

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
 Data File : BF121751.D
 Acq On : 30 Sep 2020 21:37
 Operator : JU/CG
 Sample : L4190-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-0-10

Manual Integrations
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Quant Time: Oct 01 01:08:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	166892	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	648683	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	340322	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	598729	20.00	ng	-0.01
76) Chrysene-d12	13.93	240	386831	20.00	ng	-0.01
86) Perylene-d12	15.37	264	343570	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	932061	83.00	ng	0.00
7) Phenol-d6	6.42	99	1205016	81.79	ng	-0.01
23) Nitrobenzene-d5	7.34	82	840655	69.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	372969	88.18	ng	-0.01
45) 2-Fluorobiphenyl	9.14	172	1469664	65.40	ng	-0.01
79) Terphenyl-d14	12.89	244	1352142	70.81	ng	0.00
Target Compounds						
31) Naphthalene	8.08	128	80023	2.337	ng	99
50) Dimethylphthalate	9.53	163	152106	6.167	ng	99
52) Acenaphthene	9.85	154	82245	3.947	ng	99
55) Dibenzofuran	10.02	168	76144	2.595	ng	97
58) Fluorene	10.36	166	80289	3.578	ng	98
71) Phenanthrene	11.32	178	577990	17.718	ng	99
72) Anthracene	11.37	178	172604	5.127	ng	98
75) Fluoranthene	12.51	202	461511	13.253	ng	99
78) Pyrene	12.73	202	370329	13.103	ng	100
81) Benzo(a)anthracene	13.92	228	135905	5.553	ng	98
83) Chrysene	13.96	228	118339	4.775	ng	96
87) Indeno(1,2,3-cd)pyrene	16.78	276	53531	2.393	ng	96
88) Benzo(b)fluoranthene	14.96	252	114265m	4.975	ng	
90) Benzo(a)pyrene	15.31	252	91890	4.707	ng	96
92) Benzo(a,h,i)perylene	17.20	276	56010	3.059	ng	98

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

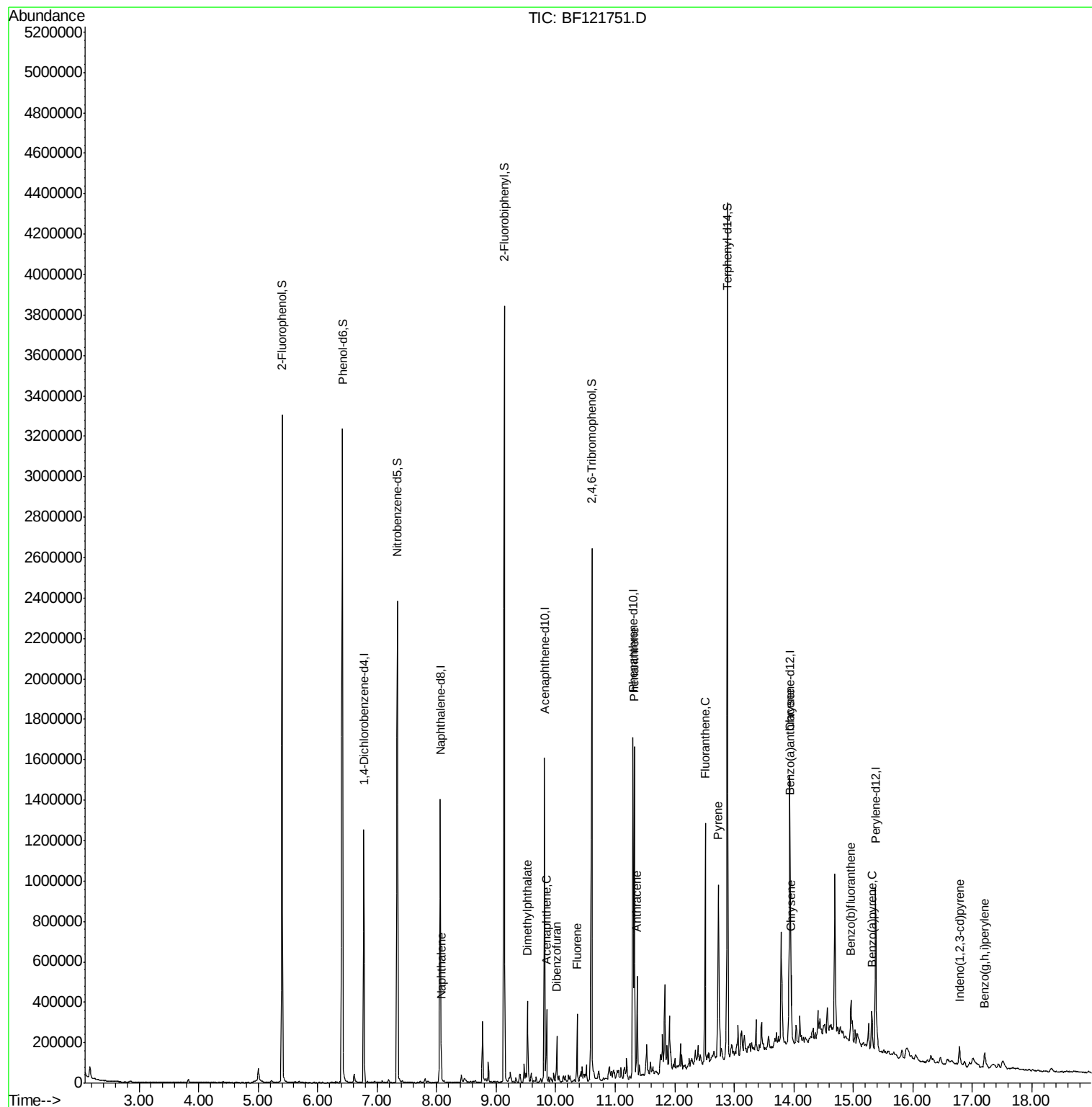
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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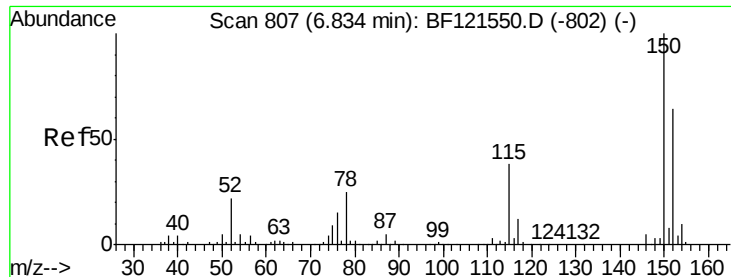
Instrument :
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PAV-B14-092920-0-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

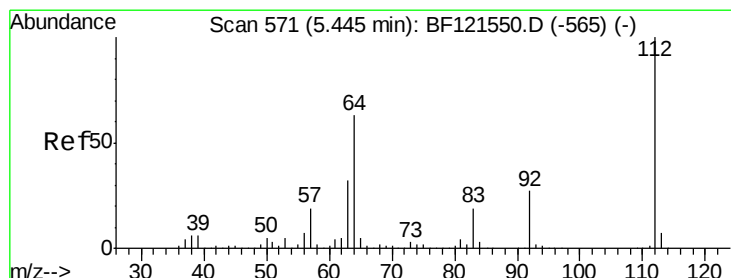
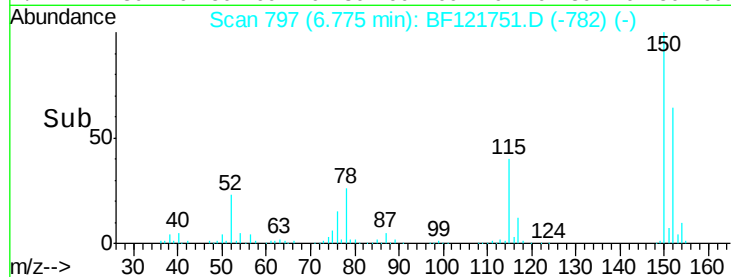
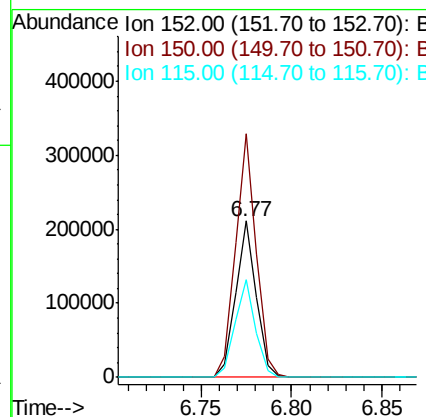
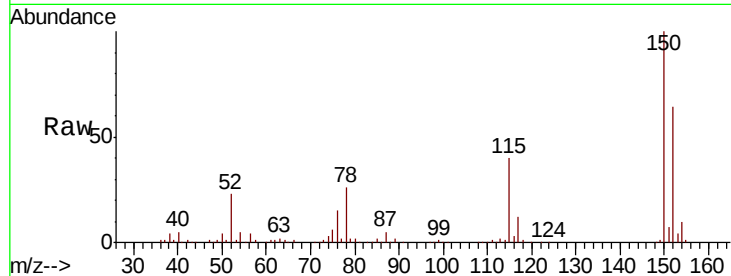
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.8	188.8
115	62.9	49.6	74.4

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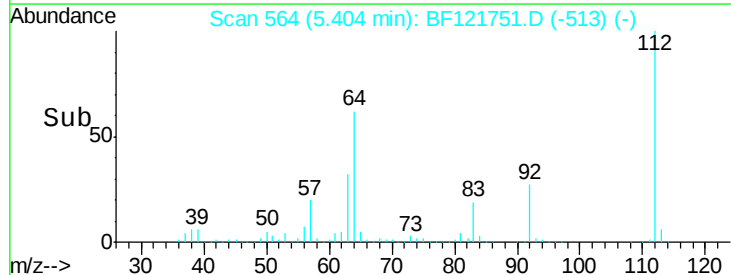
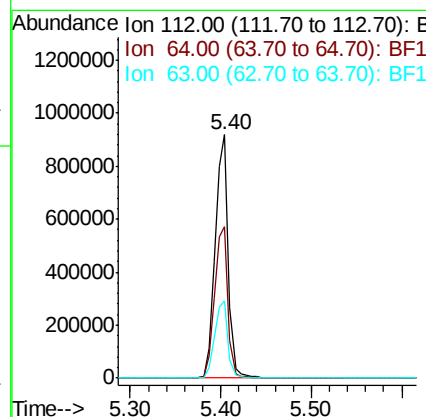
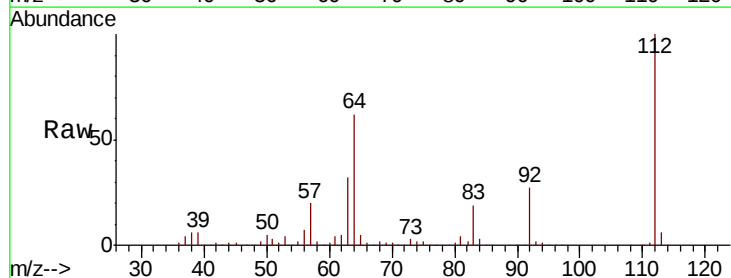
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#5

2-Fluorophenol
Concen: 82.997 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	51.2	76.8
63	31.9	25.9	38.9





#7

Phenol-d6

Concen: 81.790 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF121751.D

Acq: 30 Sep 2020 21:37

Instrument :

BNA_F

ClientSampleId :

PAV-B14-092920-0-10

Tot Ion: 99 Resp: 1205016

Ion Ratio Lower Upper

99 100

42 19.9 16.5 24.7

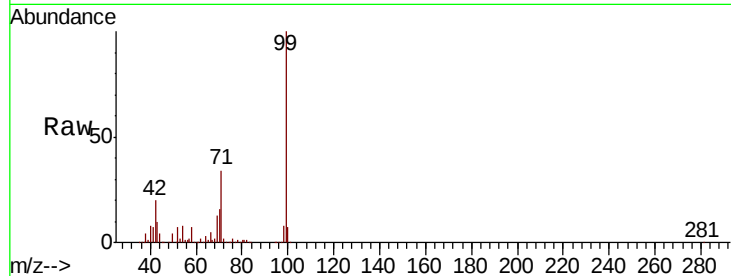
71 34.3 27.8 41.6

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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

1500000

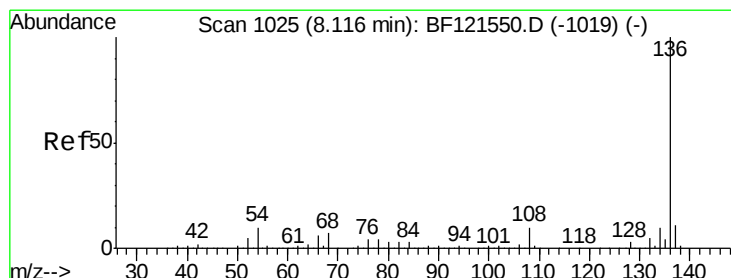
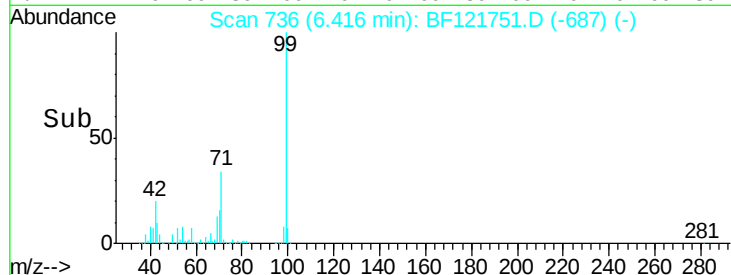
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500000

0

6.30 6.40 6.50 6.60

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF121751.D

Acq: 30 Sep 2020 21:37

Tgt Ion: 136 Resp: 648683

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.6 7.8 11.8

68 6.7 5.6 8.4

Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

1000000

800000

600000

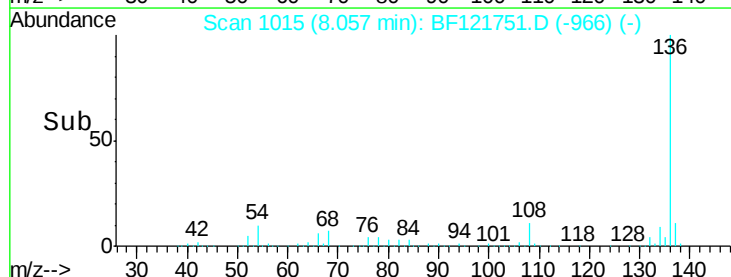
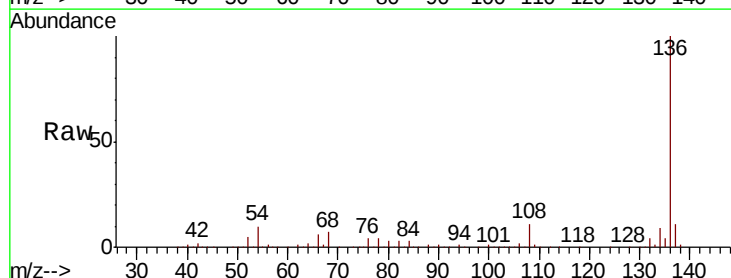
400000

200000

0

8.00 8.10 8.20

Time-->





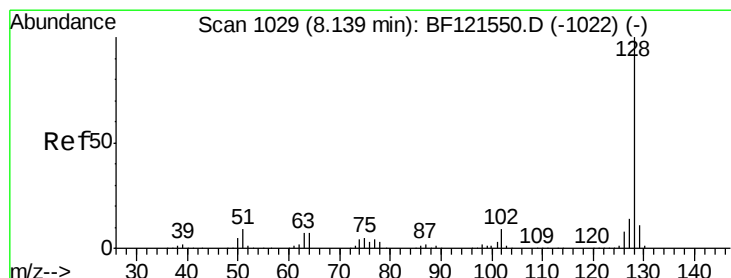
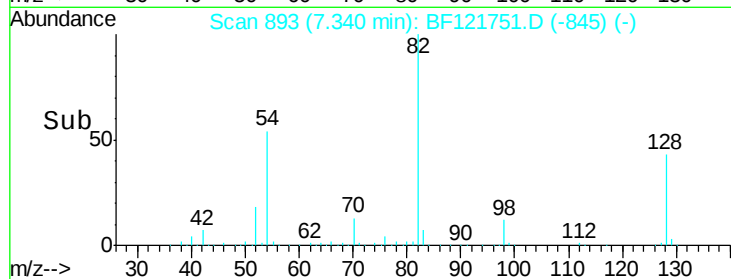
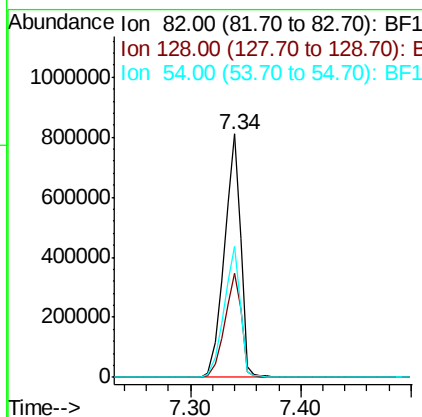
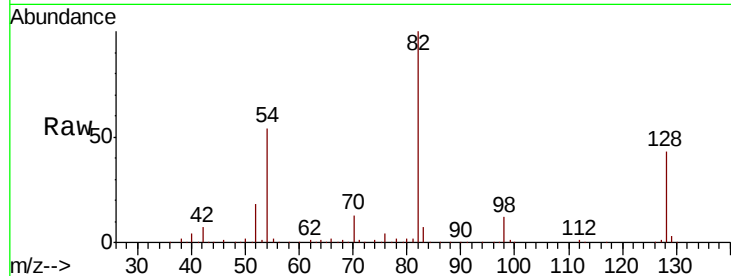
#23
Nitrobenzene-d5
Concen: 69.581 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.5	35.0	52.4	
54	53.7	42.5	63.7	

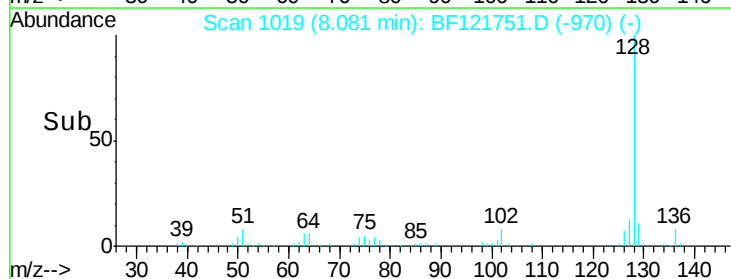
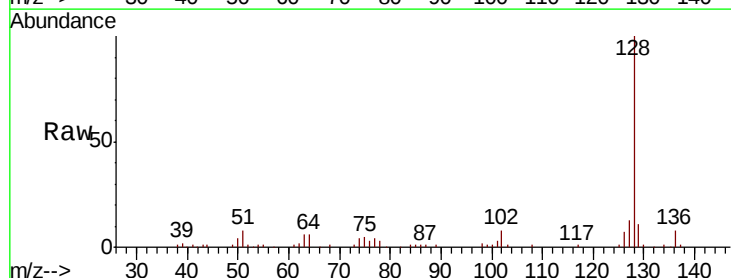
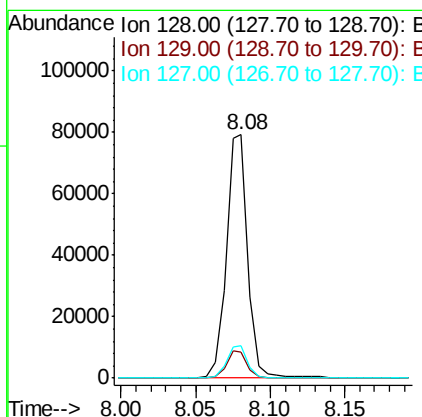
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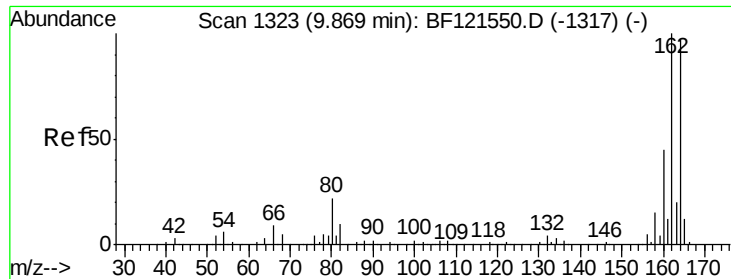
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#31
Naphthalene
Concen: 2.337 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.8	9.2	13.8	
127	13.4	10.9	16.3	





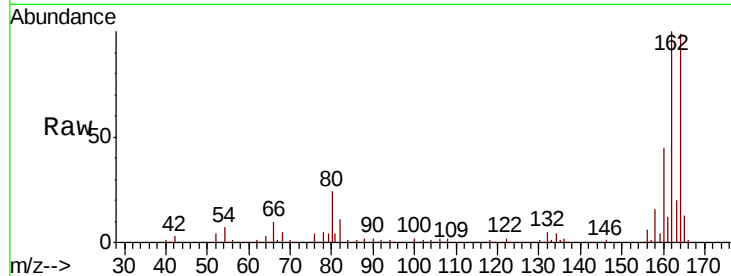
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

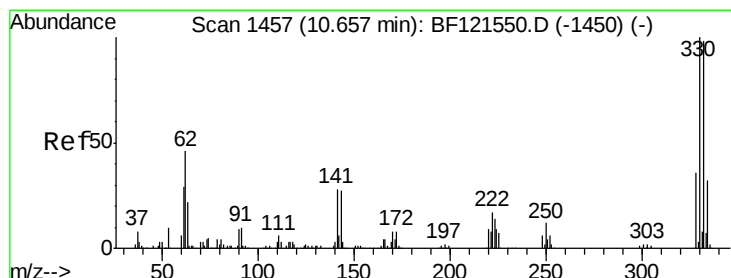
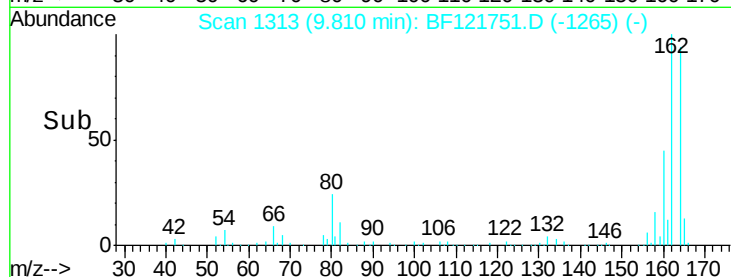
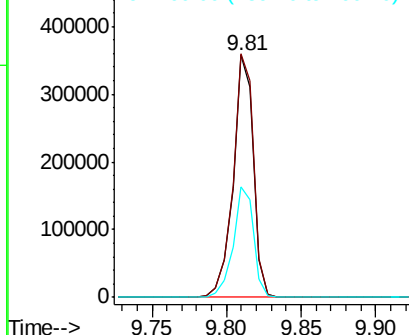
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	80.6	121.0	
160	45.6	36.9	55.3	

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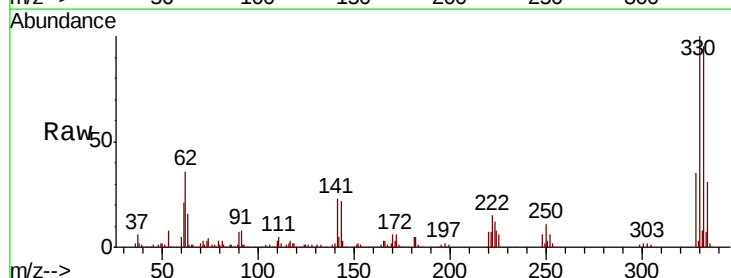


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

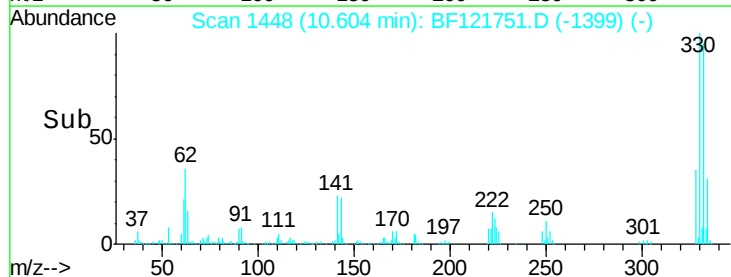
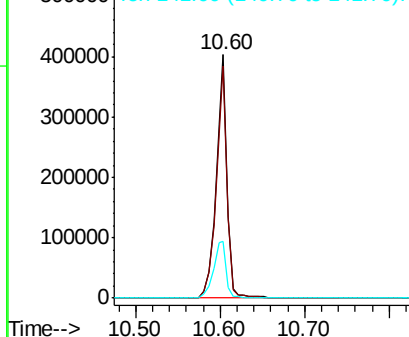


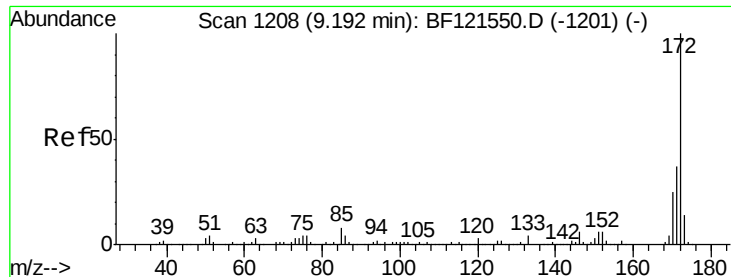
#42
2,4,6-Tribromophenol
Concen: 88.178 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.6	116.4	
141	28.0	22.9	34.3	



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





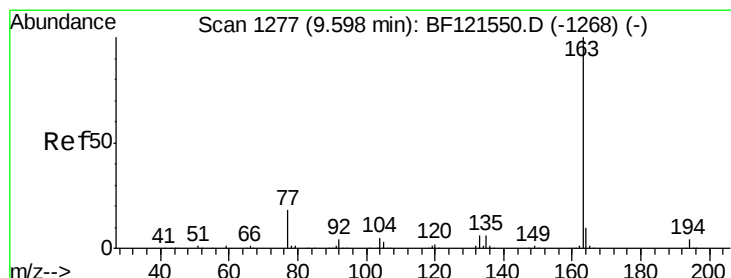
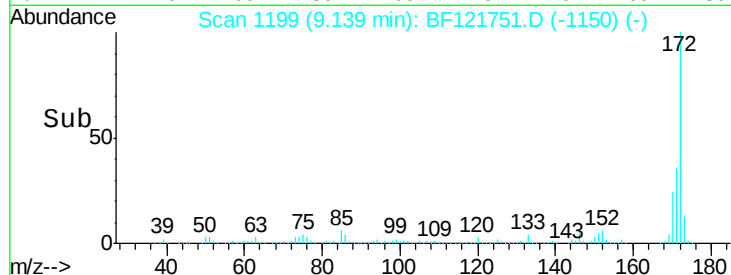
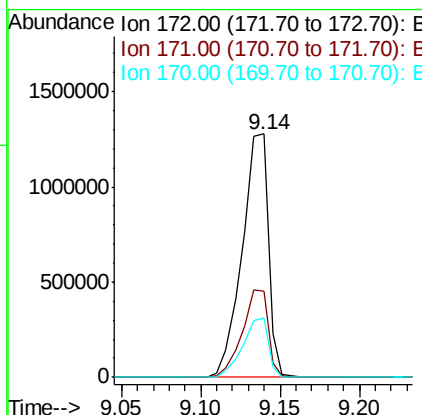
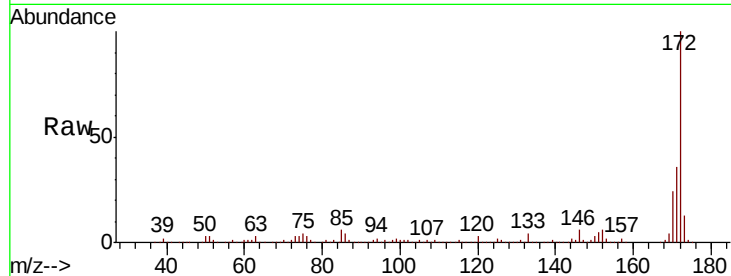
#45
2-Fluorobiphenyl
Concen: 65.404 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	24.1	19.7	29.5

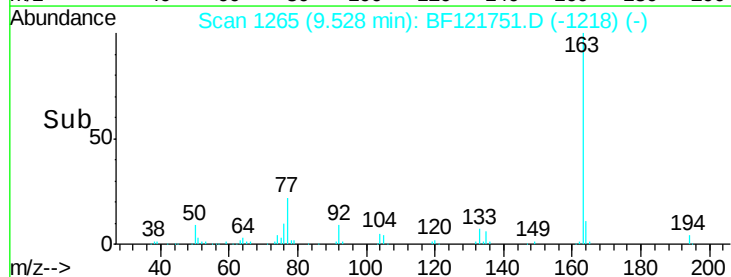
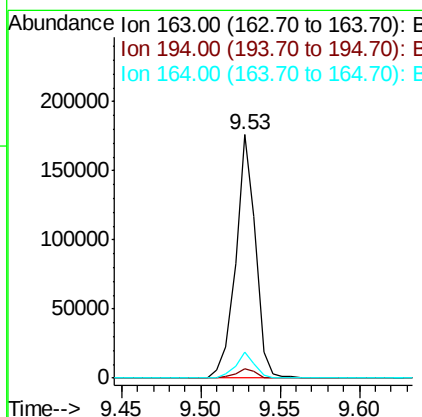
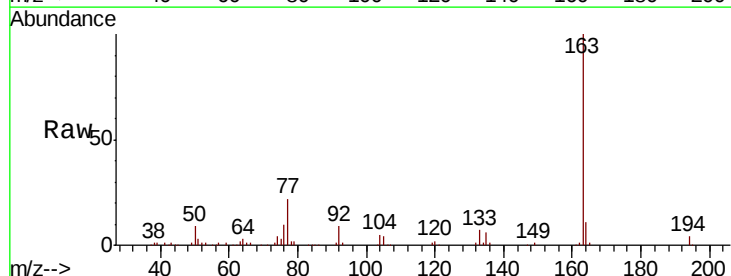
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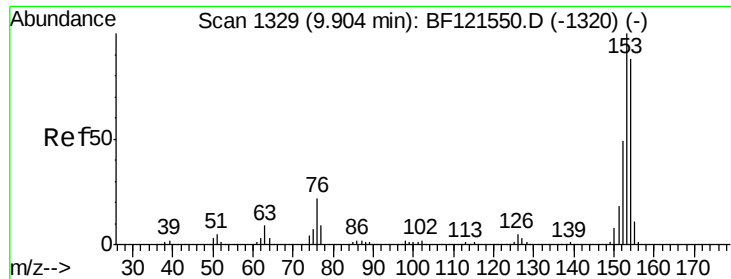
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#50
Dimethylphthalate
Concen: 6.167 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.9	8.5	12.7





#52

Acenaphthene

Concen: 3.947 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF121751.D

Acq: 30 Sep 2020 21:37

Instrument :

BNA_F

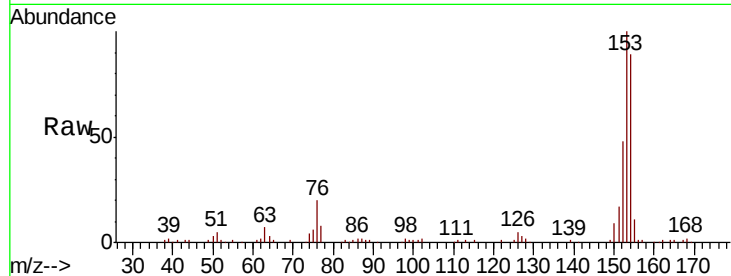
ClientSampleId :

PAV-B14-092920-0-10

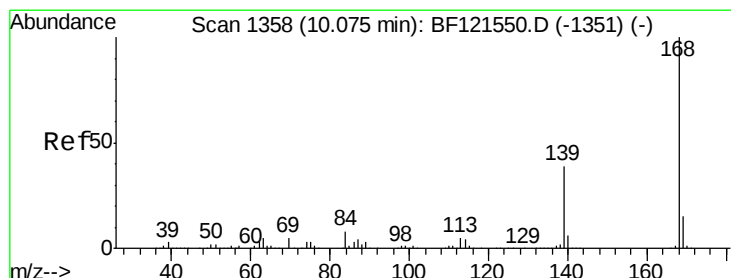
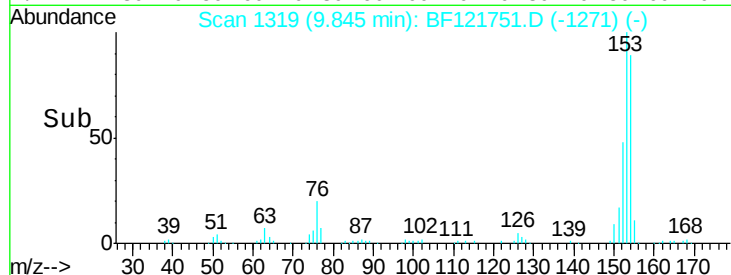
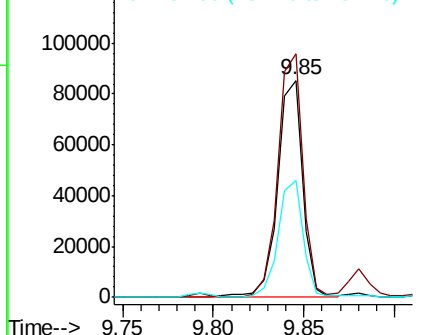
Tot Ion:	154	Resp:	82245
Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.7	136.1
152	53.7	43.9	65.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.595 ng

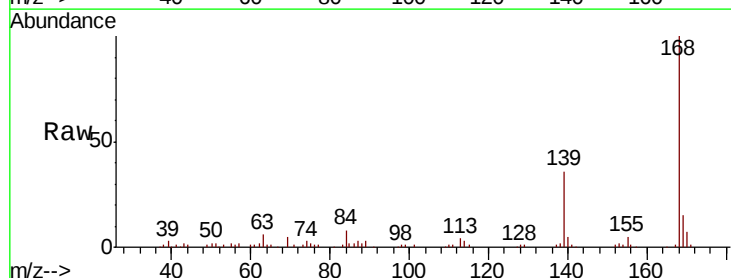
RT: 10.02 min Scan# 1348

Delta R.T. -0.02 min

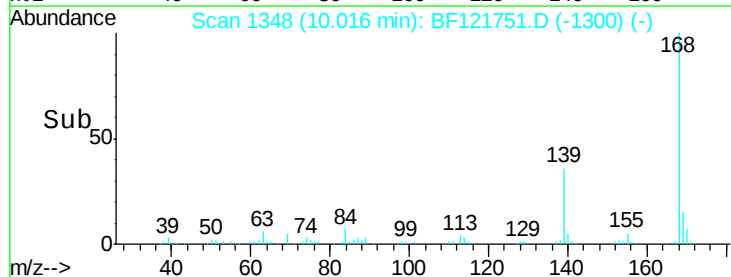
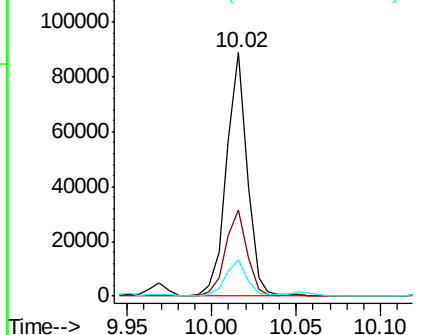
Lab File: BF121751.D

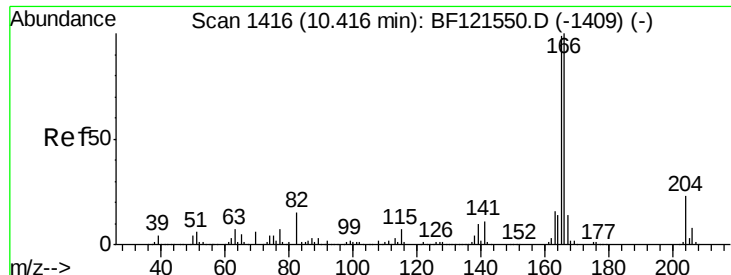
Acq: 30 Sep 2020 21:37

Tgt Ion:	168	Resp:	76144
Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.3	45.5
169	14.6	11.2	16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





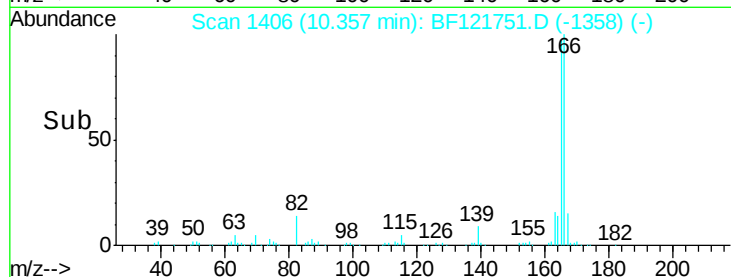
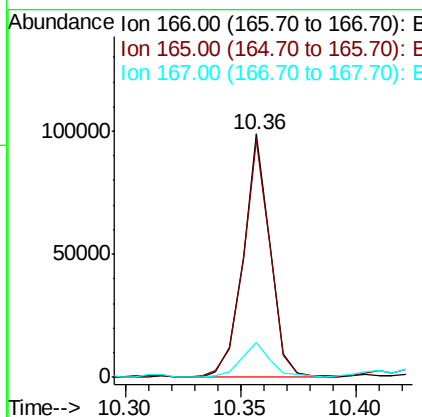
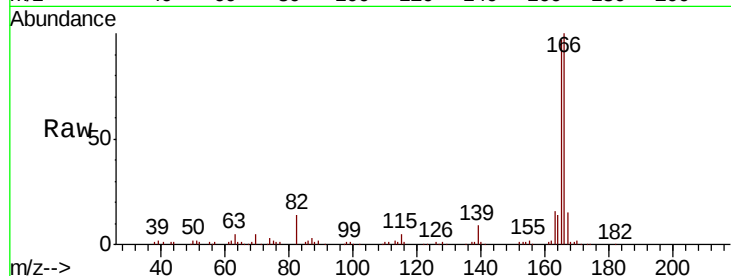
#58
Fluorene
 Concen: 3.578 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.02 min
 Lab File: BF121751.D
 Acq: 30 Sep 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.2	118.8
167	14.6	10.6	16.0

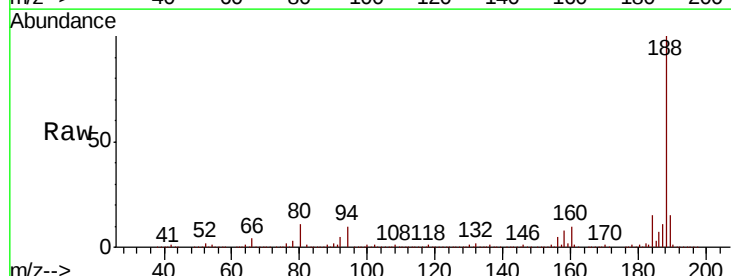
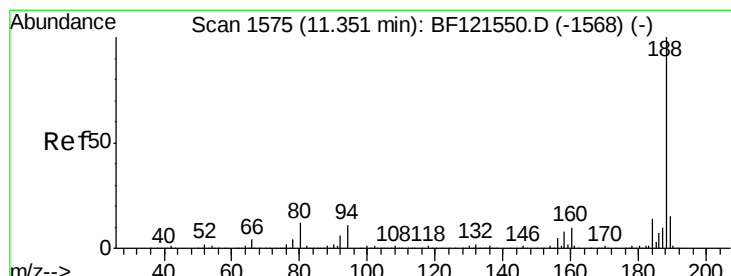
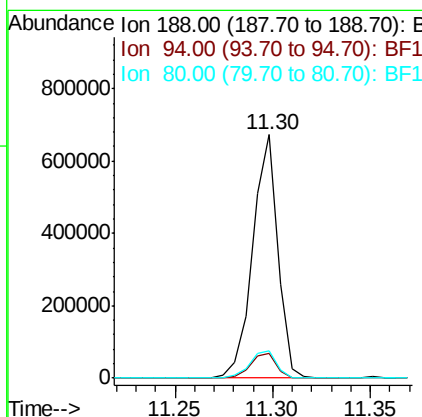
Manual Integrations
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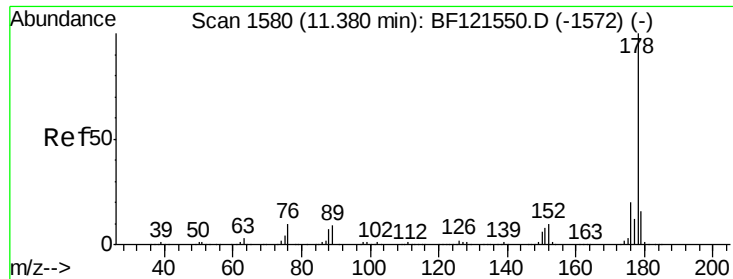
mohammad
 10/1/2020 1:32:33 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF121751.D
 Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	11.0	8.9	13.3





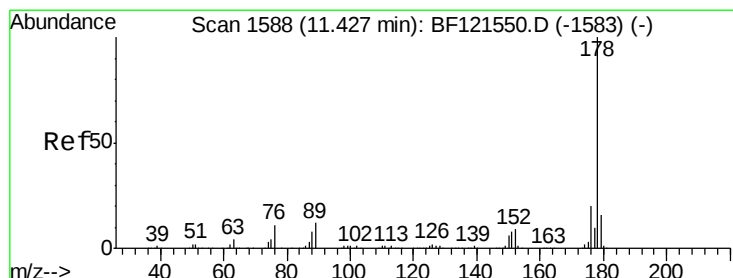
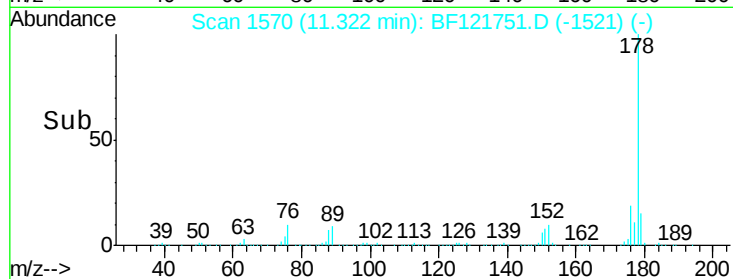
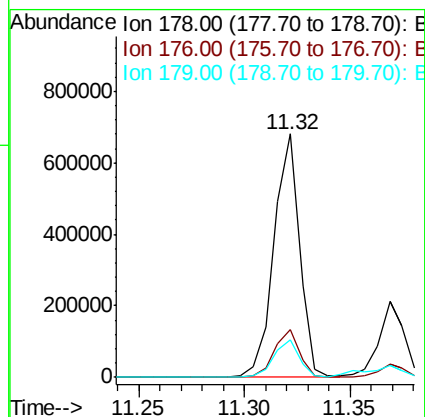
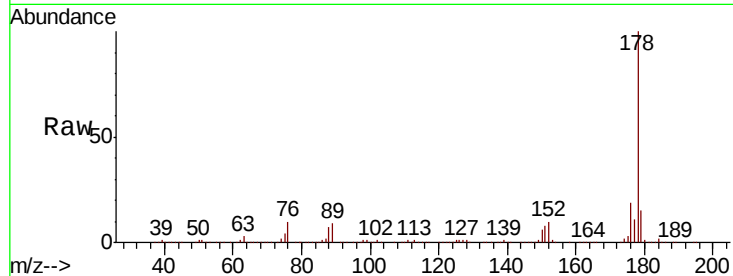
#71
Phenanthrene
Concen: 17.718 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.2	12.6	19.0

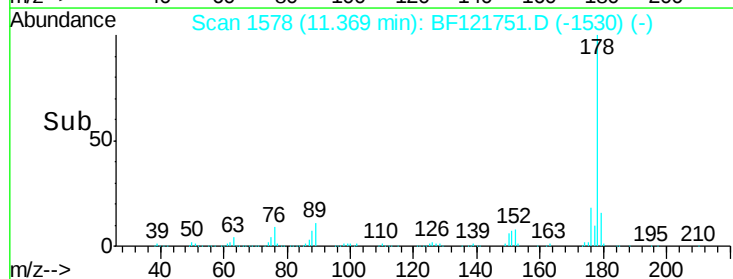
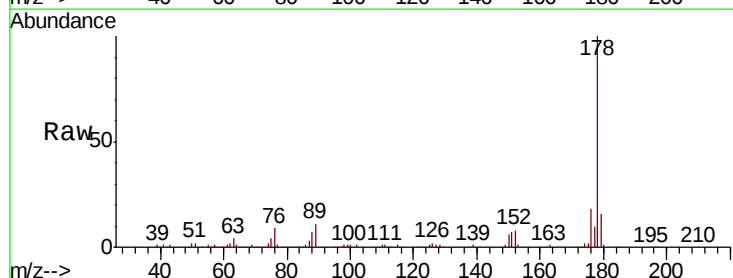
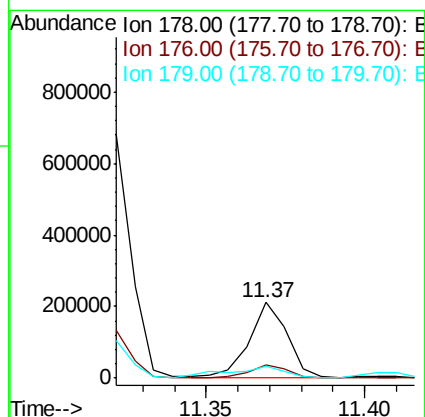
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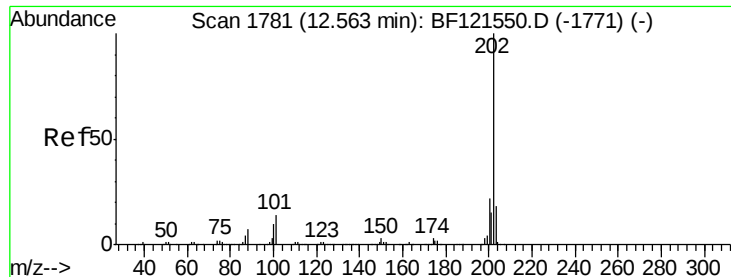
mohammad
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#72
Anthracene
Concen: 5.127 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.7	12.6	19.0





#75

Fluoranthene

Concen: 13.253 ng

RT: 12.51 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF121751.D

Acq: 30 Sep 2020 21:37

Instrument :

BNA_F

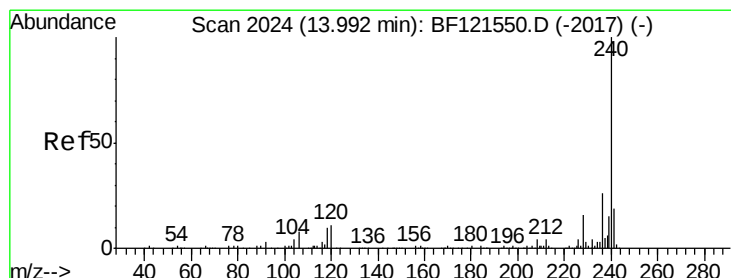
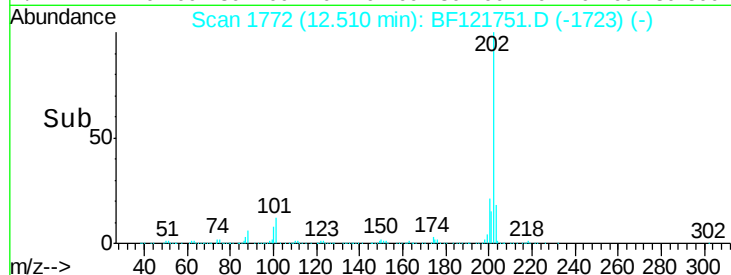
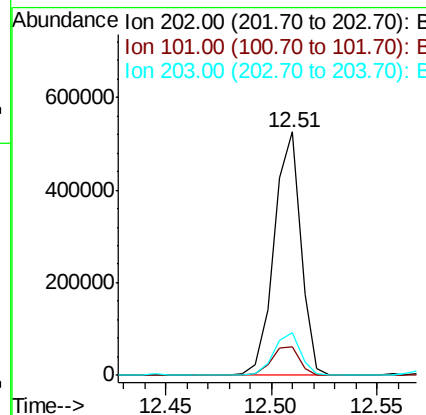
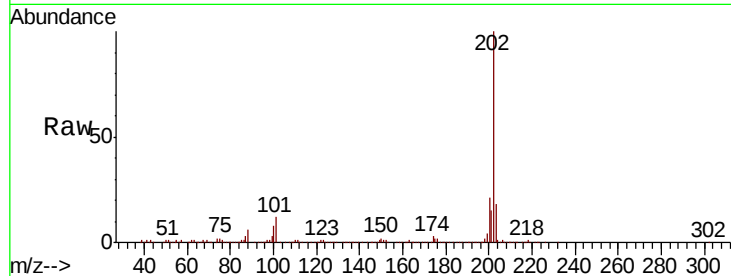
ClientSampleId :

PAV-B14-092920-0-10

Tot Ion:	202	Resp:	461511
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	32.0
203	17.6	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

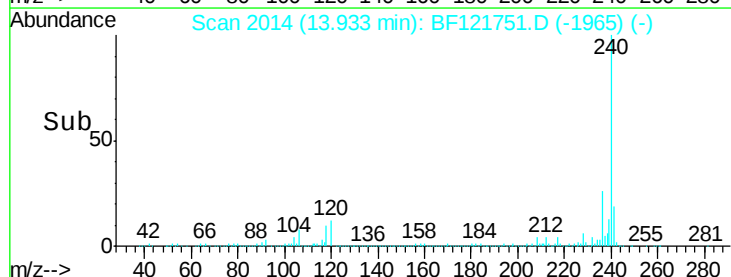
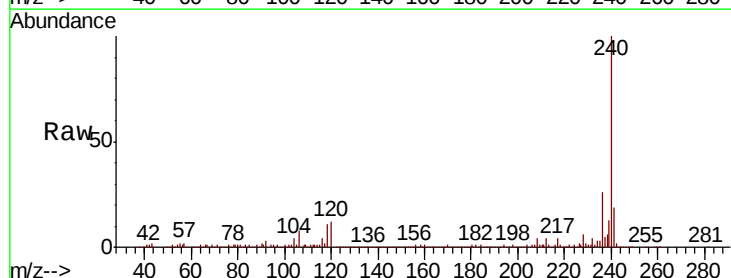
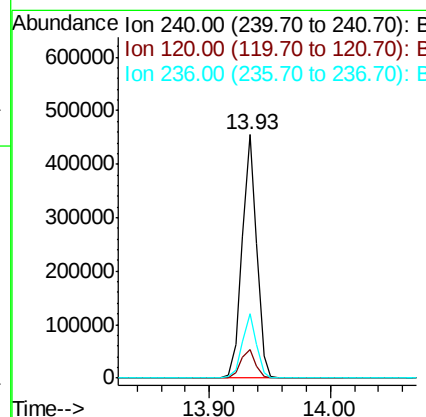
RT: 13.93 min Scan# 2014

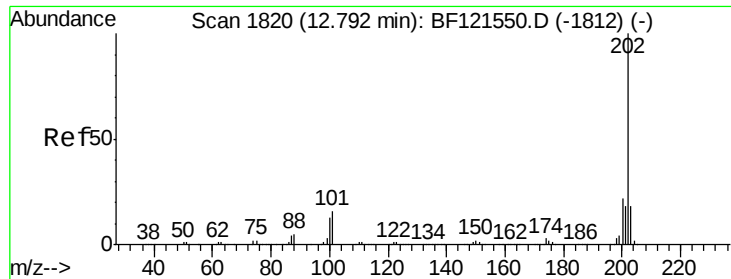
Delta R.T. -0.01 min

Lab File: BF121751.D

Acq: 30 Sep 2020 21:37

Tgt Ion:	240	Resp:	386831
Ion Ratio	Lower	Upper	
240	100		
120	11.9	10.2	15.4
236	26.2	20.4	30.6





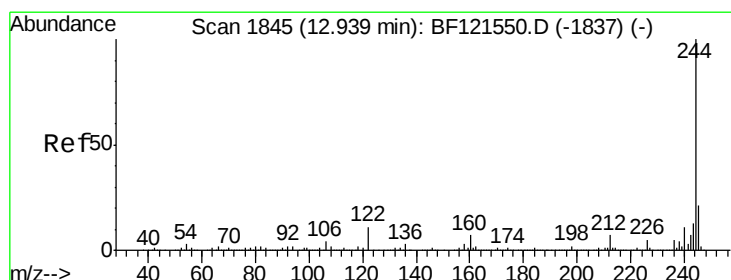
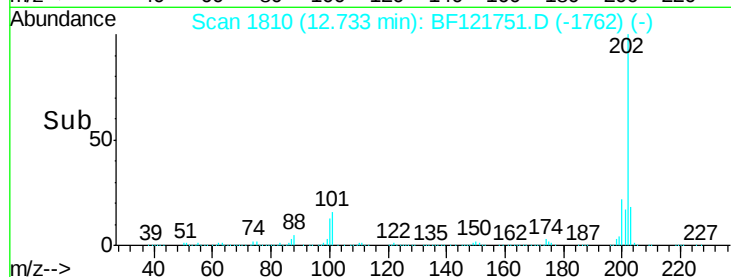
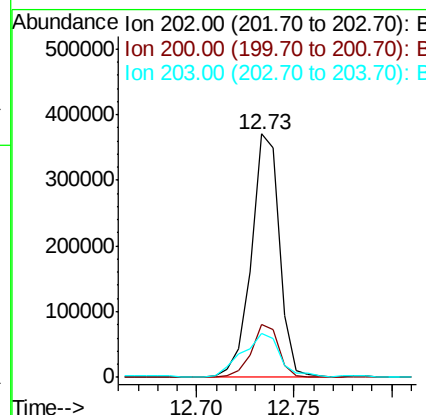
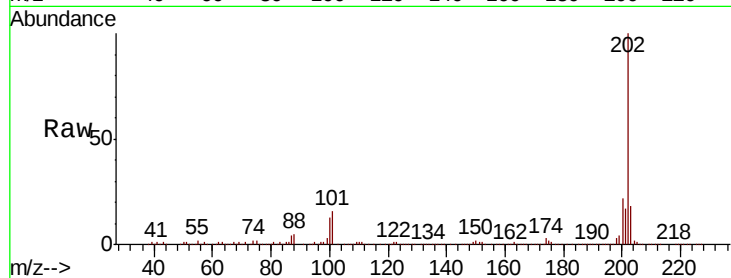
#78
Pvrene
Concen: 13.103 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.5	21.7

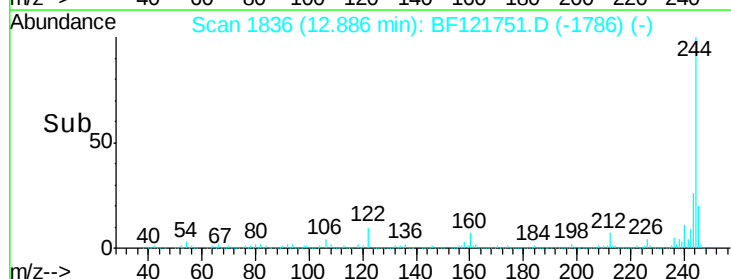
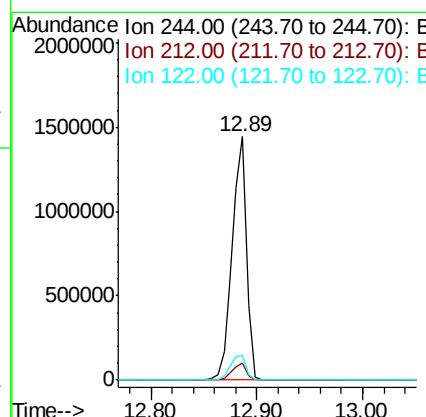
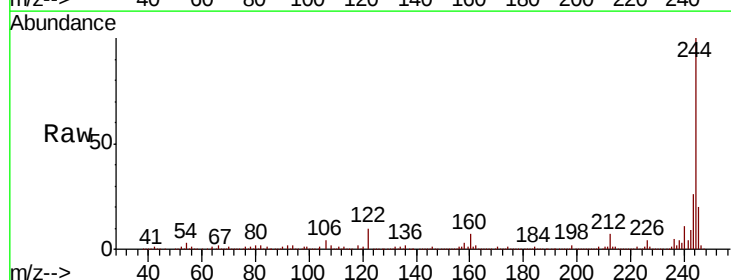
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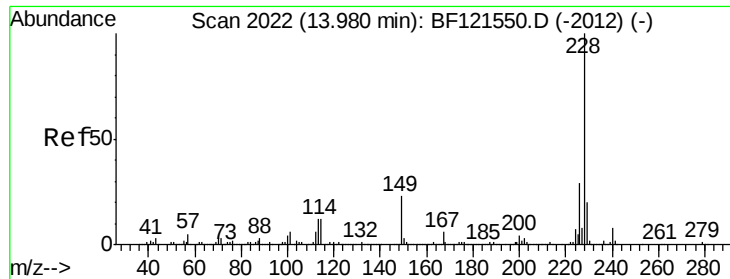
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#79
Terphenyl-d14
Concen: 70.814 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.1	9.0	13.4





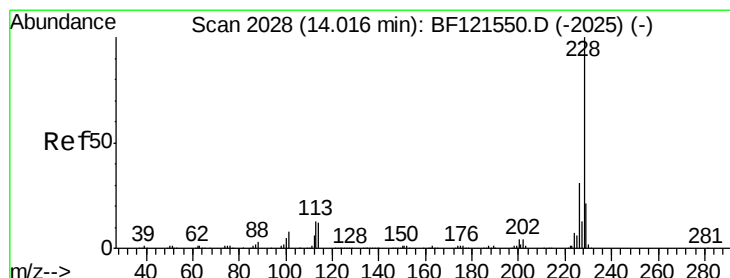
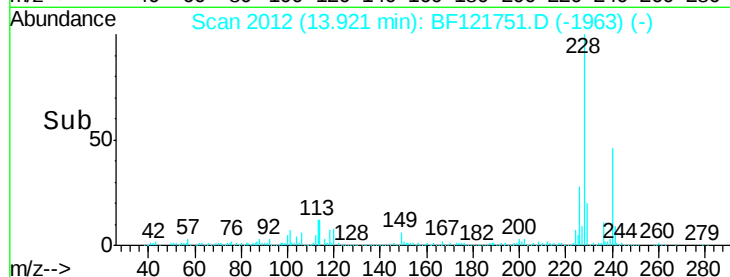
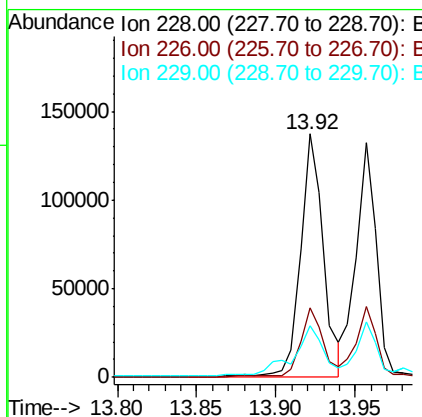
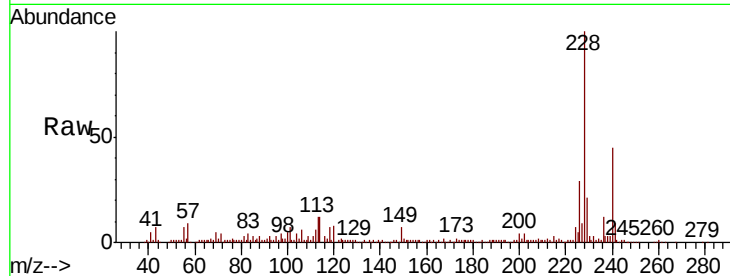
#81
Benzo(a)anthracene
Concen: 5.553 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.2
229	21.0	16.2	24.4

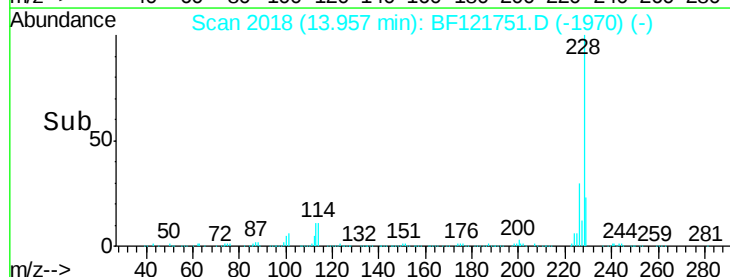
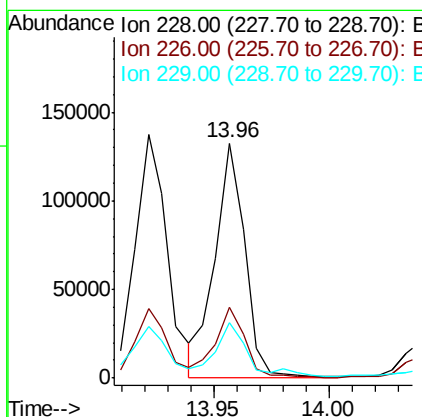
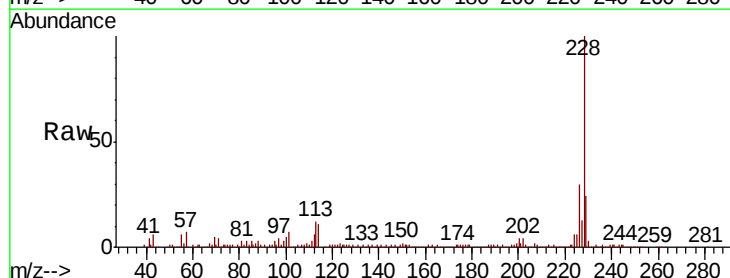
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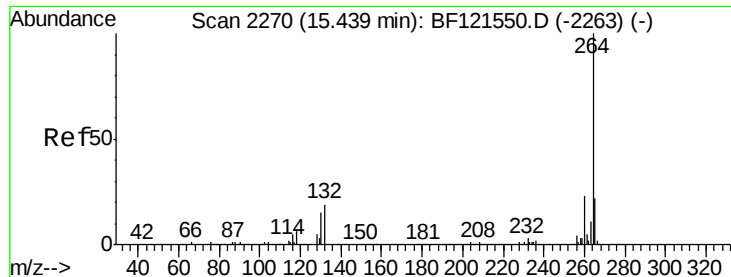
mohammad
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#83
Chrysene
Concen: 4.775 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	23.7	16.4	24.6





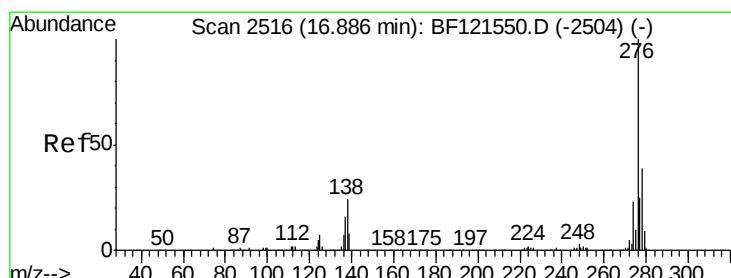
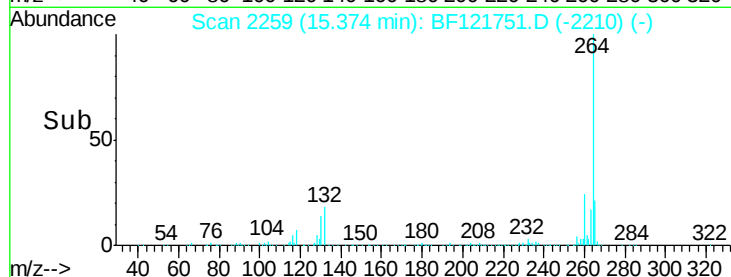
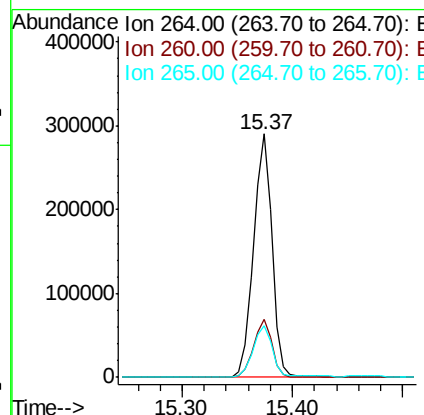
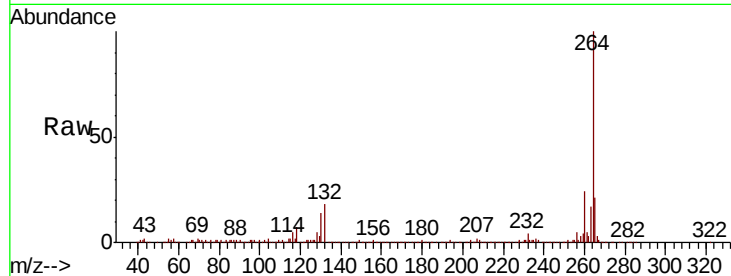
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.3	17.3	25.9

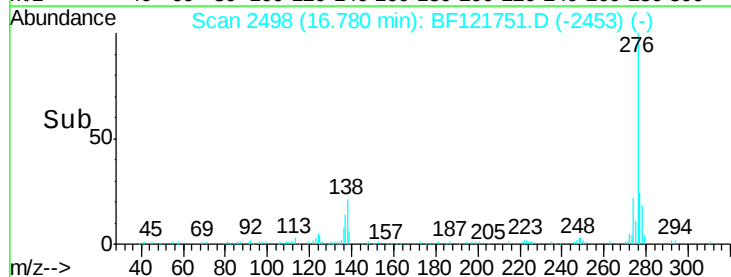
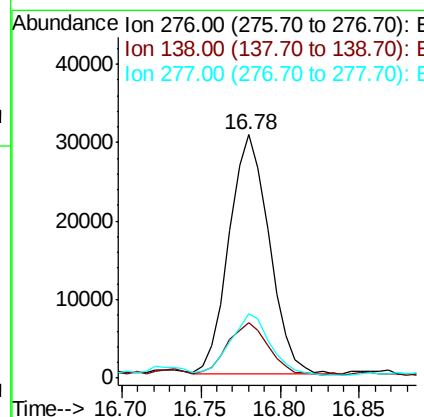
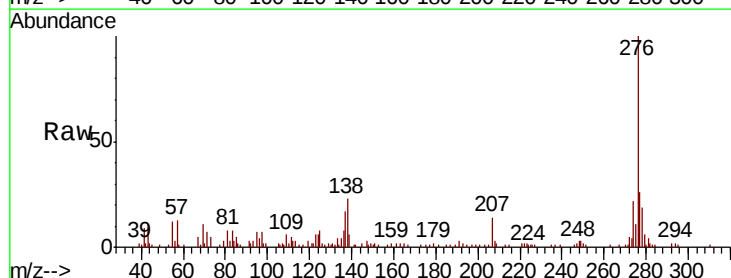
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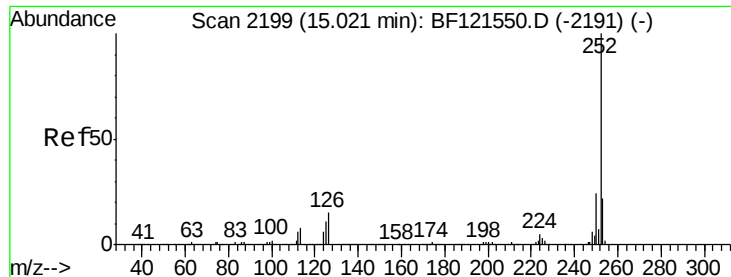
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.393 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.04 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.4	29.0
277	27.5	20.4	30.6





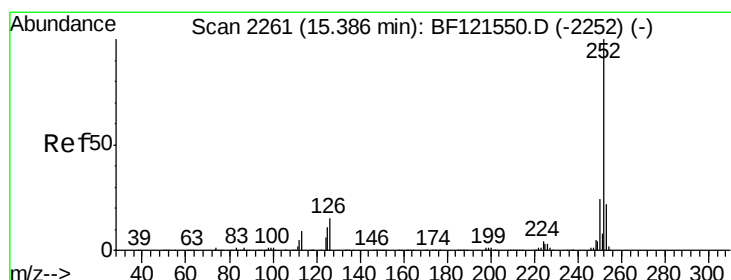
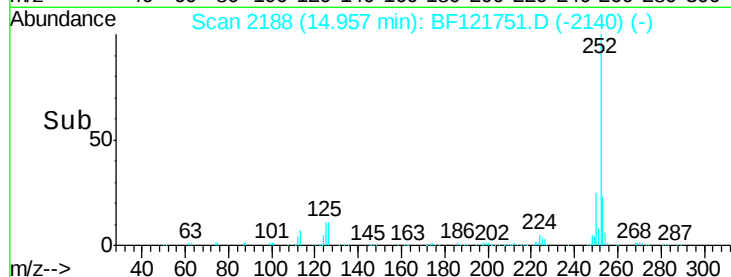
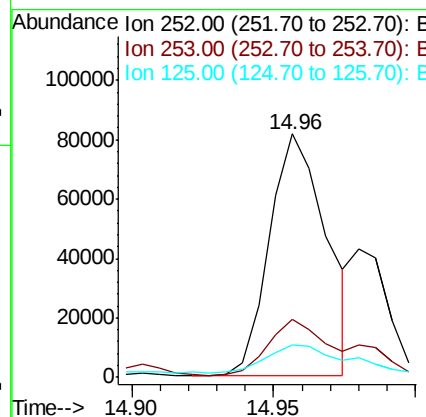
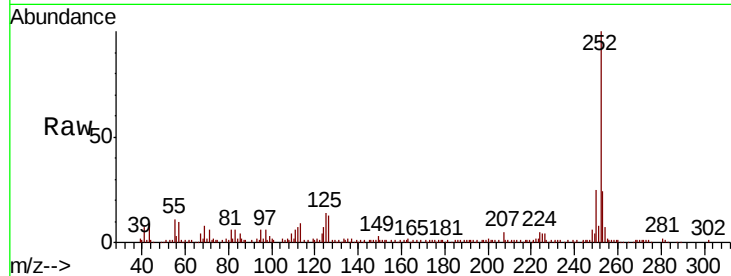
#88
Benzo(b)fluoranthene
Concen: 4.975 ng m
RT: 14.96 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	13.5	8.0	12.0

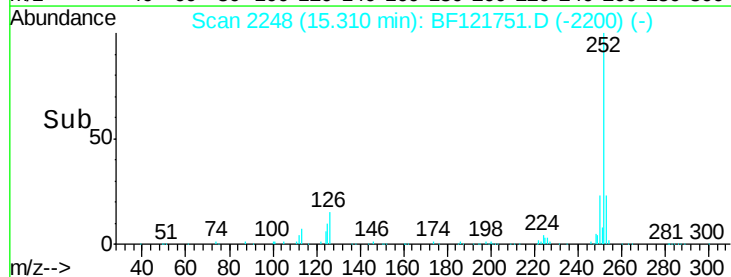
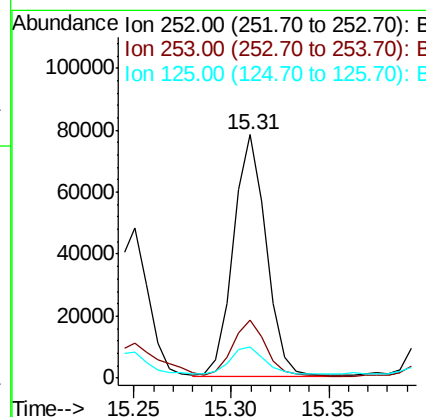
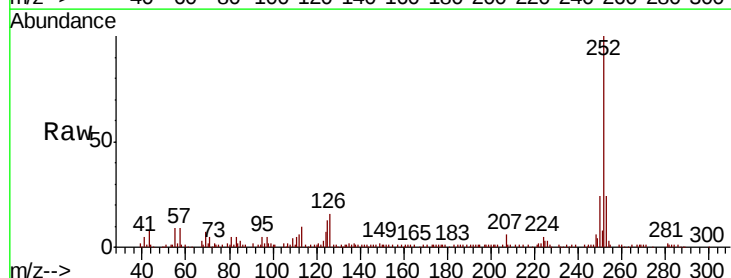
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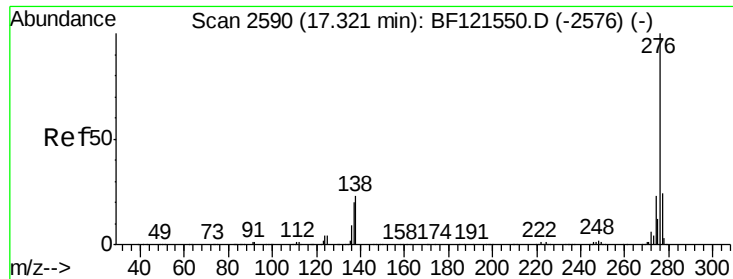
mohammad
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#90
Benzo(a)pyrene
Concen: 4.707 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.02 min
Lab File: BF121751.D
Acq: 30 Sep 2020 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	12.7	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.059 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.04 min
 Lab File: BF121751.D
 Acq: 30 Sep 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-0-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	21.5	16.7	25.1

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