

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121704.D
 Acq On : 28 Sep 2020 11:00
 Operator : JU/CG
 Sample : L4127-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(9-11)DL

Manual Integrations
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Quant Time: Sep 28 12:24:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	161836	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	659847	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	349992	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	666303	20.00	ng	0.00
76) Chrysene-d12	13.95	240	479045	20.00	ng	0.00
86) Perylene-d12	15.39	264	345692	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	163453	15.01	ng	-0.01
7) Phenol-d6	6.42	99	212128	14.85	ng	-0.02
23) Nitrobenzene-d5	7.35	82	136200	11.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	53988	12.41	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	274318	11.87	ng	0.00
79) Terphenyl-d14	12.90	244	305952	12.94	ng	0.00
Target Compounds						
58) Fluorene	10.37	166	71465	3.097	ng	99
71) Phenanthrene	11.34	178	784133	21.600	ng	99
72) Anthracene	11.39	178	221193	5.904	ng	98
75) Fluoranthene	12.53	202	1109695	28.635	ng	99
78) Pyrene	12.76	202	842170	24.062	ng	98
81) Benzo(a)anthracene	13.94	228	506685	16.719	ng	99
83) Chrysene	13.97	228	428206	13.953	ng	96
87) Indeno(1,2,3-cd)pyrene	16.81	276	195927	8.703	ng	95
88) Benzo(b)fluoranthene	14.98	252	433706m	18.767	ng	
89) Benzo(k)fluoranthene	15.00	252	164010m	7.750	ng	
90) Benzo(a)pyrene	15.33	252	310060	15.784	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	51519	2.749	ng	93
92) Benzo(a,h,i)perylene	17.24	276	187197	10.162	ng	100

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

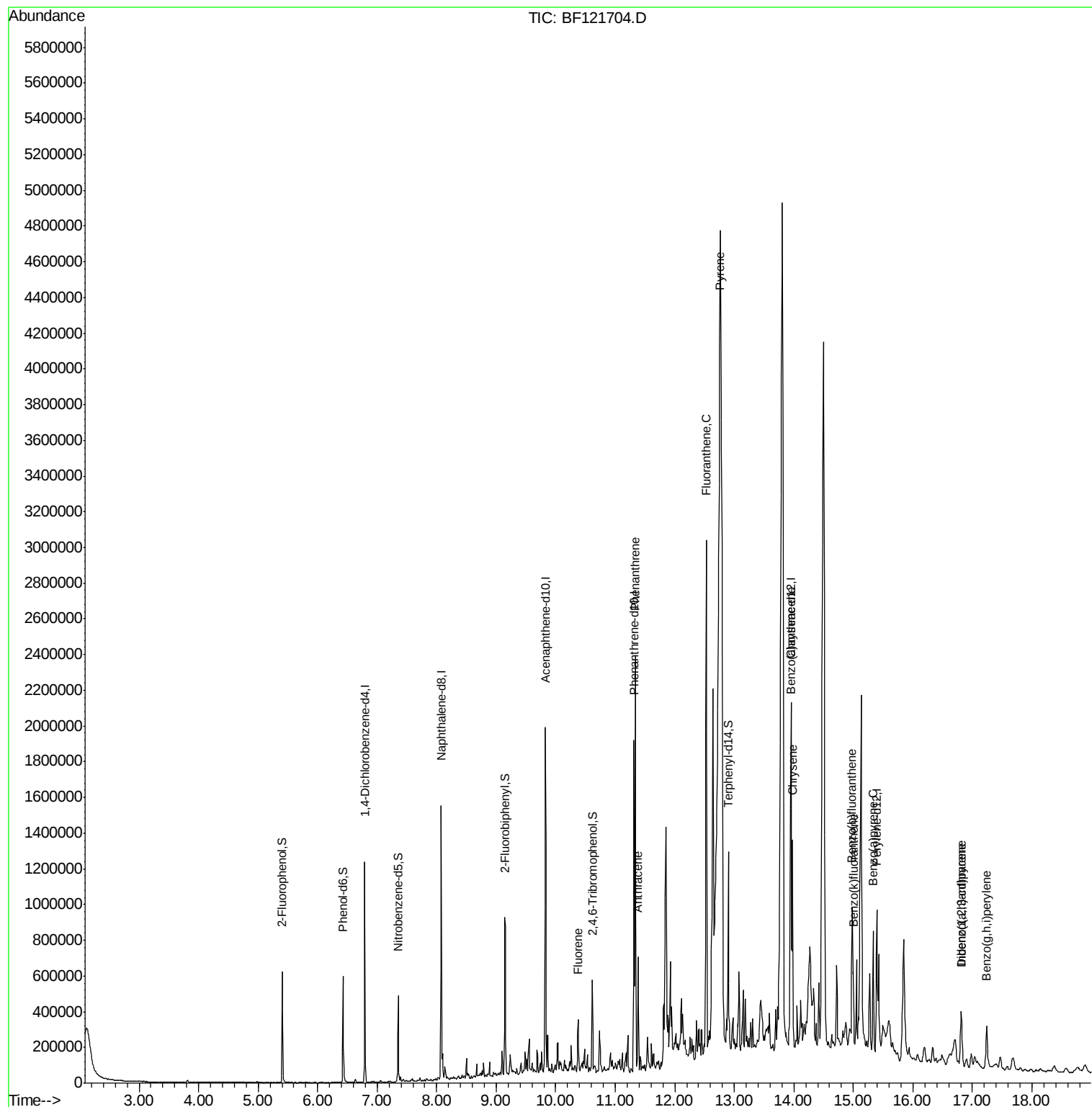
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
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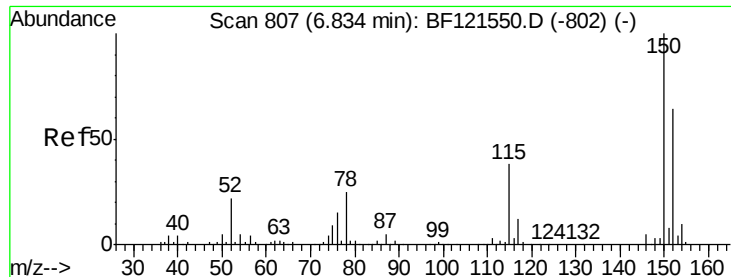
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121704.D

Acq: 28 Sep 2020 11:00

Instrument :

BNA_F

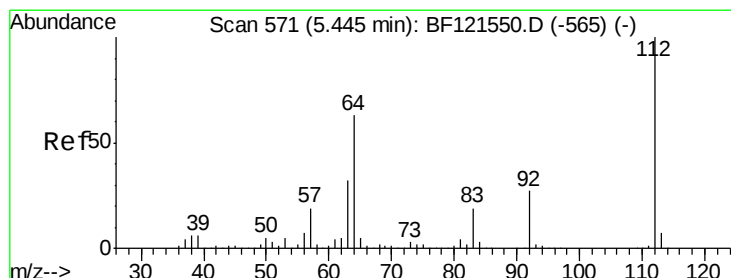
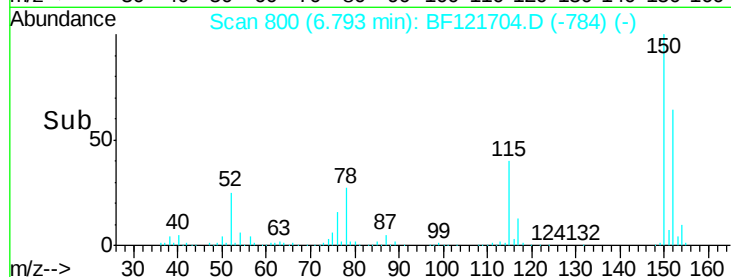
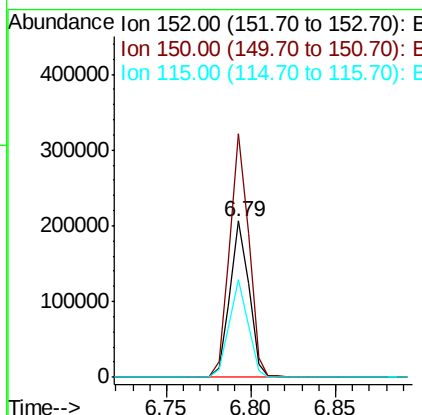
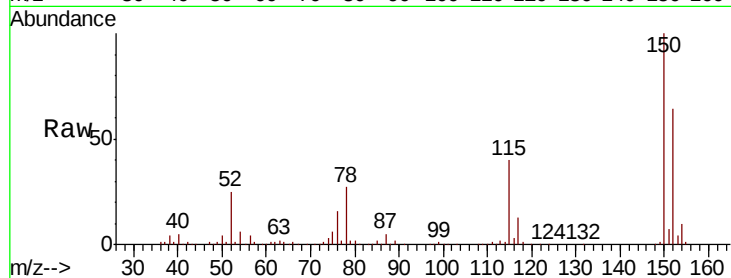
ClientSampleId :

B-3(9-11)DL

Tot Ion:	152	Resp:	161836
Ion Ratio	Lower	Upper	
152	100		
150	156.0	122.6	184.0
115	62.3	47.1	70.7

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#5

2-Fluorophenol

Concen: 15.010 ng

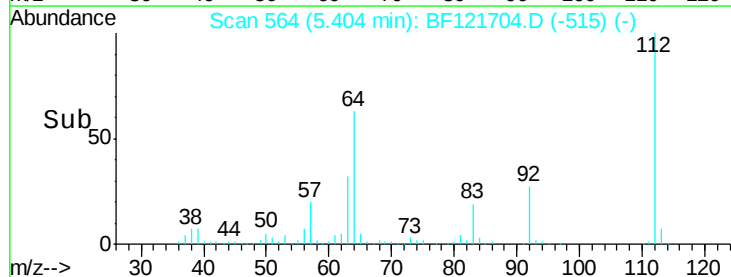
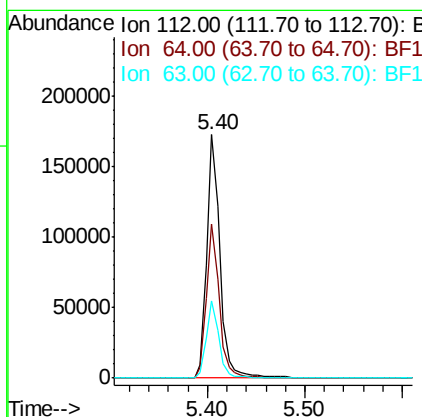
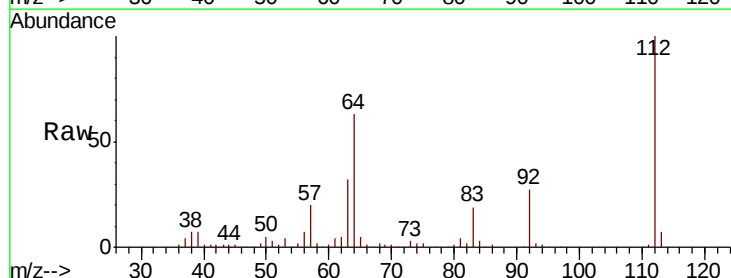
RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF121704.D

Acq: 28 Sep 2020 11:00

Tgt Ion:	112	Resp:	163453
Ion Ratio	Lower	Upper	
112	100		
64	63.0	49.5	74.3
63	31.6	25.4	38.0





#7

Phenol-d6

Concen: 14.848 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF121704.D

Acq: 28 Sep 2020 11:00

Instrument :

BNA_F

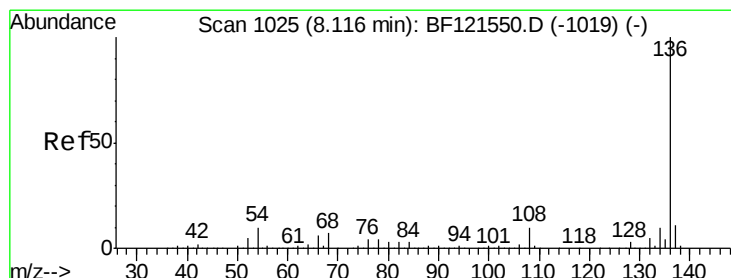
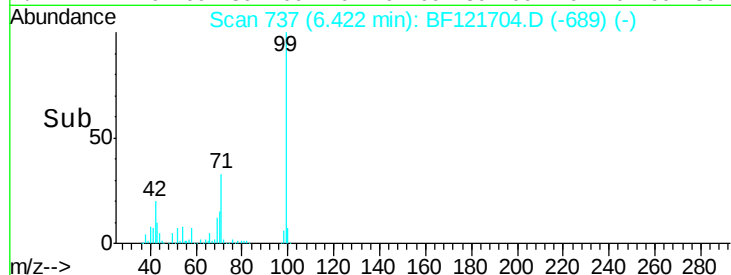
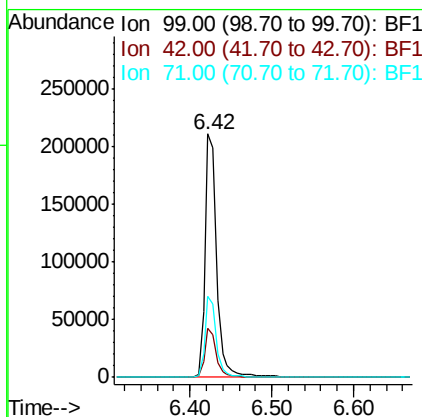
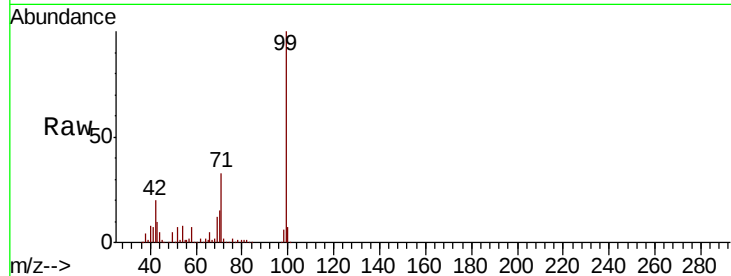
ClientSampleId :

B-3(9-11)DL

Tot Ion:	99	Resp:	212128
Ion Ratio	Lower	Upper	
99	100		
42	20.2	16.1	24.1
71	33.2	27.6	41.4

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#21

Naphthalene-d8

Concen: 20.000 ng

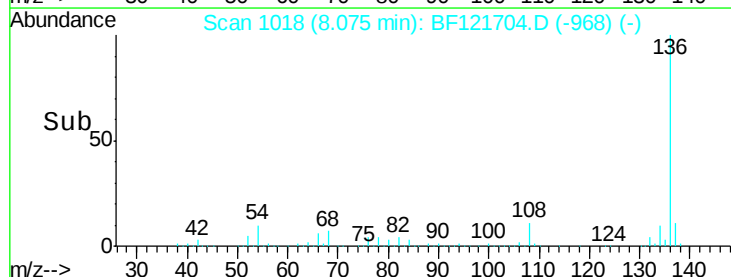
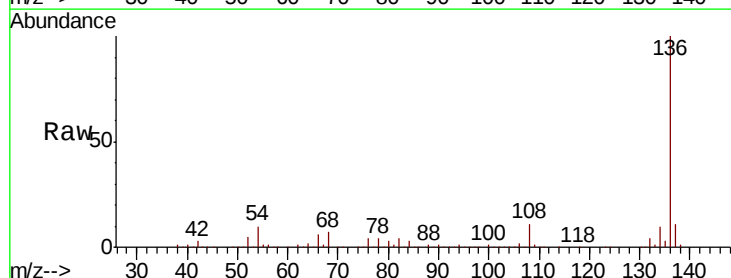
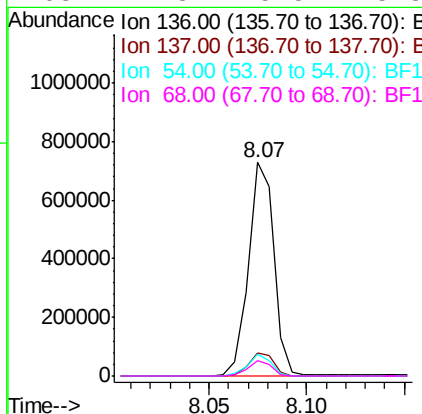
RT: 8.07 min Scan# 1018

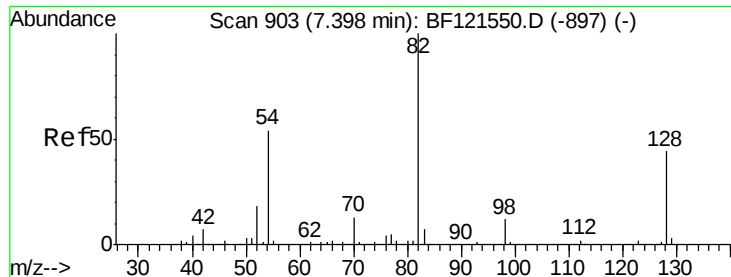
Delta R.T. -0.01 min

Lab File: BF121704.D

Acq: 28 Sep 2020 11:00

Tgt Ion:	136	Resp:	659847
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.2	7.5	11.3
68	7.3	5.5	8.3





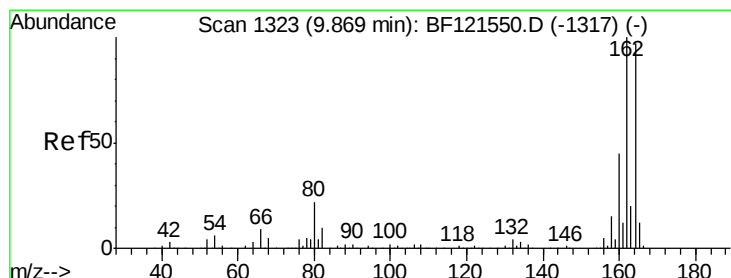
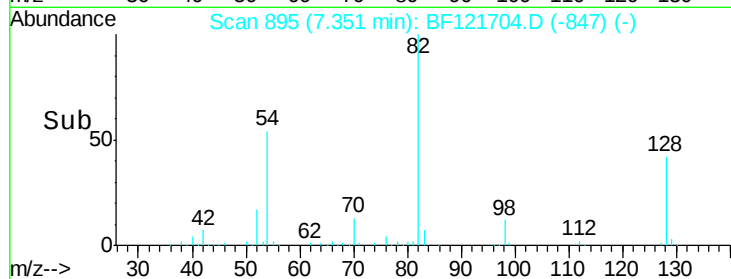
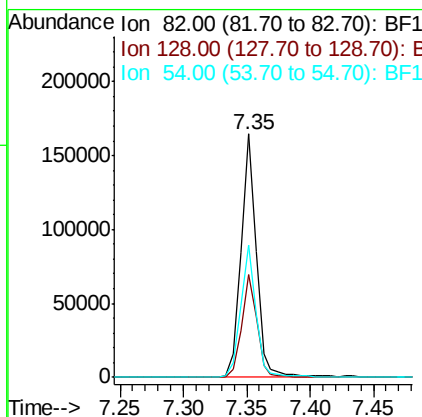
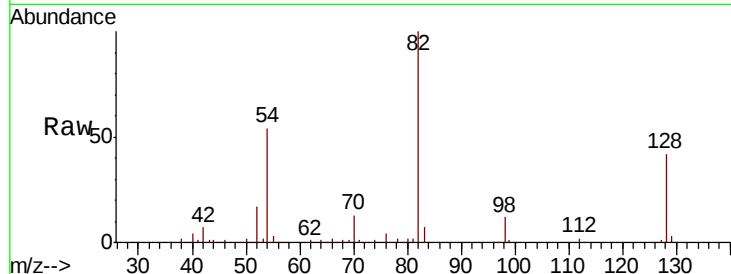
#23
Nitrobenzene-d5
Concen: 11.083 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	35.8	53.6	
54	54.4	42.6	63.8	

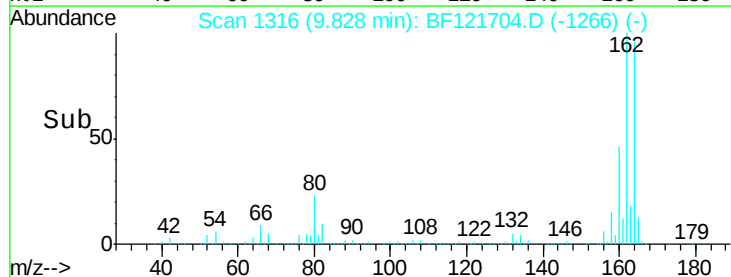
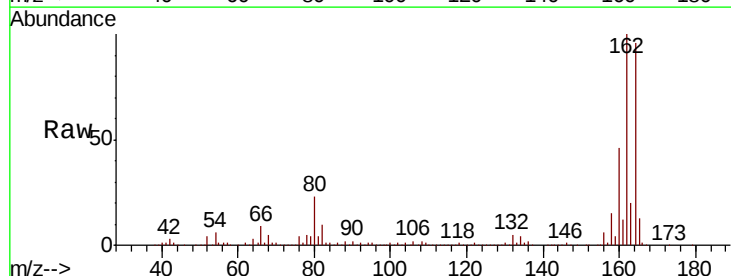
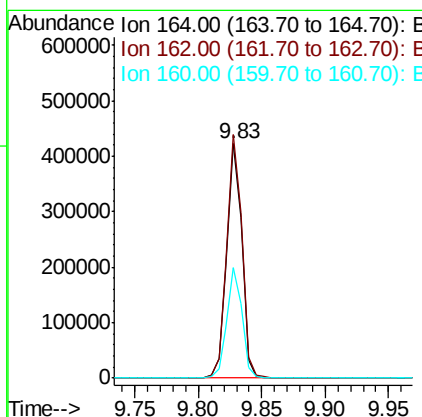
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	82.1	123.1	
160	47.4	36.8	55.2	





#42

2,4,6-Tribromophenol

Concen: 12.411 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF121704.D

Acq: 28 Sep 2020 11:00

Instrument :

BNA_F

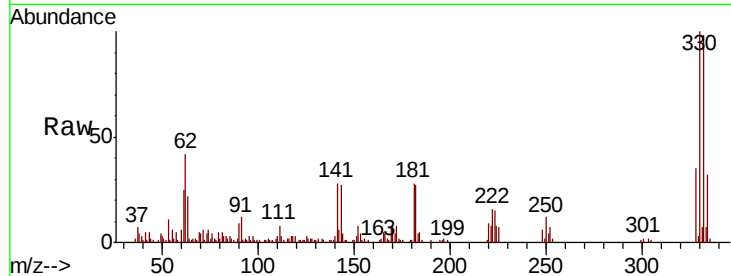
ClientSampleId :

B-3(9-11)DL

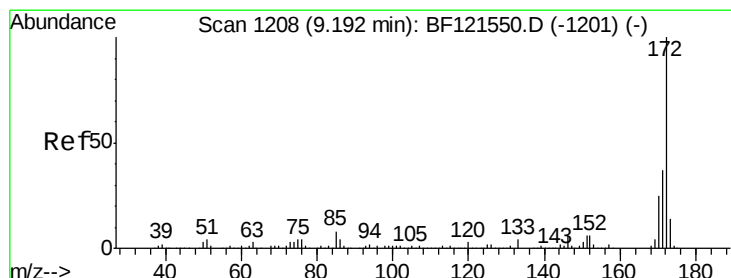
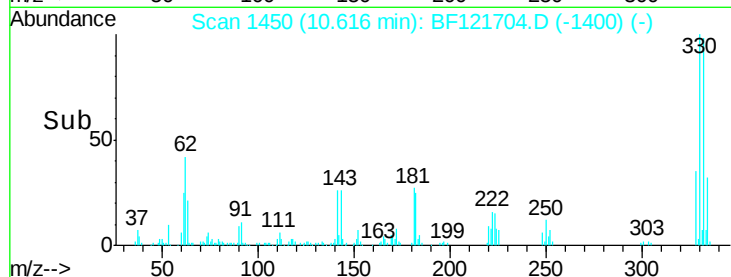
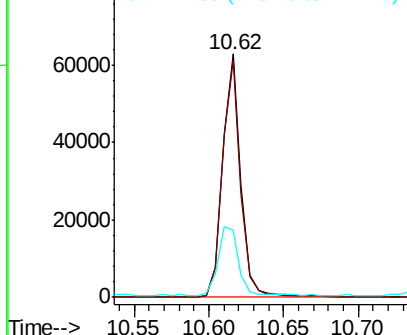
Tot Ion:	330	Resp:	53988
Ion Ratio	Lower	Upper	
330	100		
332	97.9	76.0	114.0
141	31.5	22.2	33.4

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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: 11.871 ng

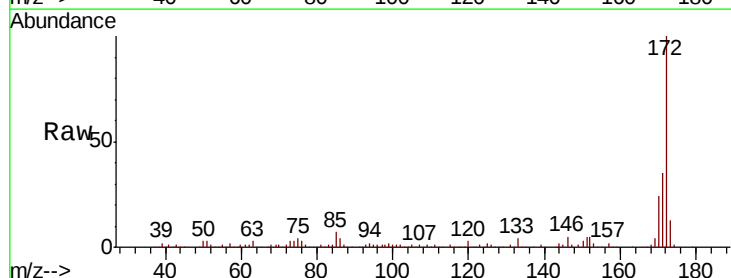
RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

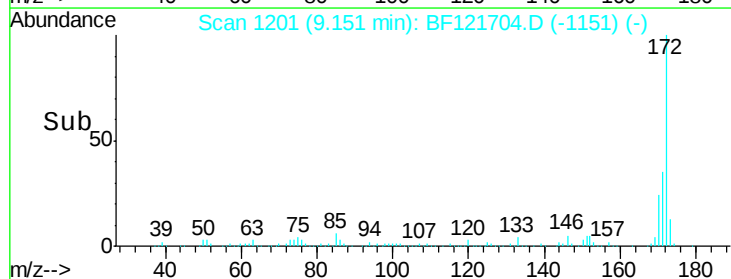
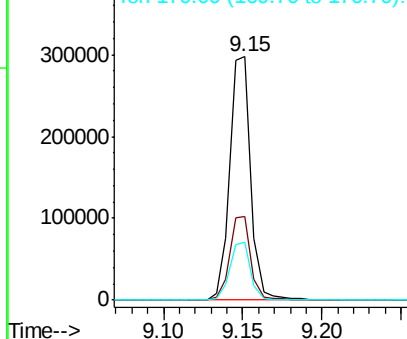
Lab File: BF121704.D

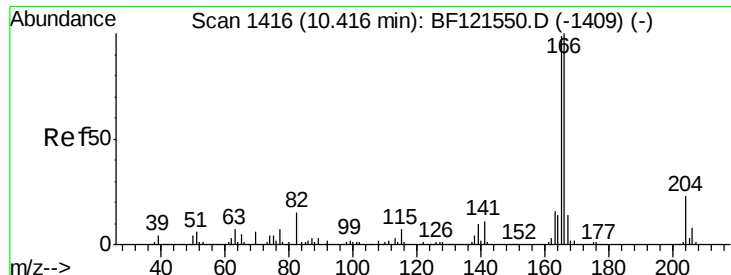
Acq: 28 Sep 2020 11:00

Tgt Ion:	172	Resp:	274318
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.0	43.6
170	23.7	19.5	29.3



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





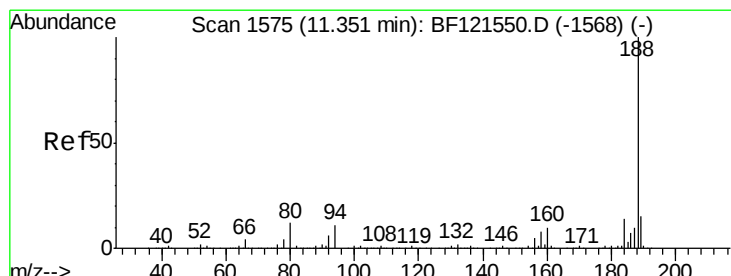
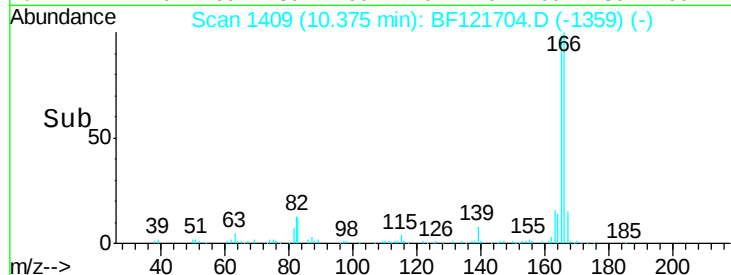
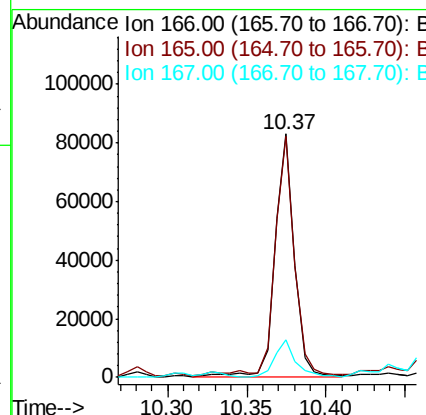
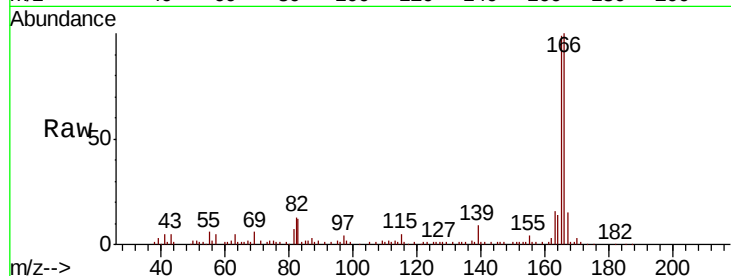
#58
 Fluorene
 Concen: 3.097 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF121704.D
 Acq: 28 Sep 2020 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-3(9-11)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	15.2	11.0	16.4

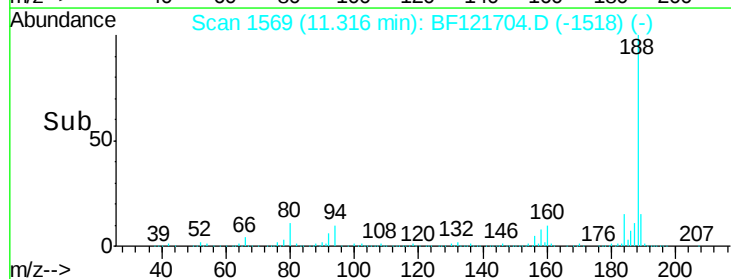
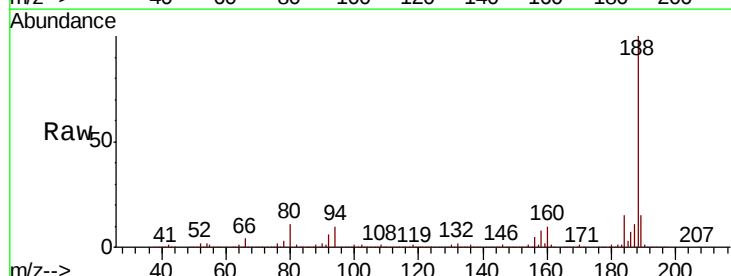
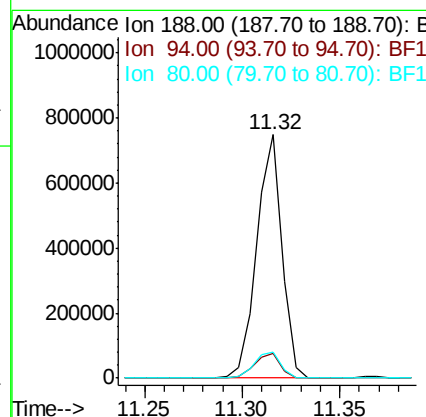
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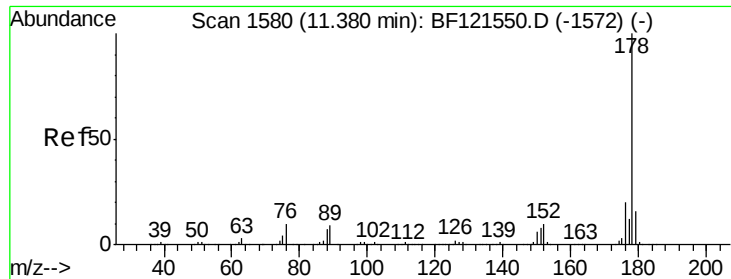
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF121704.D
 Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	10.5	9.3	13.9





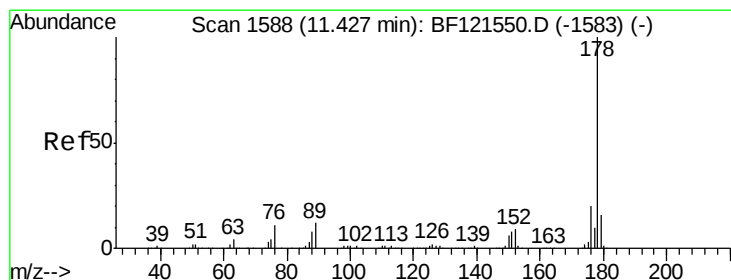
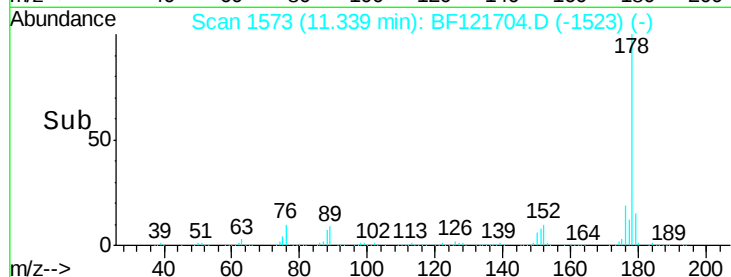
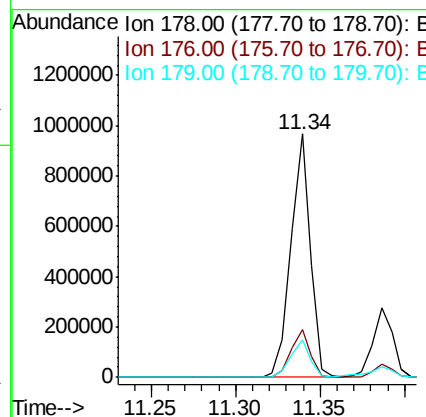
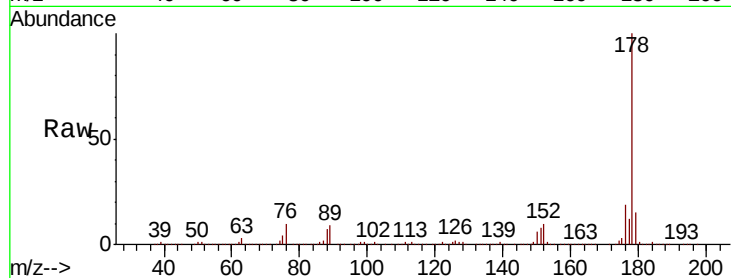
#71
Phenanthrene
Concen: 21.600 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.4	12.5	18.7

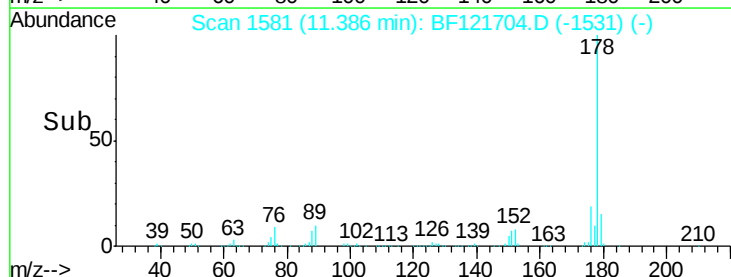
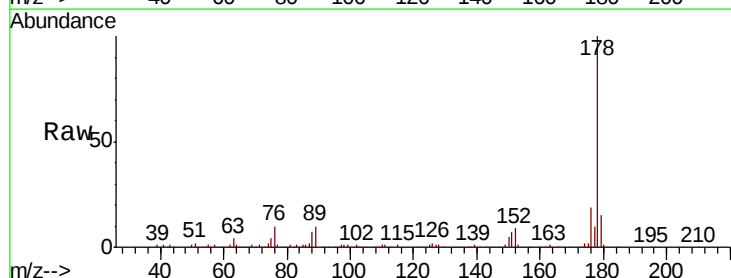
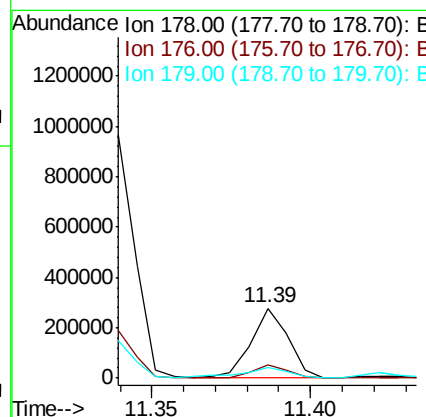
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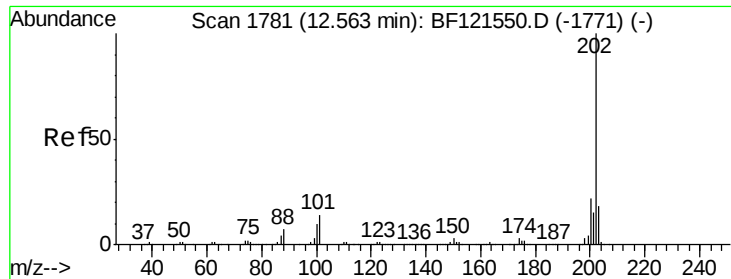
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#72
Anthracene
Concen: 5.904 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.3	12.7	19.1





#75

Fluoranthene

Concen: 28.635 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF121704.D

Acq: 28 Sep 2020 11:00

Instrument :

BNA_F

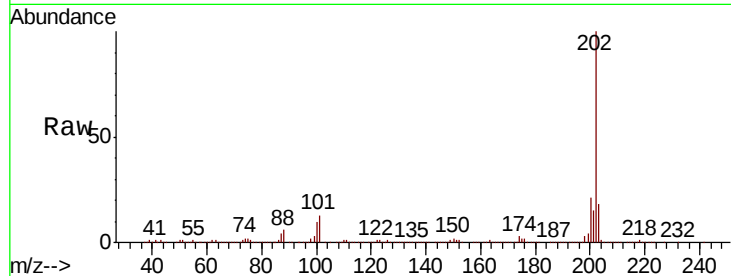
ClientSampleId :

B-3(9-11)DL

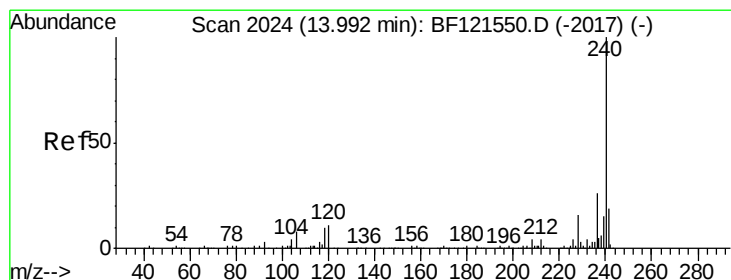
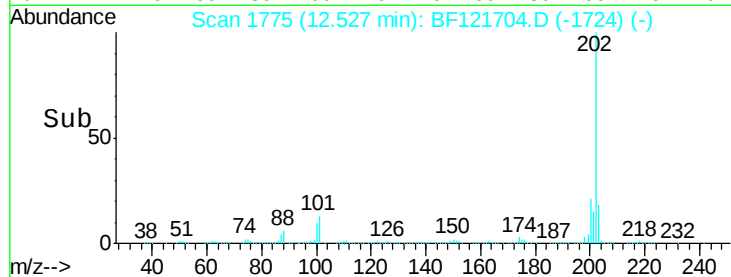
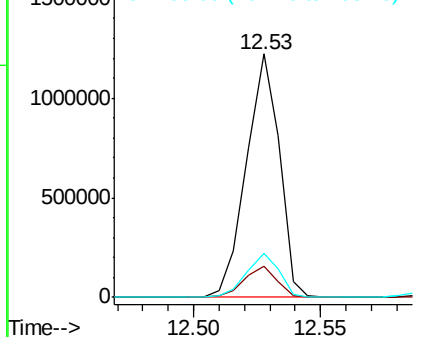
Tot Ion:	202	Resp:	1109695
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	33.7
203	18.1	0.0	38.5

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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

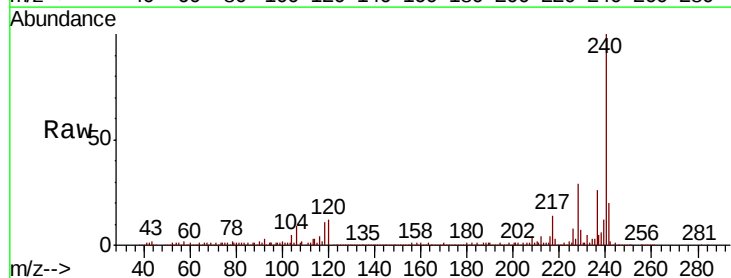
RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

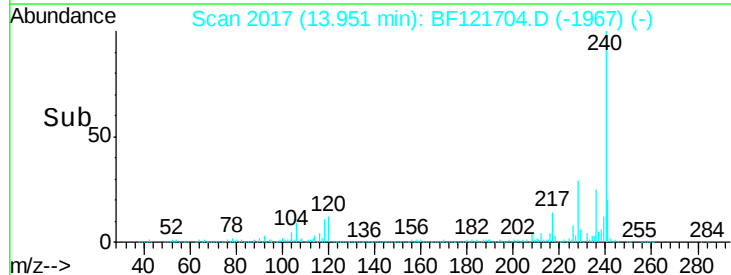
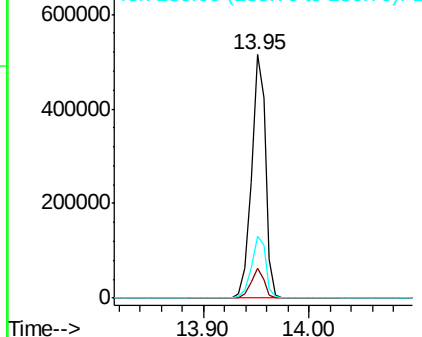
Lab File: BF121704.D

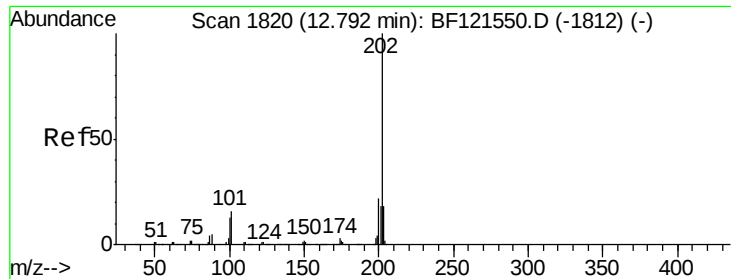
Acq: 28 Sep 2020 11:00

Tgt Ion:	240	Resp:	479045
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.1	13.7
236	25.6	20.6	30.8



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





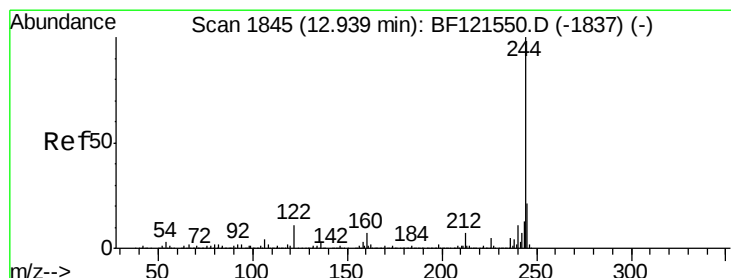
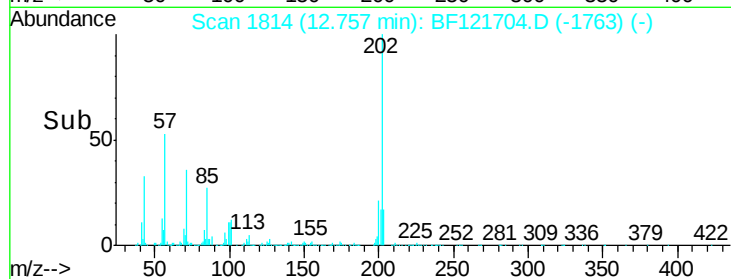
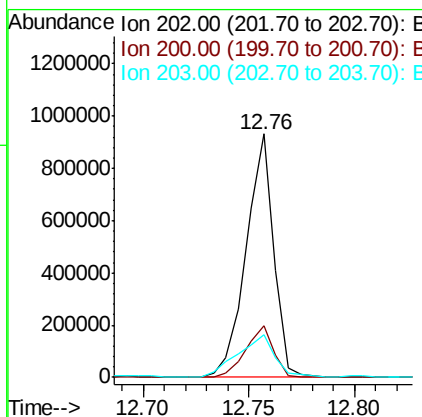
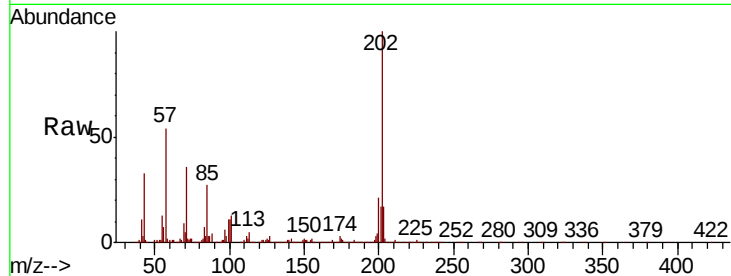
#78
Pvrene
Concen: 24.062 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.8
203	17.4	14.3	21.5

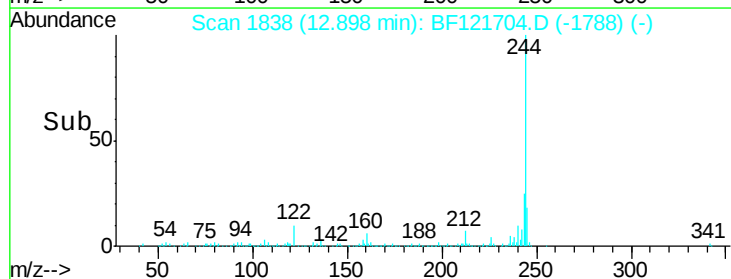
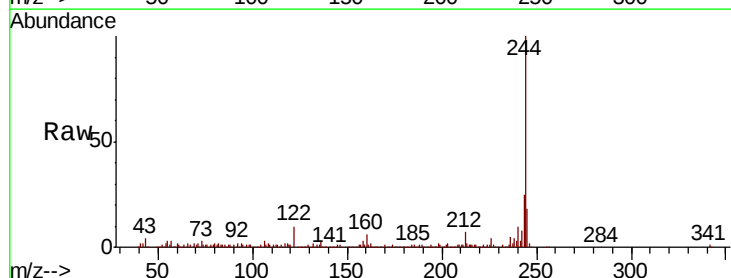
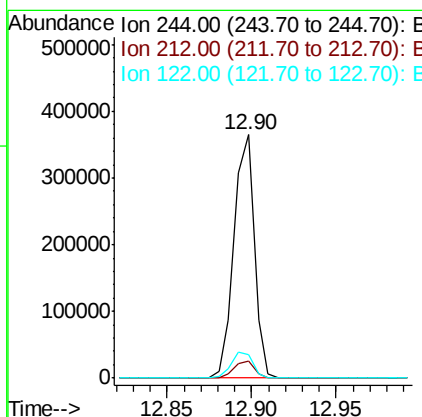
Manual Integrations
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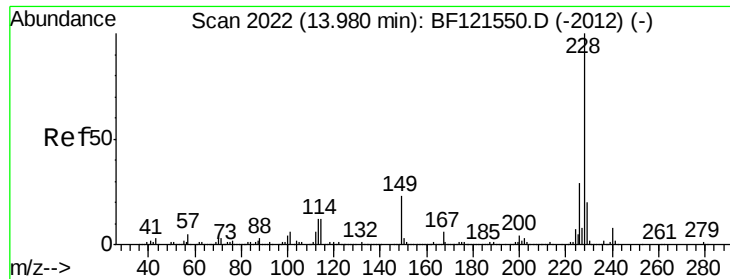
mohammad
9/29/2020 3:24:05 PM



#79
Terphenyl-d14
Concen: 12.939 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	8.0	12.0





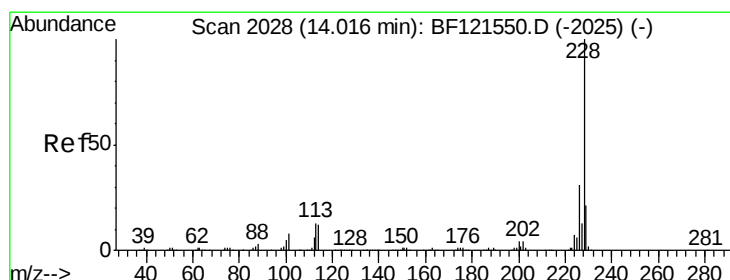
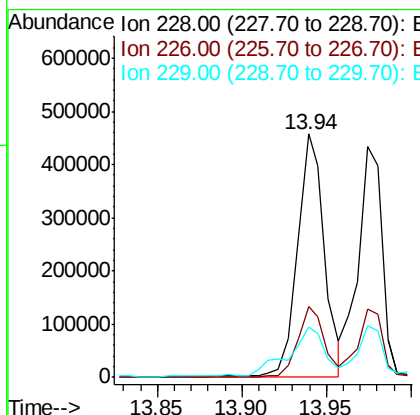
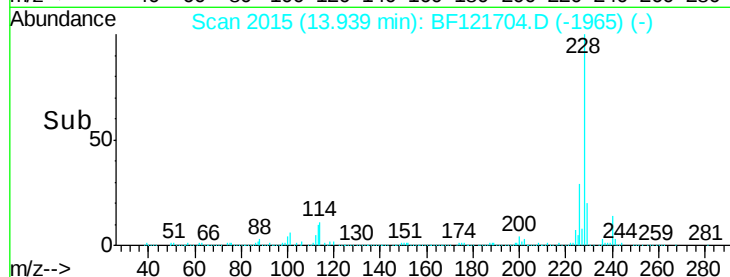
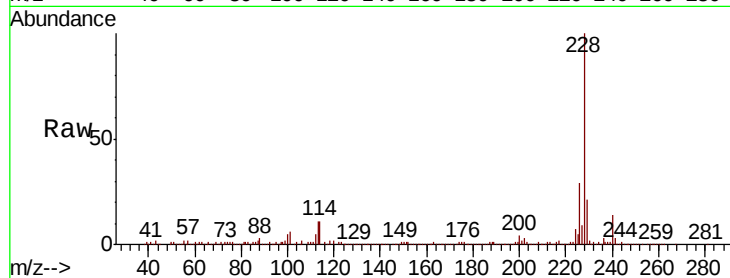
#81
Benzo(a)anthracene
Concen: 16.719 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	20.6	16.2	24.4

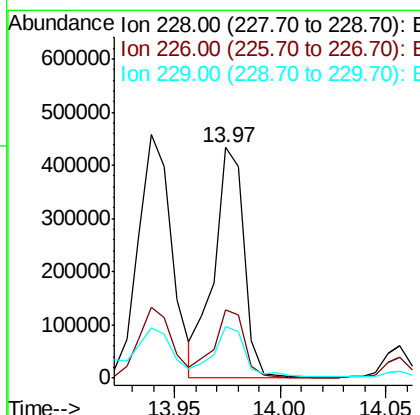
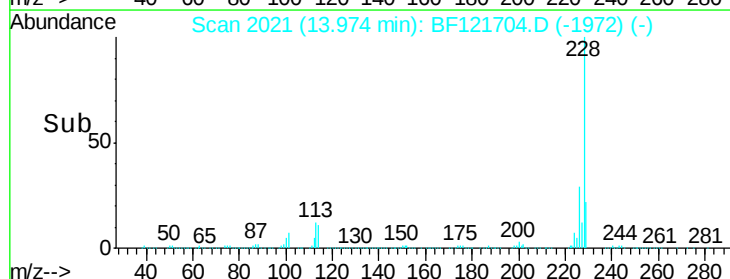
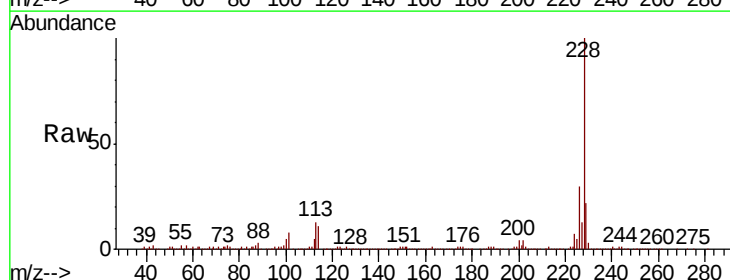
Manual Integrations
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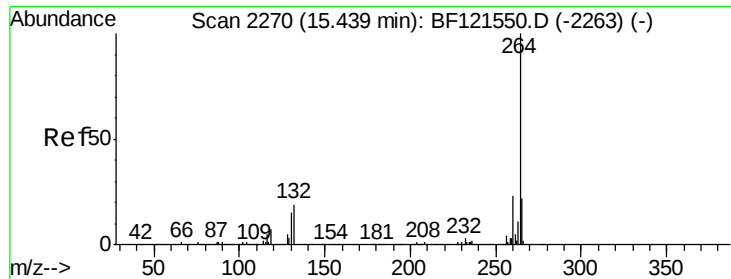
mohammad
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#83
Chrysene
Concen: 13.953 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	22.4	16.0	24.0





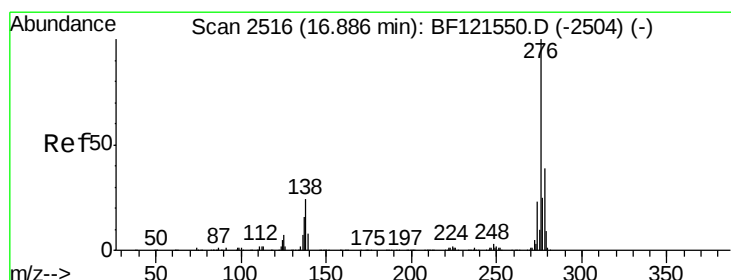
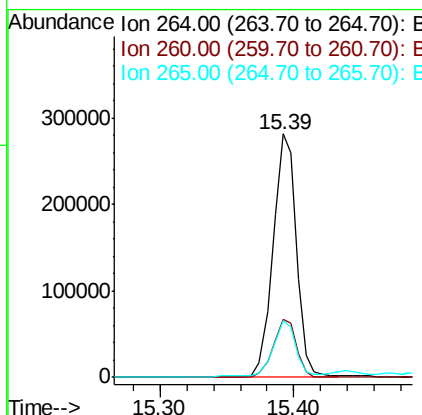
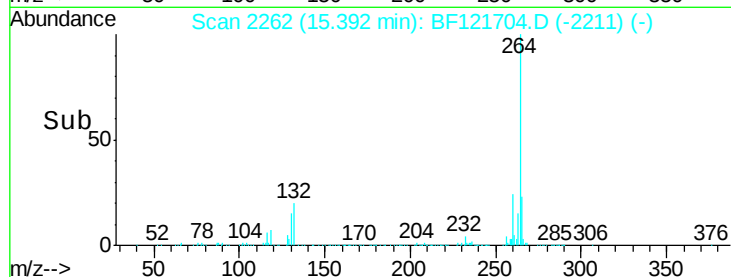
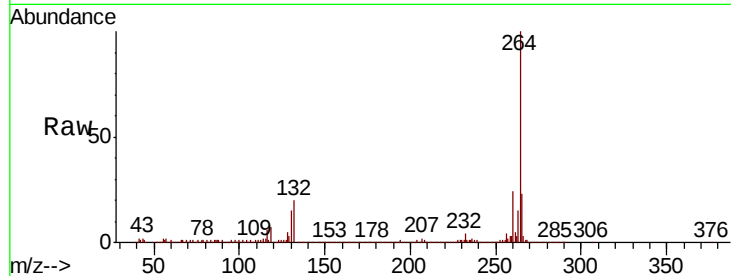
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion:	264	Resp:	345692
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.4	27.6
265	23.2	17.2	25.8

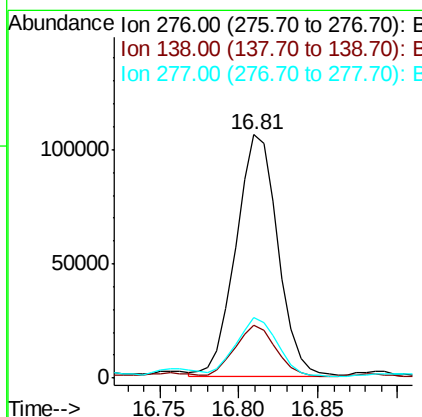
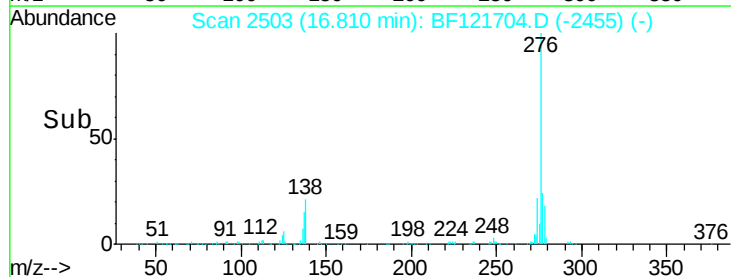
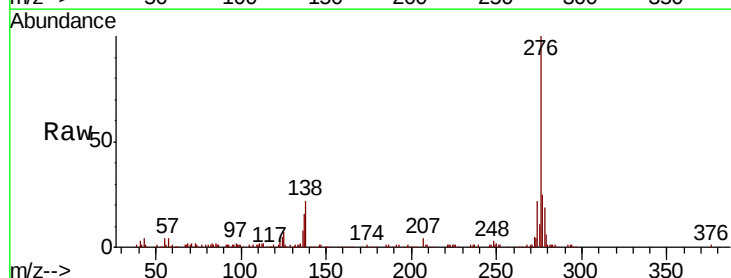
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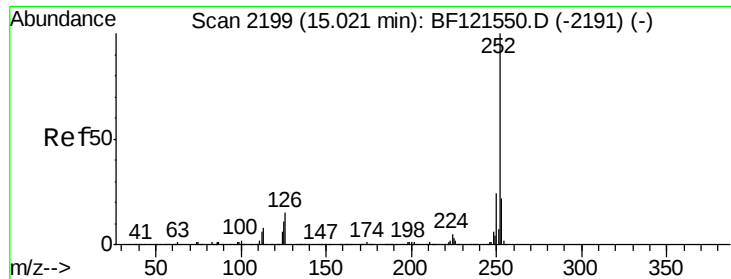
mohammad
9/29/2020 3:24:05 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.703 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.02 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion:	276	Resp:	195927
Ion Ratio	Lower	Upper	
276	100		
138	20.9	19.5	29.3
277	24.0	20.2	30.4





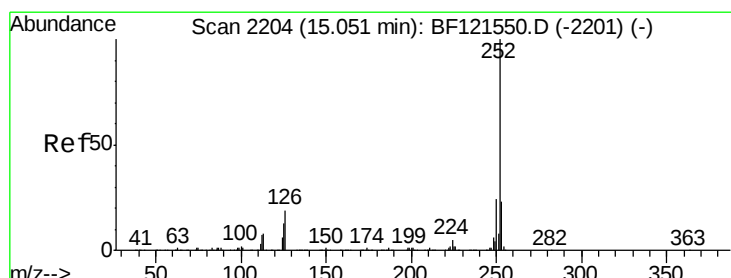
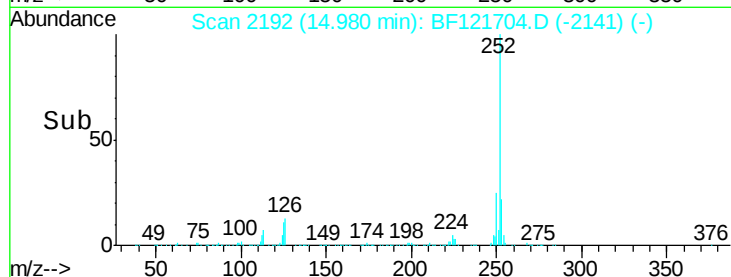
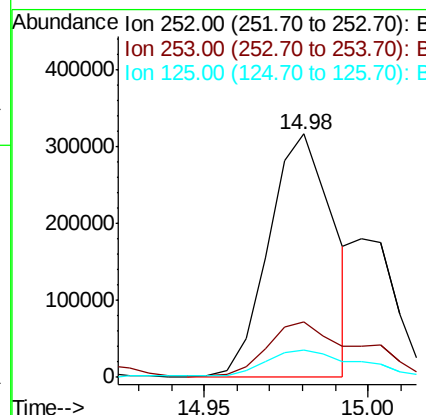
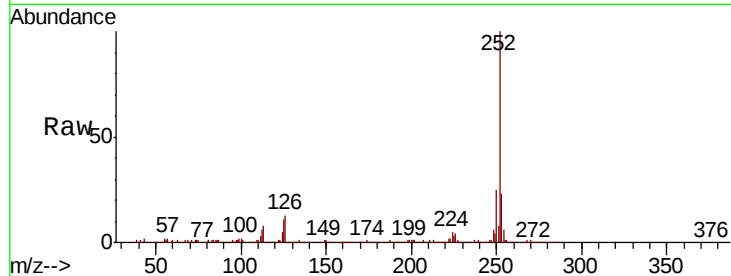
#88
Benzo(b)fluoranthene
Concen: 18.767 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.2	8.6	13.0

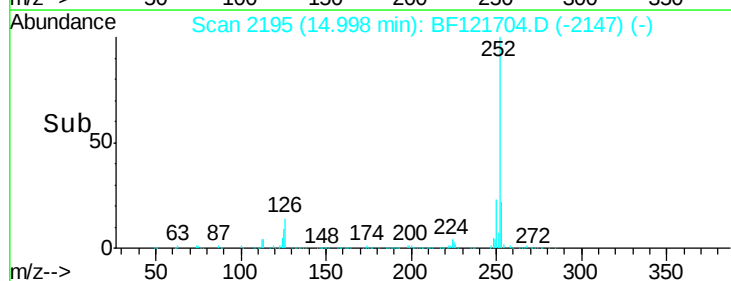
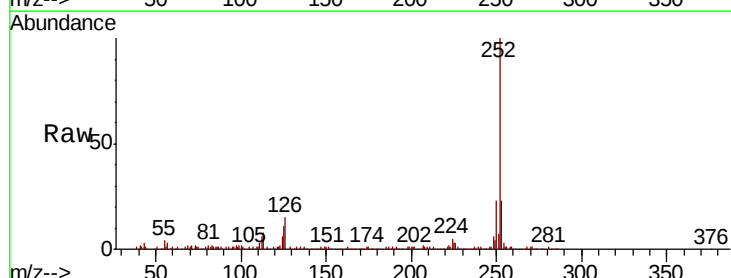
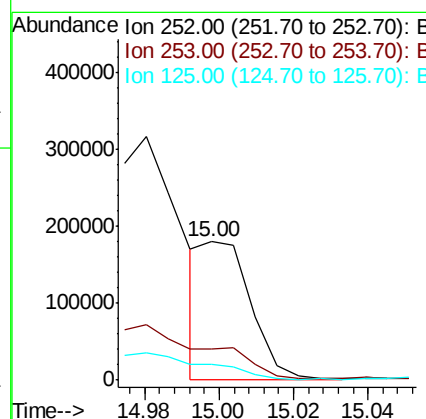
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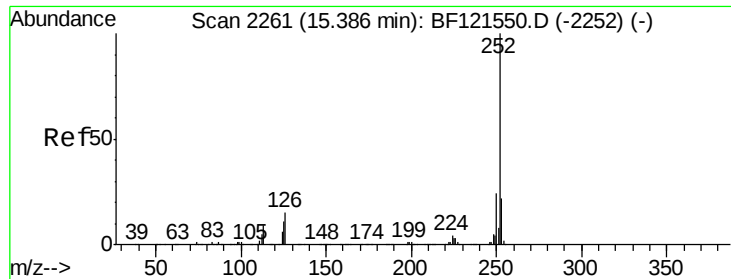
mohammad
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#89
Benzo(k)fluoranthene
Concen: 7.750 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.0	7.1	10.7#





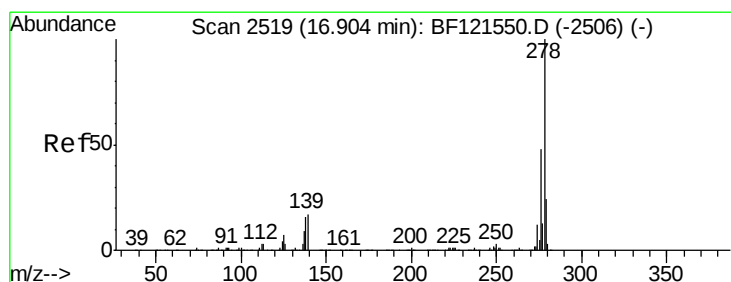
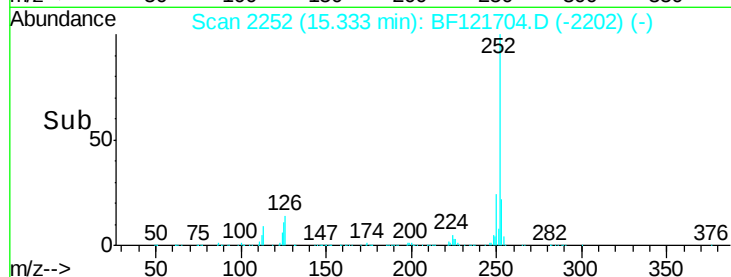
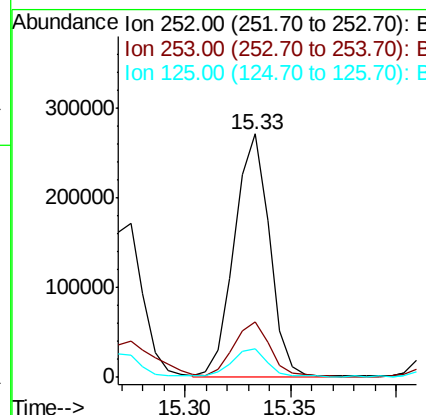
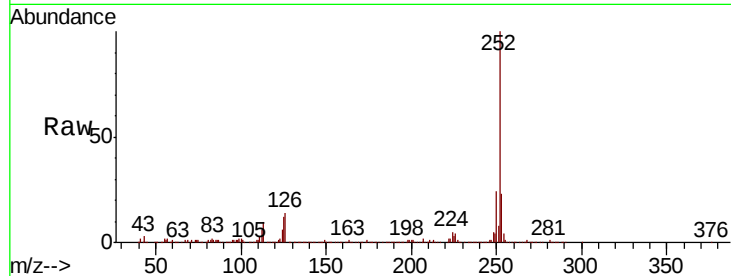
#90
Benzo(a)pyrene
Concen: 15.784 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Instrument :
BNA_F
ClientSampleId :
B-3(9-11)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	11.6	9.2	13.8

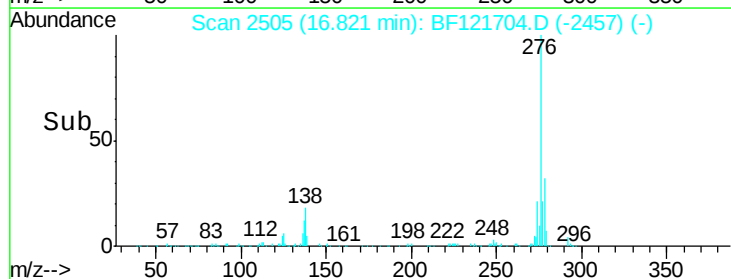
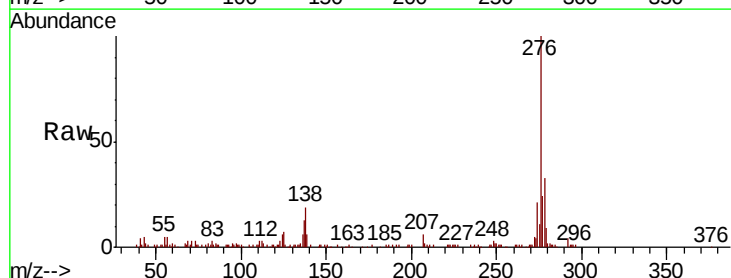
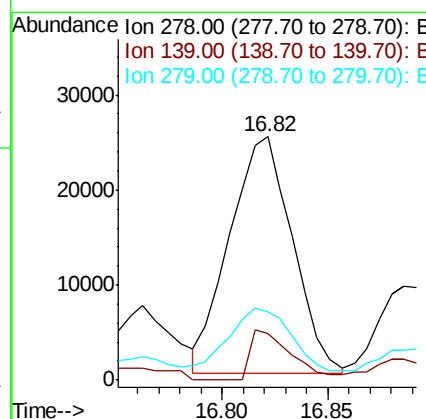
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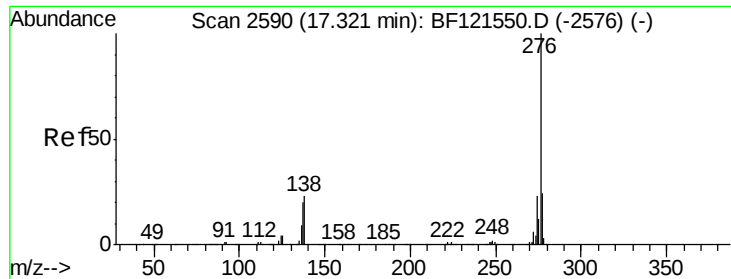
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.749 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF121704.D
Acq: 28 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.0	19.4
279	28.0	19.3	28.9





#92
 Benzo(a,h,i)perylene
 Concen: 10.162 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. -0.02 min
 Lab File: BF121704.D
 Acq: 28 Sep 2020 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-3(9-11)DL

Tot Ion:	276	Resp:	187197
Ion Ratio		Lower	Upper
276	100		
277	23.1	18.8	28.2
138	20.8	16.6	25.0

Manual Integrations
 APPROVED

mohammad
 9/29/2020 3:24:05 PM

