

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121124.D
 Acq On : 30 Jul 2020 2:34
 Operator : JU/CG
 Sample : L3436-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3

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Quant Time: Jul 30 04:39:26 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	180356	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	672828	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	327229	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	558422	20.00	ng	0.01
76) Chrysene-d12	13.97	240	445451	20.00	ng	0.01
86) Perylene-d12	15.43	264	366063	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	185966	16.90	ng	0.00
7) Phenol-d6	6.45	99	220074	15.49	ng	0.00
23) Nitrobenzene-d5	7.37	82	117794	10.13	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	49226	13.74	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	265266	12.10	ng	0.00
79) Terphenyl-d14	12.92	244	243223	11.87	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.71	152	83496	2.641	ng	98
50) Dimethylphthalate	9.56	163	68603	2.906	ng	# 98
52) Acenaphthene	9.88	154	44121	2.195	ng	98
58) Fluorene	10.39	166	73537	3.392	ng	96
71) Phenanthrene	11.36	178	537903	18.729	ng	99
72) Anthracene	11.41	178	201161	6.975	ng	99
75) Fluoranthene	12.55	202	857335	26.932	ng	99
78) Pyrene	12.78	202	866142	27.502	ng	99
81) Benzo(a)anthracene	13.97	228	382876m	14.194	ng	
83) Chrysene	14.00	228	362043	12.772	ng	96
84) Bis(2-ethylhexyl)phthalate	13.96	149	35810	2.068	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.87	276	128424	5.044	ng	98
88) Benzo(b)fluoranthene	15.01	252	335347m	15.155	ng	
89) Benzo(k)fluoranthene	15.03	252	109594m	5.431	ng	
90) Benzo(a)pyrene	15.37	252	247331	12.251	ng	# 96
92) Benzo(g,h,i)perylene	17.31	276	123136	6.005	ng	98

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

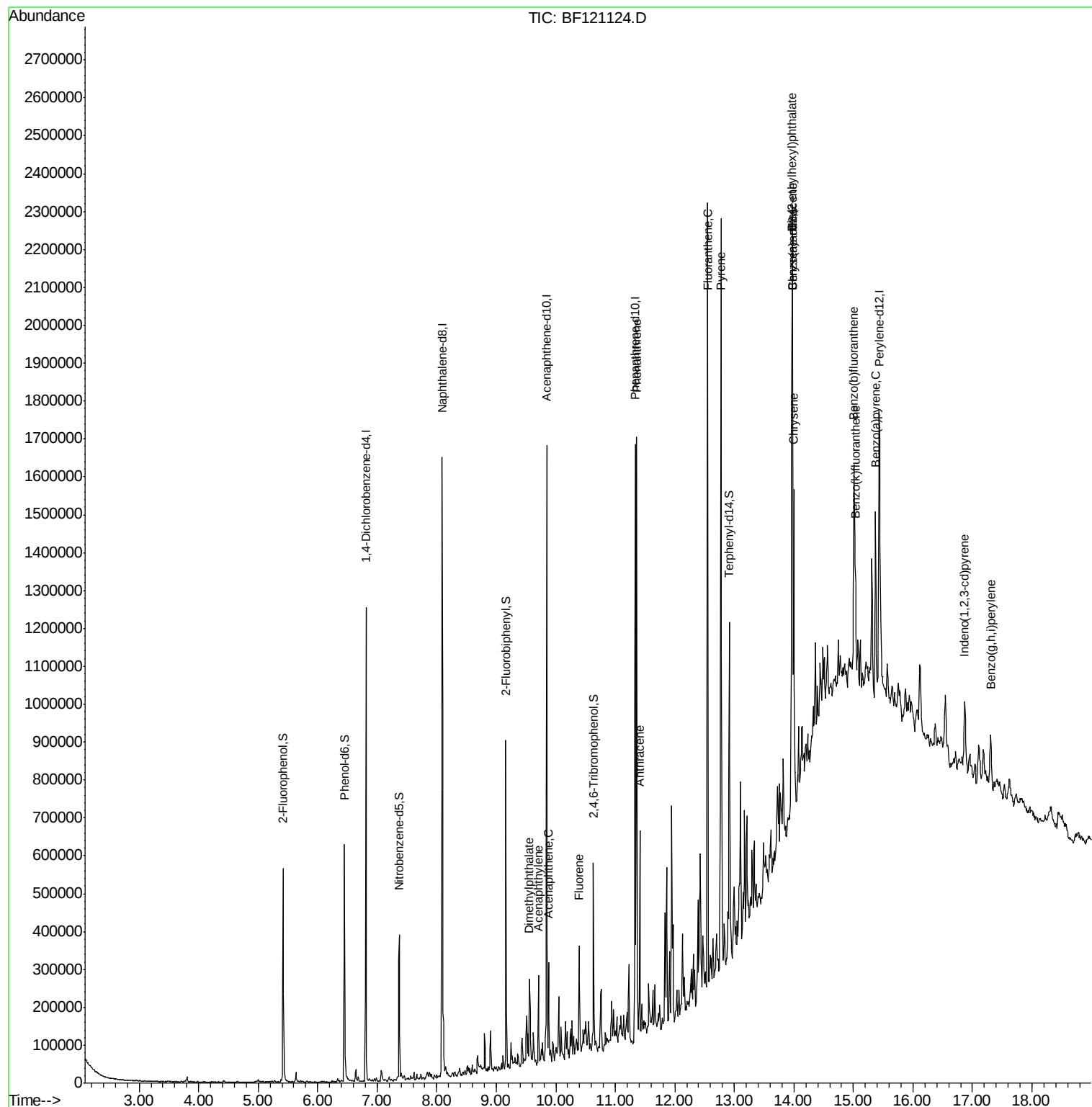
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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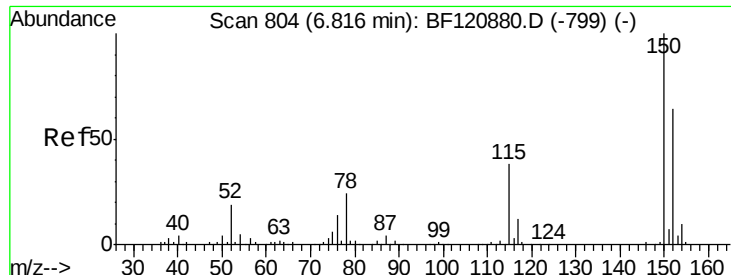
Instrument :
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#1

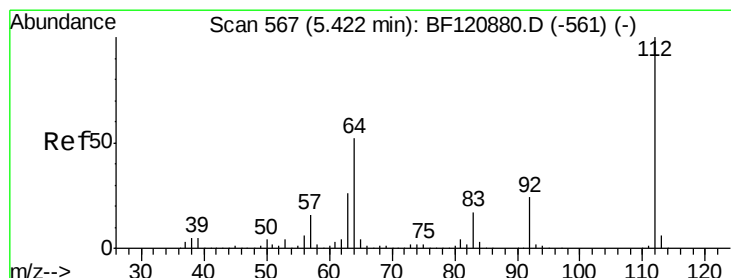
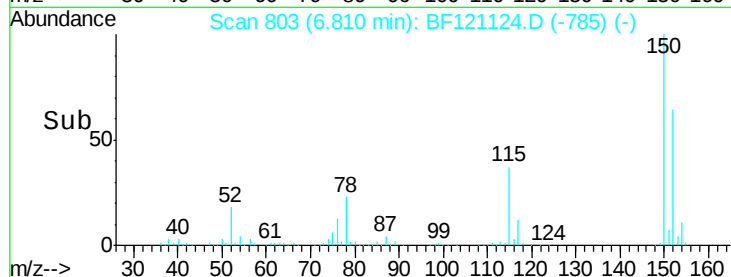
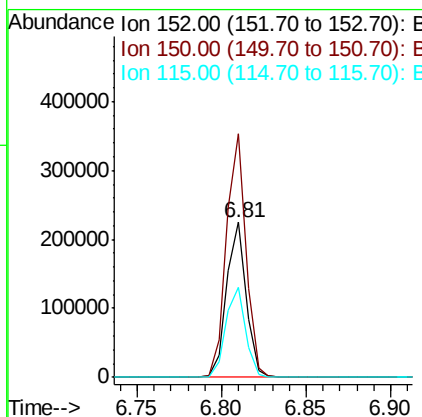
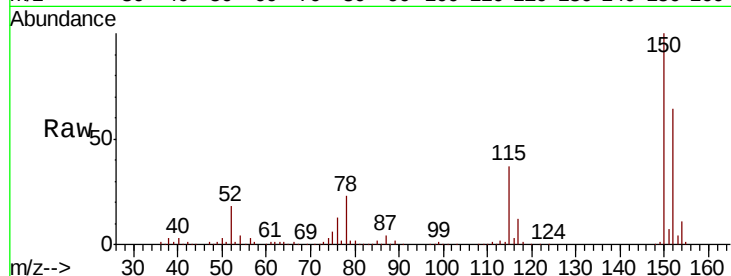
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.6	188.4
115	57.9	46.2	69.2

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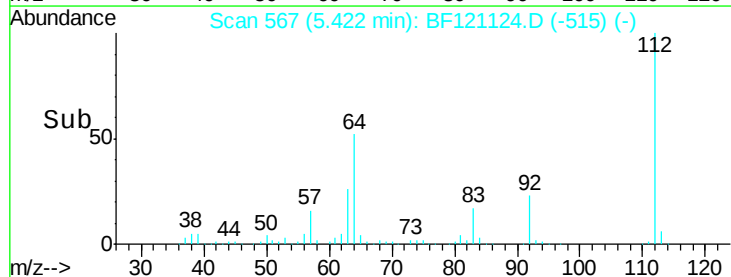
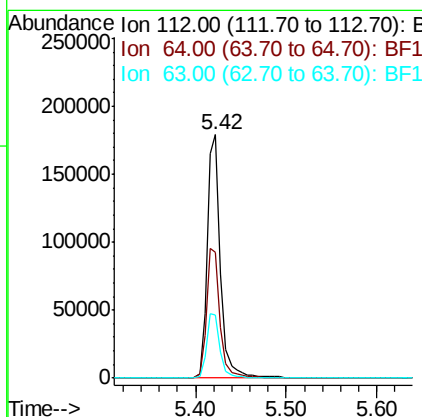
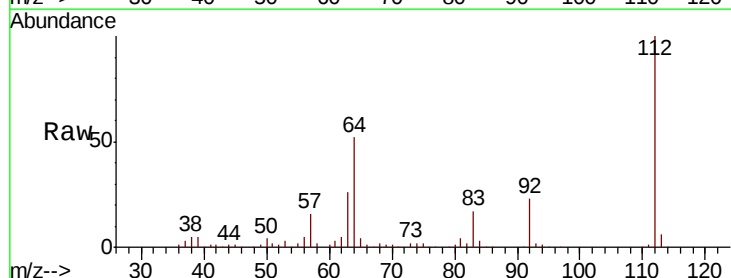
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#5

2-Fluorophenol
Concen: 16.903 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	43.9	65.9
63	26.1	22.7	34.1





#7

Phenol-d6

Concen: 15.486 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF121124.D

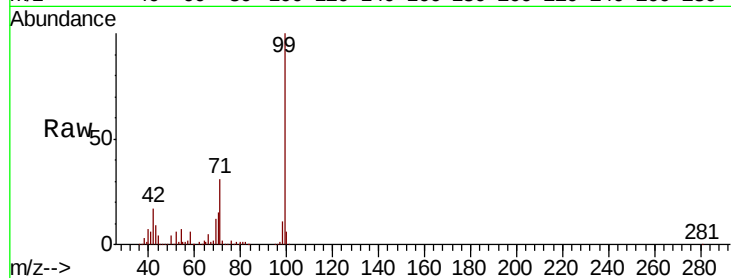
Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

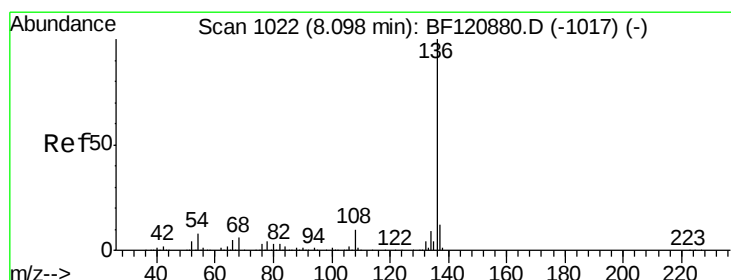
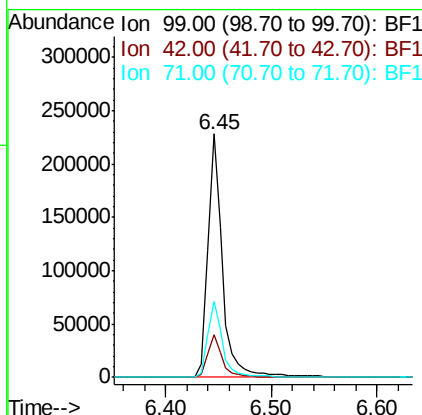
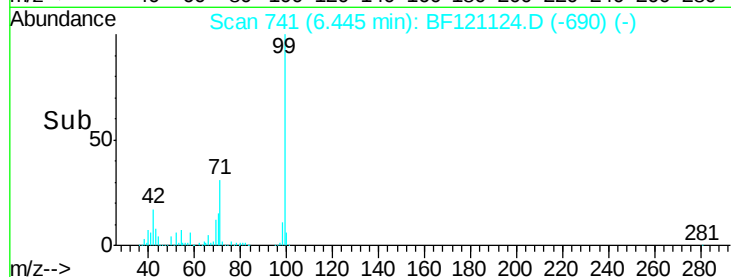
3



Tot Ion:	99	Resp:	220074
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.5	20.3
71	31.4	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

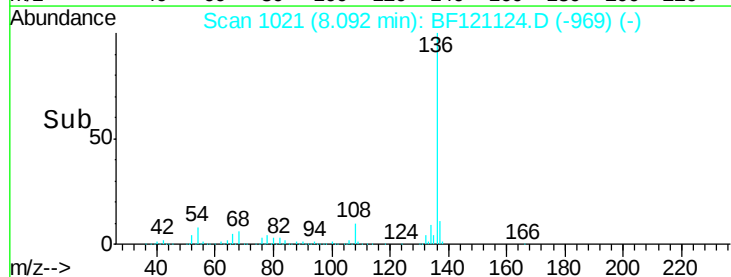
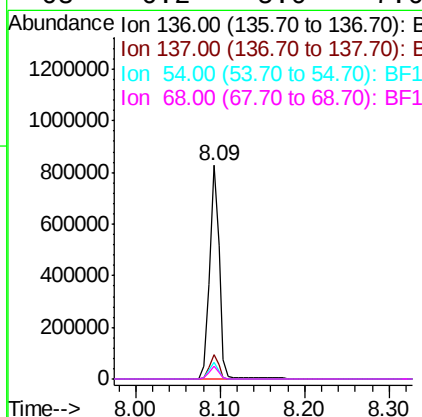
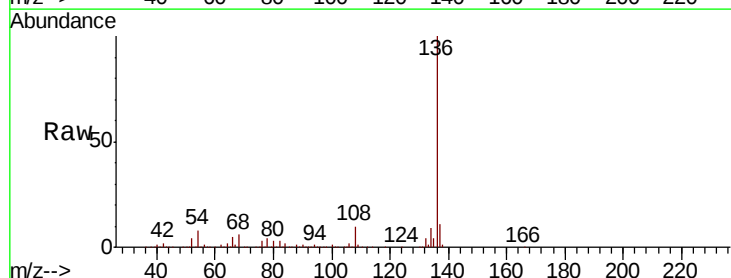
RT: 8.09 min Scan# 1021

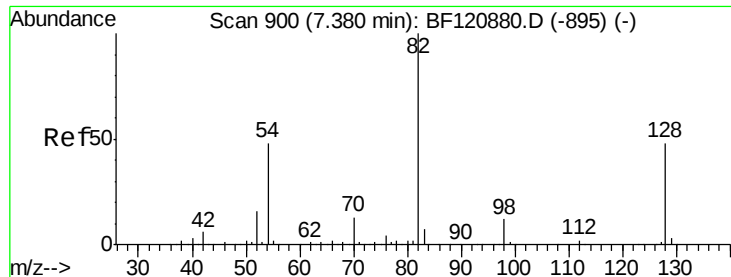
Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Tgt Ion:	136	Resp:	672828
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	7.5	6.1	9.1
68	6.2	5.0	7.6





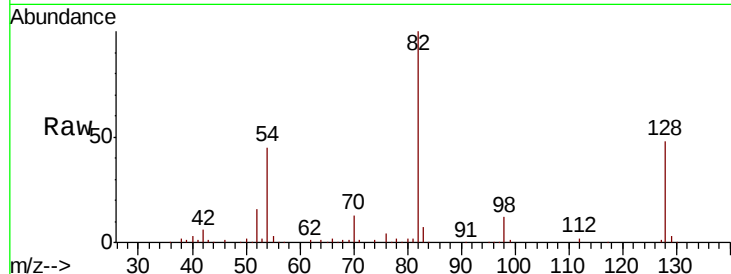
#23
Nitrobenzene-d5
Concen: 10.130 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampled :
3

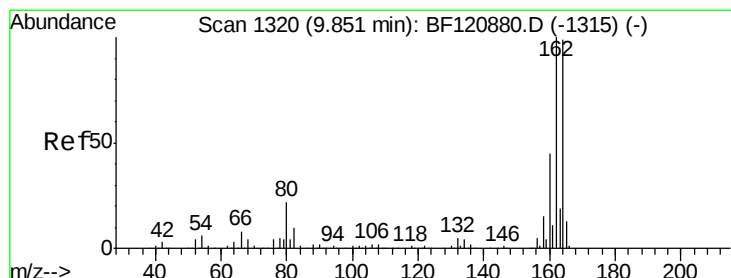
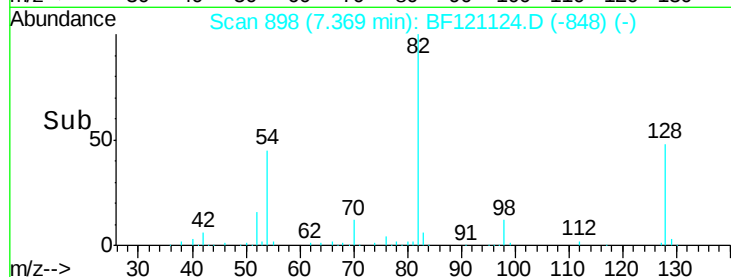
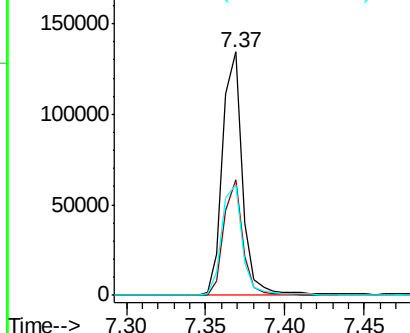
Tot Ion	82	Resp	117794
Ion Ratio	100	Lower	Upper
128	47.5	39.2	58.8
54	45.1	37.8	56.8

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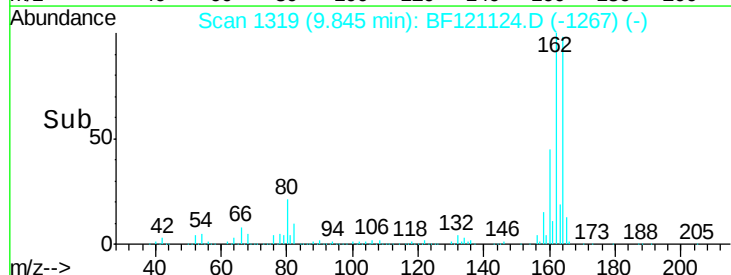
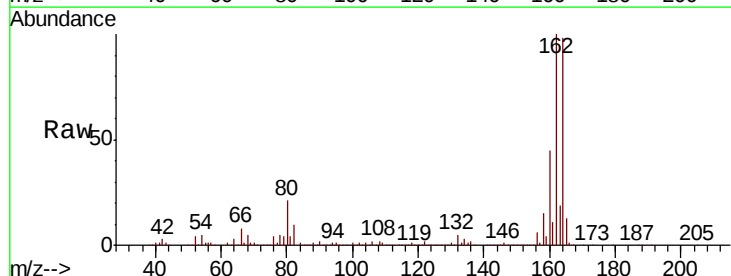
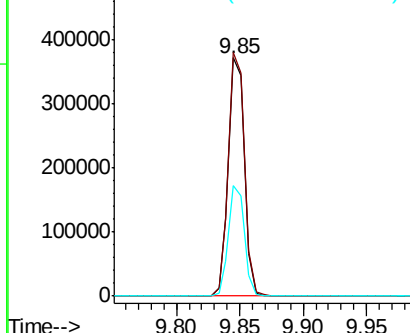
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	164	Resp	327229
Ion Ratio	100	Lower	Upper
162	102.2	82.2	123.2
160	46.3	37.2	55.8

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





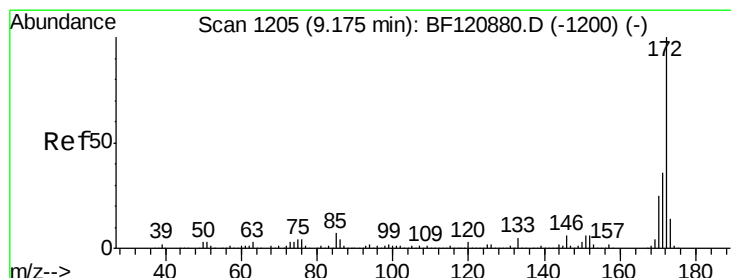
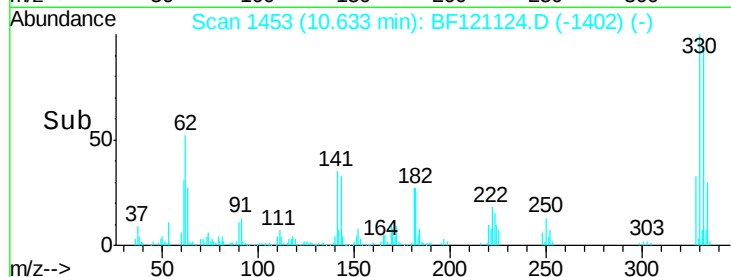
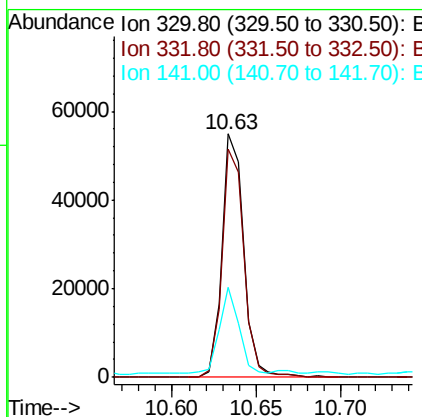
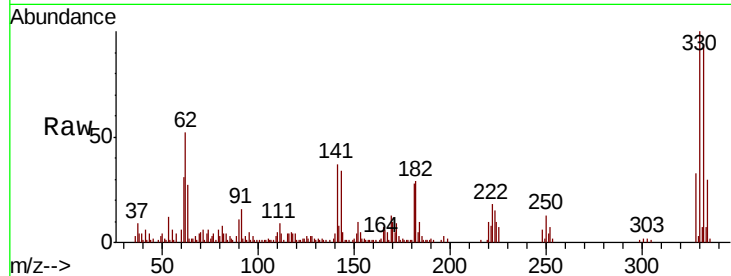
#42
 2,4,6-Tribromophenol
 Concen: 13.743 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Instrument :
 BNA_F
 ClientSampleId :
 3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	49226		
332	94.8		76.1	114.1
141	32.4		24.1	36.1

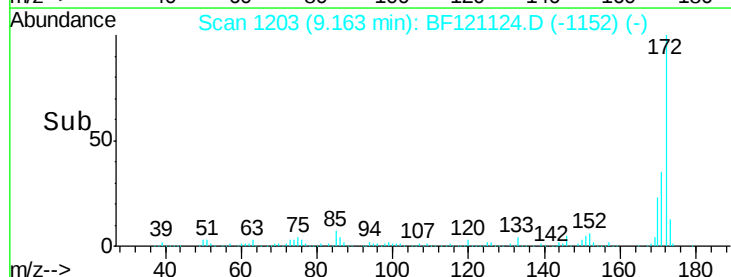
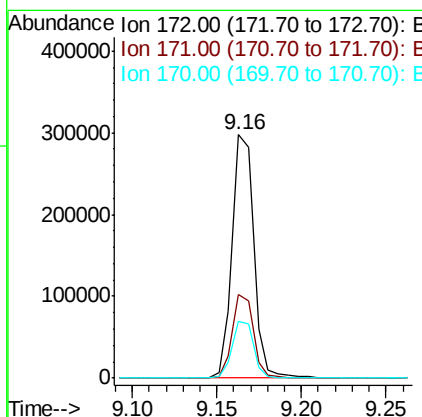
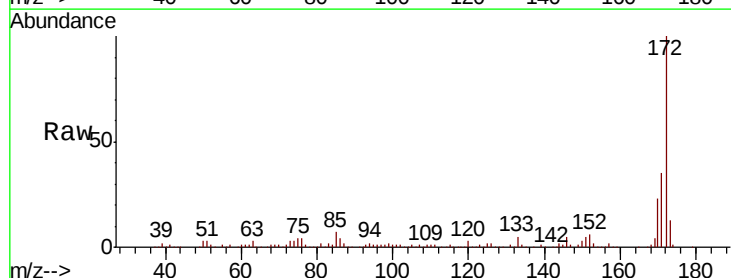
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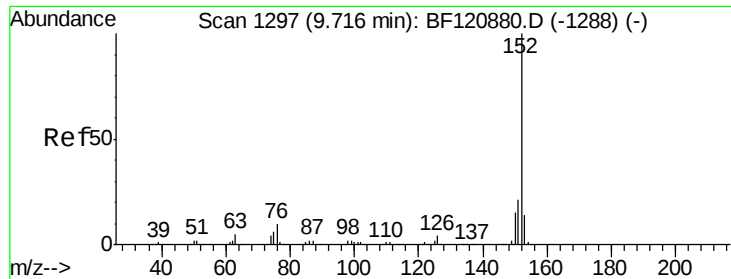
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#45
 2-Fluorobiphenyl
 Concen: 12.103 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	265266		
171	34.5		29.0	43.4
170	23.4		19.6	29.4





#49

Acenaphthylene

Concen: 2.641 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

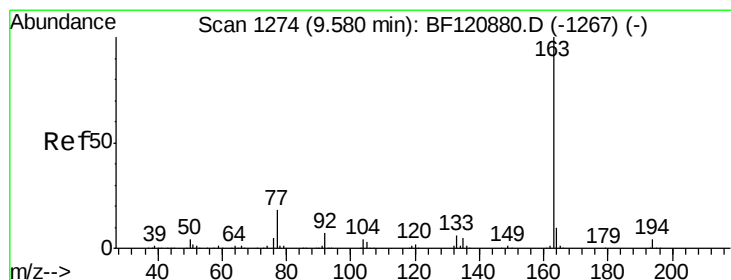
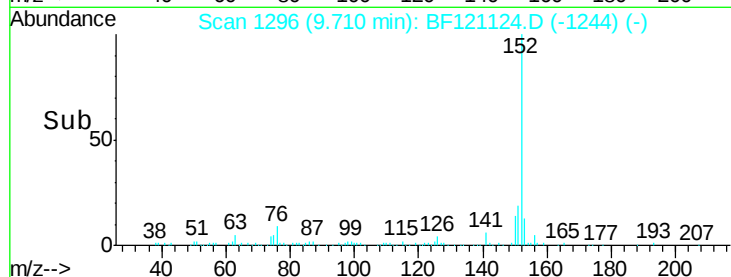
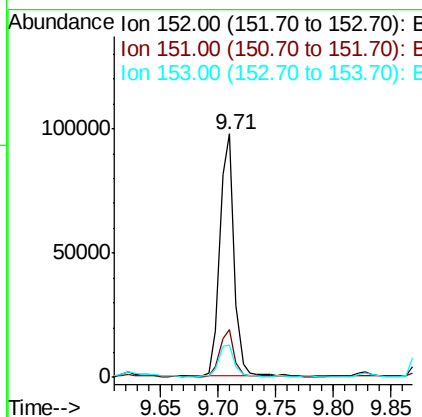
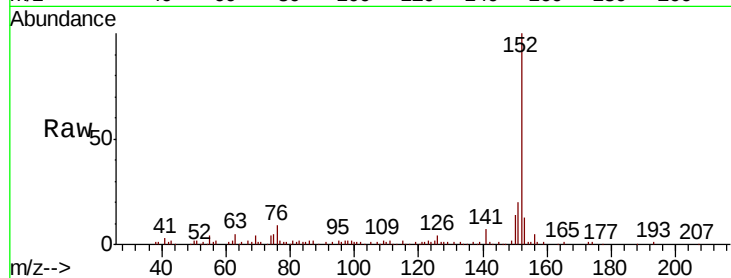
ClientSampled :

3

Tot Ion:	152	Resp:	83496
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.6	25.0
153	13.2	11.0	16.4

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#50

Dimethylphthalate

Concen: 2.906 ng

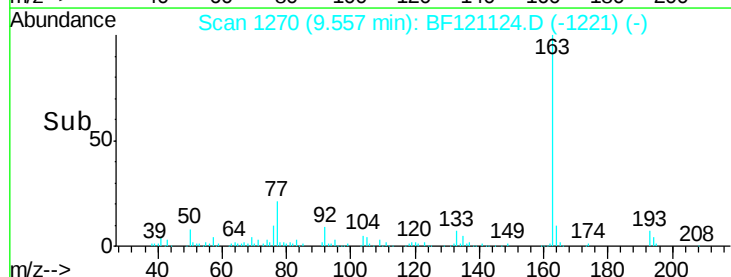
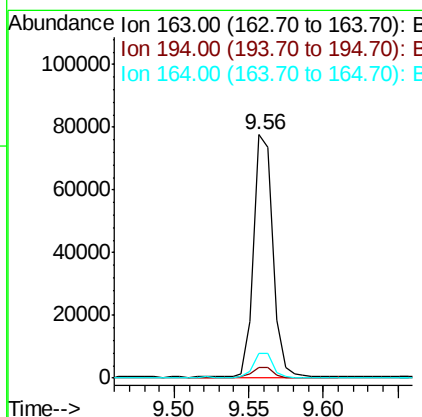
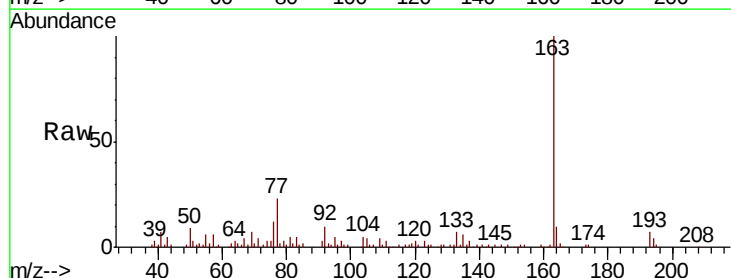
RT: 9.56 min Scan# 1270

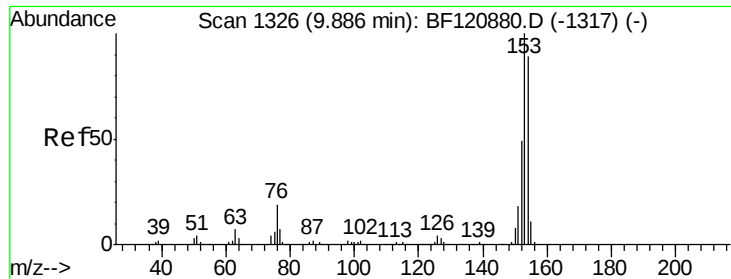
Delta R.T. -0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Tgt Ion:	163	Resp:	68603
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.0	4.4#
164	10.0	8.4	12.6





#52

Acenaphthene

Concen: 2.195 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF121124.D

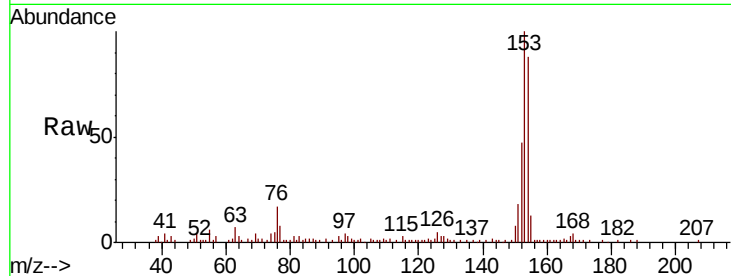
Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampled :

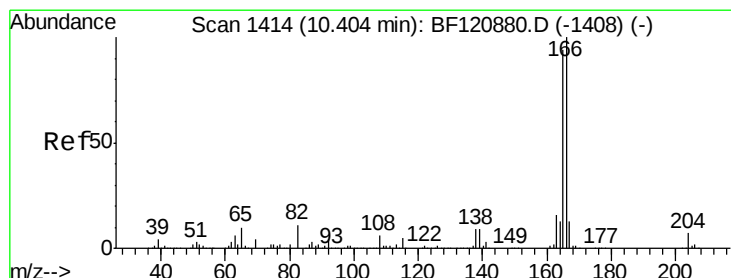
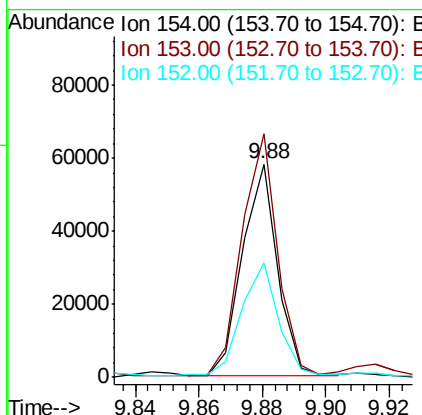
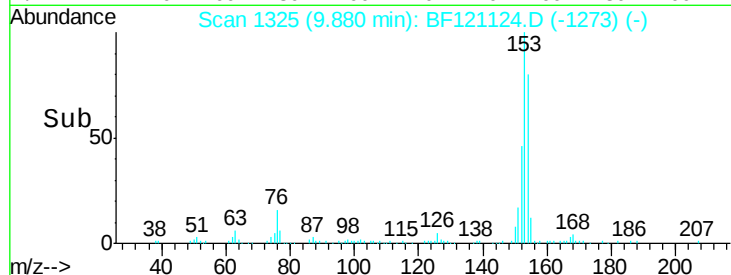
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Tot Ion:	154	Resp:	44121
Ion Ratio	Lower	Upper	
154	100		
153	114.1	89.6	134.4
152	53.7	43.8	65.6

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#58

Fluorene

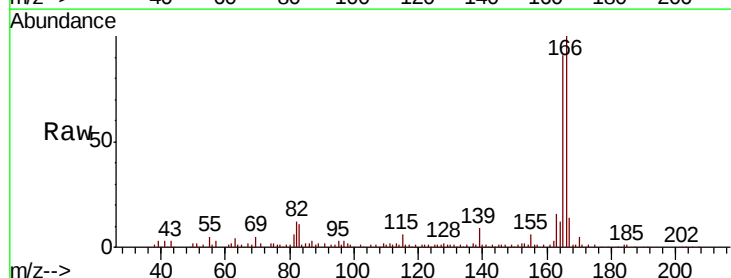
Concen: 3.392 ng

RT: 10.39 min Scan# 1412

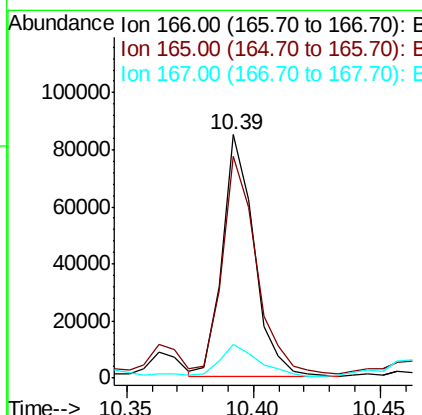
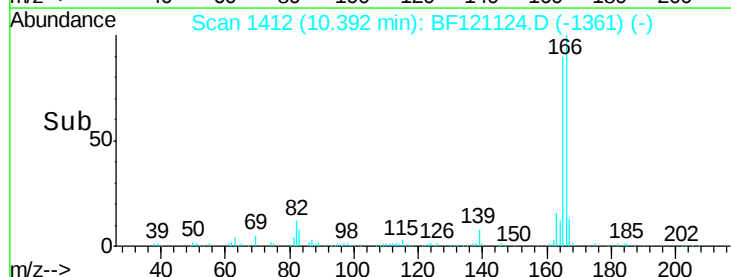
Delta R.T. -0.00 min

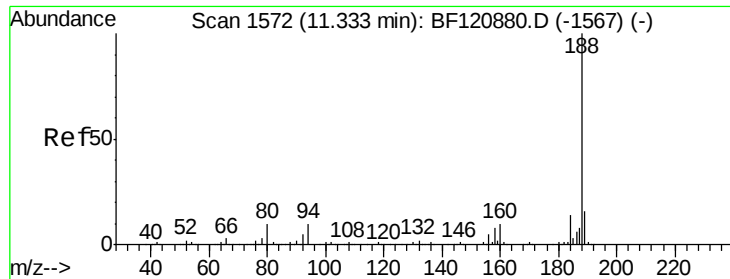
Lab File: BF121124.D

Acq: 30 Jul 2020 2:34



Tgt Ion:	166	Resp:	73537
Ion Ratio	Lower	Upper	
166	100		
165	91.0	76.4	114.6
167	13.8	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

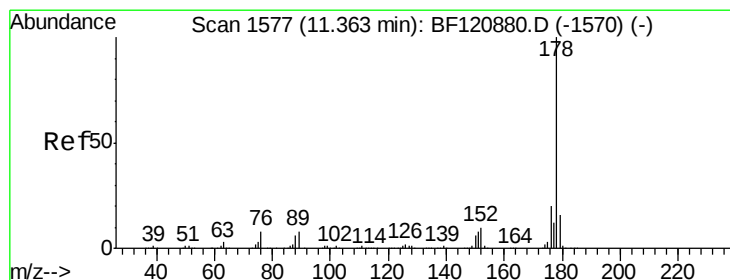
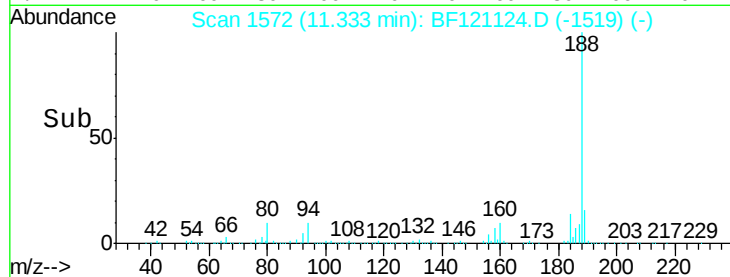
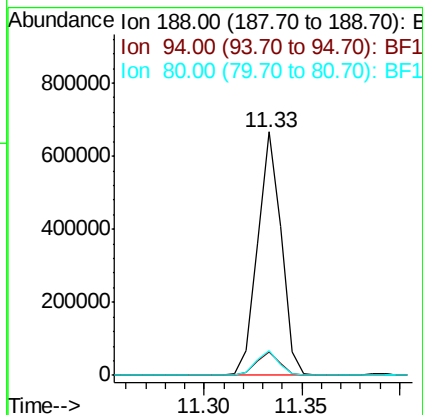
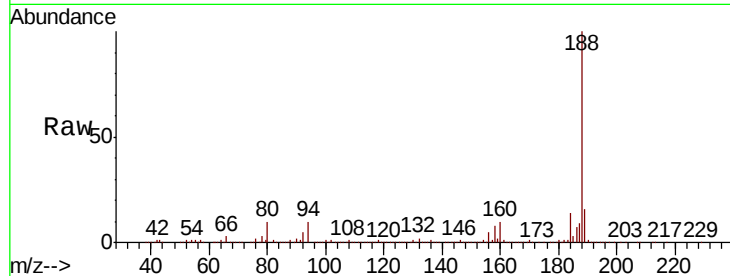
ClientSampleId :

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Tot Ion:	188	Resp:	558422
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.0	12.0
80	10.1	8.3	12.5

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#71

Phenanthrene

Concen: 18.729 ng

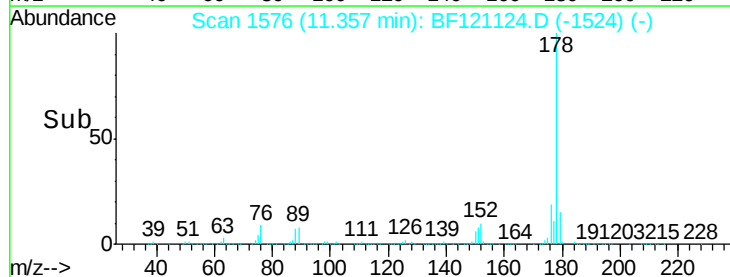
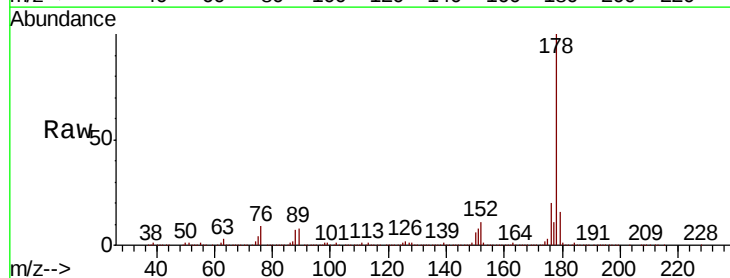
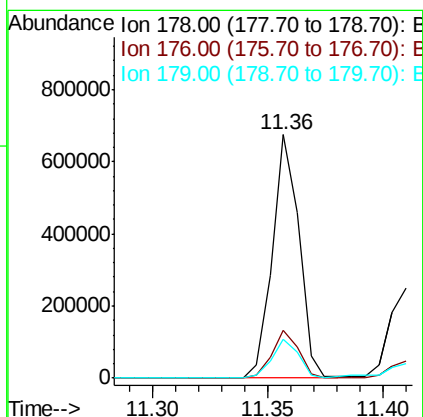
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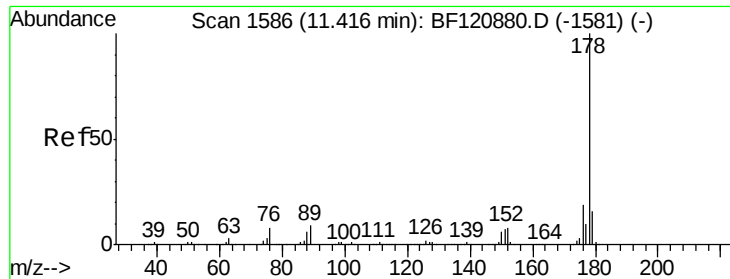
Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Tgt Ion:	178	Resp:	537903
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.2
179	15.8	12.6	19.0





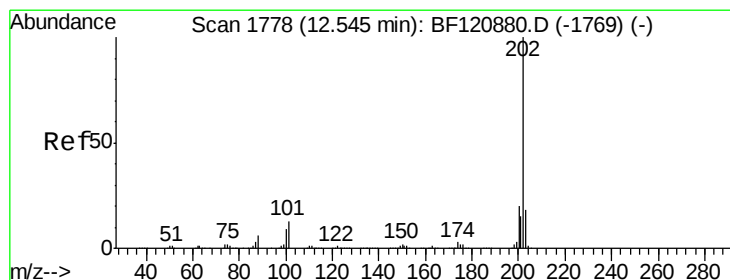
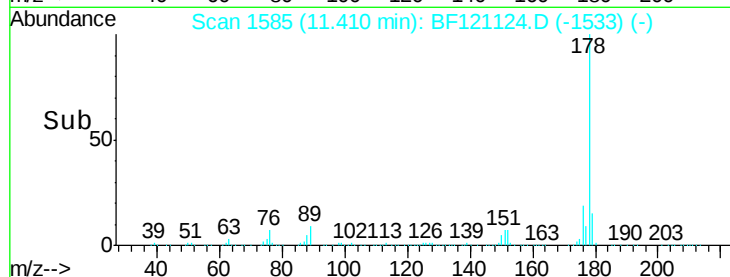
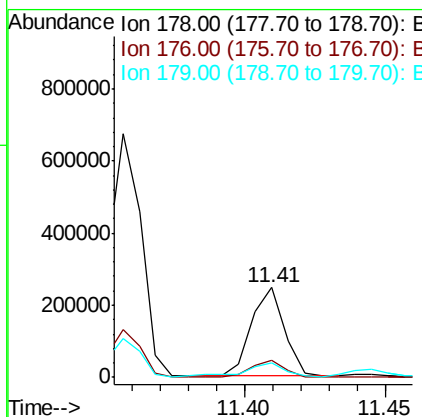
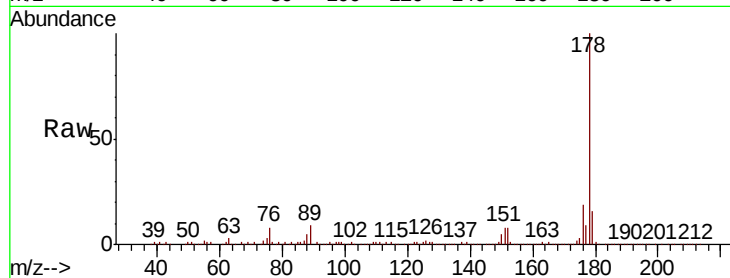
#72
 Anthracene
 Concen: 6.975 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Instrument :
 BNA_F
 ClientSampled :
 3

Tot Ion:178	Resp:	201161
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.8 23.8
179	15.6	12.6 19.0

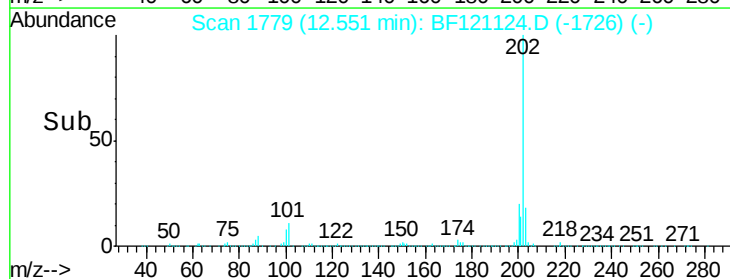
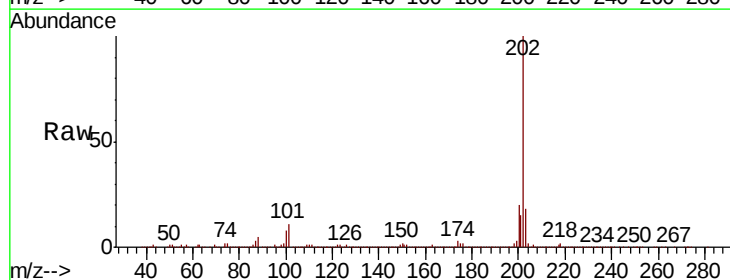
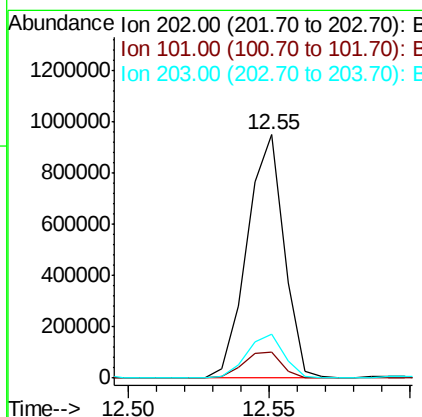
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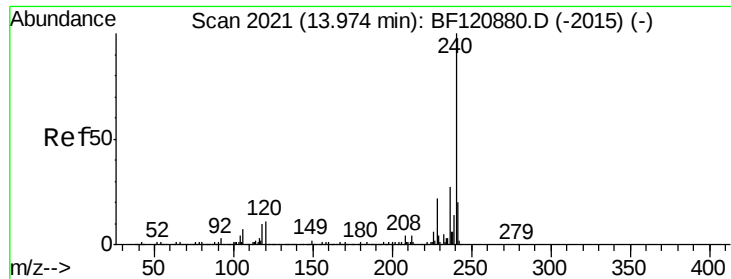
mohammad
 7/30/2020 3:34:22 PM



#75
 Fluoranthene
 Concen: 26.932 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Tgt Ion:202	Resp:	857335
Ion Ratio	Lower	Upper
202	100	
101	10.9	0.0 30.5
203	18.0	0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

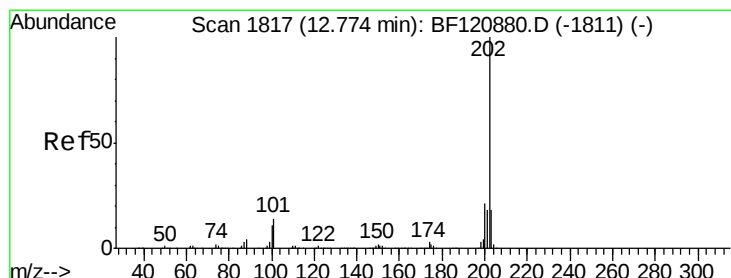
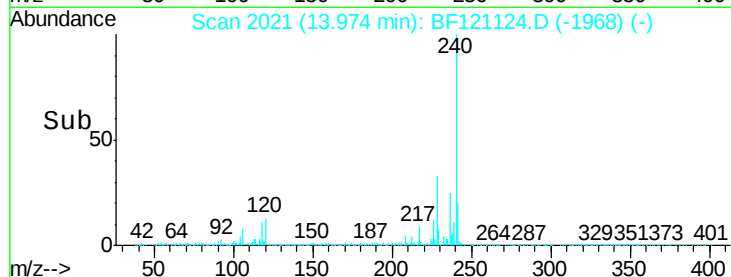
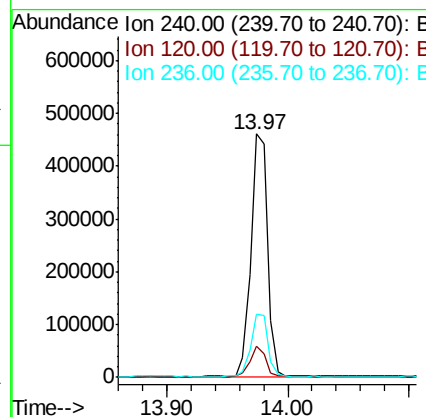
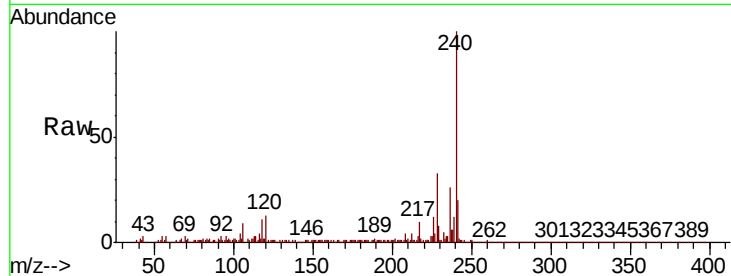
ClientSampled :

3

Tot Ion:	240	Resp:	445451
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.3	13.9
236	26.1	21.1	31.7

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#78

Pyrene

Concen: 27.502 ng

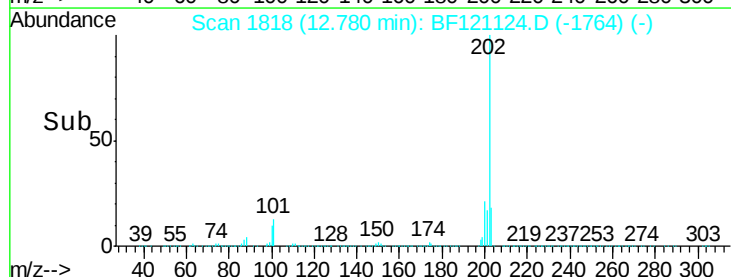
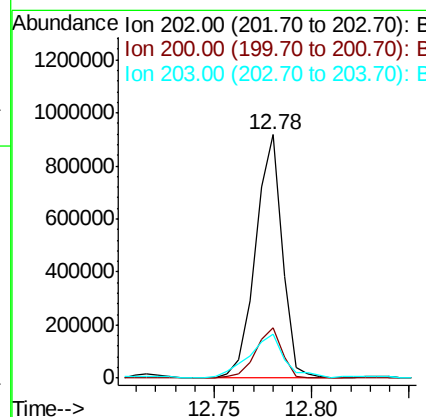
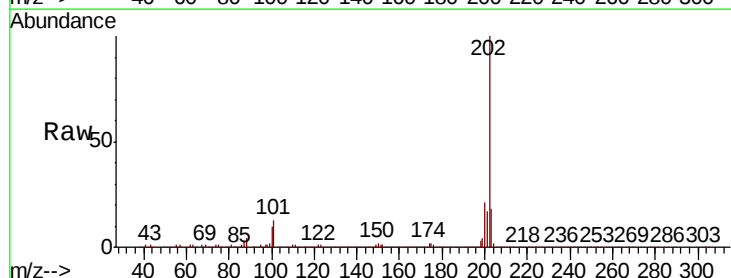
RT: 12.78 min Scan# 1818

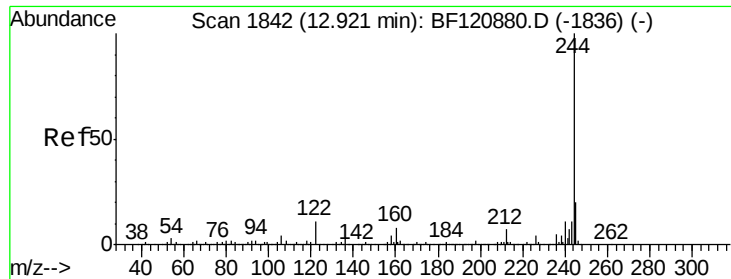
Delta R.T. 0.02 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Tgt Ion:	202	Resp:	866142
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.0	25.6
203	18.1	14.6	21.8





#79

Terphenyl-d14

Concen: 11.869 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

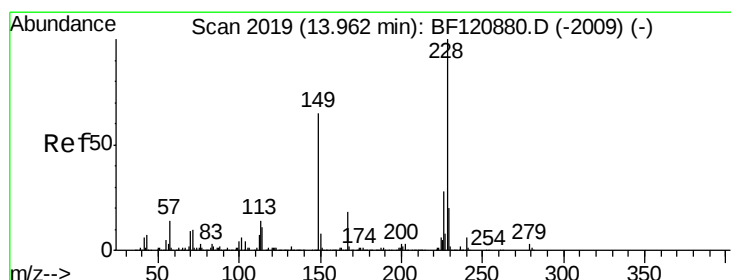
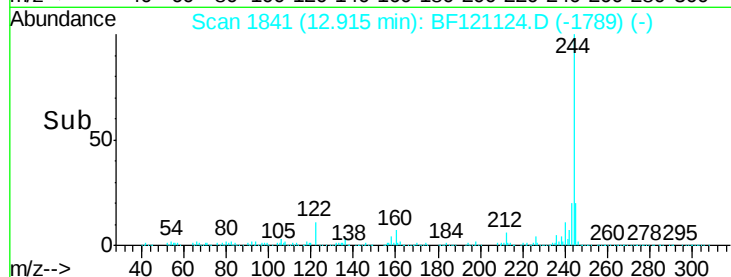
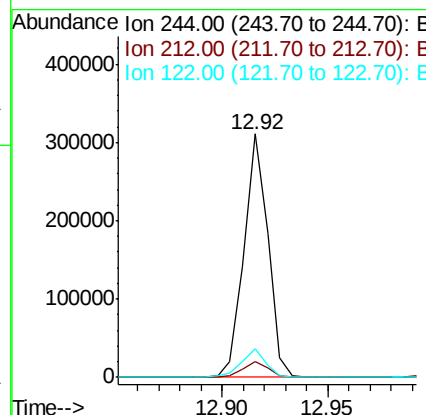
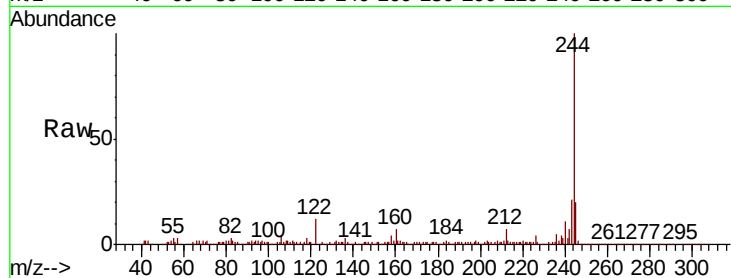
ClientSampleId :

3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.6	8.3	12.5

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#81

Benzo(a)anthracene

Concen: 14.194 ng m

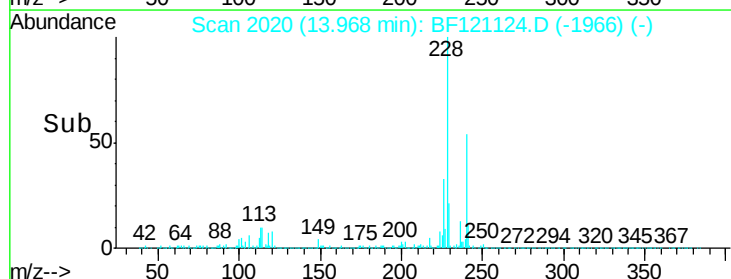
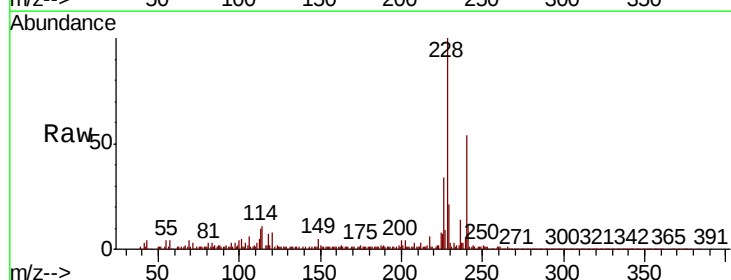
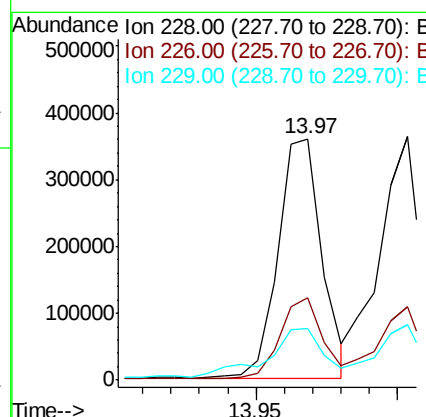
RT: 13.97 min Scan# 2020

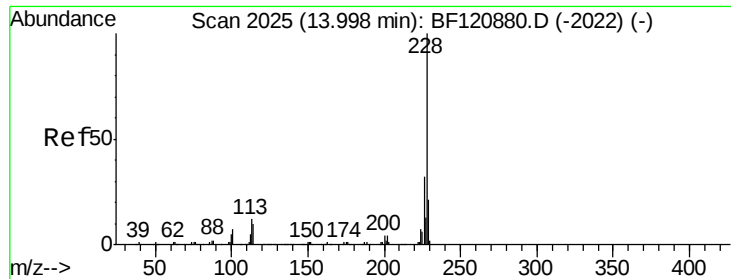
Delta R.T. 0.02 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.6	34.0#
229	21.5	16.1	24.1





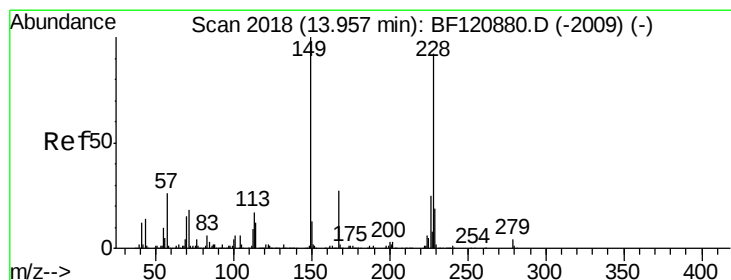
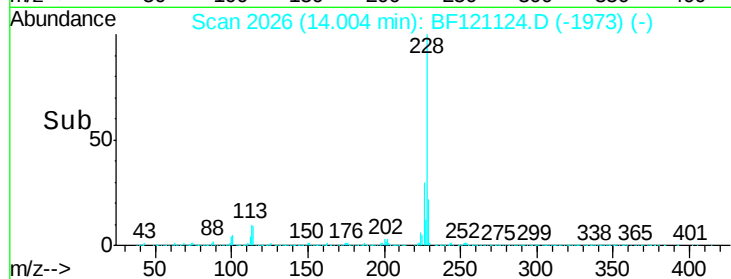
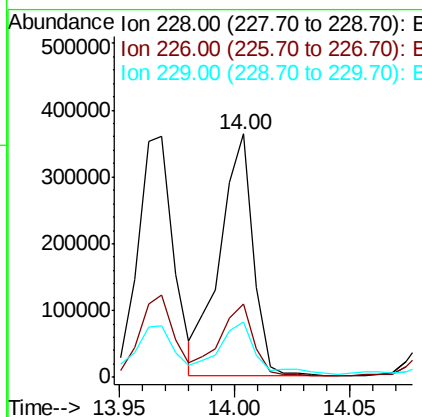
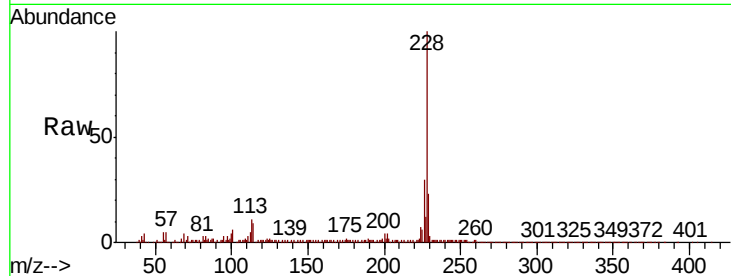
#83
Chrysene
Concen: 12.772 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.7	16.2	24.4

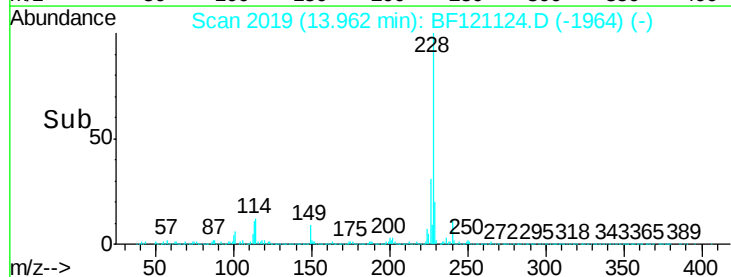
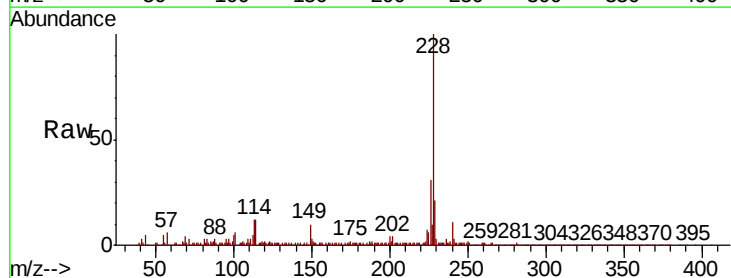
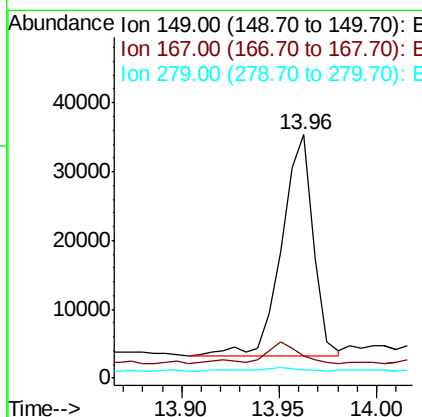
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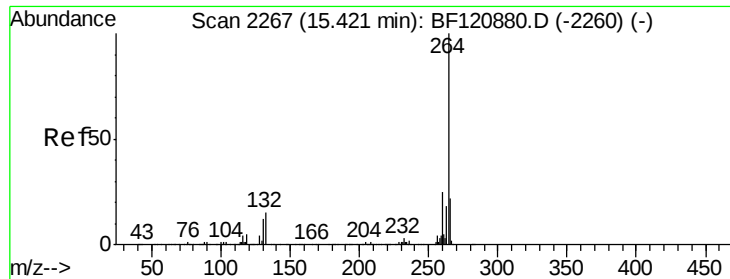
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.068 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.02 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	9.1	21.8	32.6#
279	3.1	2.9	4.3





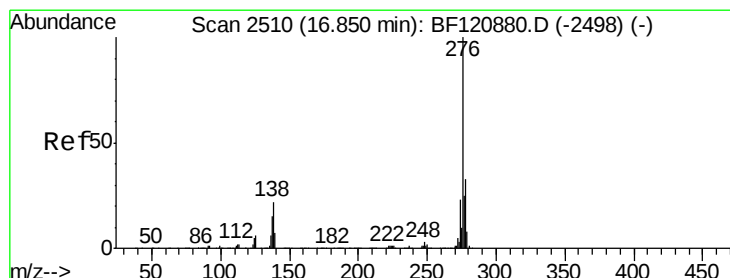
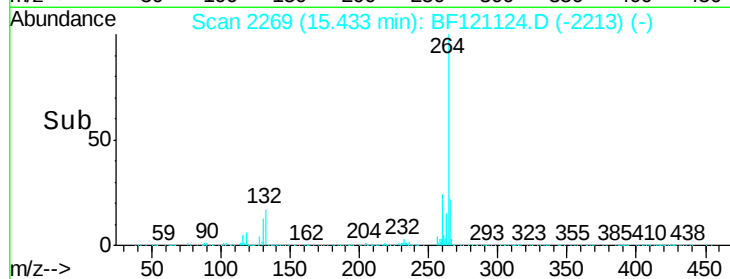
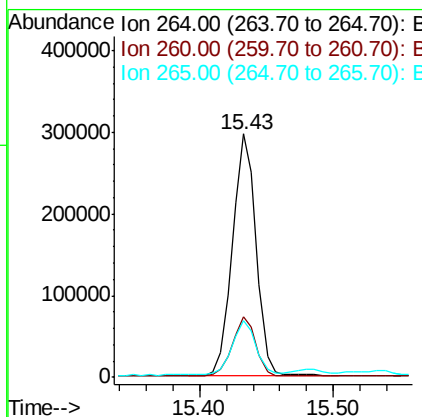
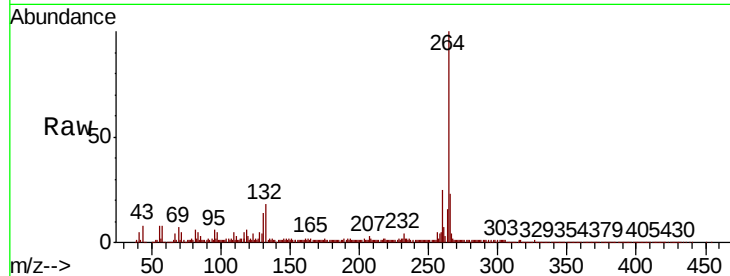
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.03 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampleId :
3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	23.1	17.8	26.8

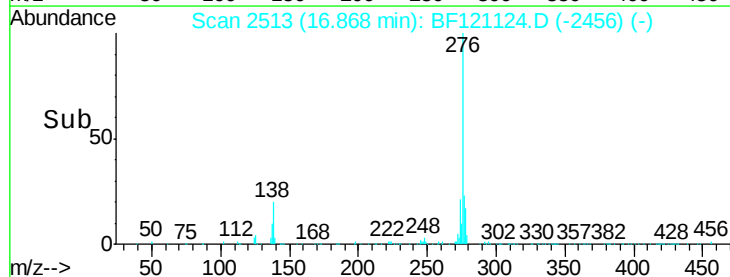
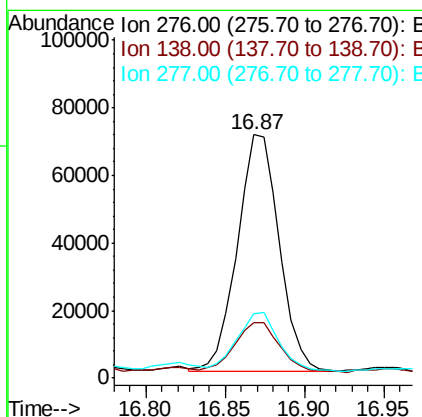
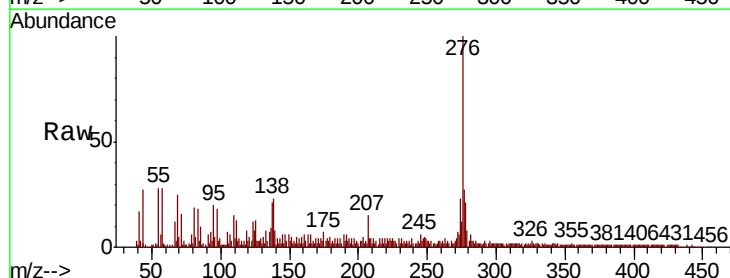
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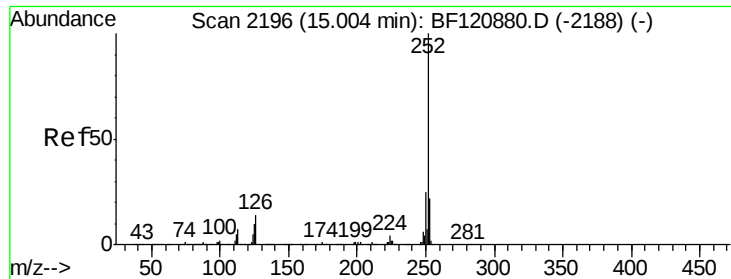
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.044 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.04 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	19.3	28.9
277	24.6	20.1	30.1





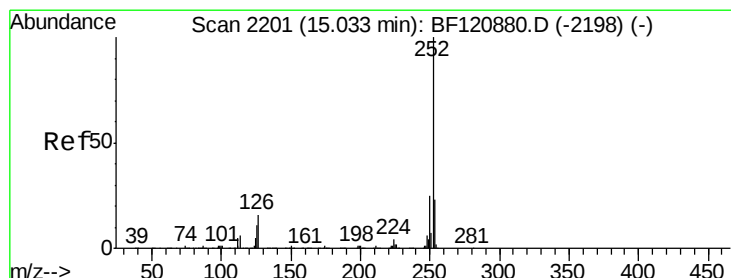
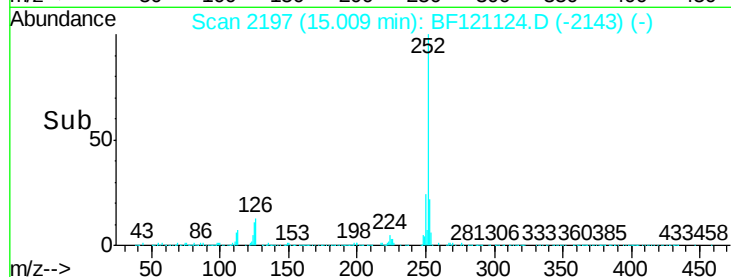
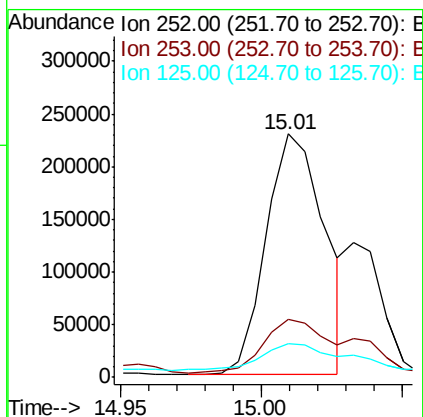
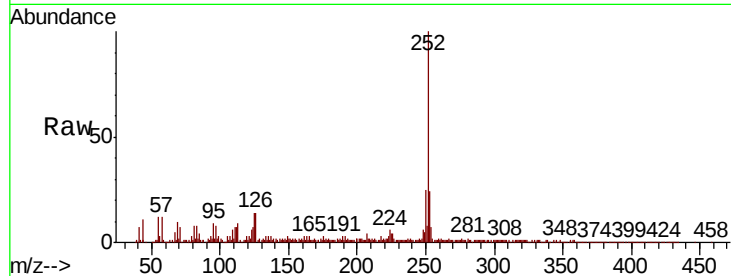
#88
Benzo(b)fluoranthene
Concen: 15.155 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampleId :
3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	13.7	8.1	12.1

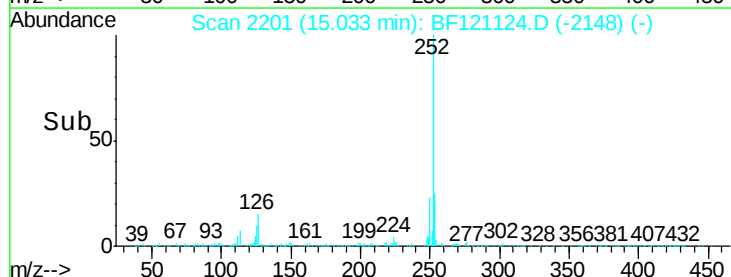
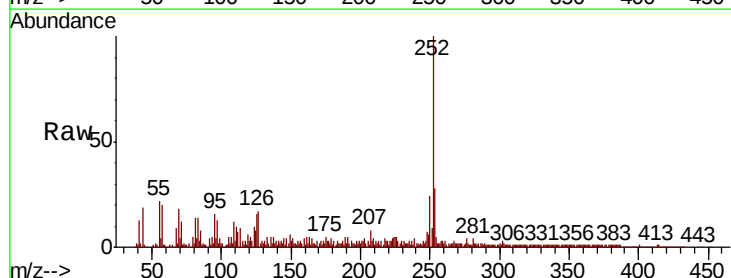
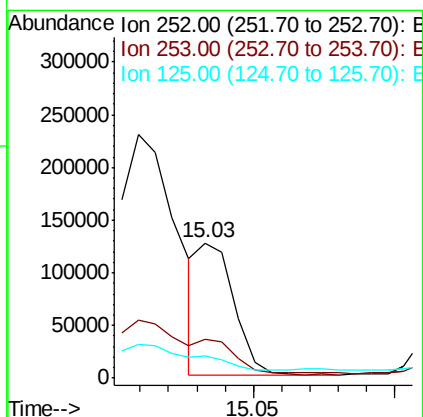
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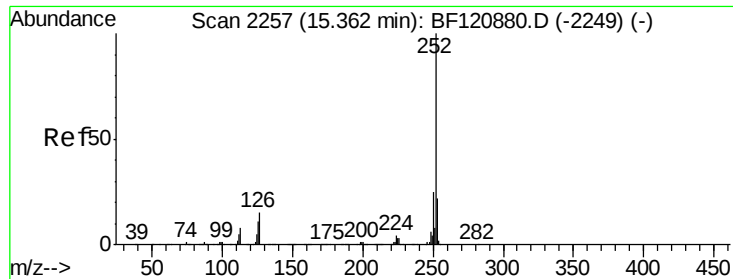
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.431 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.1	27.1
125	15.9	8.0	12.0





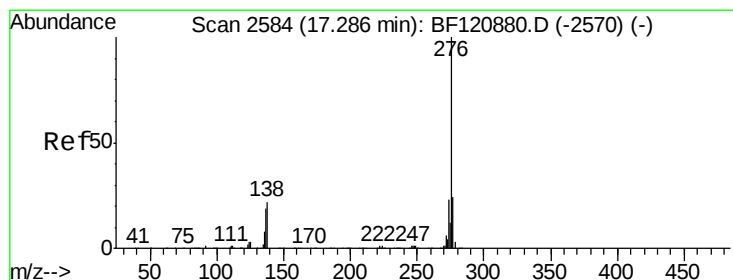
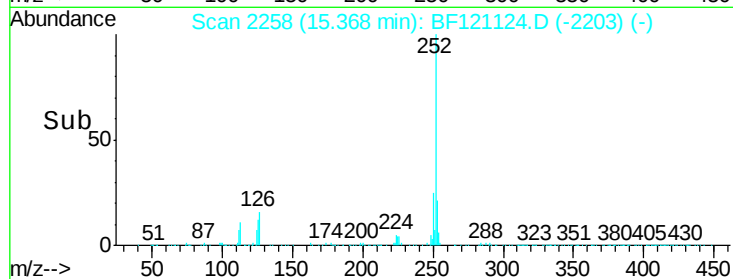
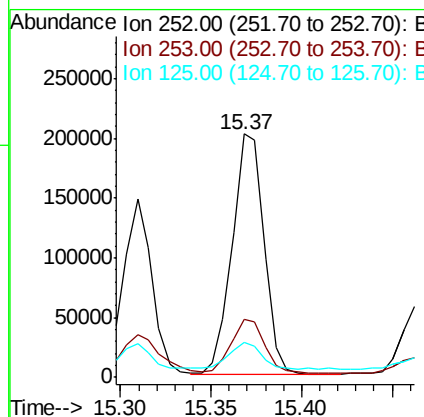
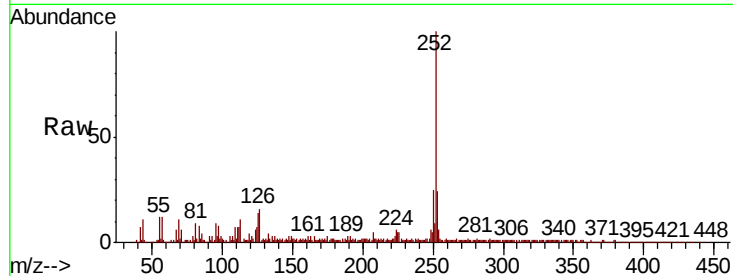
#90
Benzo(a)pyrene
Concen: 12.251 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.3	9.5	14.3

Manual Integrations
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7/30/2020 3:34:22 PM



#92
Benzo(g,h,i)perylene
Concen: 6.005 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.05 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.4	29.0
138	21.7	17.2	25.8

