

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121138.D
 Acq On : 30 Jul 2020 20:18
 Operator : JU/CG
 Sample : L3436-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7

Manual Integrations
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Quant Time: Jul 31 02:14:21 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	141170	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	546336	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	282728	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	509849	20.00	ng	0.00
76) Chrysene-d12	13.97	240	348527	20.00	ng	0.00
86) Perylene-d12	15.42	264	368806	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	133875	15.55	ng	-0.01
7) Phenol-d6	6.43	99	174906	15.72	ng	-0.02
23) Nitrobenzene-d5	7.36	82	99770	10.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	31267	10.10	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	221716	11.71	ng	0.00
79) Terphenyl-d14	12.91	244	202401	12.62	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	77805	2.776	ng	98
37) 2-Methylnaphthalene	8.79	142	46023	2.529	ng	96
38) 1-Methylnaphthalene	8.89	142	38928	2.259	ng	99
58) Fluorene	10.39	166	52565	2.806	ng	98
71) Phenanthrene	11.35	178	307537	11.728	ng	99
72) Anthracene	11.40	178	100199	3.805	ng	98
75) Fluoranthene	12.54	202	391521	13.471	ng	100
78) Pyrene	12.77	202	396470	16.090	ng	98
81) Benzo(a)anthracene	13.96	228	157829	7.478	ng	96
83) Chrysene	13.99	228	157186	7.087	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	62465	2.435	ng	97
88) Benzo(b)fluoranthene	15.00	252	162351m	7.283	ng	
89) Benzo(k)fluoranthene	15.02	252	50604m	2.489	ng	
90) Benzo(a)pyrene	15.36	252	126338	6.212	ng	# 94
92) Benzo(a,h,i)perylene	17.29	276	56756	2.747	ng	# 93

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

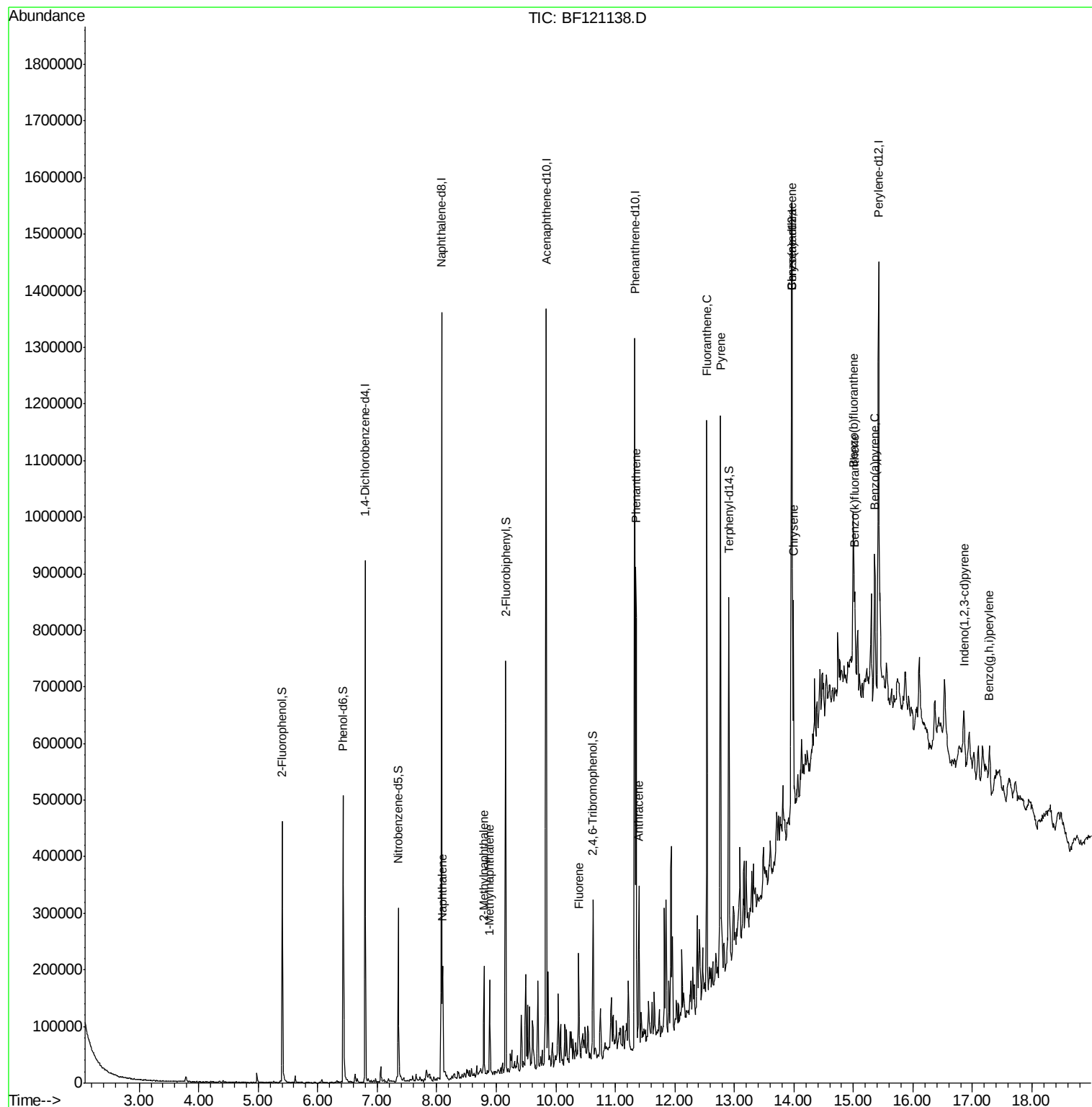
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121138.D
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ALS Vial : 14 Sample Multiplier: 1

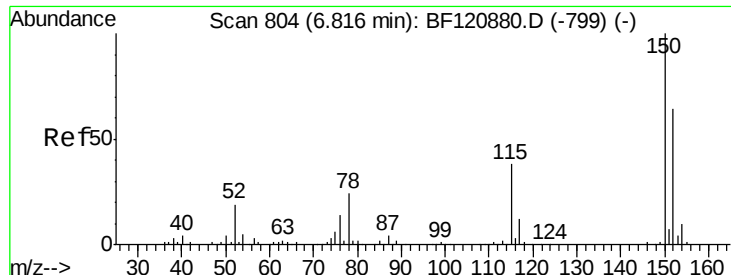
Instrument :
BNA_F
ClientSampled :
7

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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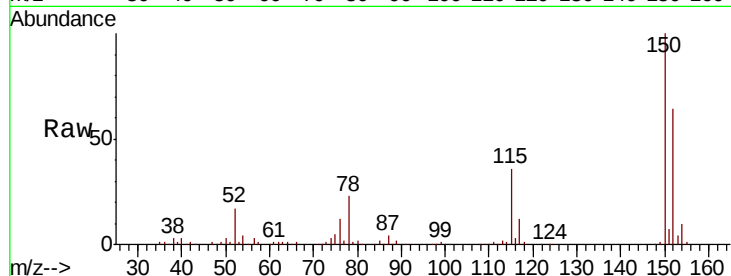
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 7

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.6	188.4
115	56.5	46.2	69.2

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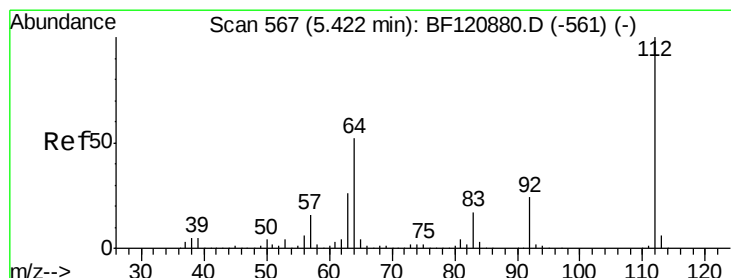
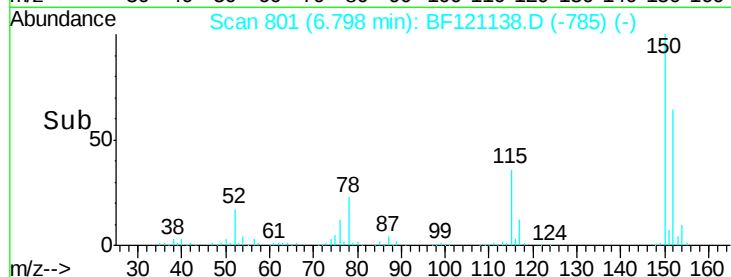
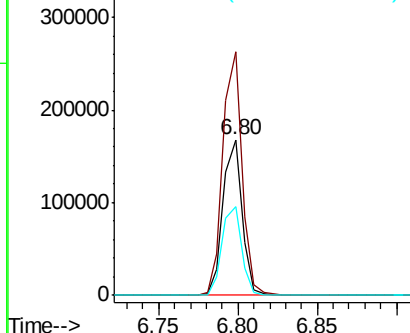


Abundance

Ion 152.00 (151.70 to 152.70): E

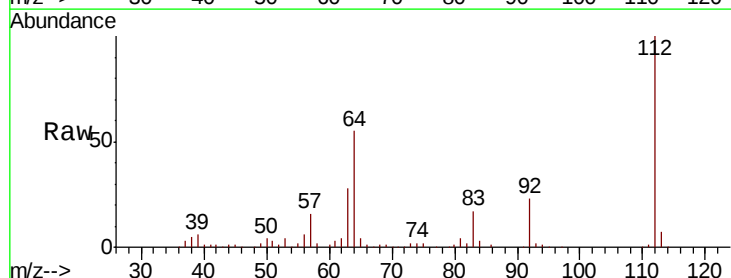
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 15.546 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	43.9	65.9
63	27.9	22.7	34.1

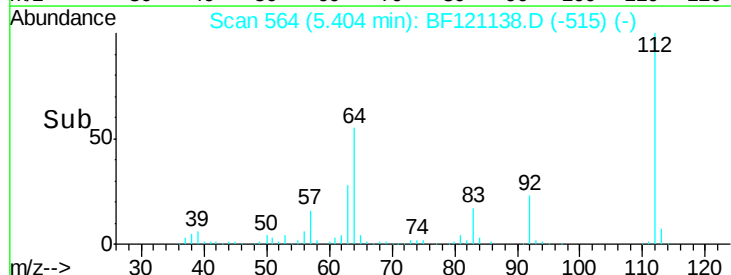
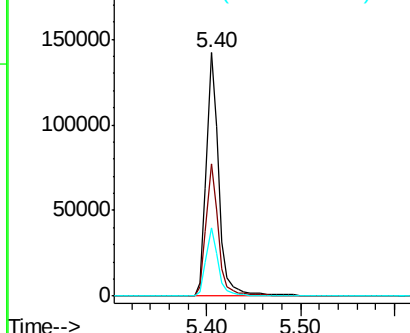


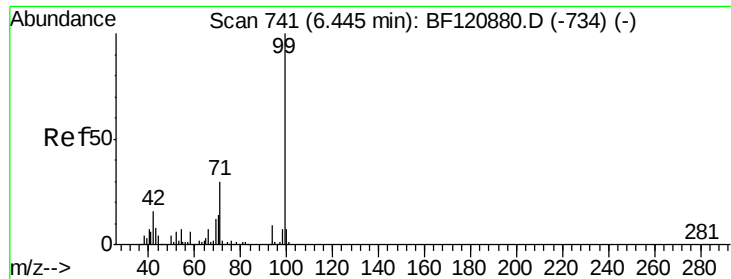
Abundance

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: 15.724 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

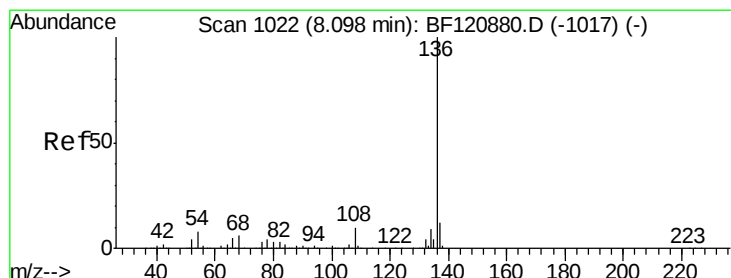
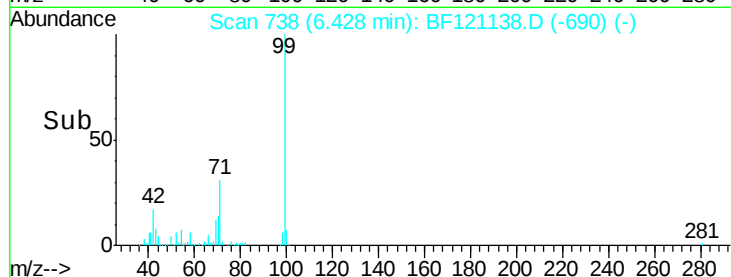
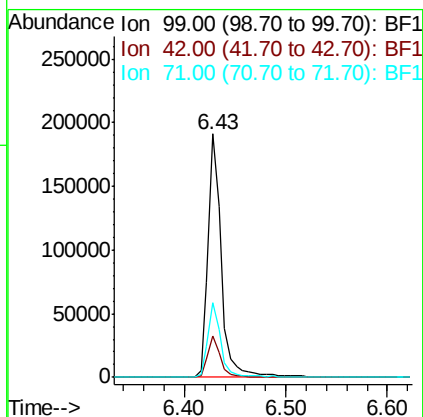
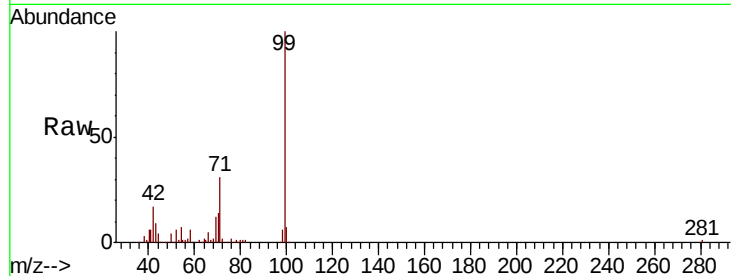
ClientSampled :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		174906		
42	16.9	13.5	20.3		
71	30.7	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

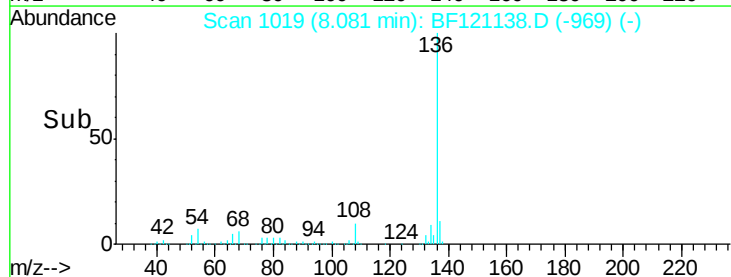
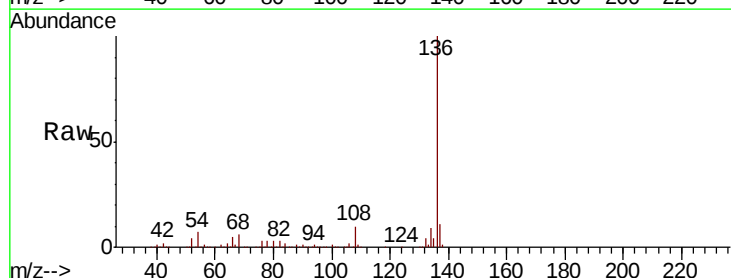
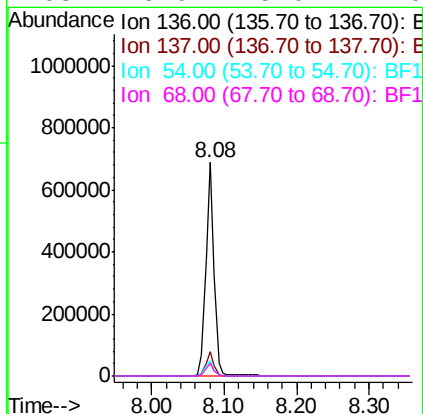
RT: 8.08 min Scan# 1019

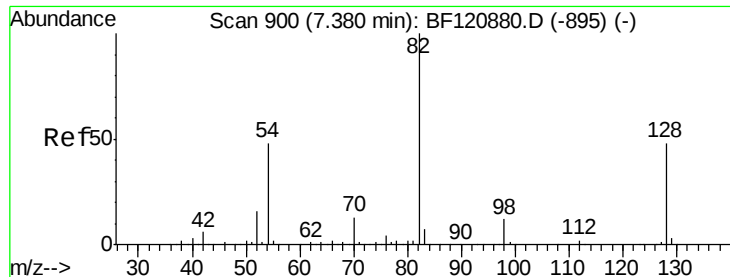
Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		546336		
137	11.1	9.0	13.4		
54	7.2	6.1	9.1		
68	5.9	5.0	7.6		





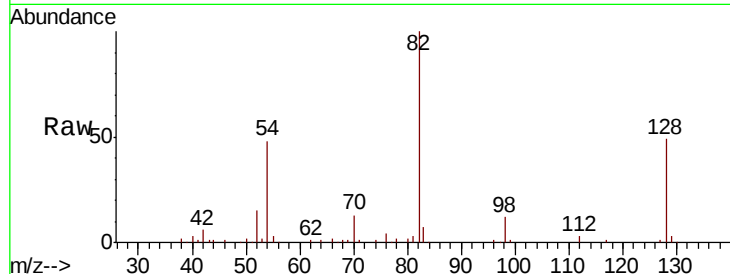
#23
Nitrobenzene-d5
Concen: 10.567 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampled :
7

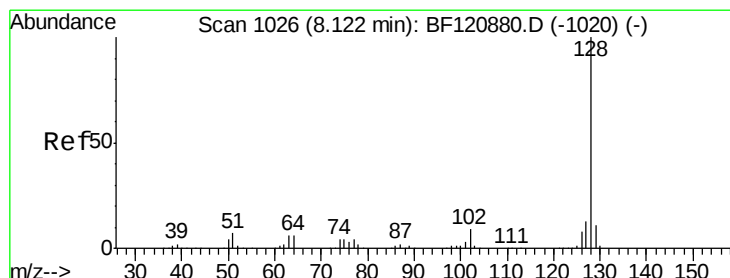
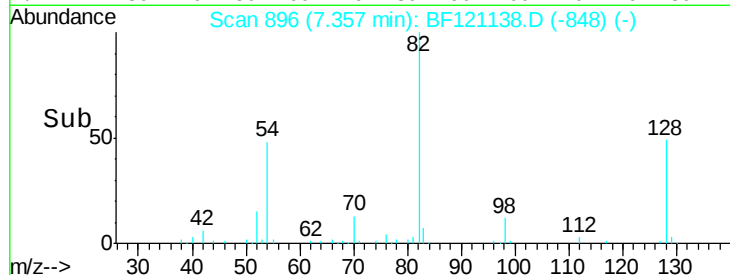
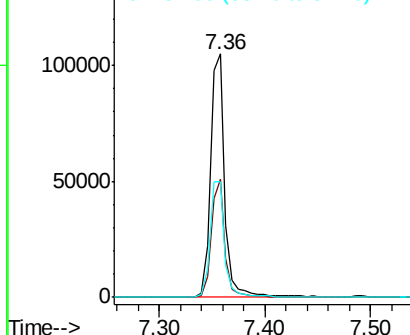
Tot Ion	82	Resp	99770
Ion Ratio	100	Lower	Upper
82	100		
128	48.7	39.2	58.8
54	47.6	37.8	56.8

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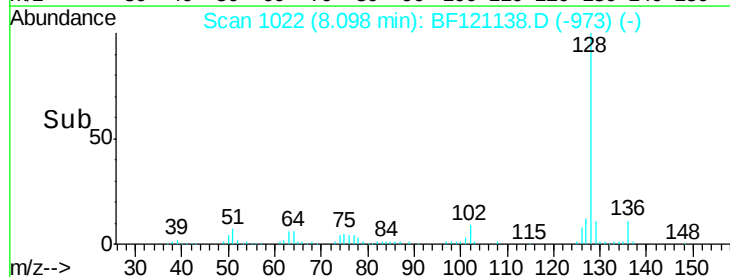
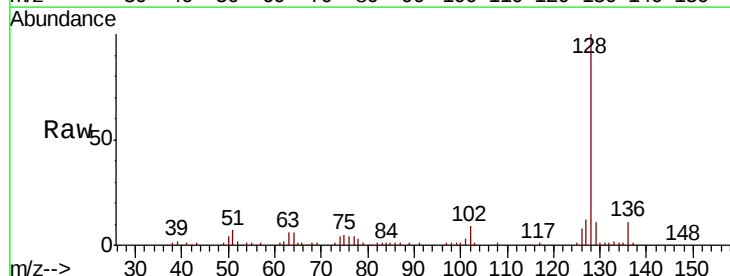
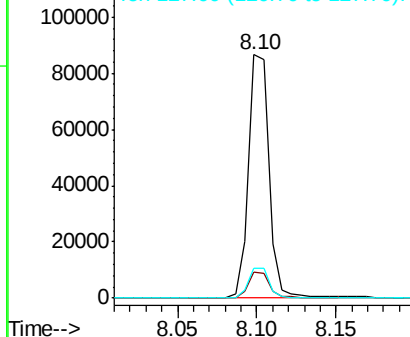
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

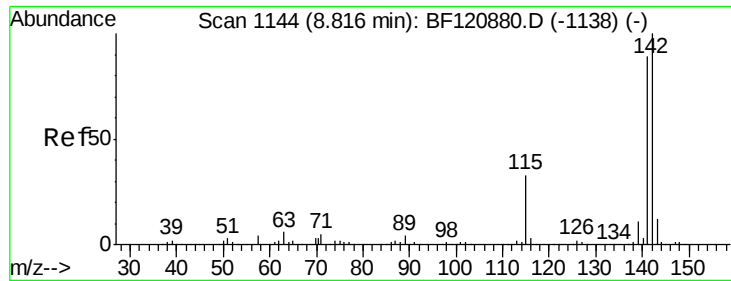


#31
Naphthalene
Concen: 2.776 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	128	Resp	77805
Ion Ratio	100	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	12.4	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





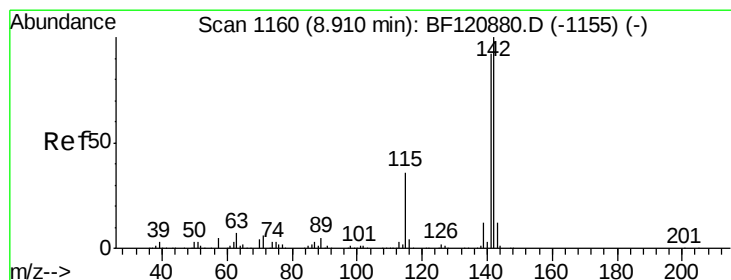
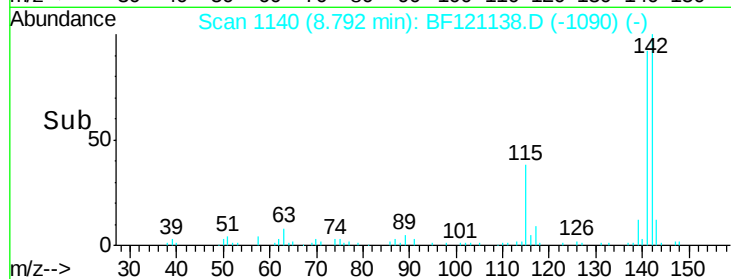
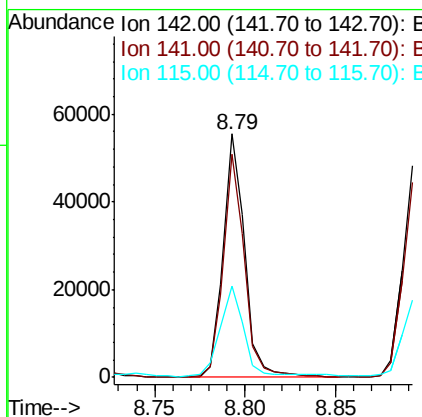
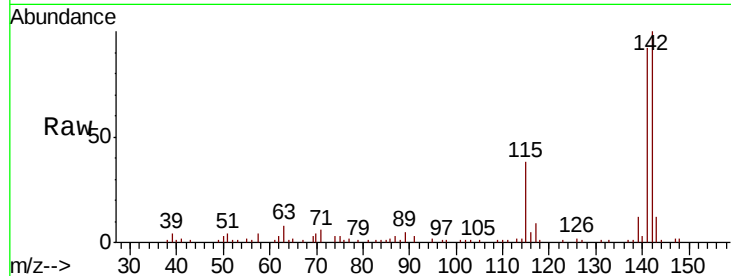
#37
2-Methylnaphthalene
Concen: 2.529 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampled :
7

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.6	105.8
115	37.8	27.1	40.7

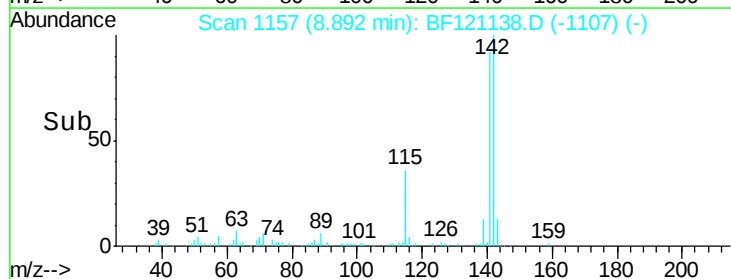
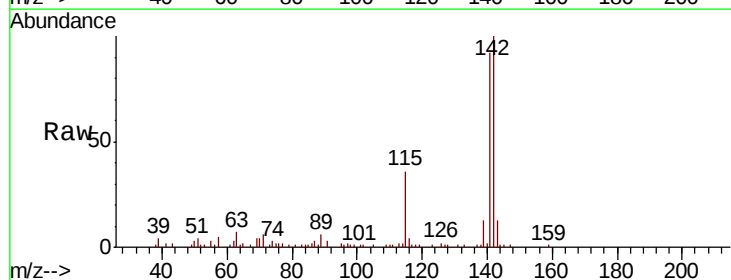
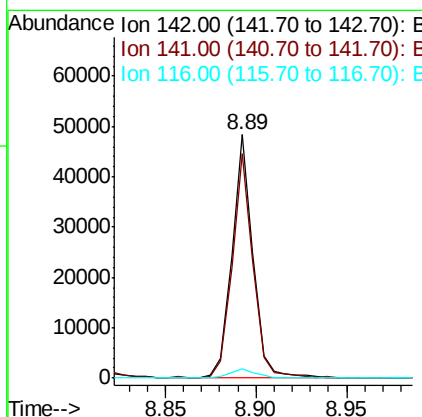
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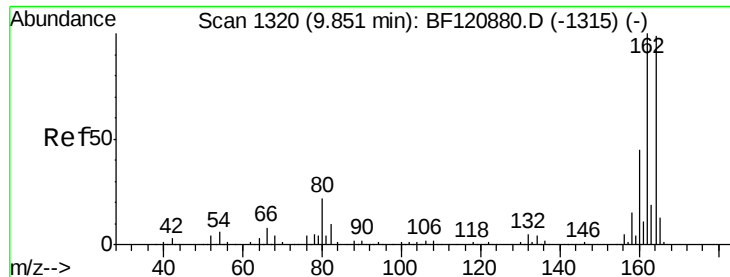
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#38
1-Methylnaphthalene
Concen: 2.259 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.0	109.6
116	3.8	3.0	4.6





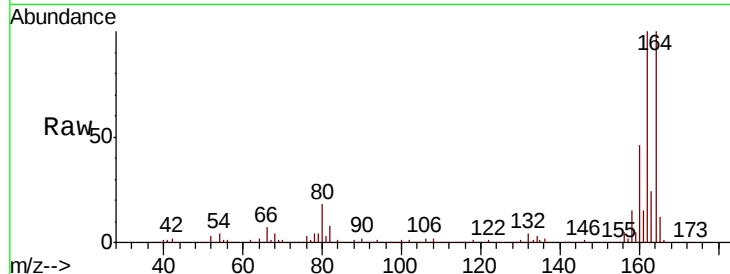
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampleId :
7

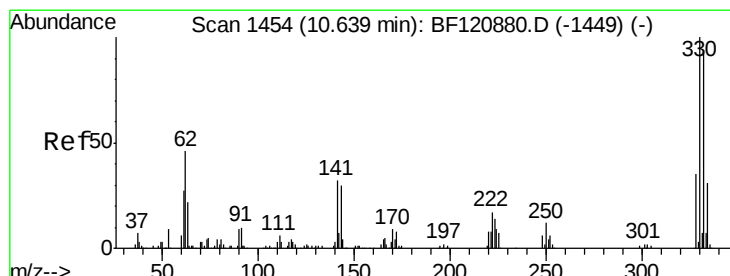
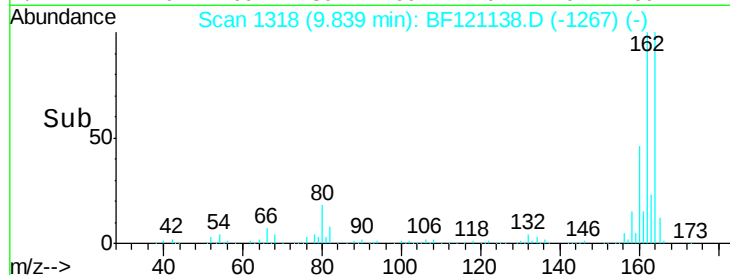
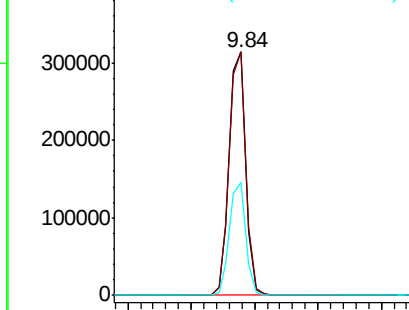
Tot Ion	Ratio	Resp	Lower	Upper
164	100	282728		
162	100.0	82.2	123.2	
160	46.2	37.2	55.8	

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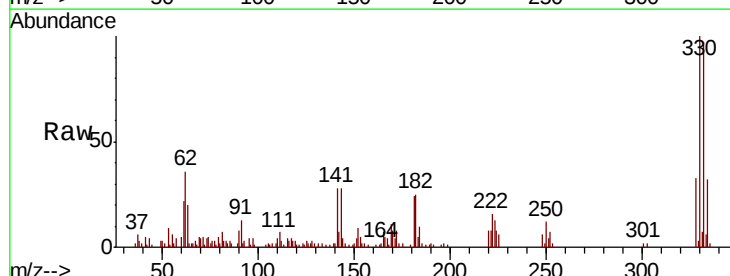


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

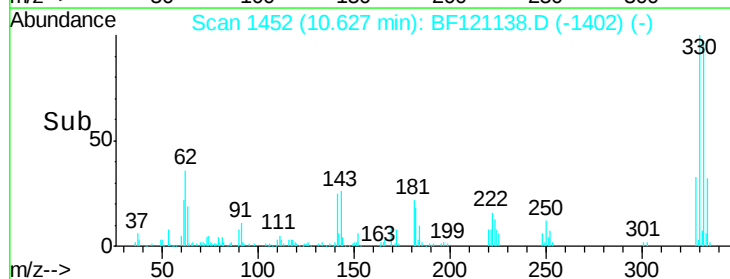
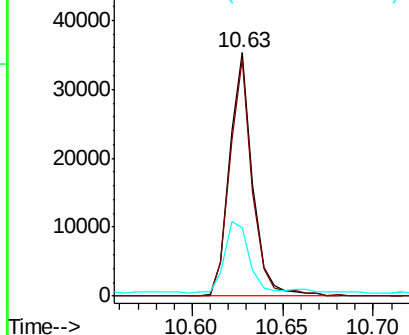


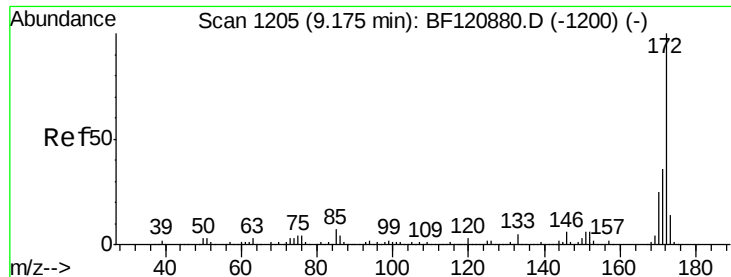
#42
2,4,6-Tribromophenol
Concen: 10.103 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	31267		
332	96.0	76.1	114.1	
141	30.9	24.1	36.1	



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





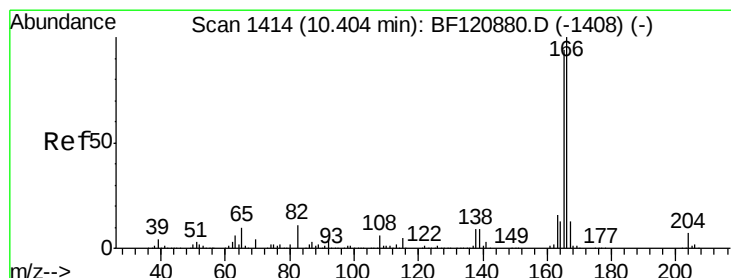
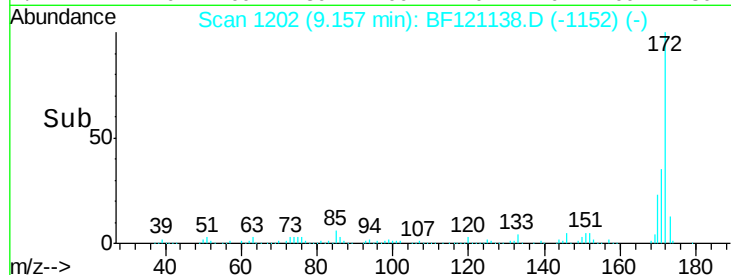
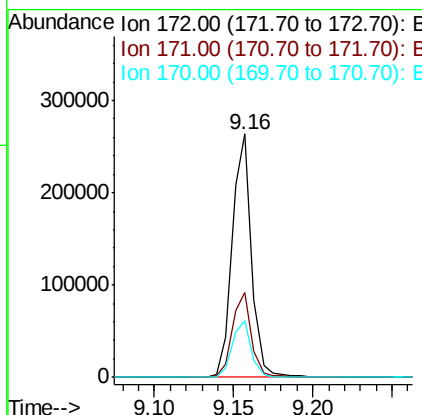
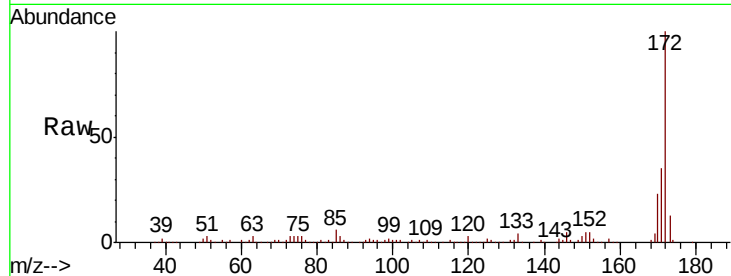
#45
2-Fluorobiphenyl
Concen: 11.708 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampleId :
7

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.0	43.4	
170	23.5	19.6	29.4	

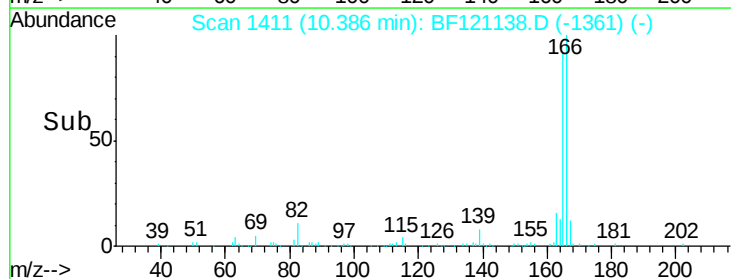
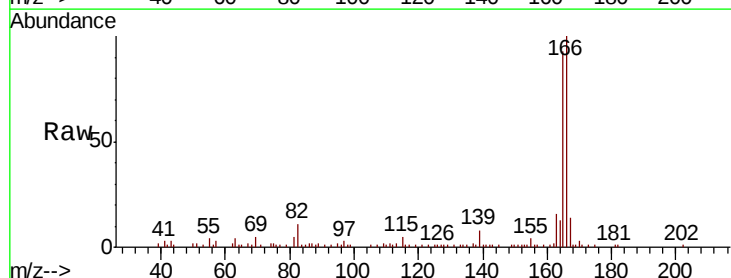
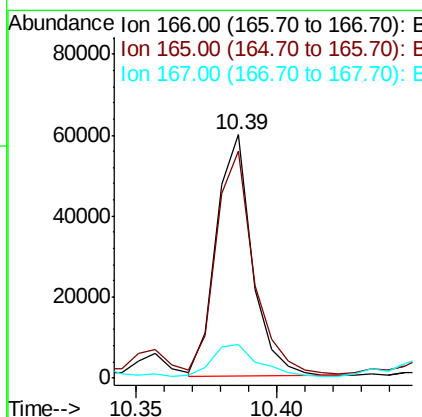
Manual Integrations
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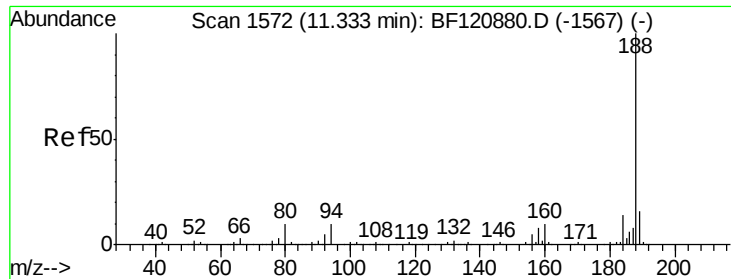
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#58
Fluorene
Concen: 2.806 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.3	76.4	114.6	
167	14.1	10.7	16.1	





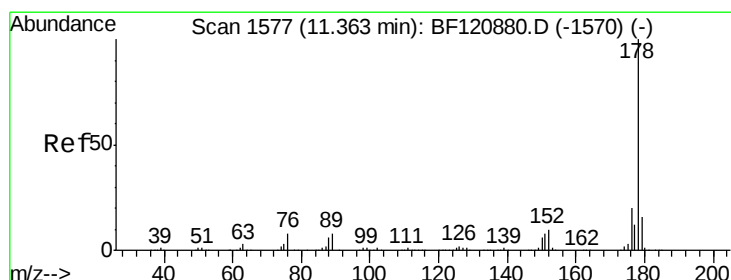
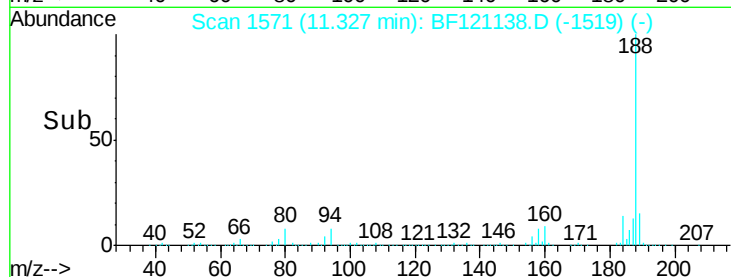
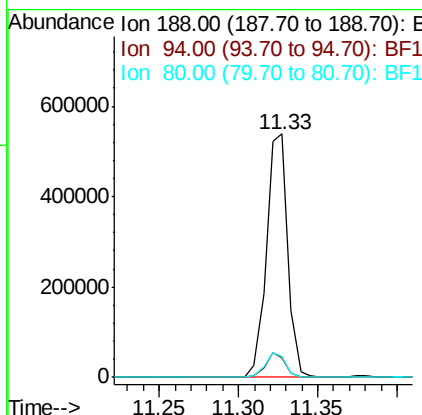
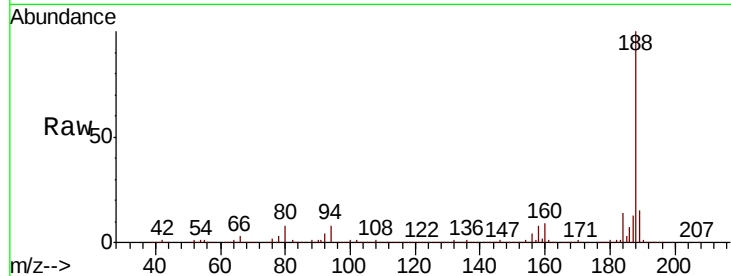
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	509849		
94	8.2		8.0	12.0
80	8.5		8.3	12.5

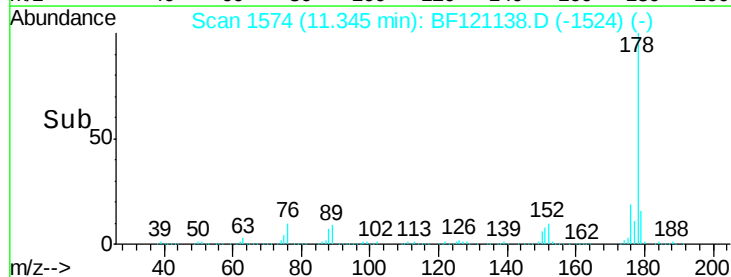
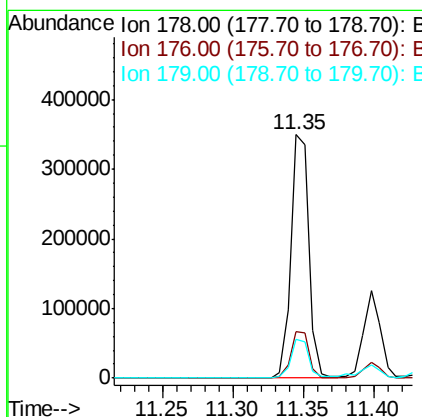
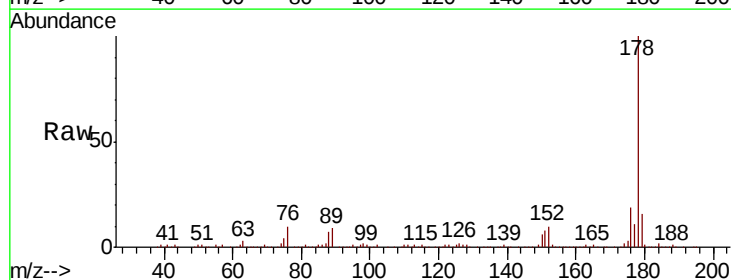
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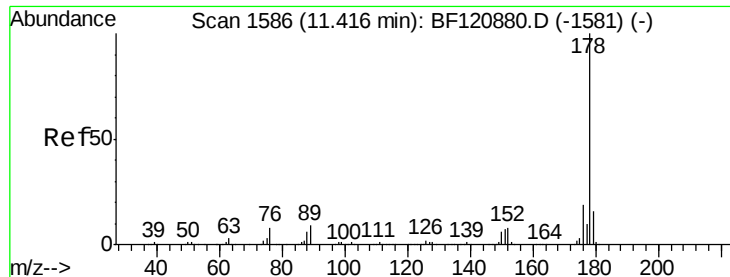
Sohil
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#71
Phenanthrene
Concen: 11.728 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	307537		
176	19.3		16.2	24.2
179	16.1		12.6	19.0





#72

Anthracene

Concen: 3.805 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

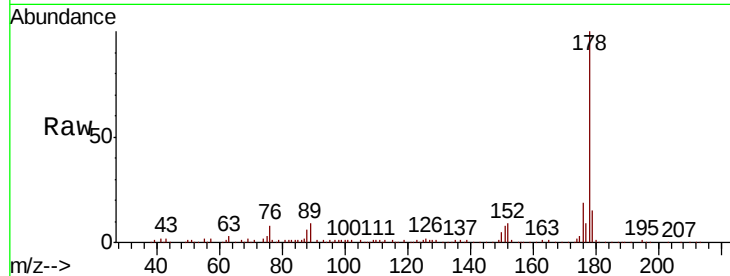
ClientSampleId :

7

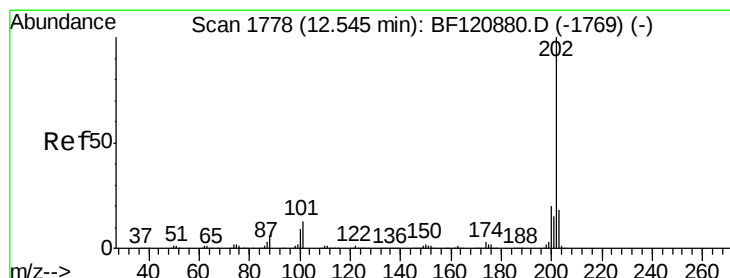
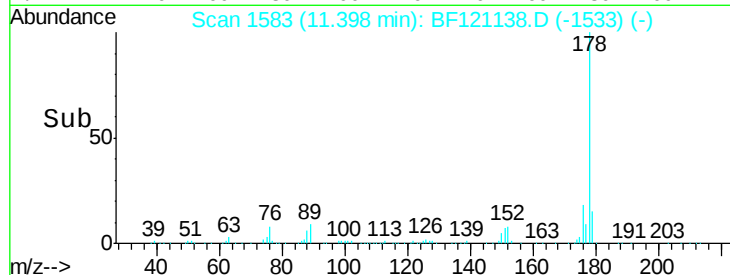
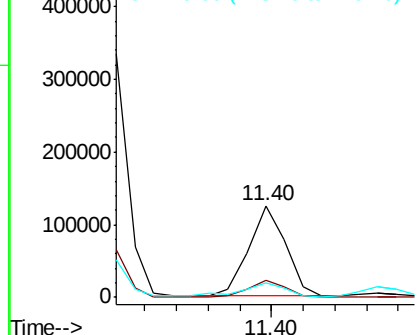
Tot Ion:	178	Resp:	100199
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.8
179	15.2	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 13.471 ng

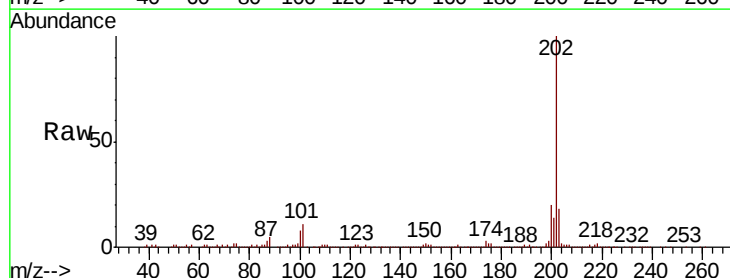
RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

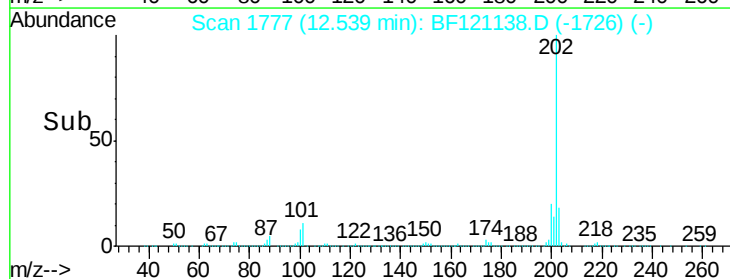
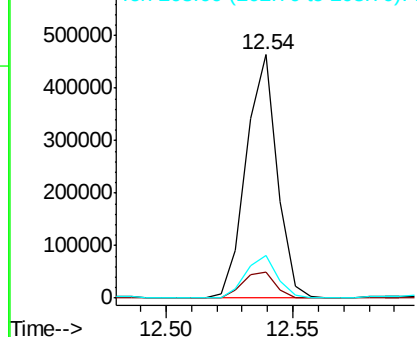
Lab File: BF121138.D

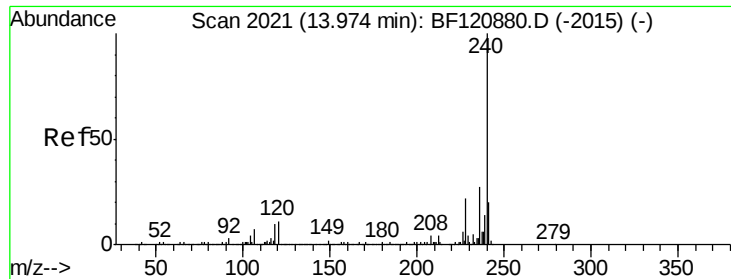
Acq: 30 Jul 2020 20:18

Tgt Ion:	202	Resp:	391521
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	30.5
203	17.7	0.0	37.7



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

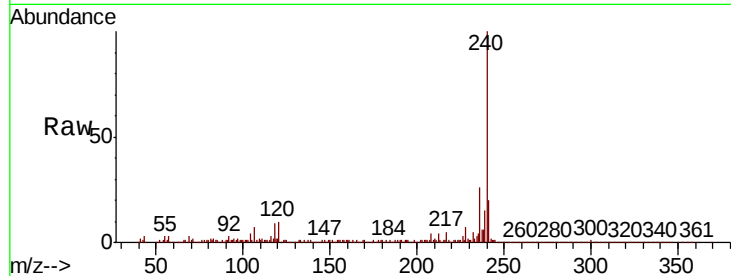
ClientSampled :

7

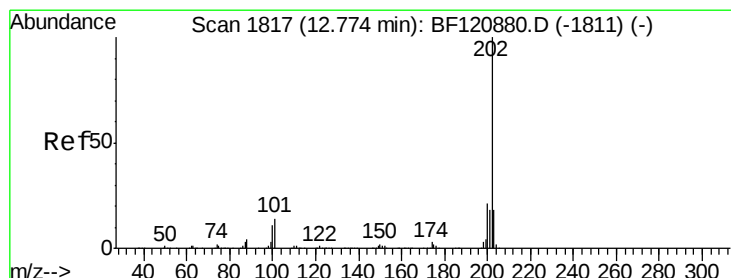
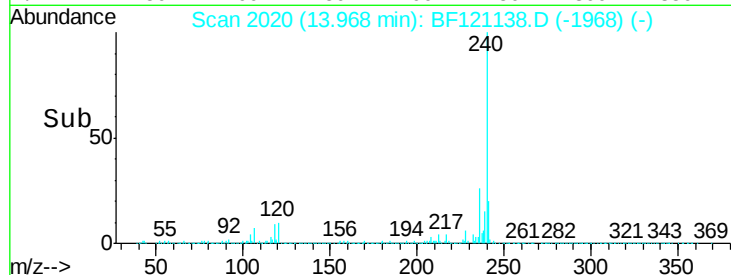
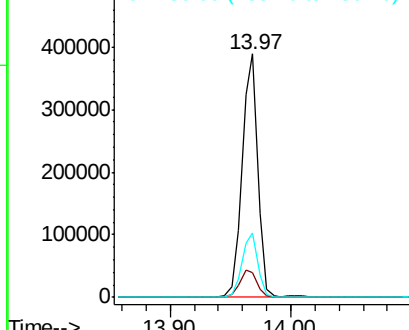
Tot Ion:	240	Resp:	348527
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.3	13.9
236	26.2	21.1	31.7

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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

Pyrene

Concen: 16.090 ng

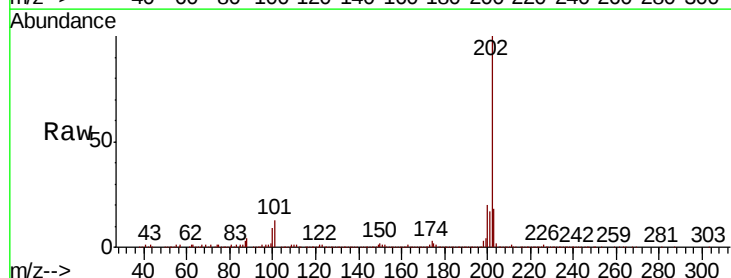
RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

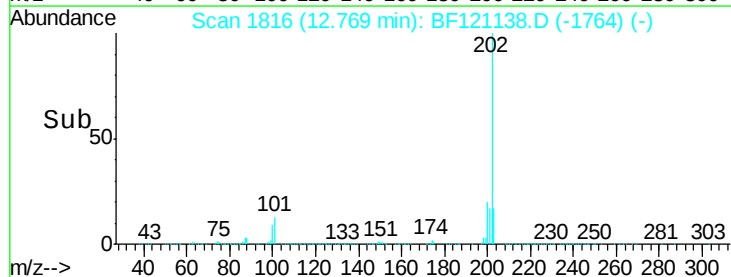
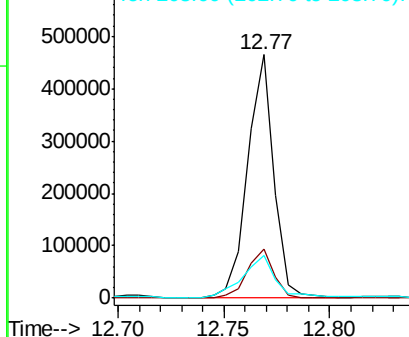
Lab File: BF121138.D

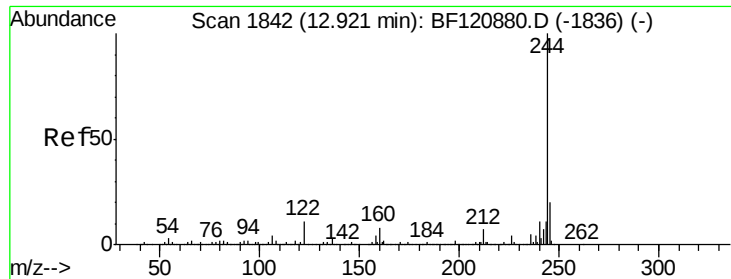
Acq: 30 Jul 2020 20:18

Tgt Ion:	202	Resp:	396470
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.0	25.6
203	17.6	14.6	21.8



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





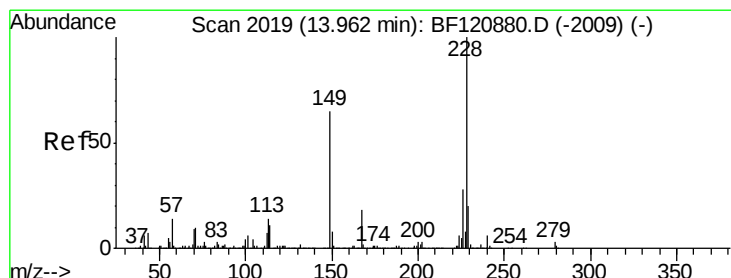
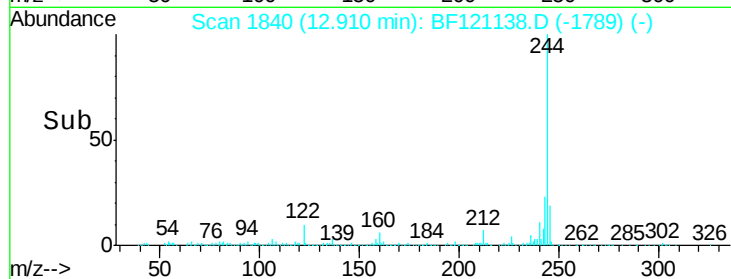
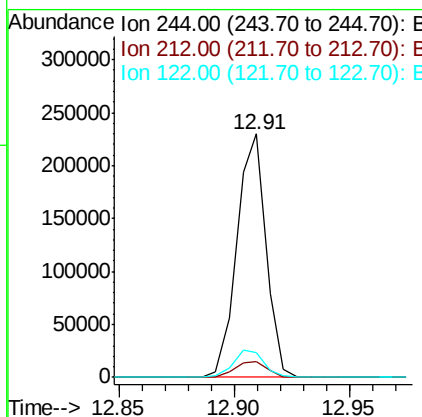
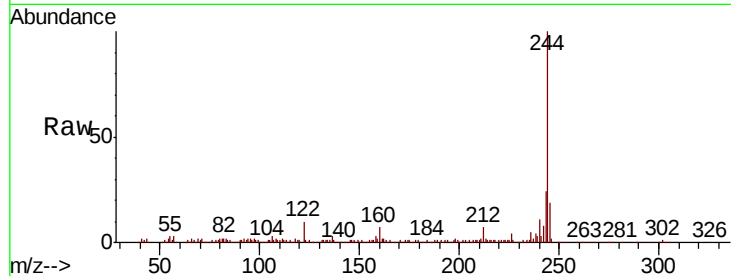
#79
 Terphenyl-d14
 Concen: 12.624 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 7

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.3	8.3	12.5

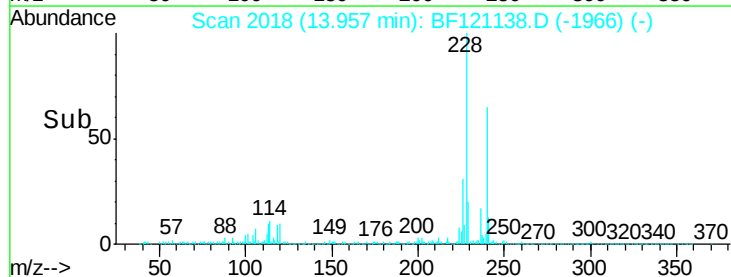
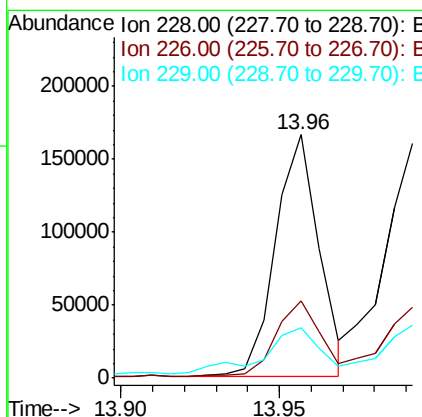
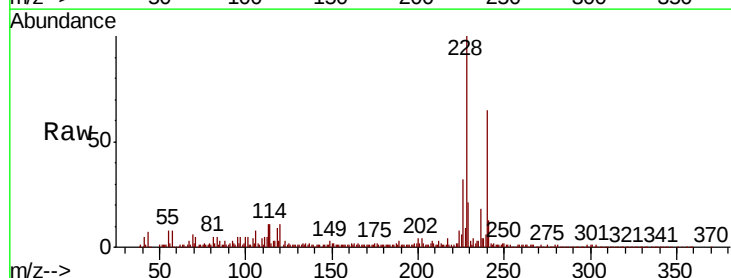
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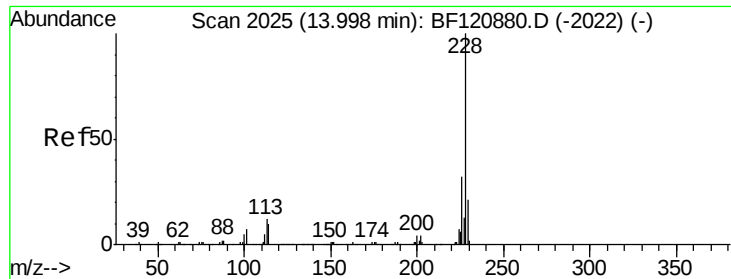
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#81
 Benzo(a)anthracene
 Concen: 7.478 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	34.0
229	20.7	16.1	24.1





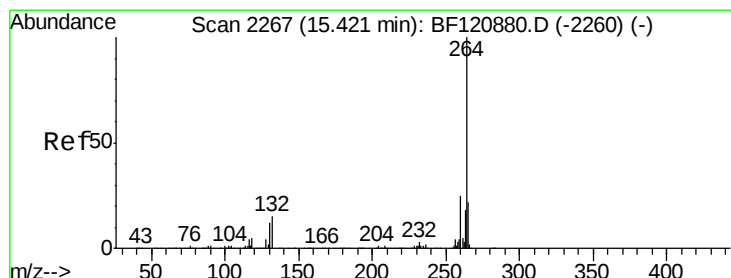
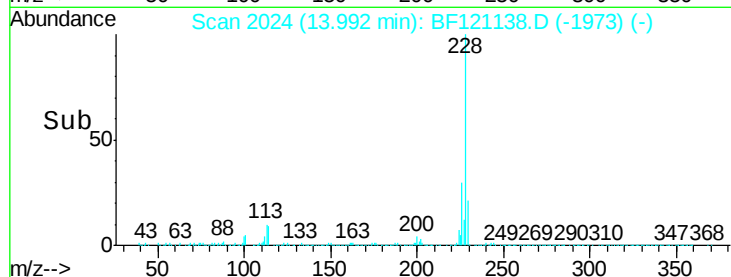
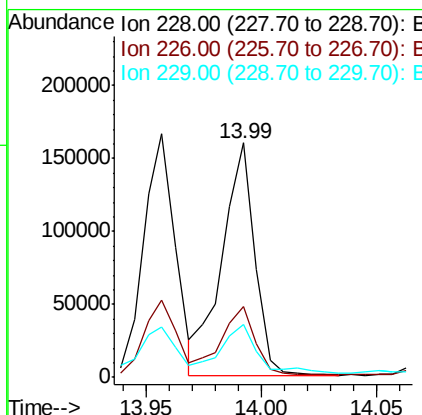
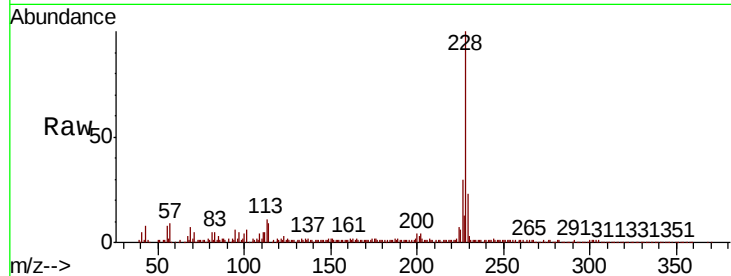
#83
Chrysene
Concen: 7.087 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampled :
7

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	22.5	16.2	24.4

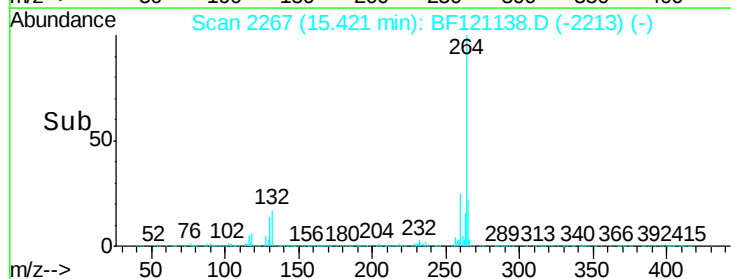
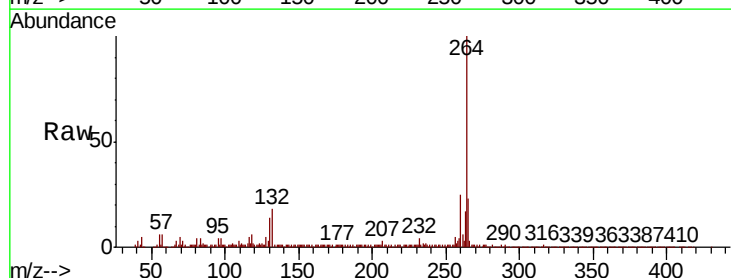
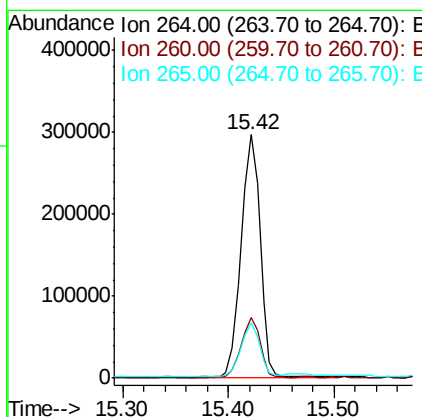
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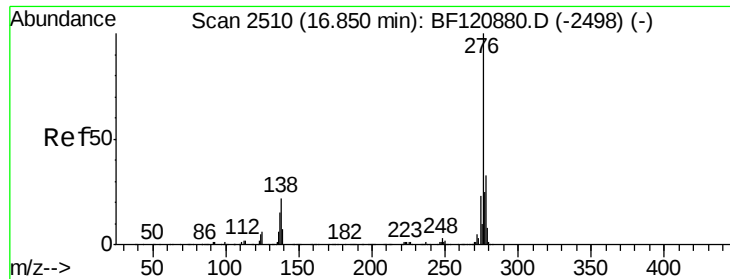
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.9	29.9
265	22.5	17.8	26.8





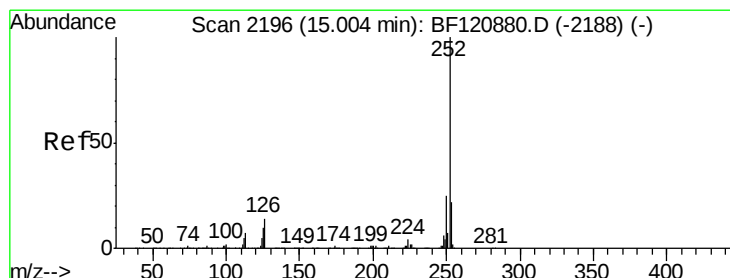
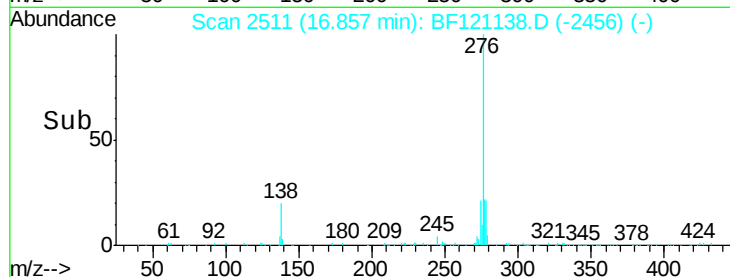
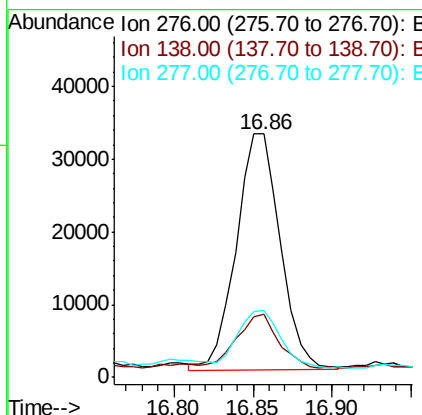
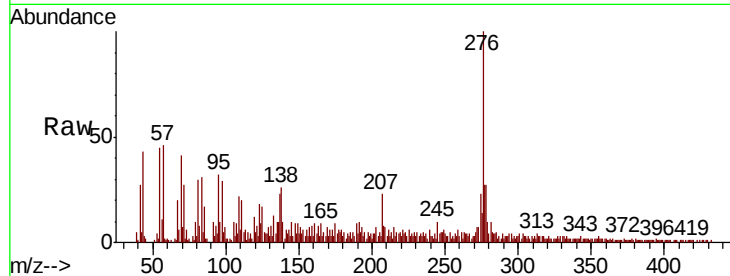
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.435 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 7

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.3	28.9
277	24.4	20.1	30.1

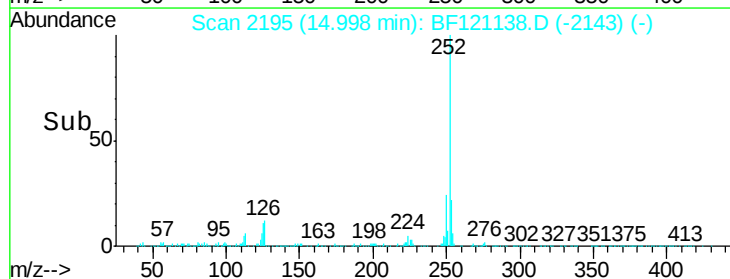
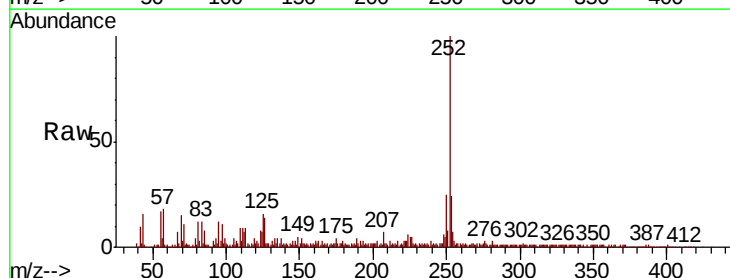
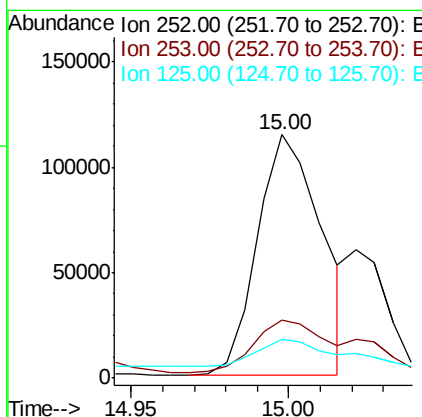
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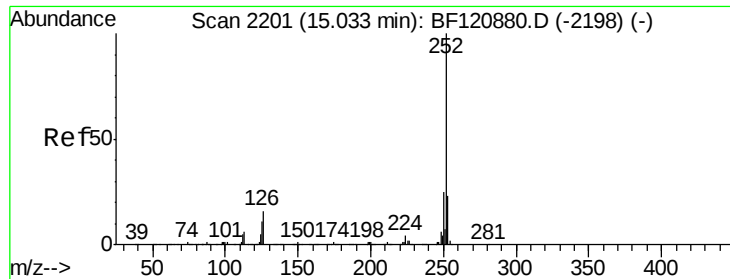
Sohil
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#88
 Benzo(b)fluoranthene
 Concen: 7.283 ng m
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	15.7	8.1	12.1#





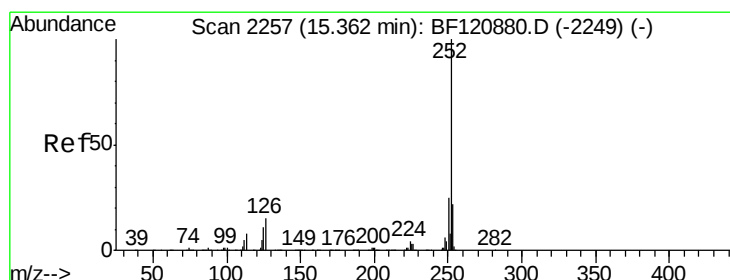
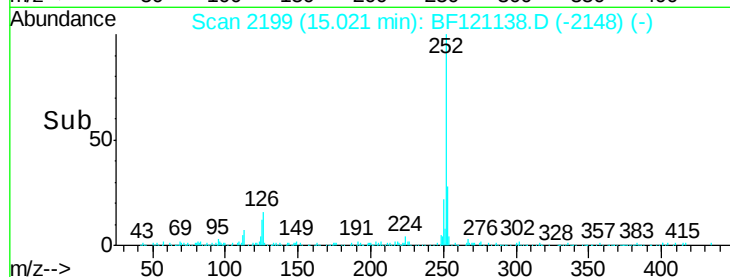
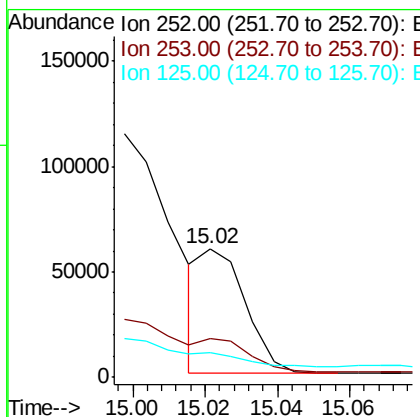
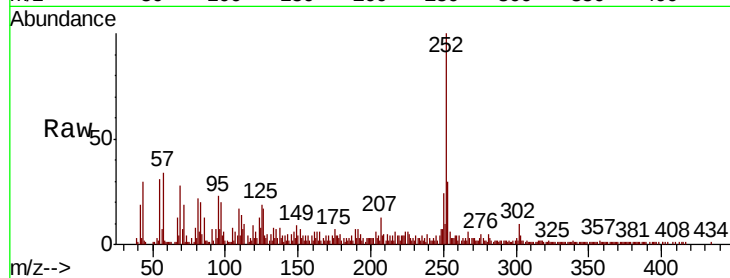
#89
Benzo(k)fluoranthene
Concen: 2.489 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampled :
7

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	18.1	27.1#
125	19.5	8.0	12.0#

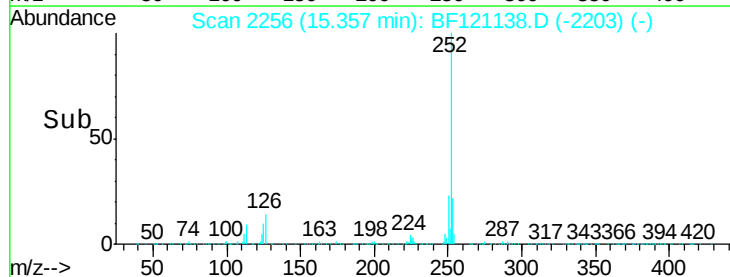
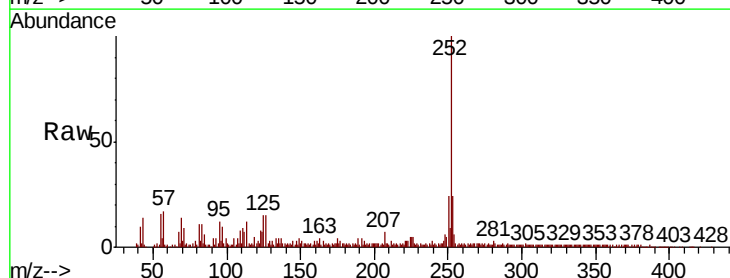
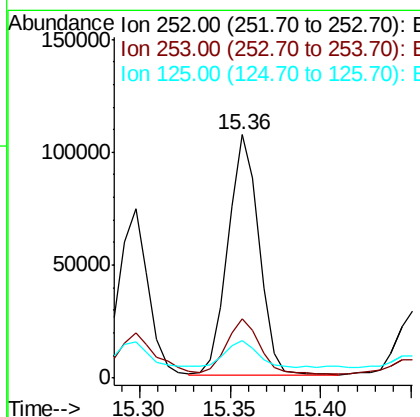
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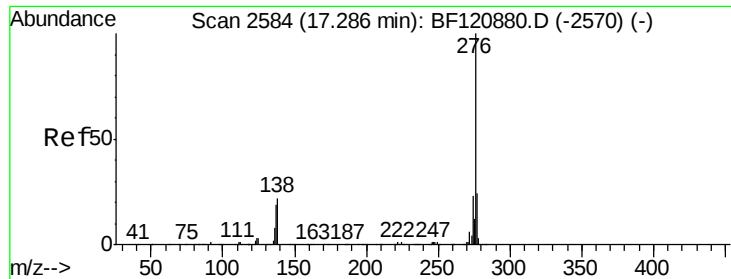
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#90
Benzo(a)pyrene
Concen: 6.212 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	15.4	9.5	14.3#





#92
 Benzo(a,h,i)perylene
 Concen: 2.747 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.02 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 7

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.0
138	26.5	17.2	25.8

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