

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
 Data File : BF121223.D
 Acq On : 7 Aug 2020 1:42
 Operator : JU/CG
 Sample : L3502-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-080520

Manual Integrations
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mohammad
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Quant Time: Aug 07 04:55:02 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	125492	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	495645	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	249387	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	431640	20.00	ng	0.00
76) Chrysene-d12	13.97	240	324831	20.00	ng	0.00
86) Perylene-d12	15.42	264	315952	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	117908	15.40	ng	-0.01
7) Phenol-d6	6.43	99	151642	15.34	ng	-0.01
23) Nitrobenzene-d5	7.36	82	97185	11.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	38771	14.20	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	212707	12.73	ng	0.00
79) Terphenyl-d14	12.90	244	187983	12.58	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	591079	26.626	ng	99
72) Anthracene	11.40	178	235989	10.587	ng	98
75) Fluoranthene	12.54	202	1152716	46.846	ng	97
78) Pyrene	12.77	202	1086156	47.295	ng	100
81) Benzo(a)anthracene	13.96	228	683612	34.754	ng	99
83) Chrysene	13.99	228	557616	26.975	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	239621	10.905	ng	97
88) Benzo(b)fluoranthene	15.00	252	753008m	39.428	ng	
89) Benzo(k)fluoranthene	15.03	252	195538m	11.227	ng	
90) Benzo(a)pyrene	15.36	252	502395	28.833	ng	99
91) Dibenzo(a,h)anthracene	16.86	278	64347m	3.585	ng	
92) Benzo(a,h,i)perylene	17.29	276	208280	11.769	ng	100

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

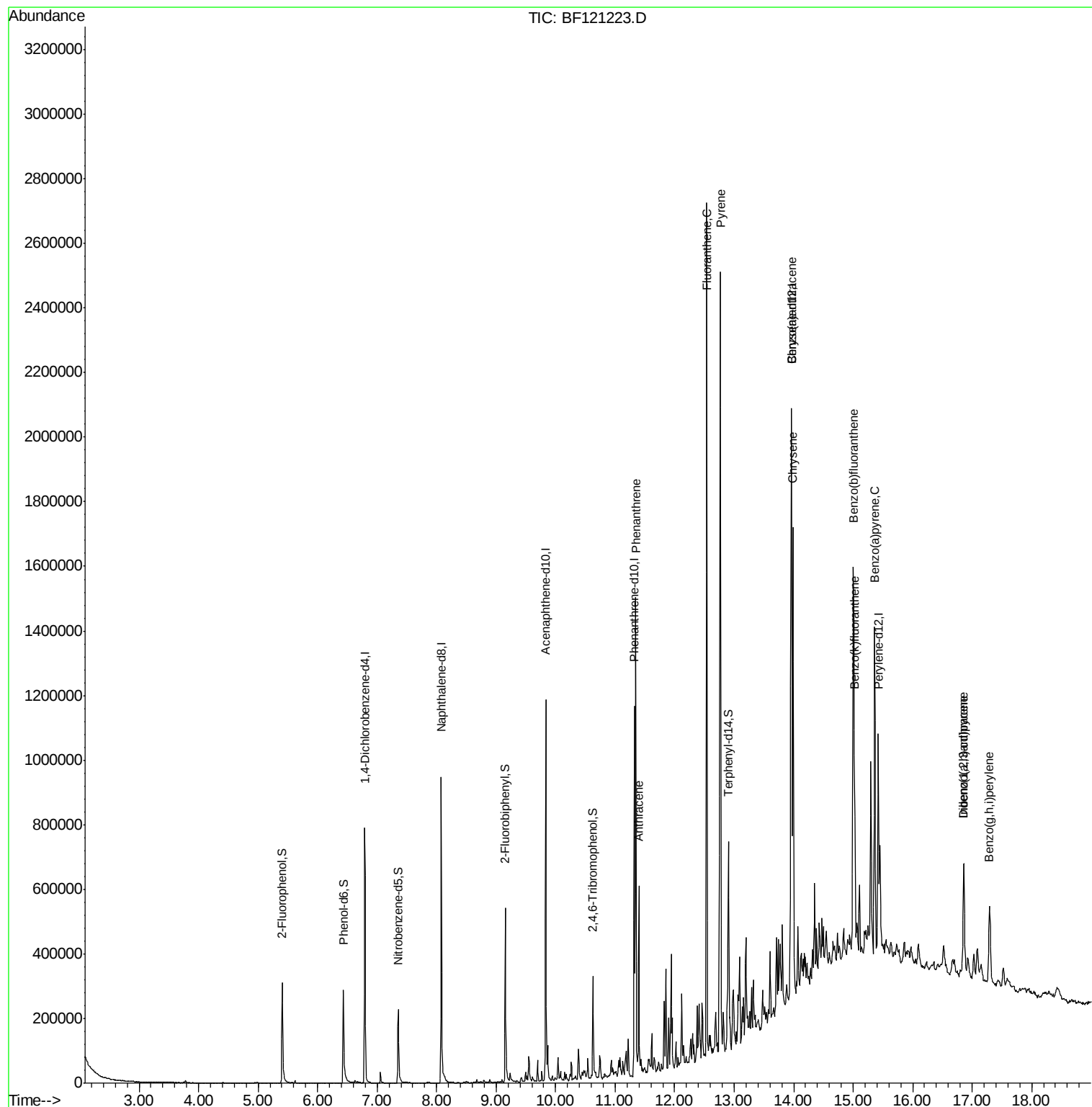
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
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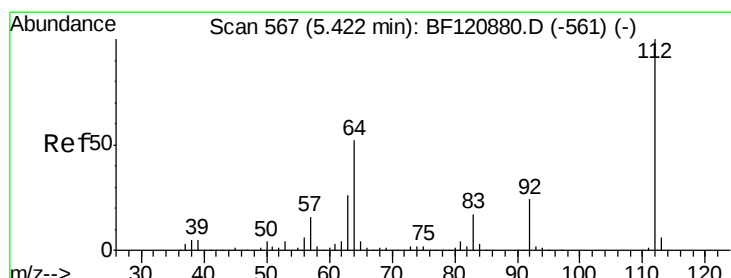
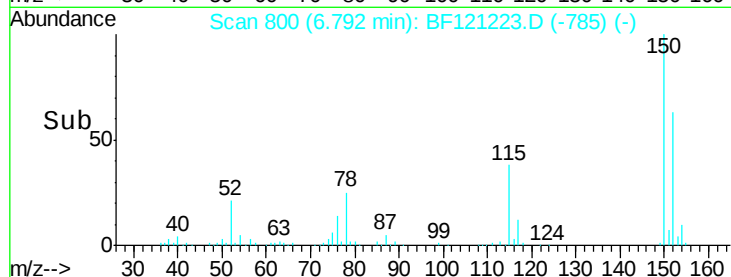
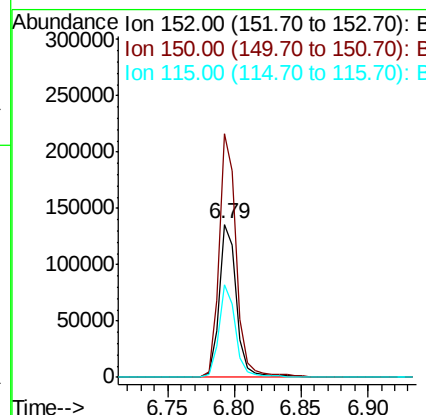
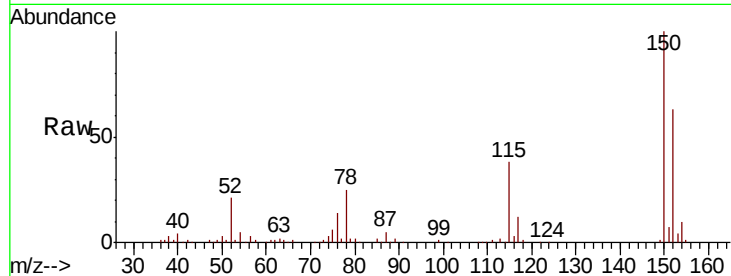
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121223.D
 Acq: 7 Aug 2020 1:42

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-080520

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.6	188.4
115	60.2	46.2	69.2

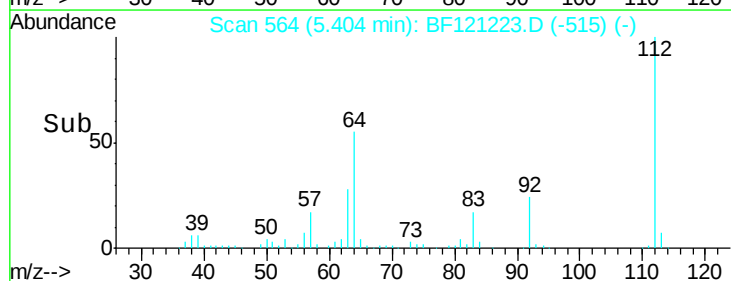
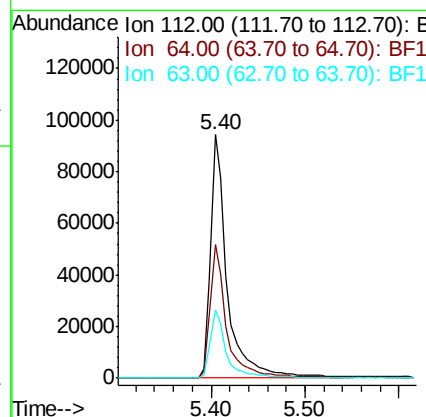
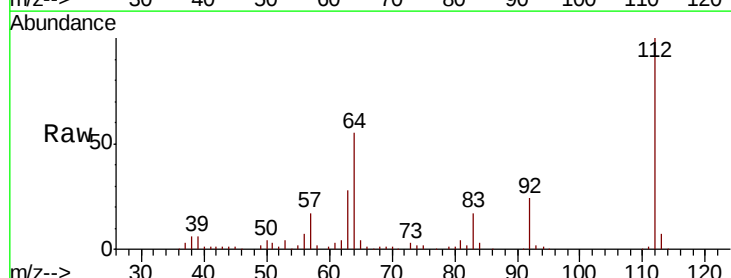
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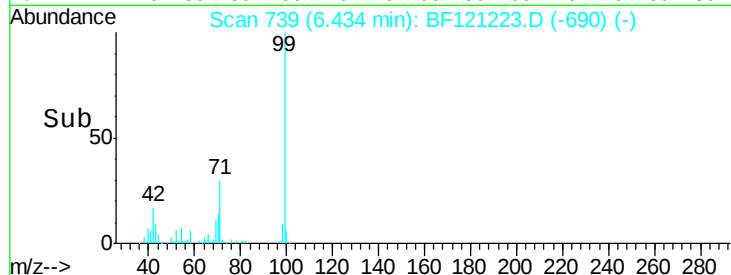
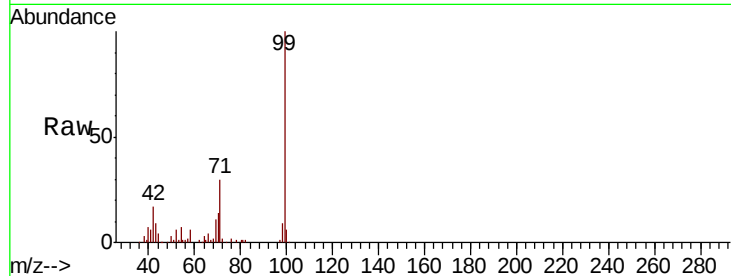
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#5
 2-Fluorophenol
 Concen: 15.403 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121223.D
 Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	43.9	65.9
63	27.8	22.7	34.1





#7

Phenol-d6

Concen: 15.336 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Tot Ion:	99	Resp:	151642
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.5	20.3
71	30.5	25.0	37.4

Instrument :

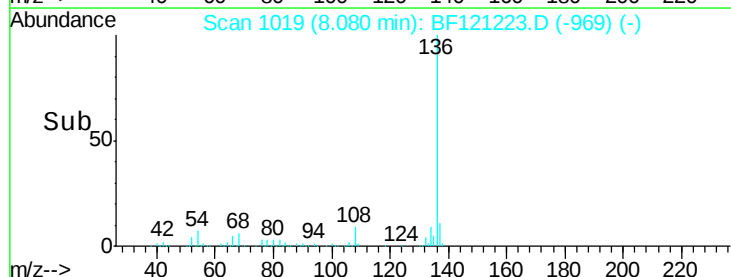
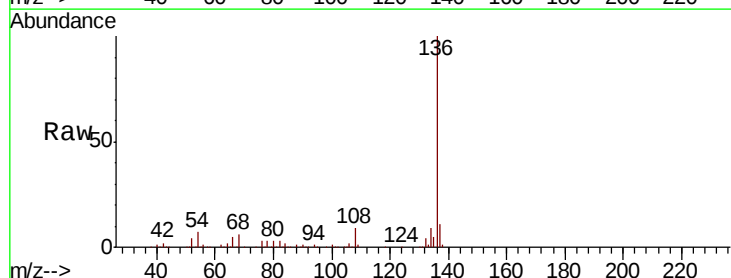
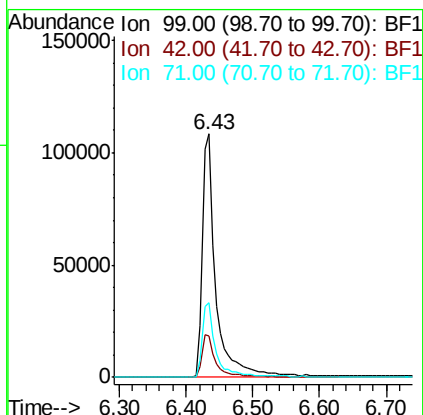
BNA_F

ClientSampled :

OK-03-080520

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#21

Naphthalene-d8

Concen: 20.000 ng

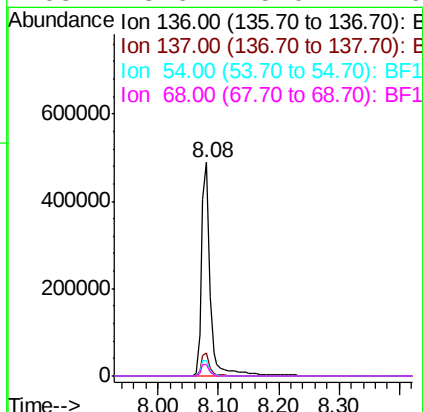
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Tgt Ion:	136	Resp:	495645
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	7.0	6.1	9.1
68	5.6	5.0	7.6





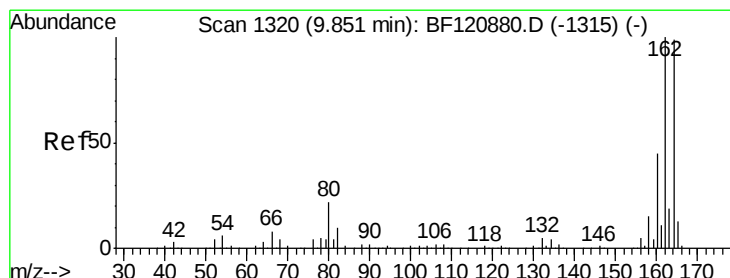
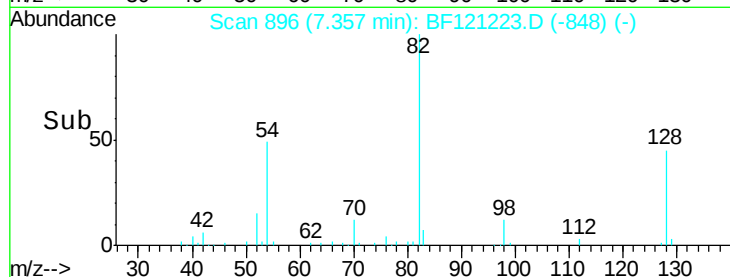
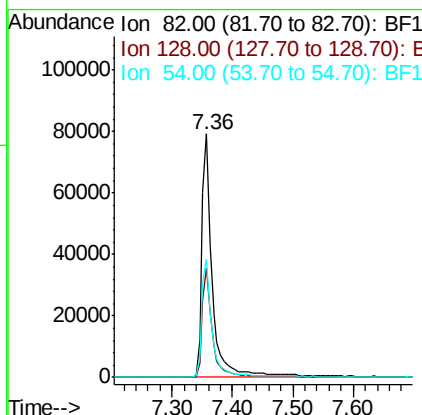
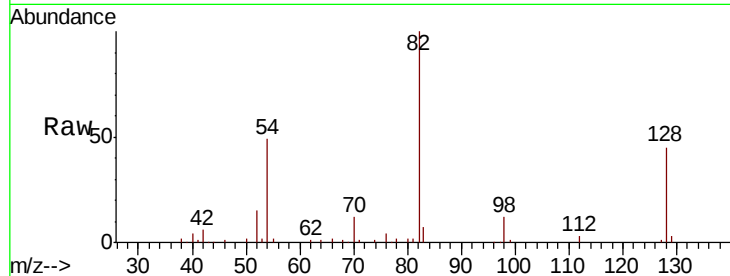
#23
 Nitrobenzene-d5
 Concen: 11.346 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121223.D
 Acq: 7 Aug 2020 1:42

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-080520

Tot Ion:	82	Resp:	97185
Ion Ratio	Lower	Upper	
82	100		
128	45.0	39.2	58.8
54	48.6	37.8	56.8

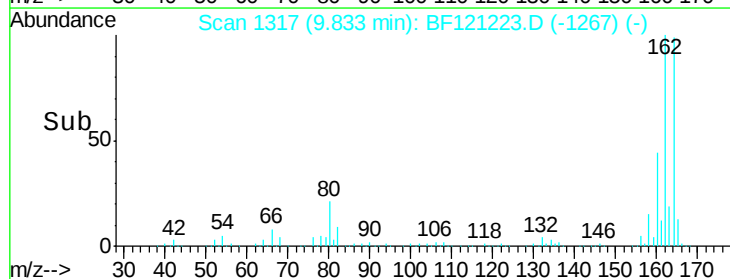
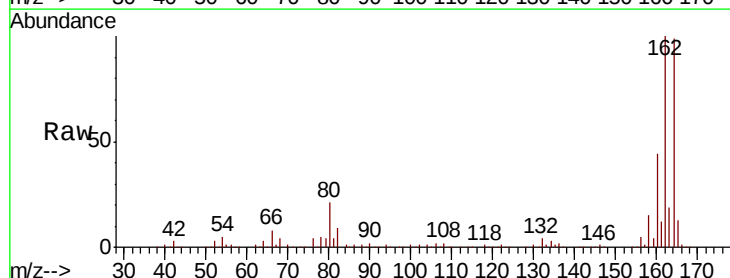
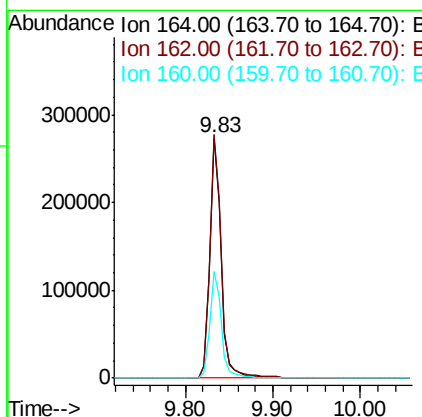
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF121223.D
 Acq: 7 Aug 2020 1:42

Tgt Ion:	164	Resp:	249387
Ion Ratio	Lower	Upper	
164	100		
162	101.4	82.2	123.2
160	44.7	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 14.203 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Instrument :

BNA_F

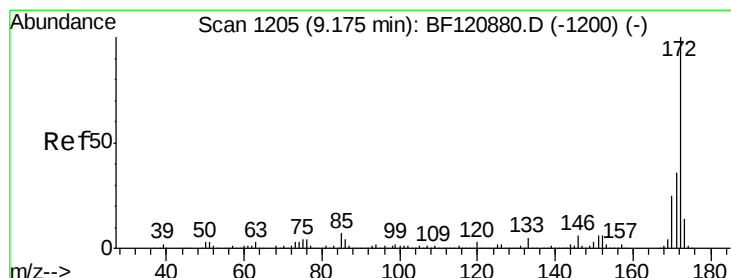
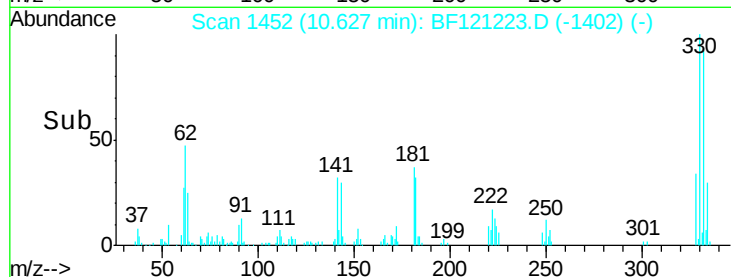
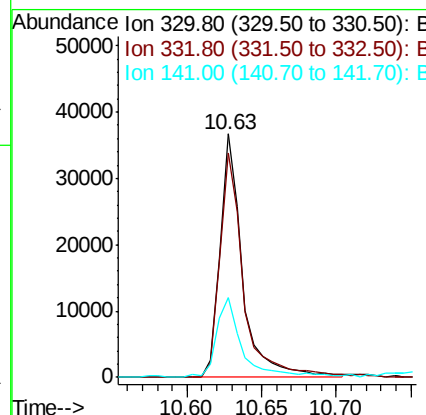
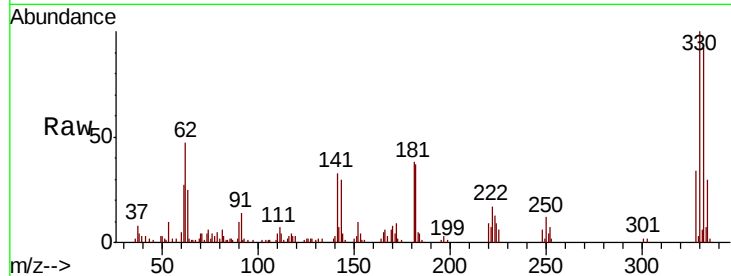
ClientSampleId :

OK-03-080520

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.1	114.1
141	37.8	24.1	36.1

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#45

2-Fluorobiphenyl

Concen: 12.734 ng

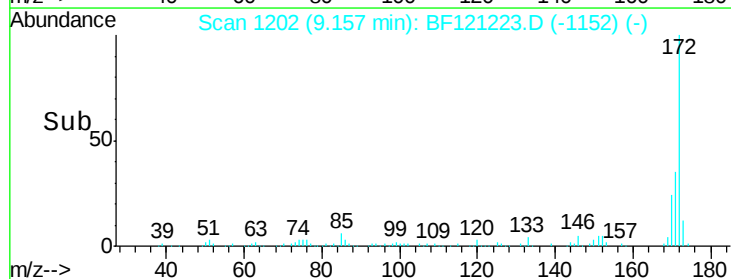
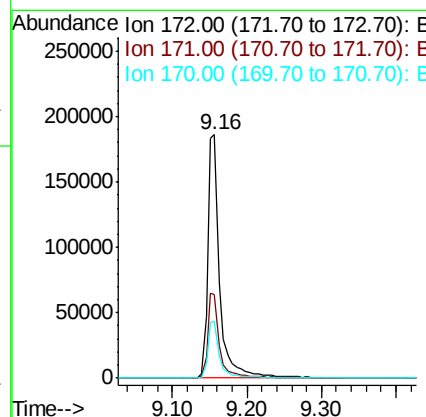
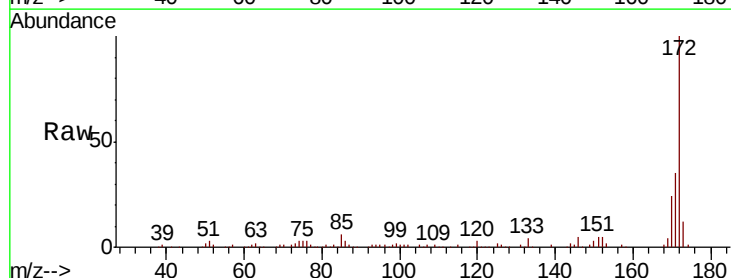
RT: 9.16 min Scan# 1202

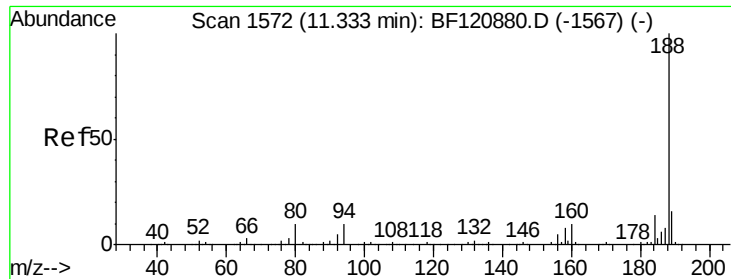
Delta R.T. -0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.4
170	23.6	19.6	29.4





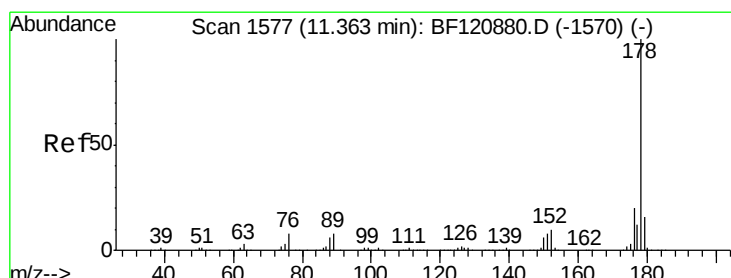
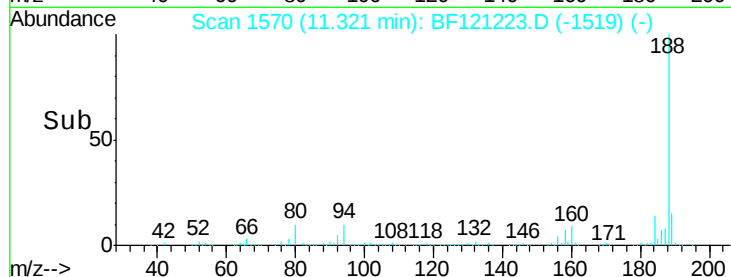
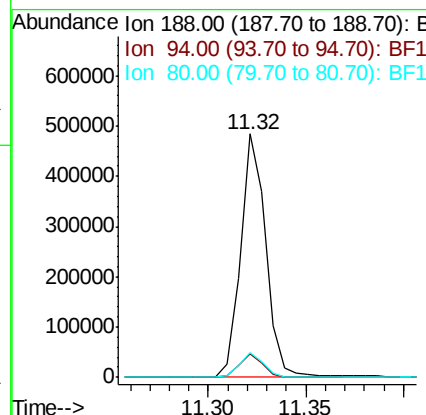
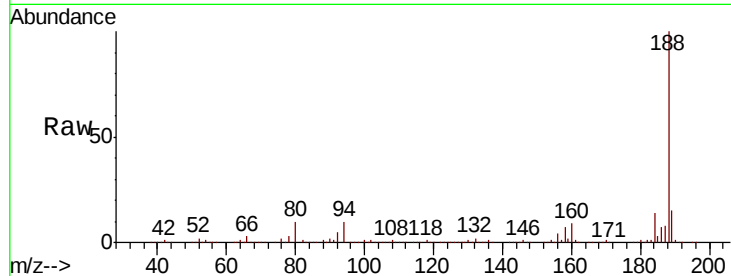
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Instrument :
BNA_F
ClientSampleId :
OK-03-080520

Tot Ion	Ratio	Resp	Lower	Upper
188	100	431640		
94	9.8	8.0	12.0	
80	10.2	8.3	12.5	

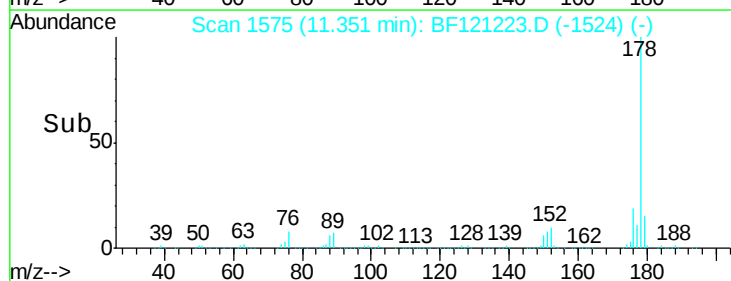
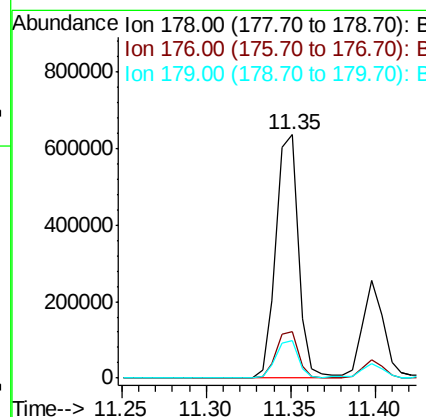
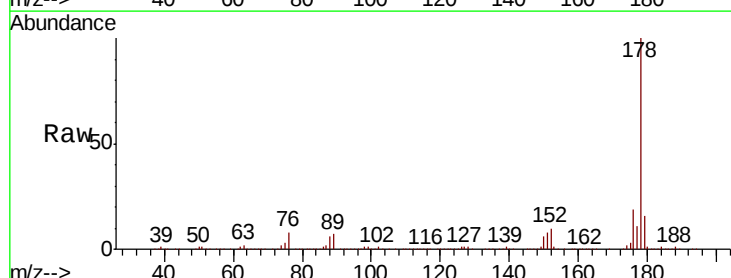
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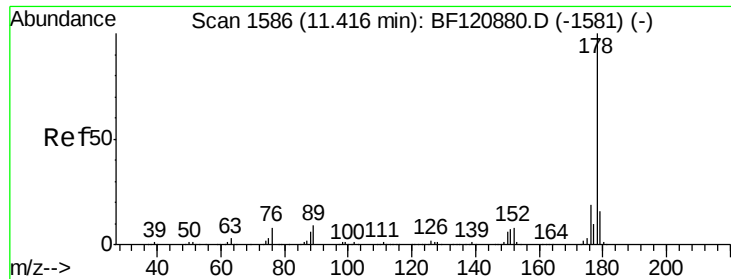
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#71
Phenanthrene
Concen: 26.626 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	591079		
176	19.3	16.2	24.2	
179	15.5	12.6	19.0	





#72

Anthracene

Concen: 10.587 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Instrument :

BNA_F

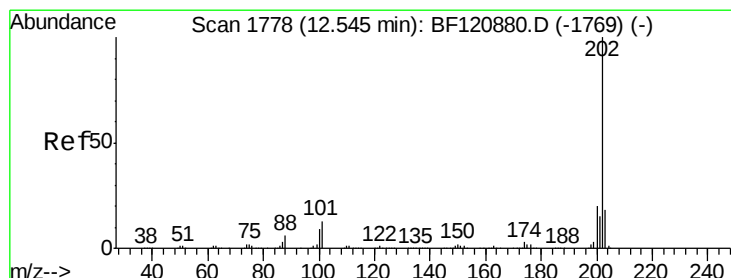
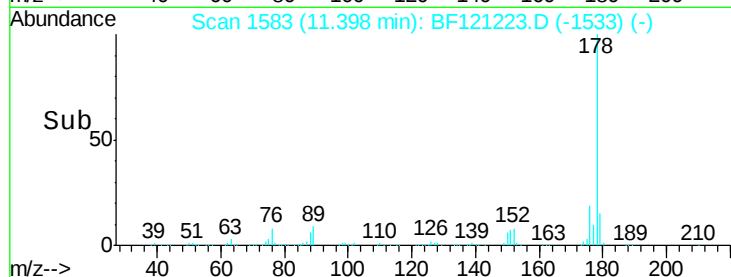
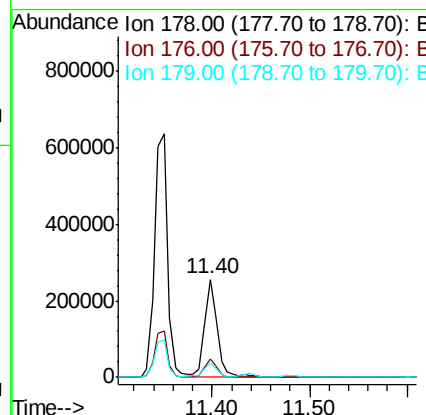
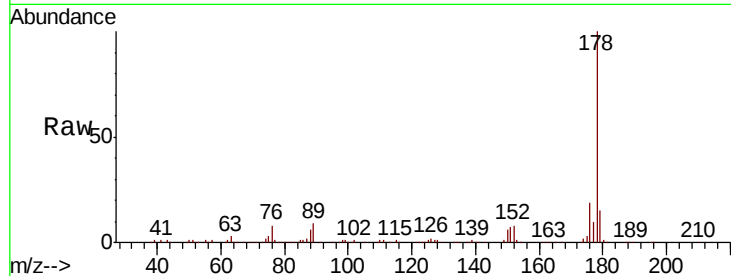
ClientSampleId :

OK-03-080520

Tot Ion:	178	Resp:	235989
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.8
179	15.1	12.6	19.0

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#75

Fluoranthene

Concen: 46.846 ng

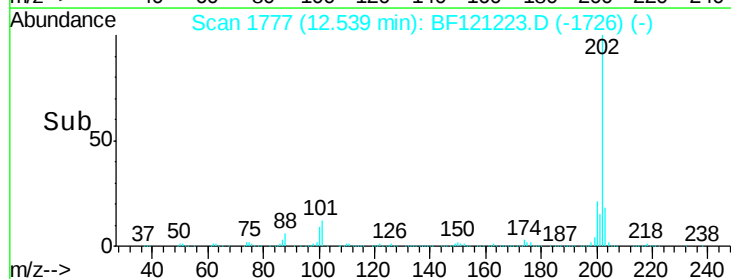
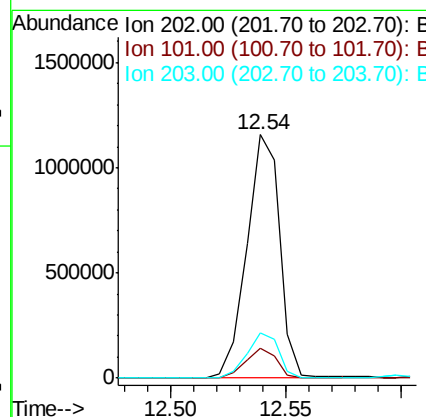
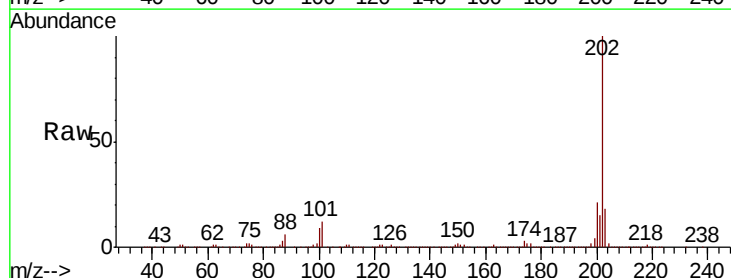
RT: 12.54 min Scan# 1777

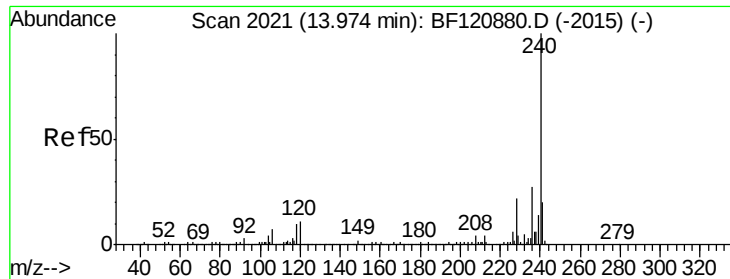
Delta R.T. -0.00 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Tgt Ion:	202	Resp:	1152716
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	30.5
203	18.5	0.0	37.7





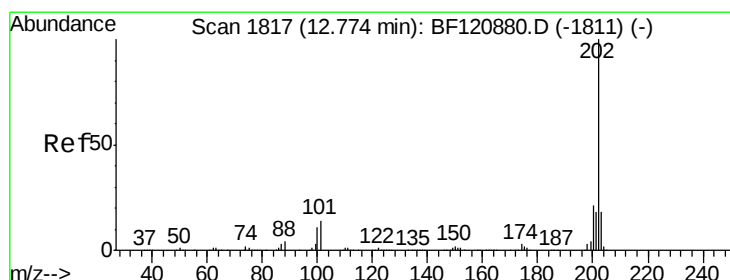
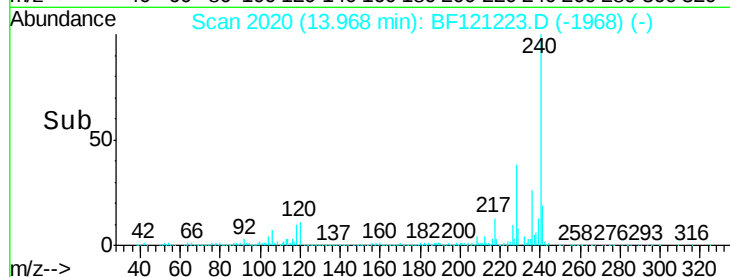
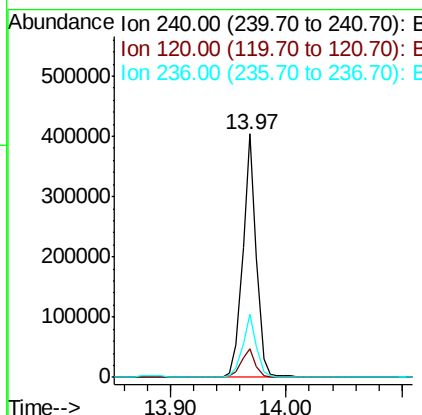
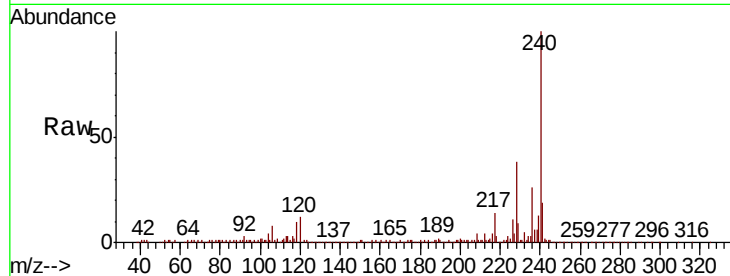
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Instrument :
BNA_F
ClientSampleID :
OK-03-080520

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.3	13.9
236	26.1	21.1	31.7

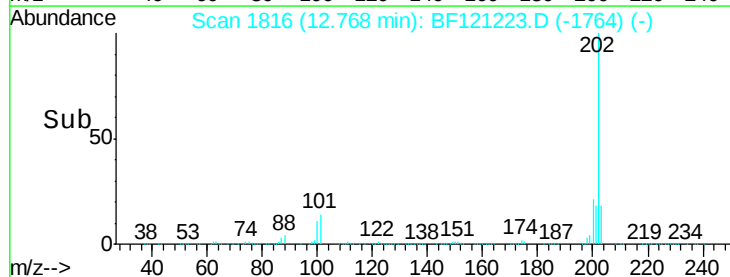
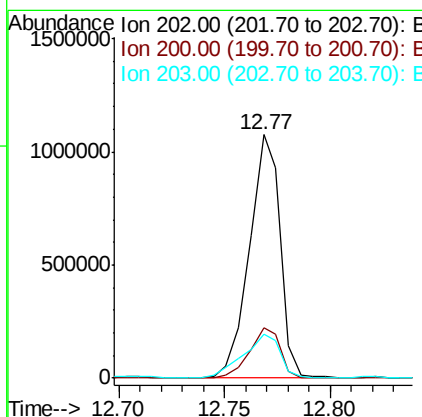
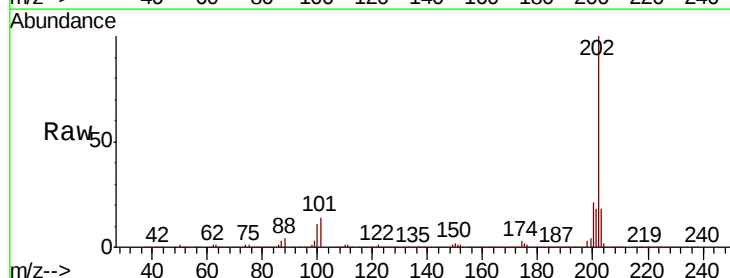
Manual Integrations
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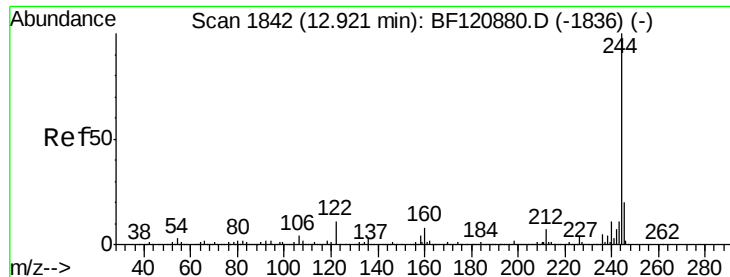
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#78
Pyrene
Concen: 47.295 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	18.2	14.6	21.8





#79

Terphenyl-d14

Concen: 12.580 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Instrument :

BNA_F

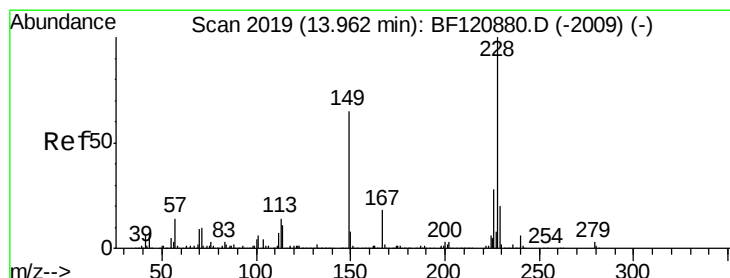
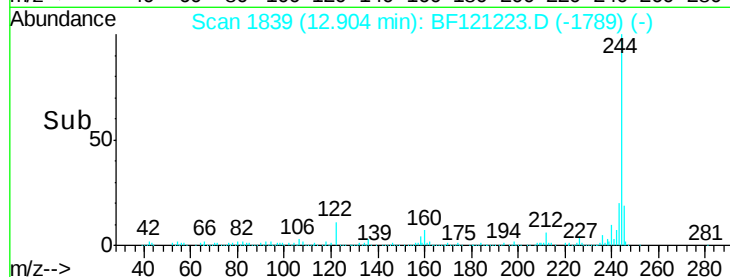
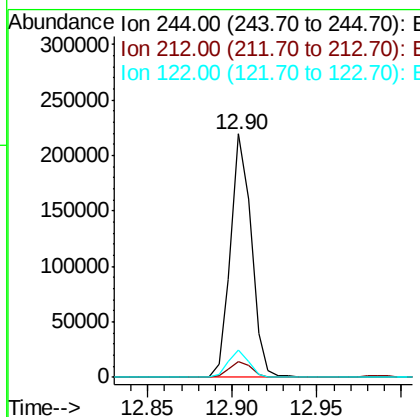
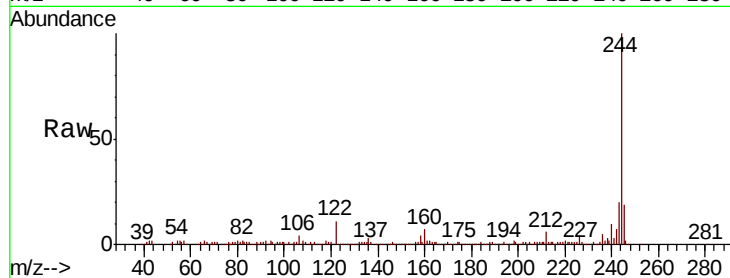
ClientSampleId :

OK-03-080520

Tot Ion:	244	Resp:	187983
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.7	8.5
122	11.4	8.3	12.5

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#81

Benzo(a)anthracene

Concen: 34.754 ng

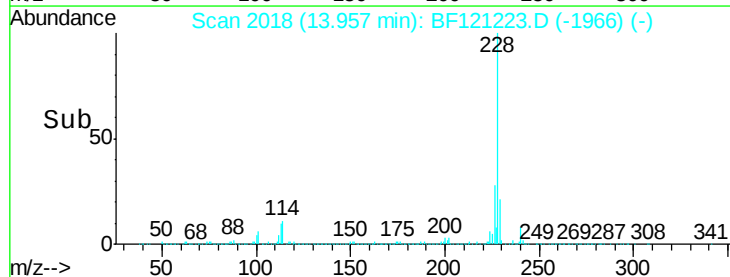
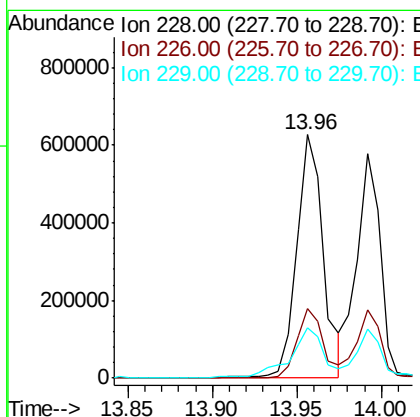
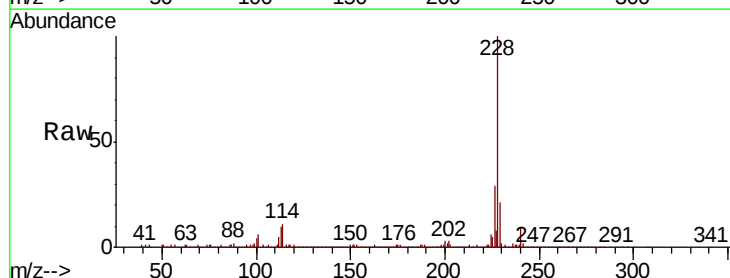
RT: 13.96 min Scan# 2018

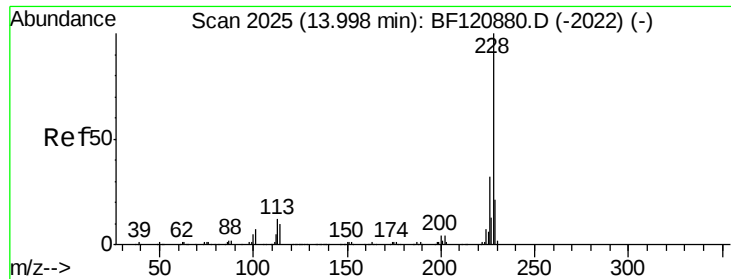
Delta R.T. 0.01 min

Lab File: BF121223.D

Acq: 7 Aug 2020 1:42

Tgt Ion:	228	Resp:	683612
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	34.0
229	20.9	16.1	24.1





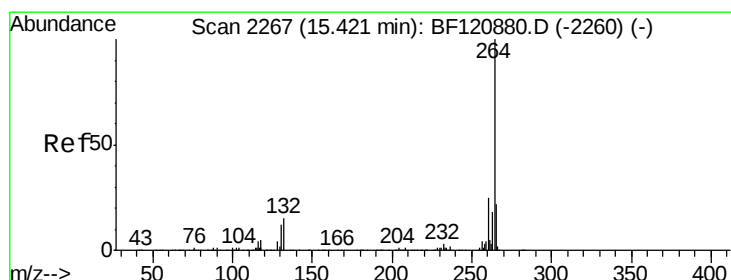
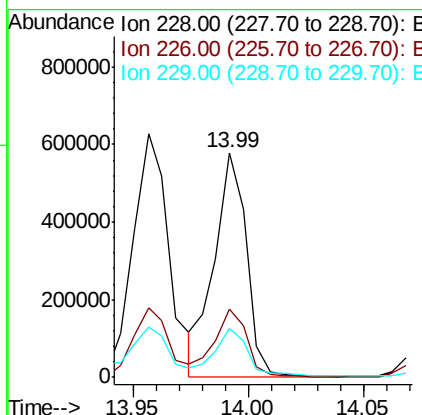
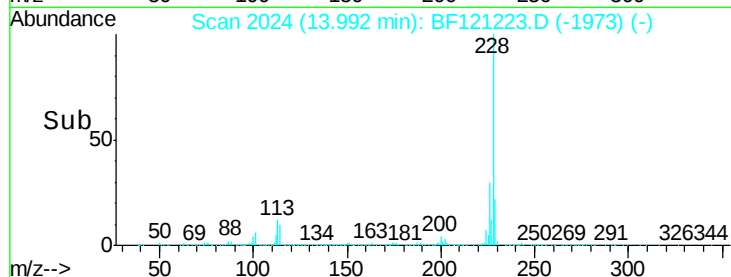
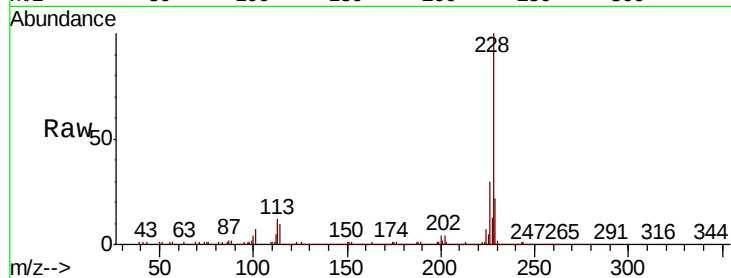
#83
Chrysene
Concen: 26.975 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Instrument :
BNA_F
ClientSampleId :
OK-03-080520

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.2	25.4	38.0		
229	22.0	16.2	24.4		

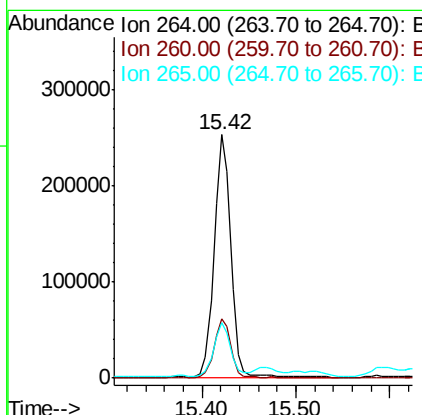
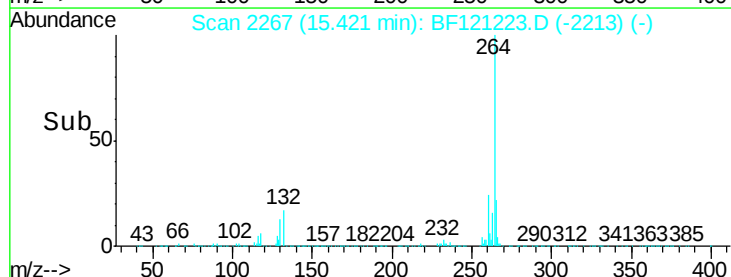
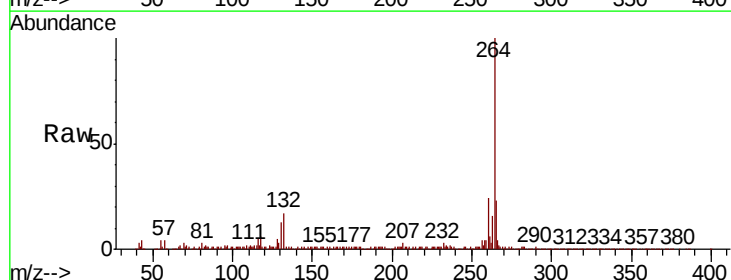
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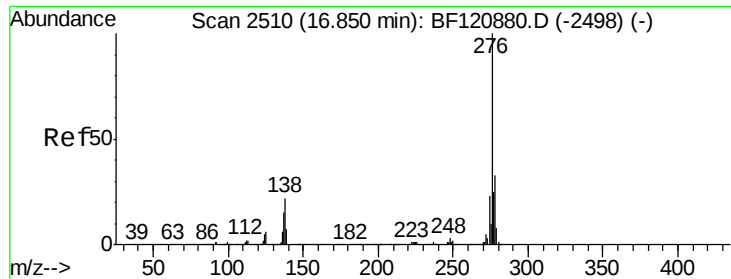
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.4	19.9	29.9		
265	22.8	17.8	26.8		





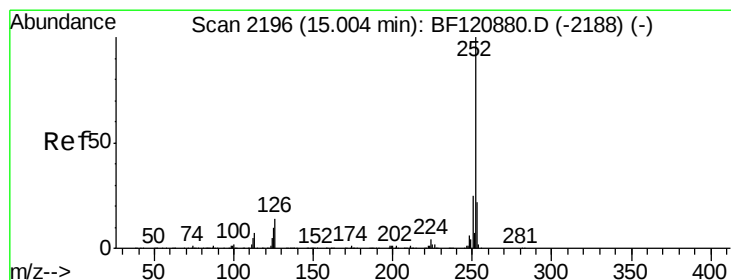
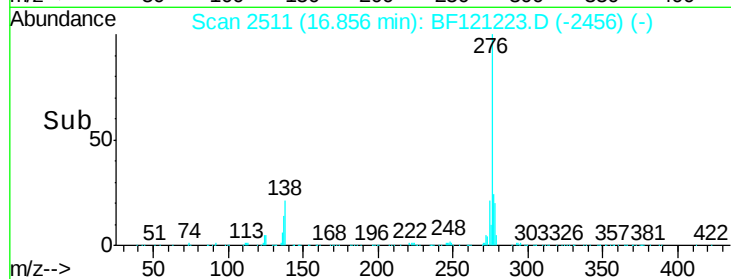
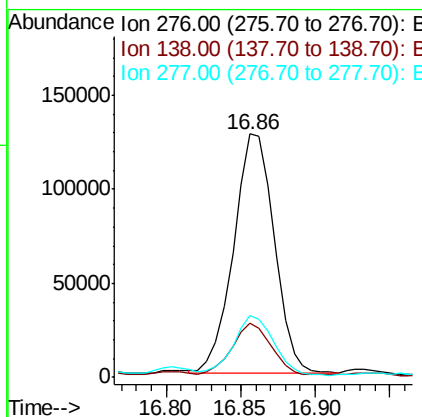
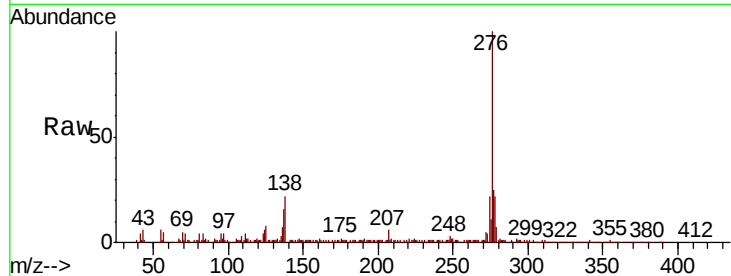
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.905 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121223.D
 Acq: 7 Aug 2020 1:42

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-080520

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.3	28.9
277	24.7	20.1	30.1

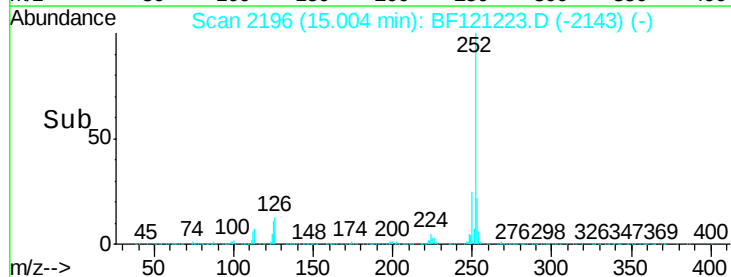
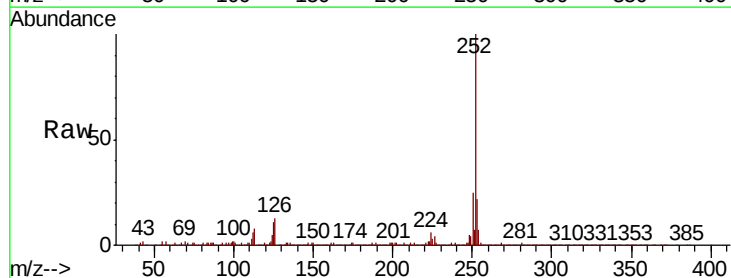
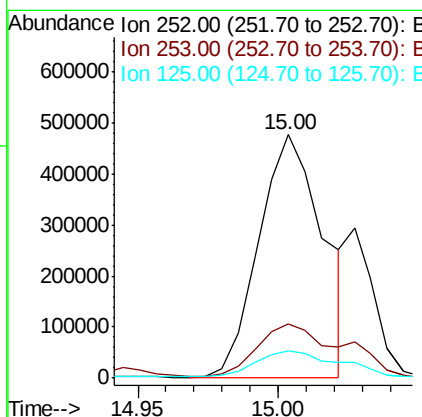
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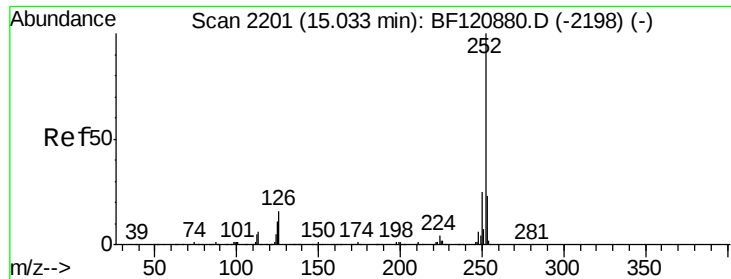
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#88
 Benzo(b)fluoranthene
 Concen: 39.428 ng m
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121223.D
 Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.2	8.1	12.1





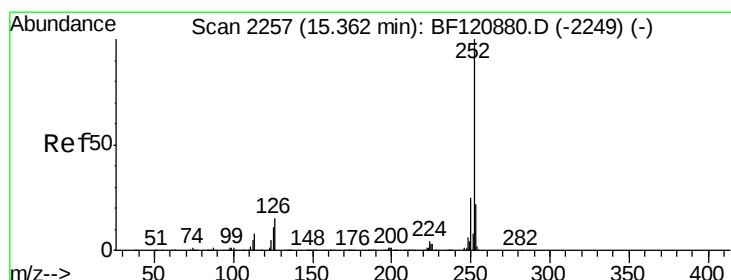
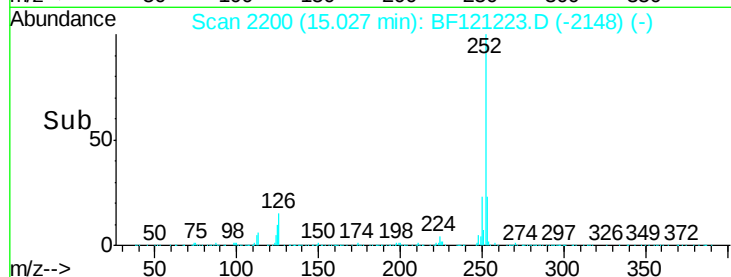
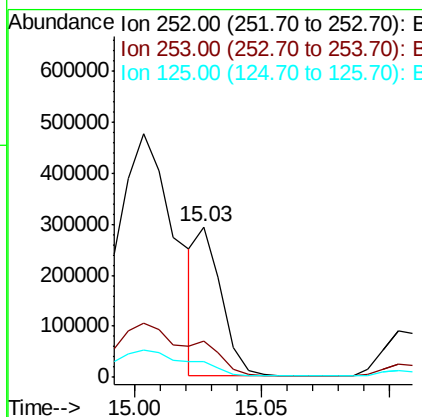
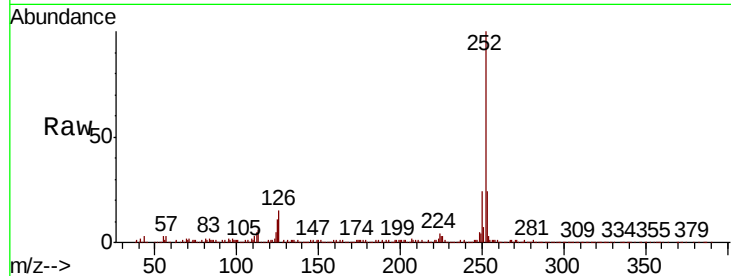
#89
Benzo(k)fluoranthene
Concen: 11.227 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Instrument :
BNA_F
ClientSampleId :
OK-03-080520

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	10.5	8.0	12.0

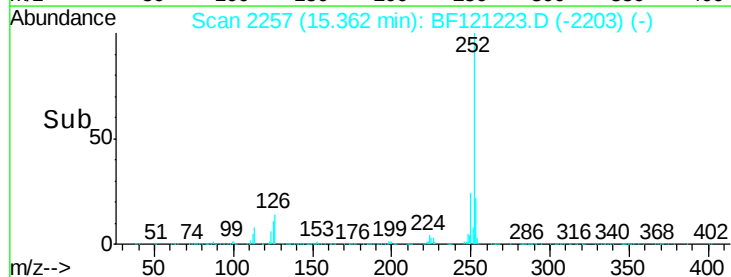
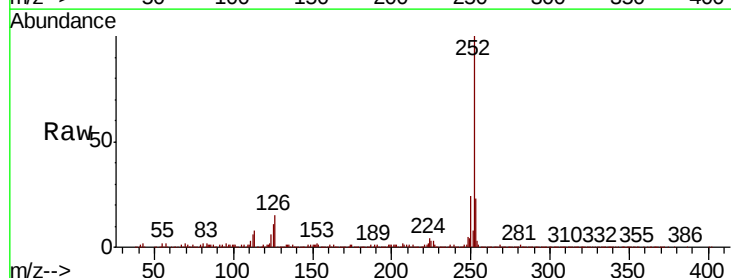
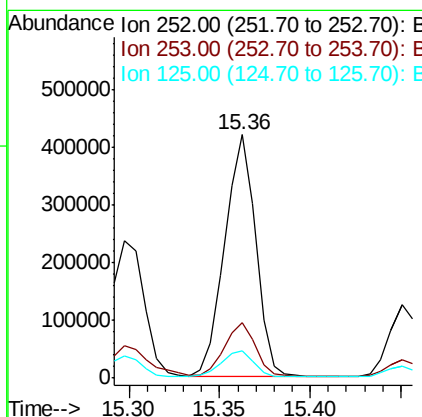
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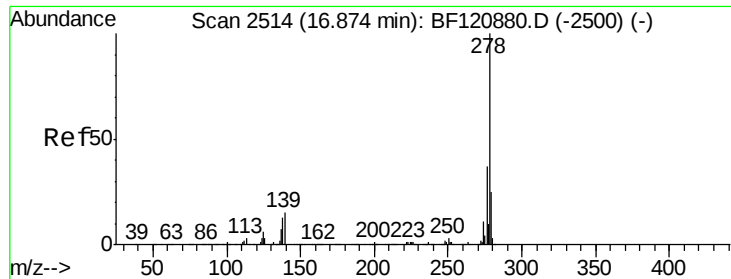
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#90
Benzo(a)pyrene
Concen: 28.833 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.2	9.5	14.3





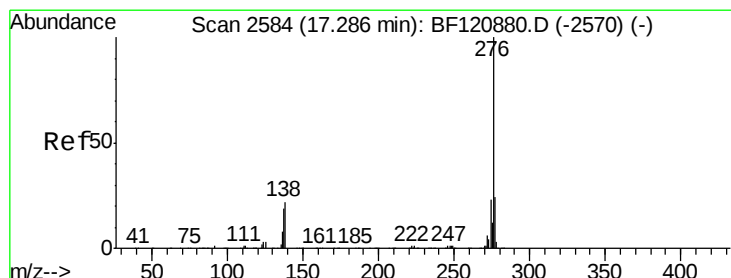
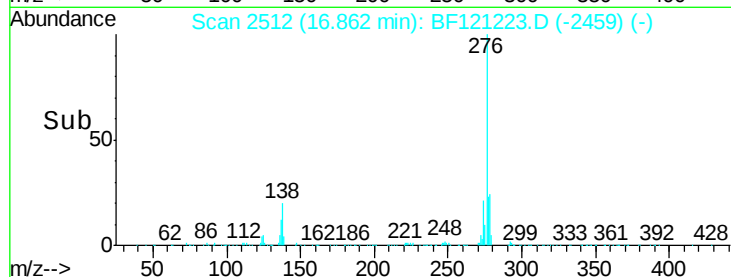
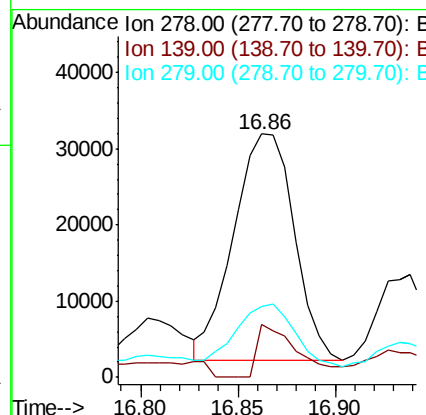
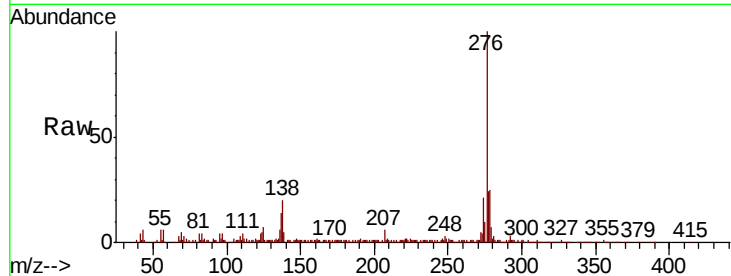
#91
Dibenzo(a,h)anthracene
Concen: 3.585 ng/mL
RT: 16.86 min Scan# 2512
Delta R.T. 0.01 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Instrument :
BNA_F
ClientSampleId :
OK-03-080520

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.9	12.6	18.8
279	29.0	19.5	29.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 11.769 ng/mL
RT: 17.29 min Scan# 2585
Delta R.T. 0.03 min
Lab File: BF121223.D
Acq: 7 Aug 2020 1:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	21.6	17.2	25.8

