

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
 Data File : BF121571.D
 Acq On : 15 Sep 2020 11:30
 Operator : JU/CG
 Sample : L3981-04RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B18-0-2RE

Manual Integrations
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Quant Time: Sep 22 08:41:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	191815	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	739898	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	383256	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	687332	20.00	ng	0.00
76) Chrysene-d12	13.99	240	478693	20.00	ng	0.00
86) Perylene-d12	15.45	264	489521	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	509060	39.44	ng	0.01
7) Phenol-d6	6.47	99	764317	45.14	ng	0.00
23) Nitrobenzene-d5	7.39	82	437232	31.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	332823	69.87	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1089396	43.05	ng	0.00
79) Terphenyl-d14	12.94	244	1269150	53.71	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	151446	5.452	ng	Qvalue 100
71) Phenanthrene	11.37	178	674187	18.003	ng	99
72) Anthracene	11.42	178	142055	3.676	ng	98
75) Fluoranthene	12.56	202	1364082	34.122	ng	100
78) Pyrene	12.79	202	1383667	39.562	ng	100
81) Benzo(a)anthracene	13.98	228	673365	22.235	ng	98
83) Chrysene	14.02	228	705701	23.012	ng	98
87) Indeno(1,2,3-cd)pyrene	16.89	276	549381	17.233	ng	95
88) Benzo(b)fluoranthene	15.03	252	1032044m	31.537	ng	
89) Benzo(k)fluoranthene	15.05	252	280405m	9.357	ng	
90) Benzo(a)pyrene	15.39	252	715019	25.704	ng	# 95
91) Dibenzo(a,h)anthracene	16.90	278	143908	5.423	ng	93
92) Benzo(a,h,i)perylene	17.33	276	528581	20.263	ng	98

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

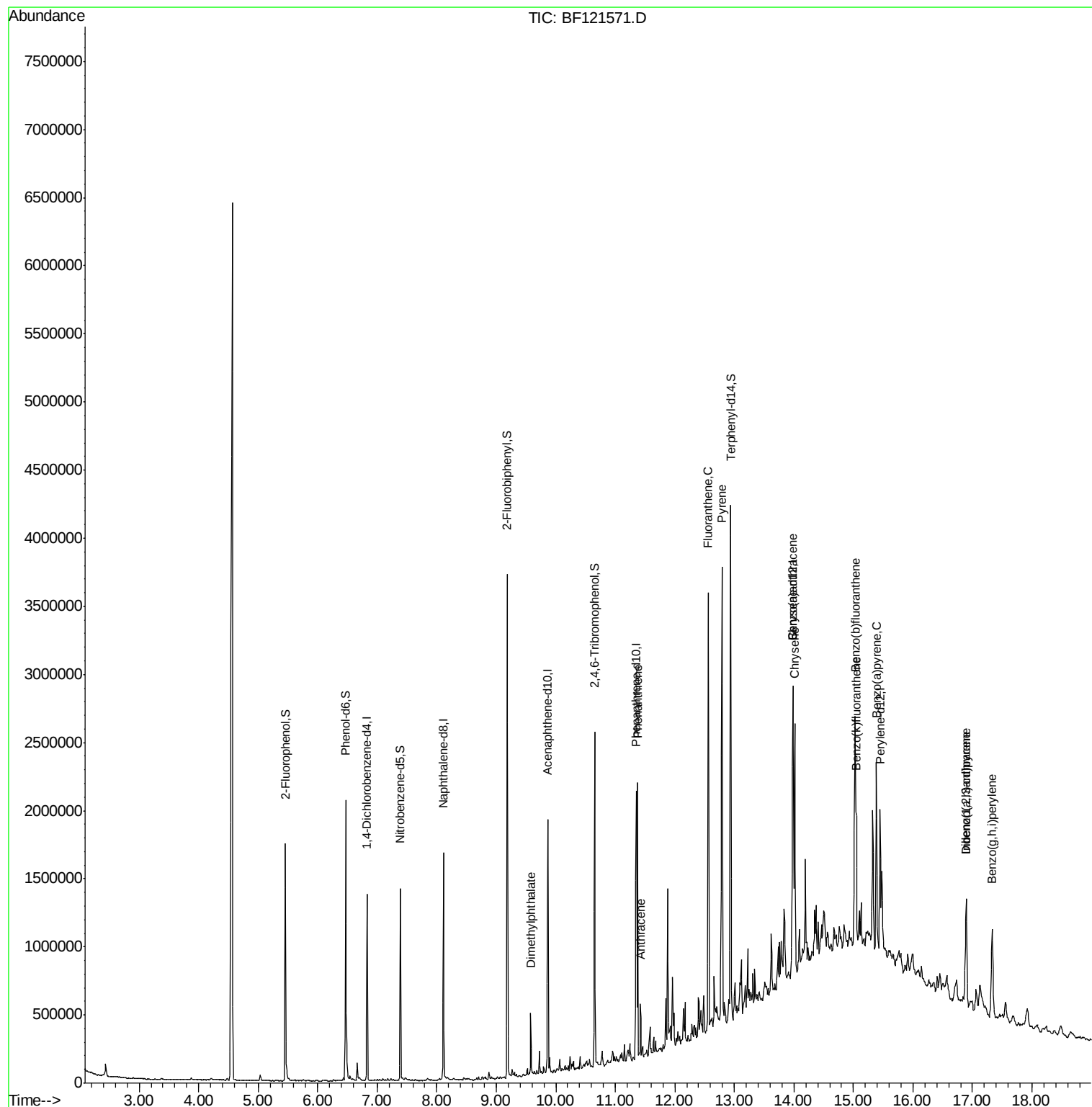
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121571.D
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Operator : JU/CG
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Misc :
ALS Vial : 4 Sample Multiplier: 1

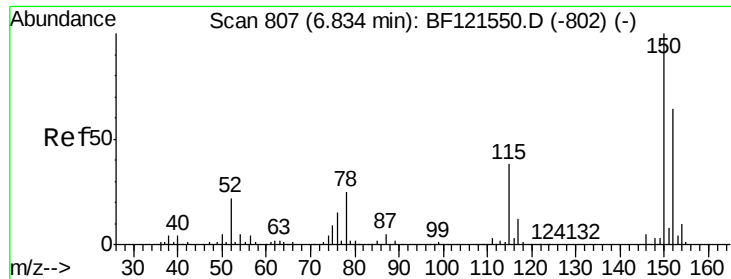
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

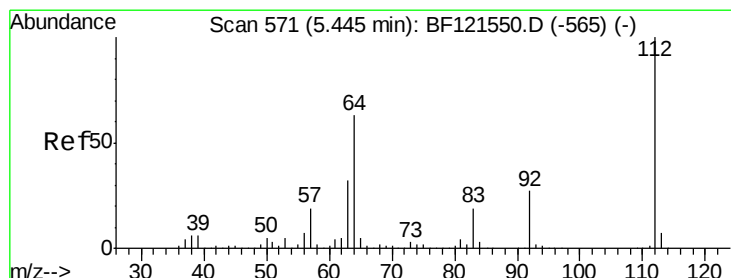
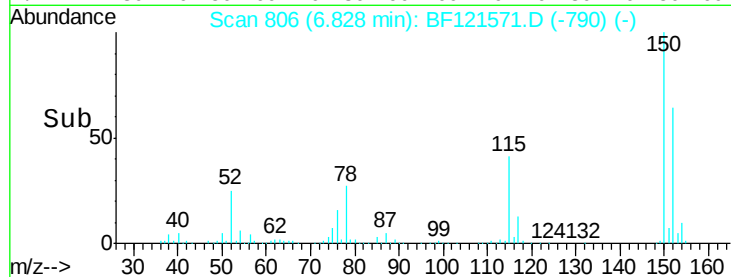
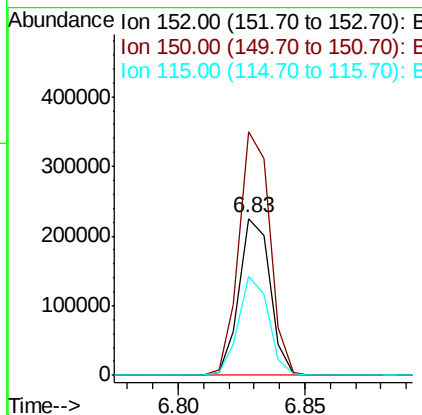
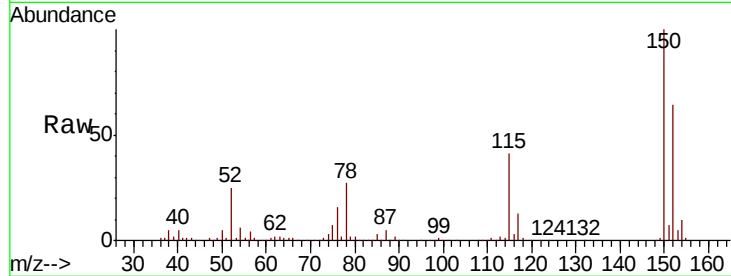
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Instrument :
BNA_F
ClientSampleId :
B18-0-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.8	188.6
115	63.5	47.8	71.8

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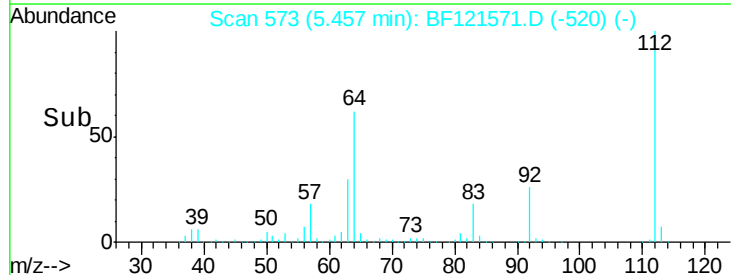
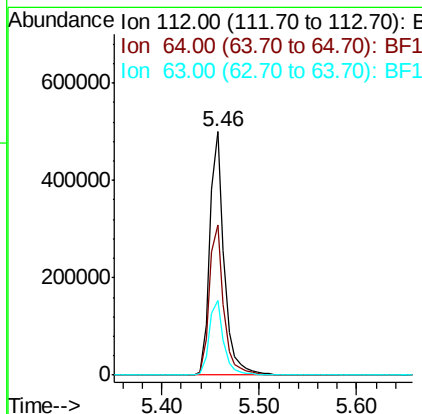
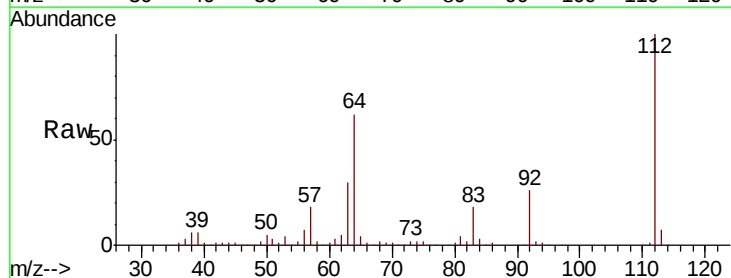
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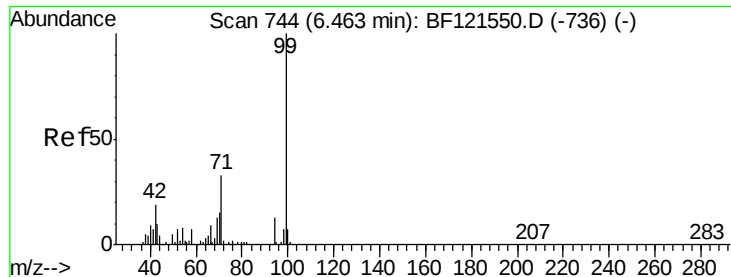


#5

2-Fluorophenol
Concen: 39.440 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	50.3	75.5
63	30.5	25.6	38.4





#7

Phenol-d6

Concen: 45.137 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Instrument :

BNA_F

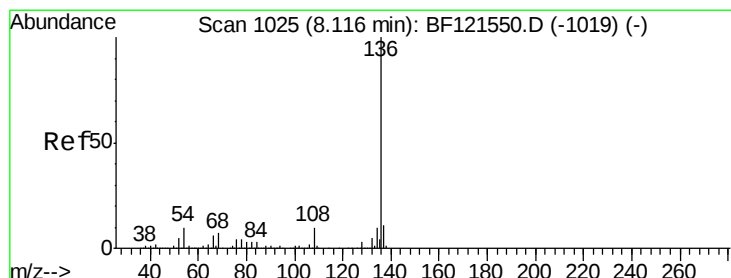
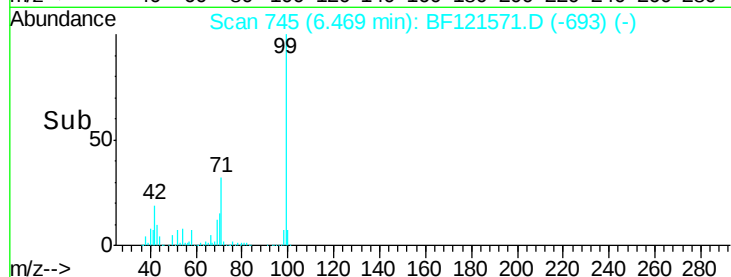
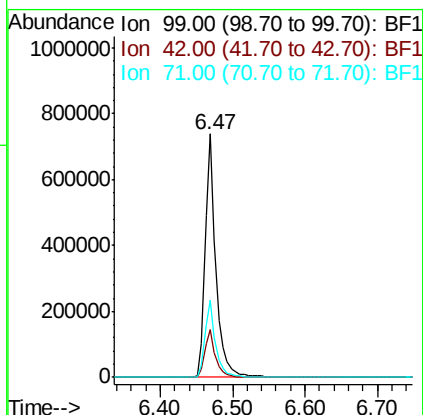
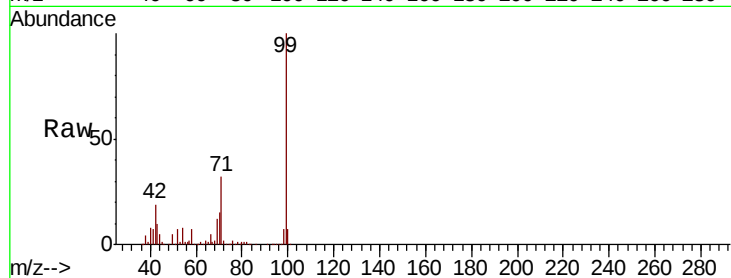
ClientSampleId :

B18-0-2RE

Tot Ion:	99	Resp:	764317
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.5	23.3
71	31.8	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

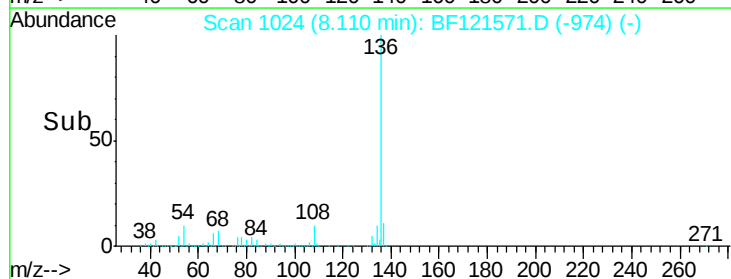
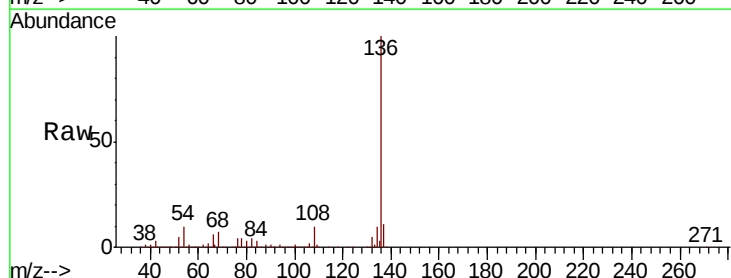
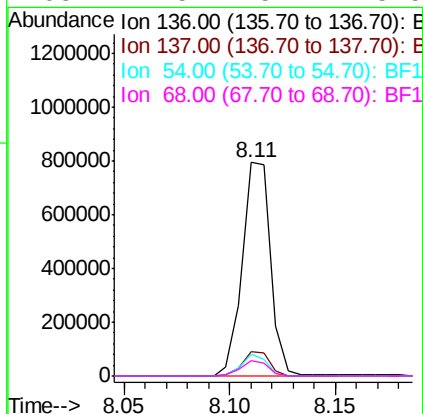
RT: 8.11 min Scan# 1024

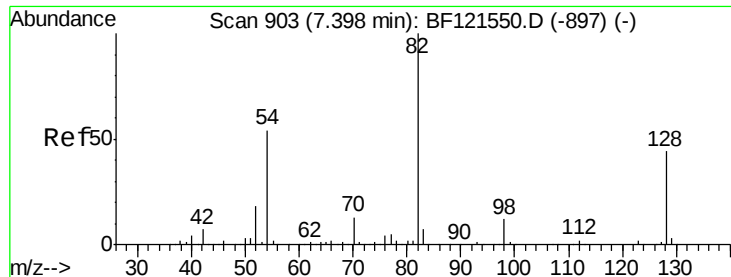
Delta R.T. -0.01 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Tgt Ion:	136	Resp:	739898
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	10.1	7.6	11.4
68	7.5	5.7	8.5





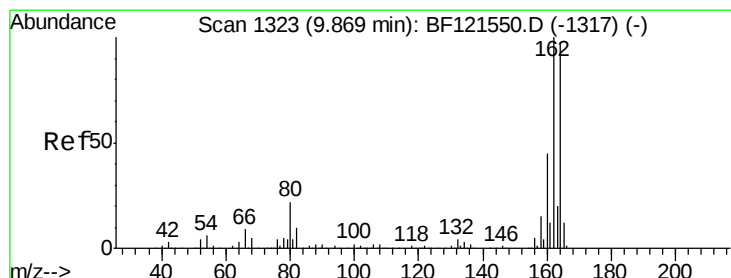
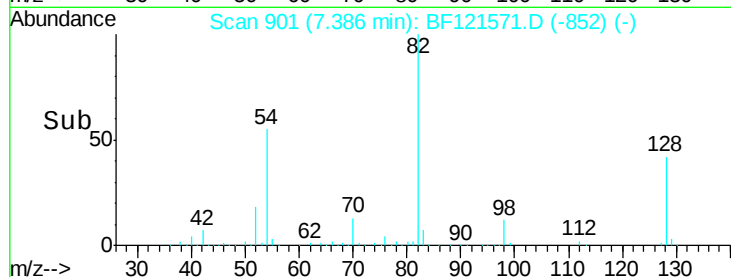
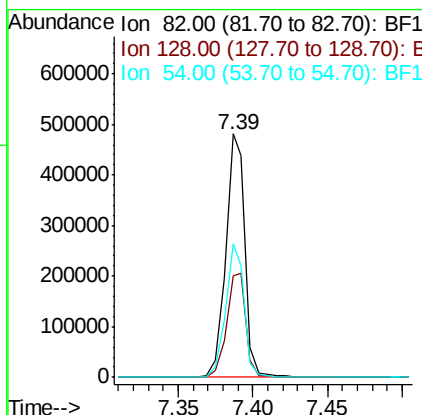
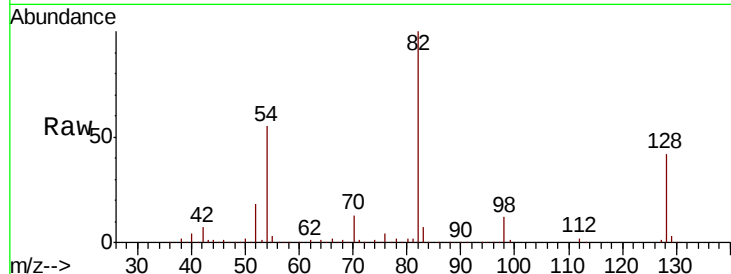
#23
 Nitrobenzene-d5
 Concen: 31.728 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF121571.D
 Acq: 15 Sep 2020 11:30

Instrument :
 BNA_F
 ClientSampleId :
 B18-0-2RE

Tot Ion	82	Resp	437232
Ion Ratio	100	Lower	Upper
82	100		
128	41.6	35.1	52.7
54	54.9	43.0	64.6

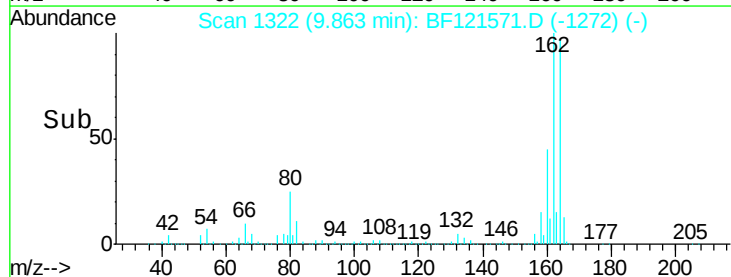
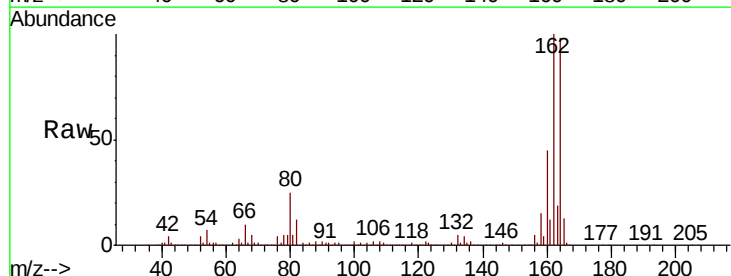
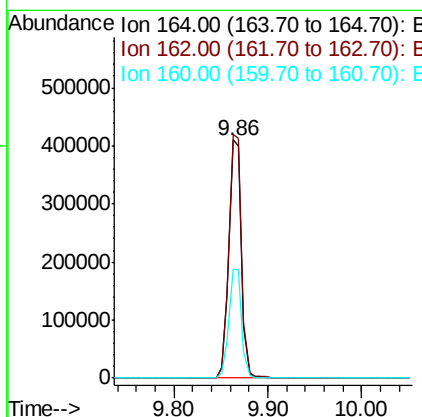
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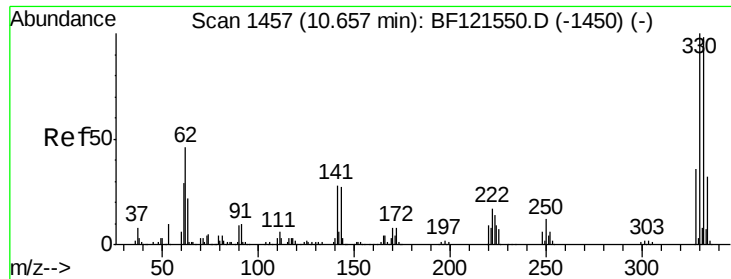
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF121571.D
 Acq: 15 Sep 2020 11:30

Tgt Ion	164	Resp	383256
Ion Ratio	100	Lower	Upper
164	100		
162	102.2	82.3	123.5
160	45.8	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 69.872 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Instrument :

BNA_F

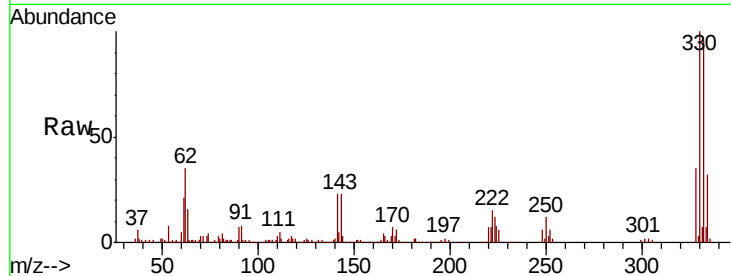
ClientSampleId :

B18-0-2RE

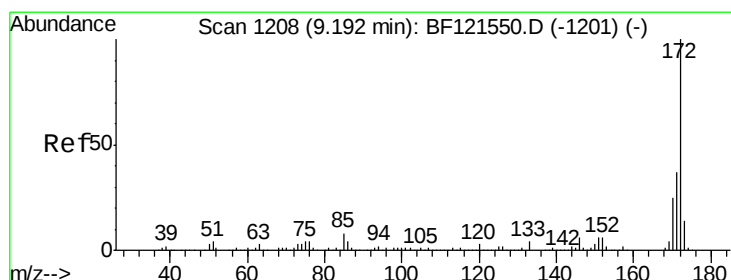
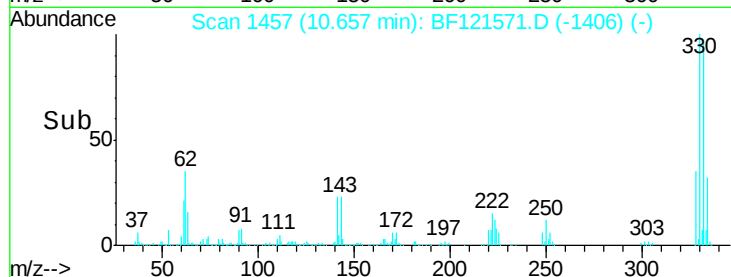
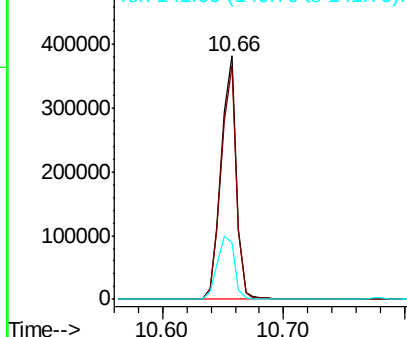
Tot Ion:	330	Resp:	332823
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.1	115.7
141	29.4	23.6	35.4

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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: 43.050 ng

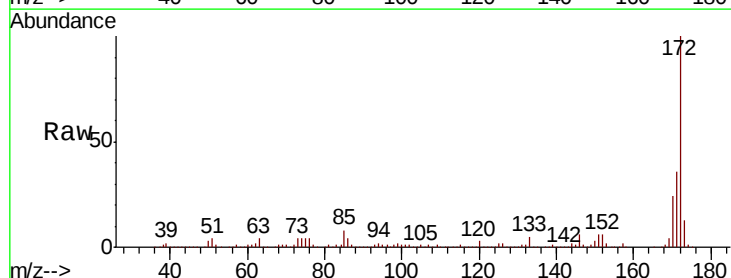
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

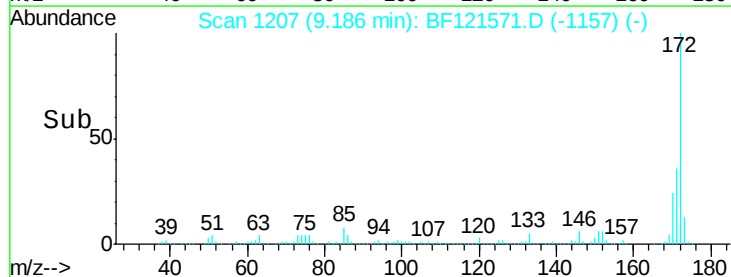
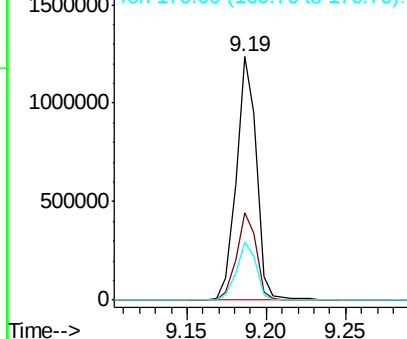
Lab File: BF121571.D

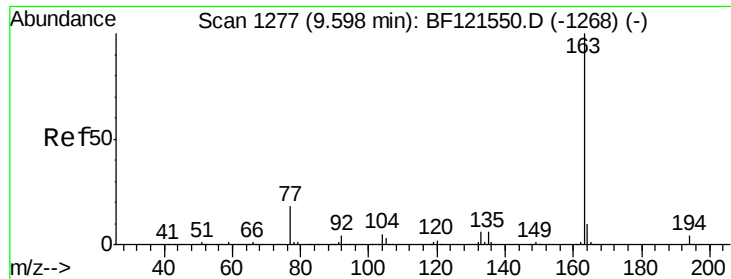
Acq: 15 Sep 2020 11:30

Tgt Ion:	172	Resp:	1089396
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.8	44.6
170	24.0	19.8	29.8



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





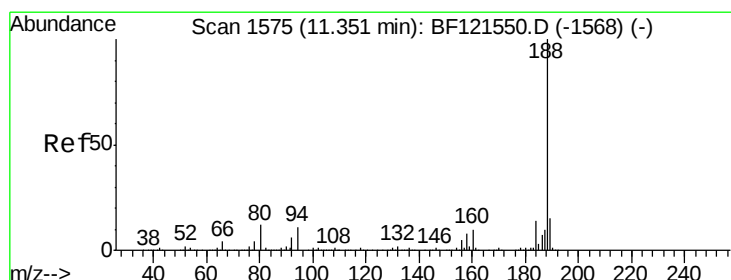
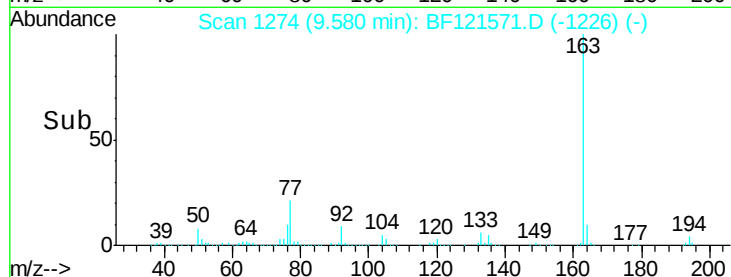
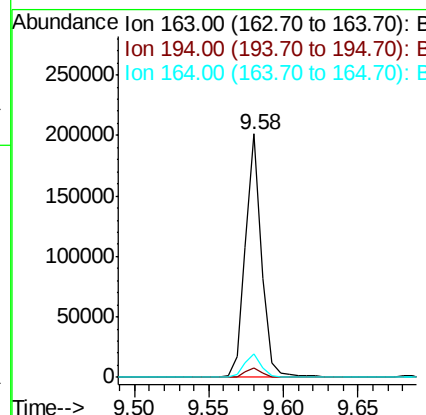
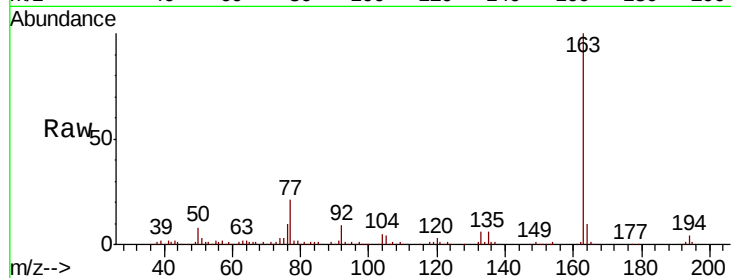
#50
Dimethylphthalate
Concen: 5.452 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Instrument :
BNA_F
ClientSampled :
B18-0-2RE

Tot Ion:	163	Resp:	151446
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	9.9	7.9	11.9

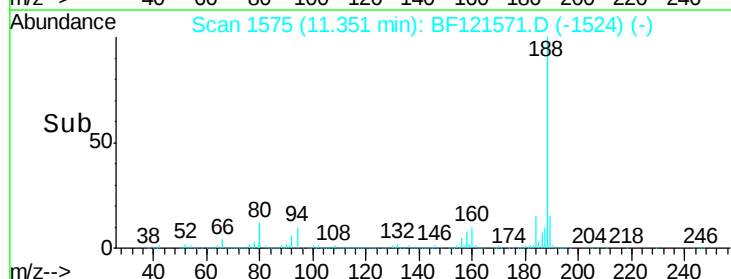
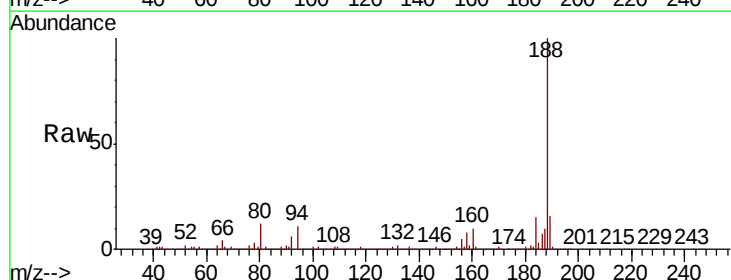
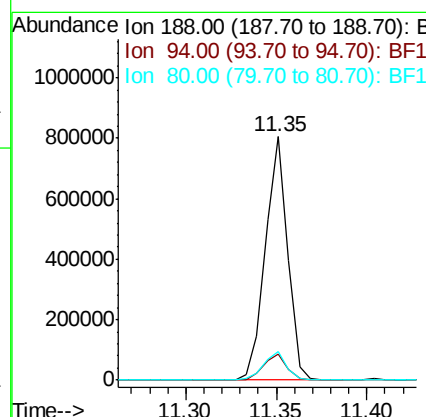
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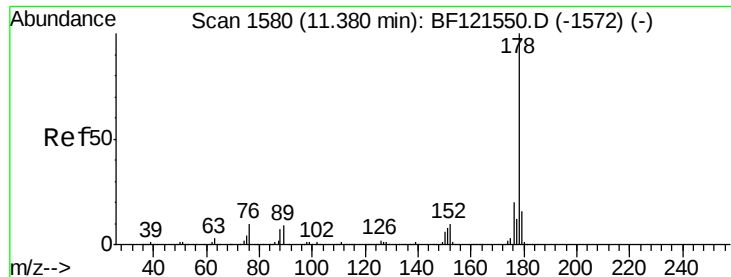
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Tgt Ion:	188	Resp:	687332
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.7	13.1
80	11.7	9.3	13.9





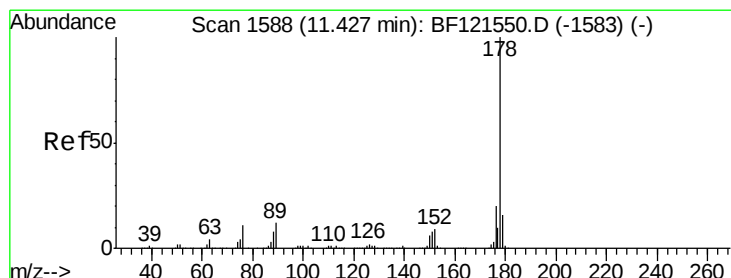
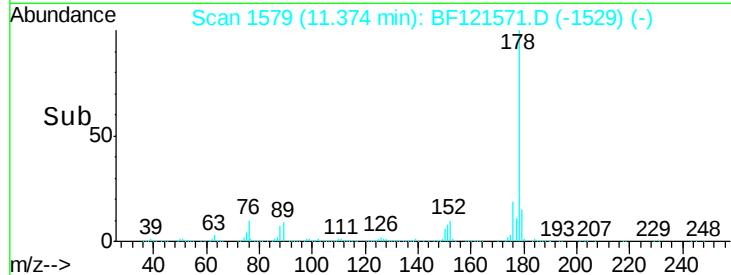
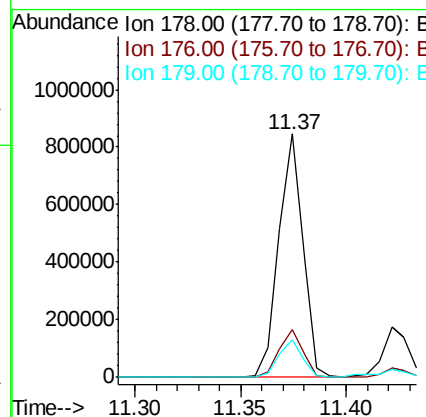
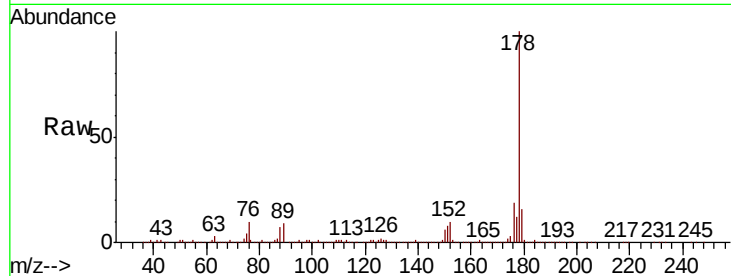
#71
Phenanthrene
Concen: 18.003 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Instrument :
BNA_F
ClientSampleId :
B18-0-2RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.6	12.6	19.0

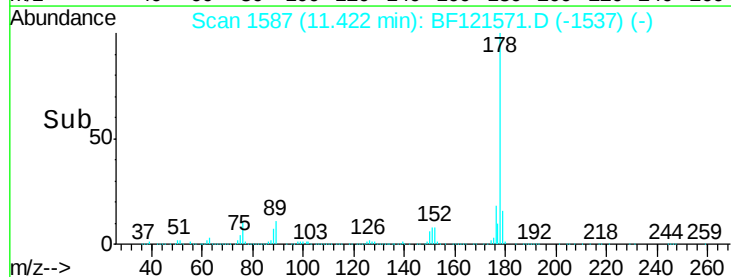
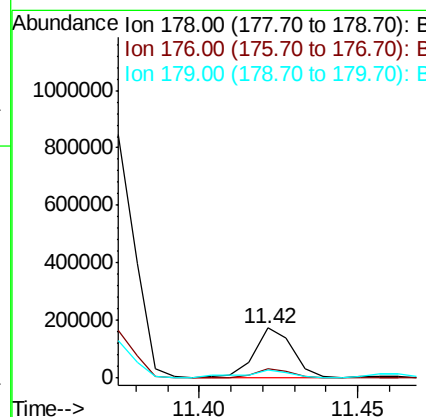
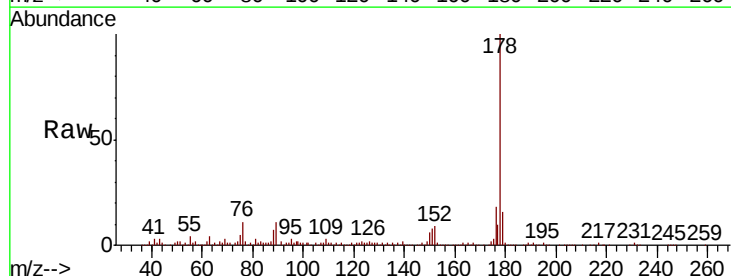
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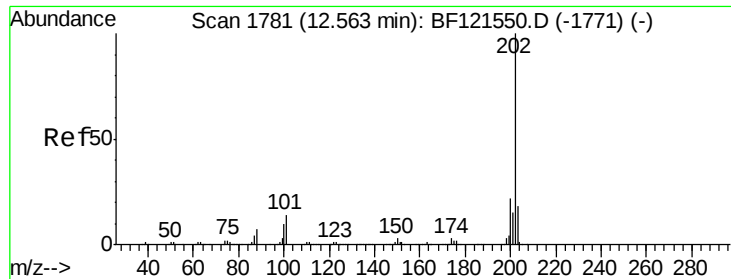
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#72
Anthracene
Concen: 3.676 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	16.0	12.8	19.2





#75

Fluoranthene

Concen: 34.122 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Instrument :

BNA_F

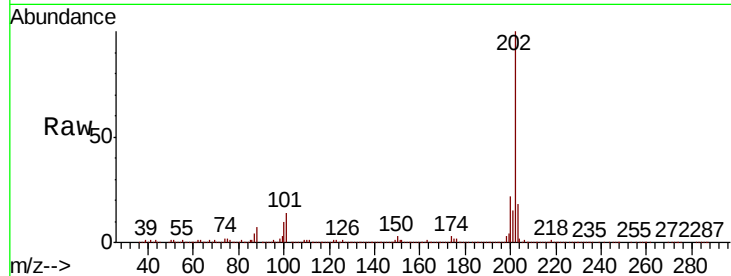
ClientSampleId :

B18-0-2RE

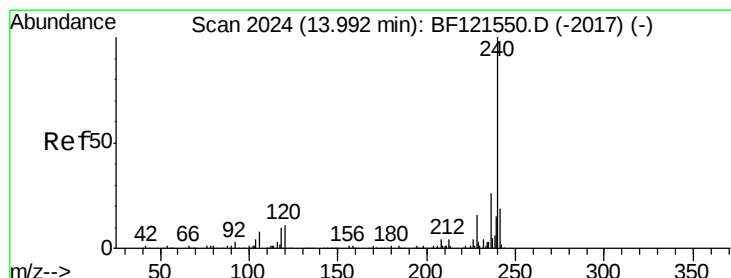
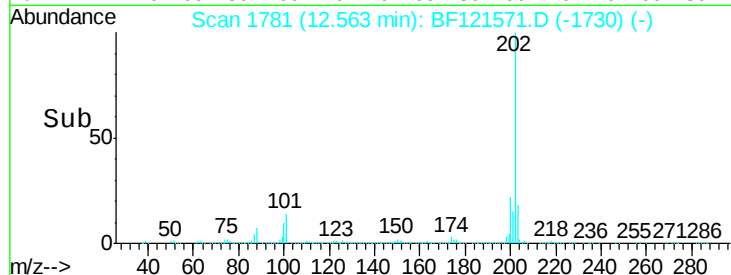
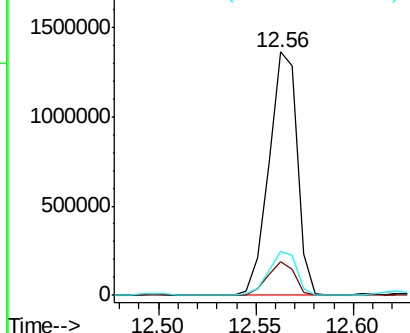
Tot Ion:	202	Resp:	1364082
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	18.2	0.0	38.2

Manual Integrations
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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

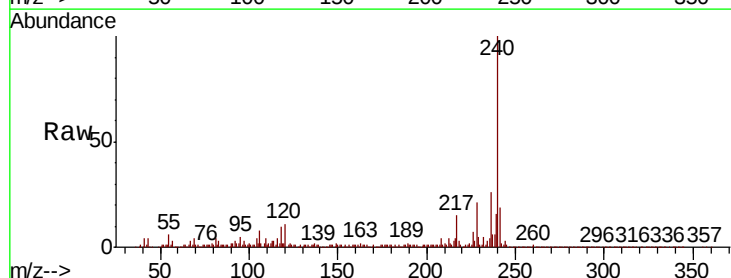
RT: 13.99 min Scan# 2024

Delta R.T. -0.00 min

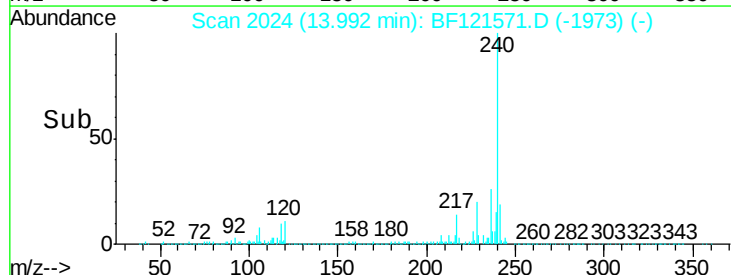
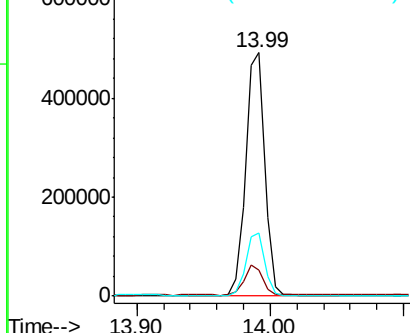
Lab File: BF121571.D

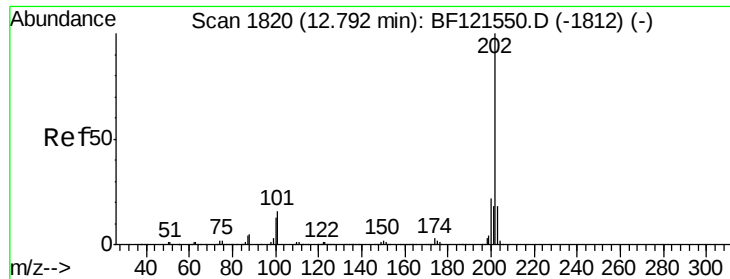
Acq: 15 Sep 2020 11:30

Tgt Ion:	240	Resp:	478693
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.2	13.8
236	26.2	20.5	30.7



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





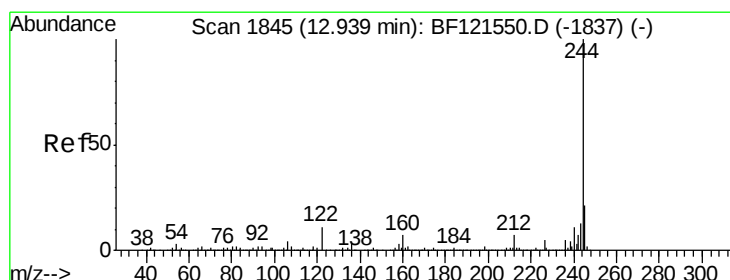
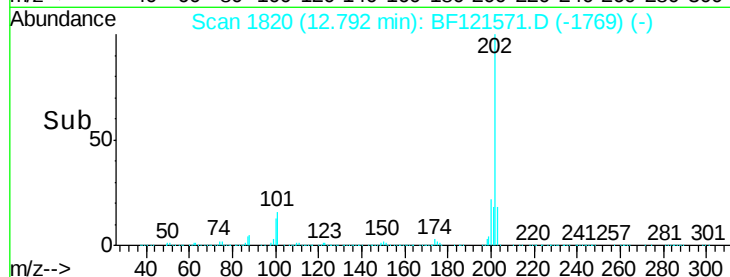
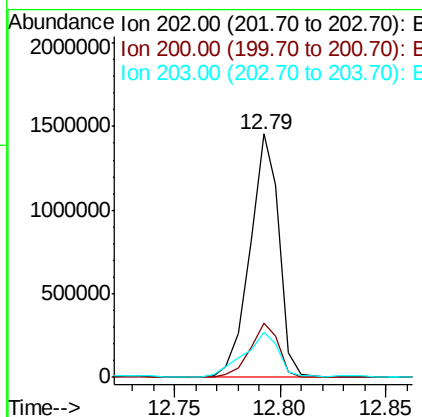
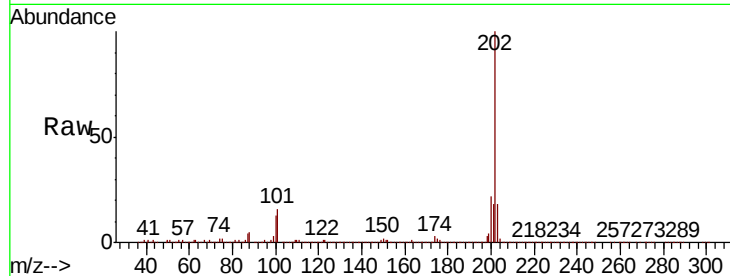
#78
Pvrene
Concen: 39.562 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Instrument :
BNA_F
ClientSampleId :
B18-0-2RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.8	26.8
203	18.3	14.6	22.0

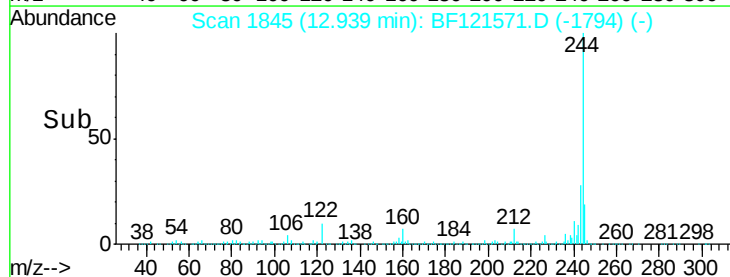
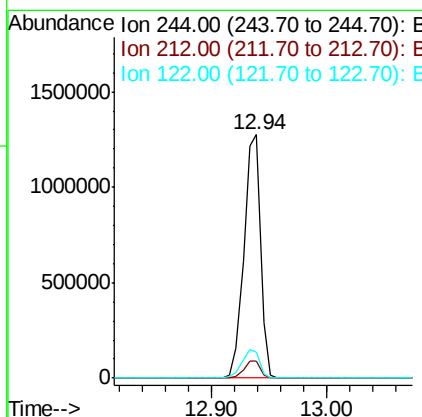
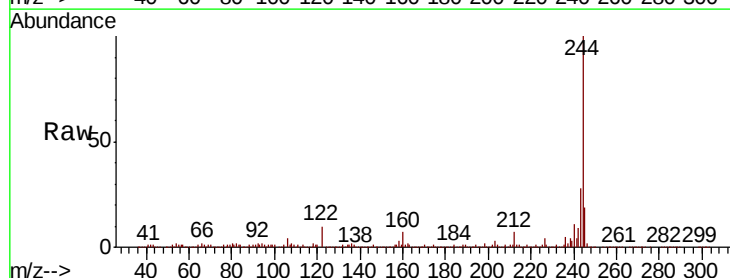
Manual Integrations
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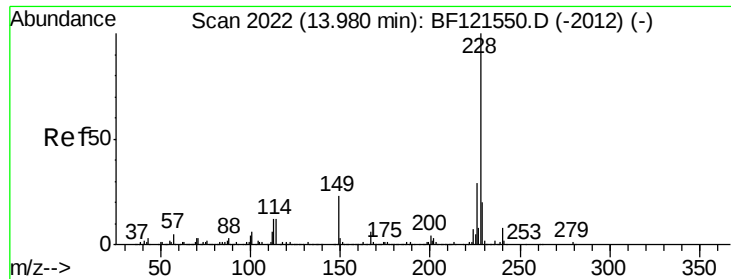
mohammad
9/16/2020 10:14:31 AM



#79
Terphenyl-d14
Concen: 53.712 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.5	8.7	13.1





#81

Benzo(a)anthracene

Concen: 22.235 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Instrument :

BNA_F

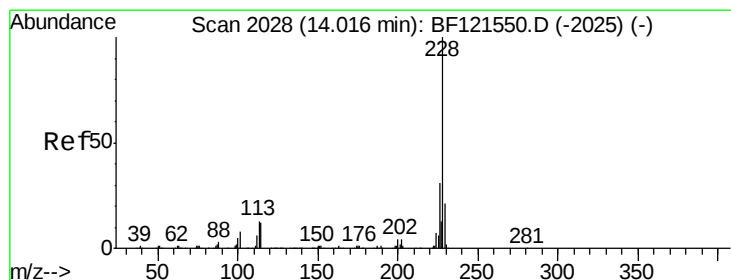
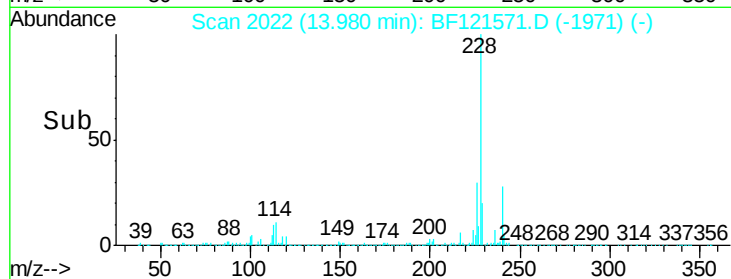
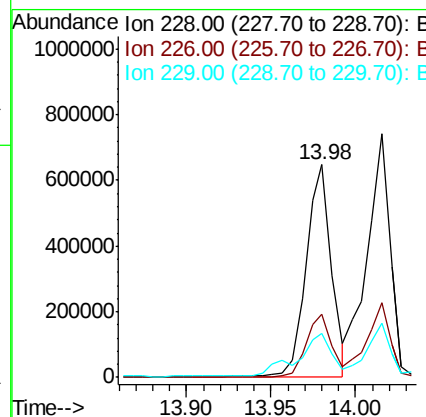
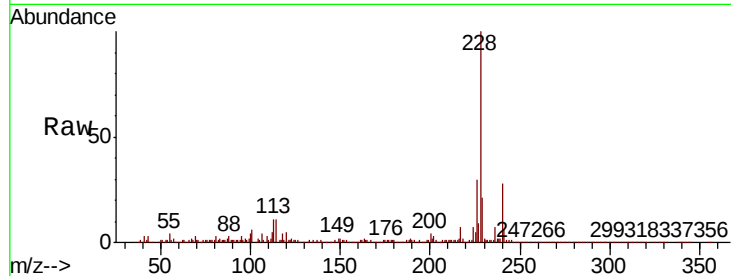
ClientSampleId :

B18-0-2RE

Tot Ion:	228	Resp:	673365
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.9	34.3
229	20.8	16.3	24.5

Manual Integrations
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#83

Chrysene

Concen: 23.012 ng

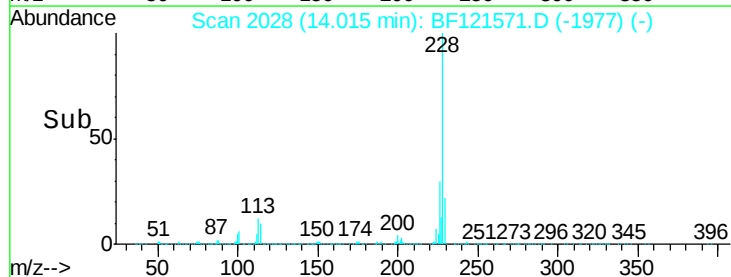
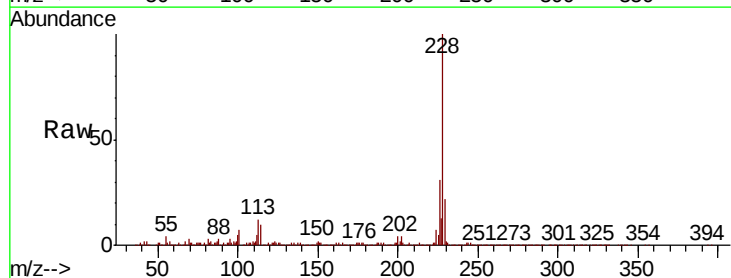
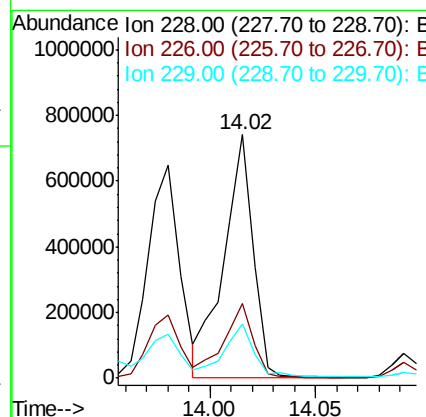
RT: 14.02 min Scan# 2028

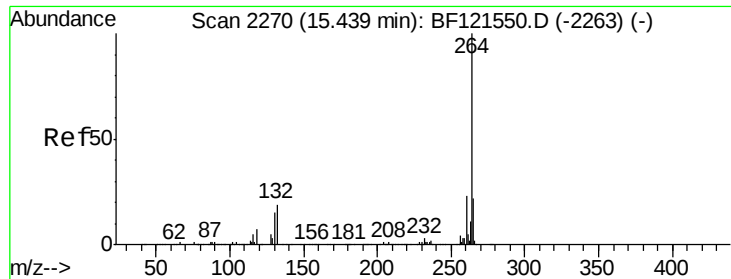
Delta R.T. -0.00 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Tgt Ion:	228	Resp:	705701
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.1	37.7
229	22.4	16.6	25.0





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Instrument :

BNA_F

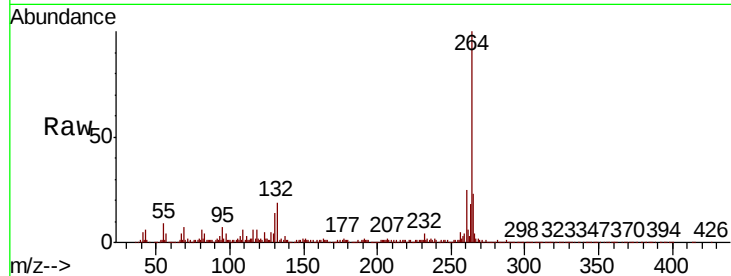
ClientSampled :

B18-0-2RE

Tot Ion:	264	Resp:	489521
Ion Ratio		Lower	Upper
264	100		
260	24.6	18.8	28.2
265	22.7	17.8	26.6

Manual Integrations
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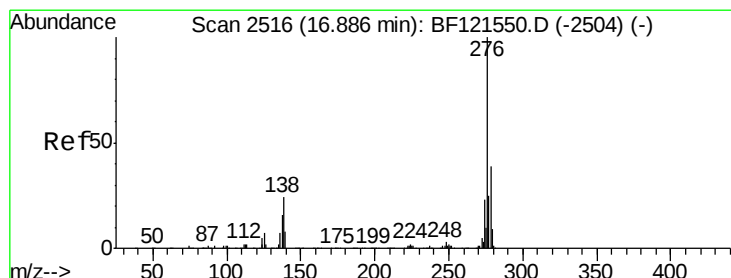
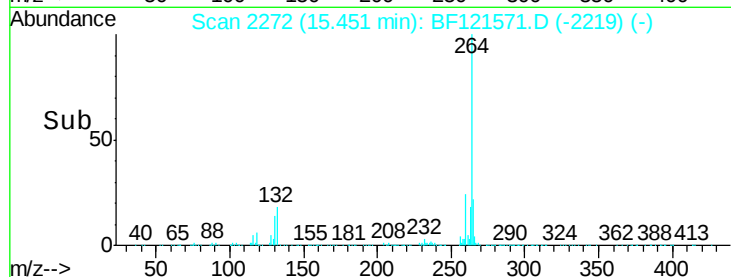
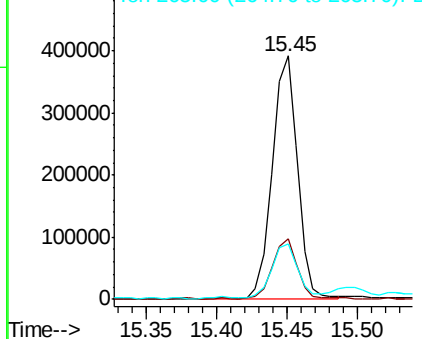


Abundance

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.233 ng

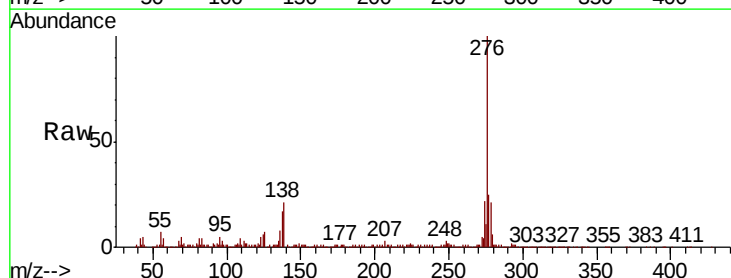
RT: 16.89 min Scan# 2517

Delta R.T. 0.01 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Tgt Ion:	276	Resp:	549381
Ion Ratio		Lower	Upper
276	100		
138	22.3	20.6	31.0
277	24.3	20.2	30.4

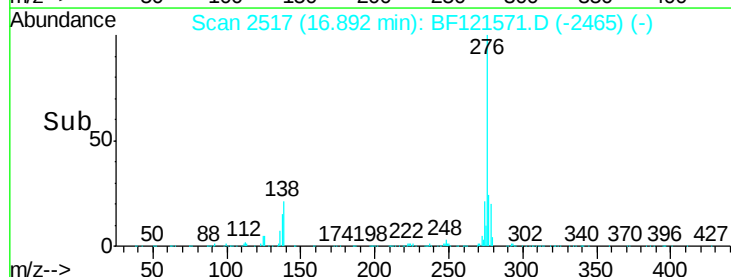
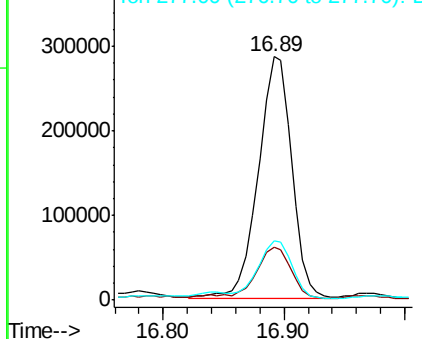


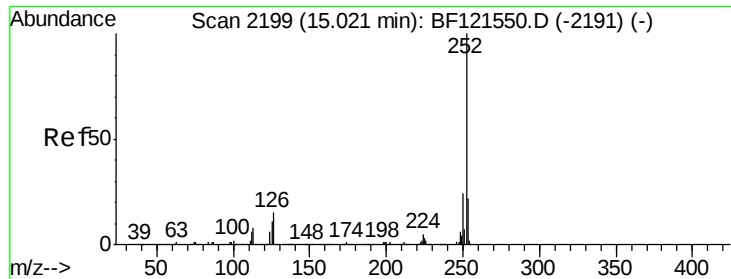
Abundance

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





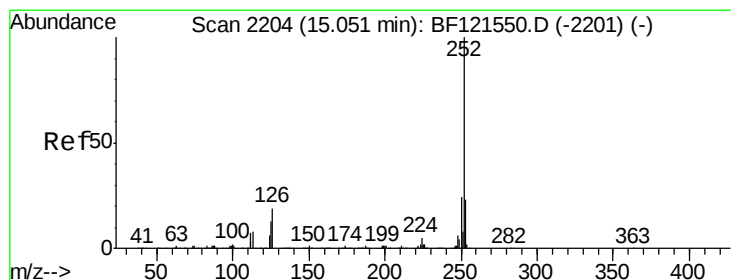
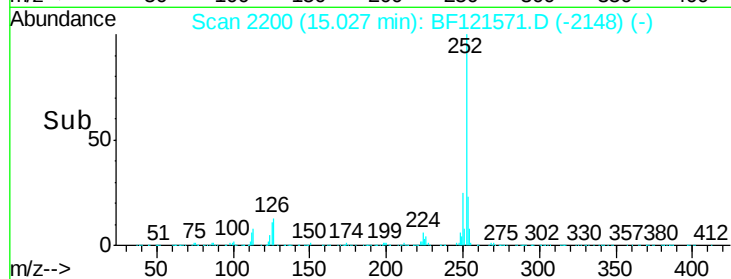
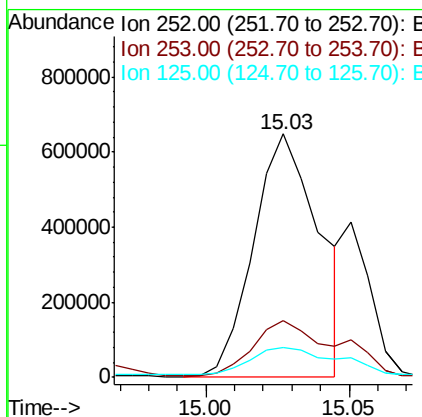
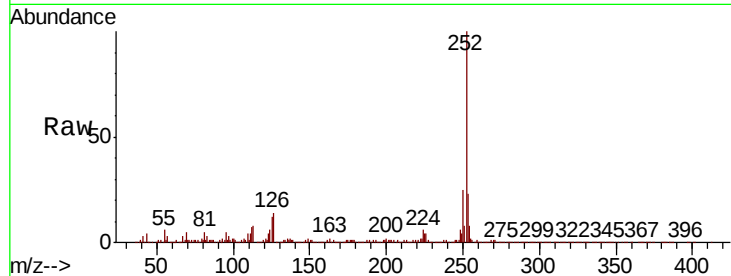
#88
Benzo(b)fluoranthene
Concen: 31.537 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Instrument :
BNA_F
ClientSampleId :
B18-0-2RE

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.5	17.9	26.9	
125	12.5	9.2	13.8	

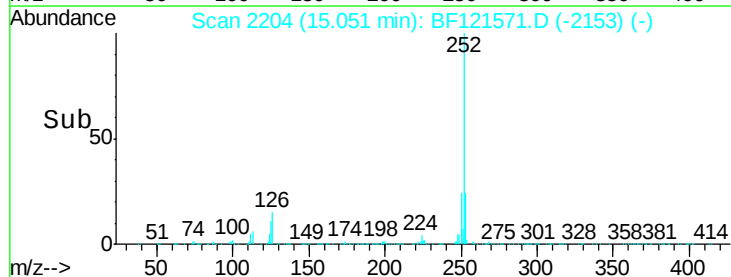
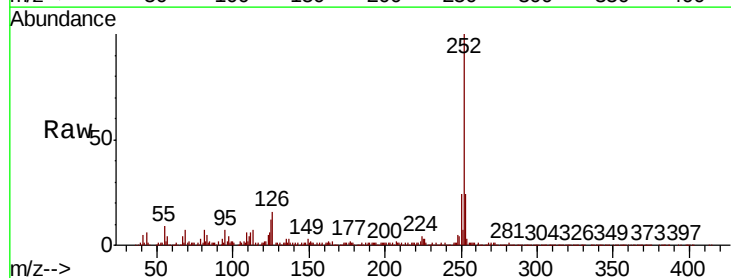
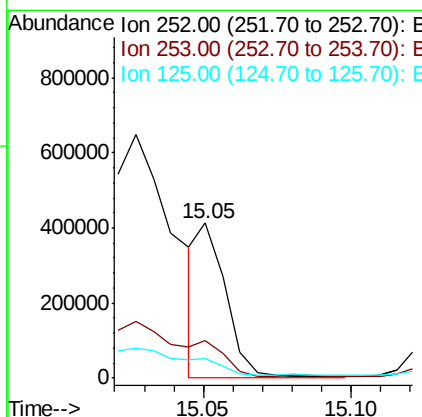
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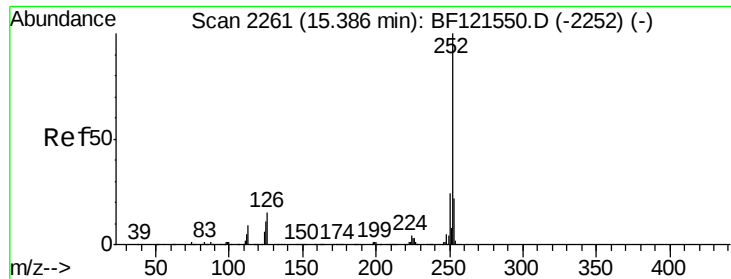
mohammad
9/16/2020 10:14:31 AM



#89
Benzo(k)fluoranthene
Concen: 9.357 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	24.1	17.8	26.8	
125	12.4	9.8	14.6	





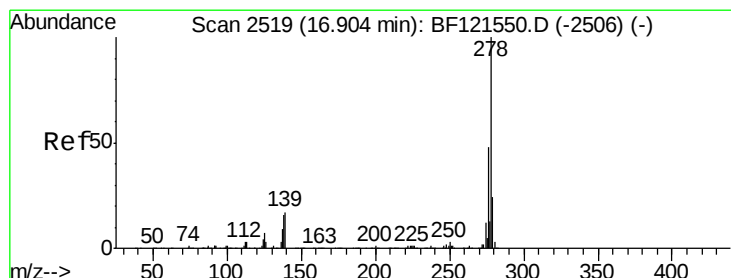
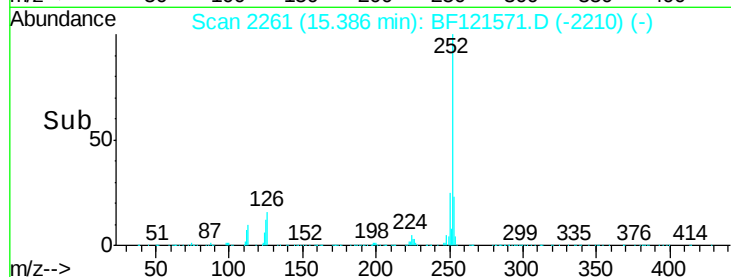
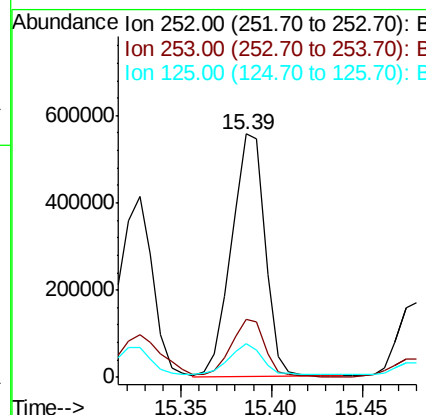
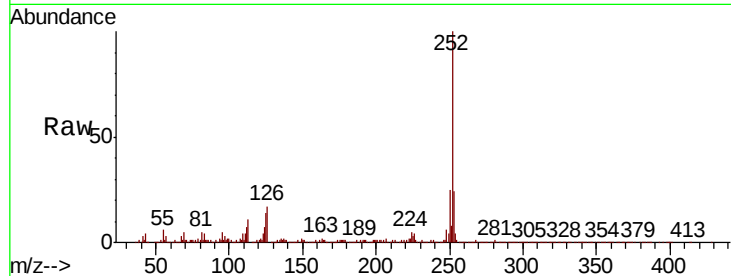
#90
Benzo(a)pyrene
Concen: 25.704 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Instrument :
BNA_F
ClientSampleId :
B18-0-2RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	13.6	9.0	13.4

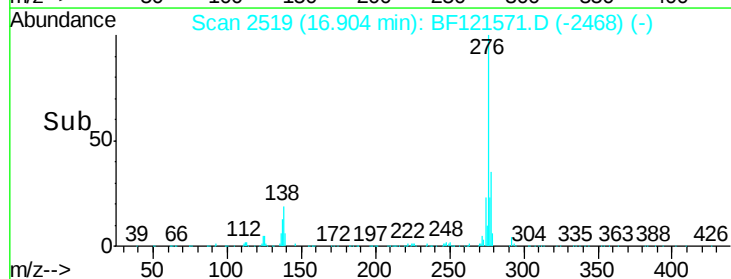
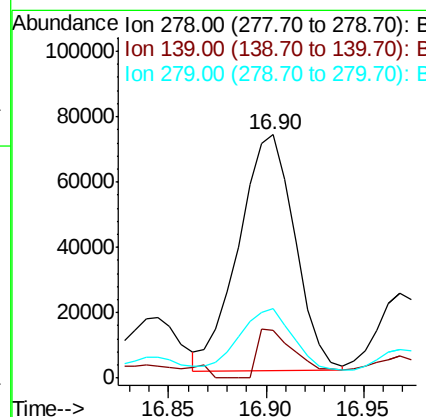
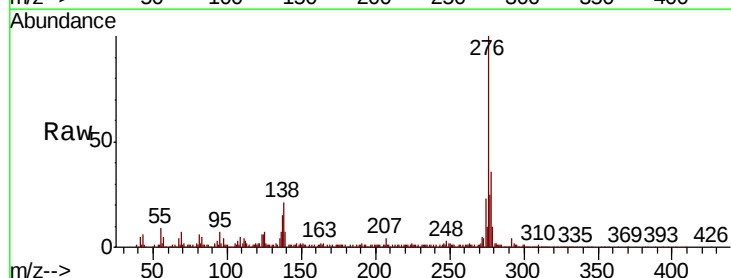
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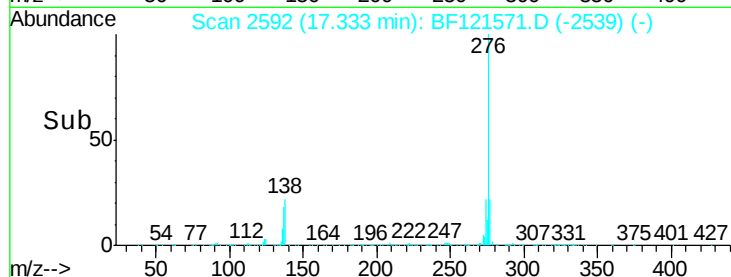
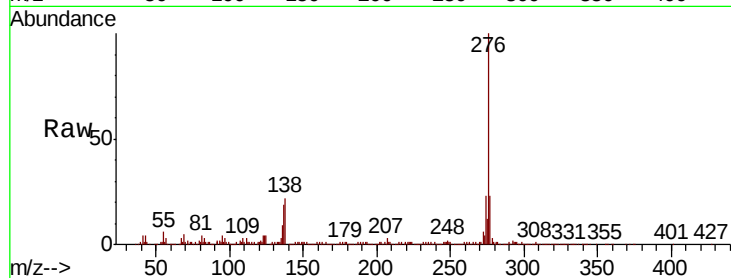
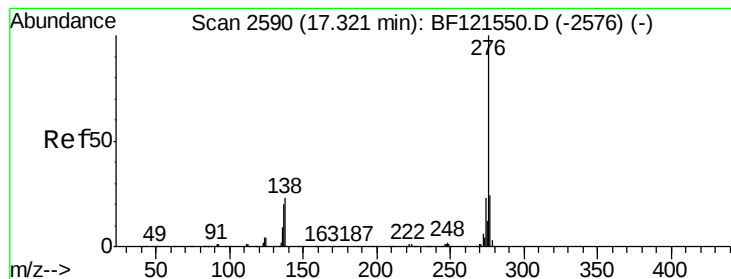
mohammad
9/16/2020 10:14:31 AM



#91
Dibenzo(a,h)anthracene
Concen: 5.423 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.00 min
Lab File: BF121571.D
Acq: 15 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	13.9	20.9
279	28.4	19.2	28.8





#92

Benzo(a,h,i)perylene

Concen: 20.263 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF121571.D

Acq: 15 Sep 2020 11:30

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	22.9	19.4	29.0		
138	22.4	18.7	28.1		

Instrument :

BNA_F

ClientSampleId :

B18-0-2RE

Manual Integrations
APPROVED

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9/16/2020 10:14:31 AM

