

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121135.D
 Acq On : 30 Jul 2020 18:45
 Operator : JU/CG
 Sample : L3183-18 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

Manual Integrations
 APPROVED

Sohil
 7/31/2020 12:11:54 PM

Quant Time: Jul 31 09:05:42 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	132949	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	513053	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	264644	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	503366	20.00	ng	0.00
76) Chrysene-d12	13.97	240	327423	20.00	ng	0.00
86) Perylene-d12	15.42	264	372067	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	347832	42.89	ng	-0.01
7) Phenol-d6	6.43	99	437280	41.74	ng	-0.02
23) Nitrobenzene-d5	7.35	82	276060	31.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	119201	41.15	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	556951	31.42	ng	-0.01
79) Terphenyl-d14	12.91	244	543489	36.08	ng	0.00
Target Compounds						
49) Acenaphthylene	9.69	152	120649	4.719	ng	99
50) Dimethylphthalate	9.55	163	98478	5.158	ng	99
58) Fluorene	10.38	166	51570	2.941	ng	99
71) Phenanthrene	11.35	178	356538	13.772	ng	99
72) Anthracene	11.39	178	172864	6.650	ng	97
75) Fluoranthene	12.54	202	1182627	41.213	ng	98
78) Pyrene	12.77	202	1291279	55.781	ng	100
81) Benzo(a)anthracene	13.96	228	657785	33.176	ng	95
83) Chrysene	13.99	228	603884	28.982	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	365109	14.110	ng	97
88) Benzo(b)fluoranthene	15.00	252	853429m	37.947	ng	
89) Benzo(k)fluoranthene	15.03	252	187348m	9.134	ng	
90) Benzo(a)pyrene	15.36	252	601677	29.323	ng	99
91) Dibenzo(a,h)anthracene	16.87	278	99676	4.716	ng	# 91
92) Benzo(a,h,i)perylene	17.30	276	330167	15.842	ng	99

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

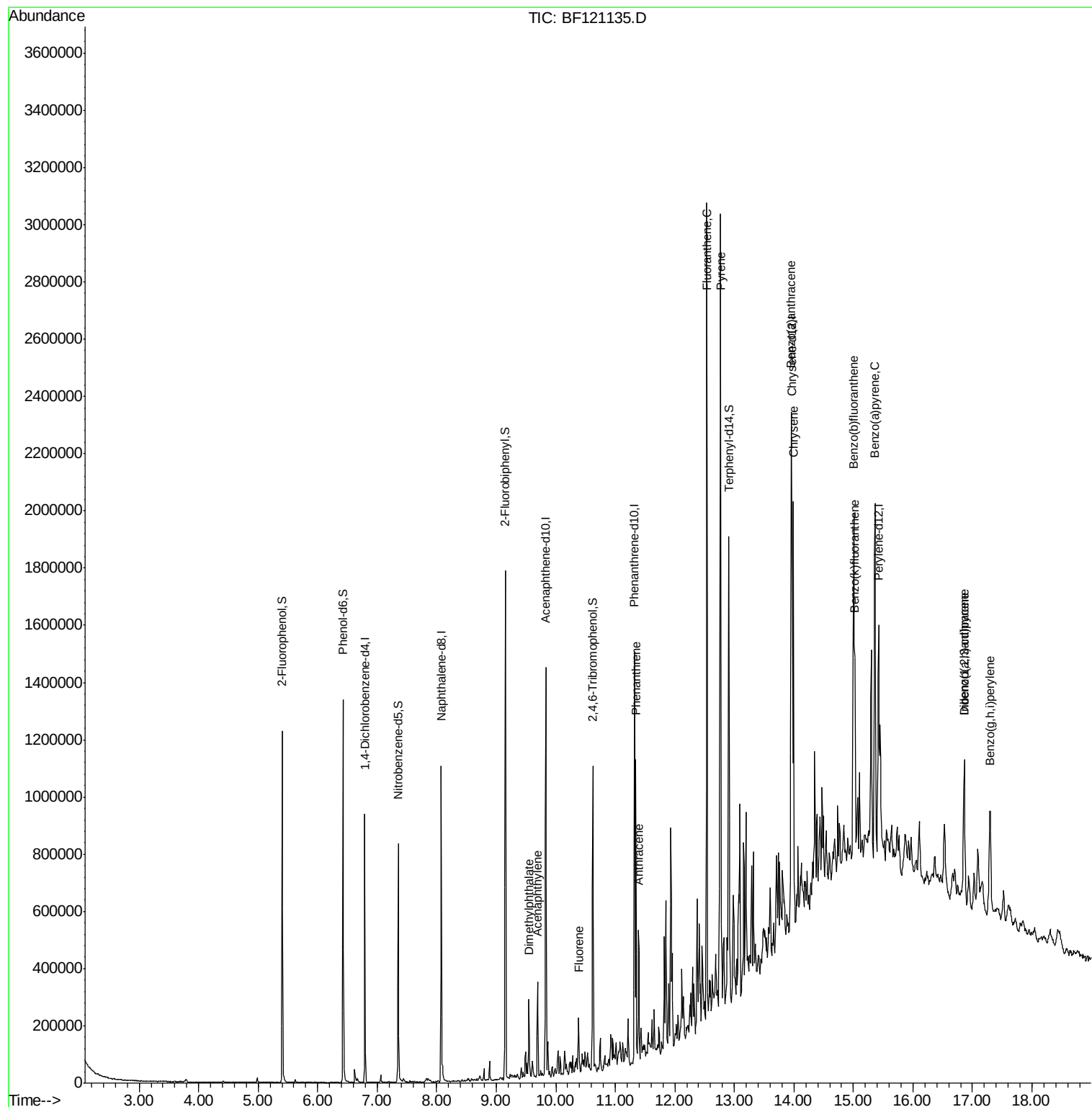
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121135.D
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Sample : L3183-18 2X
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ALS Vial : 11 Sample Multiplier: 1

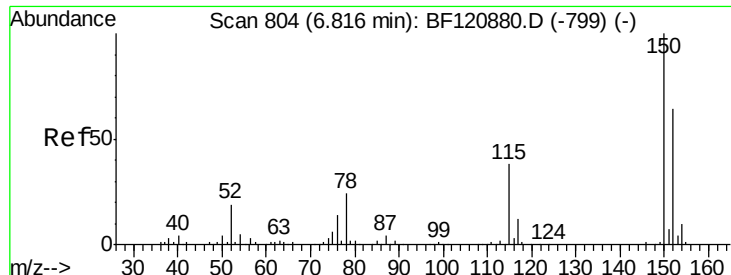
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
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#1

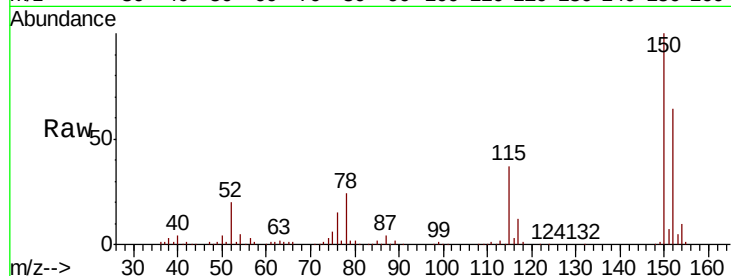
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.6	188.4
115	58.2	46.2	69.2

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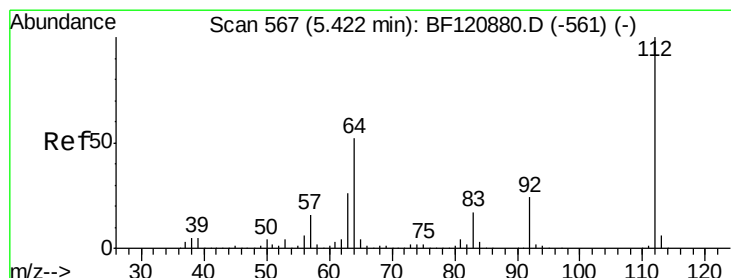
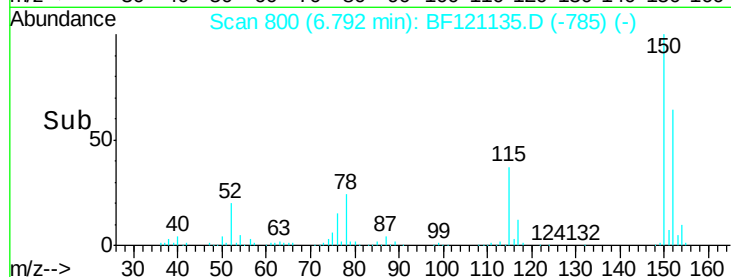
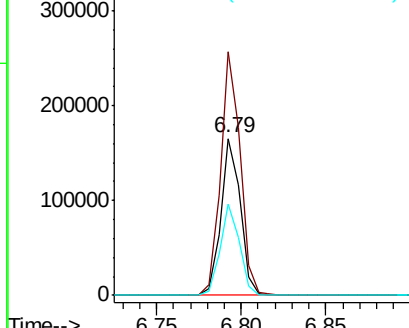


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

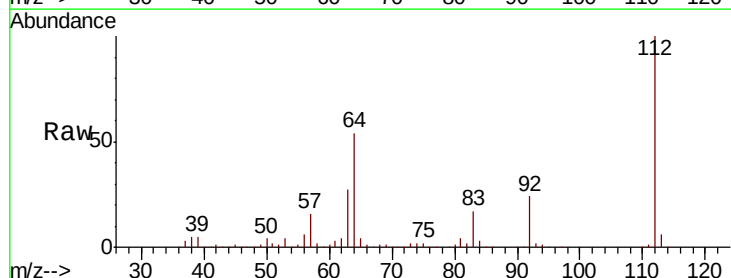
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.890 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	43.9	65.9
63	26.8	22.7	34.1

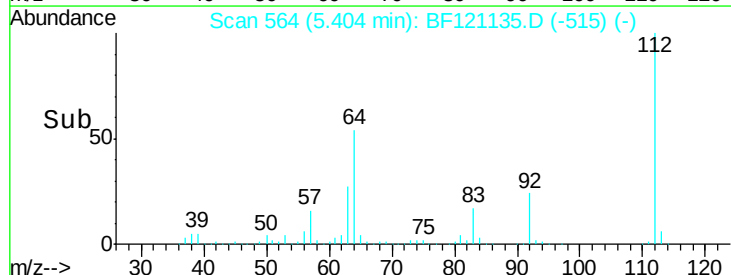
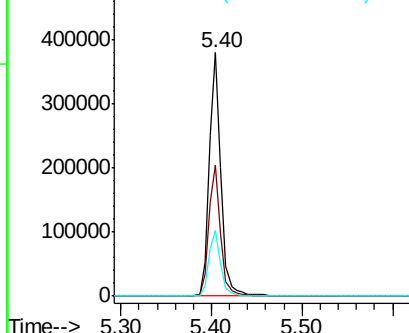


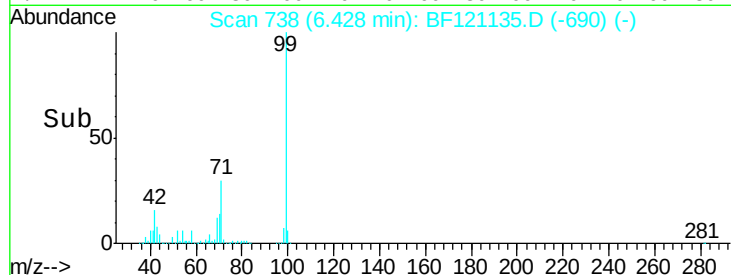
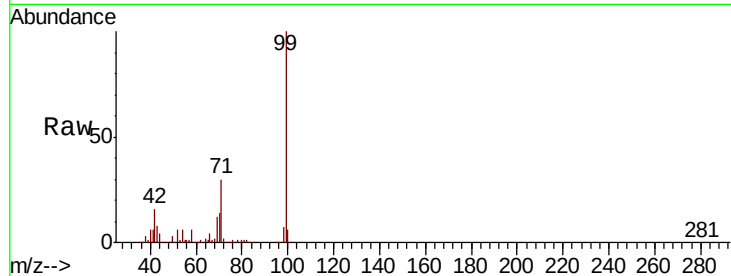
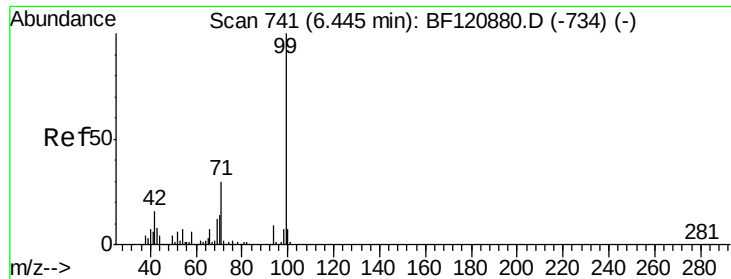
Abundance

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: 41.742 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tot Ion:	99	Resp:	437280
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	30.1	25.0	37.4

Instrument :

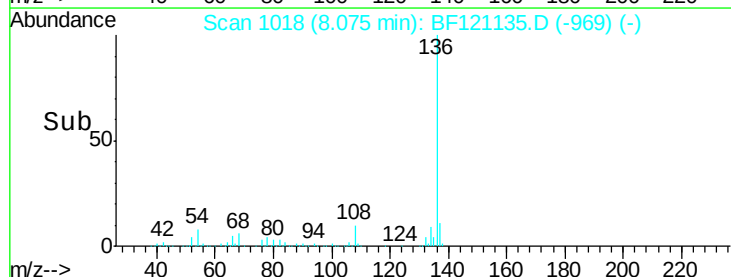
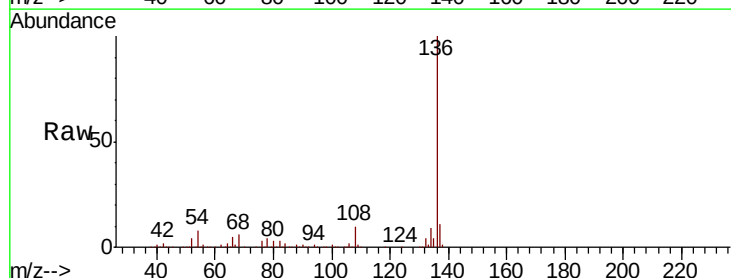
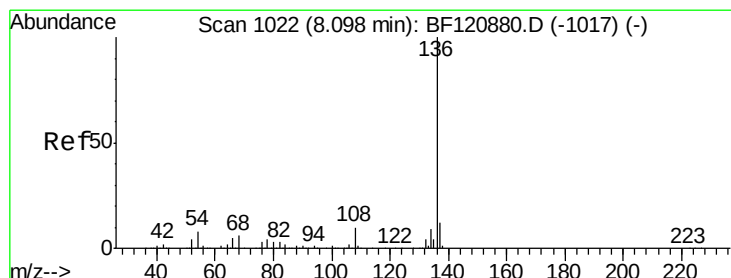
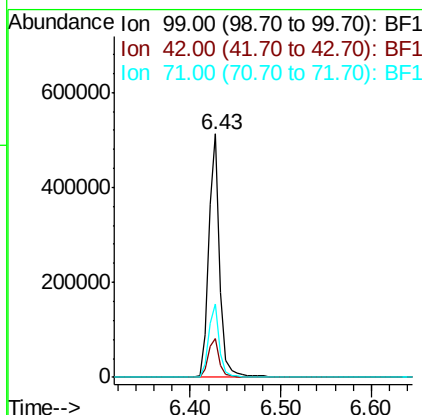
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

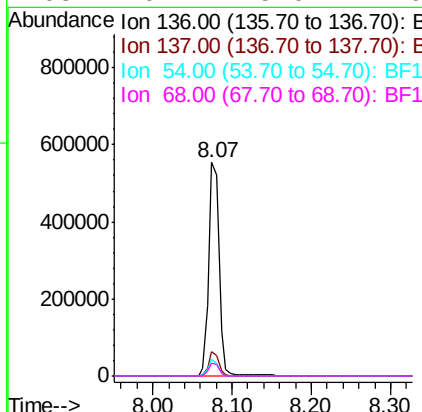
RT: 8.07 min Scan# 1018

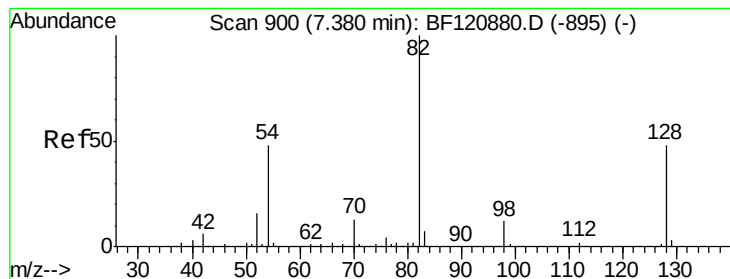
Delta R.T. -0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion:	136	Resp:	513053
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	7.8	6.1	9.1
68	6.1	5.0	7.6





#23

Nitrobenzene-d5

Concen: 31.135 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

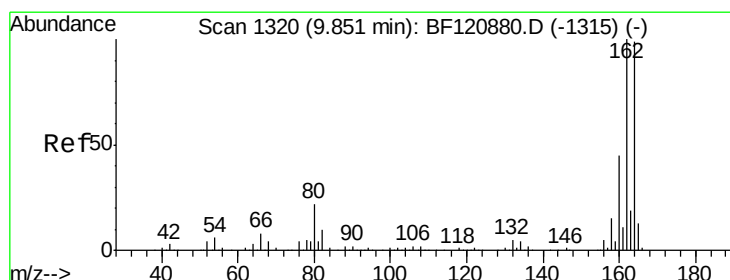
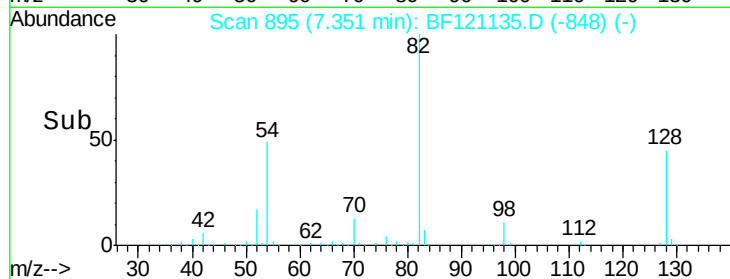
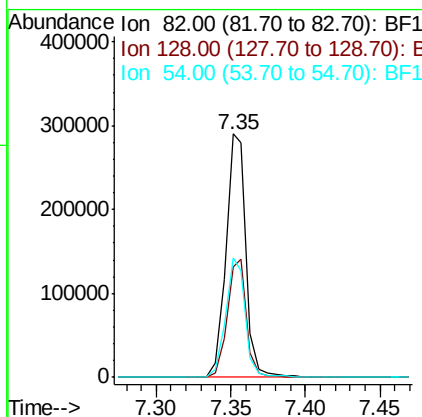
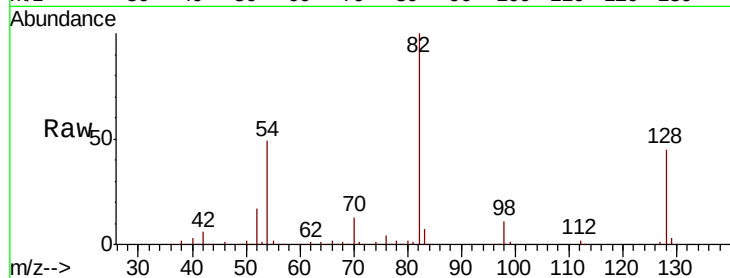
ClientSampleId :

OK-02-072820

Tot Ion:	82	Resp:	276060
Ion Ratio	Lower	Upper	
82	100		
128	45.4	39.2	58.8
54	49.3	37.8	56.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

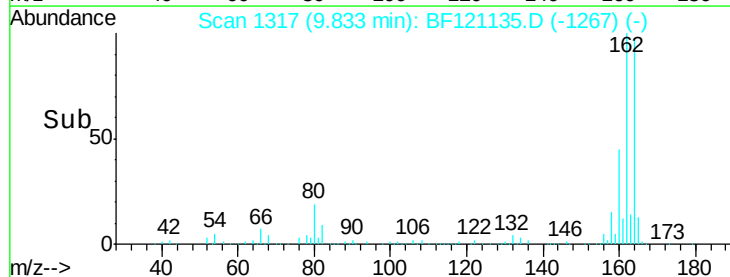
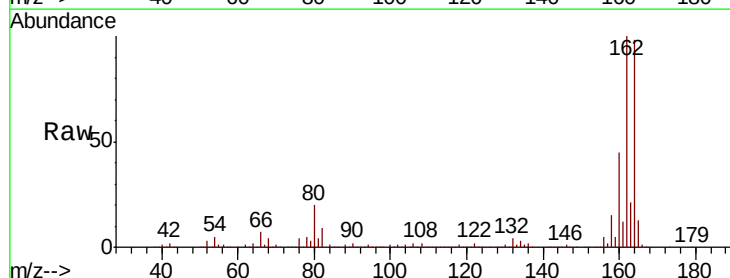
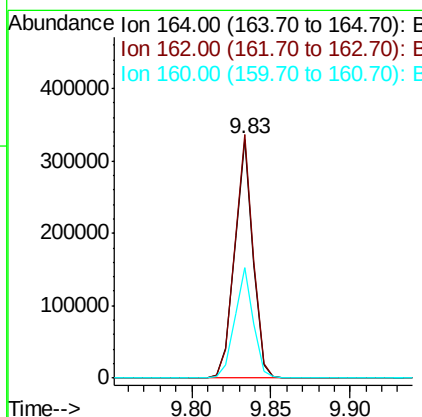
RT: 9.83 min Scan# 1317

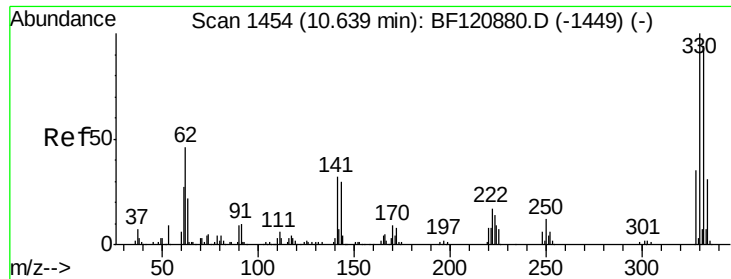
Delta R.T. -0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion:	164	Resp:	264644
Ion Ratio	Lower	Upper	
164	100		
162	101.8	82.2	123.2
160	46.2	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 41.149 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

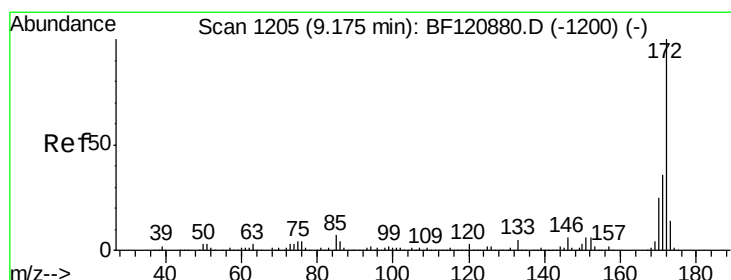
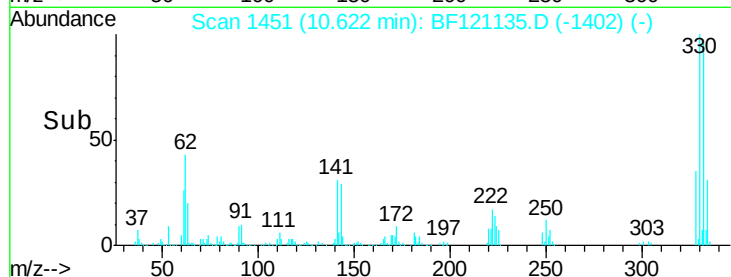
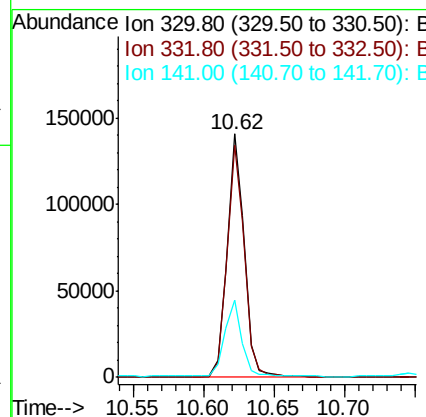
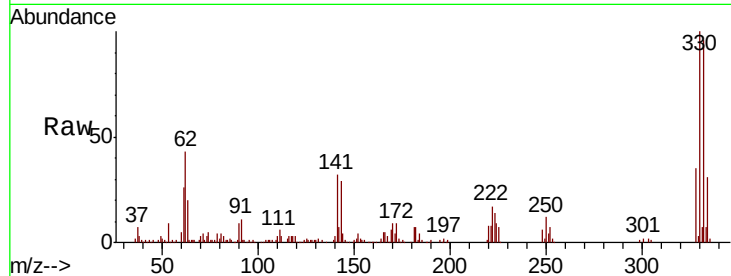
ClientSampleId :

OK-02-072820

Tot Ion:	330	Resp:	119201
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.1	114.1
141	31.6	24.1	36.1

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#45

2-Fluorobiphenyl

Concen: 31.422 ng

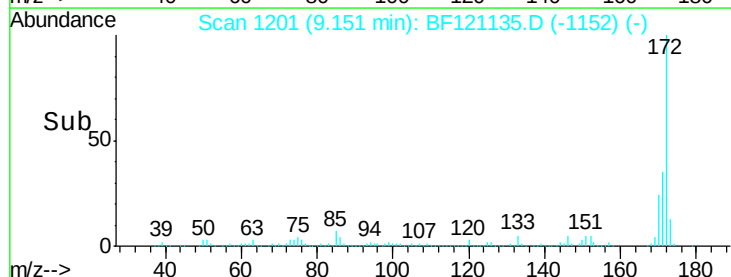
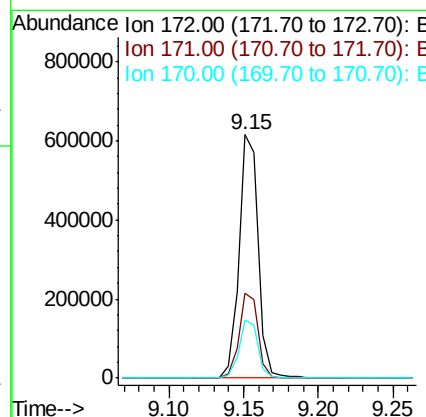
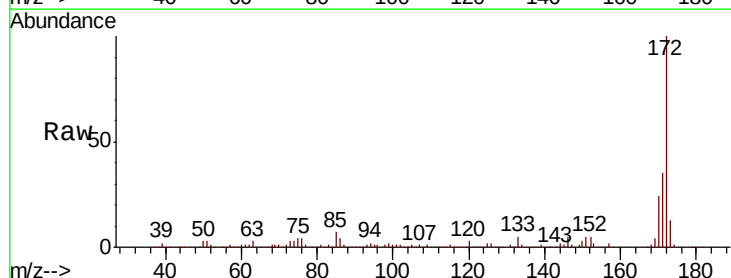
RT: 9.15 min Scan# 1201

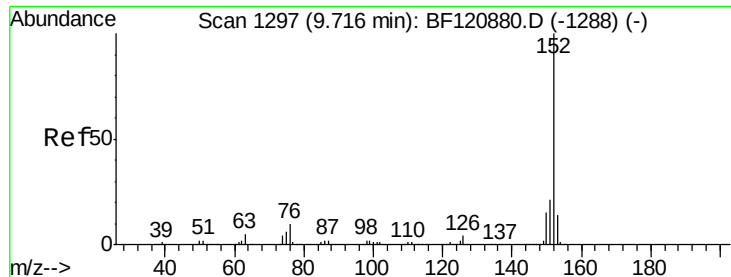
Delta R.T. -0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion:	172	Resp:	556951
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.0	43.4
170	23.6	19.6	29.4





#49

Acenaphthylene

Concen: 4.719 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

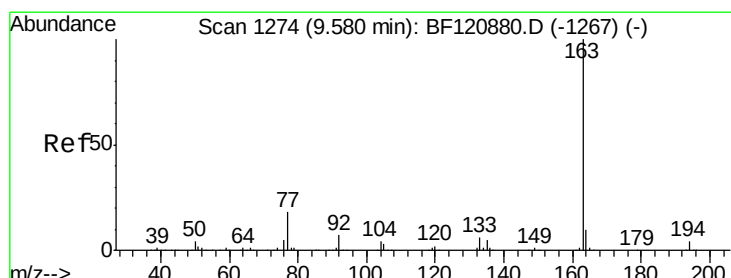
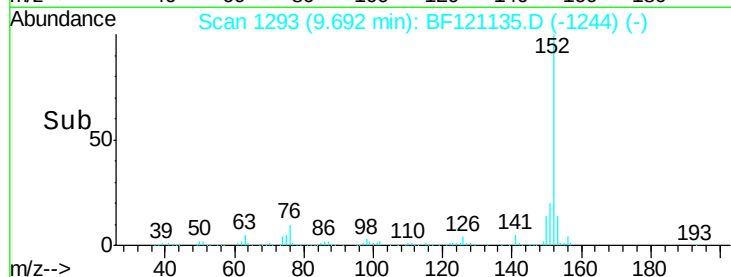
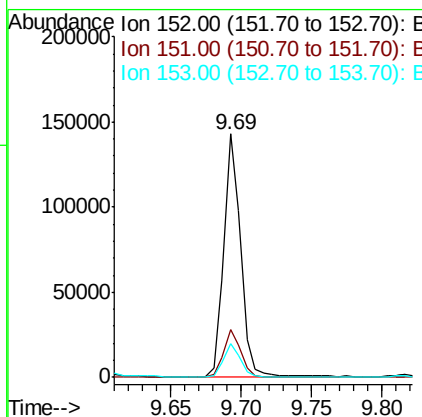
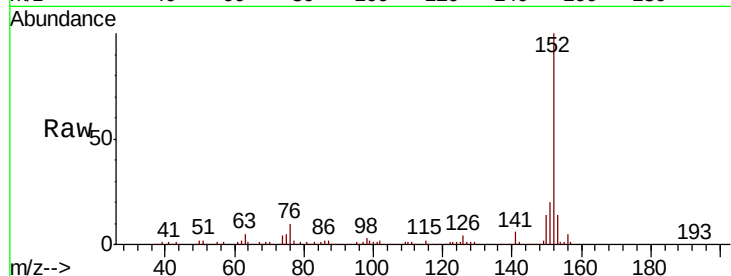
ClientSampleId :

OK-02-072820

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	13.9	11.0	16.4

Manual Integrations
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#50

Dimethylphthalate

Concen: 5.158 ng

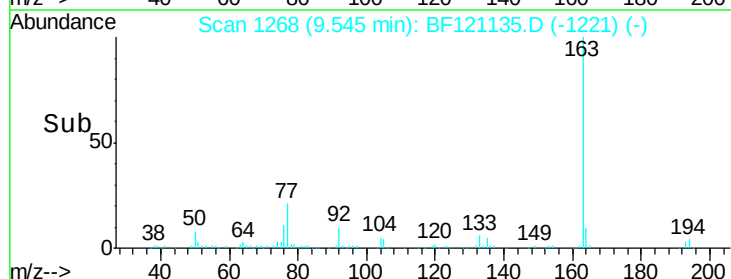
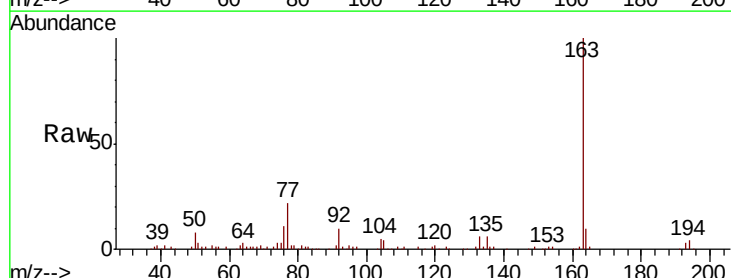
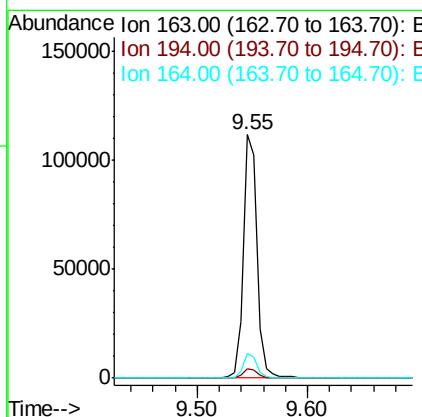
RT: 9.55 min Scan# 1268

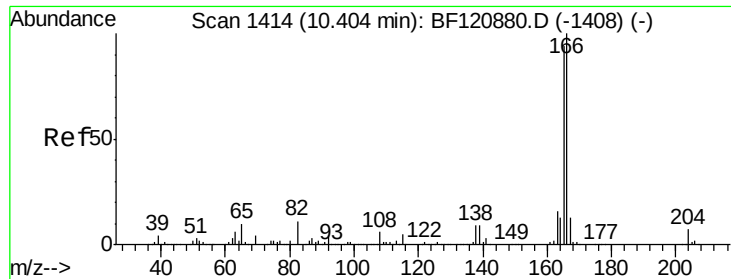
Delta R.T. -0.02 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	8.4	12.6





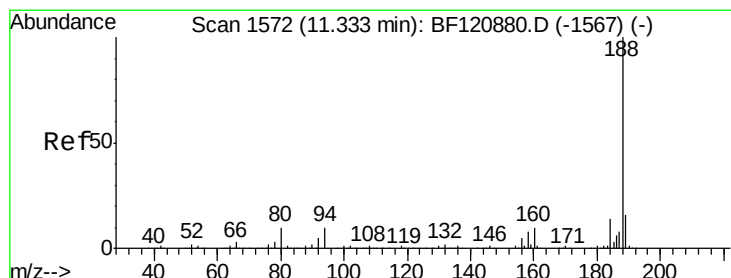
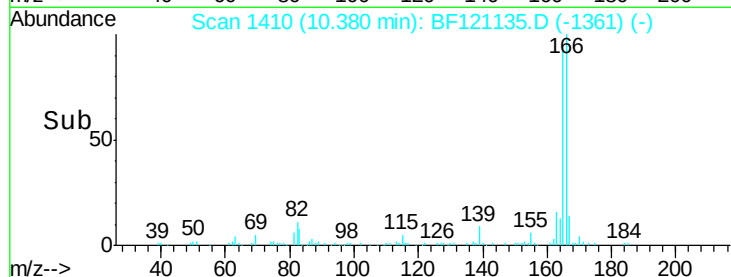
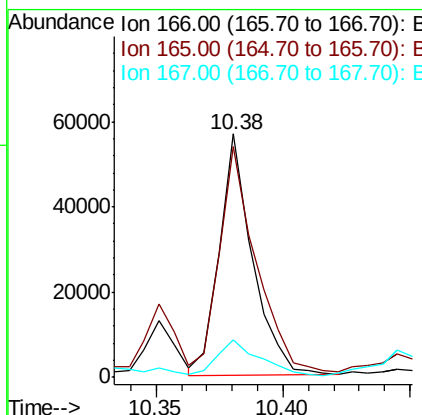
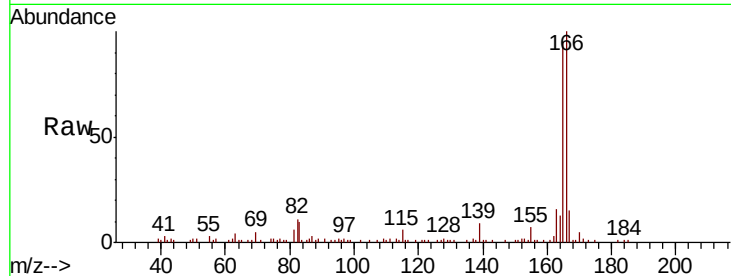
#58
 Fluorene
 Concen: 2.941 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF121135.D
 Acq: 30 Jul 2020 18:45

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.6	76.4	114.6
167	15.2	10.7	16.1

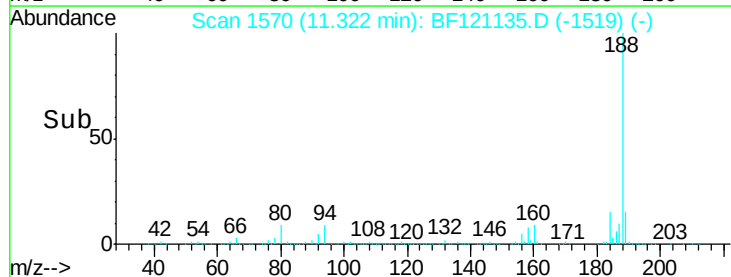
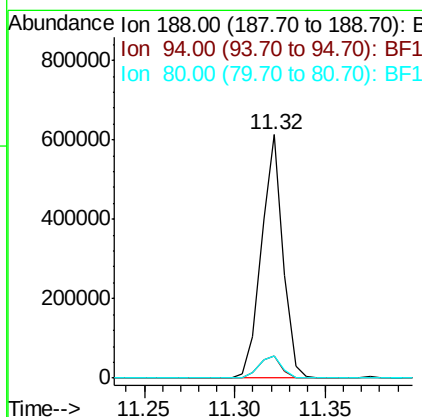
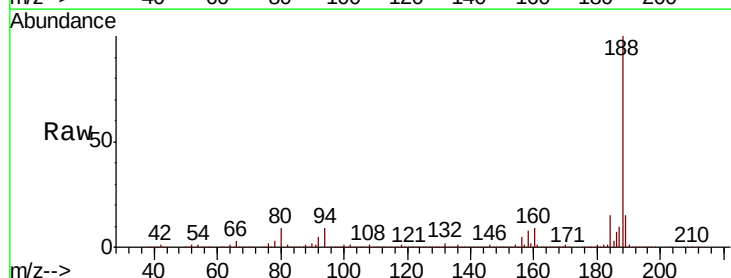
Manual Integrations
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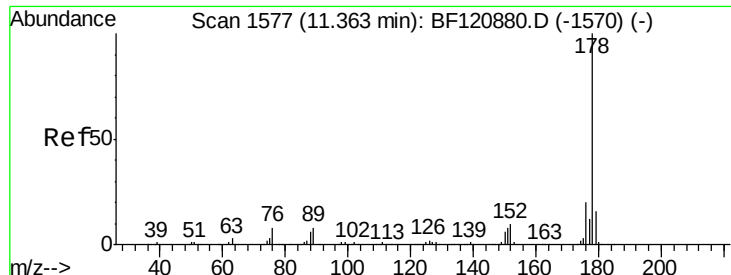
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF121135.D
 Acq: 30 Jul 2020 18:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	9.3	8.3	12.5





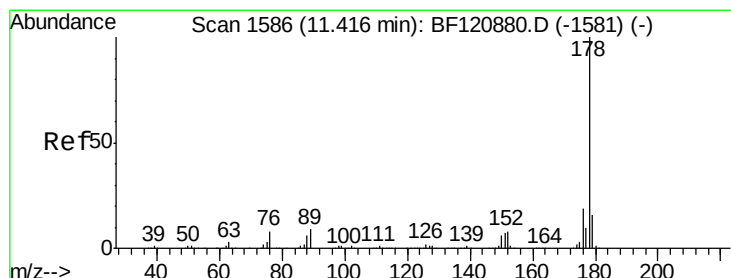
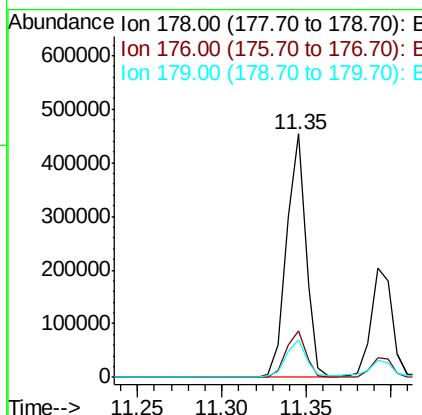
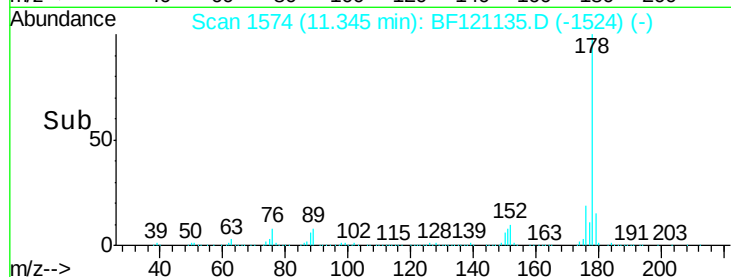
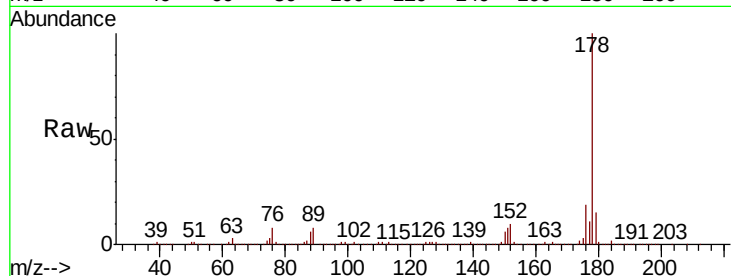
#71
Phenanthrene
Concen: 13.772 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.2
179	15.4	12.6	19.0

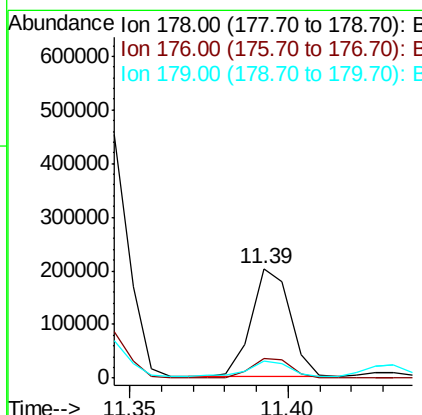
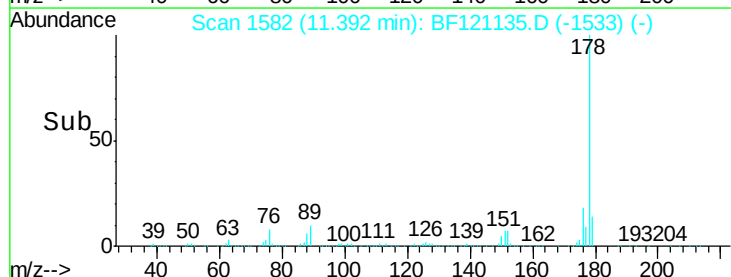
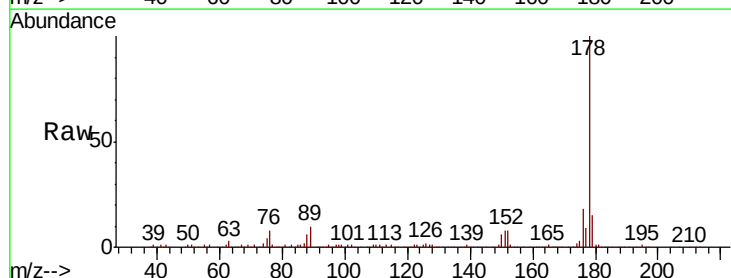
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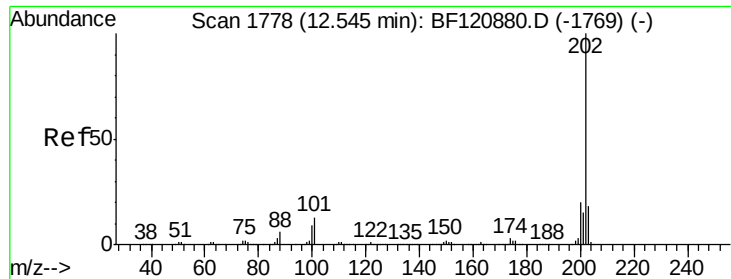
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#72
Anthracene
Concen: 6.650 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.2	12.6	19.0





#75

Fluoranthene

Concen: 41.213 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

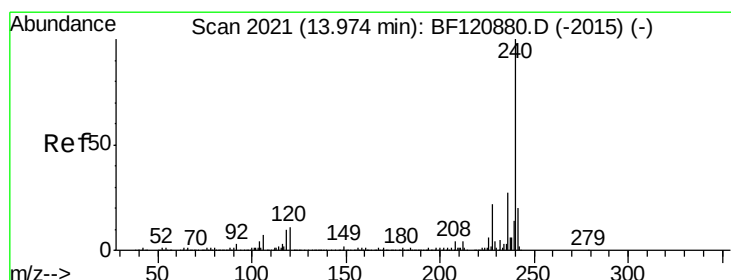
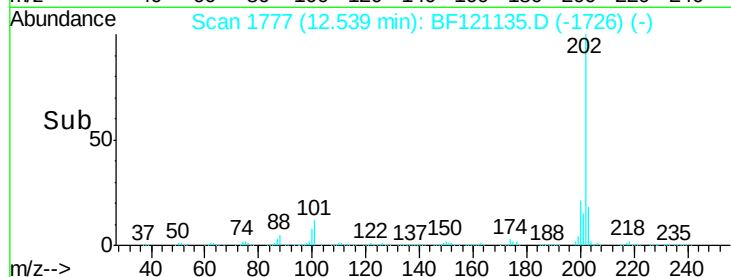
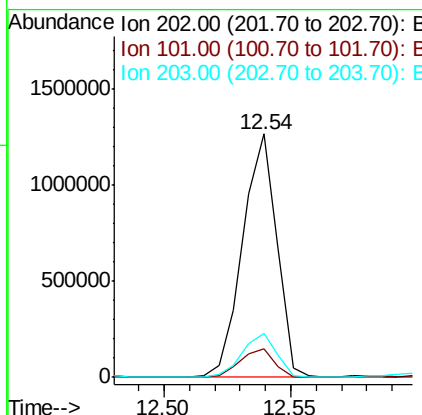
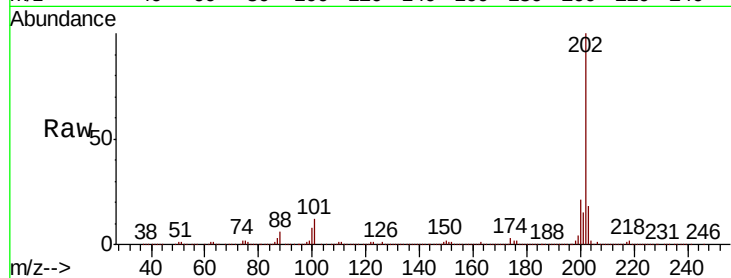
ClientSampleId :

OK-02-072820

Tot Ion:	202	Resp:	1182627
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.5
203	18.3	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

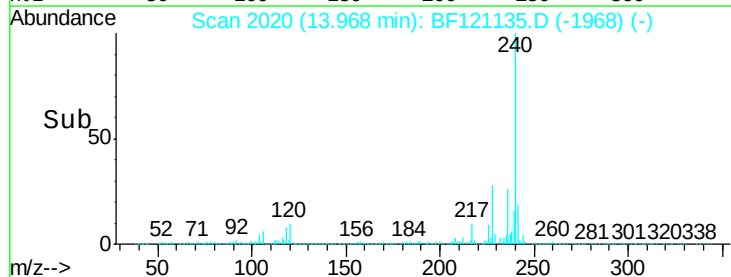
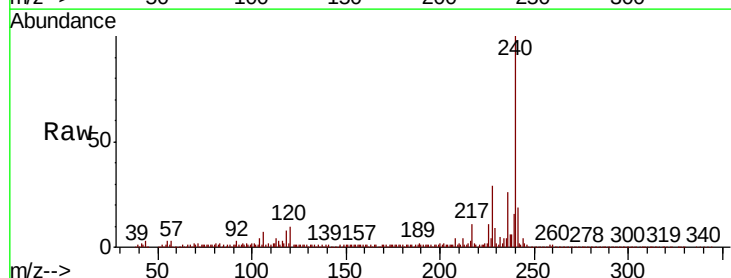
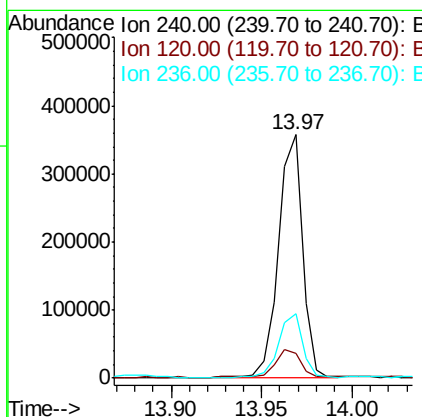
RT: 13.97 min Scan# 2020

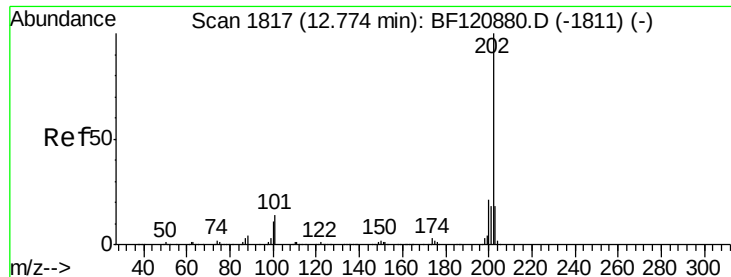
Delta R.T. 0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion:	240	Resp:	327423
Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.3	13.9
236	26.2	21.1	31.7





#78

Pvrene

Concen: 55.781 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

ClientSampleId :

OK-02-072820

Tot Ion:202 Resp: 1291279

Ion Ratio Lower Upper

202 100

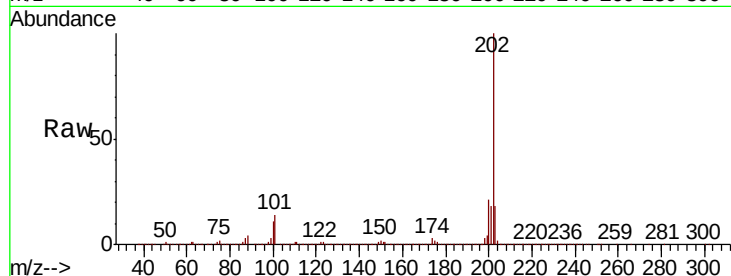
200 21.0 17.0 25.6

203 18.2 14.6 21.8

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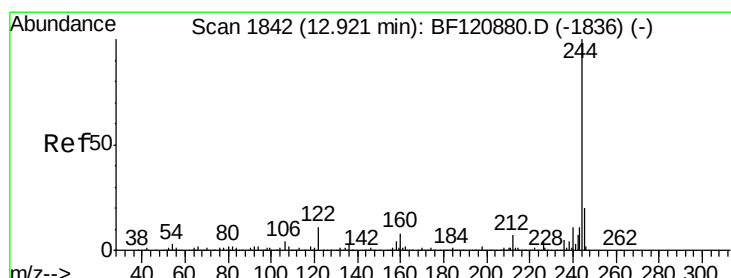
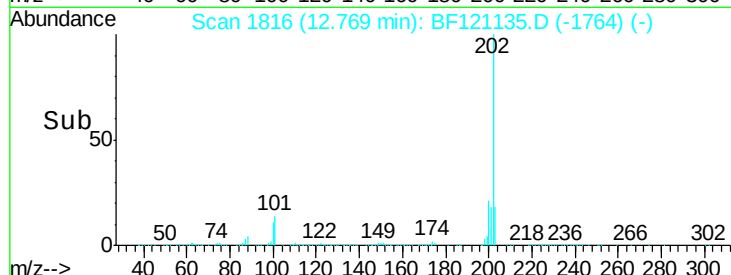
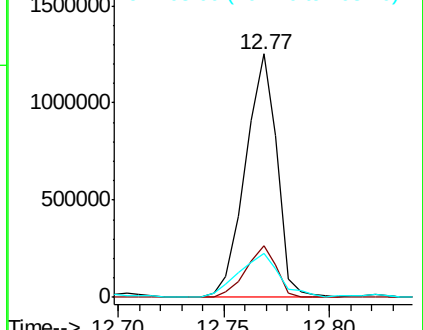


Abundance

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: 36.083 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

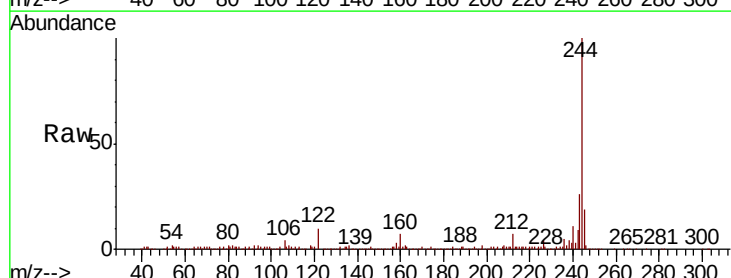
Tgt Ion:244 Resp: 543489

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.4 8.3 12.5

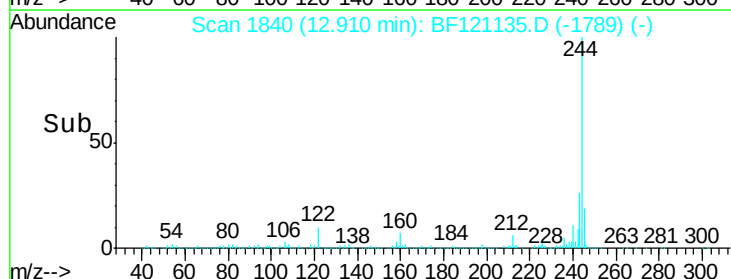
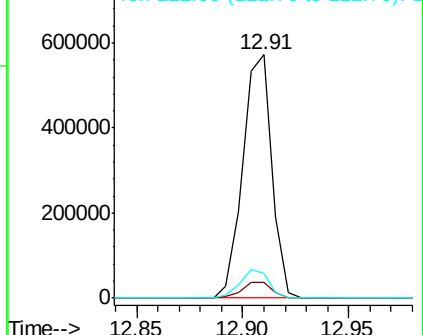


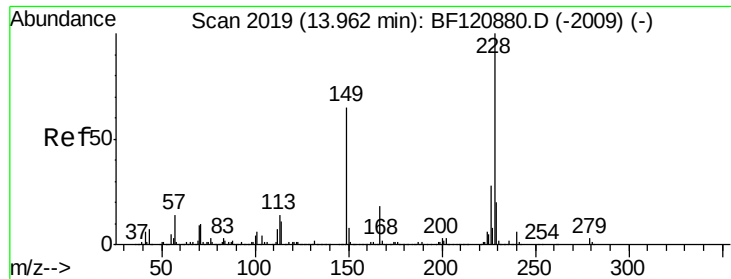
Abundance

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: 33.176 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

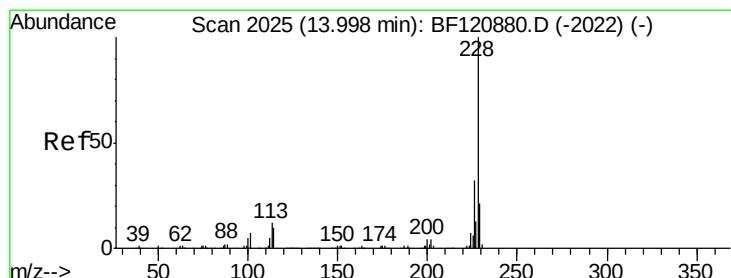
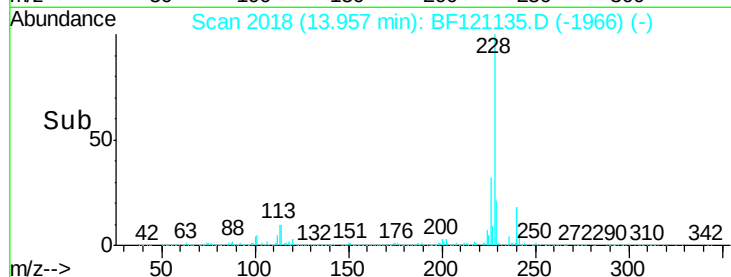
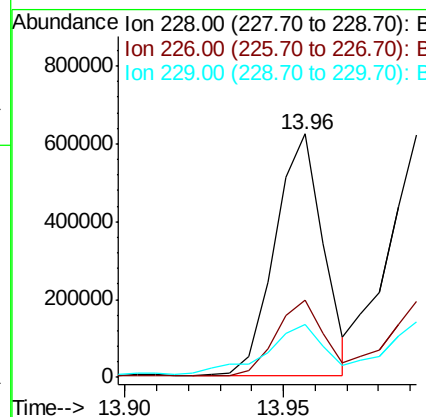
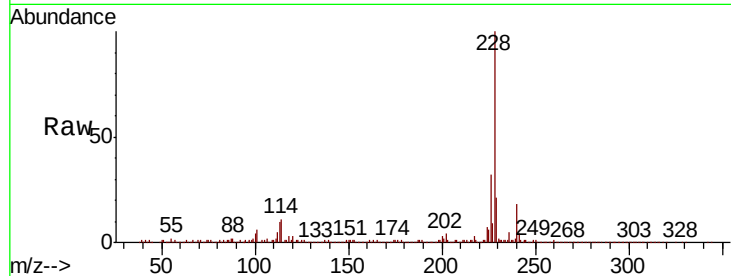
ClientSampleId :

OK-02-072820

Tot Ion:	228	Resp:	657785
Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	34.0
229	21.5	16.1	24.1

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#83

Chrysene

Concen: 28.982 ng

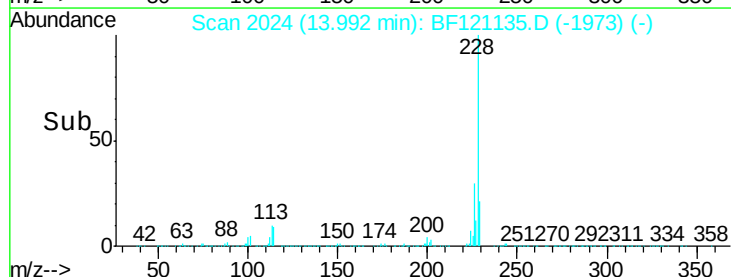
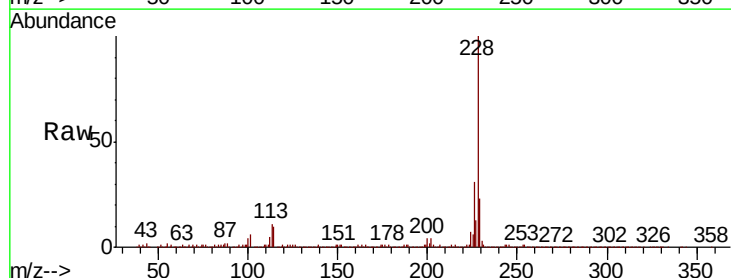
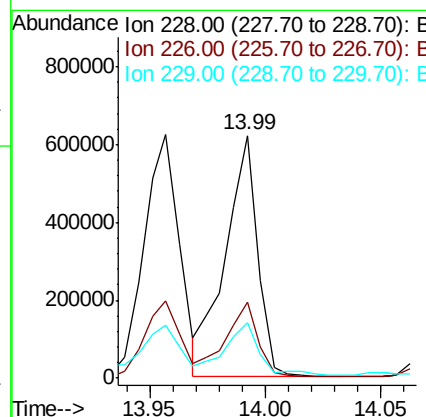
RT: 13.99 min Scan# 2024

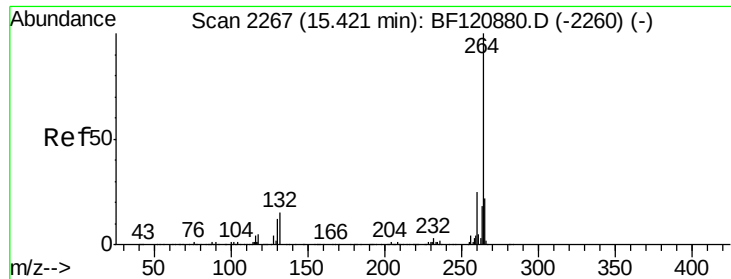
Delta R.T. 0.00 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion:	228	Resp:	603884
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	22.7	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.02 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Instrument :

BNA_F

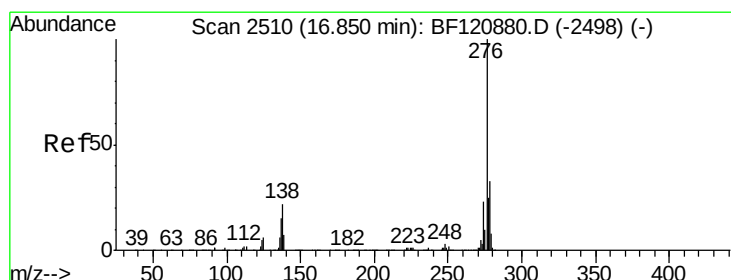
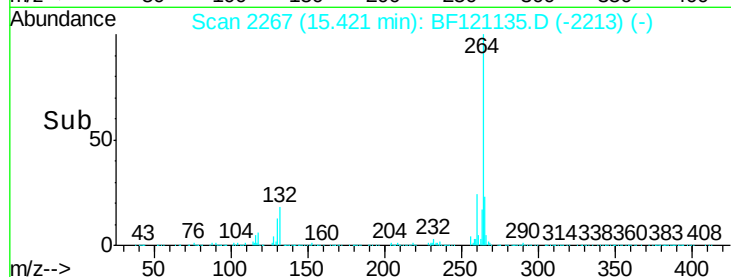
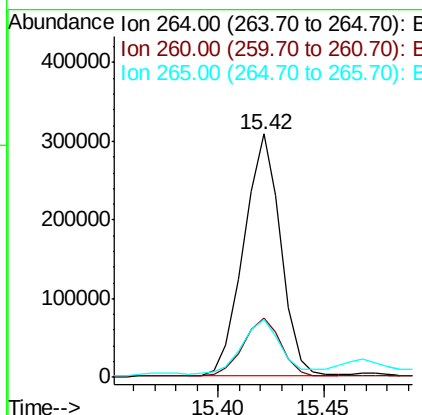
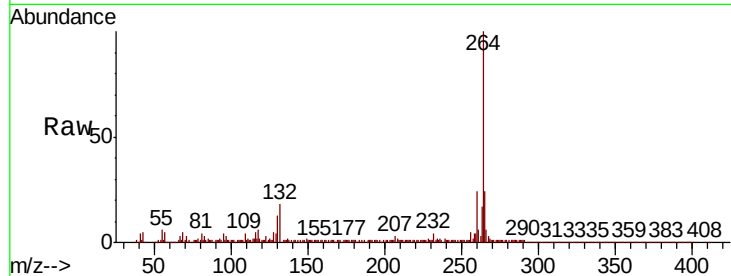
ClientSampleId :

OK-02-072820

Tot Ion:	264	Resp:	372067
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.9	29.9
265	24.1	17.8	26.8

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#87

Indeno(1,2,3-cd)pyrene

Concen: 14.110 ng

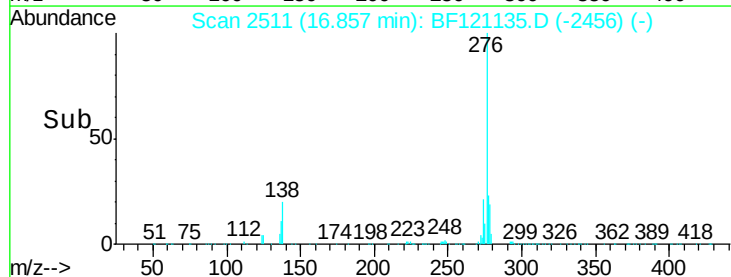
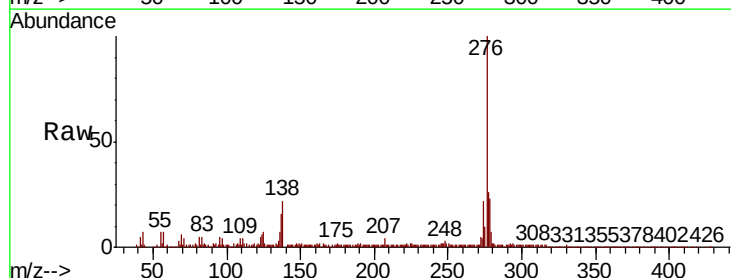
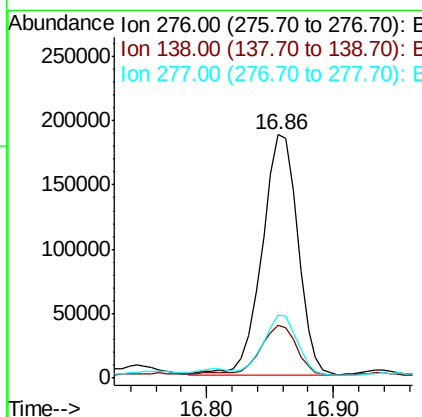
RT: 16.86 min Scan# 2511

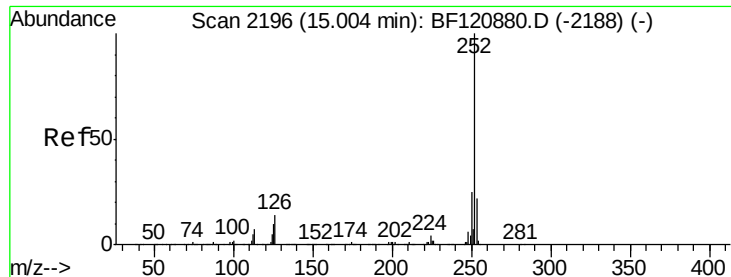
Delta R.T. 0.02 min

Lab File: BF121135.D

Acq: 30 Jul 2020 18:45

Tgt Ion:	276	Resp:	365109
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.3	28.9
277	24.3	20.1	30.1





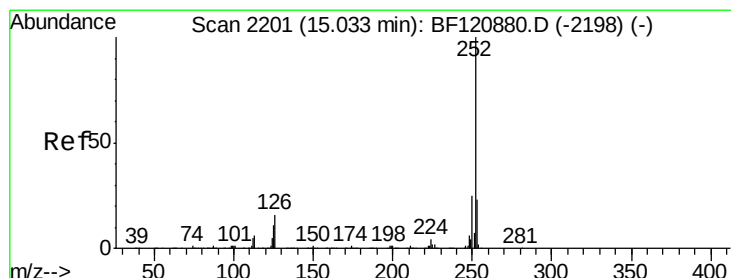
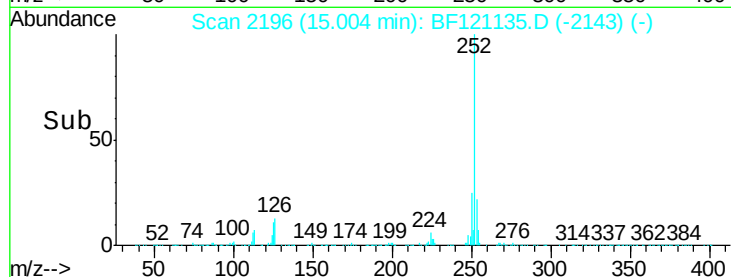
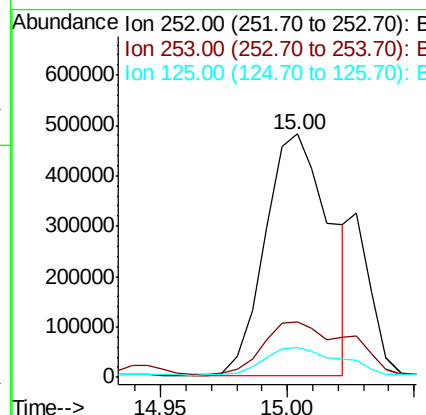
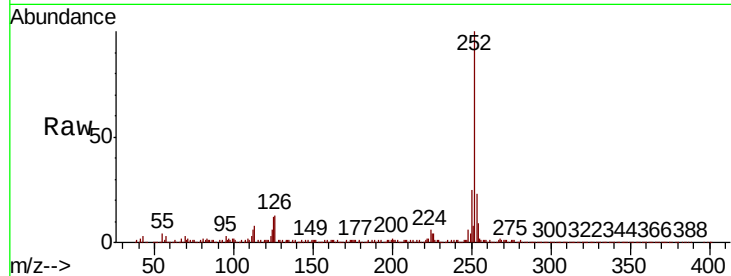
#88
Benzo(b)fluoranthene
Concen: 37.947 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.4	8.1	12.1

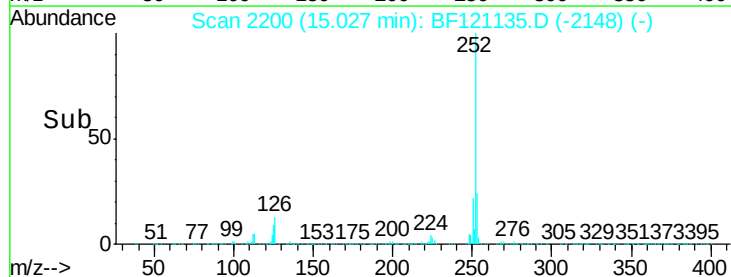
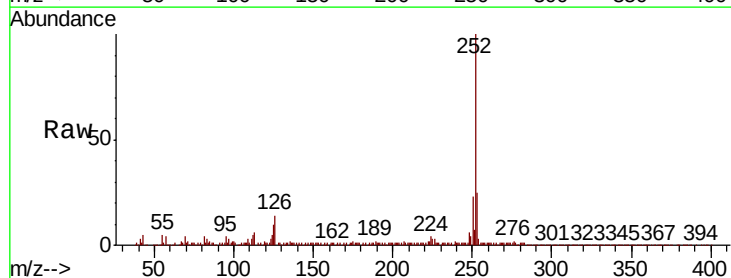
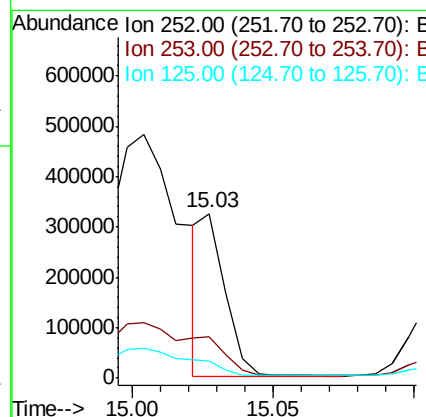
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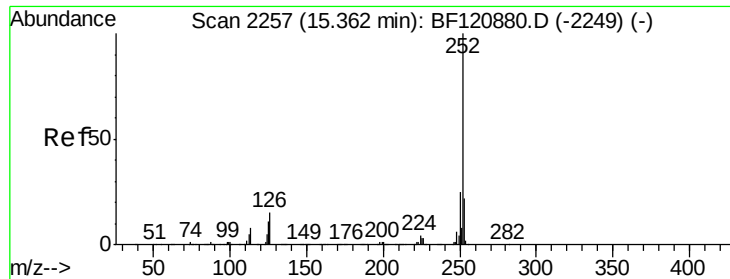
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#89
Benzo(k)fluoranthene
Concen: 9.134 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	10.4	8.0	12.0





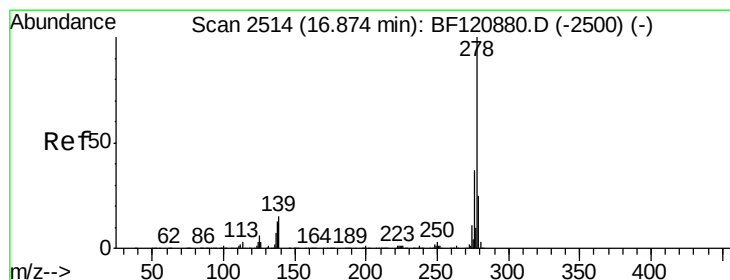
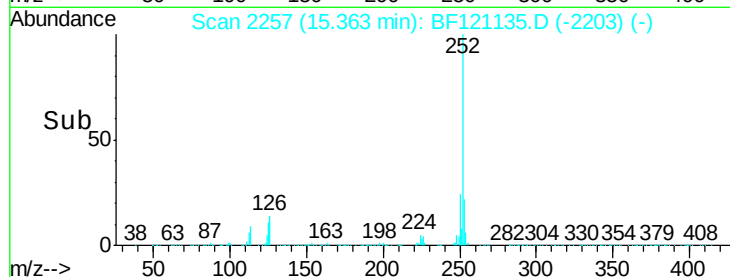
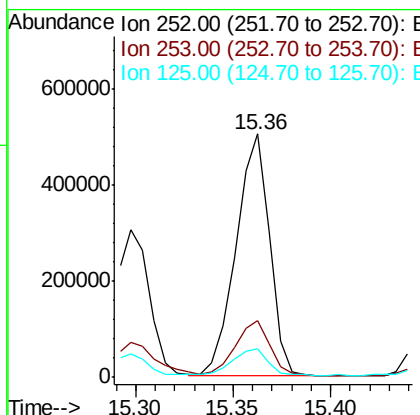
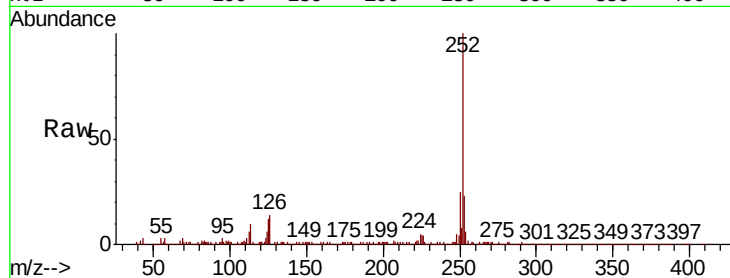
#90
Benzo(a)pyrene
Concen: 29.323 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.7	9.5	14.3

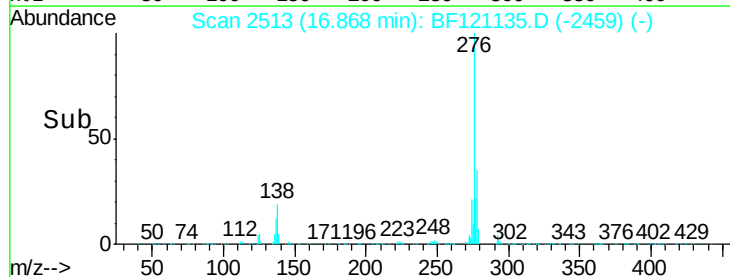
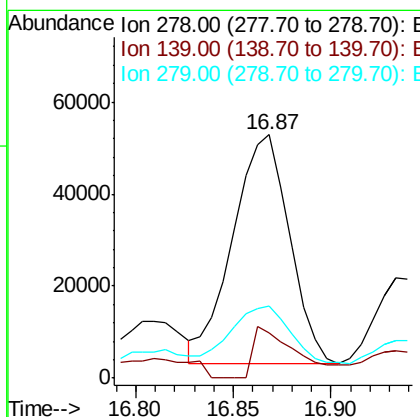
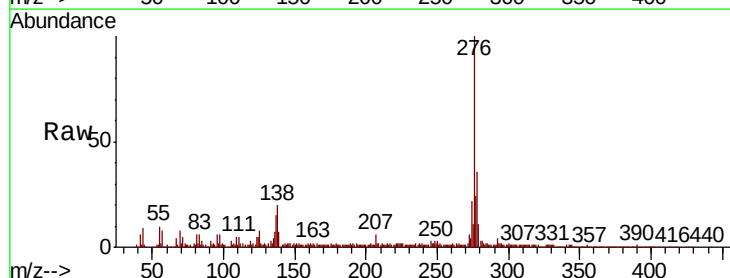
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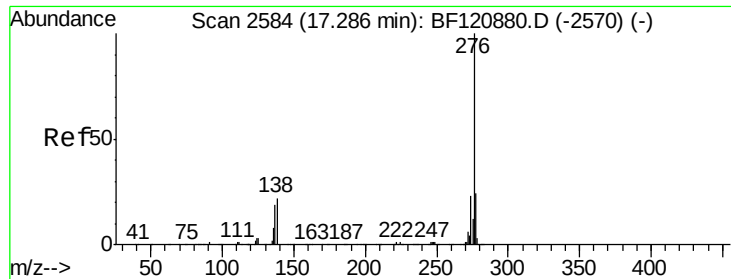
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#91
Dibenzo(a,h)anthracene
Concen: 4.716 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.02 min
Lab File: BF121135.D
Acq: 30 Jul 2020 18:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	12.6	18.8
279	29.5	19.5	29.3#





#92
 Benzo(a,h,i)perylene
 Concen: 15.842 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.04 min
 Lab File: BF121135.D
 Acq: 30 Jul 2020 18:45

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	21.7	17.2	25.8

Manual Integrations
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