

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121807.D
 Acq On : 2 Oct 2020 21:54
 Operator : JU/CG
 Sample : L4213-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-16(9-11)

Manual Integrations
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Quant Time: Oct 03 07:37:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	135903	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	492747	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	203535	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	325427	20.00	ng	0.00
76) Chrysene-d12	13.92	240	293105	20.00	ng	-0.01
86) Perylene-d12	15.36	264	255654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	341022	37.29	ng	0.00
7) Phenol-d6	6.40	99	422409	35.21	ng	-0.02
23) Nitrobenzene-d5	7.33	82	269341	29.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	74267	29.36	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	443311	32.99	ng	-0.01
79) Terphenyl-d14	12.86	244	342523	23.67	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.52	163	53204	3.607	ng	99
71) Phenanthrene	11.30	178	276086	15.571	ng	98
72) Anthracene	11.36	178	76962	4.206	ng	98
75) Fluoranthene	12.50	202	434803	22.972	ng	97
78) Pyrene	12.72	202	383521	17.909	ng	99
81) Benzo(a)anthracene	13.91	228	229523	12.378	ng	98
83) Chrysene	13.94	228	196215	10.449	ng	96
87) Indeno(1,2,3-cd)pyrene	16.77	276	94383	5.669	ng	95
88) Benzo(b)fluoranthene	14.94	252	231304m	13.534	ng	
89) Benzo(k)fluoranthene	14.97	252	83992m	5.367	ng	
90) Benzo(a)pyrene	15.30	252	163483	11.253	ng	96
92) Benzo(a,h,i)perylene	17.20	276	84542	6.206	ng	99

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

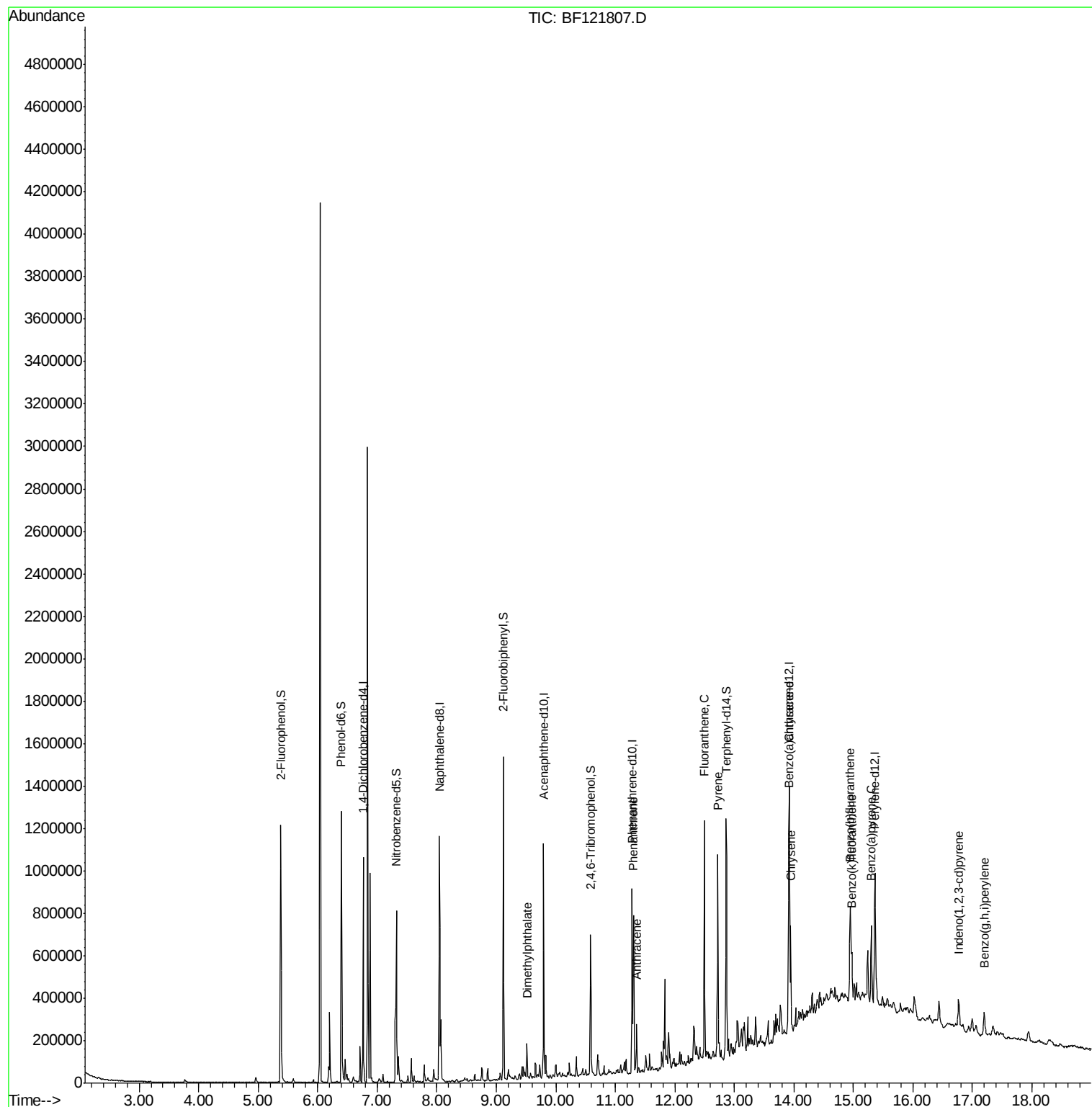
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121807.D
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Operator : JU/CG
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Misc :
ALS Vial : 22 Sample Multiplier: 1

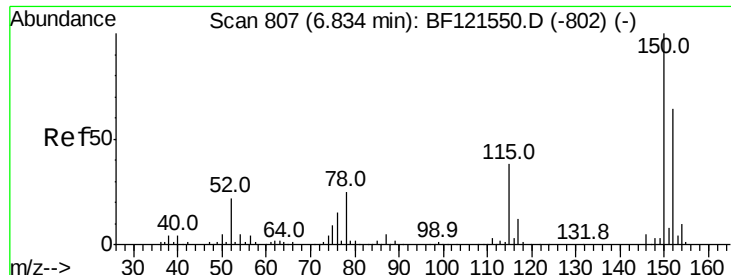
Instrument :
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ClientSampleId :
B-16(9-11)

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Quant Time: Oct 03 07:37:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

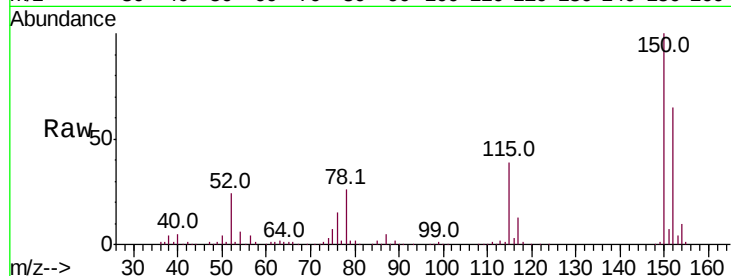
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.3	187.9
115	60.6	51.9	77.9

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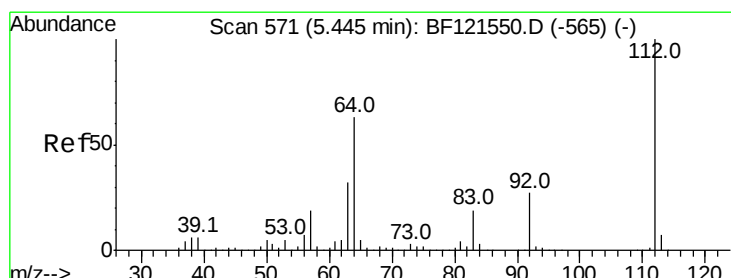
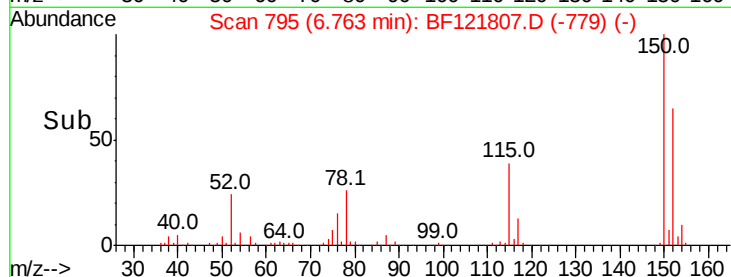
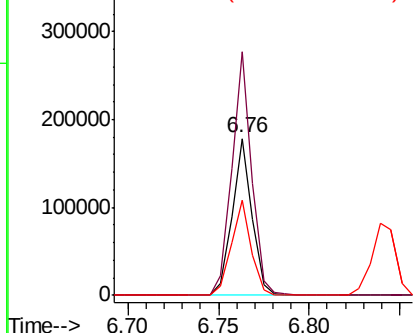


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

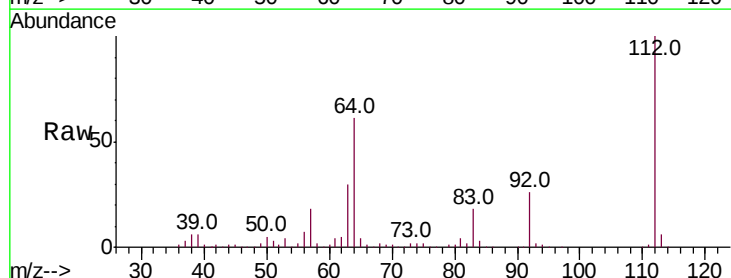
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.291 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	50.4	75.6
63	30.1	25.8	38.6

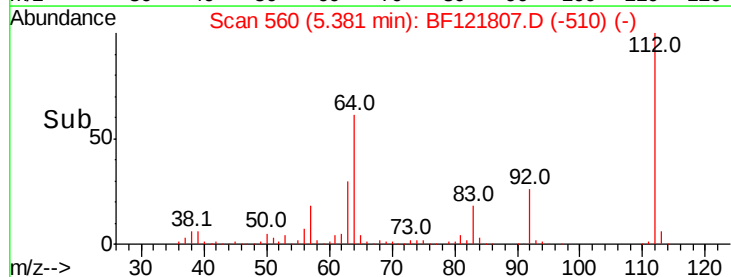
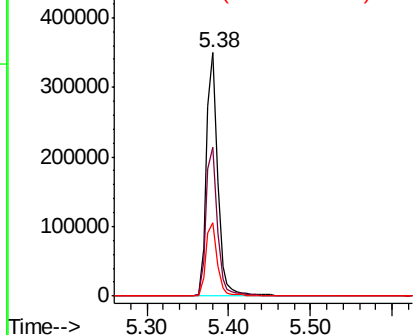


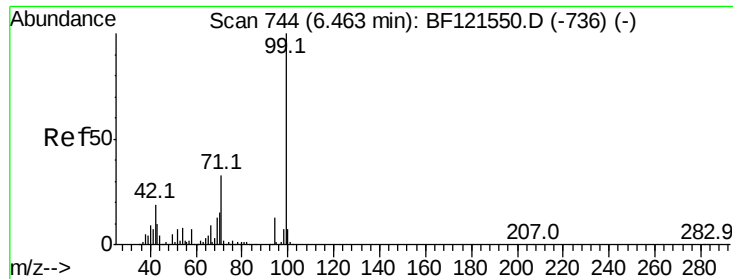
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.208 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

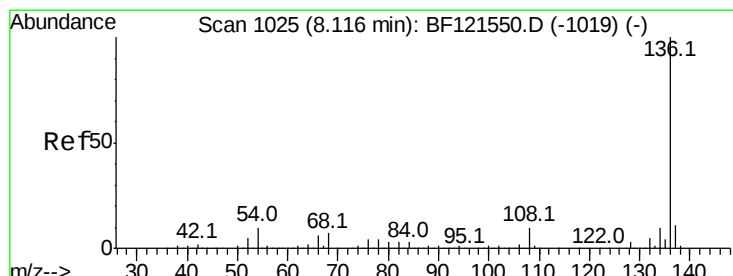
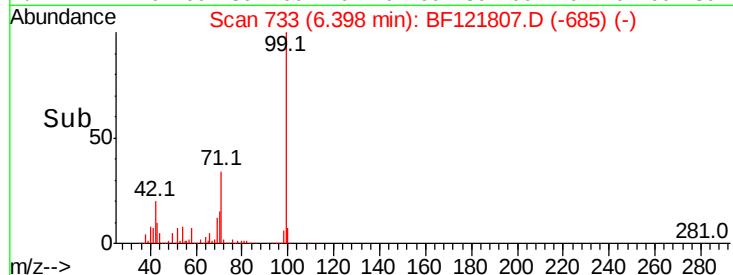
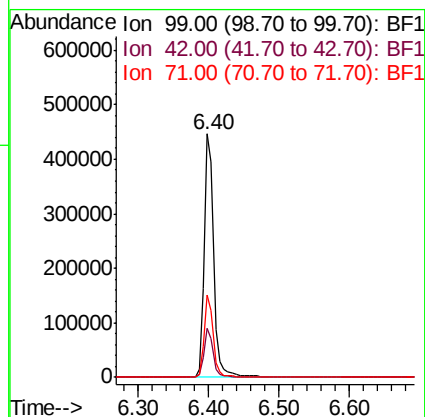
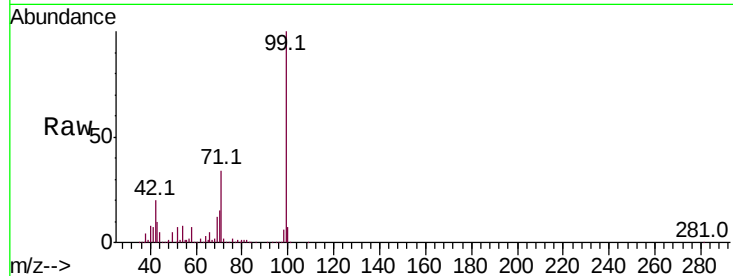
ClientSampleId :

B-16(9-11)

Tot Ion:	99	Resp:	422409
Ion Ratio	Lower	Upper	
99	100		
42	20.3	15.9	23.9
71	33.8	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

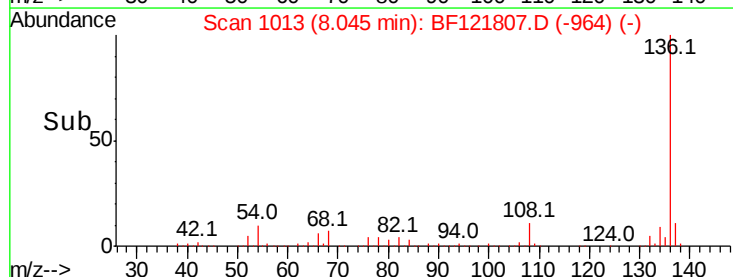
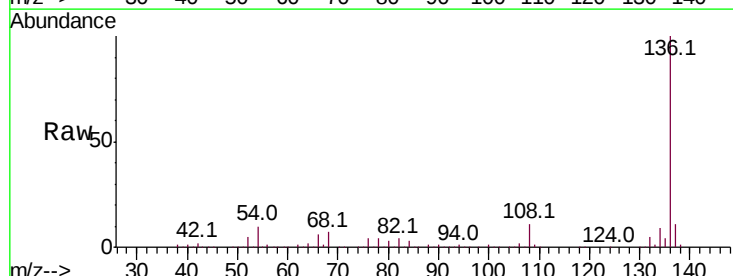
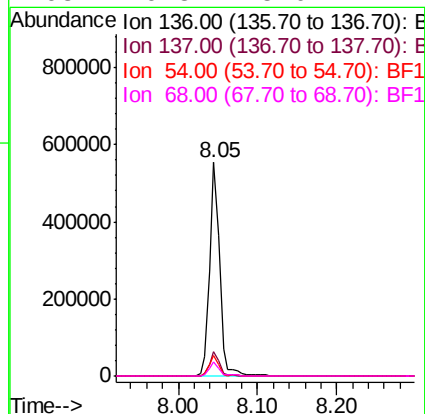
RT: 8.05 min Scan# 1013

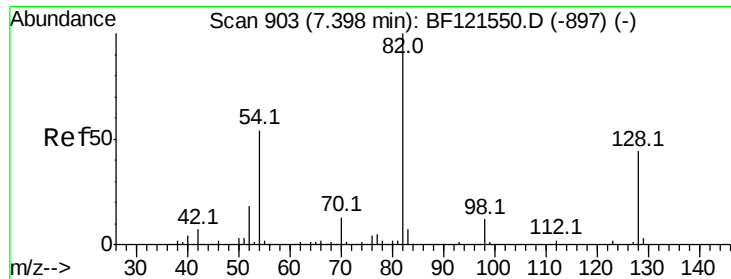
Delta R.T. -0.01 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Tgt Ion:	136	Resp:	492747
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	9.5	7.1	10.7
68	6.8	5.0	7.4





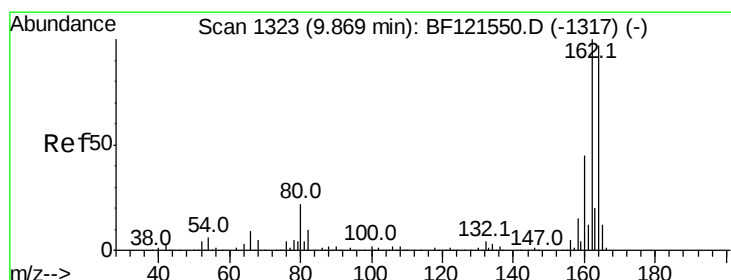
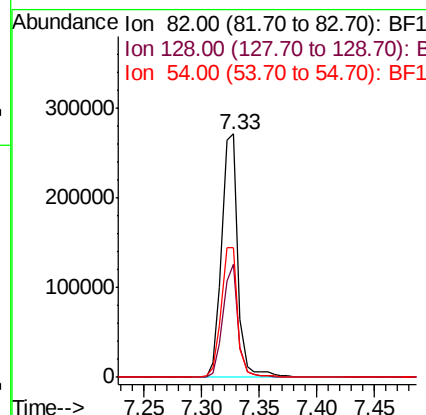
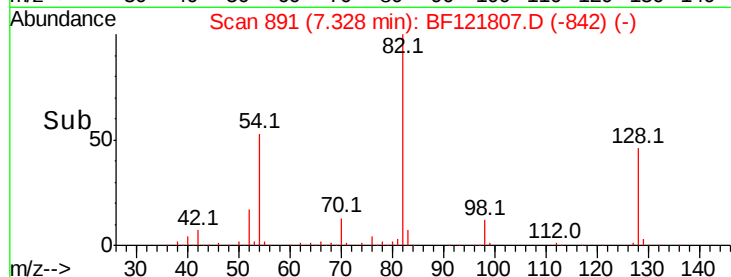
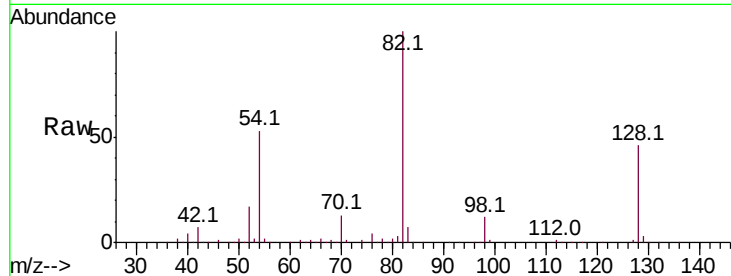
#23
Nitrobenzene-d5
Concen: 29.349 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.0	52.4
54	53.1	43.9	65.9

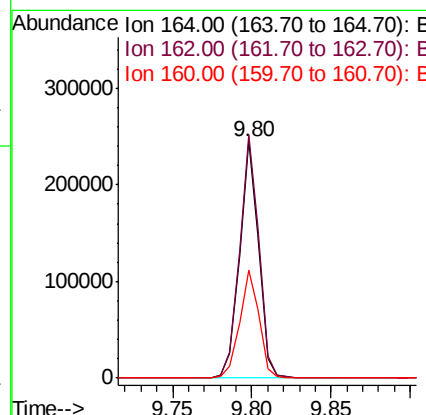
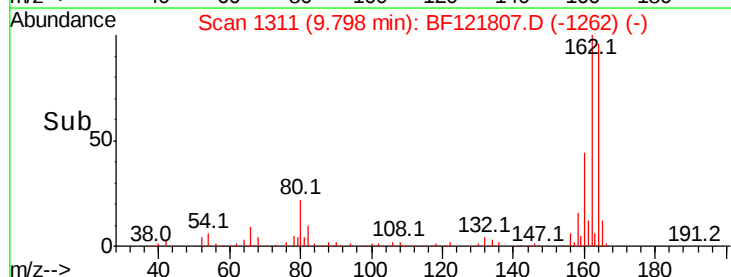
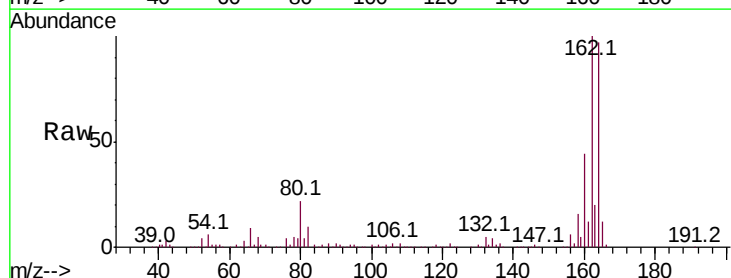
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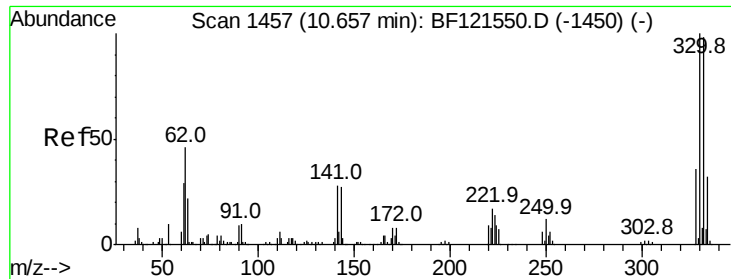
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.2	124.8
160	45.6	37.5	56.3





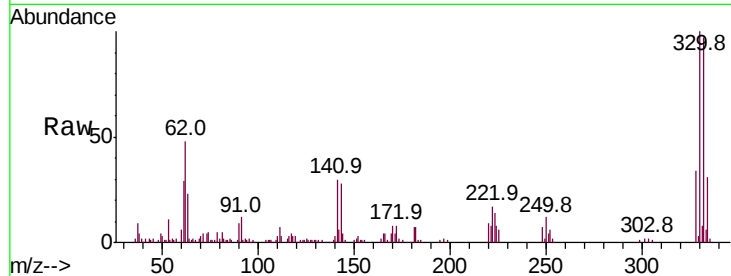
#42
 2,4,6-Tribromophenol
 Concen: 29.358 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121807.D
 Acq: 2 Oct 2020 21:54

Instrument :
 BNA_F
 ClientSampleId :
 B-16(9-11)

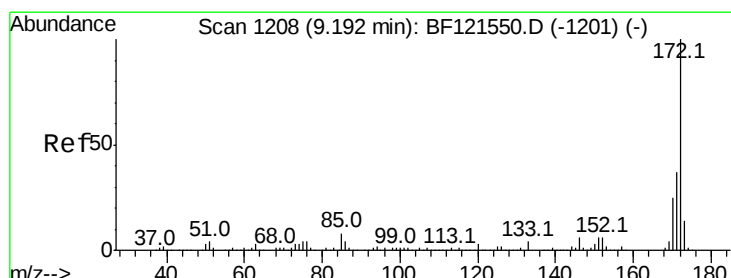
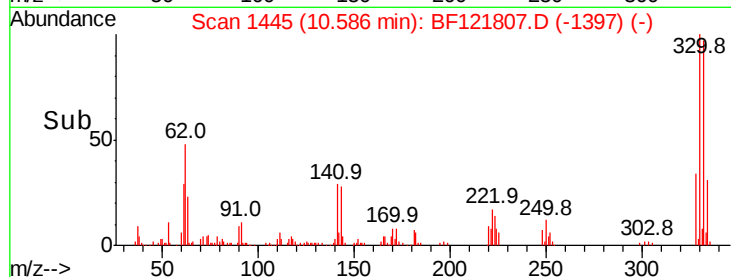
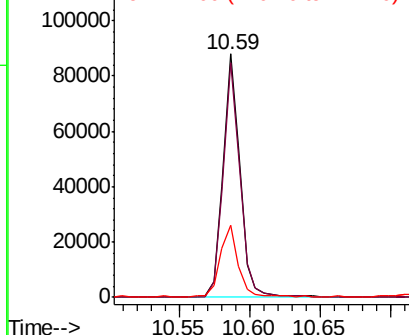
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.3	115.9
141	32.5	22.3	33.5

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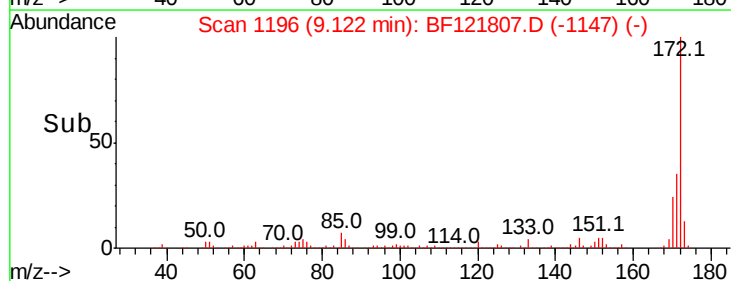
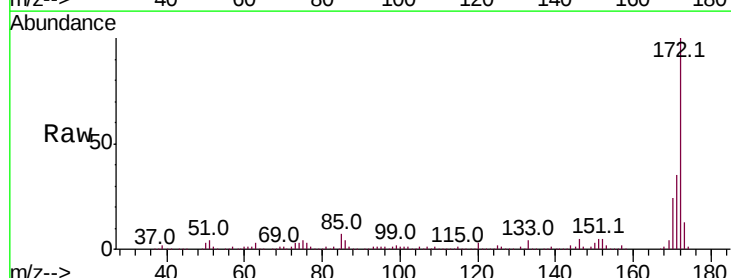
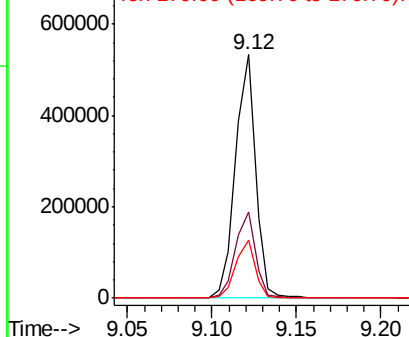
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

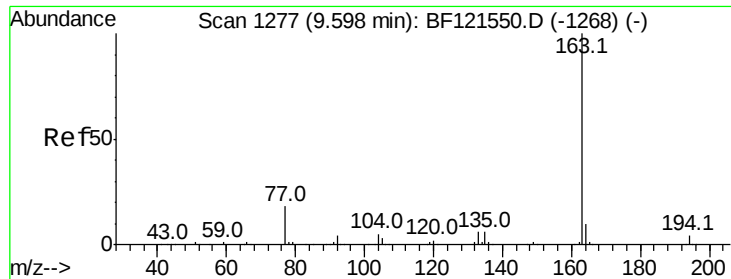


#45
 2-Fluorobiphenyl
 Concen: 32.987 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121807.D
 Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.1	43.7
170	23.6	19.8	29.6

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





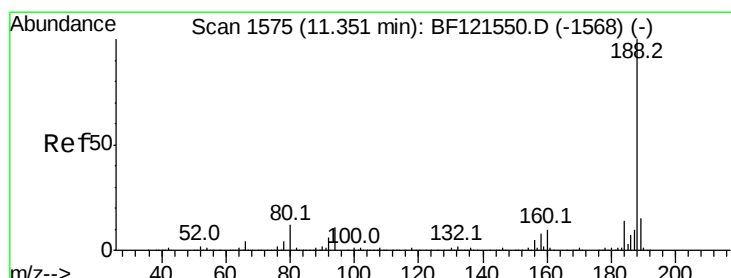
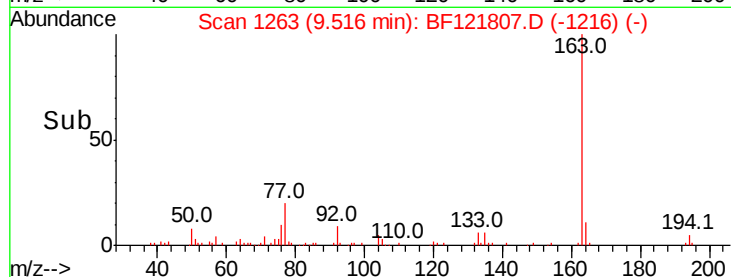
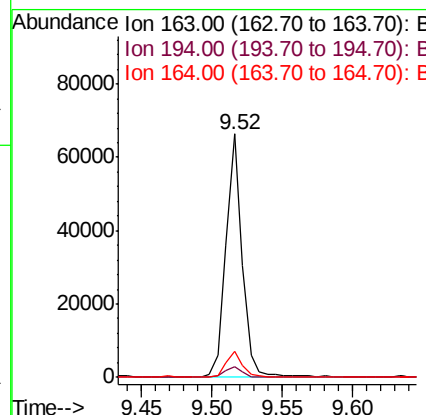
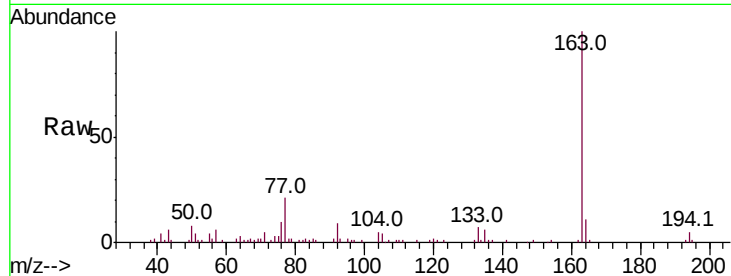
#50
Dimethylphthalate
Concen: 3.607 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion:	163	Resp:	53204
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.3	4.9
164	10.8	8.2	12.4

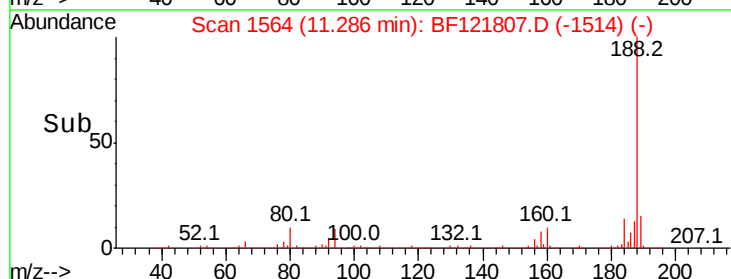
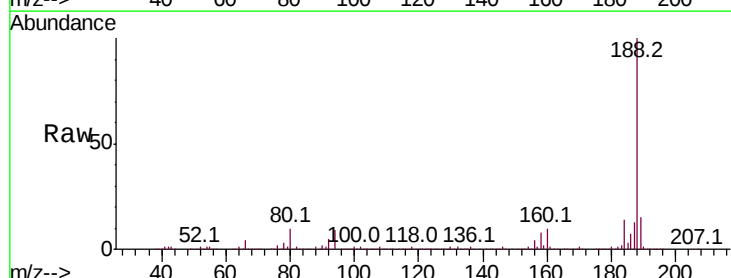
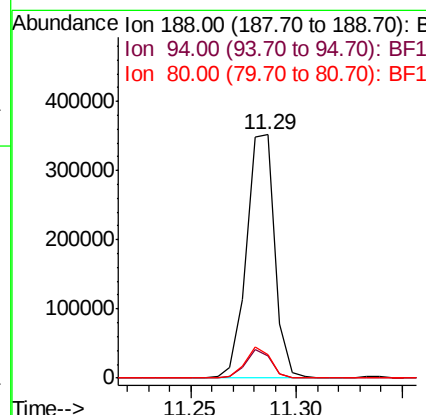
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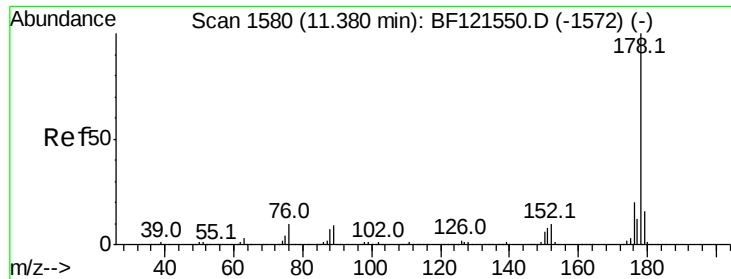
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion:	188	Resp:	325427
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.3	12.5
80	9.7	9.1	13.7





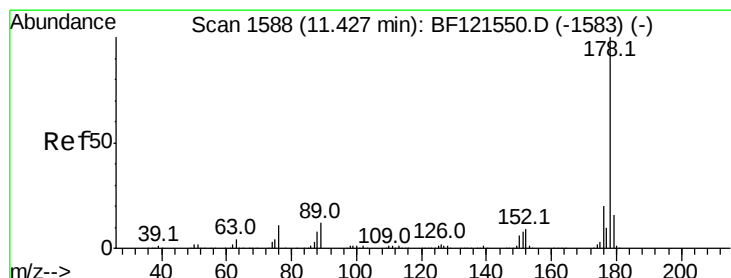
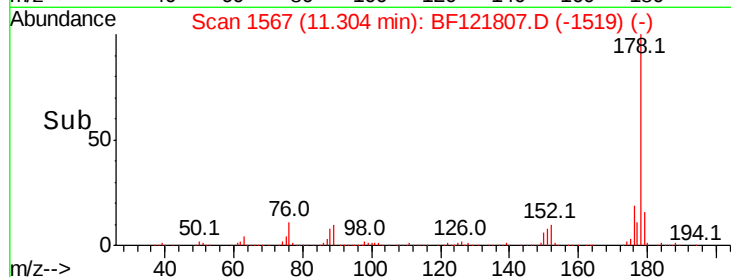
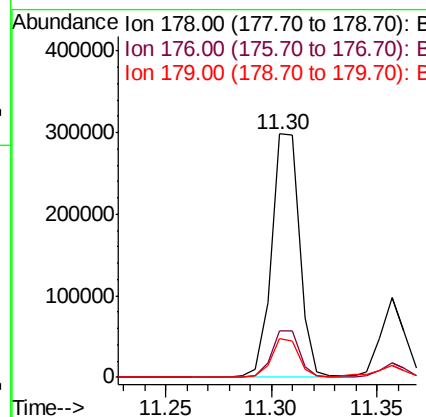
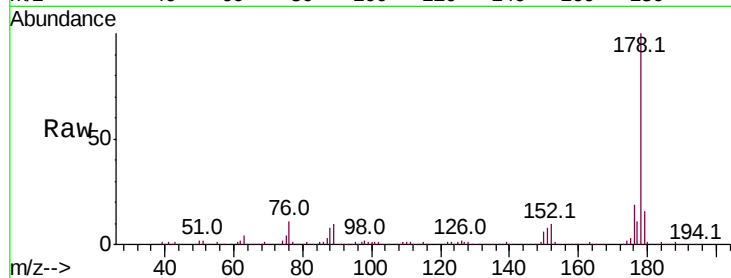
#71
Phenanthrene
Concen: 15.571 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
178	100	276086		
176	19.0		15.9	23.9
179	15.8		12.2	18.4

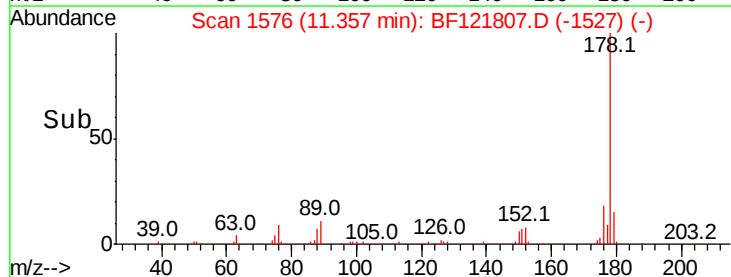
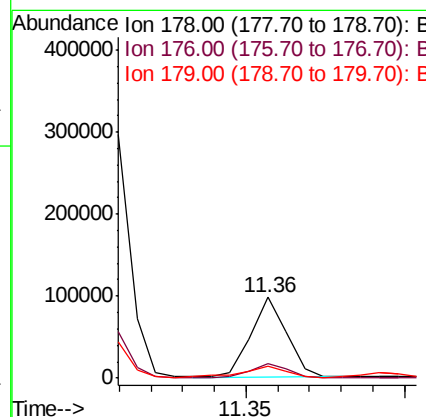
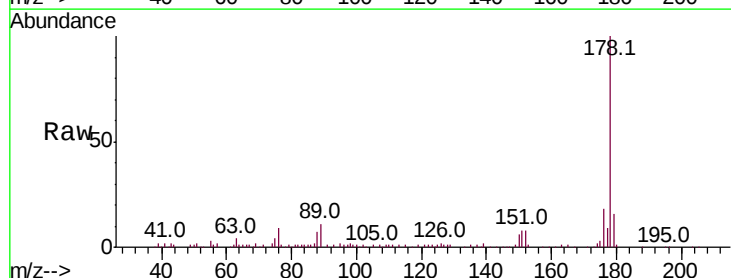
Manual Integrations
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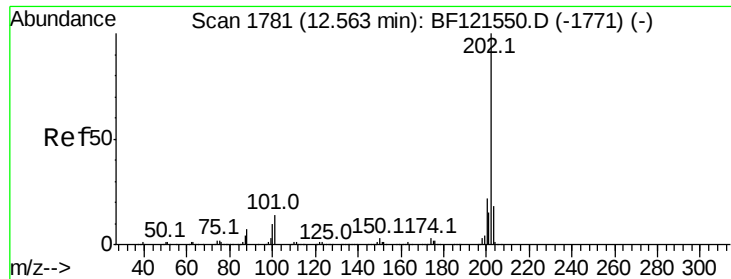
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#72
Anthracene
Concen: 4.206 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	76962		
176	17.9		15.7	23.5
179	15.5		12.7	19.1





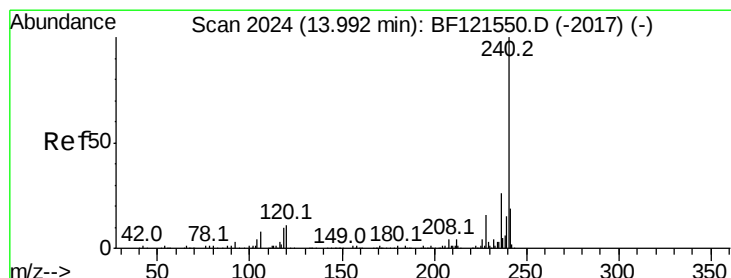
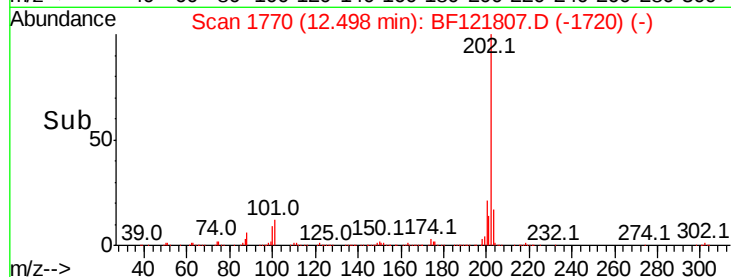
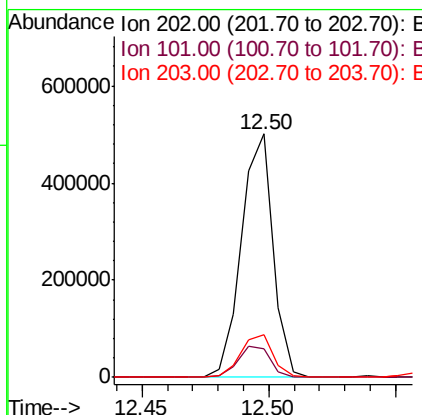
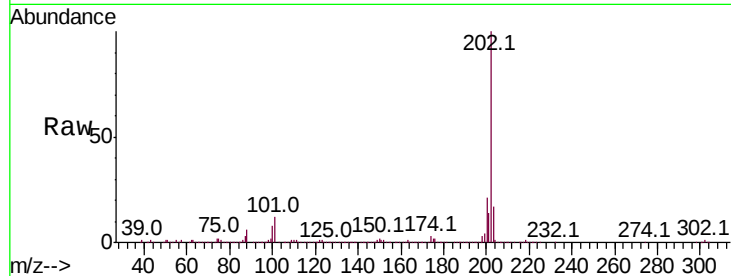
#75
Fluoranthene
Concen: 22.972 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	33.4
203	17.5	0.0	37.9

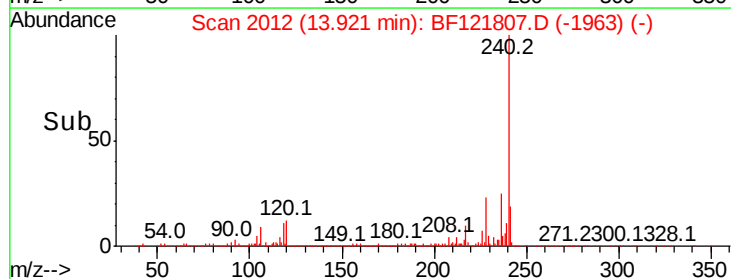
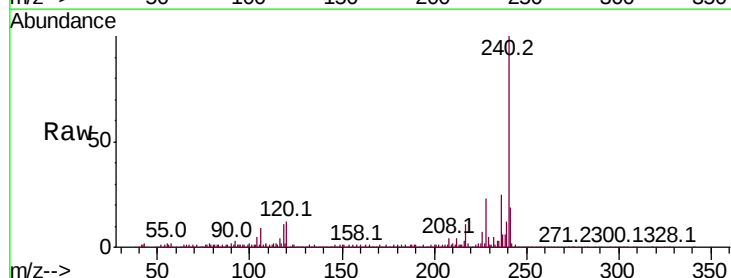
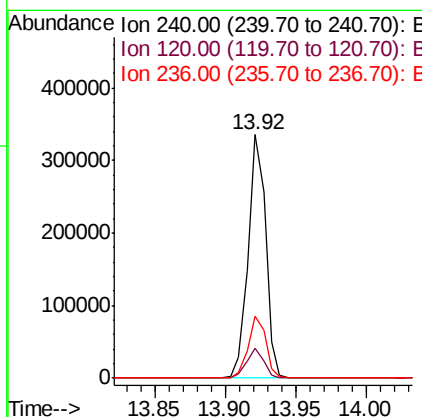
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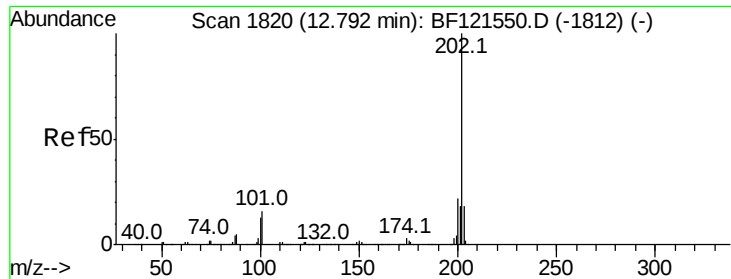
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	9.2	13.8
236	25.2	20.9	31.3





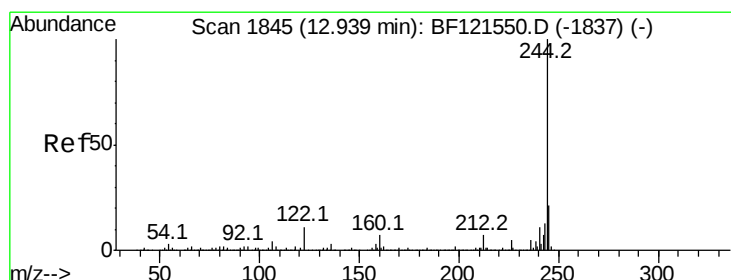
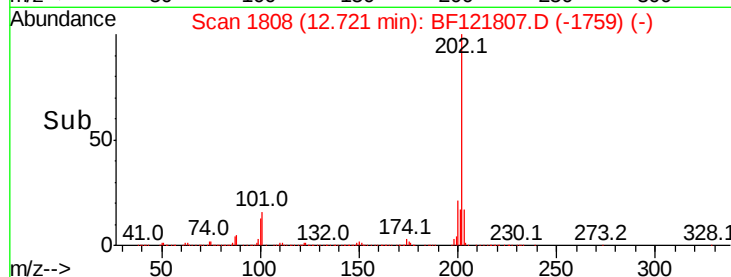
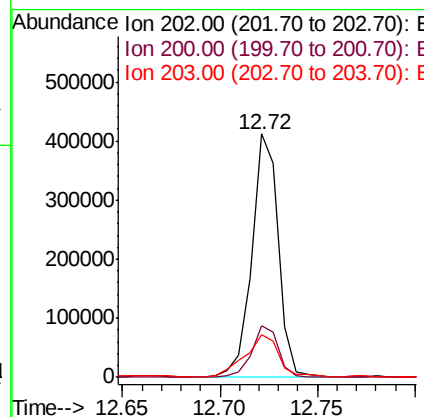
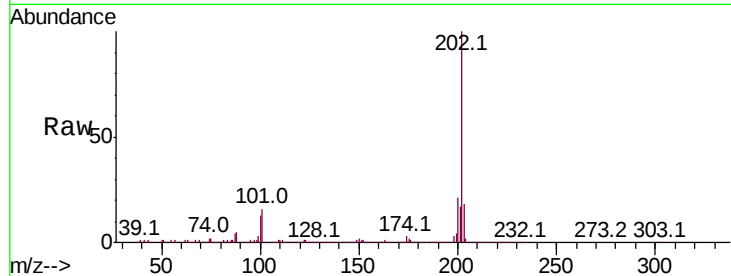
#78
Pvrene
Concen: 17.909 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampled :
B-16(9-11)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.6	21.8

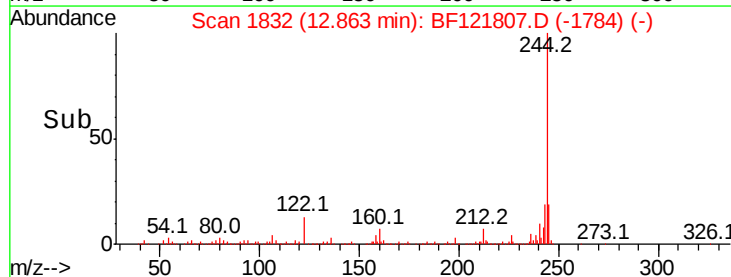
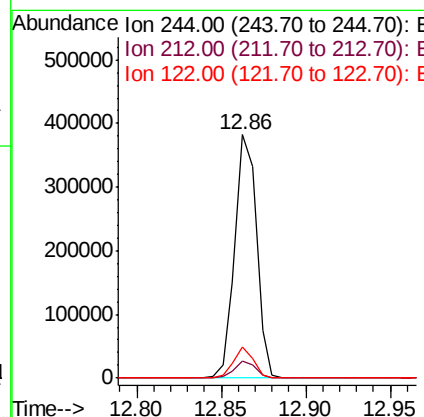
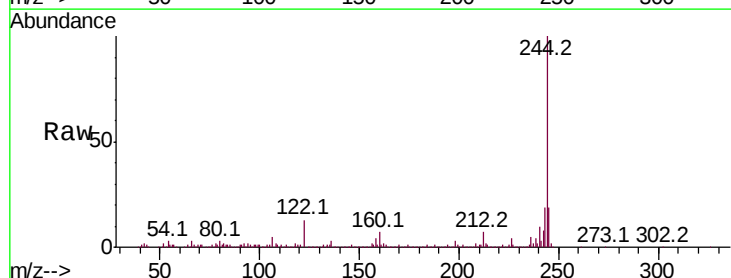
Manual Integrations
APPROVED

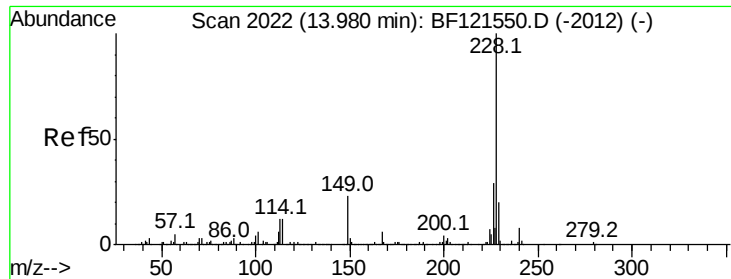
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#79
Terphenyl-d14
Concen: 23.675 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.2
122	12.7	8.1	12.1#





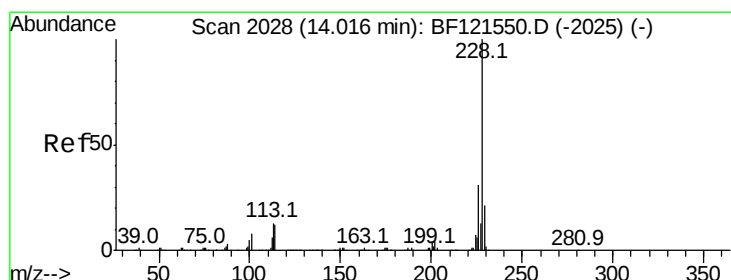
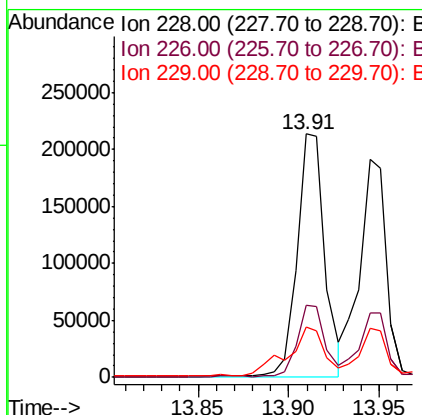
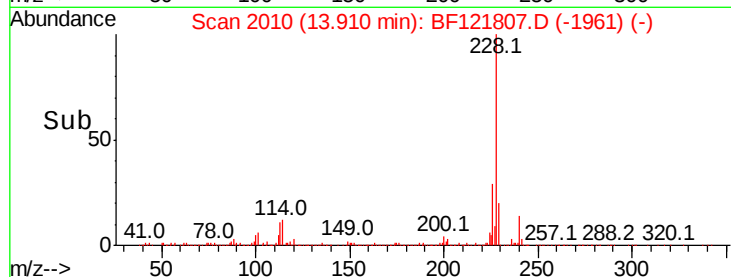
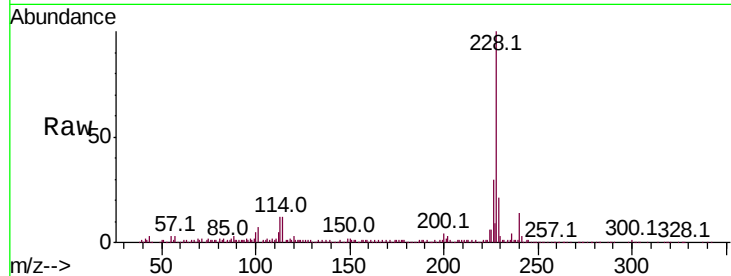
#81
Benzo(a)anthracene
Concen: 12.378 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	20.6	16.2	24.4

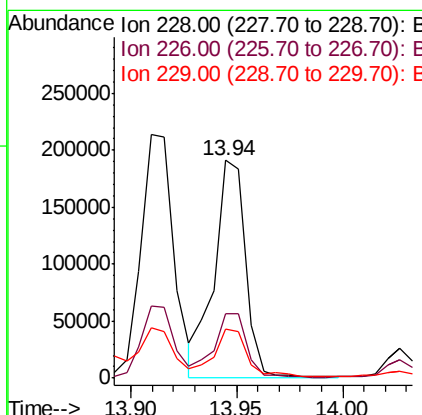
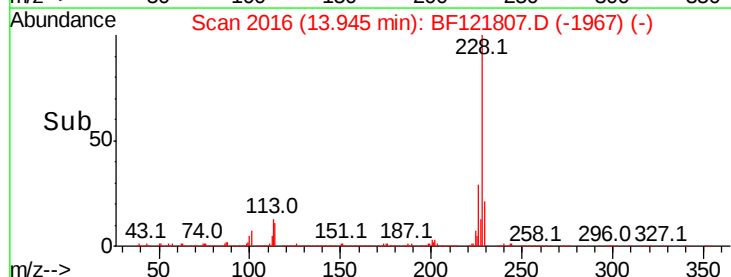
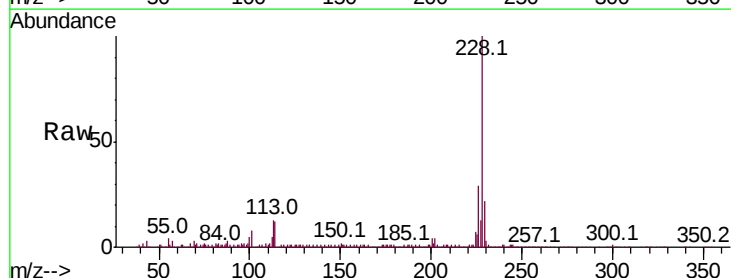
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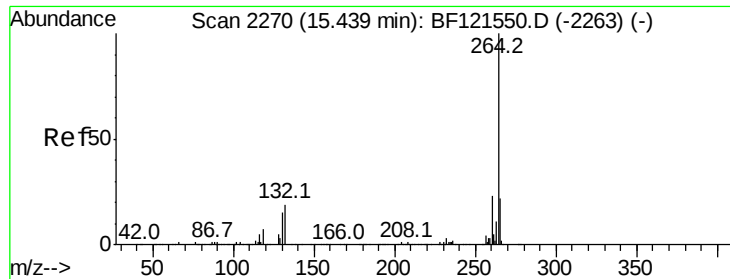
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#83
Chrysene
Concen: 10.449 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	22.5	15.9	23.9





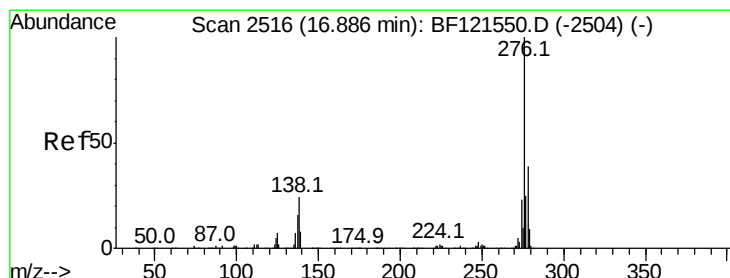
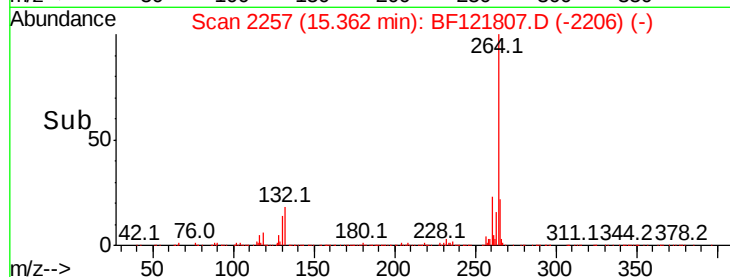
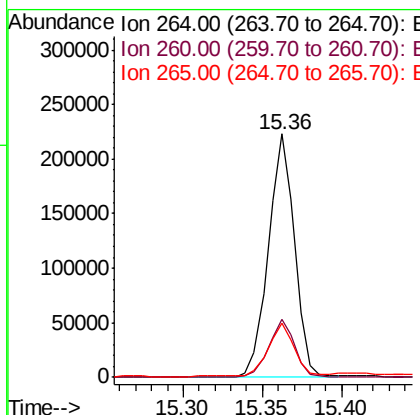
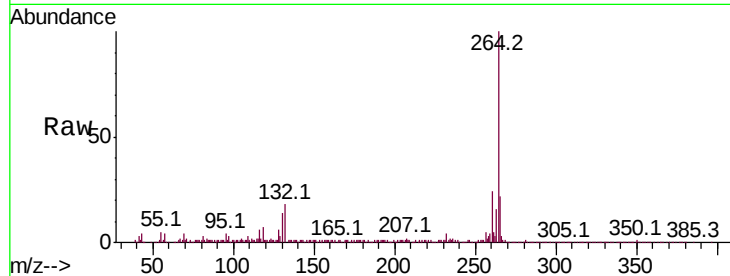
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.2	17.3	25.9

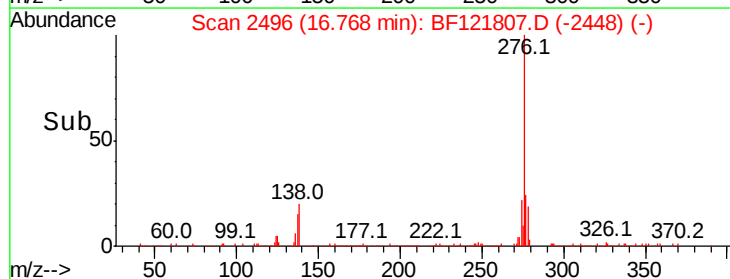
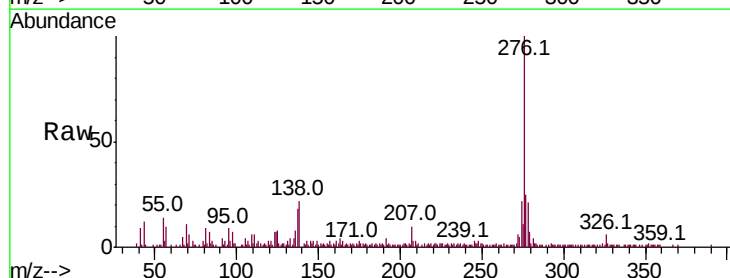
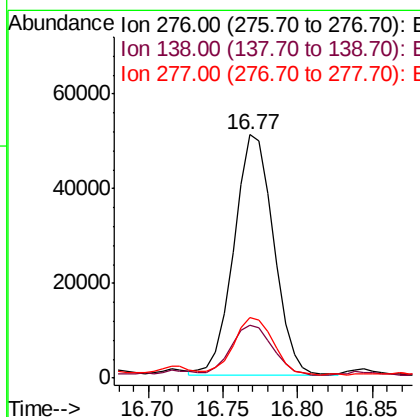
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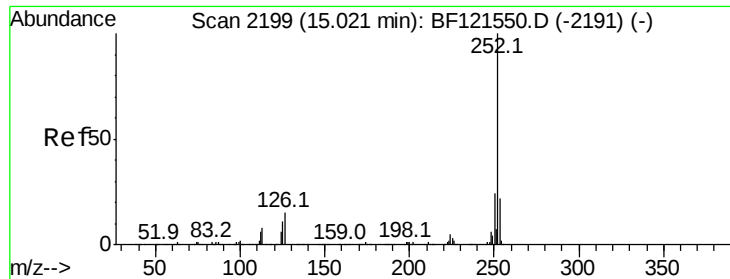
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.669 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.9	29.9
277	23.2	20.4	30.6





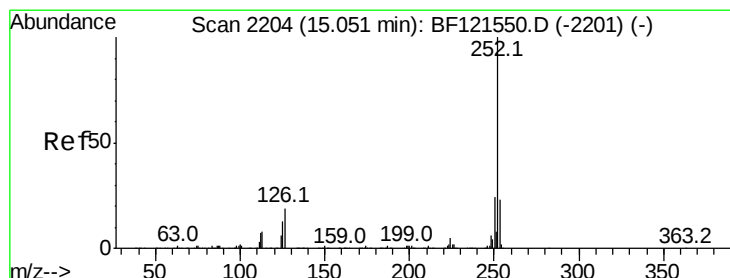
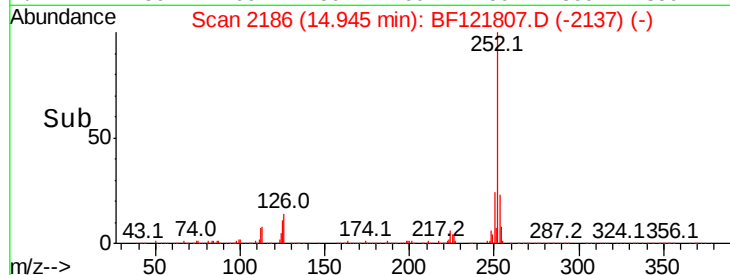
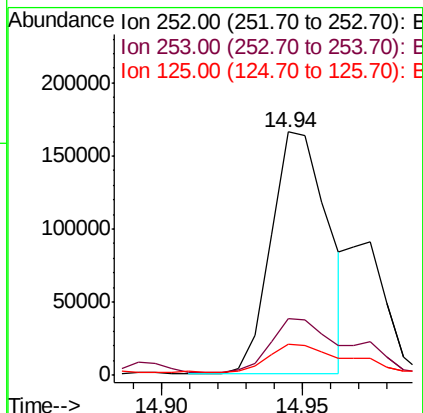
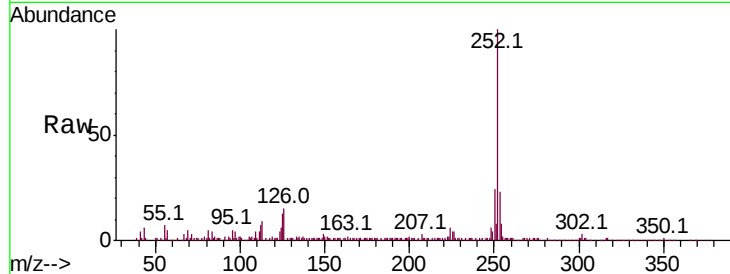
#88
Benzo(b)fluoranthene
Concen: 13.534 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	231304		
253	23.4	18.2	27.2	
125	12.8	8.0	12.0	

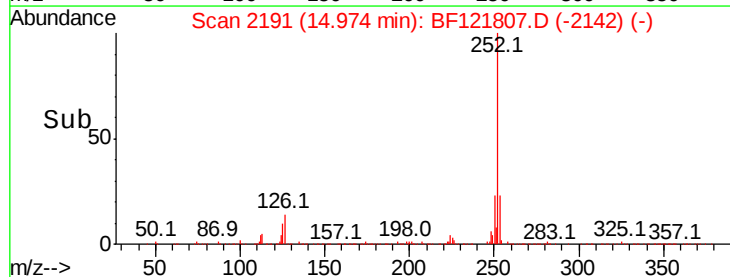
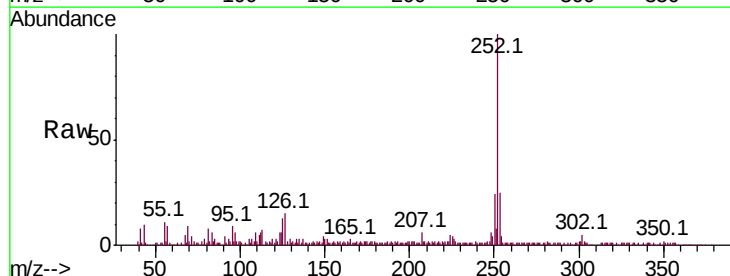
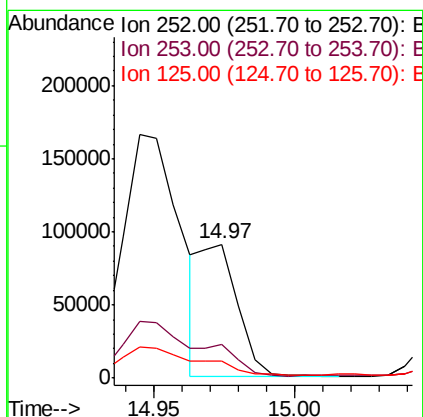
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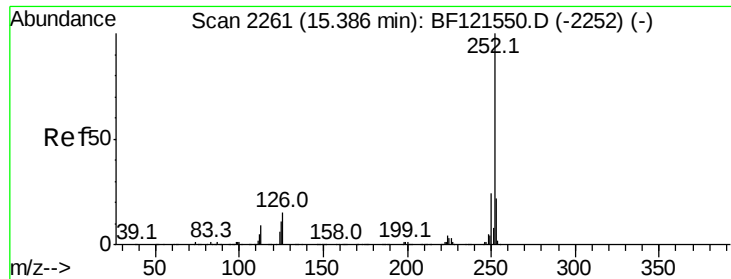
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#89
Benzo(k)fluoranthene
Concen: 5.367 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	83992		
253	24.7	17.8	26.6	
125	12.9	7.7	11.5	





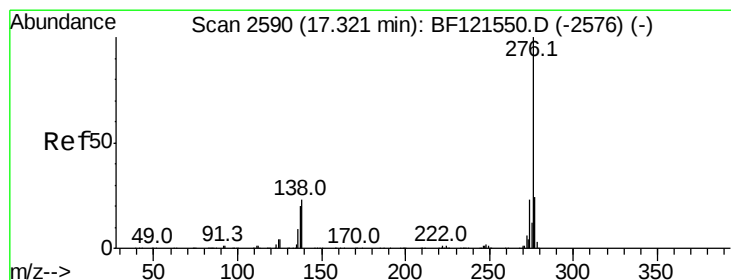
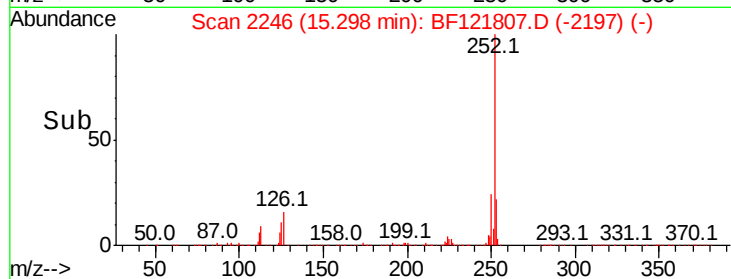
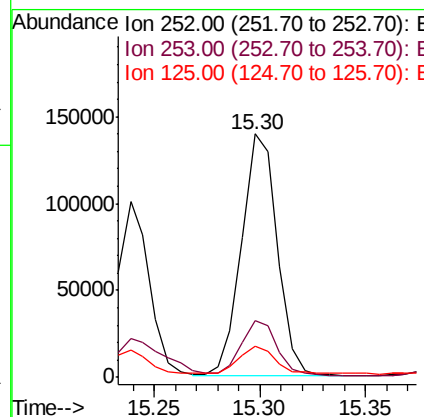
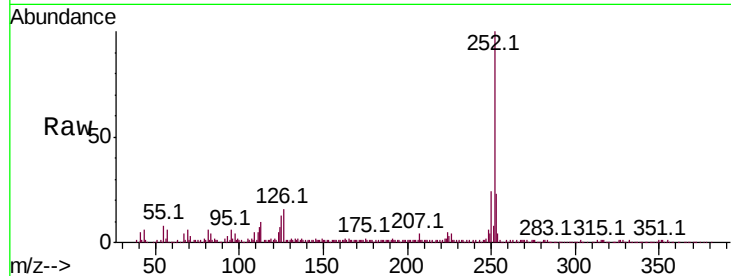
#90
Benzo(a)pyrene
Concen: 11.253 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion:	252	Resp:	163483
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	12.9	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.206 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion:	276	Resp:	84542
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.4	29.2
138	22.4	17.8	26.6

