

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121112.D
 Acq On : 29 Jul 2020 20:30
 Operator : JU/CG
 Sample : L3436-18 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18

Manual Integrations
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Quant Time: Jul 30 02:06:05 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	6.80	152	155778	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	548361	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	265063	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	441823	20.00	ng	0.00
76) Chrysene-d12	13.96	240	382153	20.00	ng	0.00
86) Perylene-d12	15.42	264	339331	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	154294	16.24	ng	0.00
7) Phenol-d6	6.44	99	186179	15.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	104127	10.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	41328	14.24	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	224337	12.64	ng	0.00
79) Terphenyl-d14	12.91	244	197557	11.24	ng	0.00
Target Compounds						
49) Acenaphthylene	9.70	152	57232	2.235	ng	98
50) Dimethylphthalate	9.56	163	52463	2.744	ng	99
58) Fluorene	10.39	166	46217	2.632	ng	98
71) Phenanthrene	11.35	178	361313	15.901	ng	98
72) Anthracene	11.40	178	133633	5.857	ng	99
75) Fluoranthene	12.54	202	648099	25.732	ng	97
78) Pyrene	12.77	202	661965	24.501	ng	99
81) Benzo(a)anthracene	13.96	228	327432	14.149	ng	95
83) Chrysene	13.99	228	317909	13.072	ng	97
87) Indeno(1,2,3-cd)pyrene	16.84	276	120367	5.100	ng	96
88) Benzo(b)fluoranthene	15.00	252	347182m	16.926	ng	
89) Benzo(k)fluoranthene	15.02	252	96712m	5.170	ng	
90) Benzo(a)pyrene	15.36	252	241192	12.888	ng	97
92) Benzo(a,h,i)perylene	17.28	276	111244	5.853	ng	96

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

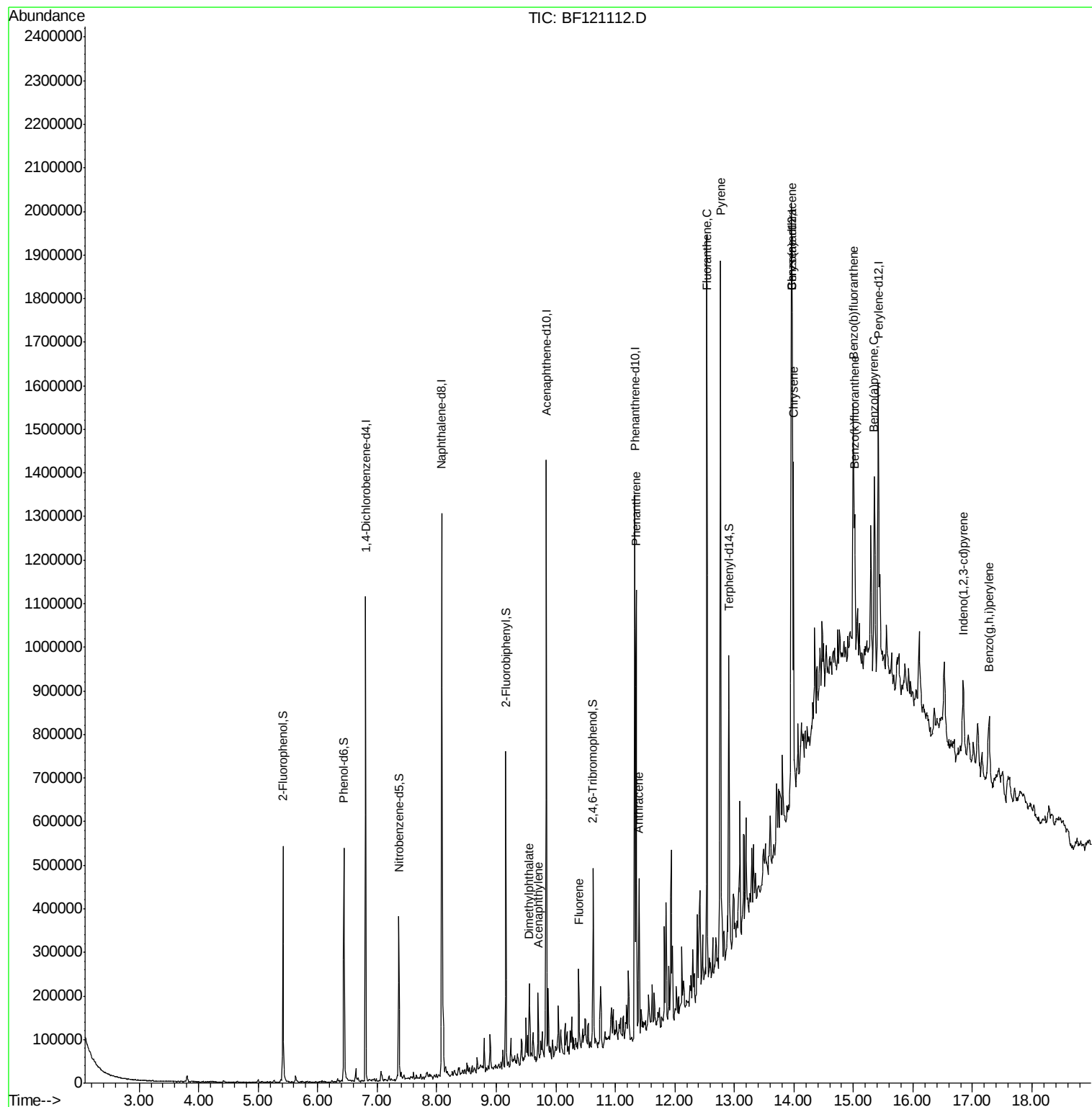
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
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Misc :
ALS Vial : 12 Sample Multiplier: 1

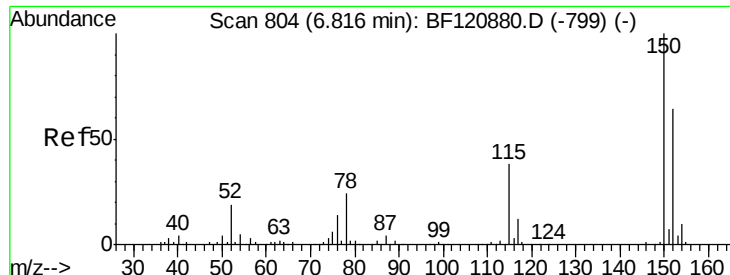
Instrument :
BNA_F
ClientSampled :
18

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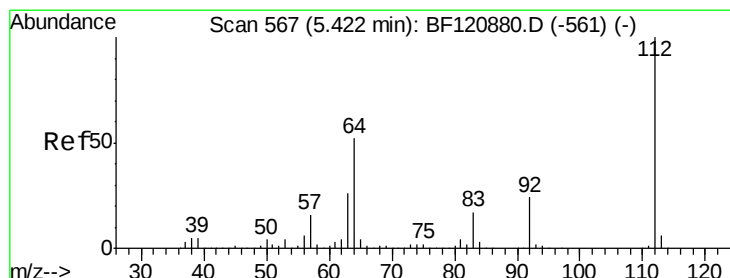
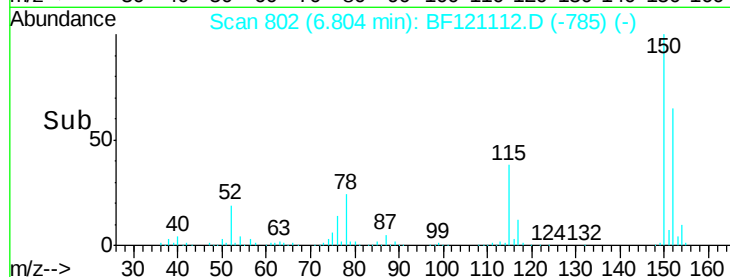
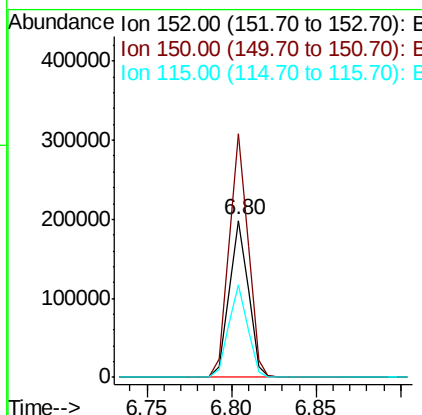
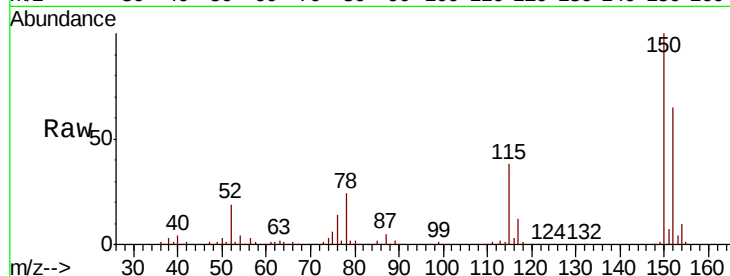
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Instrument :
 BNA_F
 ClientSampled :
 18

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.6	188.4
115	58.7	46.2	69.2

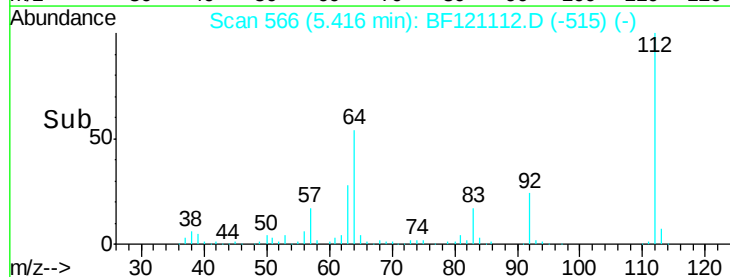
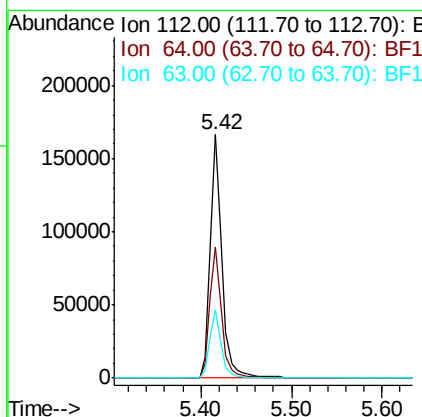
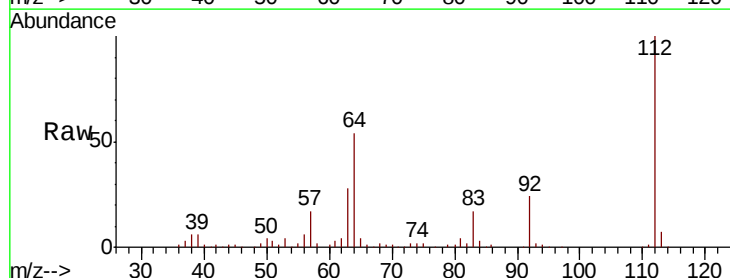
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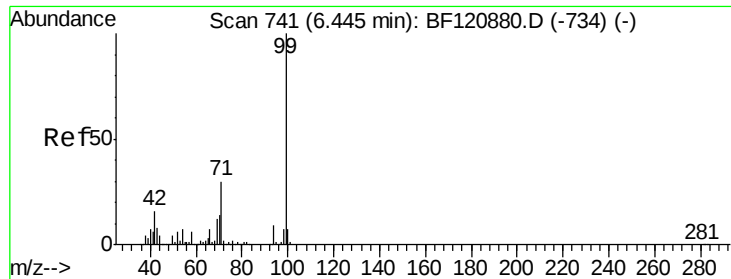
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#5
 2-Fluorophenol
 Concen: 16.237 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.9	65.9
63	28.0	22.7	34.1





#7

Phenol-d6

Concen: 15.168 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

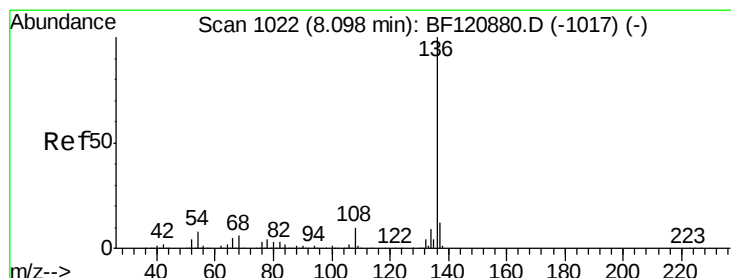
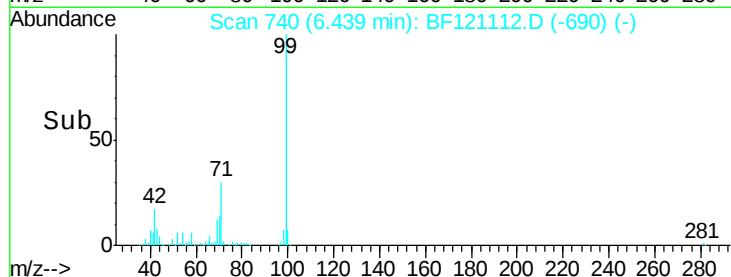
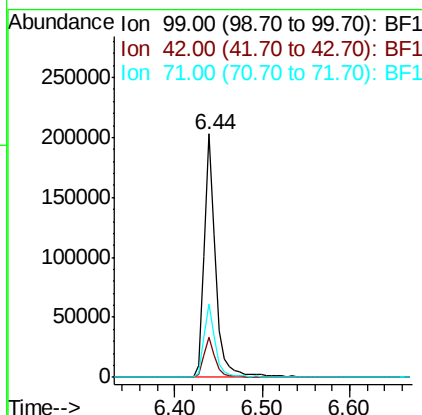
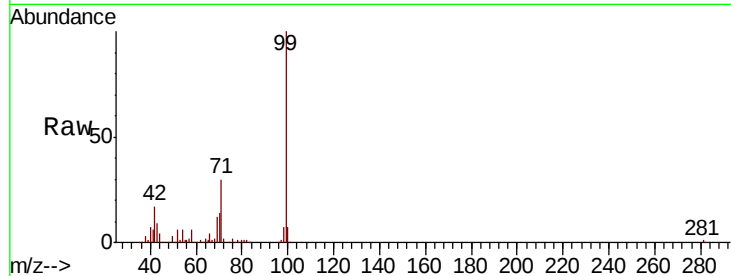
ClientSampled :

18

Tot Ion:	99	Resp:	186179
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	30.3	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

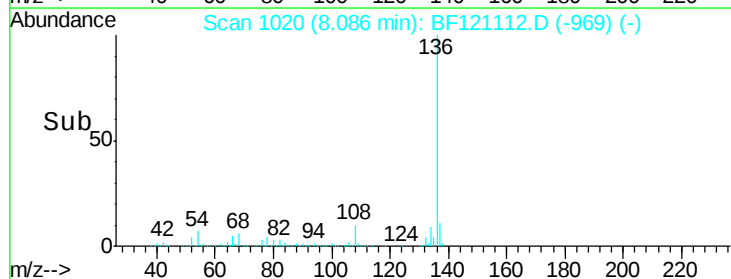
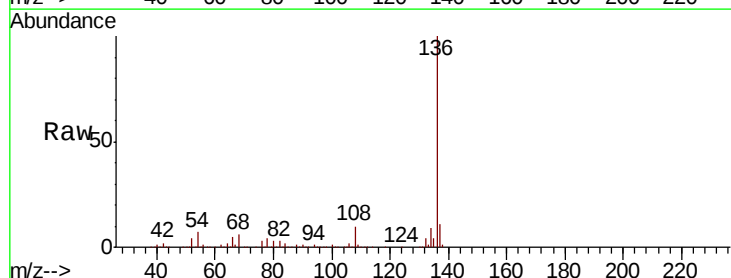
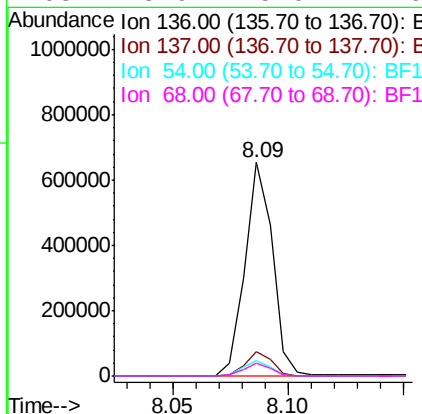
RT: 8.09 min Scan# 1020

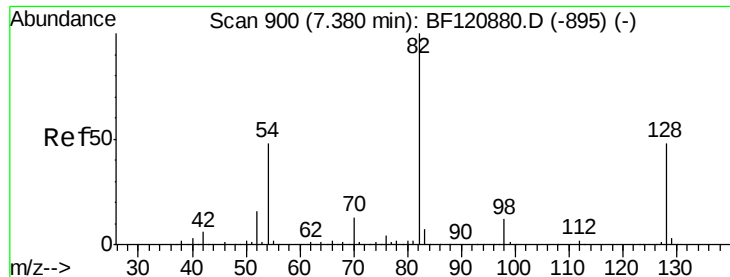
Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Tgt Ion:	136	Resp:	548361
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.4	6.1	9.1
68	5.9	5.0	7.6





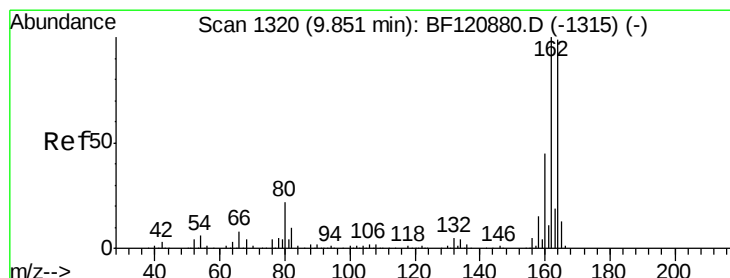
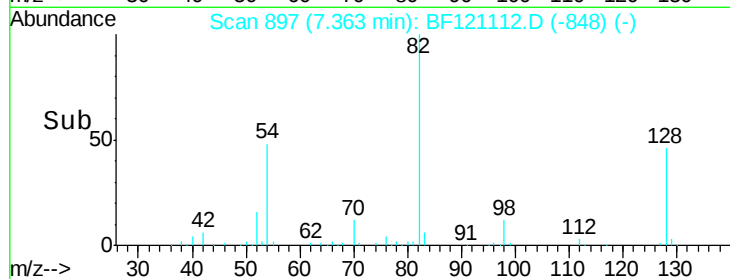
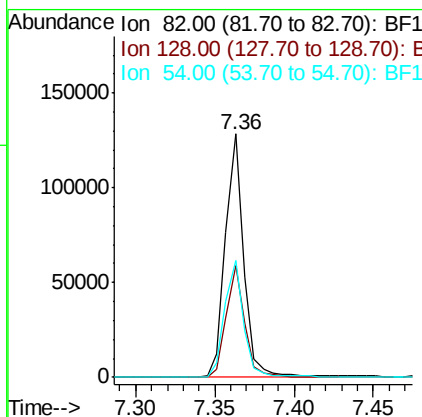
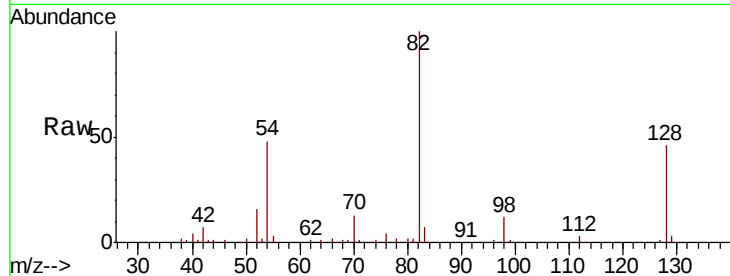
#23
Nitrobenzene-d5
Concen: 10.987 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampleId :
18

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	39.2	58.8
54	48.1	37.8	56.8

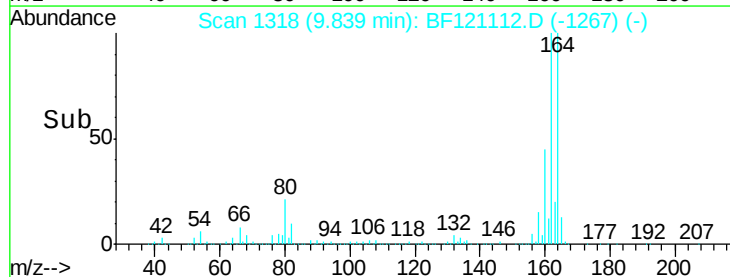
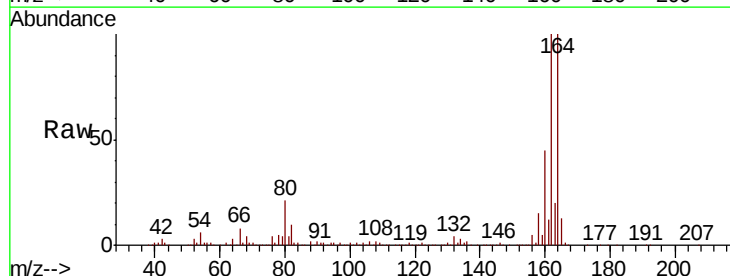
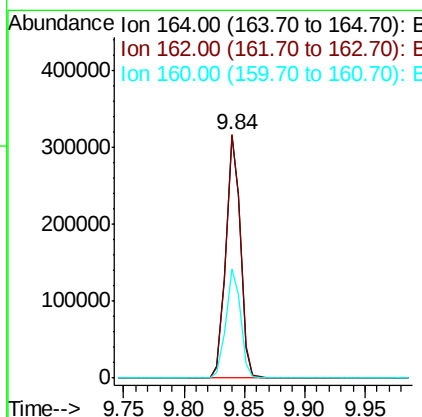
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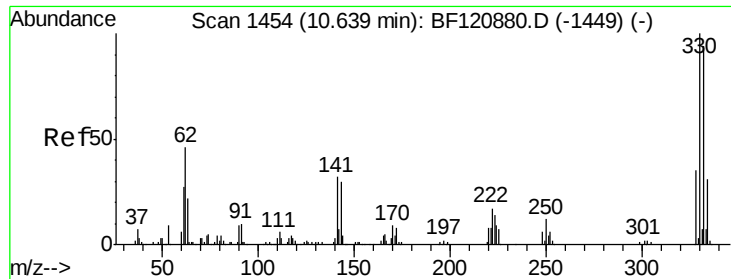
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.2
160	44.9	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 14.244 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

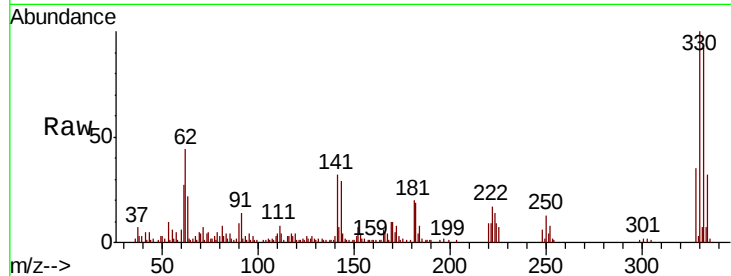
ClientSampleId :

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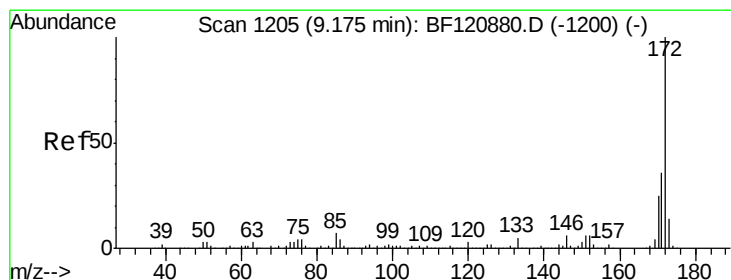
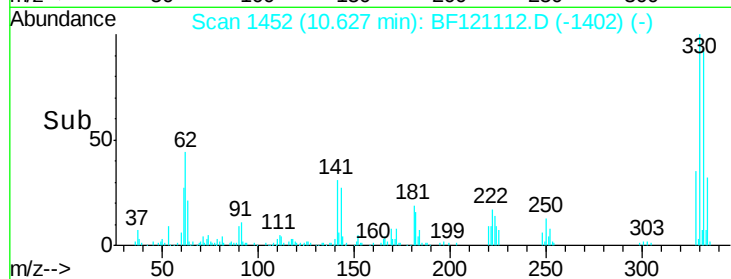
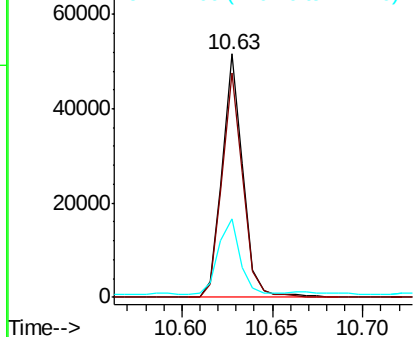
Tot Ion:	330	Resp:	41328
Ion Ratio	Lower	Upper	
330	100		
332	92.3	76.1	114.1
141	31.6	24.1	36.1

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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: 12.636 ng

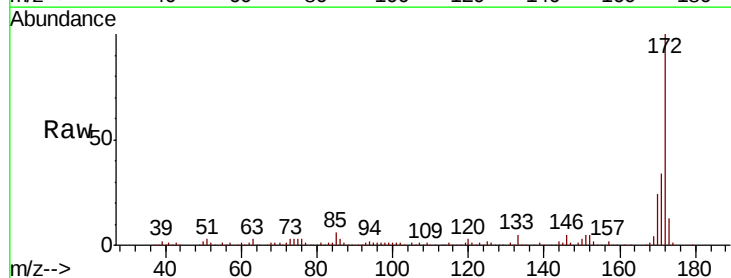
RT: 9.16 min Scan# 1203

Delta R.T. -0.00 min

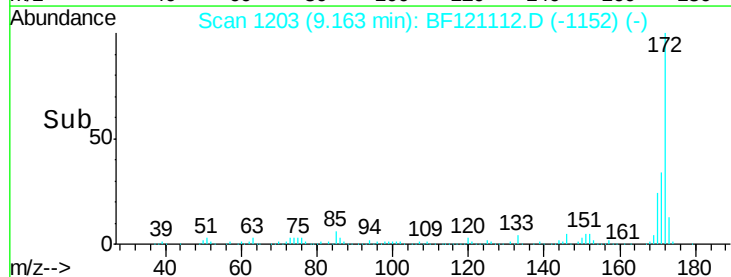
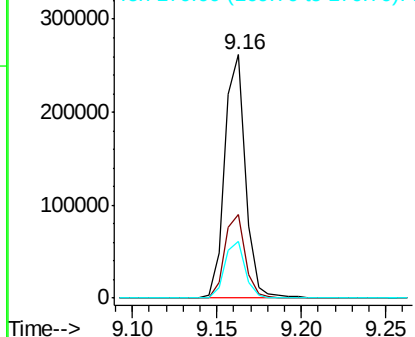
Lab File: BF121112.D

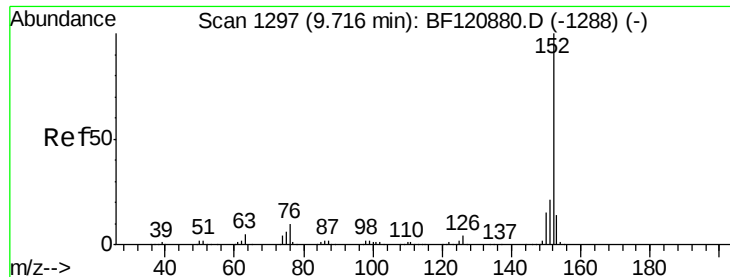
Acq: 29 Jul 2020 20:30

Tgt Ion:	172	Resp:	224337
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.0	43.4
170	23.5	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: 2.235 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

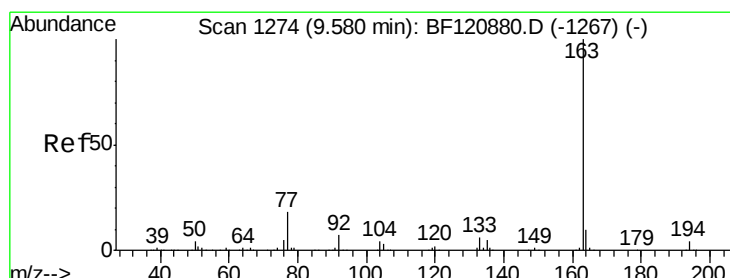
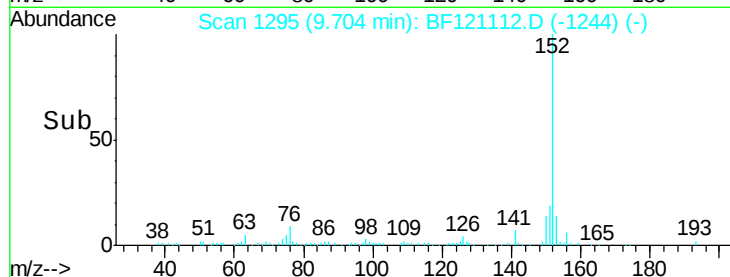
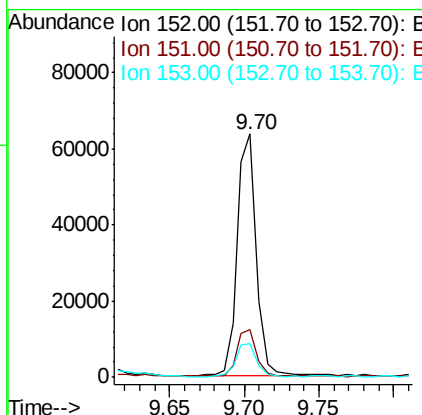
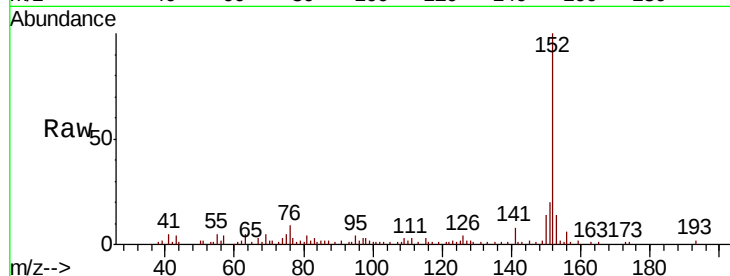
ClientSampleId :

18

Tot Ion:	152	Resp:	57232
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.6	25.0
153	13.9	11.0	16.4

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#50

Dimethylphthalate

Concen: 2.744 ng

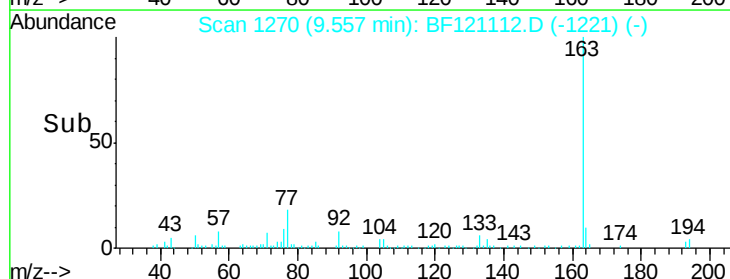
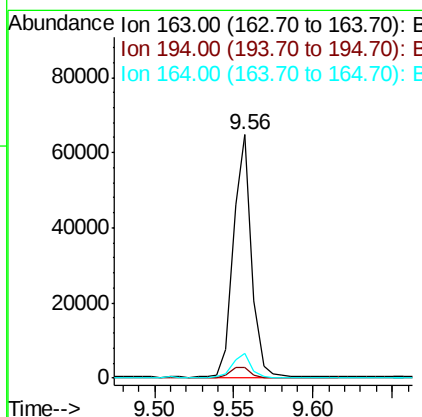
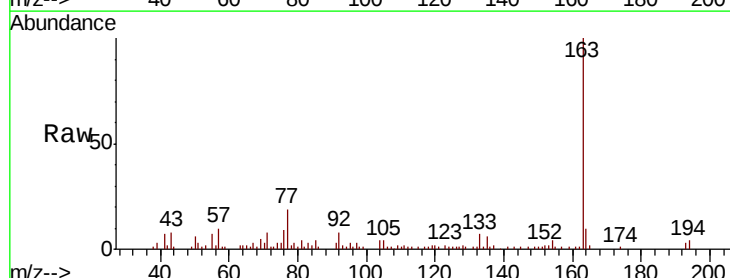
RT: 9.56 min Scan# 1270

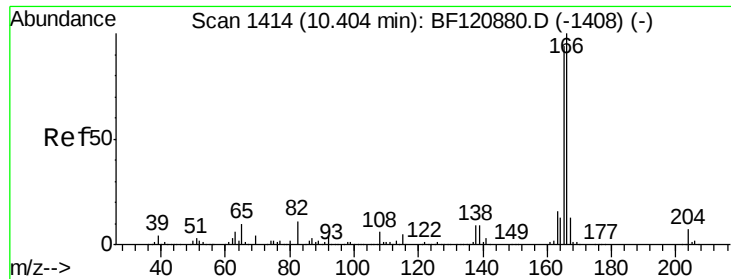
Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Tgt Ion:	163	Resp:	52463
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.4
164	10.3	8.4	12.6





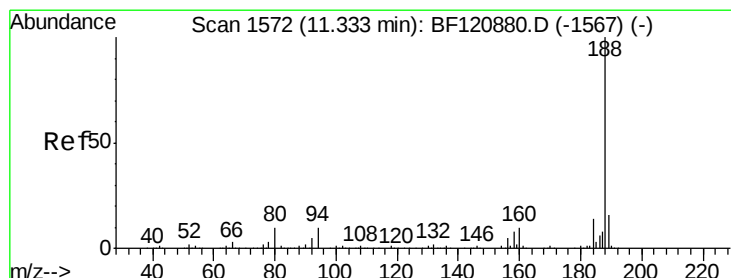
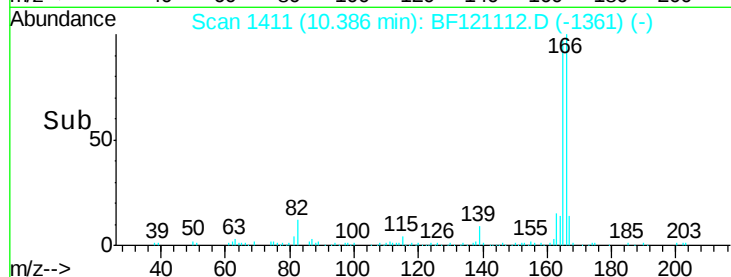
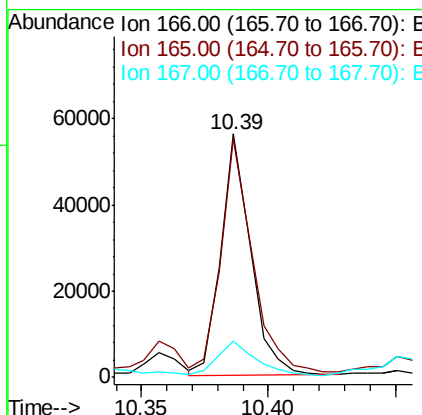
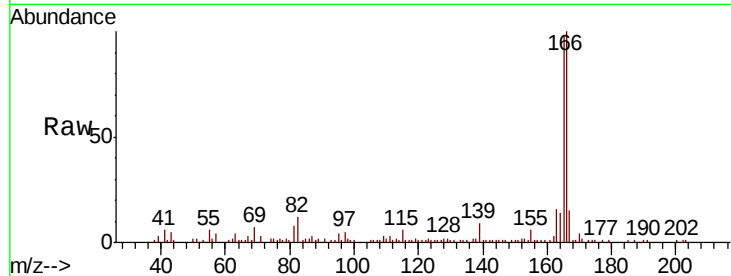
#58
 Fluorene
 Concen: 2.632 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Instrument :
 BNA_F
 ClientSampleId :
 18

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	76.4	114.6
167	14.9	10.7	16.1

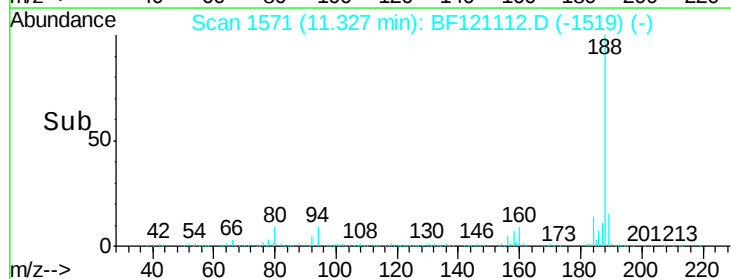
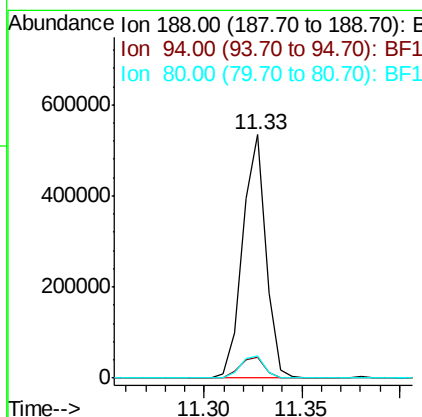
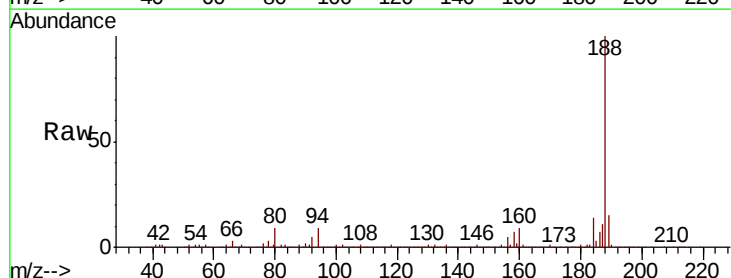
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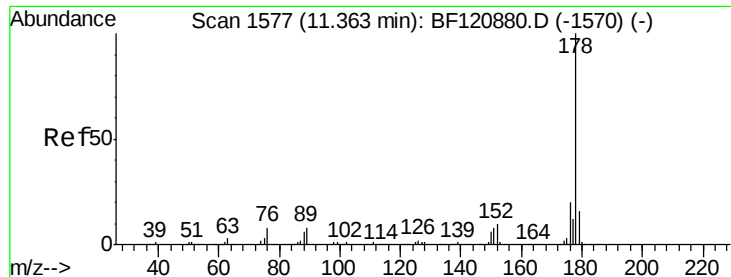
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.0	12.0
80	9.1	8.3	12.5





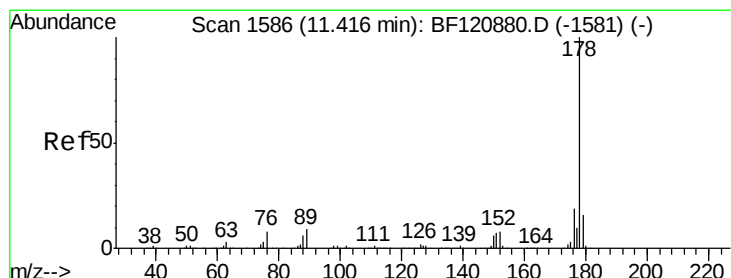
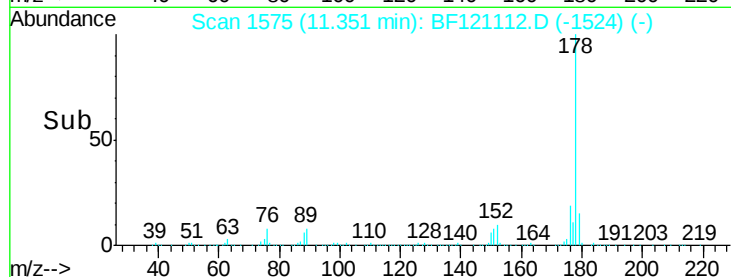
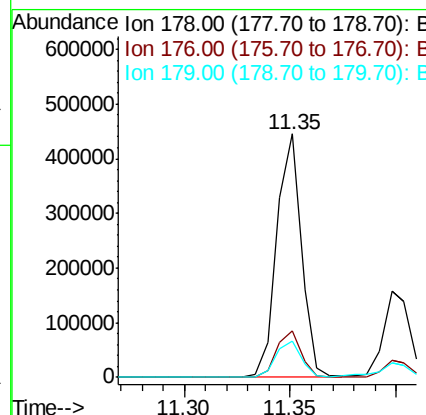
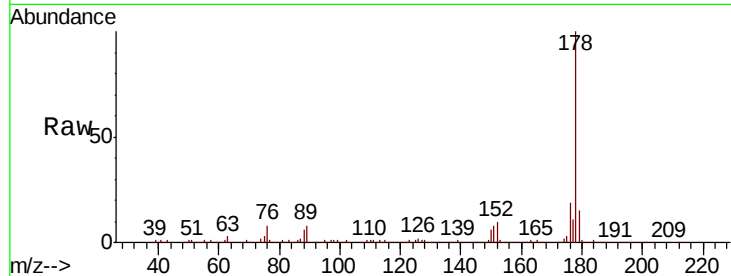
#71
Phenanthrene
Concen: 15.901 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampleId :
18

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	15.1	12.6	19.0

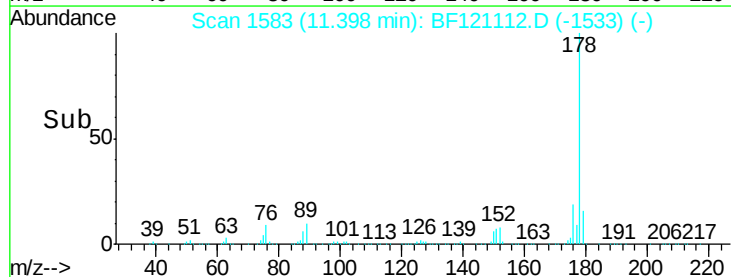
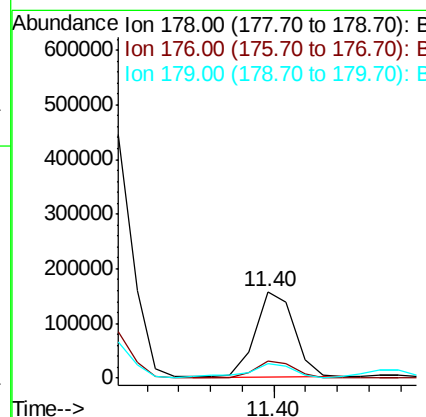
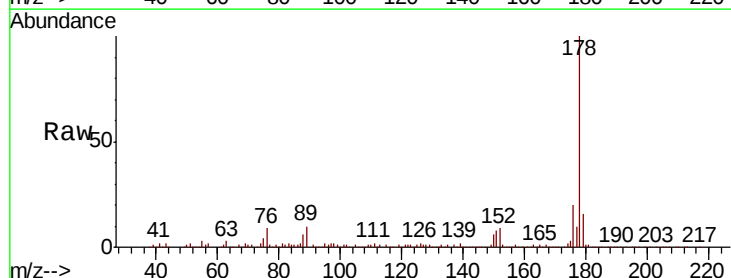
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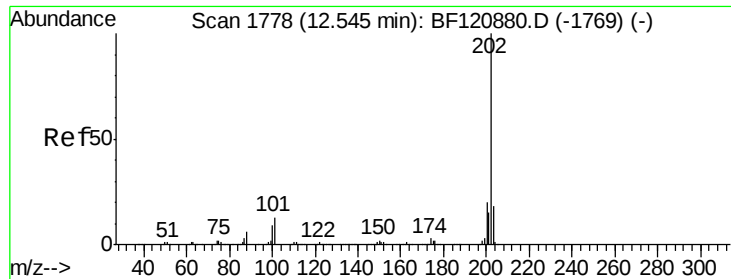
mohammad
7/30/2020 3:33:55 PM



#72
Anthracene
Concen: 5.857 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.2	12.6	19.0





#75

Fluoranthene

Concen: 25.732 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

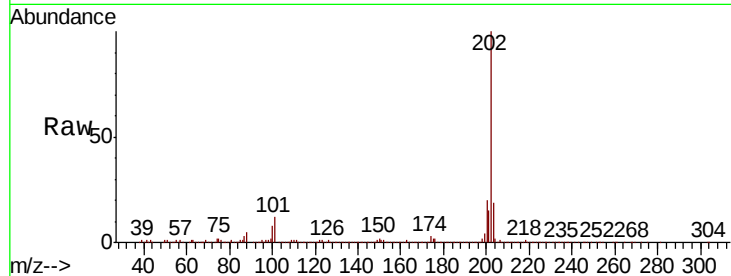
ClientSampled :

18

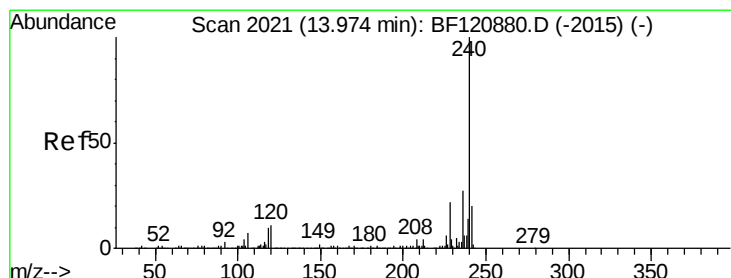
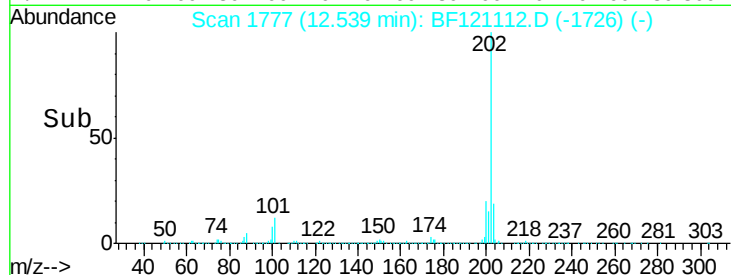
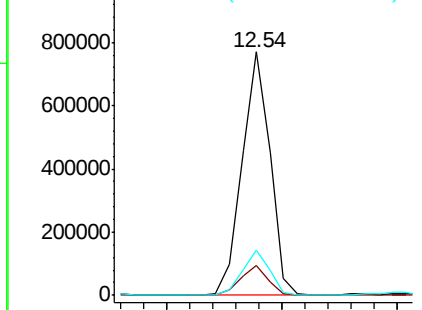
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		648099		
101	12.0	0.0	30.5		
203	18.6	0.0	37.7		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

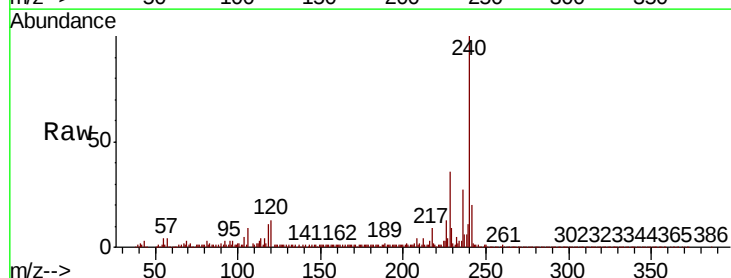
RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

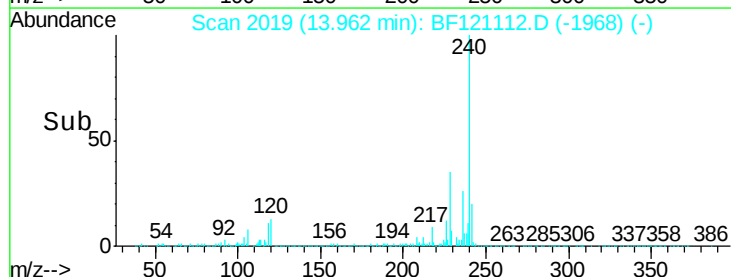
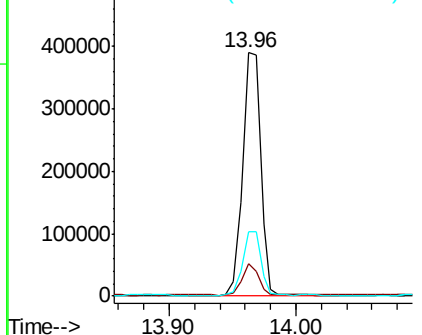
Lab File: BF121112.D

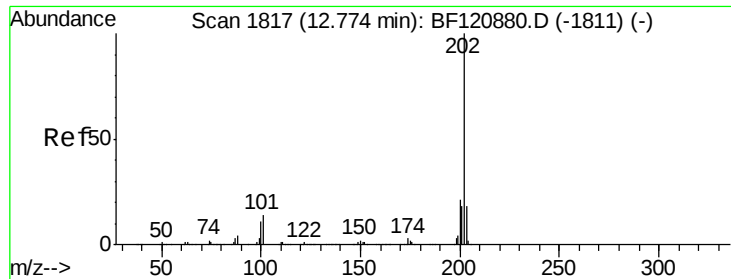
Acq: 29 Jul 2020 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		382153		
120	13.2	9.3	13.9		
236	26.7	21.1	31.7		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





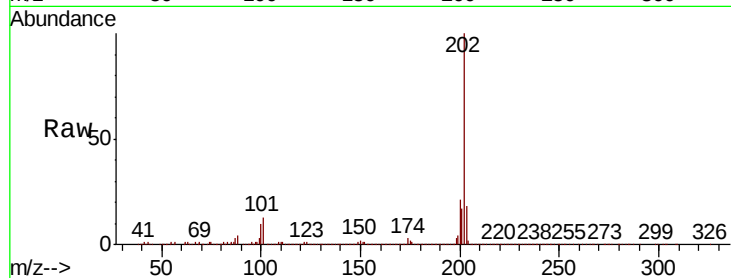
#78
Pvrene
Concen: 24.501 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampled :
18

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	17.7	14.6	21.8

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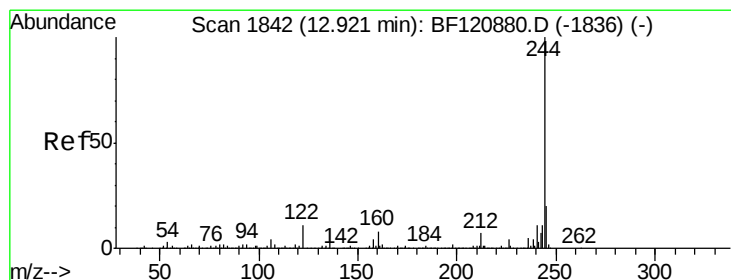
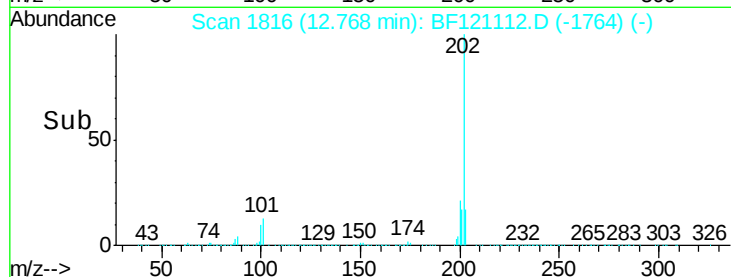
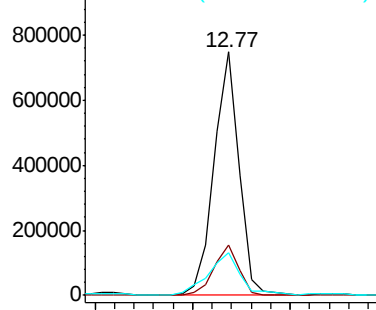


Abundance

Ion 202.00 (201.70 to 202.70): E

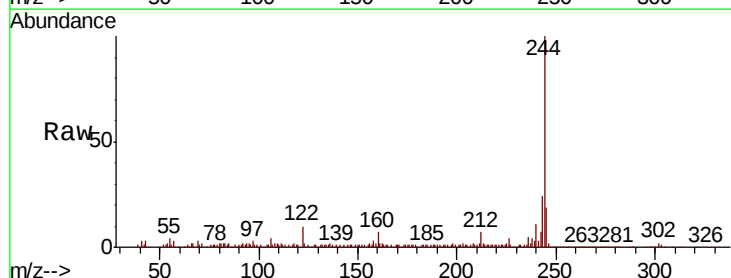
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 11.238 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.9	8.3	12.5

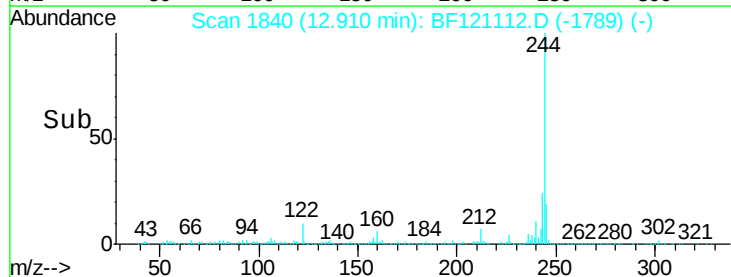
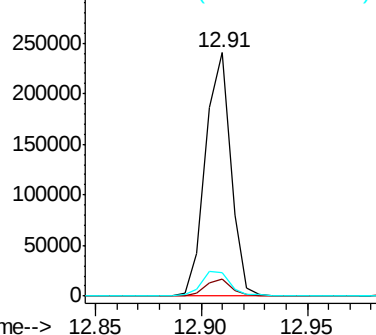


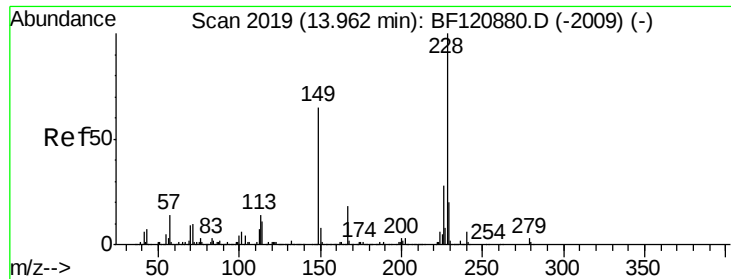
Abundance

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: 14.149 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

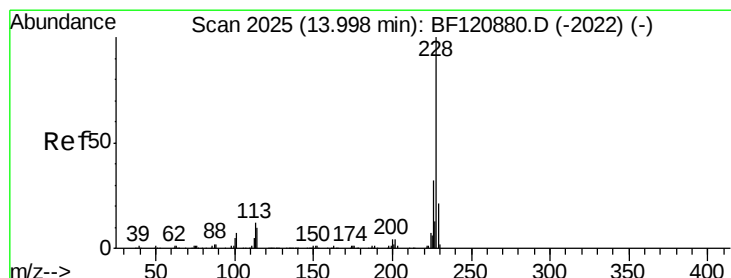
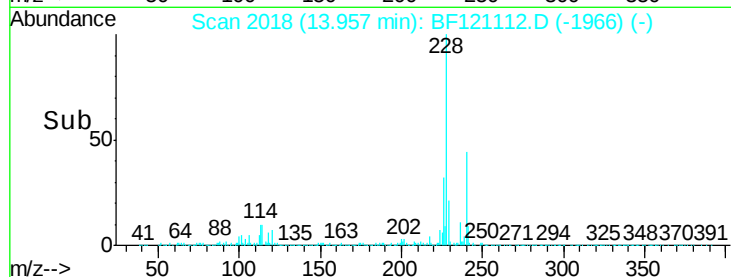
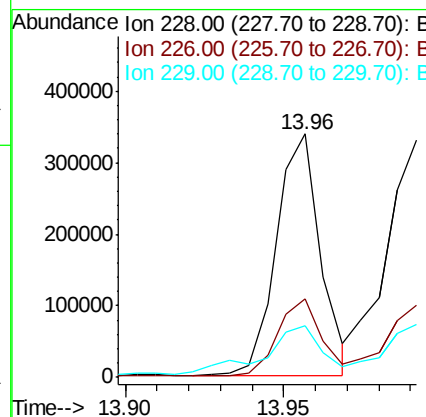
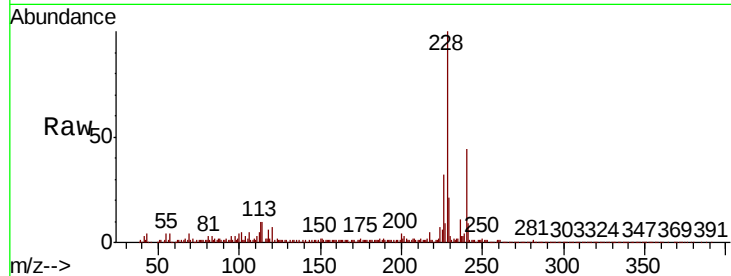
ClientSampled :

18

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	34.0
229	21.3	16.1	24.1

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#83

Chrysene

Concen: 13.072 ng

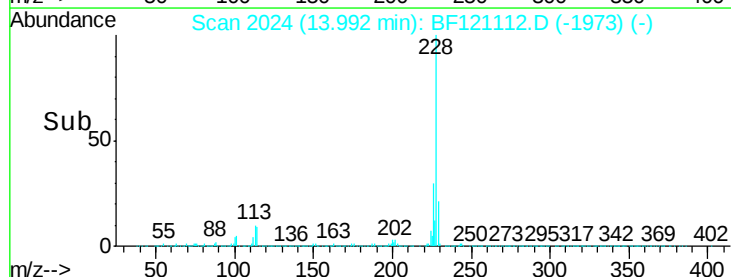
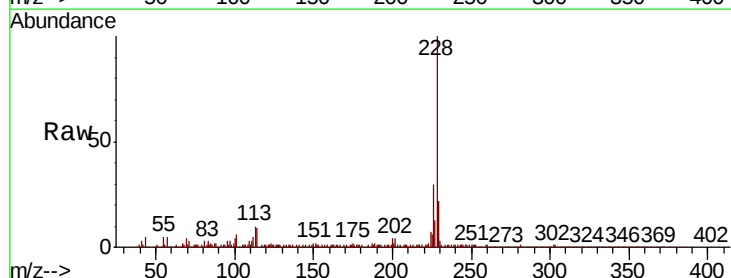
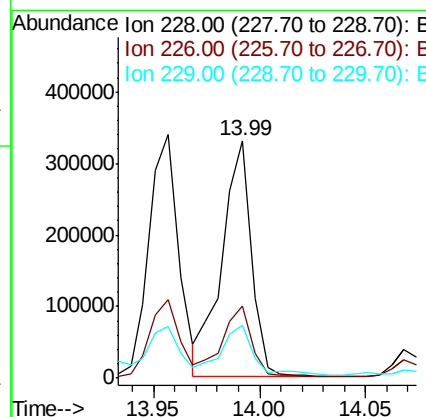
RT: 13.99 min Scan# 2024

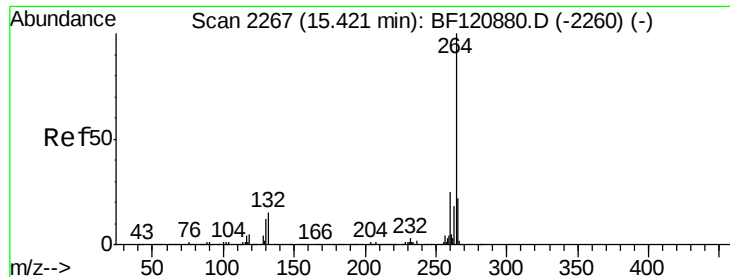
Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	22.4	16.2	24.4





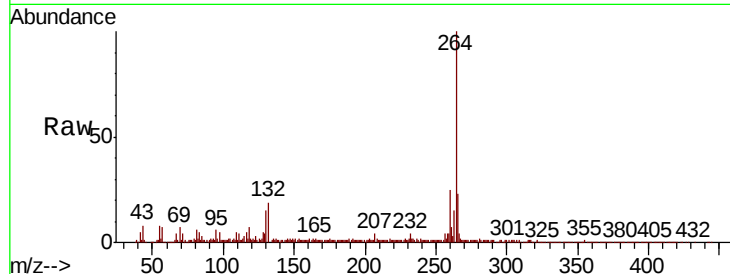
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampleId :
18

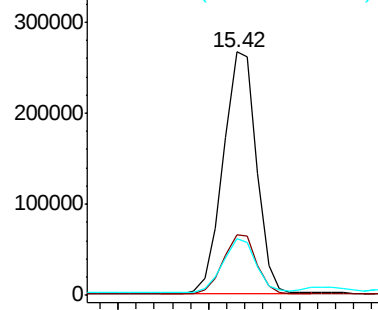
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	23.1	17.8	26.8

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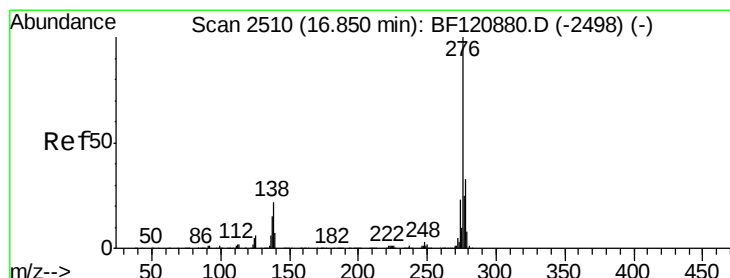
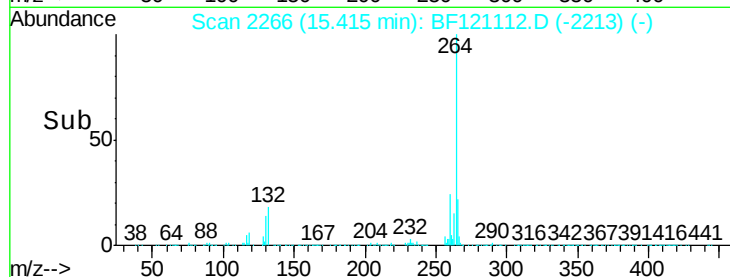
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

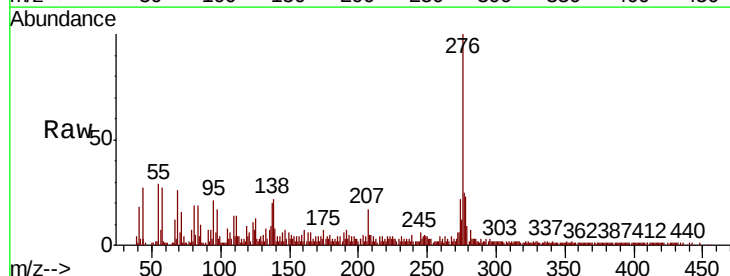


Time-->

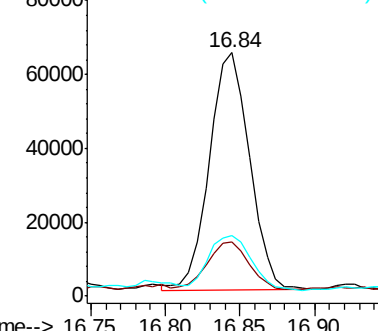


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.100 ng
RT: 16.84 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

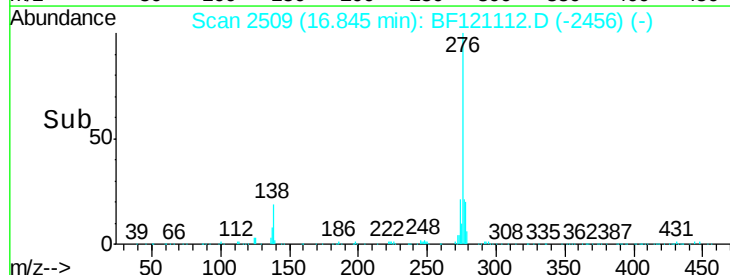
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.3	28.9
277	24.6	20.1	30.1

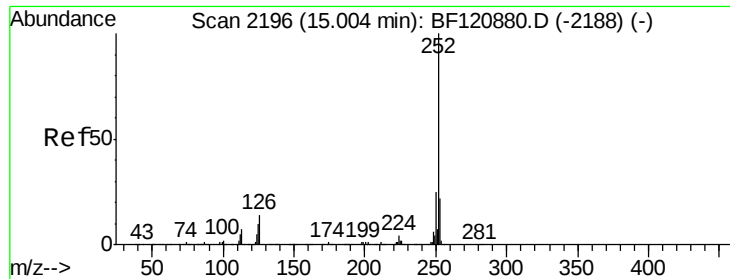


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





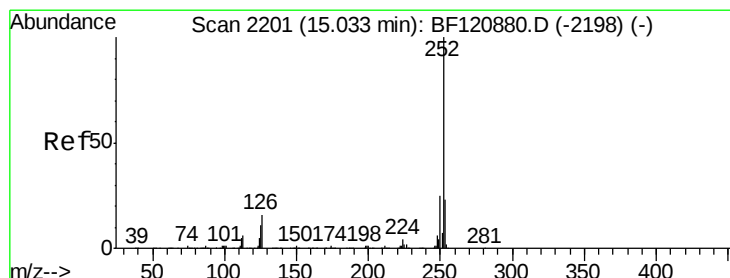
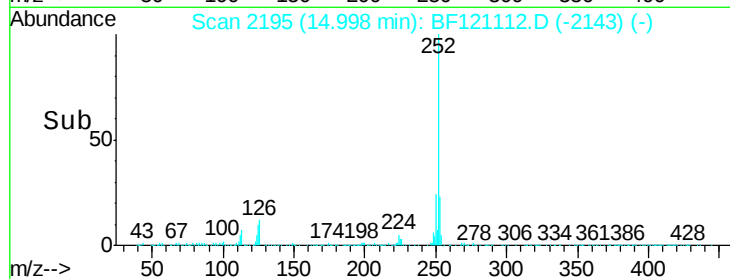
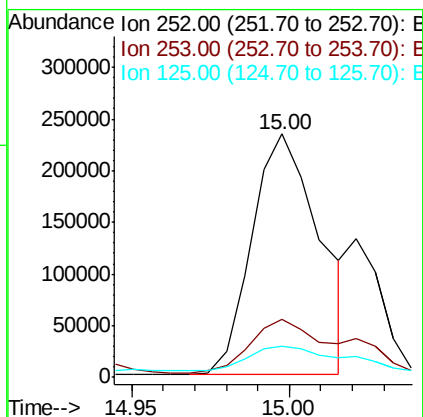
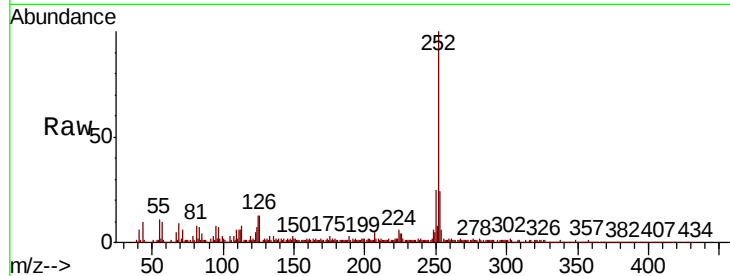
#88
Benzo(b)fluoranthene
Concen: 16.926 ng m
RT: 15.00 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampleId :
18

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	12.5	8.1	12.1

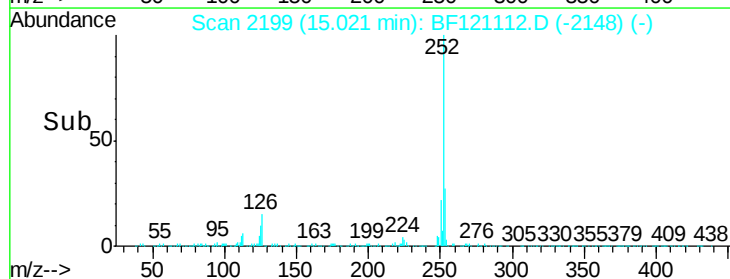
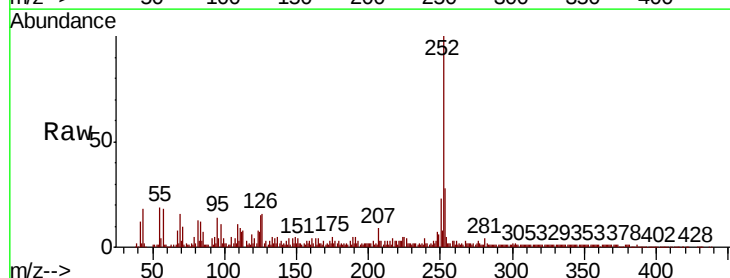
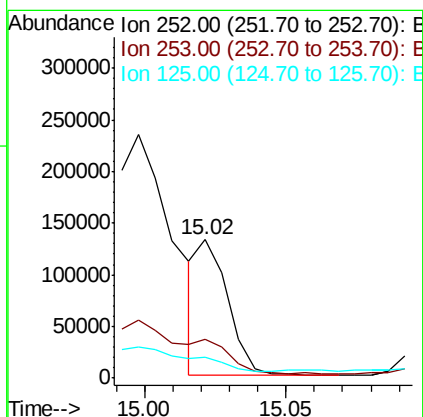
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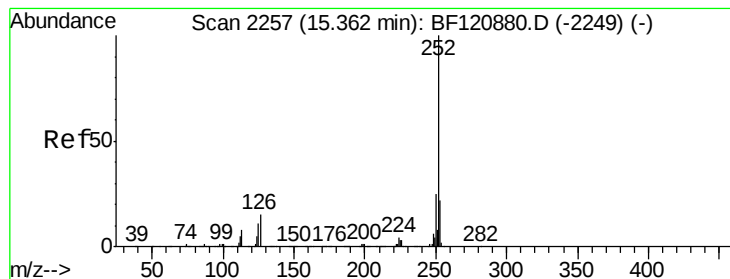
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#89
Benzo(k)fluoranthene
Concen: 5.170 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.1	27.1
125	15.2	8.0	12.0





#90

Benzo(a)pyrene

Concen: 12.888 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

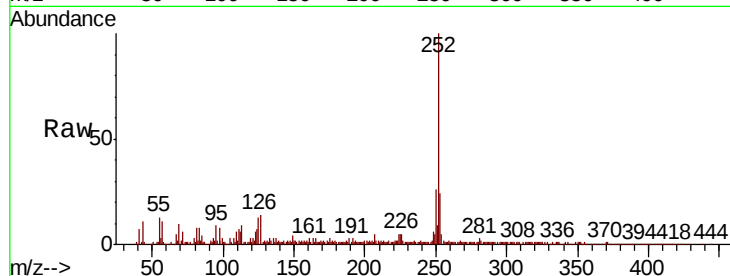
ClientSampled :

18

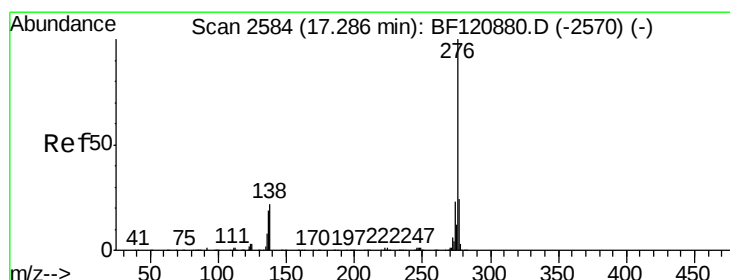
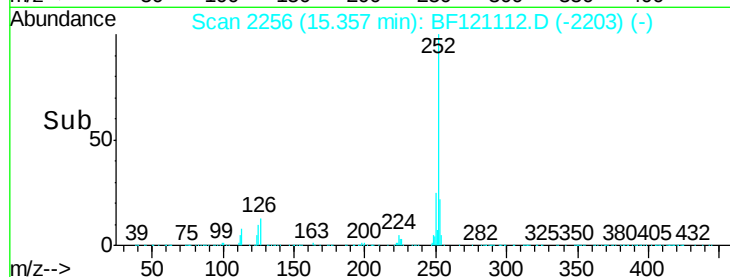
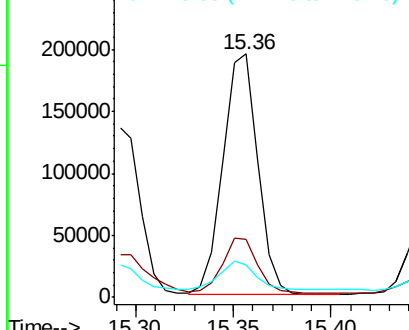
Tot Ion:	252	Resp:	241192
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	13.1	9.5	14.3

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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



#92

Benzo(g,h,i)perylene

Concen: 5.853 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.02 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Tgt Ion:	276	Resp:	111244
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.4	29.0
138	23.5	17.2	25.8

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

