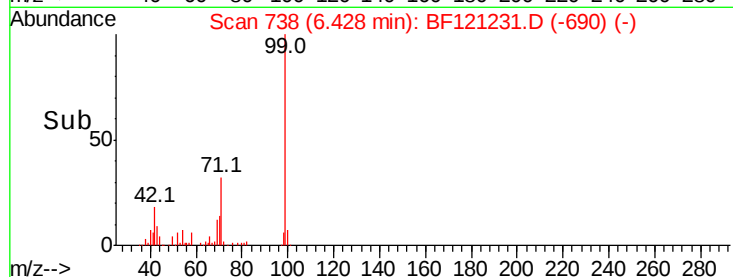
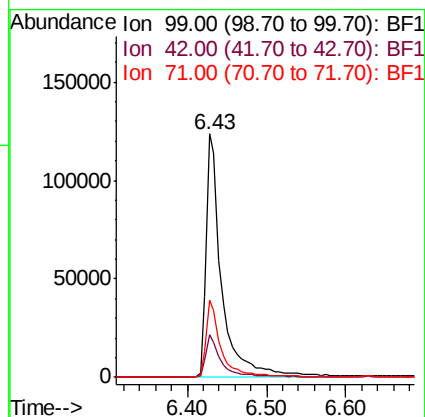
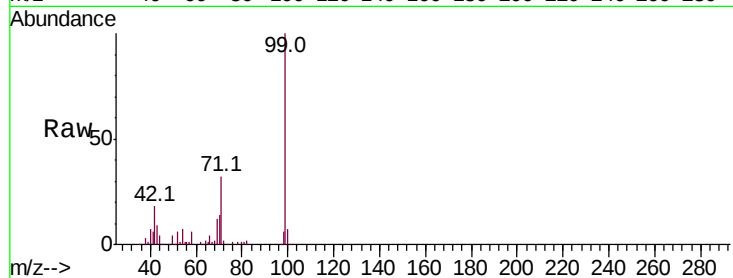
ClientSampleId :

TR-04-080620

Tot Ion:	99	Resp:	173966
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	31.5	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

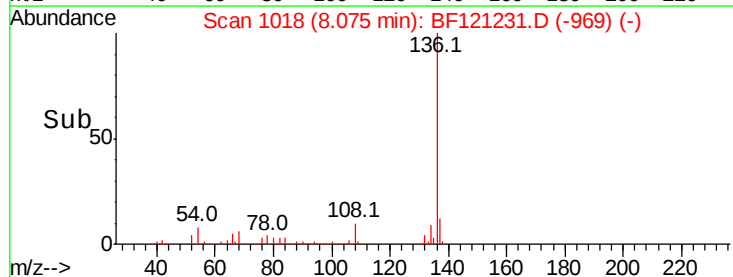
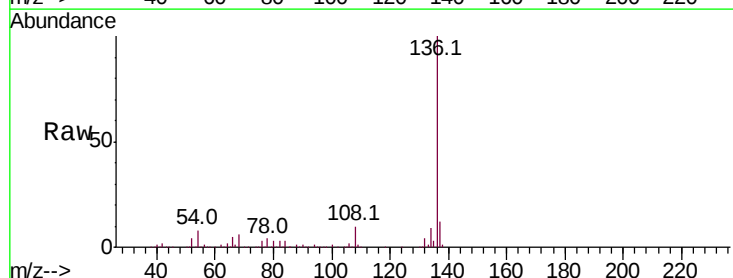
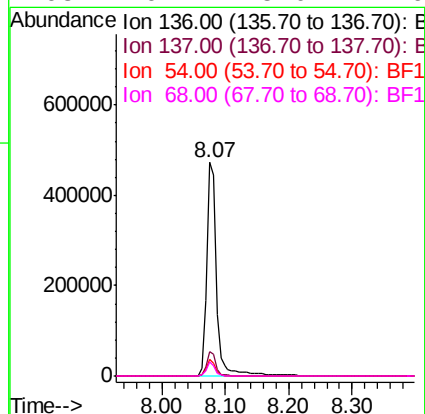
RT: 8.07 min Scan# 1018

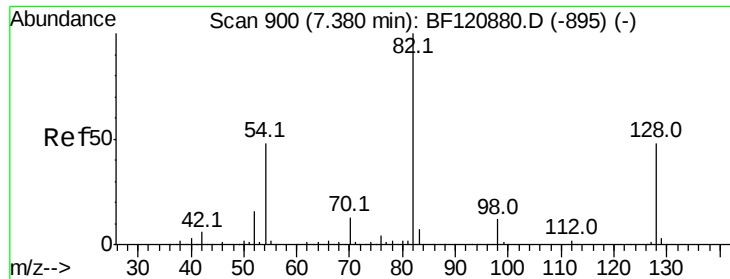
Delta R.T. -0.01 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

Tgt Ion:	136	Resp:	500696
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	7.9	6.1	9.1
68	6.4	5.0	7.6





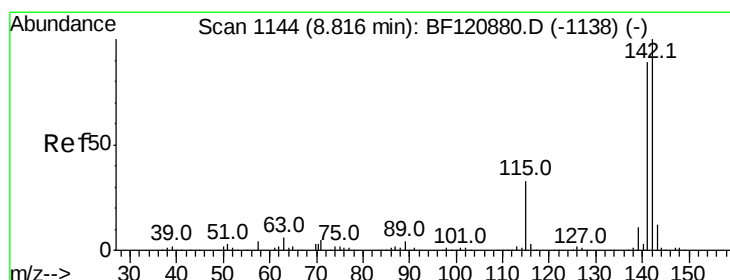
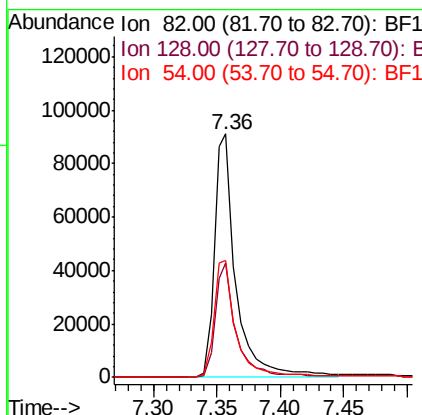
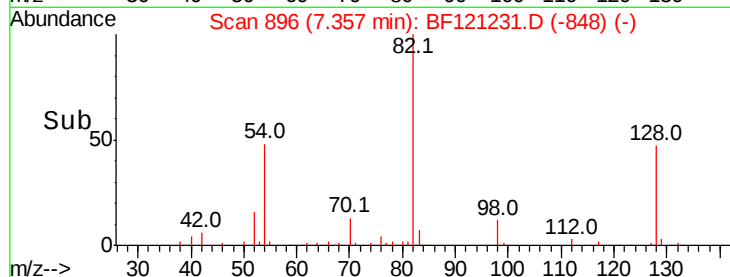
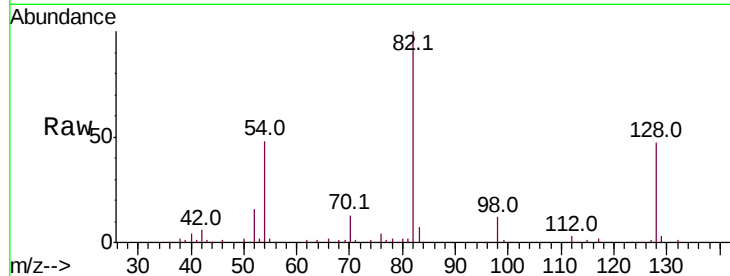
#23
 Nitrobenzene-d5
 Concen: 12.580 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	39.2	58.8
54	47.8	37.8	56.8

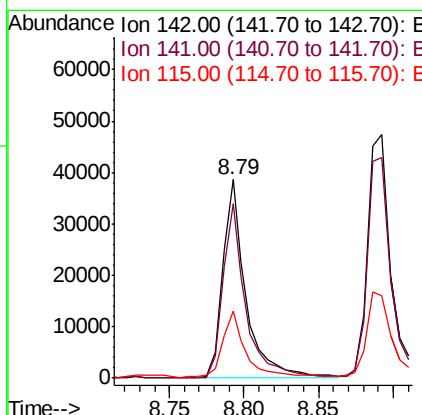
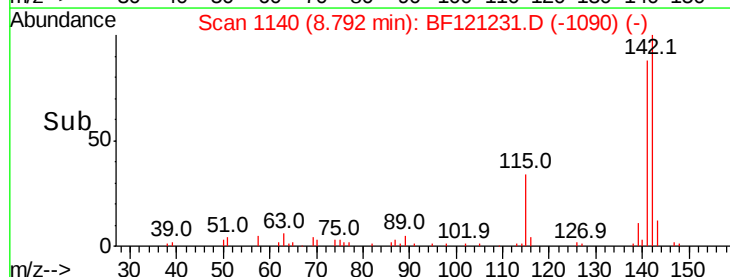
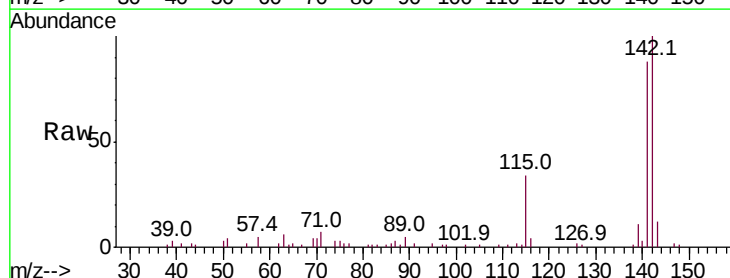
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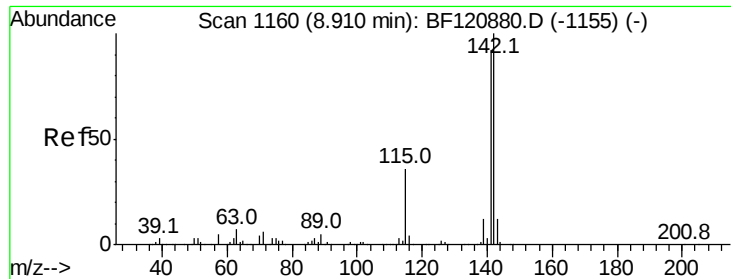
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#37
 2-Methylnaphthalene
 Concen: 2.522 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.6	105.8
115	33.6	27.1	40.7





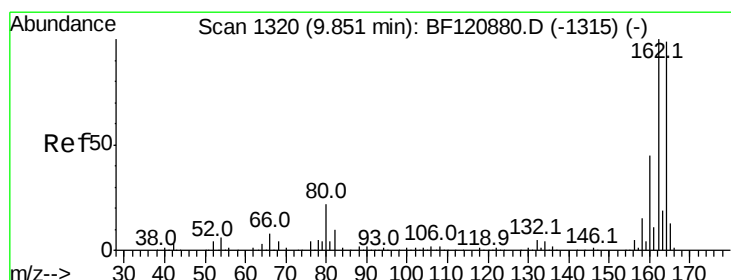
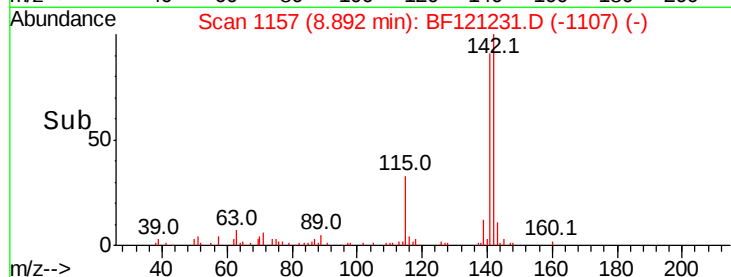
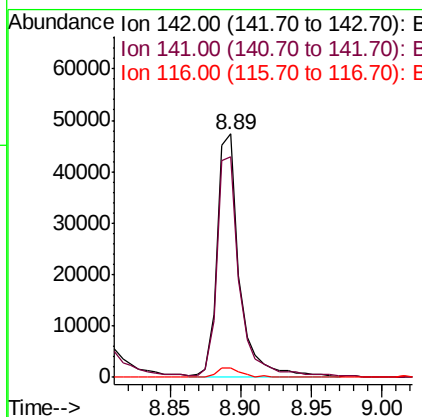
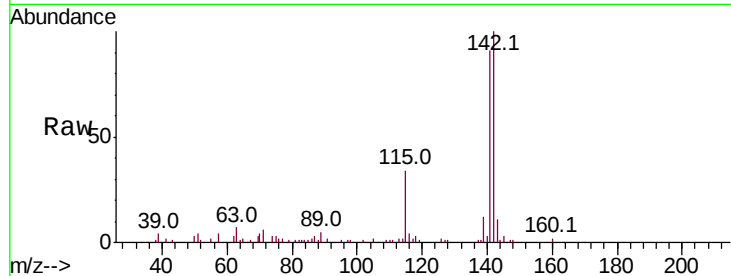
#38
1-Methylnaphthalene
Concen: 3.332 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

Tot Ion	Ratio	Resp	Lower	Upper
142	100	52628		
141	90.6	73.0	109.6	
116	3.8	3.0	4.6	

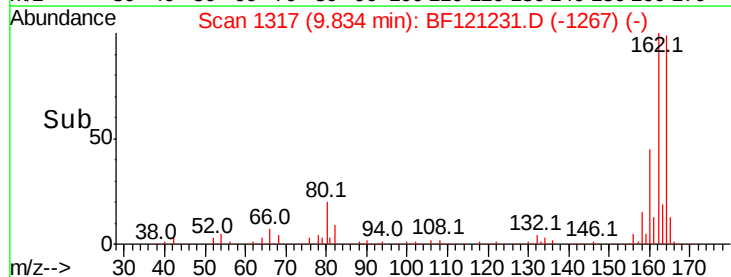
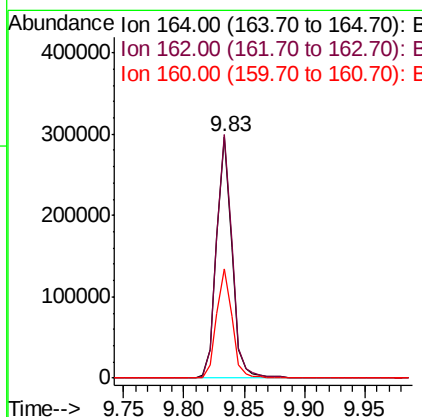
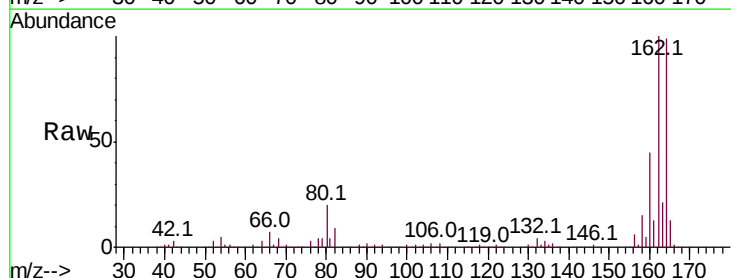
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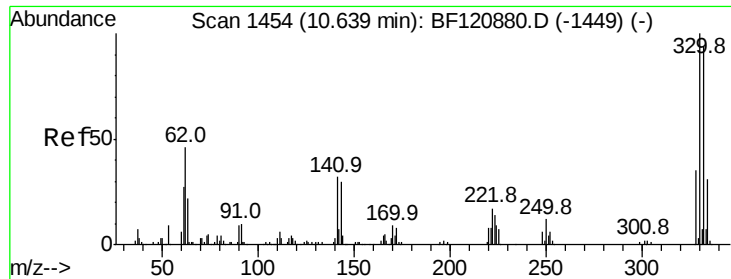
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	260165		
162	100.9	82.2	123.2	
160	45.2	37.2	55.8	





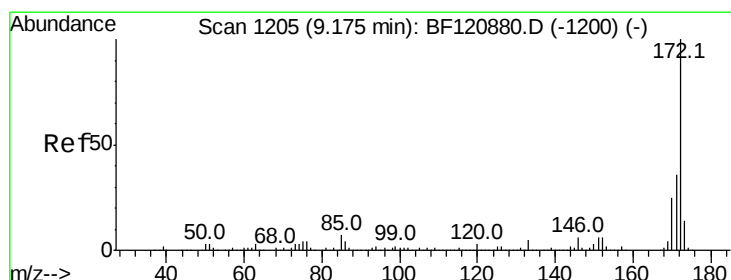
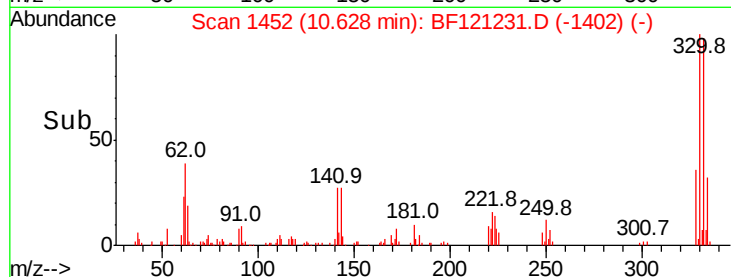
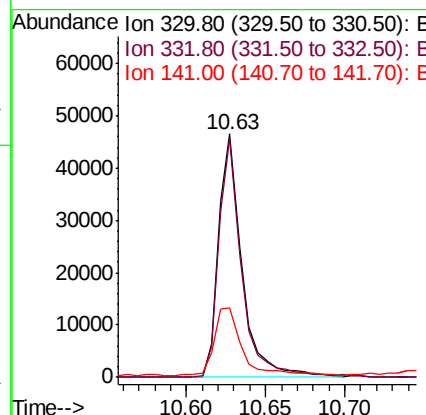
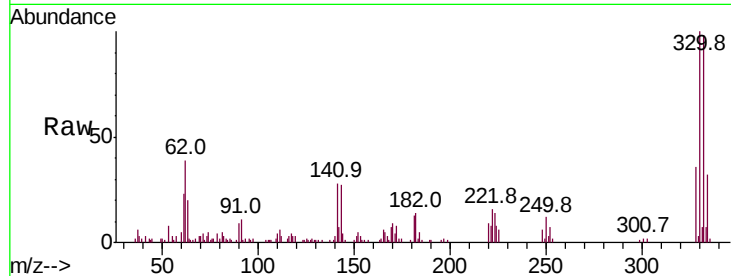
#42
 2,4,6-Tribromophenol
 Concen: 16.797 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.1	114.1
141	32.3	24.1	36.1

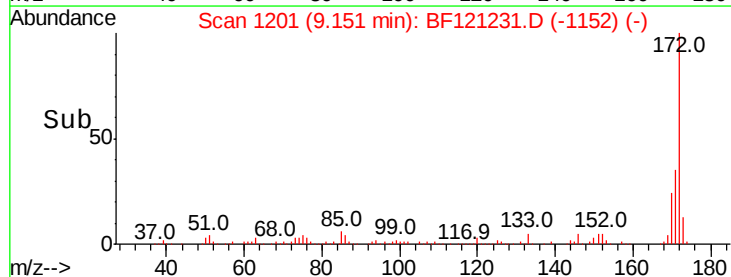
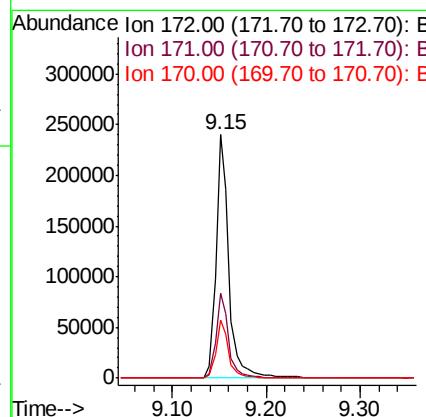
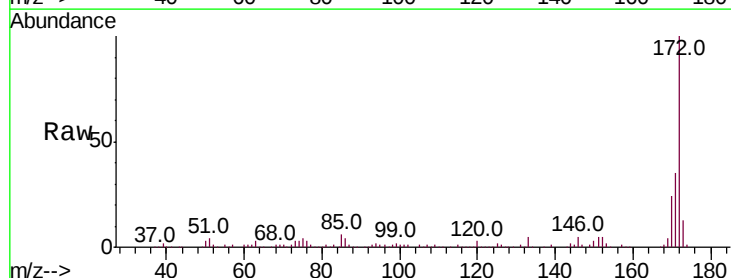
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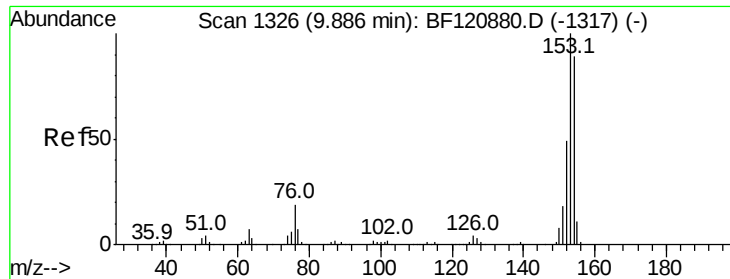
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#45
 2-Fluorobiphenyl
 Concen: 13.468 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.7	19.6	29.4





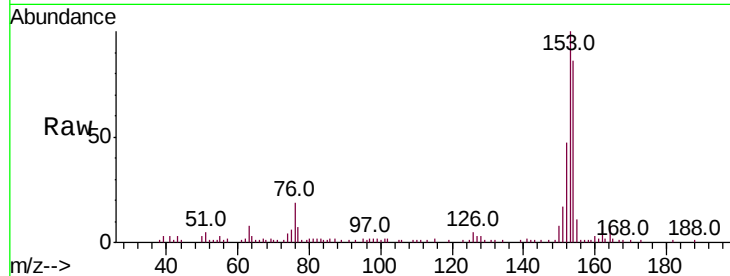
#52
Acenaphthene
Concen: 2.460 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

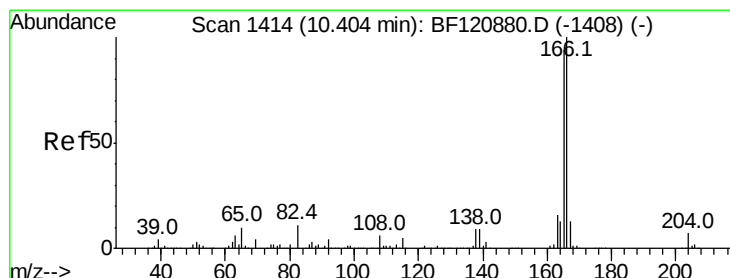
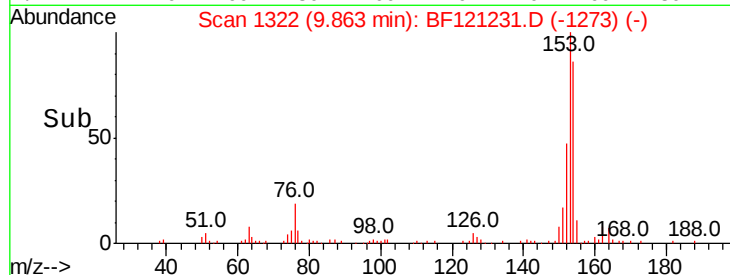
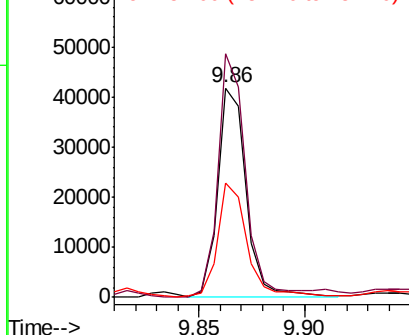
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.3	89.6	134.4
152	54.5	43.8	65.6

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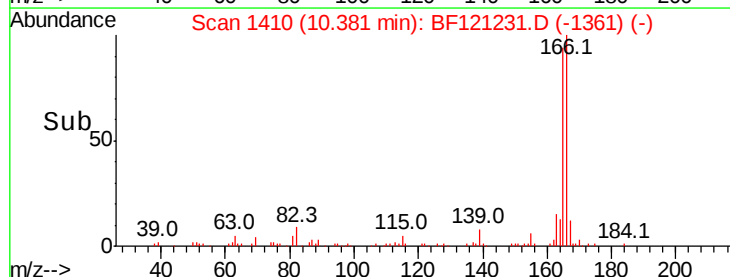
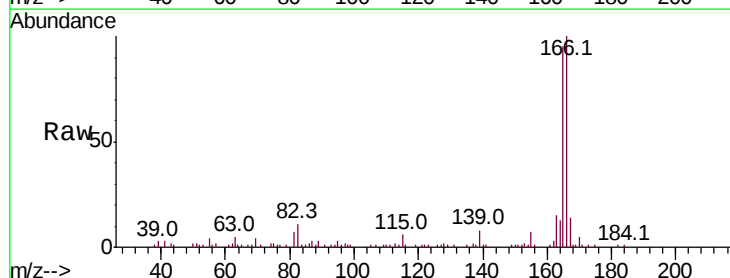
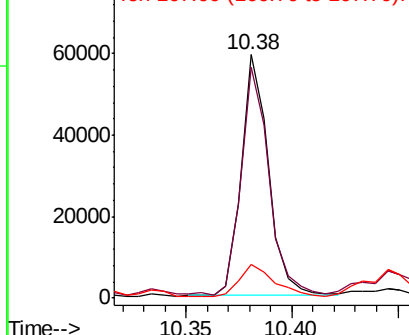
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Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

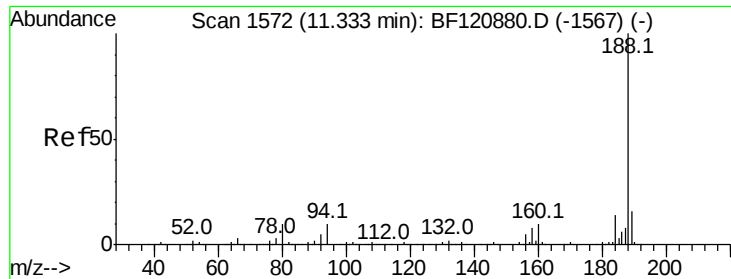


#58
Fluorene
Concen: 3.020 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	76.4	114.6
167	13.8	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





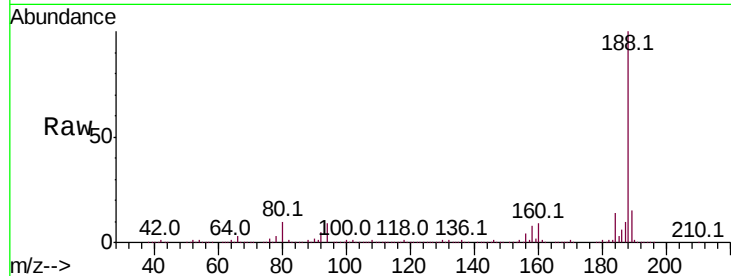
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

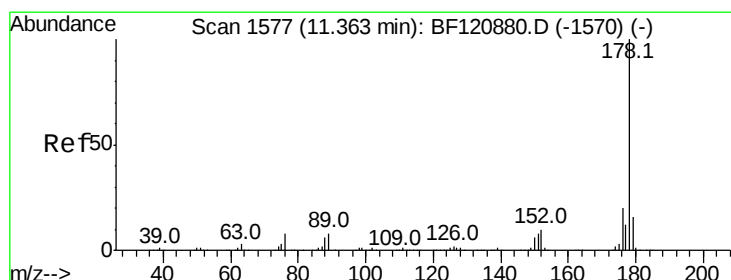
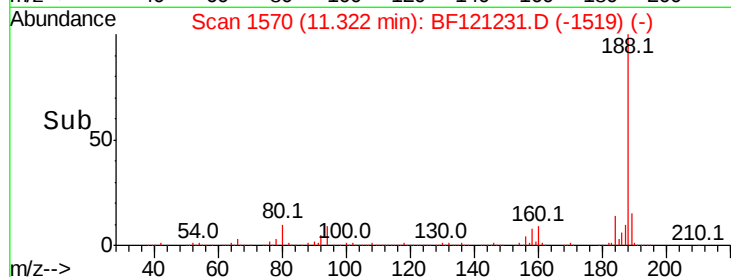
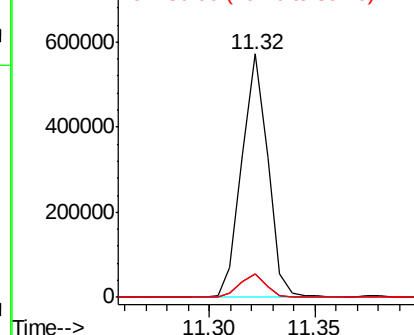
Tot Ion	Ratio	Resp	Lower	Upper
188	100	489427		
94	9.4		8.0	12.0
80	9.7		8.3	12.5

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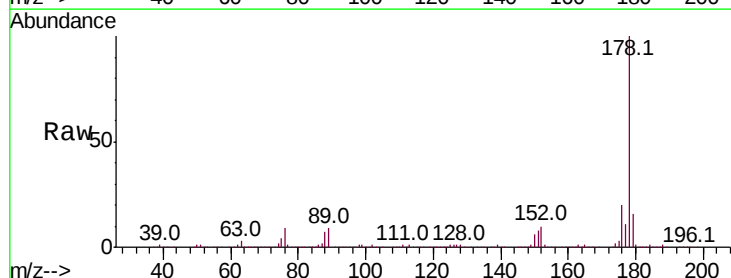


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

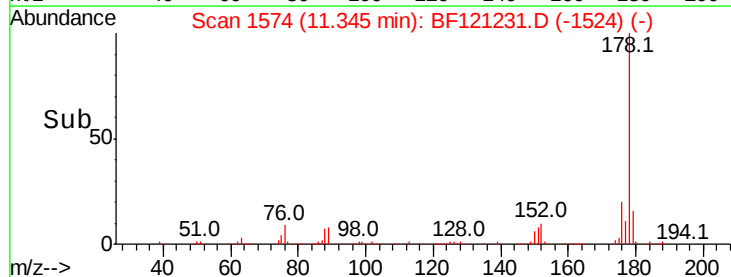
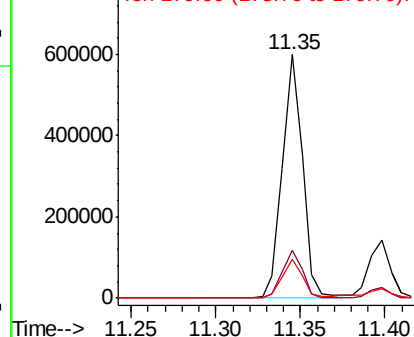


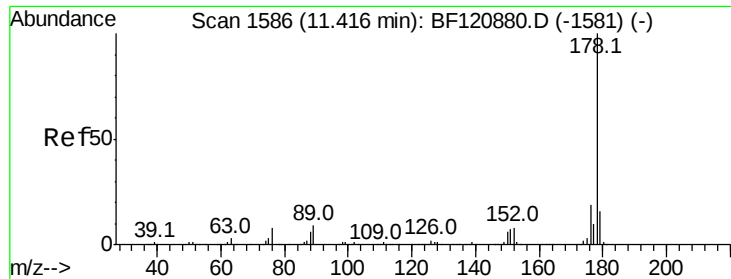
#71
Phenanthrene
Concen: 19.830 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	499159		
176	19.6		16.2	24.2
179	15.9		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





#72

Anthracene

Concen: 4.733 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

Instrument :

BNA_F

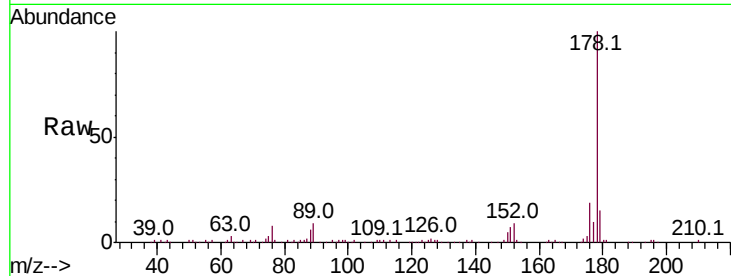
ClientSampleId :

TR-04-080620

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.5	12.6	19.0

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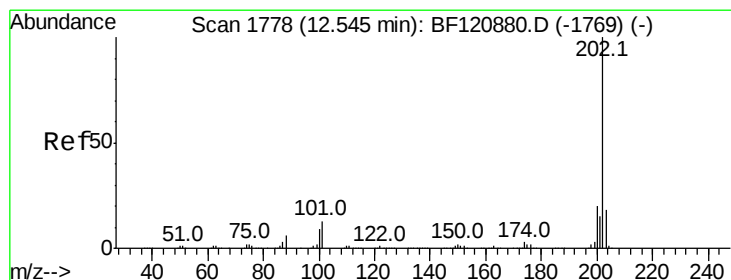
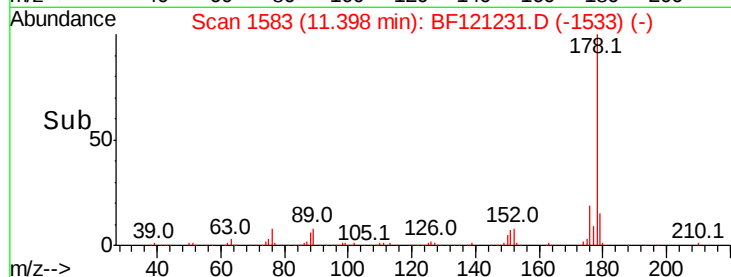
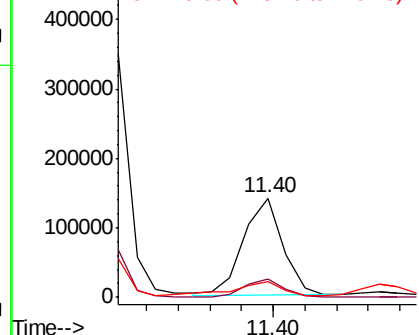
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 20.169 ng

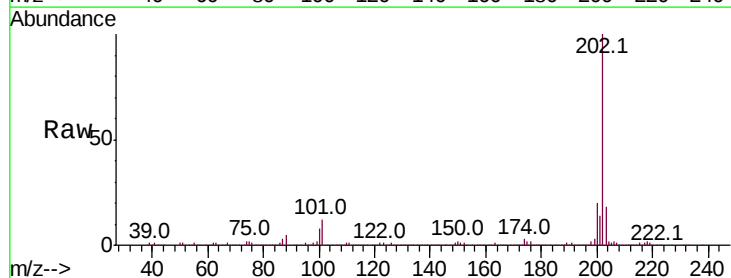
RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

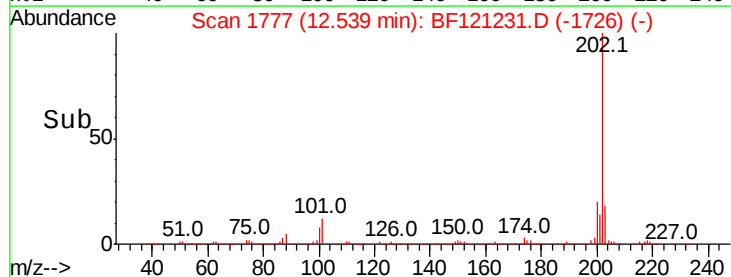
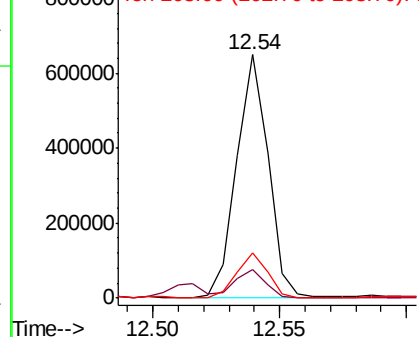
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.5
203	18.4	0.0	37.7

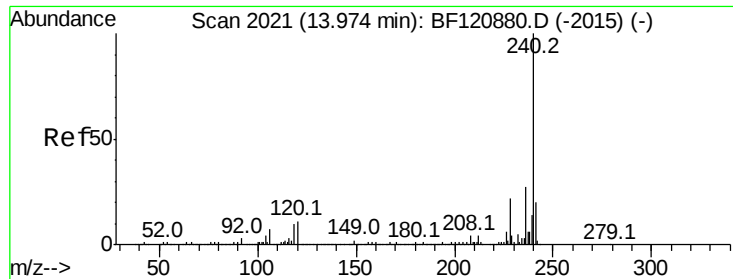


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF121231.D

Acq: 7 Aug 2020 14:59

Instrument :

BNA_F

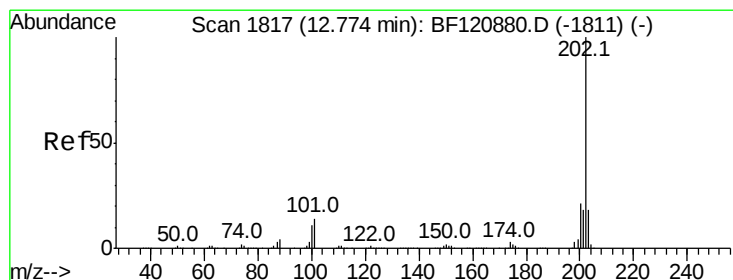
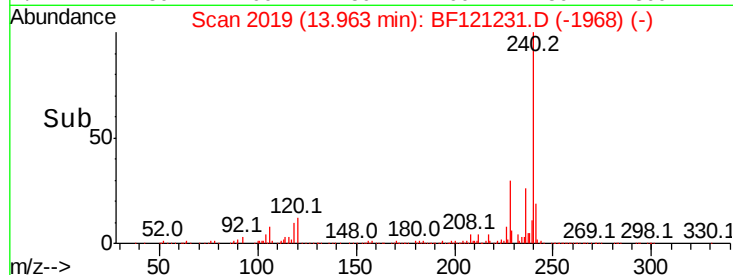
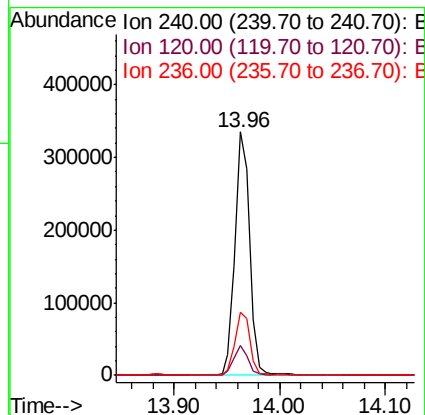
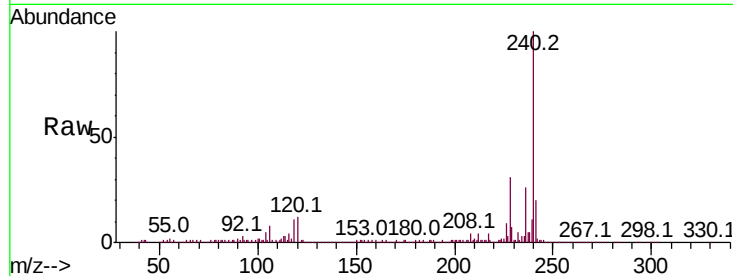
ClientSampleId :

TR-04-080620

Tot Ion:	240	Resp:	317224
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.3	13.9
236	25.9	21.1	31.7

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#78

Pyrene

Concen: 32.323 ng

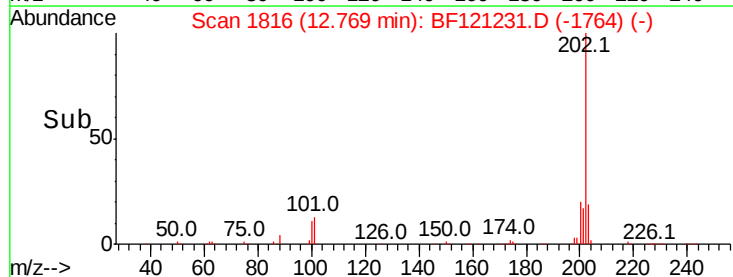
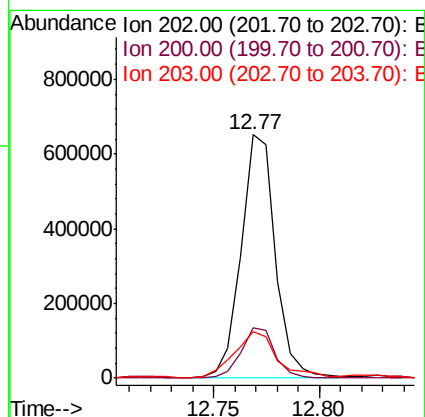
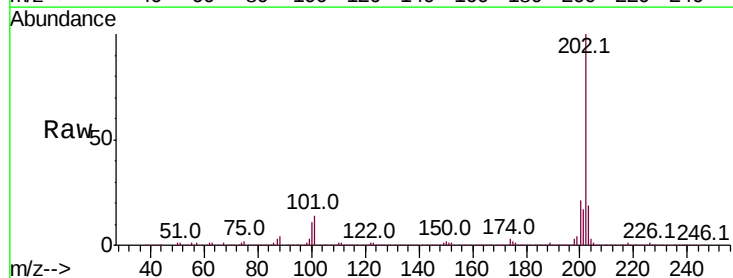
RT: 12.77 min Scan# 1816

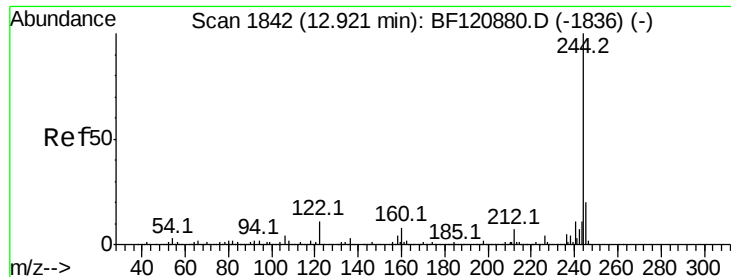
Delta R.T. 0.01 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

Tgt Ion:	202	Resp:	724933
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.6
203	19.1	14.6	21.8





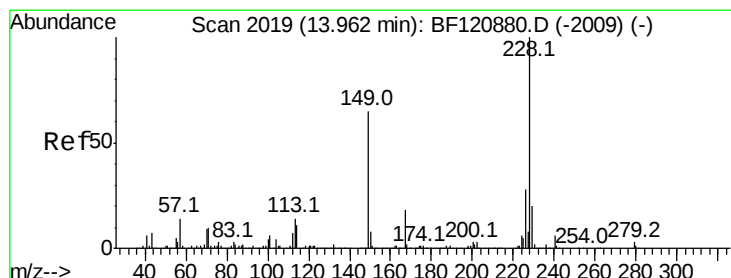
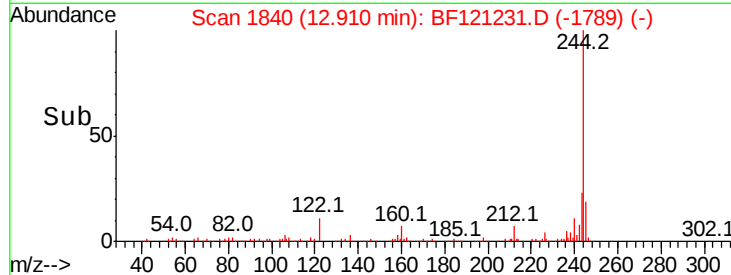
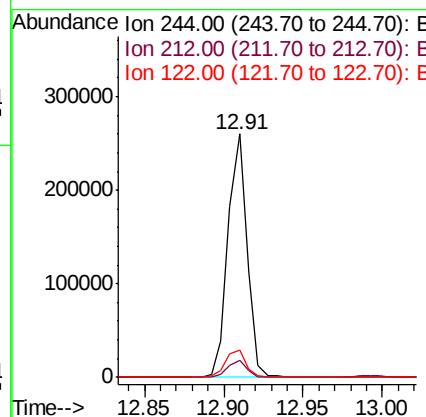
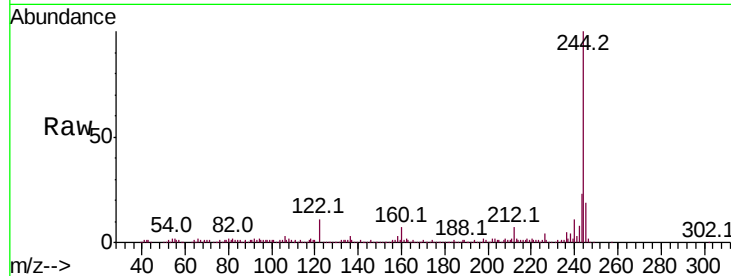
#79
 Terphenyl-d14
 Concen: 14.938 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

Tot Ion:	244	Resp:	217987
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.7	8.5
122	11.1	8.3	12.5

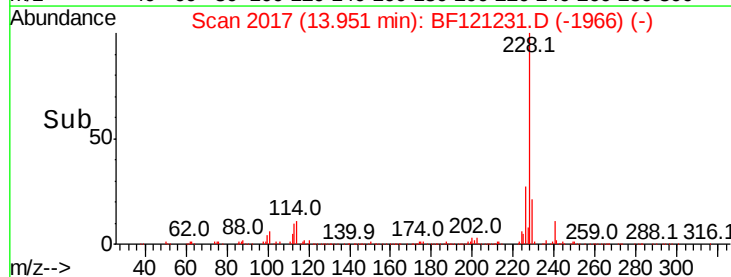
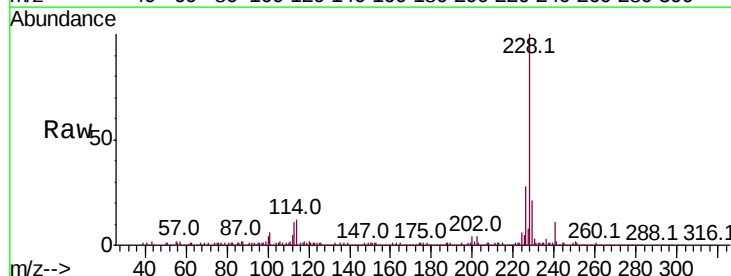
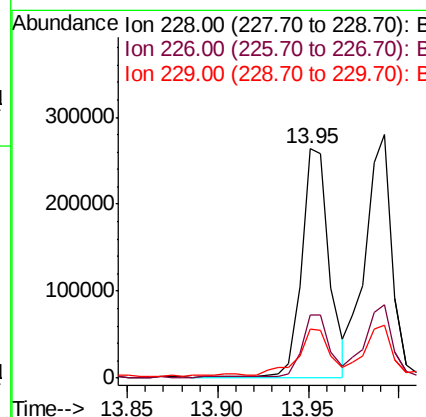
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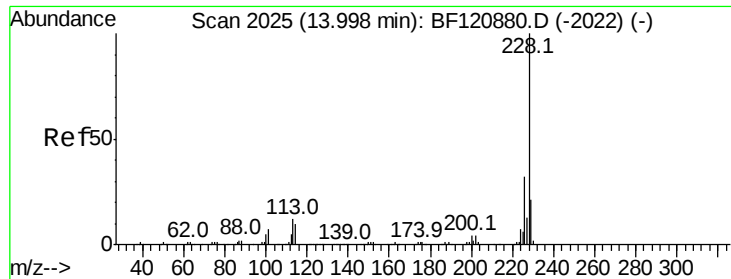
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#81
 Benzo(a)anthracene
 Concen: 14.605 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Tgt Ion:	228	Resp:	280557
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	34.0
229	21.3	16.1	24.1





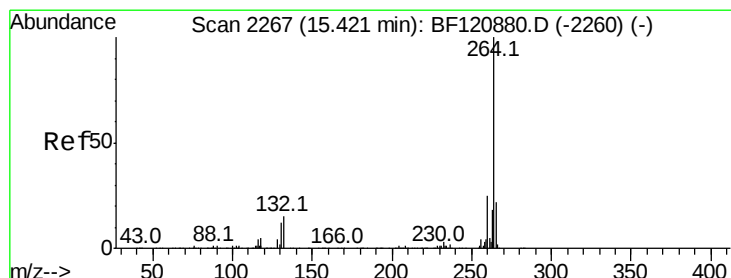
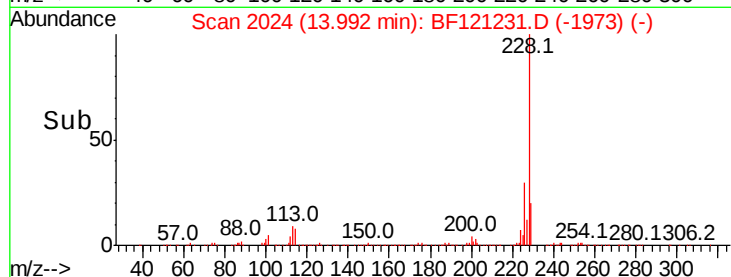
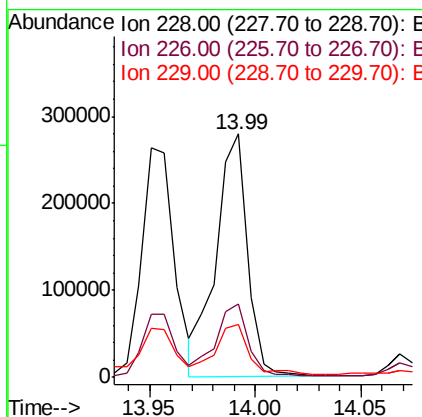
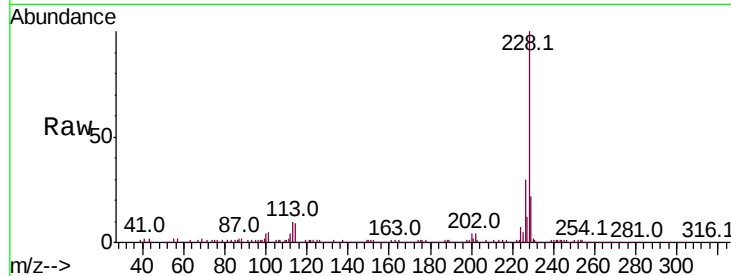
#83
Chrysene
Concen: 14.330 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

Tot Ion:	228	Resp:	289288
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.0
229	21.5	16.2	24.4

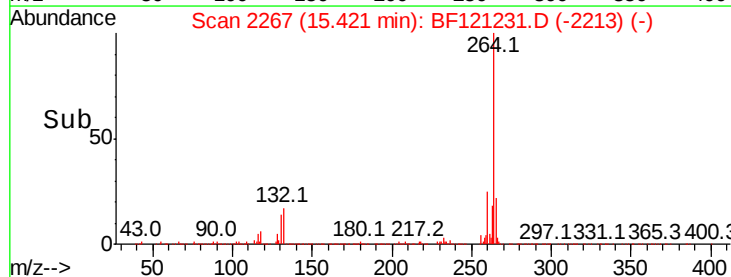
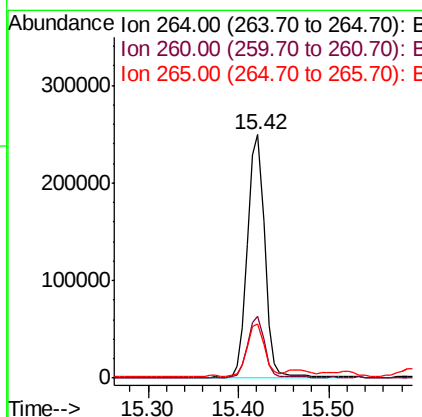
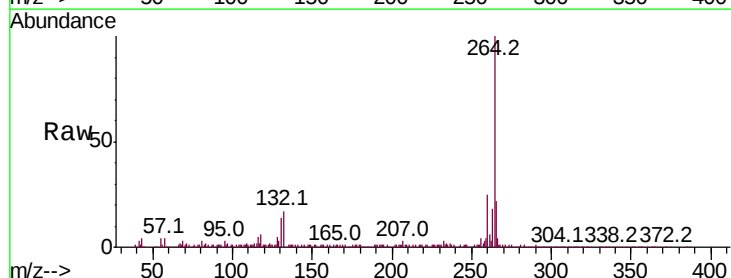
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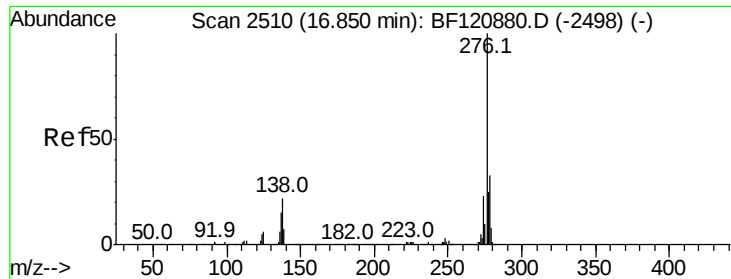
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121231.D
Acq: 7 Aug 2020 14:59

Tgt Ion:	264	Resp:	329617
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.9	29.9
265	22.4	17.8	26.8





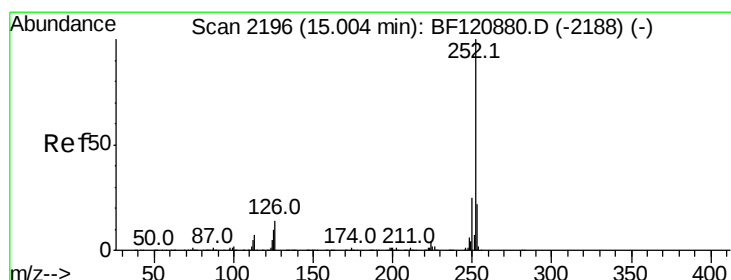
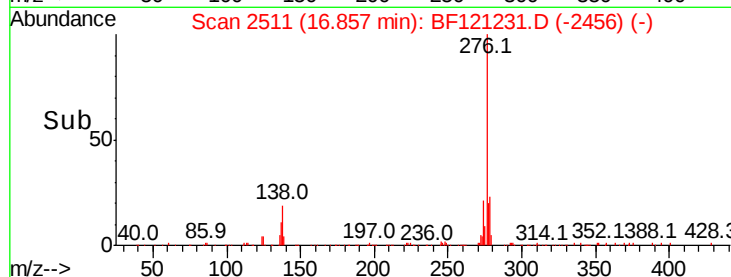
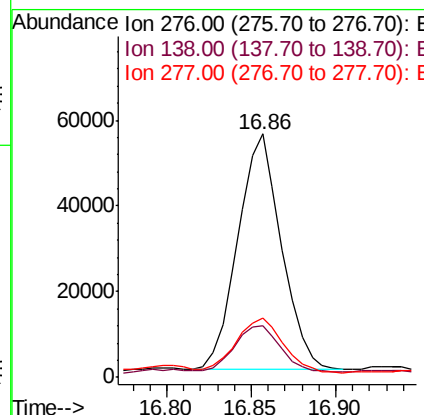
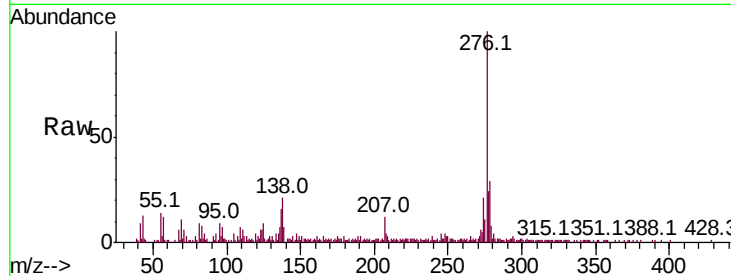
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.308 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.3	28.9
277	24.9	20.1	30.1

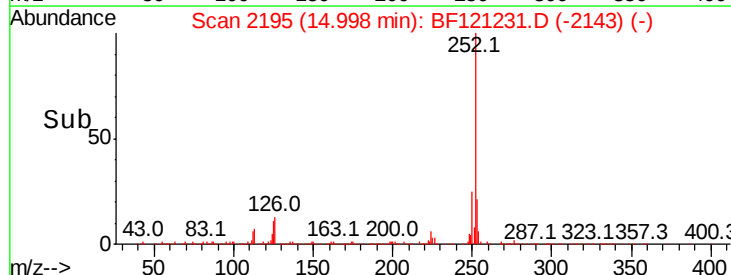
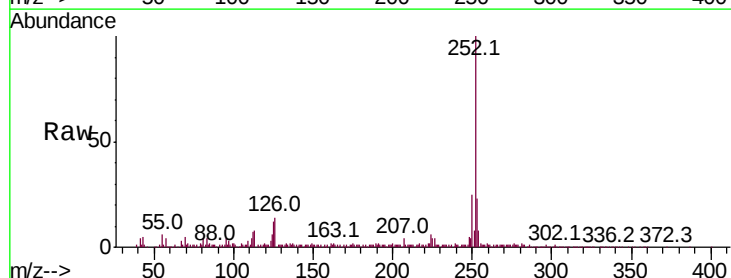
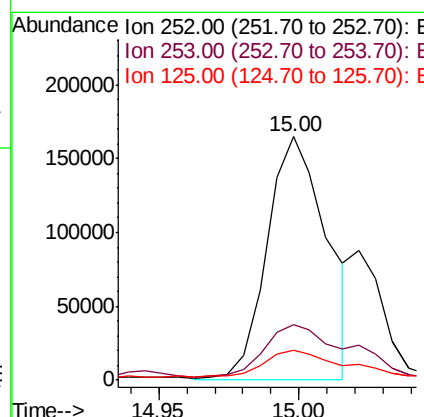
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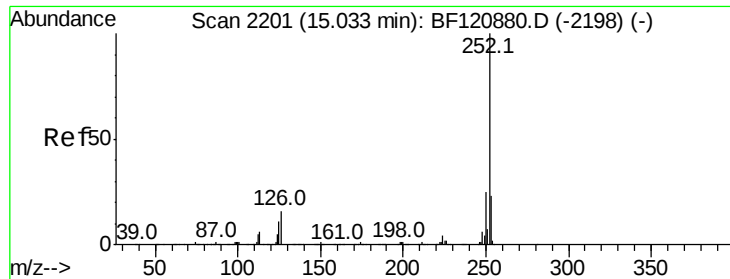
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 12.436 ng m
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.2	8.1	12.1#





#89

Benzo(k)fluoranthene

Concen: 3.962 ng m

RT: 15.02 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

Instrument :

BNA_F

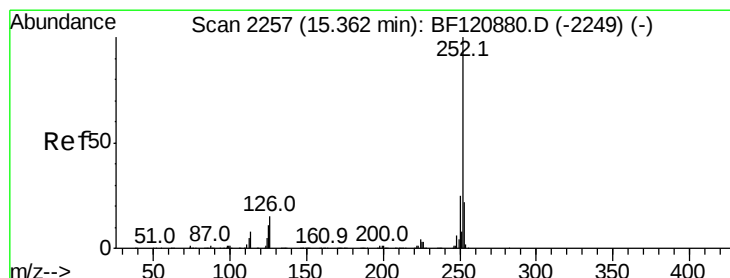
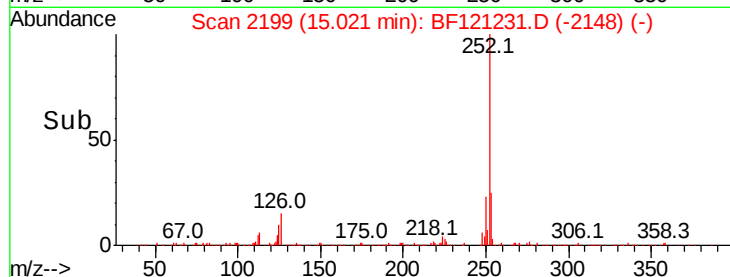
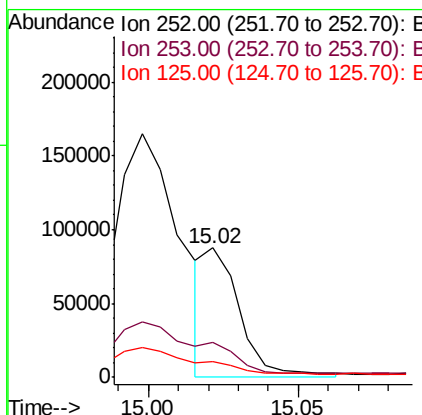
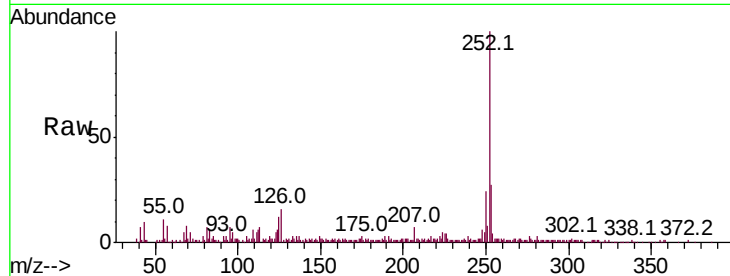
ClientSampleId :

TR-04-080620

Tot Ion:	252	Resp:	71985
Ion Ratio	Lower	Upper	
252	100		
253	26.8	18.1	27.1
125	12.0	8.0	12.0

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#90

Benzo(a)pyrene

Concen: 11.033 ng

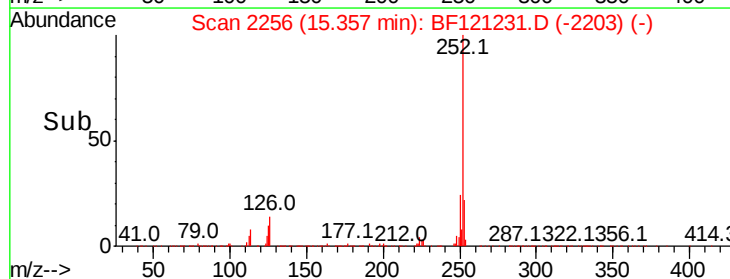
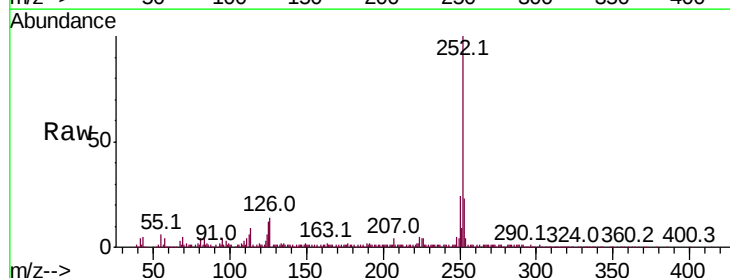
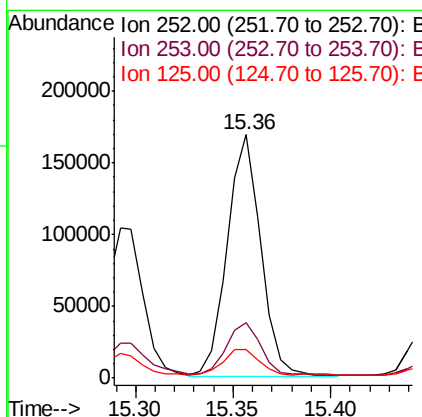
RT: 15.36 min Scan# 2256

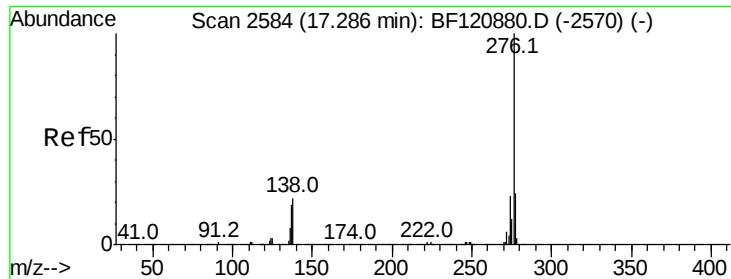
Delta R.T. 0.01 min

Lab File: BF121231.D

Acq: 7 Aug 2020 14:59

Tgt Ion:	252	Resp:	200550
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	11.6	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 5.579 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.03 min
 Lab File: BF121231.D
 Acq: 7 Aug 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	23.0	17.2	25.8

Manual Integrations
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