

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121121.D
 Acq On : 30 Jul 2020 1:04
 Operator : JU/CG
 Sample : L3436-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4

Manual Integrations
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Quant Time: Jul 30 09:07:01 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	6.81	152	174079	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	626339	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	292768	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	517336	20.00	ng	0.01
76) Chrysene-d12	13.97	240	446366	20.00	ng	0.01
86) Perylene-d12	15.43	264	344291	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	135186	12.73	ng	0.00
7) Phenol-d6	6.45	99	161741	11.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	84842	7.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	34670	10.82	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	192360	9.81	ng	0.00
79) Terphenyl-d14	12.92	244	186325	9.07	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.70	152	65110	2.302	ng	98
58) Fluorene	10.39	166	48713	2.512	ng	98
71) Phenanthrene	11.36	178	370404	13.921	ng	99
72) Anthracene	11.40	178	134476	5.033	ng	98
75) Fluoranthene	12.55	202	639561	21.686	ng	98
78) Pyrene	12.77	202	642695	20.365	ng	99
81) Benzo(a)anthracene	13.96	228	306429	11.337	ng	94
83) Chrysene	14.00	228	255420	8.992	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	98454	4.112	ng	98
88) Benzo(b)fluoranthene	15.00	252	259035m	12.447	ng	
89) Benzo(k)fluoranthene	15.03	252	83466m	4.398	ng	
90) Benzo(a)pyrene	15.36	252	181731	9.571	ng	# 96
92) Benzo(a,h,i)perylene	17.29	276	93645	4.856	ng	95

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

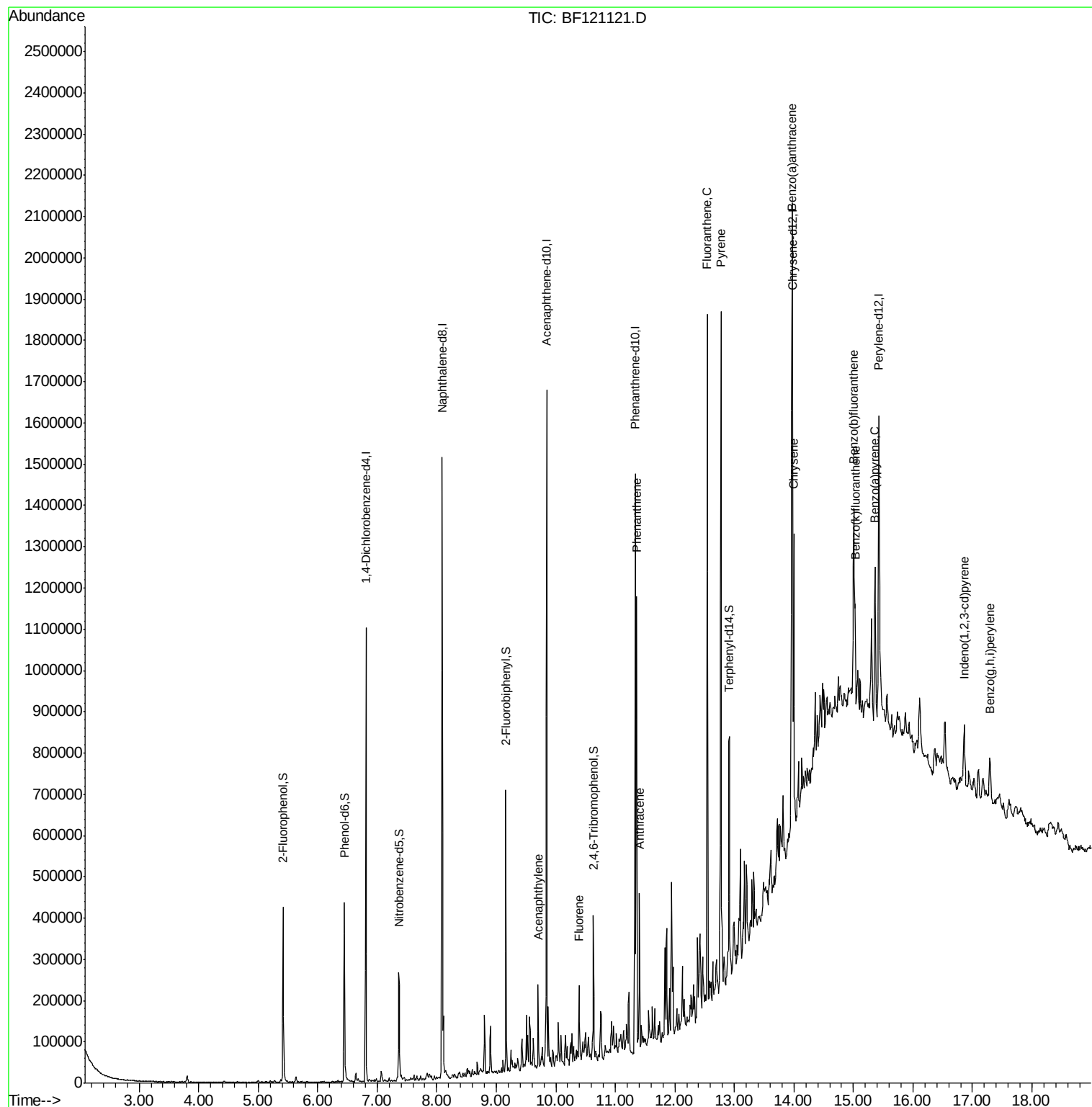
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121121.D
Acq On : 30 Jul 2020 1:04
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Misc :
ALS Vial : 21 Sample Multiplier: 1

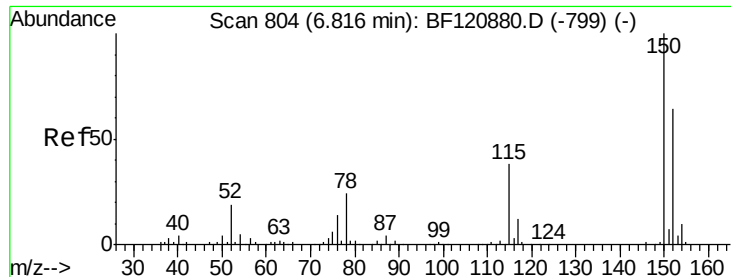
Instrument :
BNA_F
ClientSampled :
4

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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

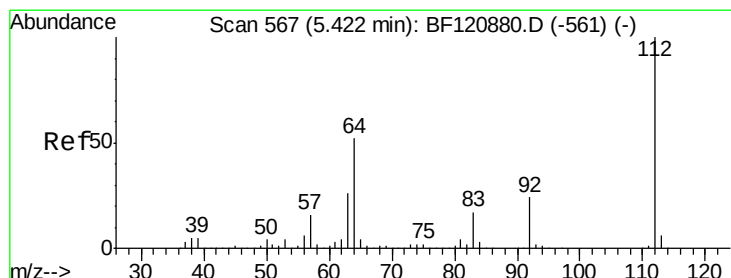
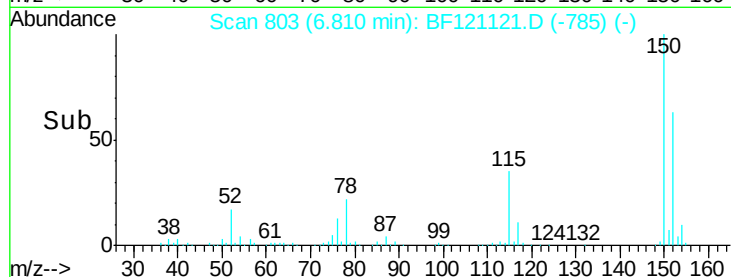
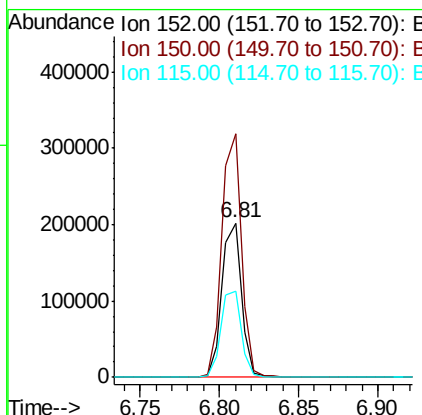
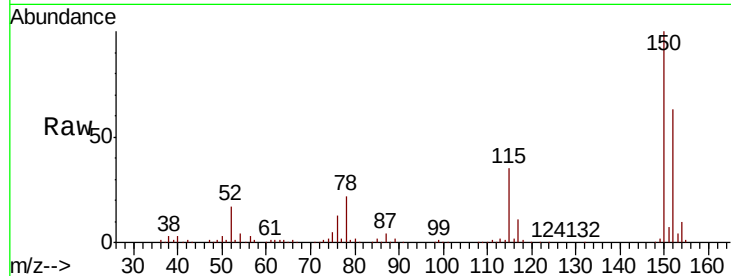
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Instrument :
BNA_F
ClientSampled :
4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.6	188.4
115	55.5	46.2	69.2

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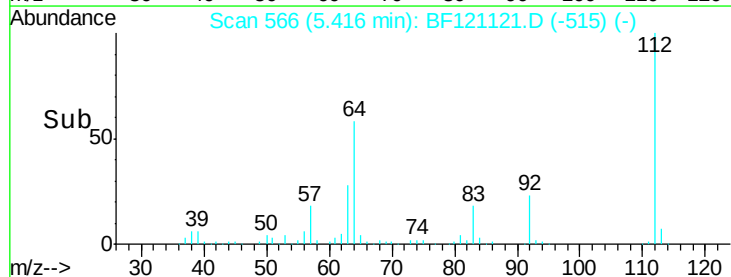
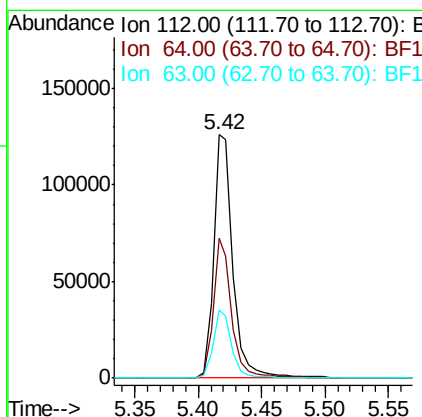
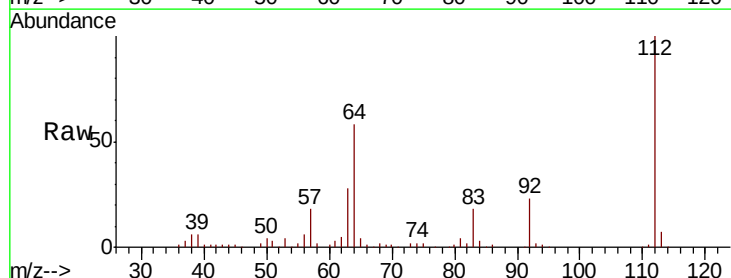
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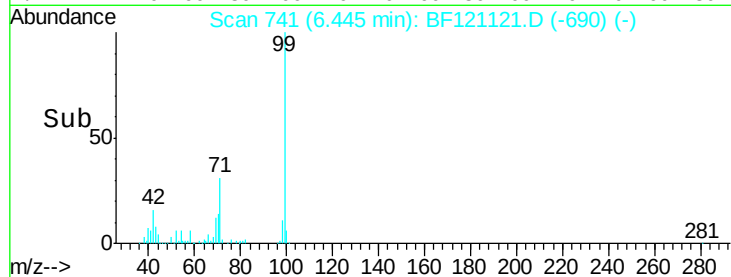
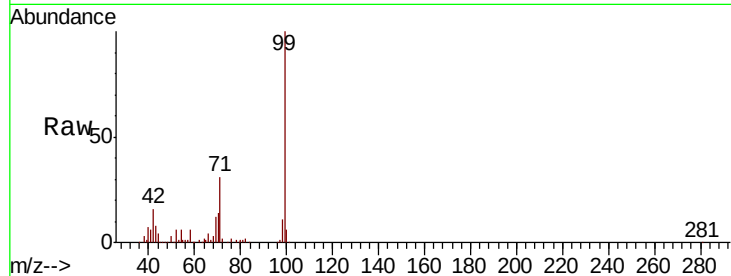
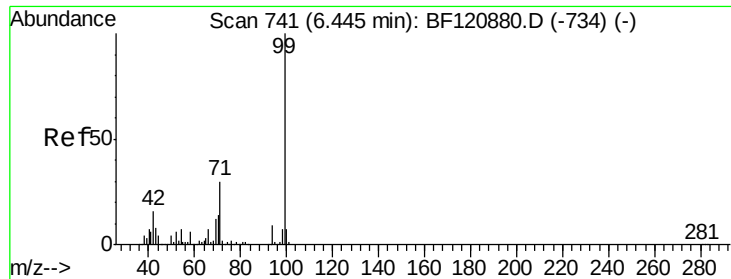


#5

2-Fluorophenol
Concen: 12.731 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	43.9	65.9
63	27.8	22.7	34.1





#7

Phenol-d6

Concen: 11.792 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121121.D

Acq: 30 Jul 2020 1:04

Tot Ion:	99	Resp:	161741
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	30.6	25.0	37.4

Instrument :

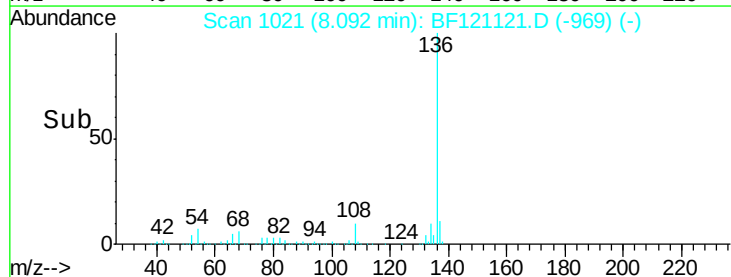
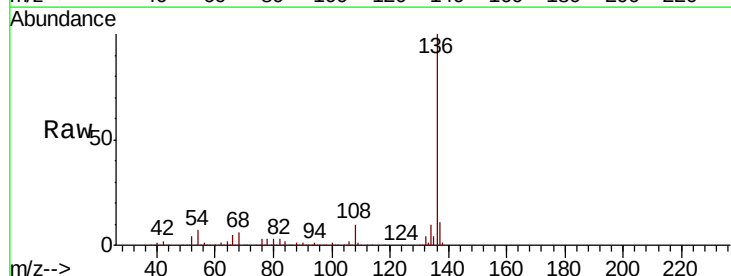
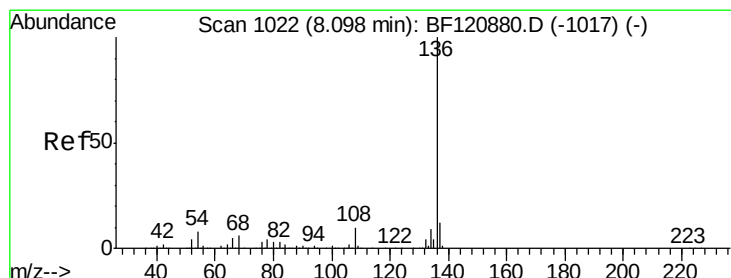
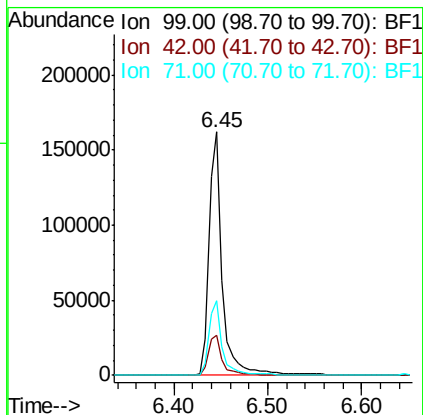
BNA_F

ClientSampled :

4

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#21

Naphthalene-d8

Concen: 20.000 ng

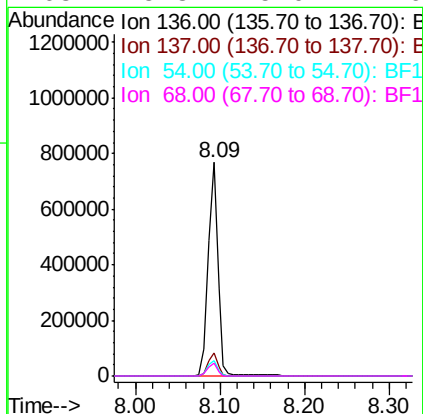
RT: 8.09 min Scan# 1021

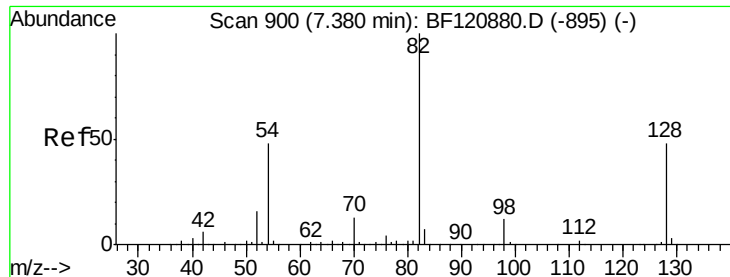
Delta R.T. 0.01 min

Lab File: BF121121.D

Acq: 30 Jul 2020 1:04

Tgt Ion:	136	Resp:	626339
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.1	6.1	9.1
68	5.8	5.0	7.6





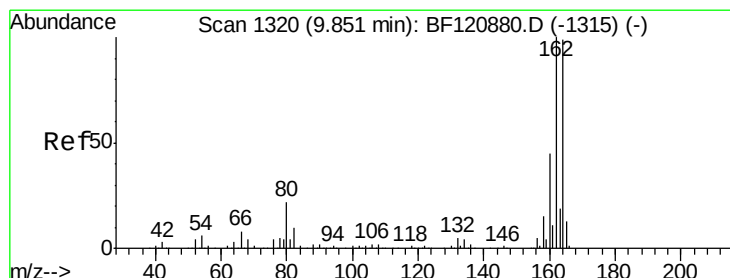
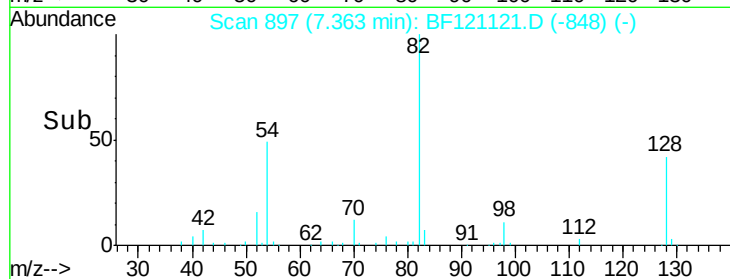
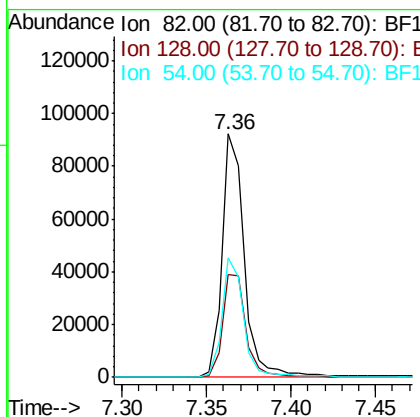
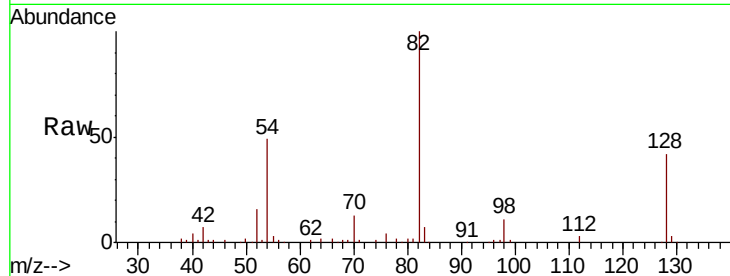
#23
Nitrobenzene-d5
Concen: 7.838 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Instrument :
BNA_F
ClientSampleId :
4

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	39.2	58.8
54	49.3	37.8	56.8

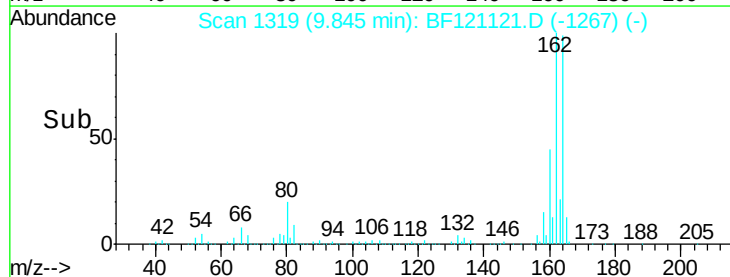
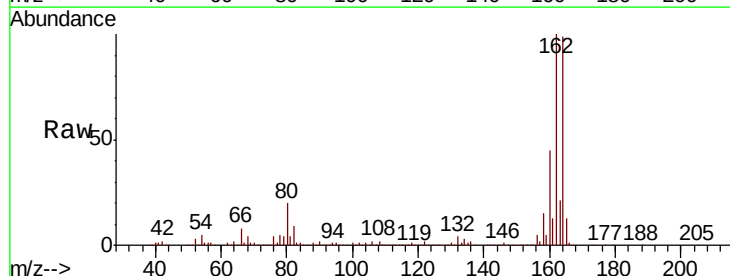
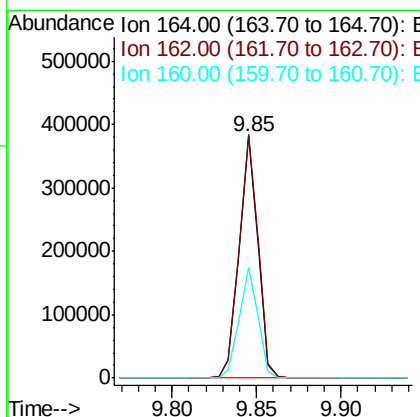
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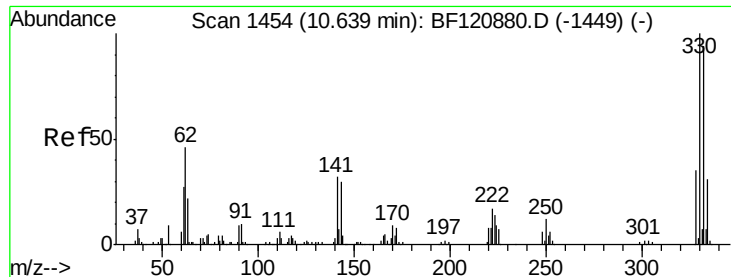
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	45.6	37.2	55.8





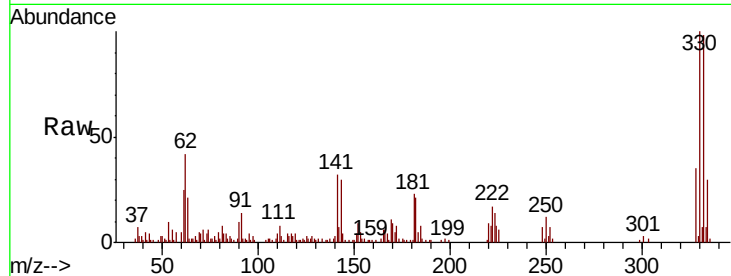
#42
 2,4,6-Tribromophenol
 Concen: 10.819 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

Instrument :
 BNA_F
 ClientSampled :
 4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	34670		
332	96.5	76.1	114.1	
141	33.6	24.1	36.1	

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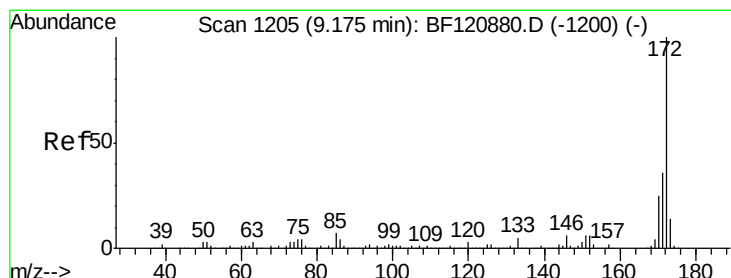
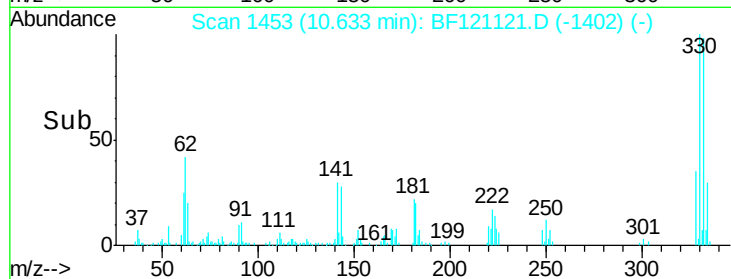
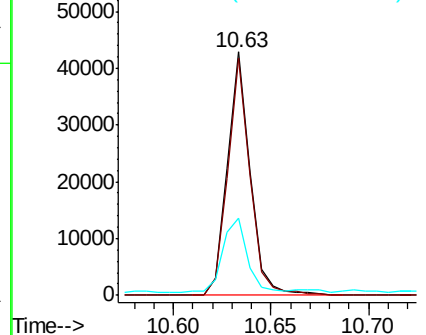


Abundance

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: 9.810 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

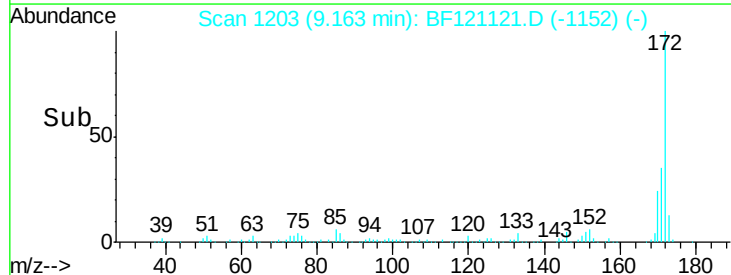
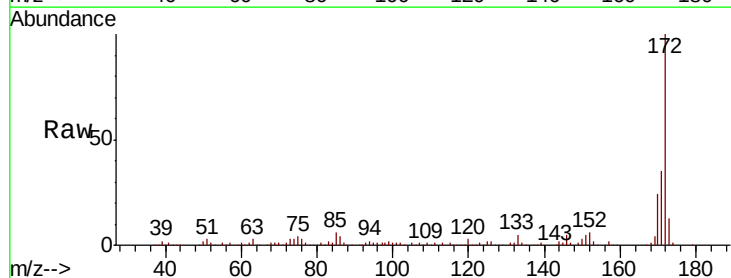
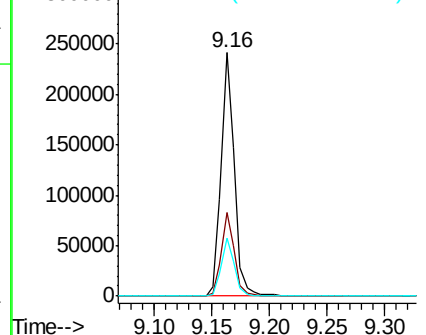
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	192360		
171	34.6	29.0	43.4	
170	23.6	19.6	29.4	

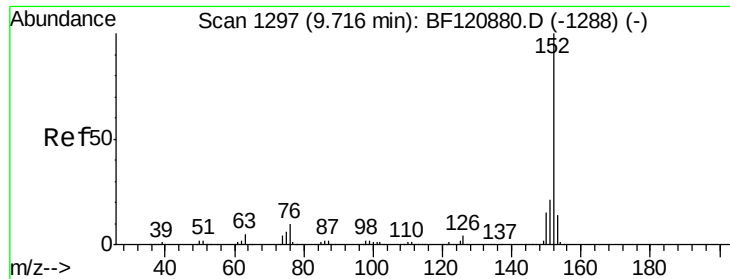
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.302 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF121121.D

Acq: 30 Jul 2020 1:04

Instrument :

BNA_F

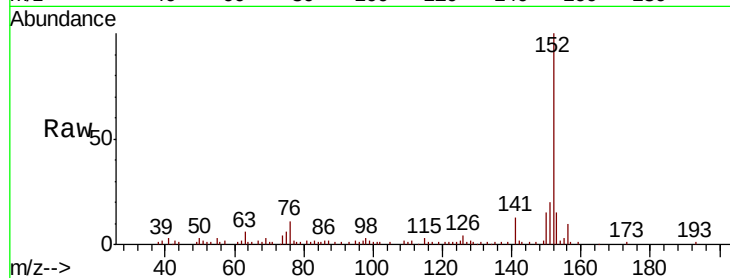
ClientSampled :

4

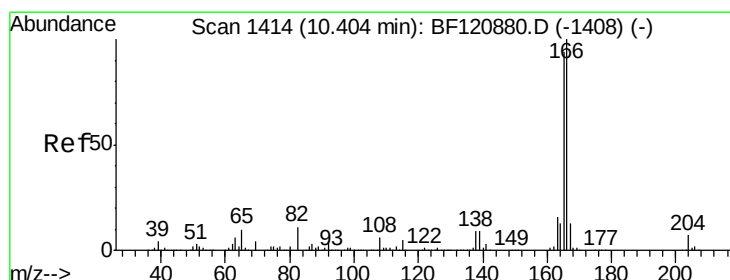
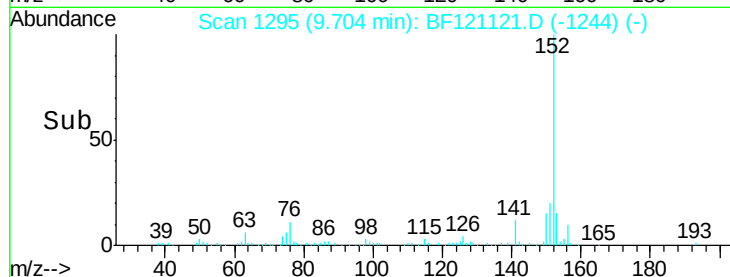
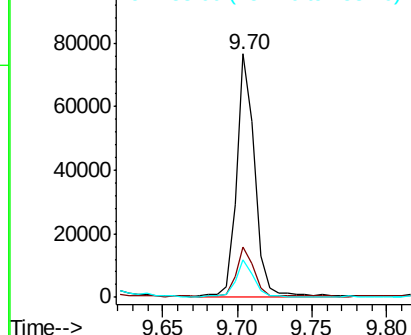
Tot Ion:	152	Resp:	65110
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.6	25.0
153	15.2	11.0	16.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#58

Fluorene

Concen: 2.512 ng

RT: 10.39 min Scan# 1412

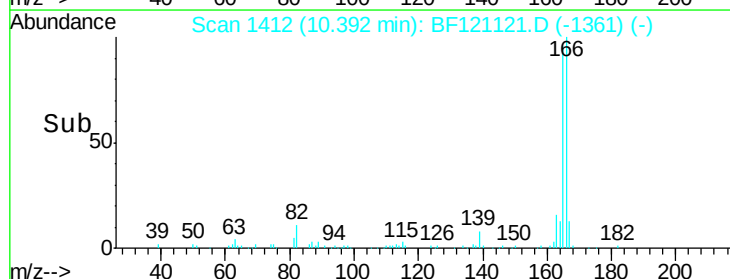
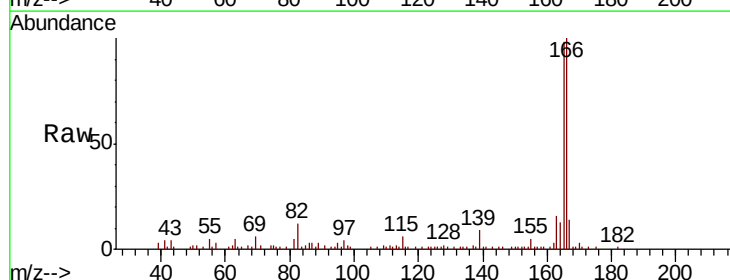
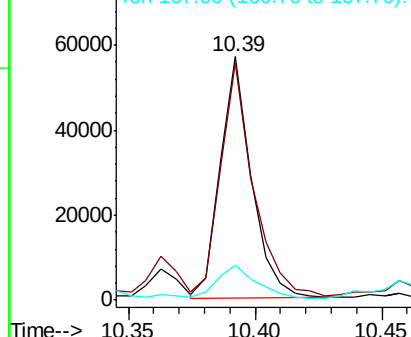
Delta R.T. 0.00 min

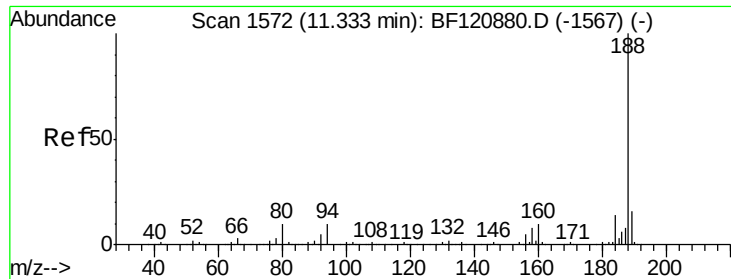
Lab File: BF121121.D

Acq: 30 Jul 2020 1:04

Tgt Ion:	166	Resp:	48713
Ion Ratio	Lower	Upper	
166	100		
165	97.6	76.4	114.6
167	14.2	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





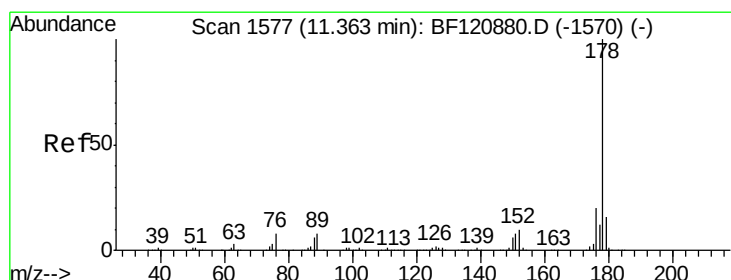
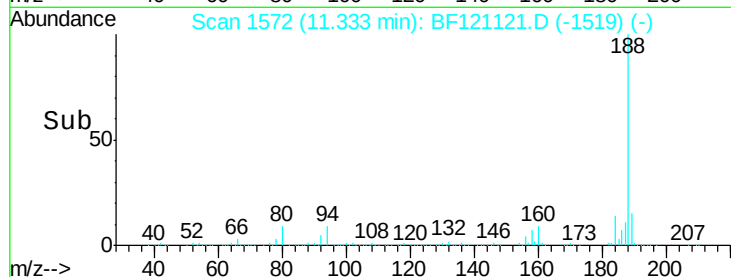
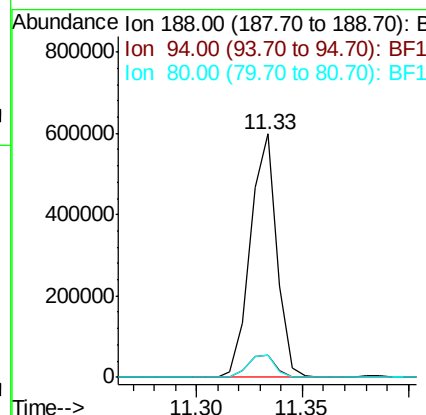
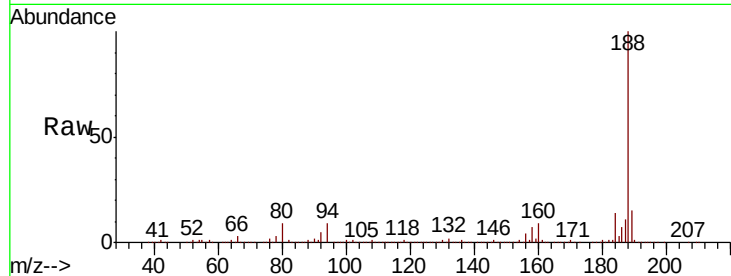
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Instrument :
BNA_F
ClientSampled :
4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.2	8.3	12.5

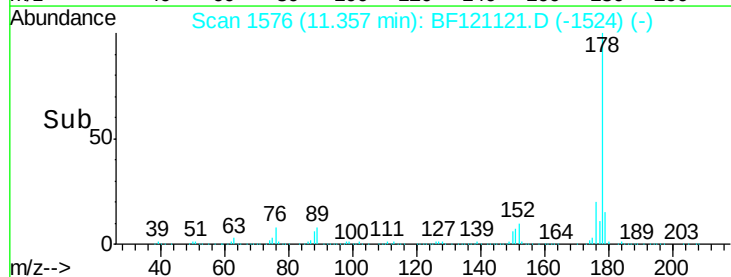
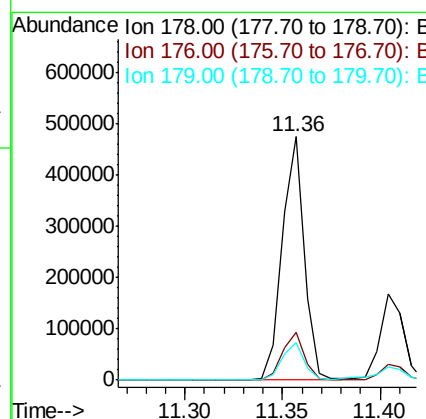
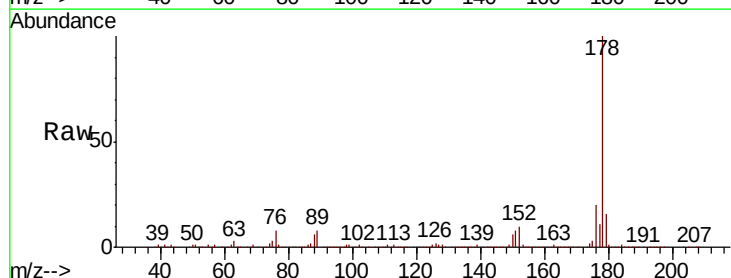
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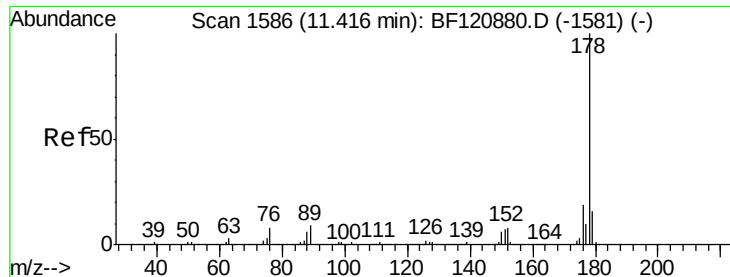
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#71
Phenanthrene
Concen: 13.921 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	16.2	24.2
179	15.6	12.6	19.0





#72

Anthracene

Concen: 5.033 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF121121.D

Acq: 30 Jul 2020 1:04

Instrument :

BNA_F

ClientSampleId :

4

Tot Ion:178 Resp: 134476

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

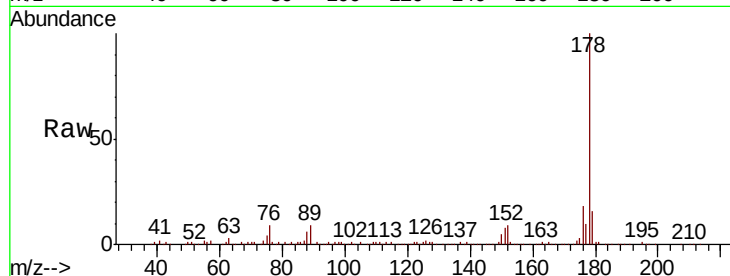
179 15.9 12.6 19.0

Manual Integrations

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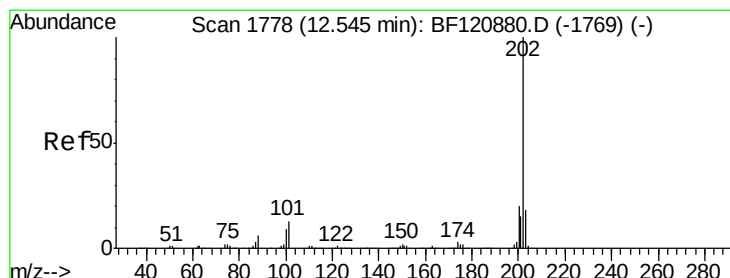
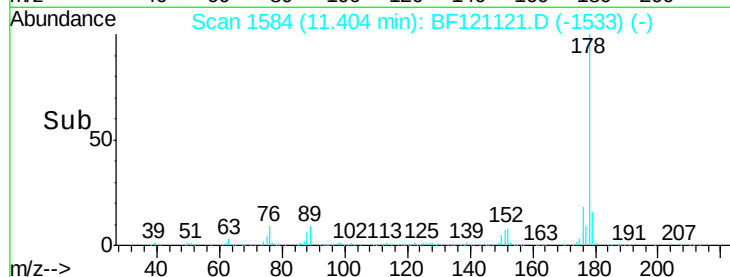
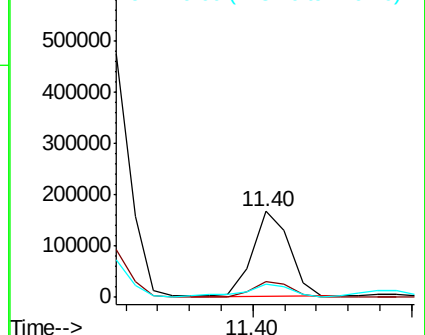
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 21.686 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF121121.D

Acq: 30 Jul 2020 1:04

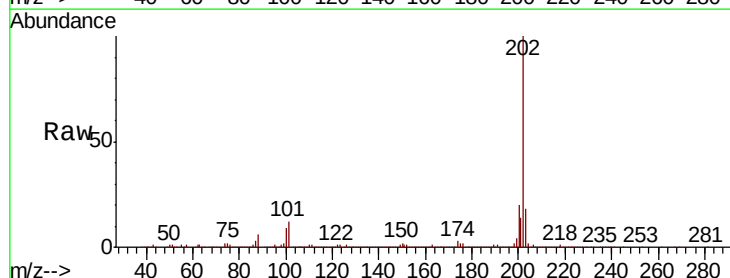
Tgt Ion:202 Resp: 639561

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

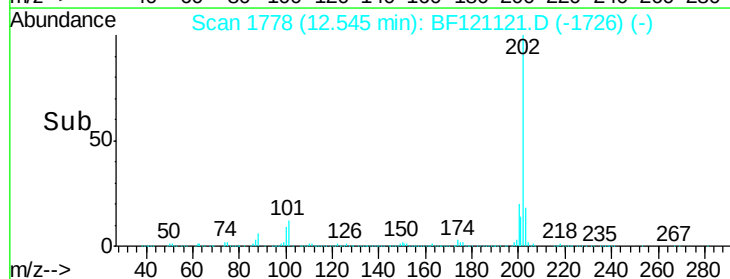
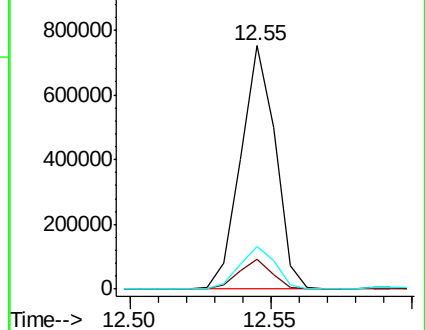
203 17.8 0.0 37.7

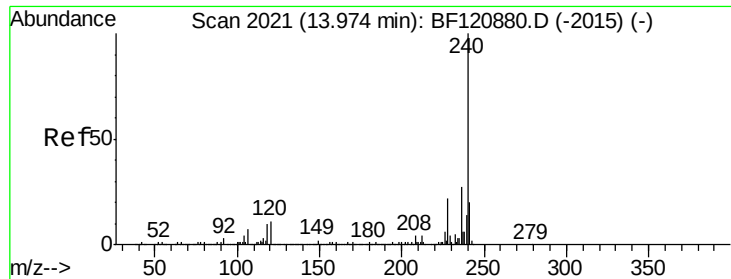


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





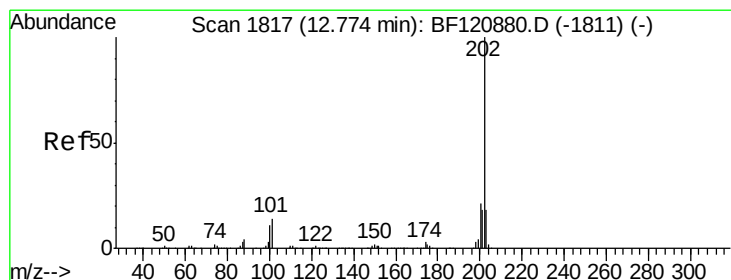
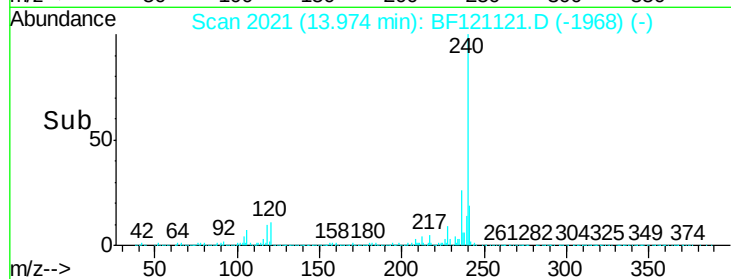
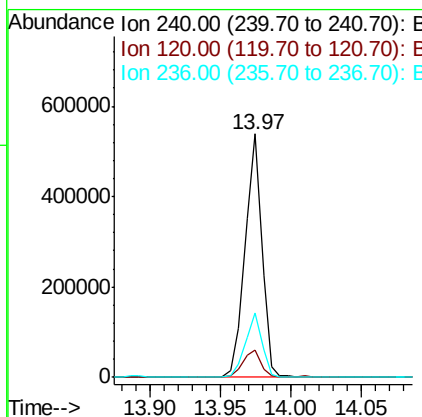
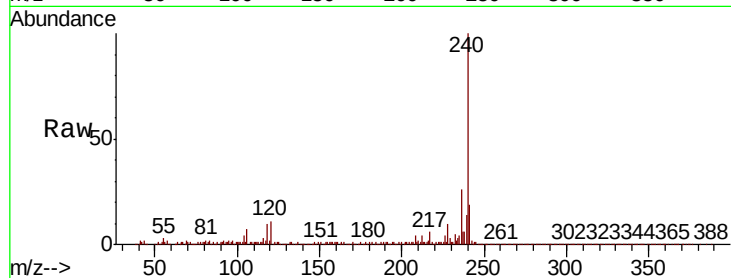
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Instrument :
BNA_F
ClientSampleId :
4

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.3	13.9
236	26.3	21.1	31.7

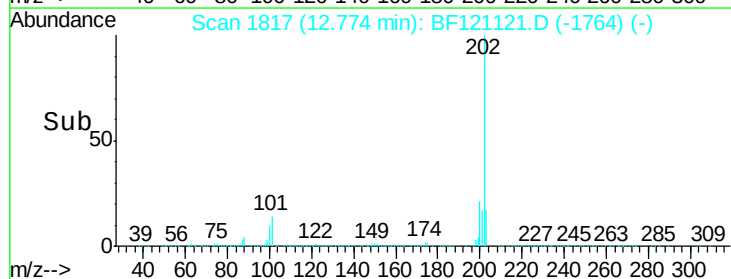
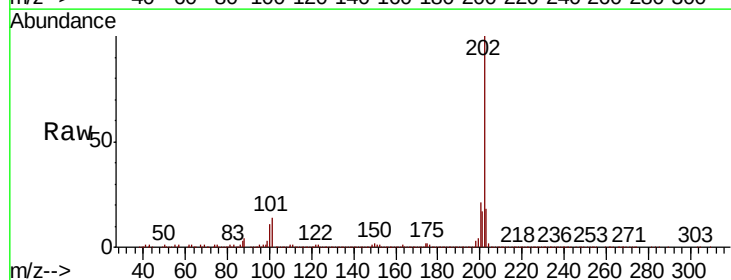
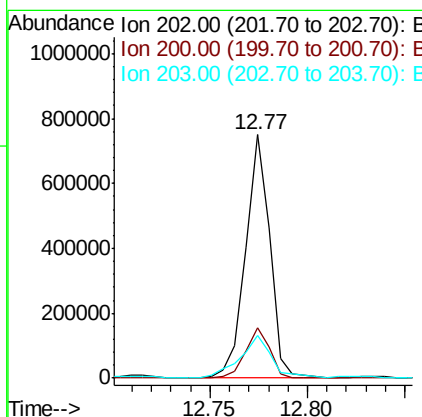
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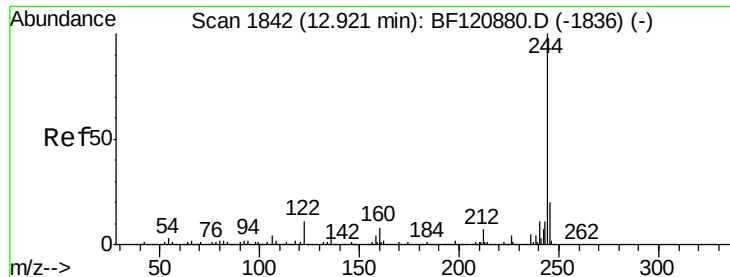
mohammad
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#78
Pyrene
Concen: 20.365 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	17.8	14.6	21.8





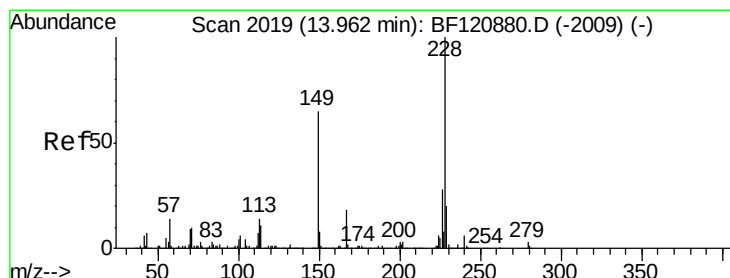
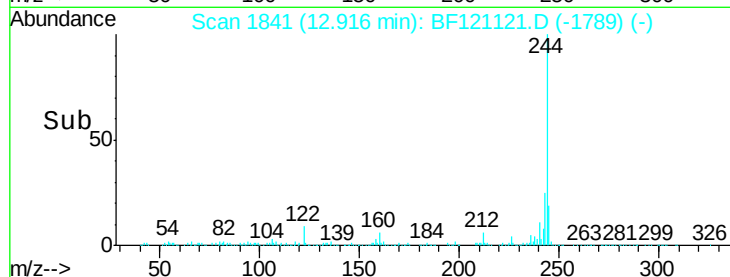
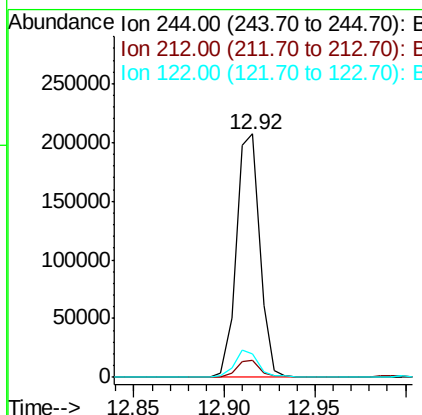
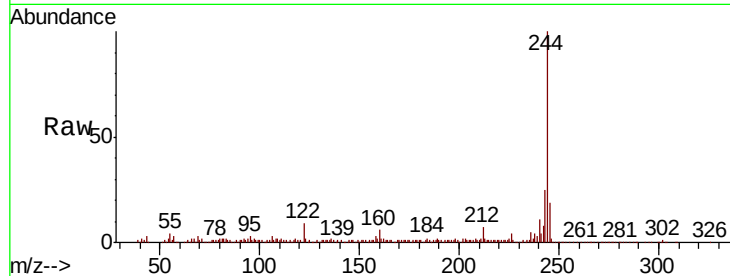
#79
 Terphenyl-d14
 Concen: 9.074 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

Instrument :
 BNA_F
 ClientSampleId :
 4

Tot Ion:	244	Resp:	186325
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.7	8.5
122	9.4	8.3	12.5

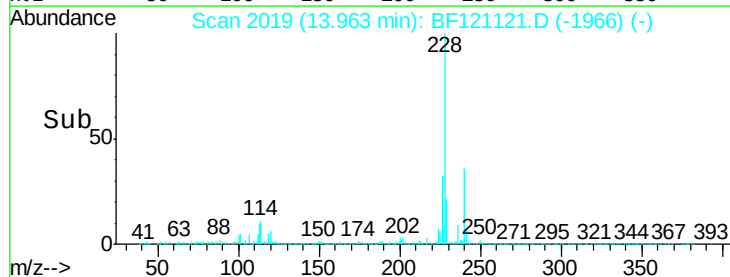
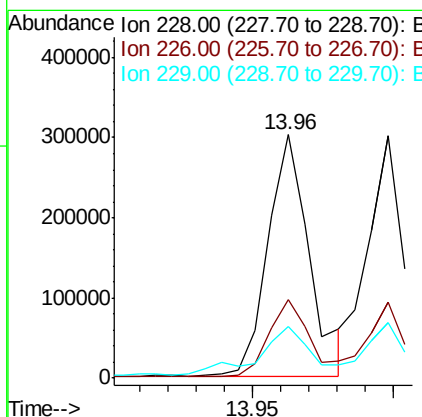
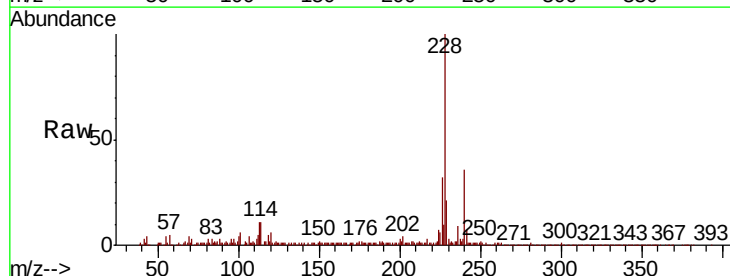
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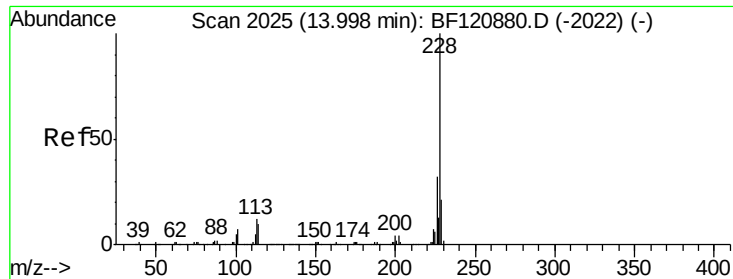
mohammad
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#81
 Benzo(a)anthracene
 Concen: 11.337 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

Tgt Ion:	228	Resp:	306429
Ion Ratio	Lower	Upper	
228	100		
226	32.2	22.6	34.0
229	21.4	16.1	24.1





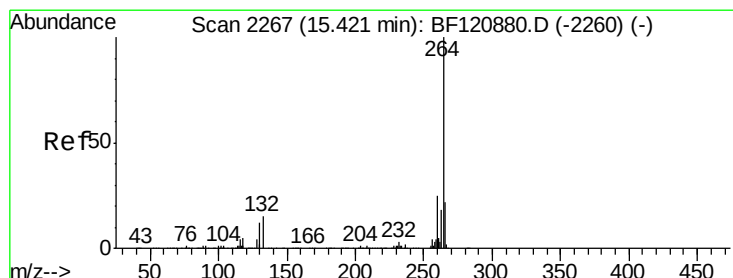
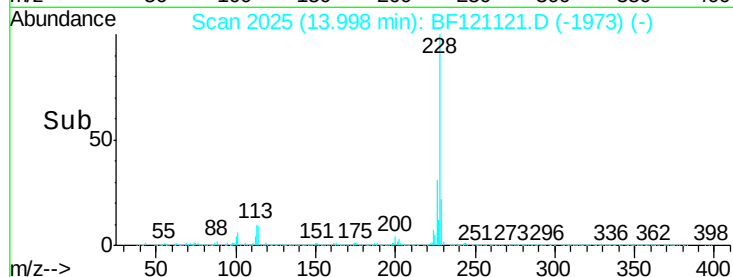
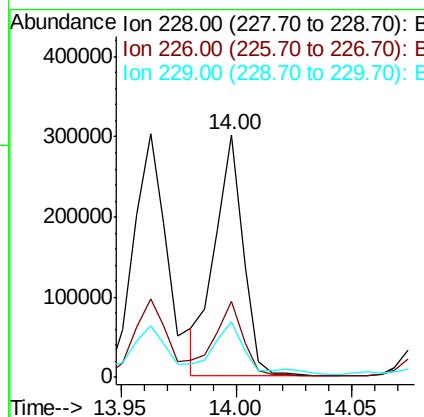
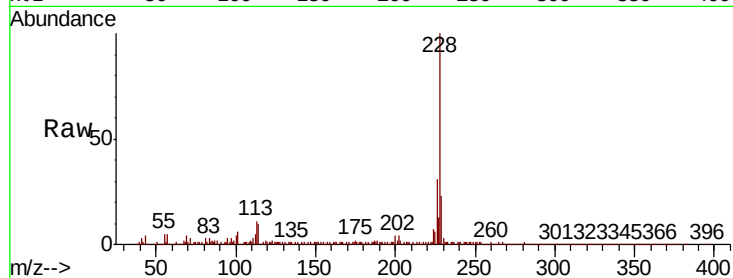
#83
Chrysene
Concen: 8.992 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Instrument :
BNA_F
ClientSampleId :
4

Tot Ion:	228	Resp:	255420
Ion Ratio		Lower	Upper
228	100		
226	31.2	25.4	38.0
229	22.9	16.2	24.4

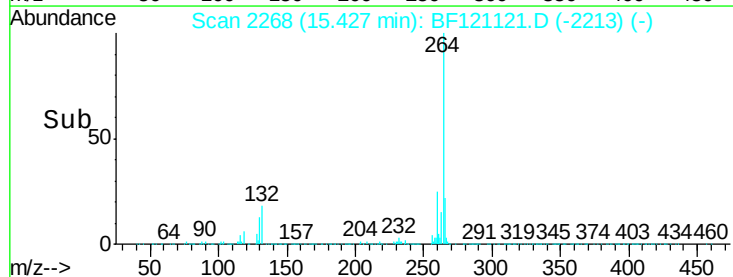
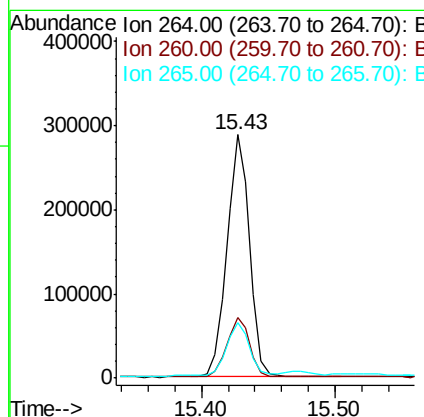
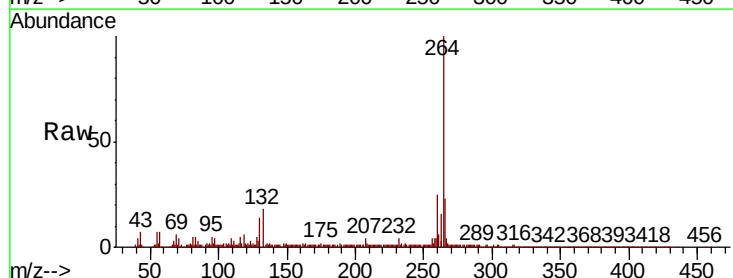
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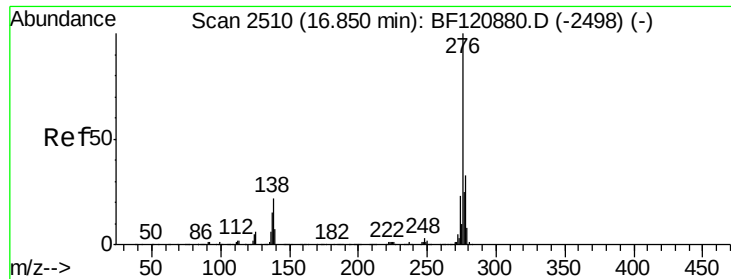
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Tgt Ion:	264	Resp:	344291
Ion Ratio		Lower	Upper
264	100		
260	25.1	19.9	29.9
265	23.0	17.8	26.8





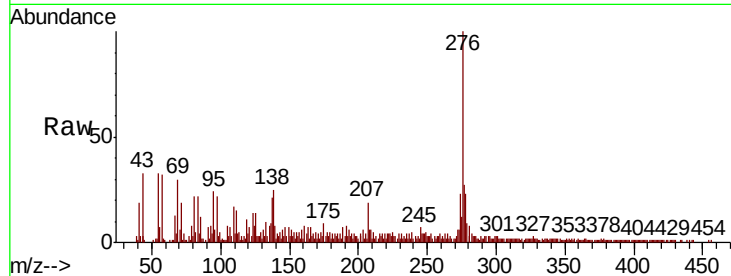
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.112 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. 0.03 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

Instrument :
 BNA_F
 ClientSampleId :
 4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.3	28.9
277	24.6	20.1	30.1

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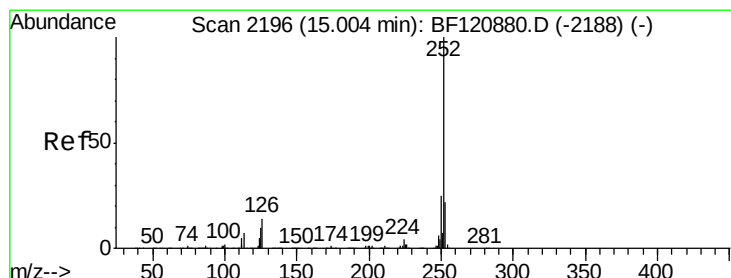
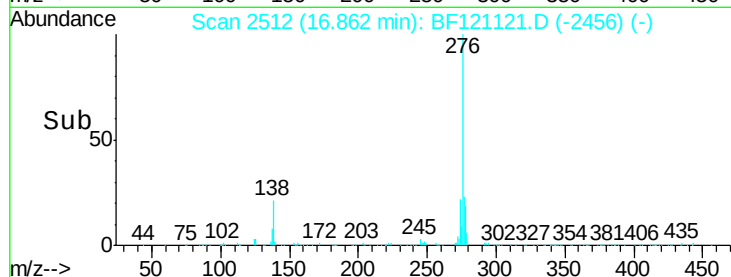
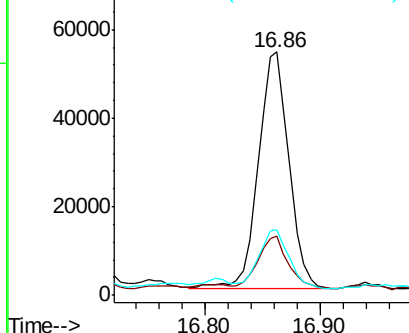


Abundance

Ion 276.00 (275.70 to 276.70): E

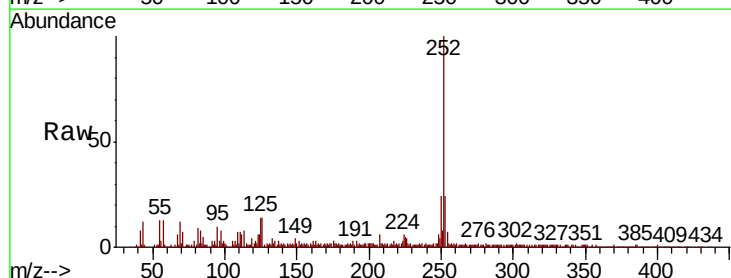
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 12.447 ng m
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.7	8.1	12.1

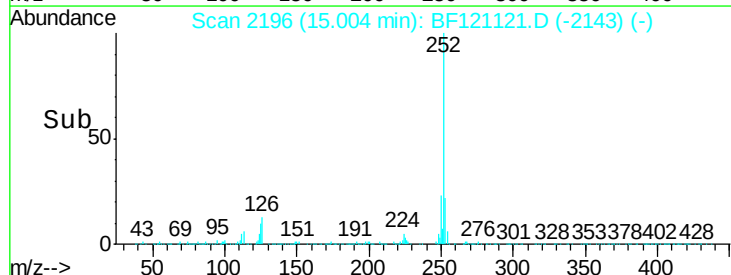
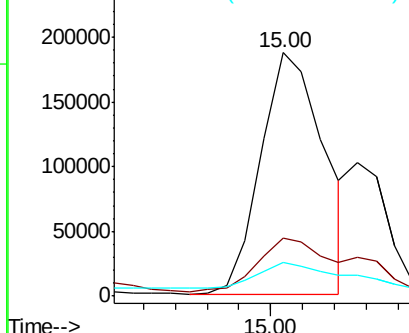


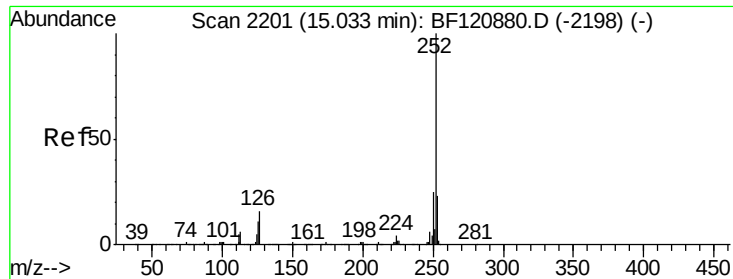
Abundance

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





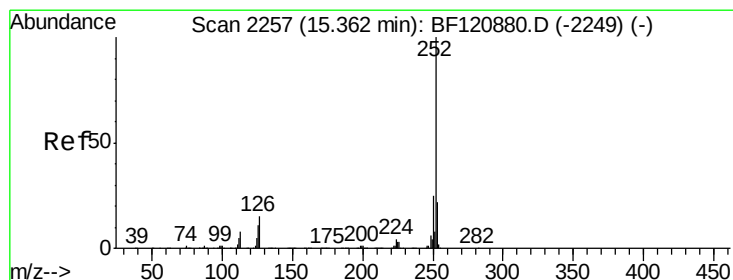
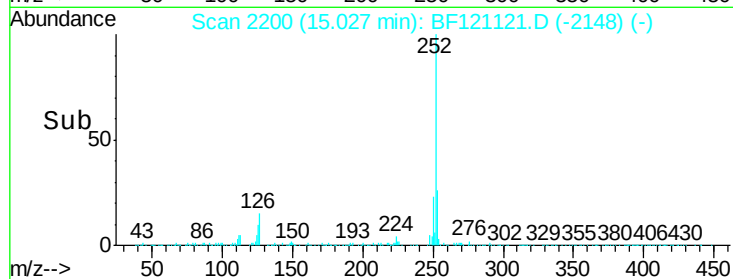
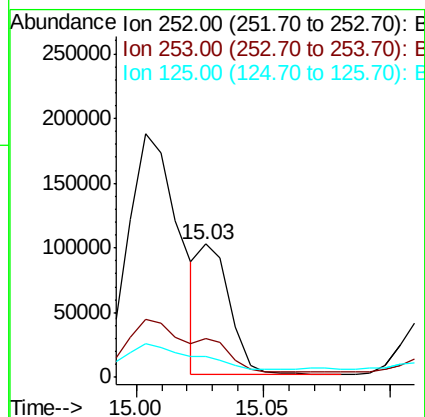
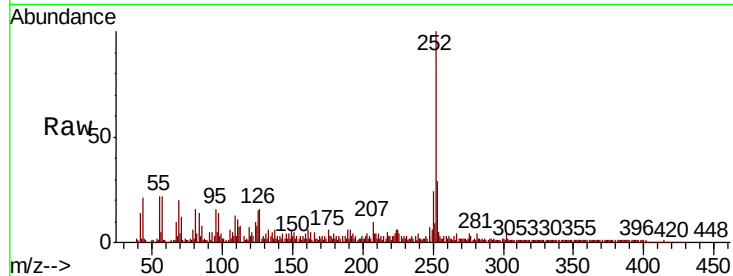
#89
Benzo(k)fluoranthene
Concen: 4.398 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Instrument :
BNA_F
ClientSampleId :
4

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.1	27.1#
125	15.5	8.0	12.0#

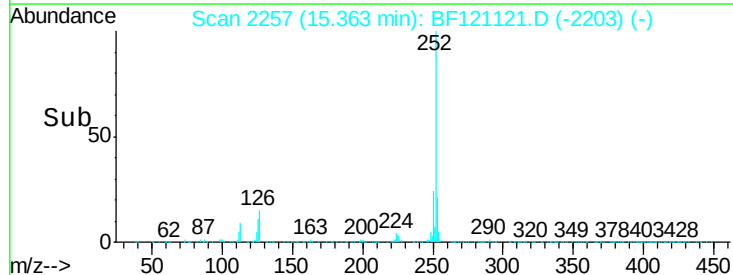
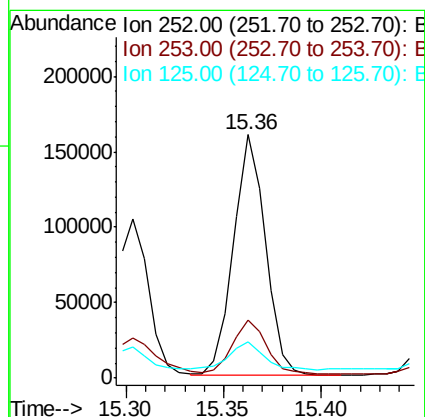
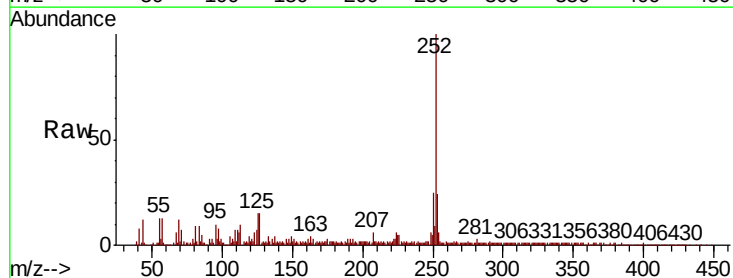
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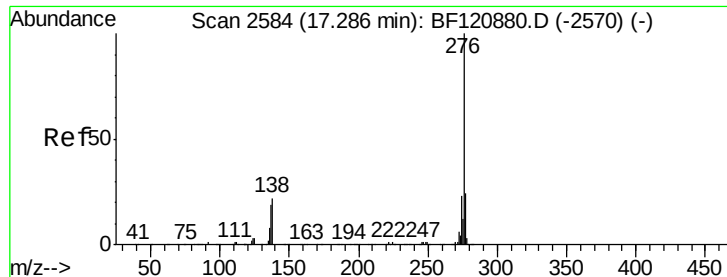
mohammad
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#90
Benzo(a)pyrene
Concen: 9.571 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121121.D
Acq: 30 Jul 2020 1:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	14.7	9.5	14.3#





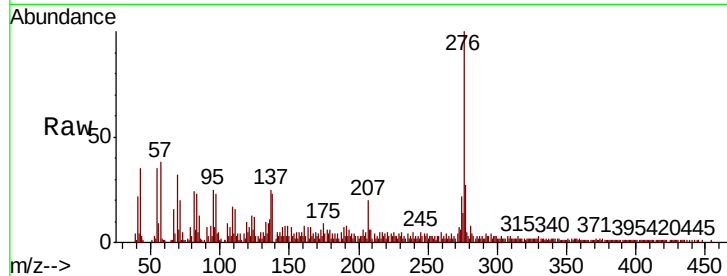
#92
 Benzo(a,h,i)perylene
 Concen: 4.856 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.03 min
 Lab File: BF121121.D
 Acq: 30 Jul 2020 1:04

Instrument :
 BNA_F
 ClientSampleId :
 4

Tot Ion:	276	Resp:	93645
Ion Ratio	Lower	Upper	
276	100		
277	27.2	19.4	29.0
138	23.5	17.2	25.8

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

