

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\
 Data File : BF121611.D
 Acq On : 18 Sep 2020 11:54
 Operator : JU/CG
 Sample : L4038-03DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B36-091620-0-10DL

Manual Integrations
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Quant Time: Sep 18 12:24:11 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	6.82	152	165072	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	635929	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	323320	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	570355	20.00	ng	0.00
76) Chrysene-d12	13.98	240	367884	20.00	ng	-0.01
86) Perylene-d12	15.43	264	373980	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	488215	43.95	ng	0.00
7) Phenol-d6	6.46	99	627813	43.08	ng	0.00
23) Nitrobenzene-d5	7.38	82	408209	34.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	170673	42.47	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	756064	35.42	ng	-0.02
79) Terphenyl-d14	12.93	244	676407	37.25	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.12	128	175234	5.220	ng	97
37) 2-Methylnaphthalene	8.82	142	44037	2.002	ng	98
50) Dimethylphthalate	9.57	163	71991	3.072	ng	99
52) Acenaphthene	9.89	154	175626	8.872	ng	100
55) Dibenzofuran	10.06	168	181169	6.499	ng	99
58) Fluorene	10.40	166	211956	9.943	ng	98
71) Phenanthrene	11.37	178	1505841	48.458	ng	99
72) Anthracene	11.42	178	534069	16.654	ng	98
73) Carbazole	11.57	167	164192	5.674	ng	96
75) Fluoranthene	12.56	202	1628823	49.101	ng	98
78) Pyrene	12.79	202	1465854	54.536	ng	99
81) Benzo(a)anthracene	13.97	228	635524	27.306	ng	99
83) Chrysene	14.00	228	533387	22.632	ng	97
87) Indeno(1,2,3-cd)pyrene	16.87	276	386005m	15.849	ng	
88) Benzo(b)fluoranthene	15.02	252	649799m	25.991	ng	
89) Benzo(k)fluoranthene	15.04	252	248201m	10.841	ng	
90) Benzo(a)pyrene	15.37	252	544616	25.627	ng	97
91) Dibenzo(a,h)anthracene	16.88	278	86744m	4.279	ng	
92) Benzo(a,h,i)perylene	17.31	276	370870	18.610	ng	97

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

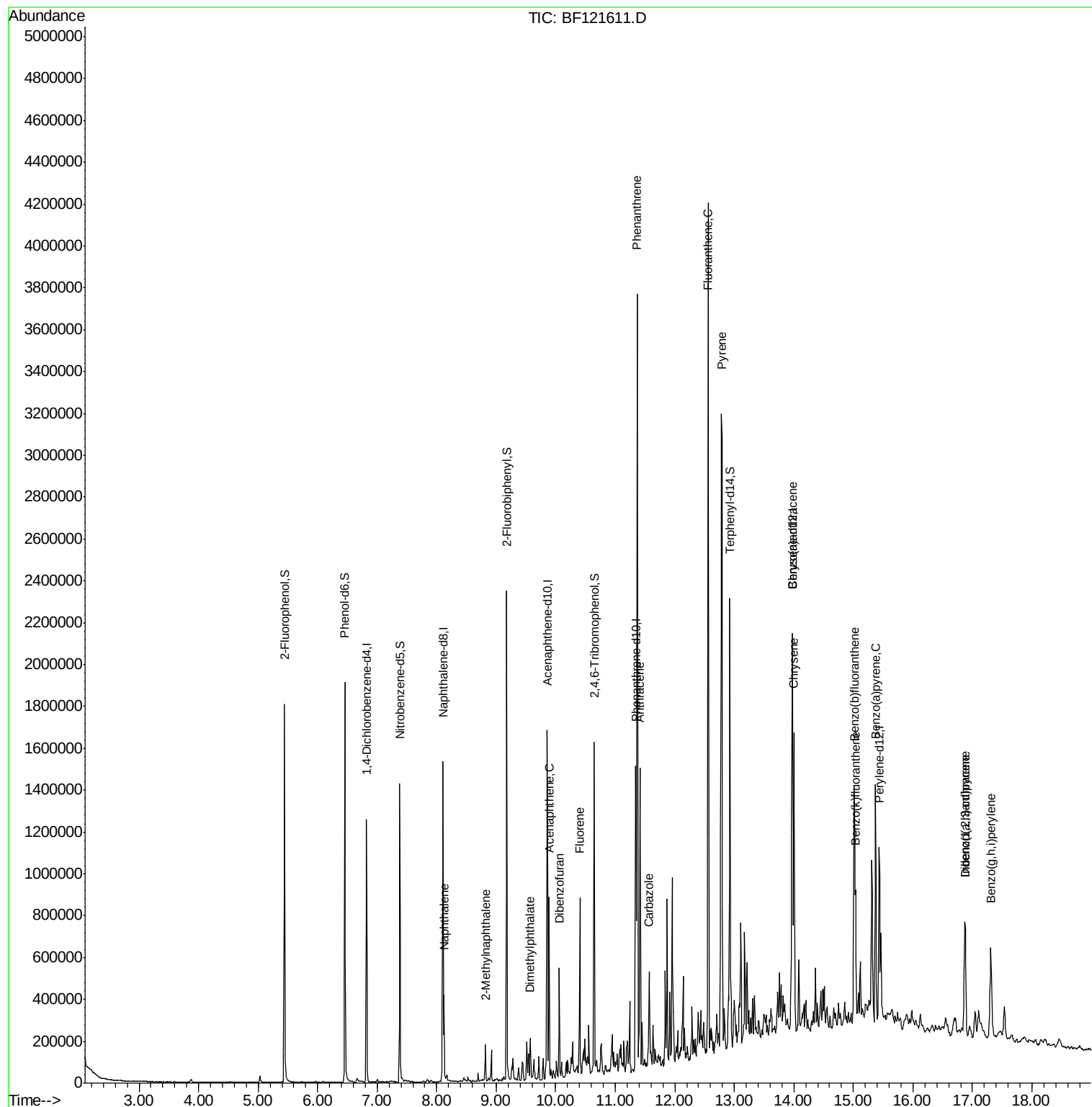
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\
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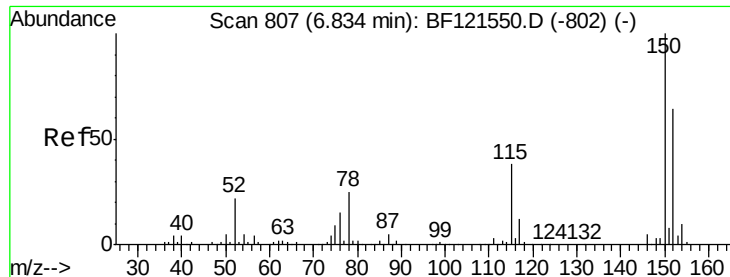
Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

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

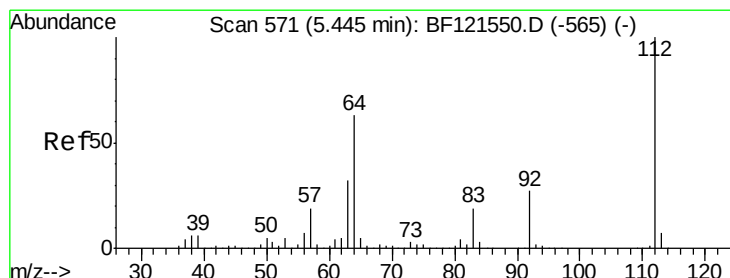
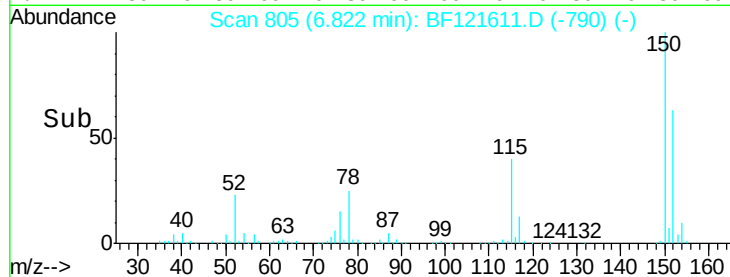
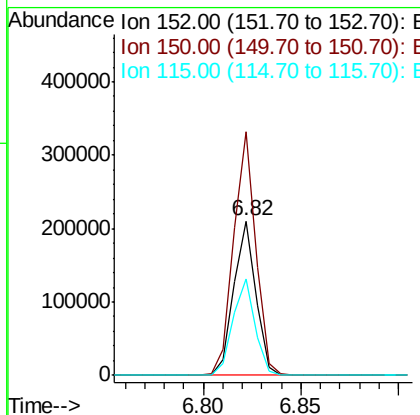
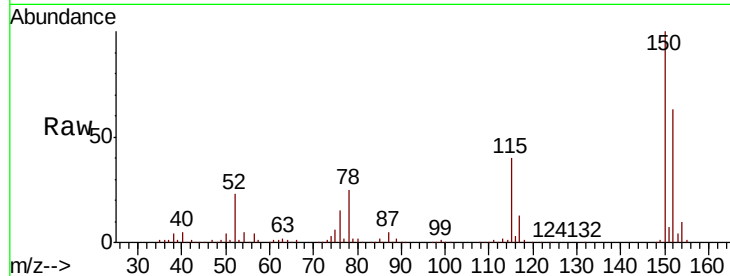
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.6
115	62.5	47.8	71.8

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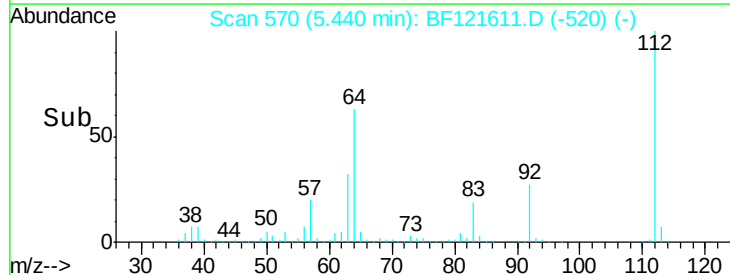
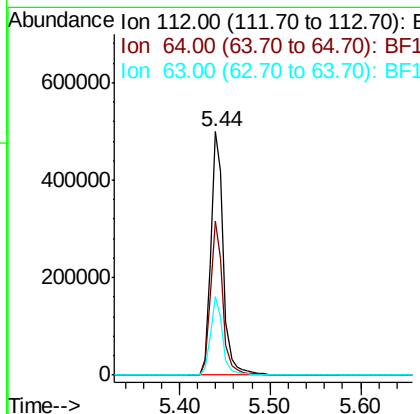
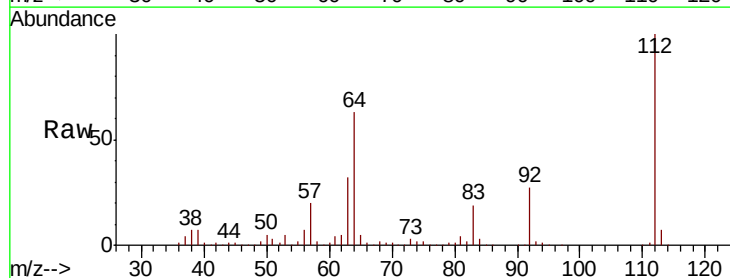
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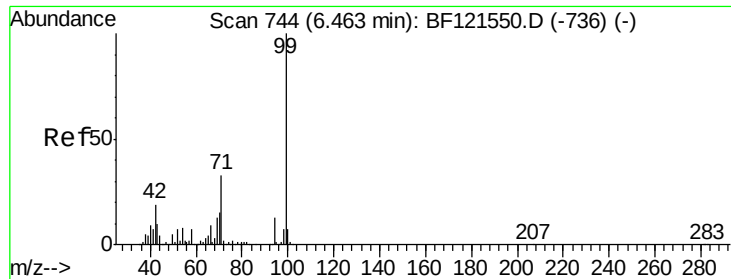


#5

2-Fluorophenol
Concen: 43.953 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	50.3	75.5
63	32.3	25.6	38.4





#7

Phenol-d6

Concen: 43.082 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Instrument :

BNA_F

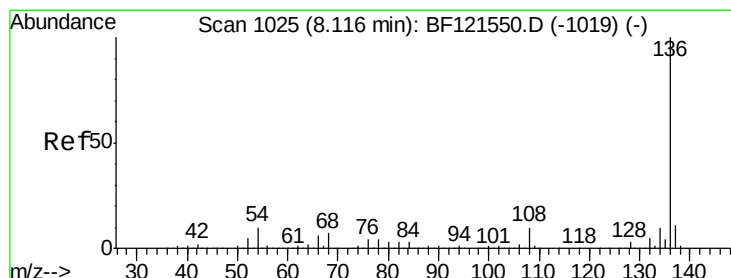
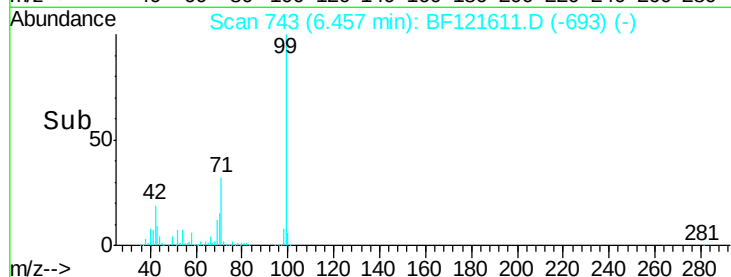
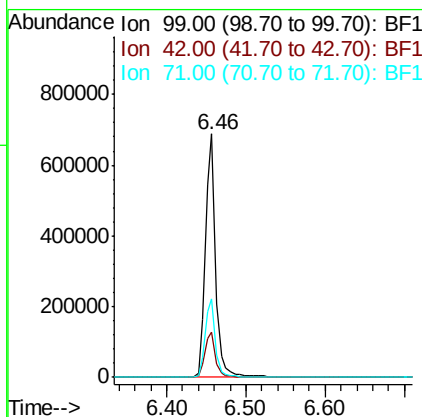
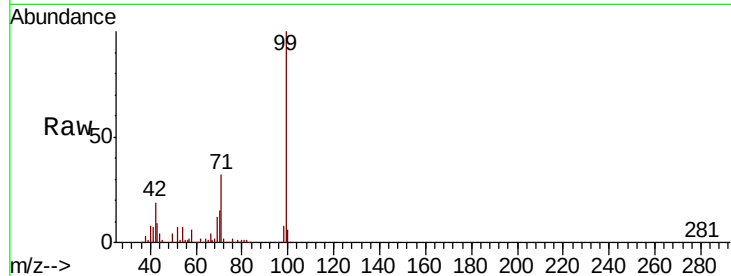
ClientSampleId :

PAV-B36-091620-0-10DL

Tot Ion:	99	Resp:	627813
Ion Ratio	Lower	Upper	
99	100		
42	18.7	15.5	23.3
71	32.5	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

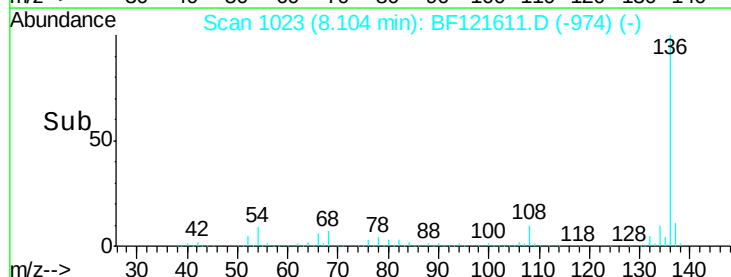
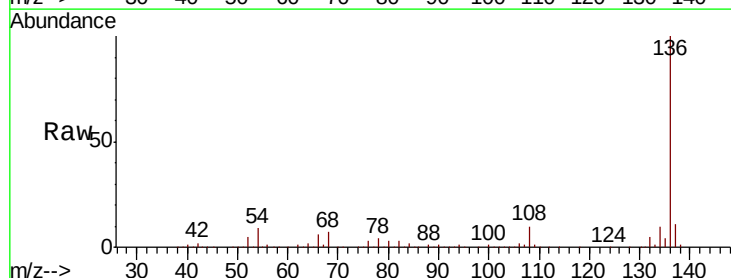
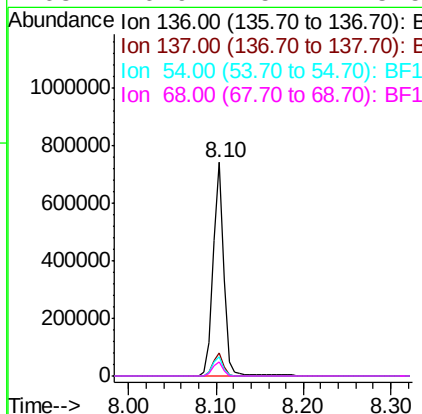
RT: 8.10 min Scan# 1023

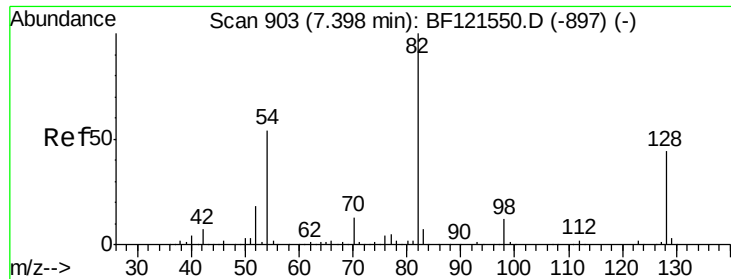
Delta R.T. -0.01 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Tgt Ion:	136	Resp:	635929
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	9.0	7.6	11.4
68	6.9	5.7	8.5





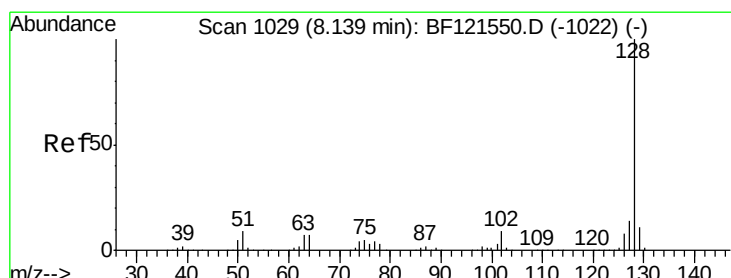
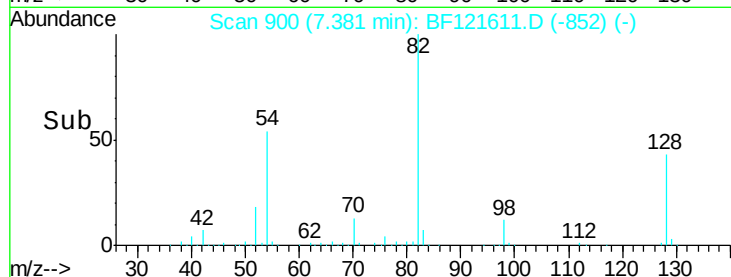
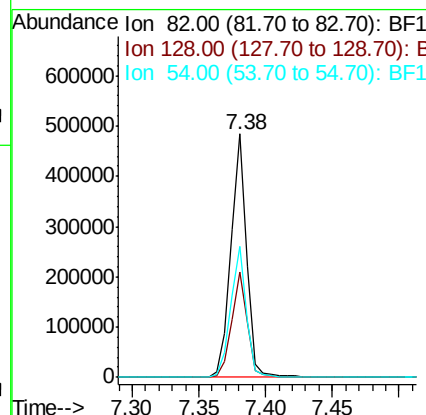
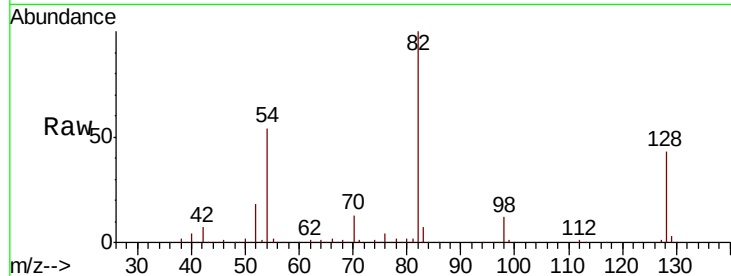
#23
Nitrobenzene-d5
Concen: 34.465 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	35.1	52.7	
54	54.0	43.0	64.6	

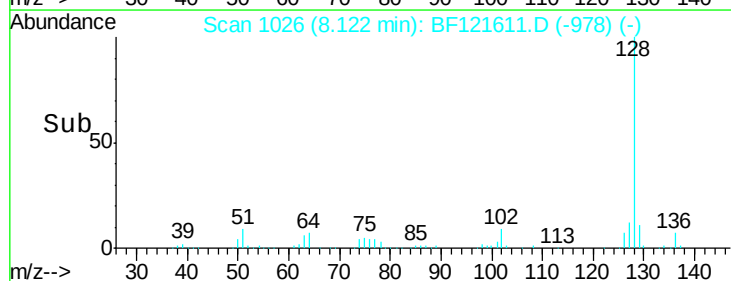
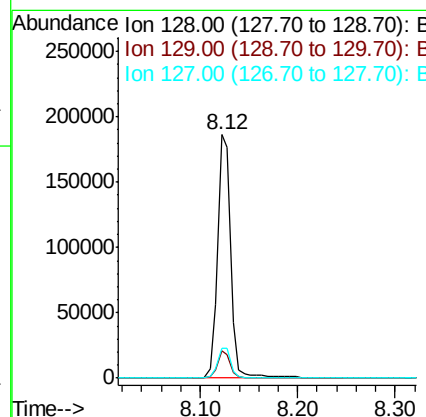
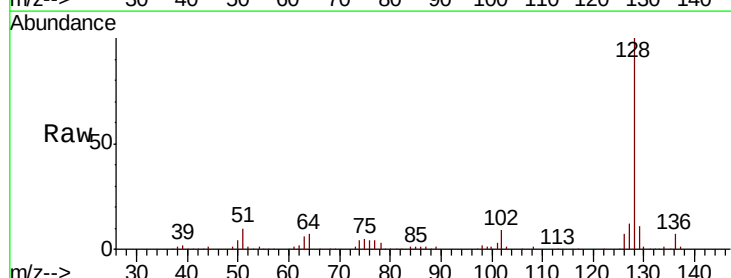
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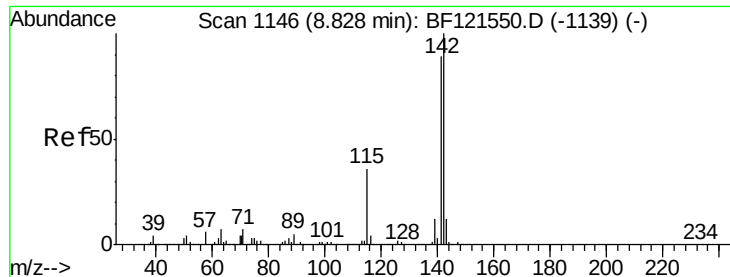
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#31
Naphthalene
Concen: 5.220 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	9.1	13.7	
127	12.2	11.0	16.6	





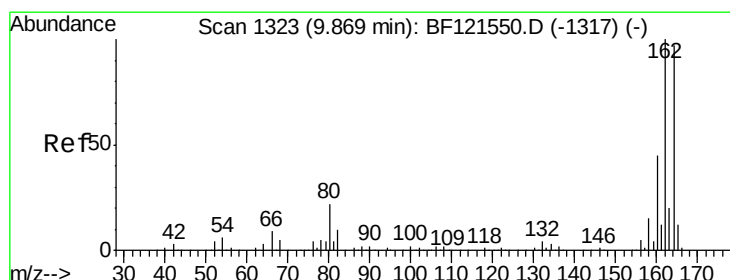
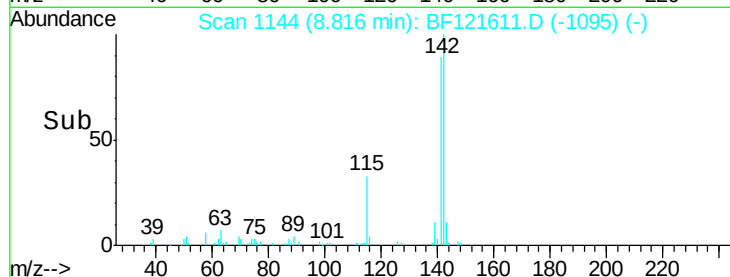
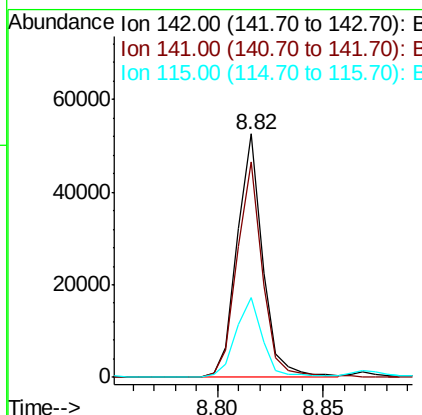
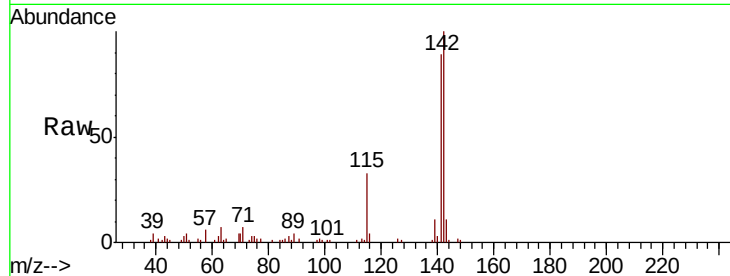
#37
2-Methylnaphthalene
Concen: 2.002 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.5	107.3
115	32.7	28.7	43.1

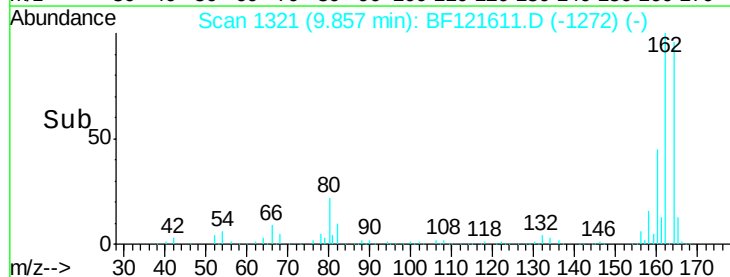
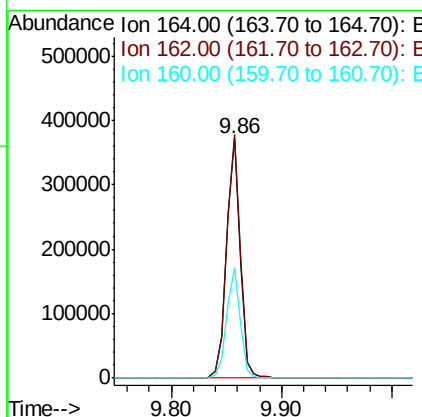
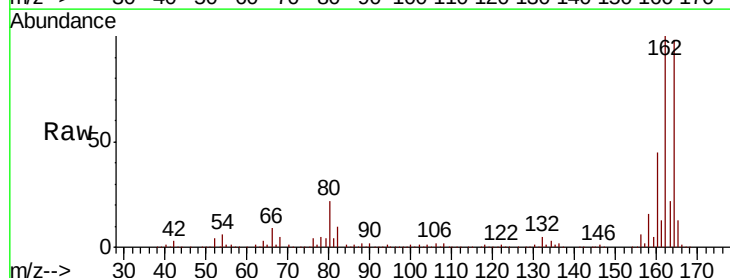
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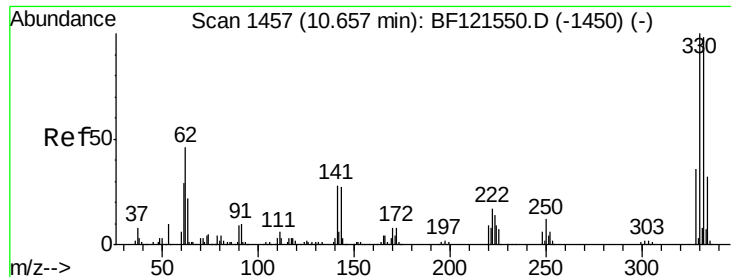
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.3	123.5
160	46.0	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 42.473 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Instrument :

BNA_F

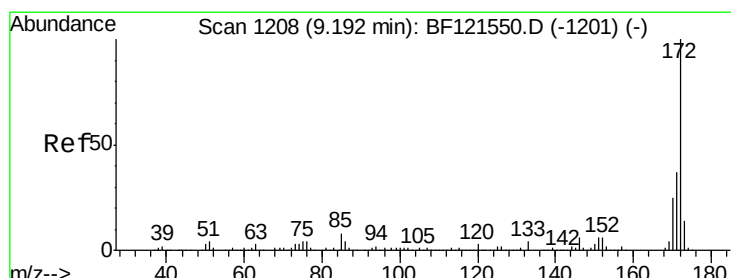
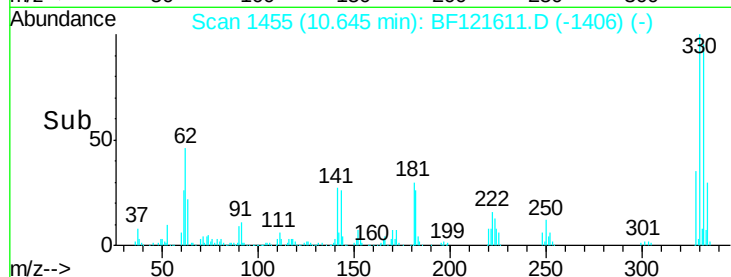
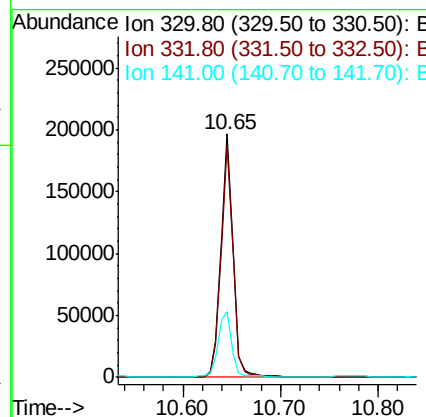
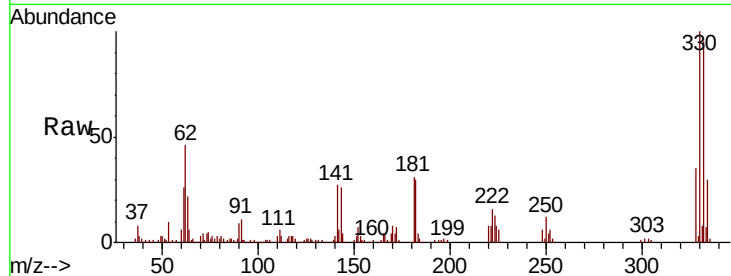
ClientSampleId :

PAV-B36-091620-0-10DL

Tot Ion:	330	Resp:	170673
Ion Ratio	Lower	Upper	
330	100		
332	95.0	77.1	115.7
141	31.7	23.6	35.4

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#45

2-Fluorobiphenyl

Concen: 35.416 ng

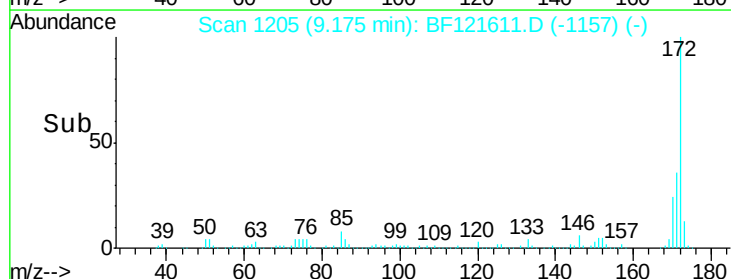
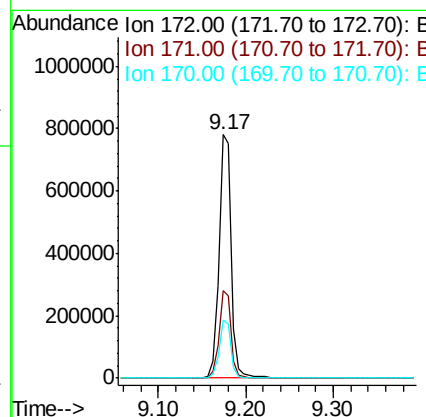
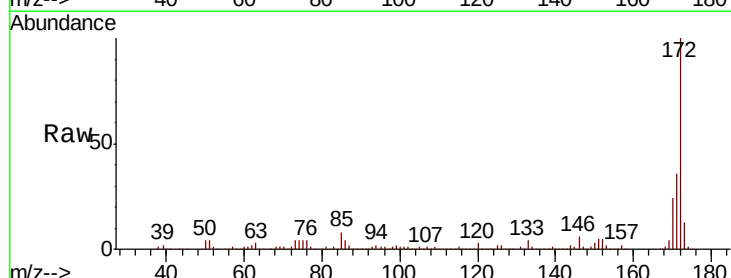
RT: 9.17 min Scan# 1205

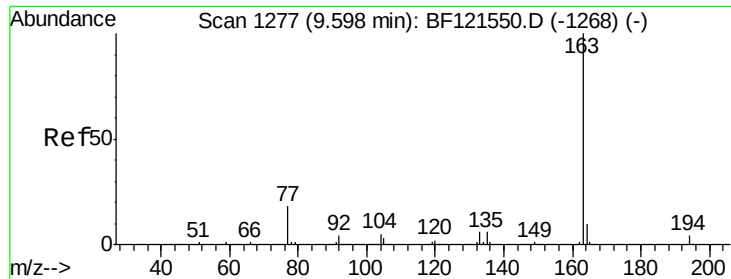
Delta R.T. -0.02 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Tgt Ion:	172	Resp:	756064
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.8	44.6
170	23.8	19.8	29.8





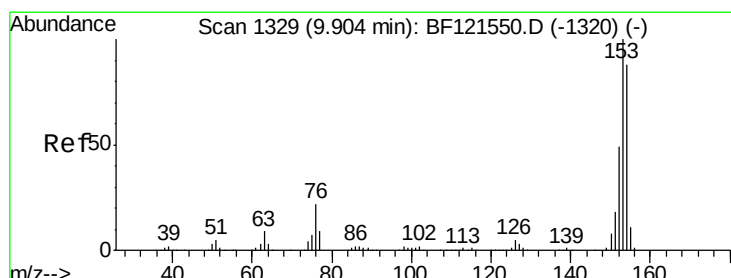
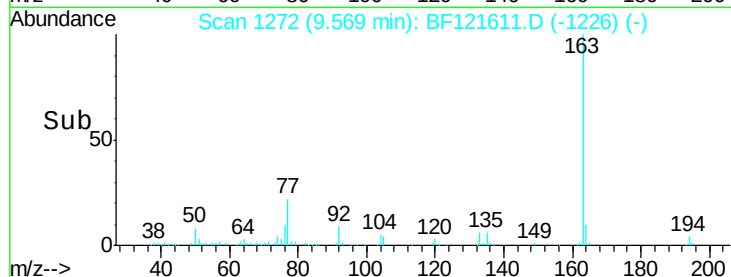
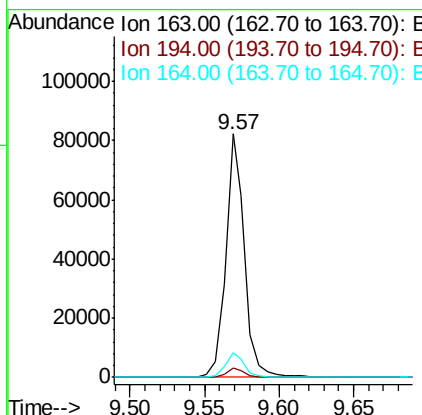
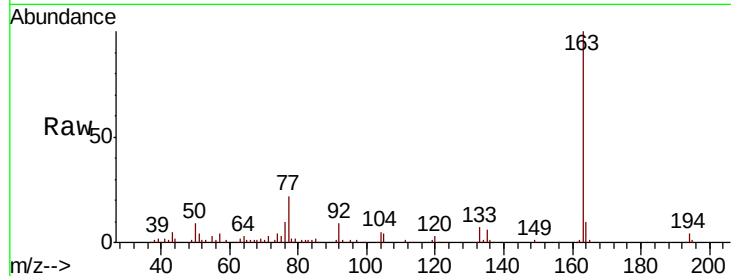
#50
Dimethylphthalate
Concen: 3.072 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.03 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.0	7.9	11.9

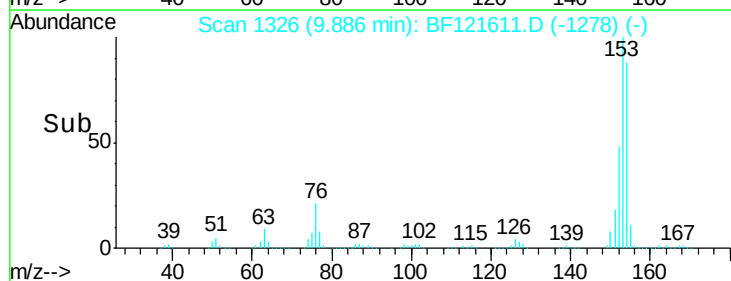
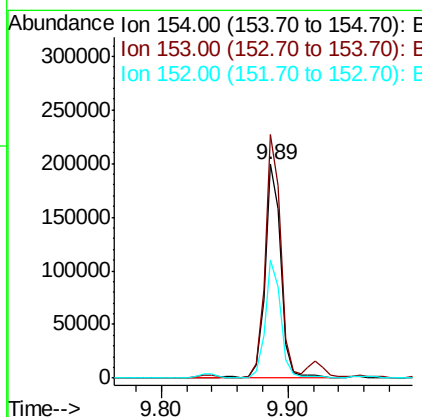
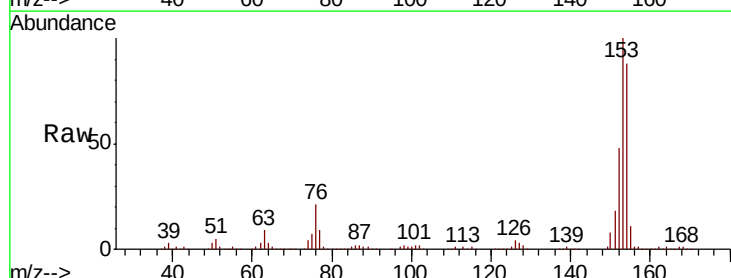
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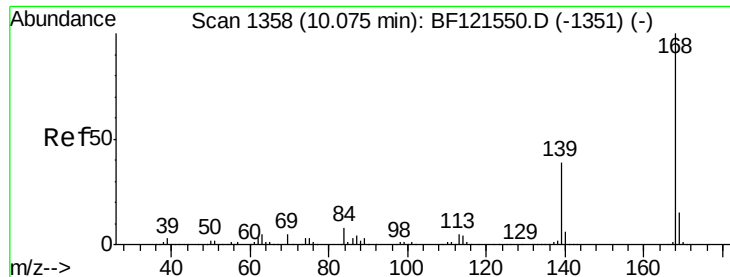
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#52
Acenaphthene
Concen: 8.872 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.0	136.4
152	55.0	44.2	66.2





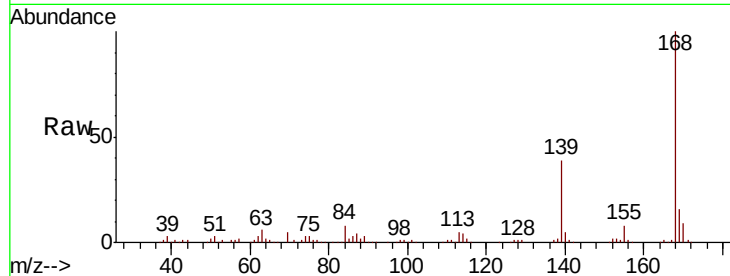
#55
Dibenzenofuran
Concen: 6.499 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.4	47.0
169	15.8	11.9	17.9

Manual Integrations
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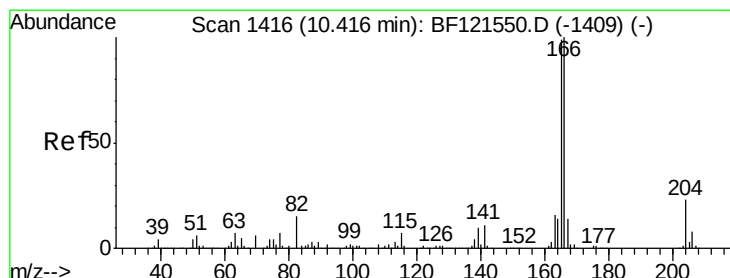
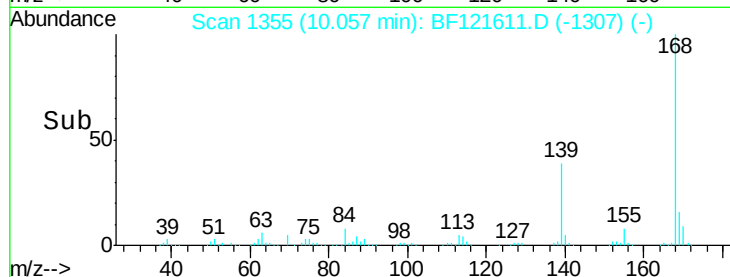
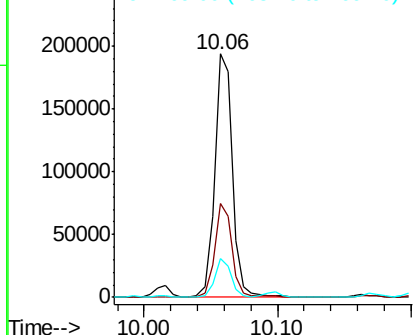


Abundance

Ion 168.00 (167.70 to 168.70): E

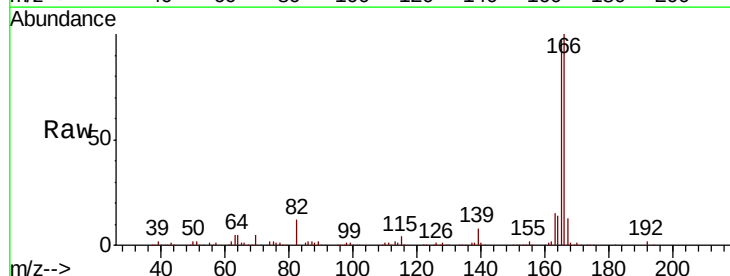
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 9.943 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.0	118.4
167	13.5	11.0	16.6

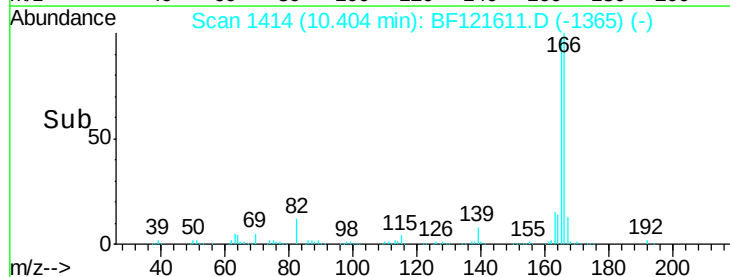
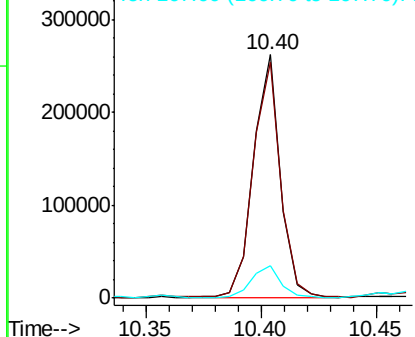


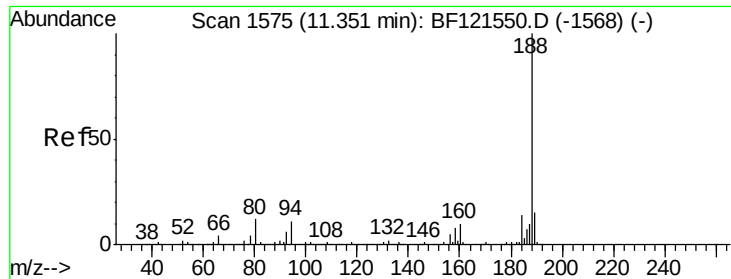
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





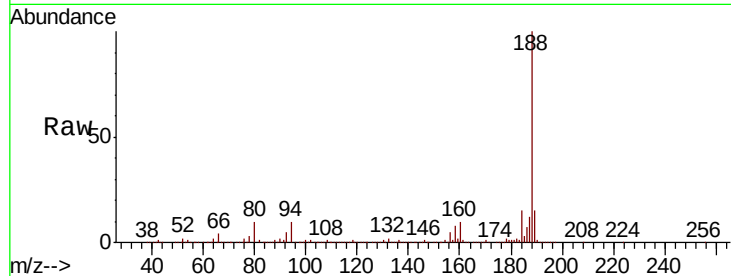
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	570355		
94	9.9		8.7	13.1
80	10.3		9.3	13.9

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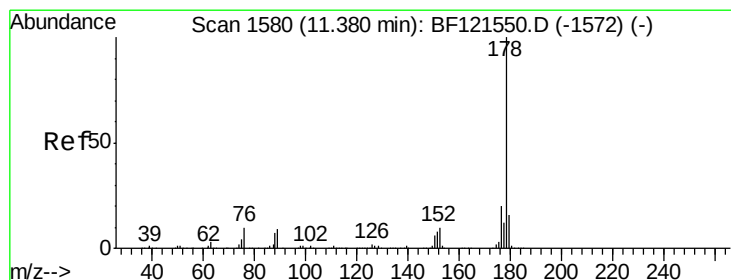
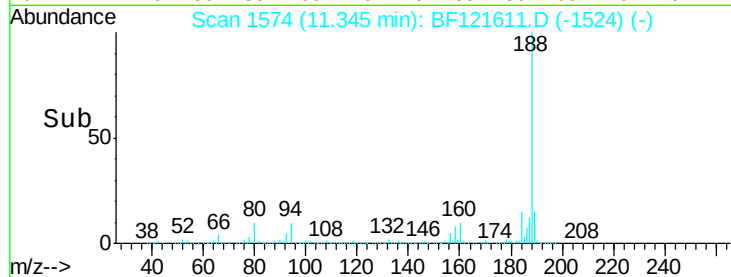
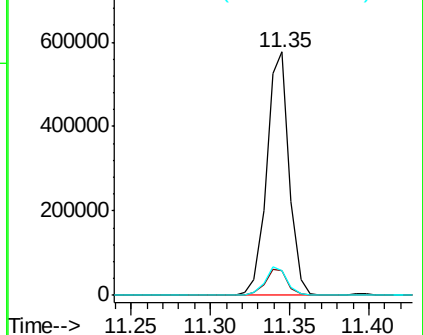


Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 48.458 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

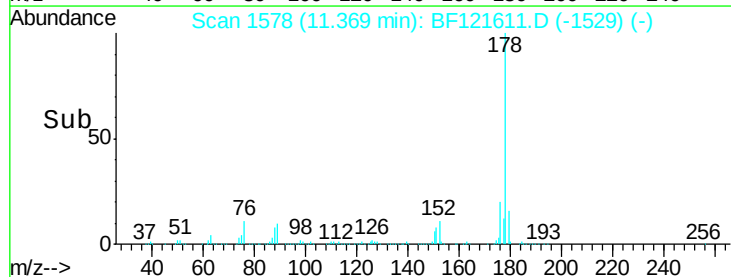
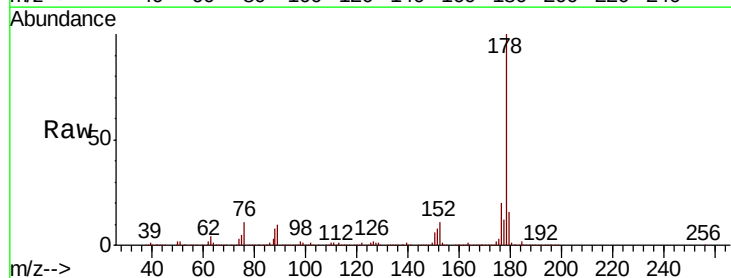
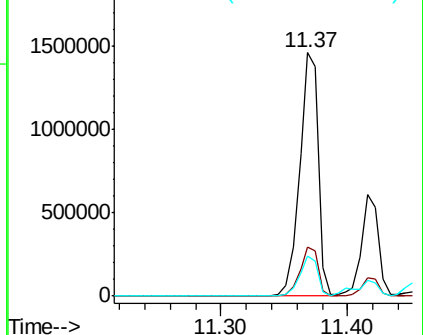
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1505841		
176	20.4		16.2	24.4
179	16.3		12.6	19.0

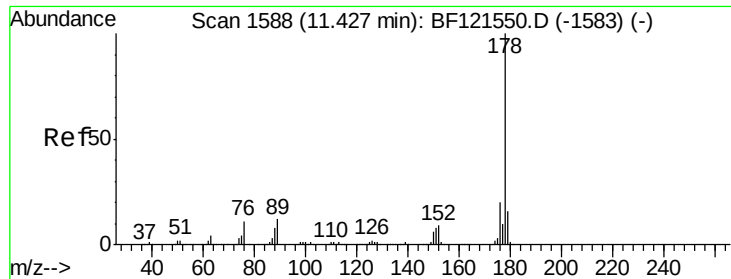
Abundance

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





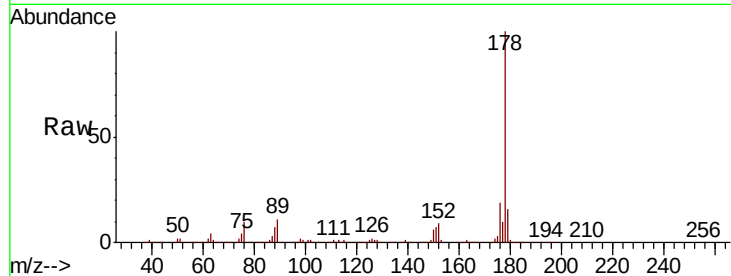
#72
 Anthracene
 Concen: 16.654 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF121611.D
 Acq: 18 Sep 2020 11:54

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.6	12.8	19.2

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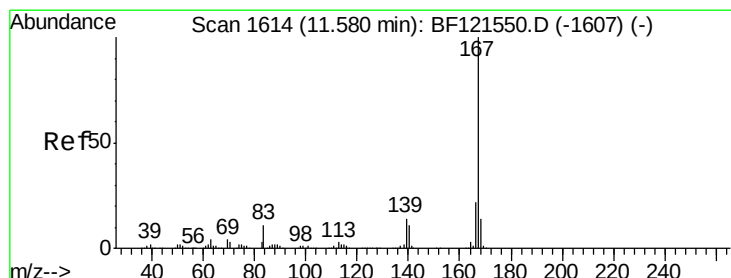
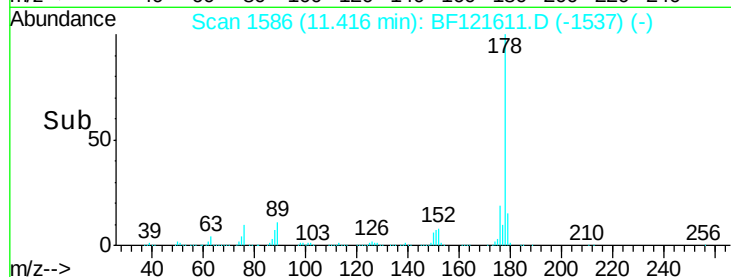
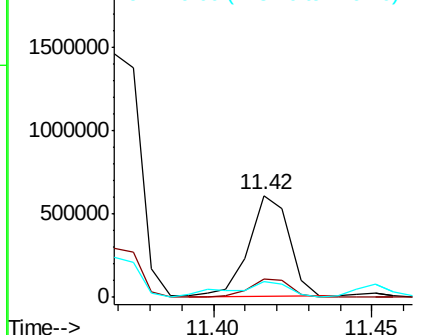


Abundance

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



#73
 Carbazole
 Concen: 5.674 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF121611.D
 Acq: 18 Sep 2020 11:54

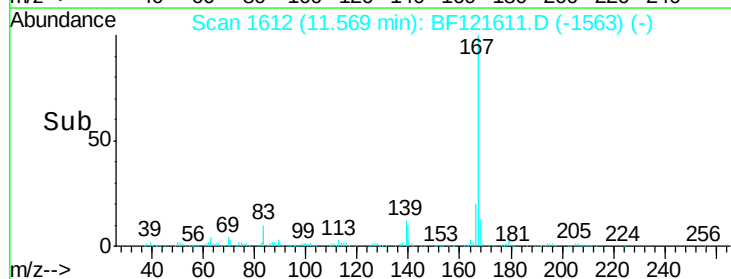
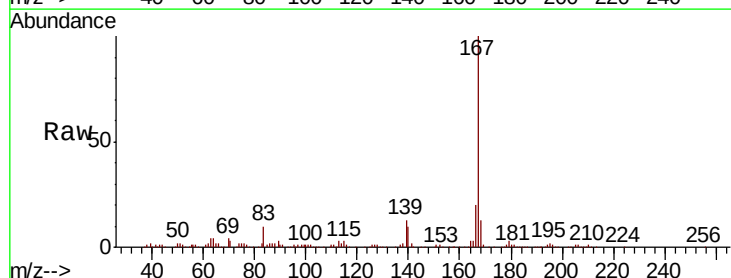
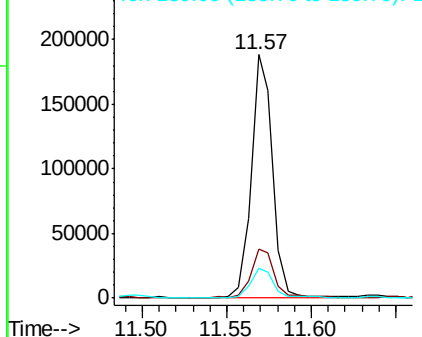
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.9	26.9
139	12.5	11.2	16.8

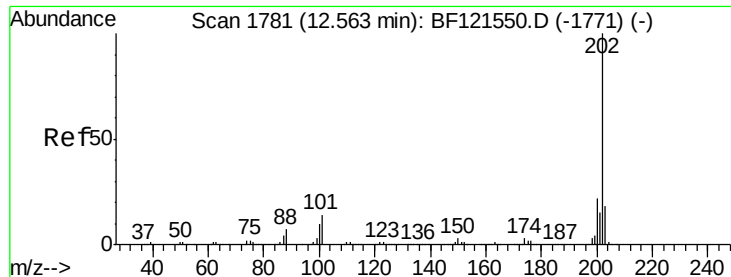
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 49.101 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Instrument :

BNA_F

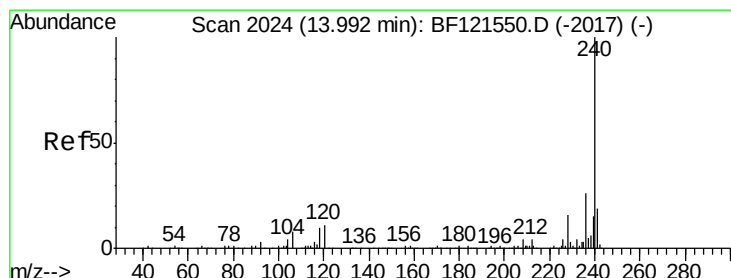
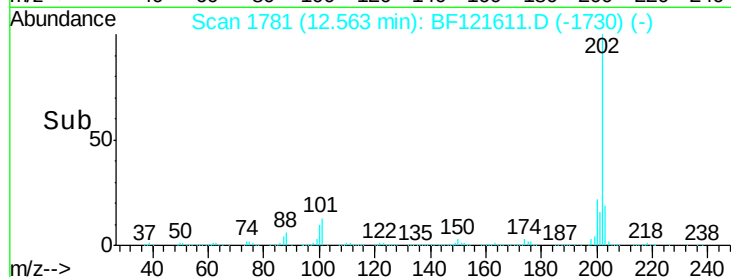
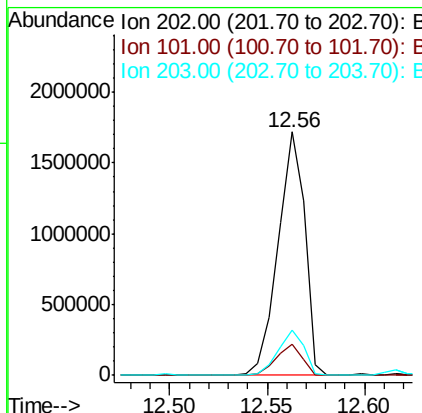
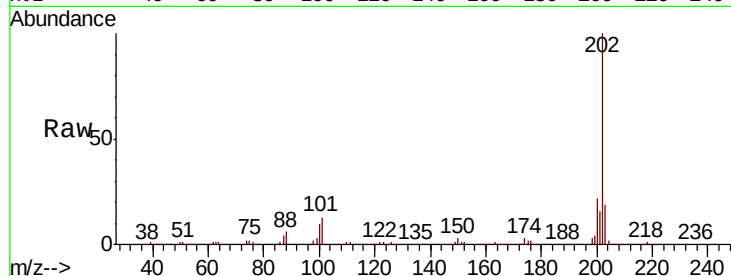
ClientSampleId :

PAV-B36-091620-0-10DL

Tot Ion:	202	Resp:	1628823
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.0
203	18.6	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

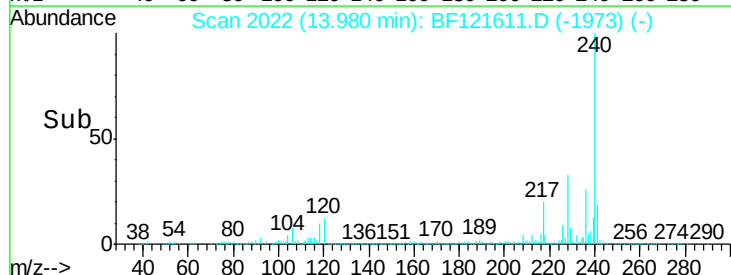
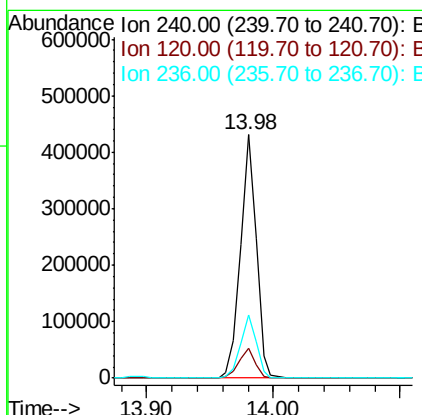
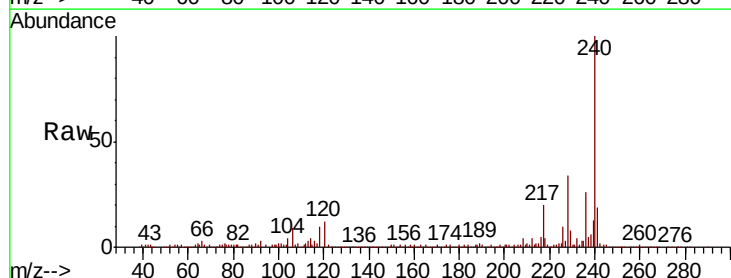
RT: 13.98 min Scan# 2022

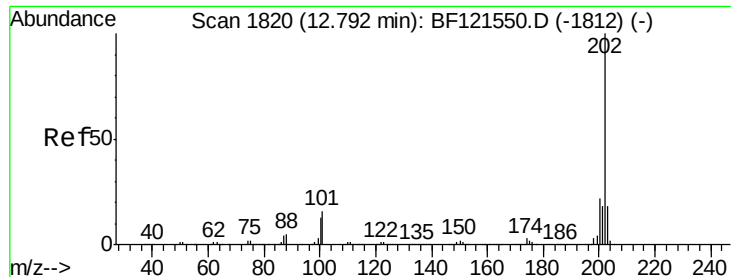
Delta R.T. -0.01 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Tgt Ion:	240	Resp:	367884
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.2	13.8
236	25.8	20.5	30.7





#78

Pvrene

Concen: 54.536 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Instrument :

BNA_F

ClientSampleId :

PAV-B36-091620-0-10DL

Tot Ion:202 Resp: 1465854

Ion Ratio Lower Upper

202 100

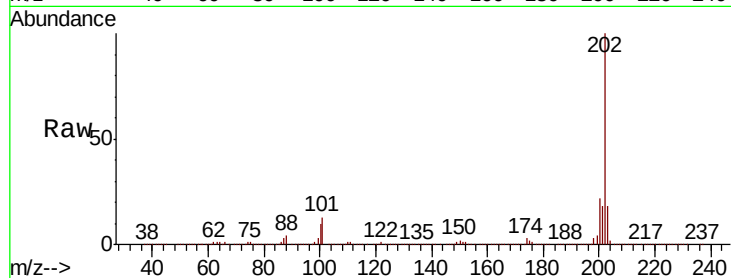
200 21.8 17.8 26.8

203 18.1 14.6 22.0

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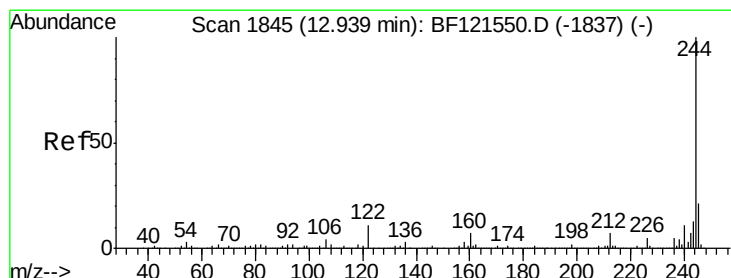
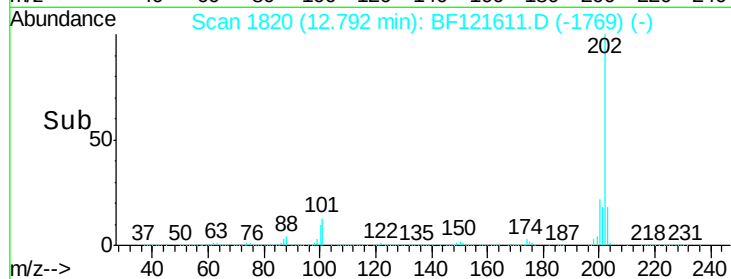
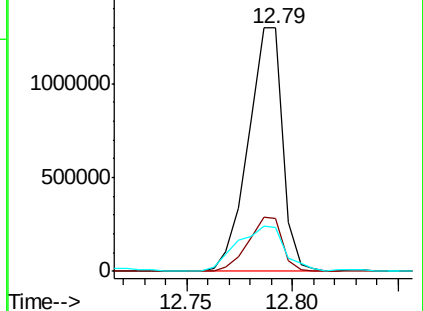
9/21/2020 10:34:05 AM



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: 37.249 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

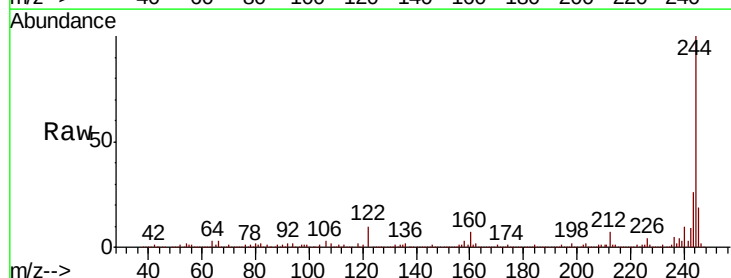
Tgt Ion:244 Resp: 676407

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

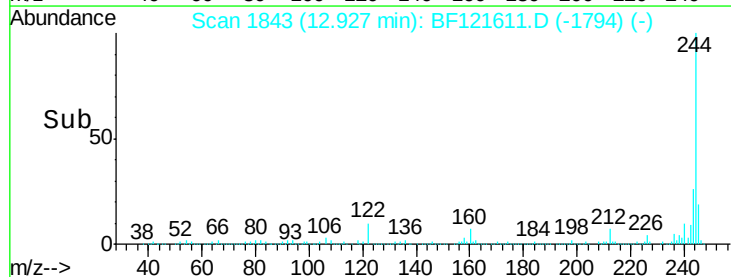
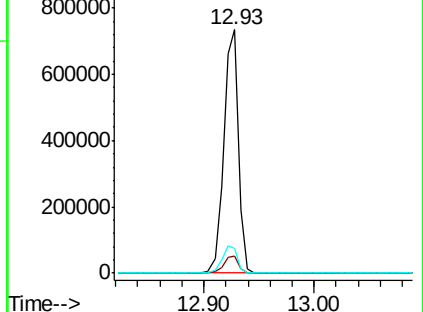
122 10.1 8.7 13.1

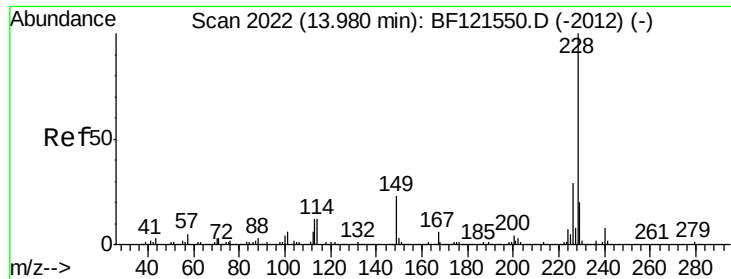


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





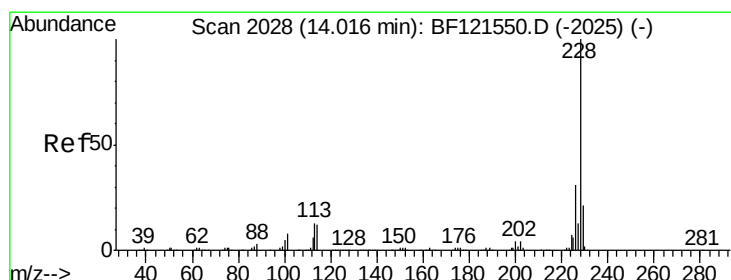
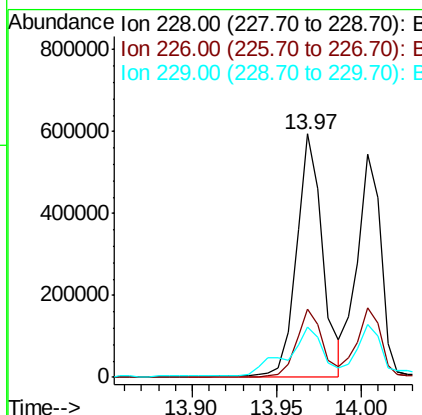
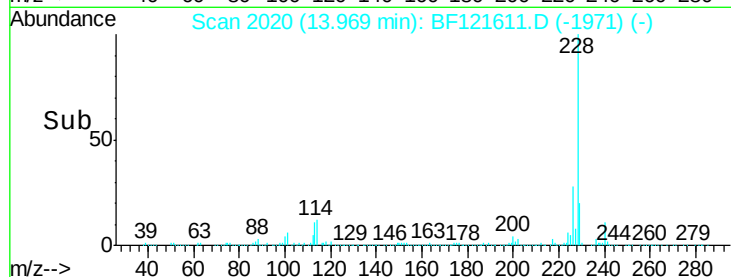
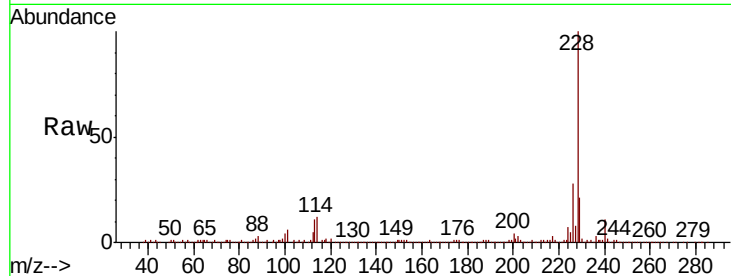
#81
Benzo(a)anthracene
Concen: 27.306 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.9	34.3
229	20.8	16.3	24.5

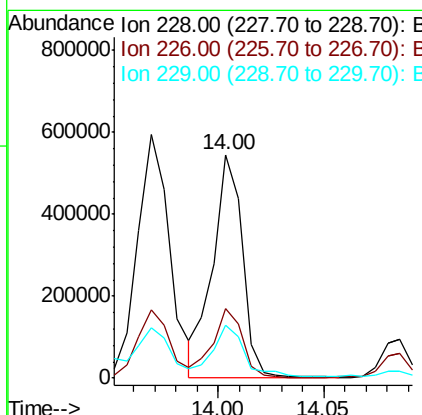
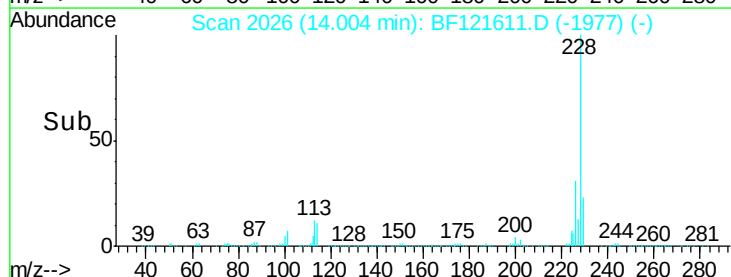
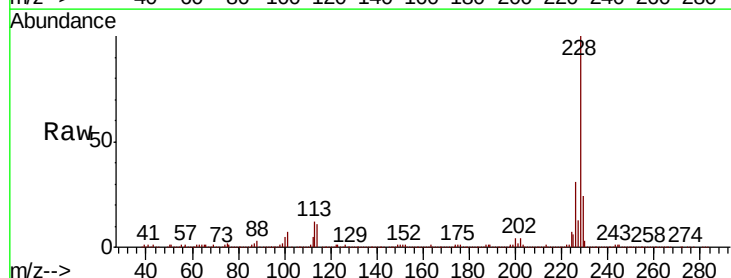
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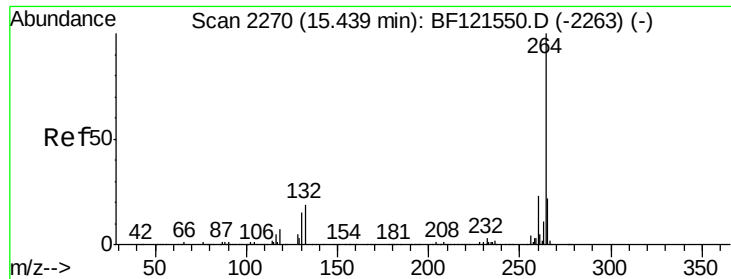
mohammad
9/21/2020 10:34:05 AM



#83
Chrysene
Concen: 22.632 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.1	37.7
229	23.5	16.6	25.0





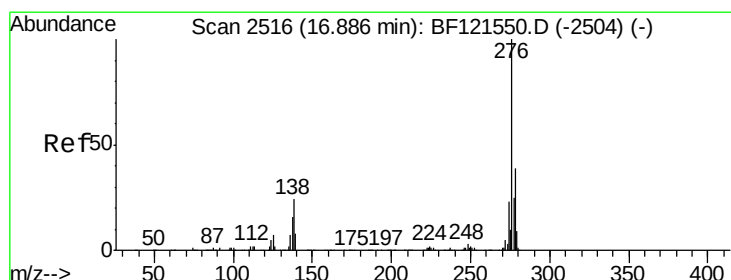
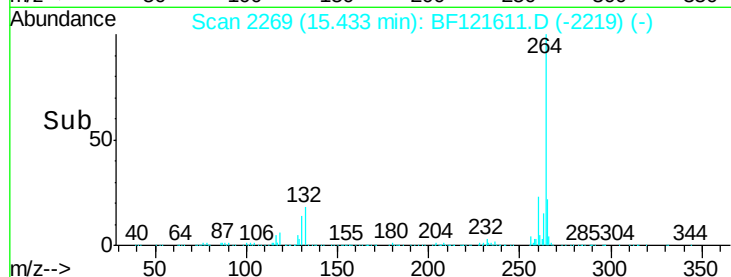
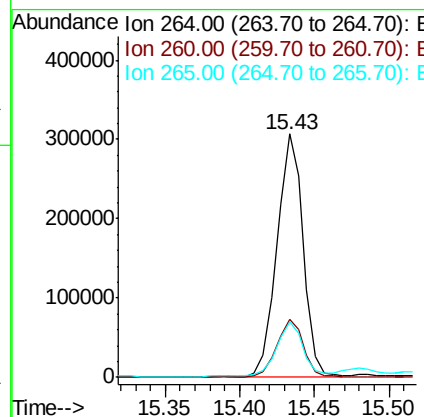
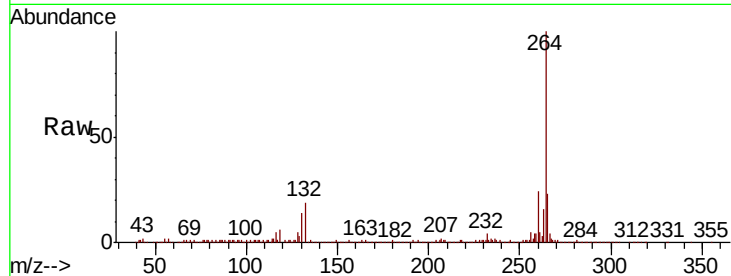
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.6	17.8	26.6

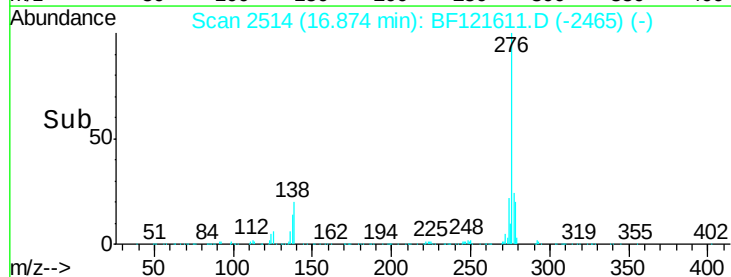
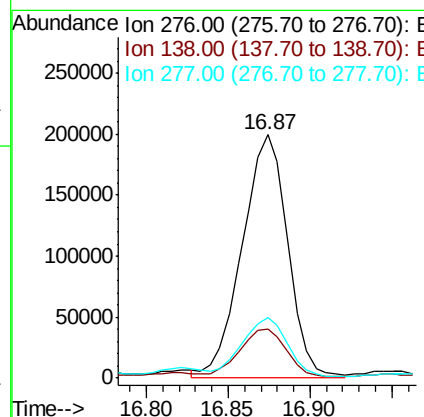
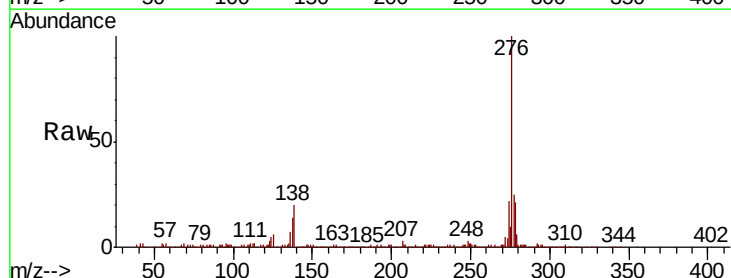
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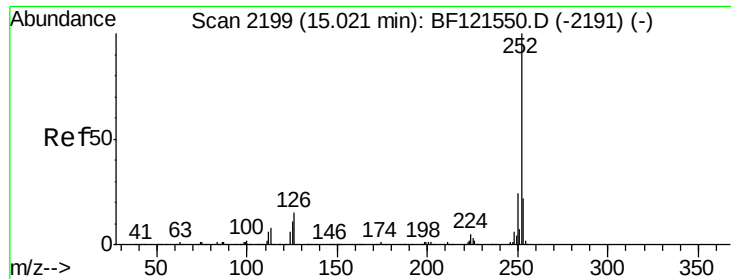
mohammad
9/21/2020 10:34:05 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.849 ng m
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.2	20.6	31.0#
277	4.4	20.2	30.4#





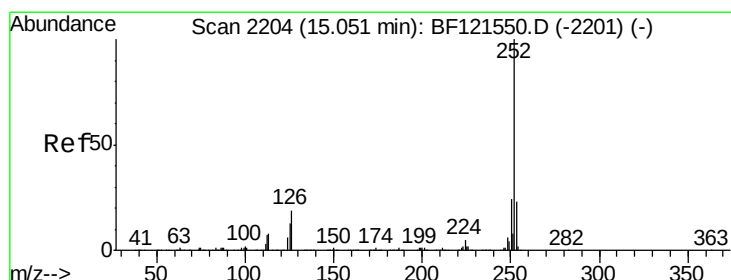
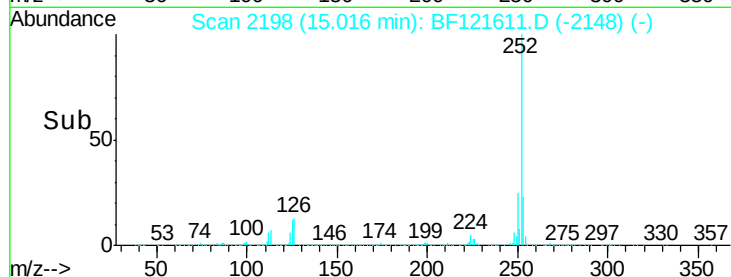
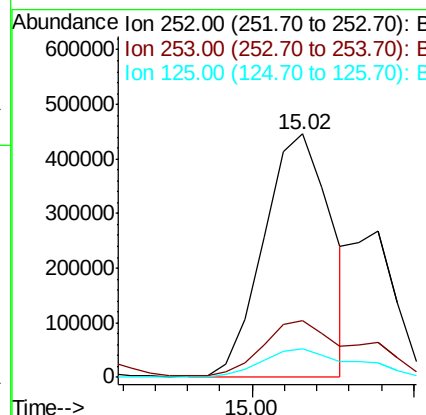
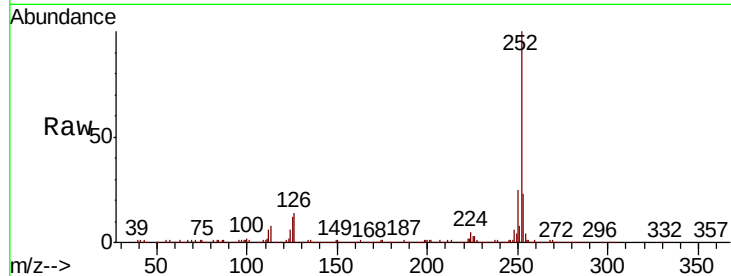
#88
Benzo(b)fluoranthene
Concen: 25.991 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.8	9.2	13.8

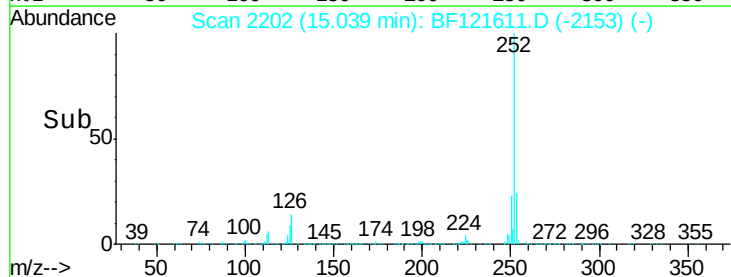
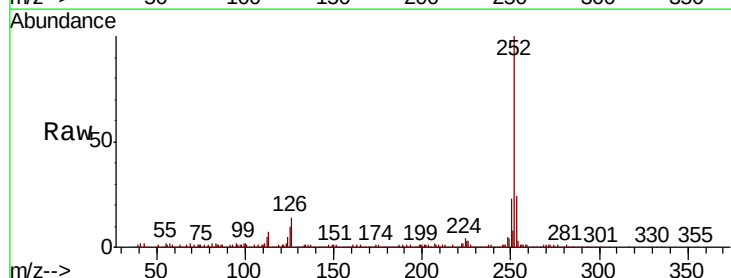
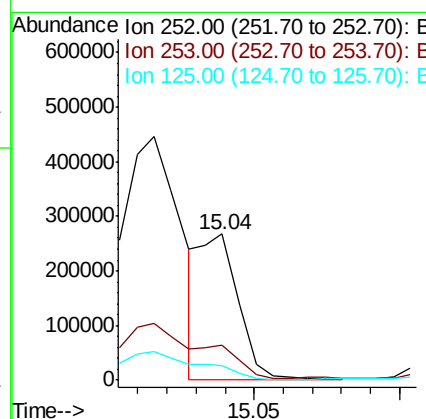
Manual Integrations
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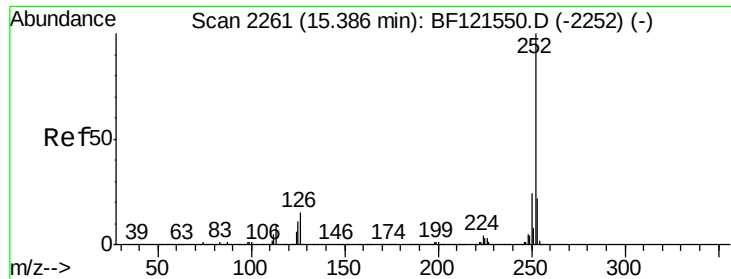
mohammad
9/21/2020 10:34:05 AM



#89
Benzo(k)fluoranthene
Concen: 10.841 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	10.0	9.8	14.6





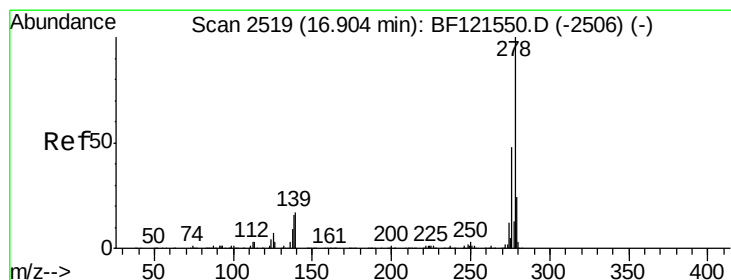
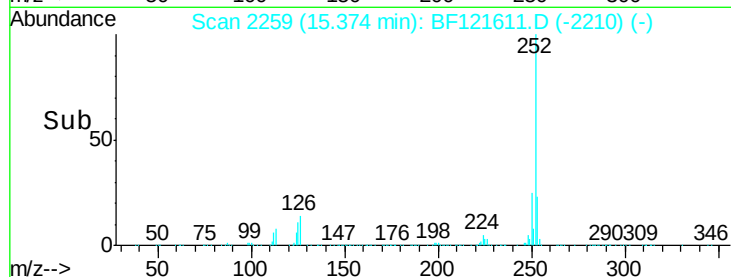
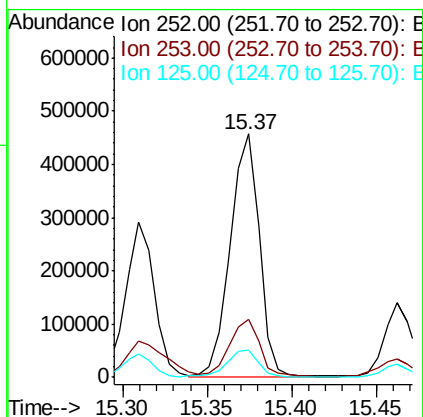
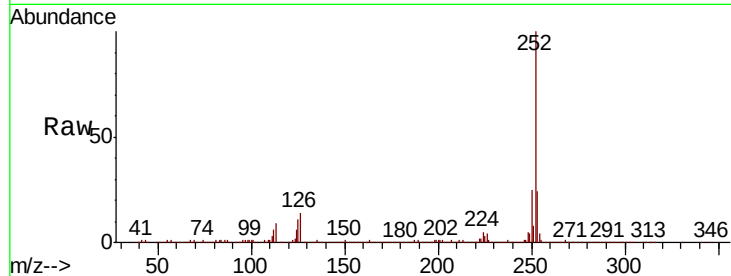
#90
Benzo(a)pyrene
Concen: 25.627 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.3	9.0	13.4

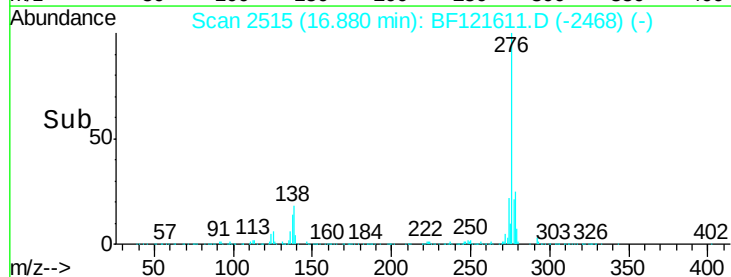
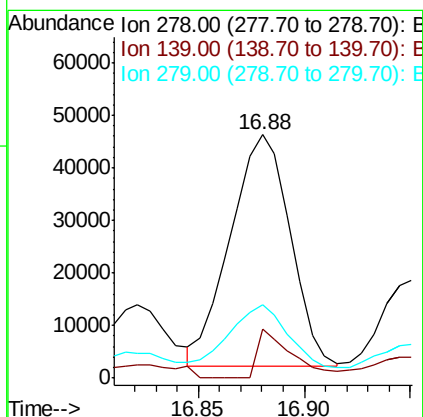
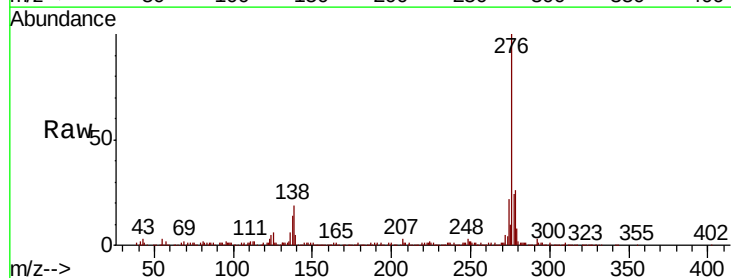
Manual Integrations
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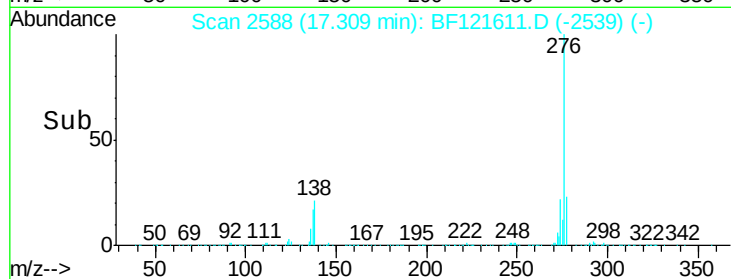
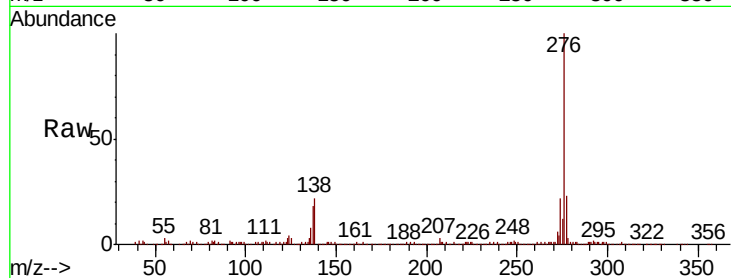
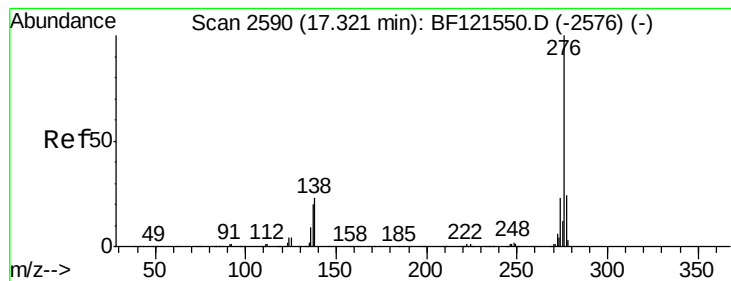
mohammad
9/21/2020 10:34:05 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.279 ng m
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF121611.D
Acq: 18 Sep 2020 11:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	13.9	20.9
279	30.4	19.2	28.8#





#92

Benzo(a,h,i)perylene

Concen: 18.610 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.01 min

Lab File: BF121611.D

Acq: 18 Sep 2020 11:54

Tot Ion:	276	Resp:	370870
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.4	29.0
138	21.6	18.7	28.1

Instrument :

BNA_F

ClientSampleId :

PAV-B36-091620-0-10DL

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