

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
 Data File : BF121637.D
 Acq On : 21 Sep 2020 20:40
 Operator : JU/CG
 Sample : L4091-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOPSOIL-2020

Manual Integrations
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mohammad
 9/22/2020 10:09:08 AM

Quant Time: Sep 22 01:56:43 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 21 14:19:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	140387	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	553384	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	286613	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	515574	20.00	ng	0.00
76) Chrysene-d12	13.99	240	350304	20.00	ng	0.00
86) Perylene-d12	15.46	264	345027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	805376	85.26	ng	0.00
7) Phenol-d6	6.45	99	1036831	83.66	ng	-0.01
23) Nitrobenzene-d5	7.38	82	701515	68.06	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	291696	81.89	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	1250490	66.08	ng	0.00
79) Terphenyl-d14	12.94	244	1131114	65.42	ng	0.00
Target Compounds						
32) Benzoic acid	7.83	122	12893	8.532	ng	95
50) Dimethylphthalate	9.57	163	121592	5.853	ng	99
71) Phenanthrene	11.37	178	131037	4.665	ng	98
75) Fluoranthene	12.56	202	282202	9.411	ng	98
78) Pyrene	12.79	202	252654	9.872	ng	98
81) Benzo(a)anthracene	13.98	228	129909	5.862	ng	97
83) Chrysene	14.02	228	134958	6.014	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	99685	4.437	ng	96
88) Benzo(b)fluoranthene	15.03	252	192323m	8.338	ng	
89) Benzo(k)fluoranthene	15.05	252	53790m	2.547	ng	
90) Benzo(a)pyrene	15.39	252	129201	6.590	ng	97
92) Benzo(a,h,i)perylene	17.34	276	96910	5.271	ng	100

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

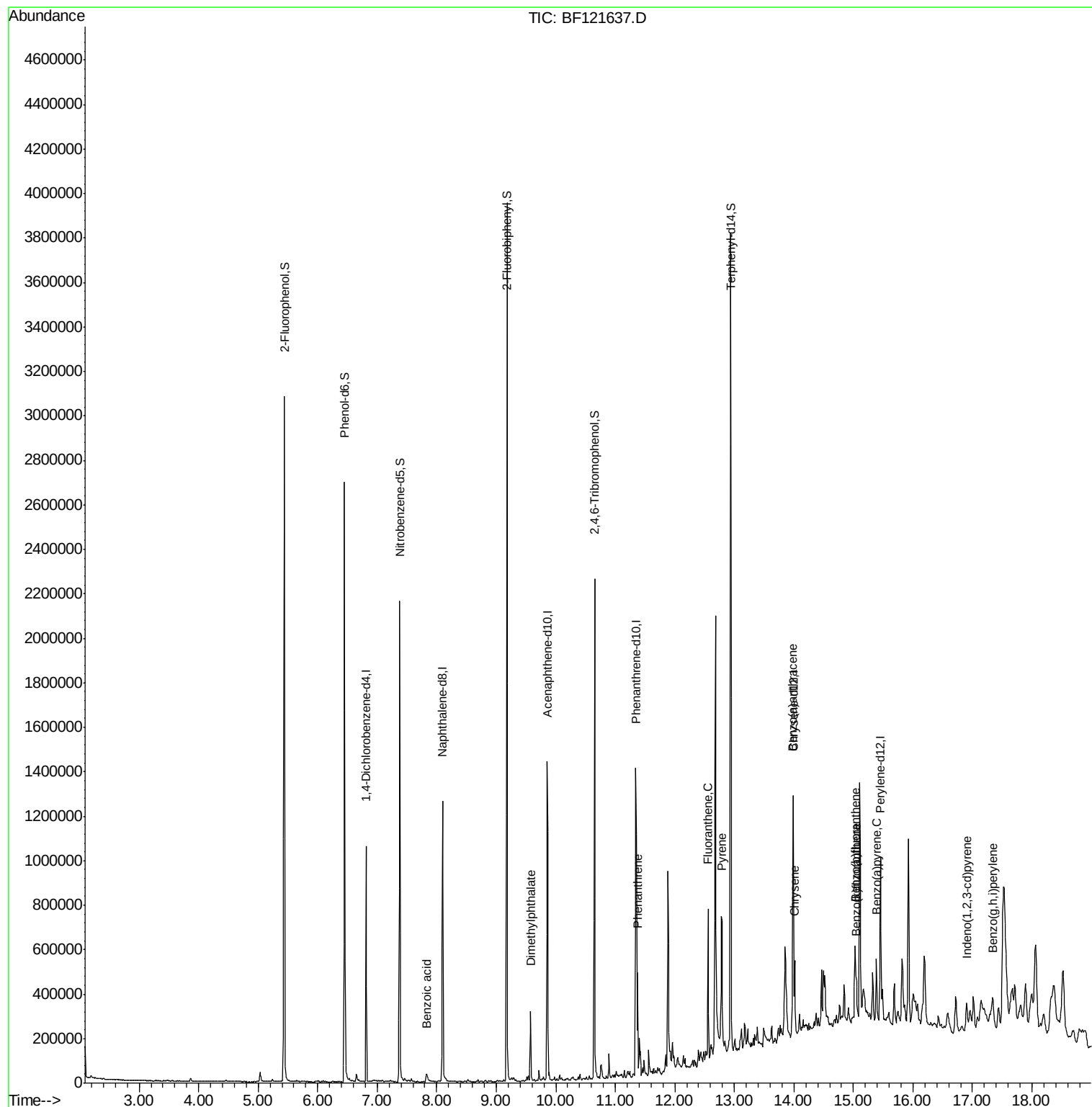
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121637.D
Acq On : 21 Sep 2020 20:40
Operator : JU/CG
Sample : L4091-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

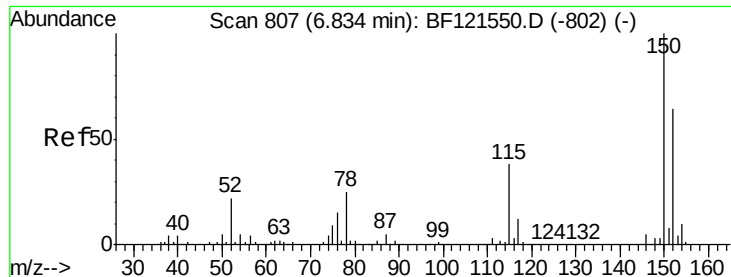
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOPSOIL-2020

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Quant Time: Sep 22 01:56:43 2020
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

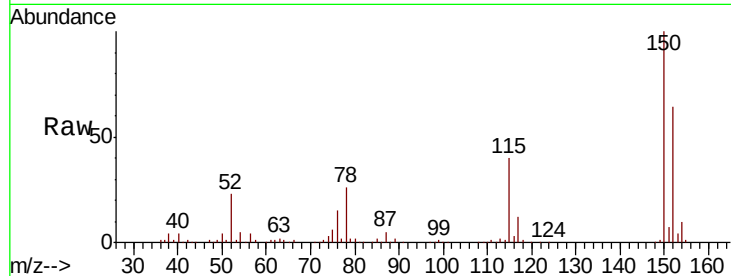
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOPSOIL-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	128.1	192.1
115	62.0	52.6	79.0

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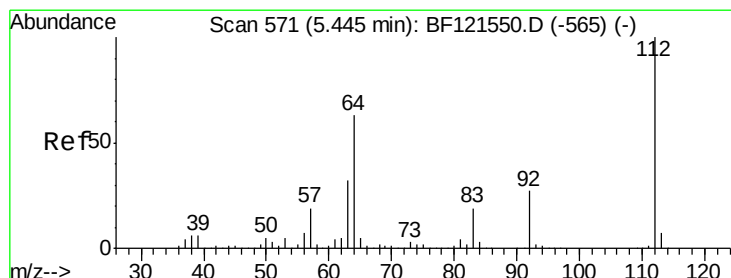
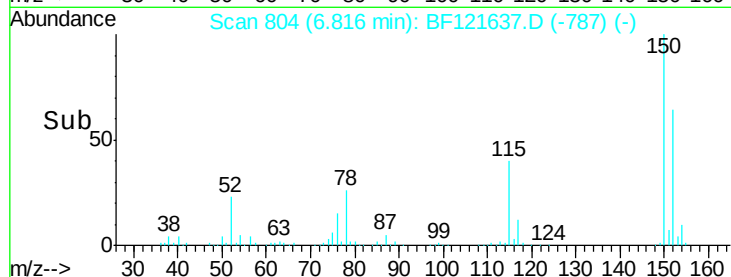
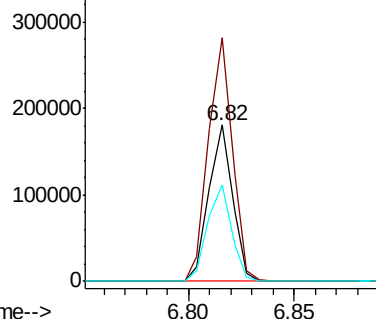


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

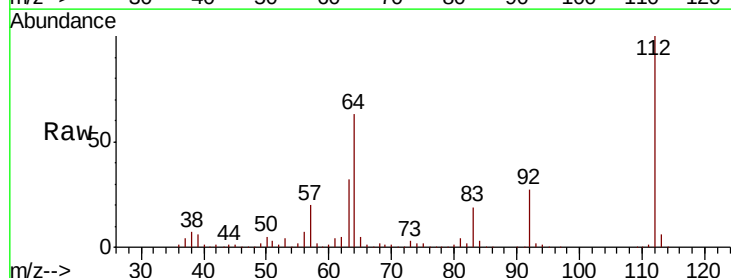
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.256 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	52.2	78.2
63	32.1	26.6	39.8

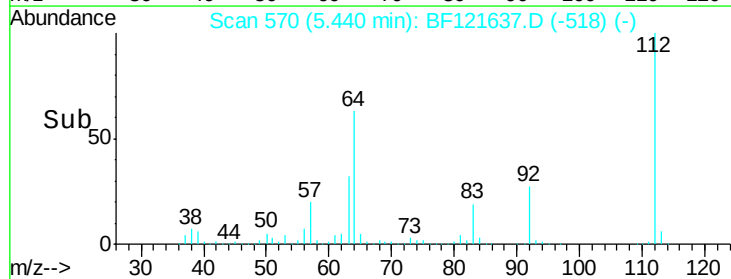
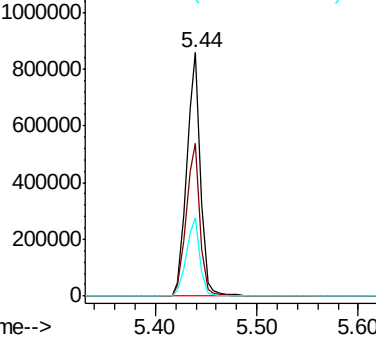


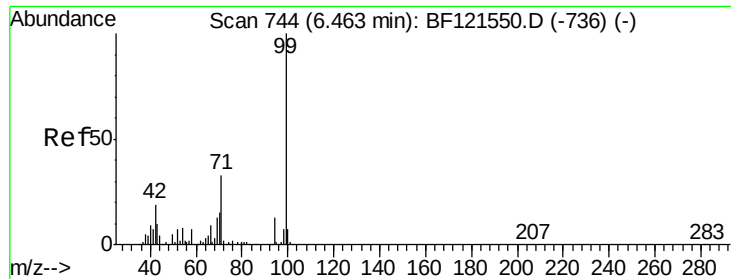
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 83.661 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF121637.D

Acq: 21 Sep 2020 20:40

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-TOPSOIL-2020

Tot Ion: 99 Resp: 1036831

Ion Ratio Lower Upper

99 100

42 20.2 15.5 23.3

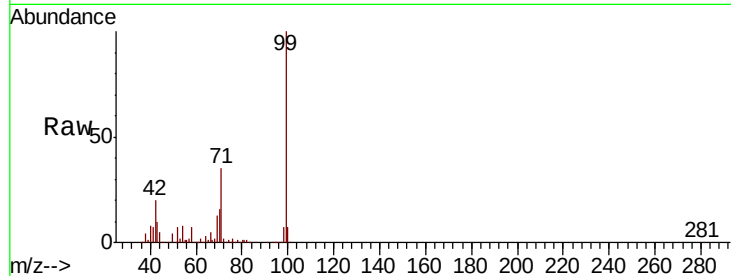
71 34.8 27.4 41.2

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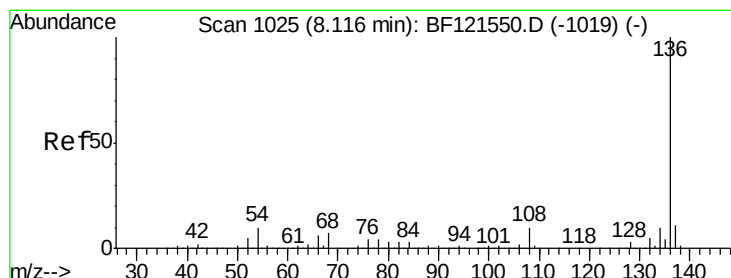
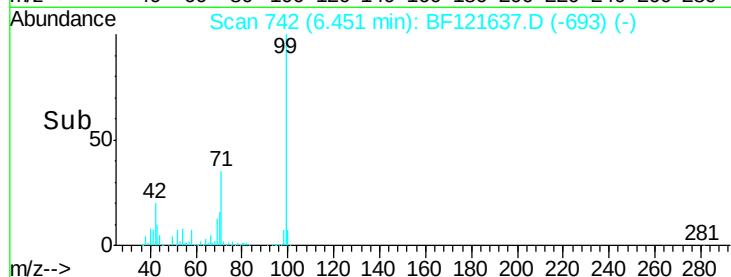
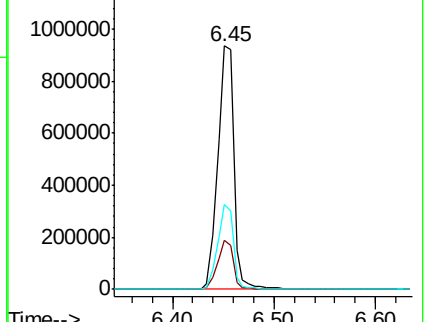
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF121637.D

Acq: 21 Sep 2020 20:40

Tgt Ion: 136 Resp: 553384

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.3 7.4 11.0

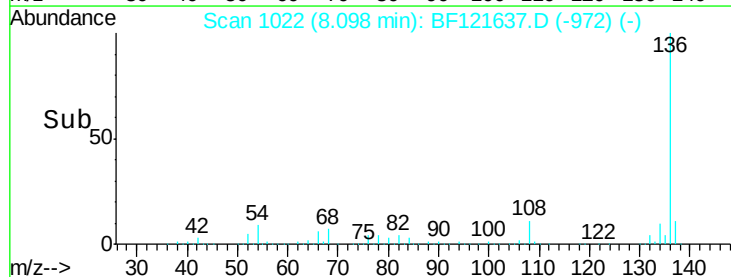
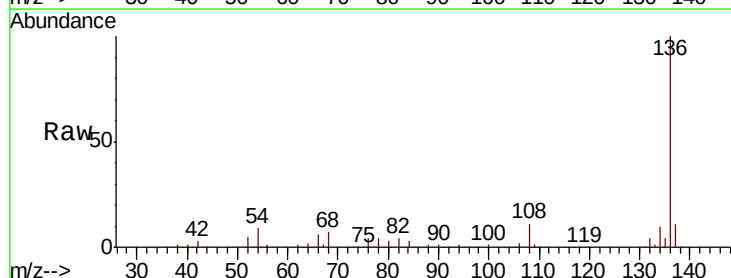
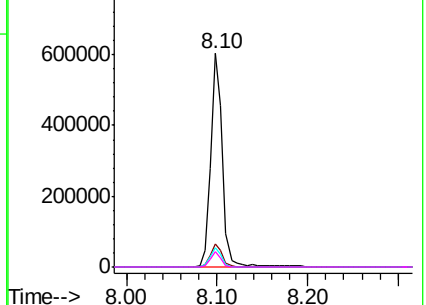
68 6.9 5.3 7.9

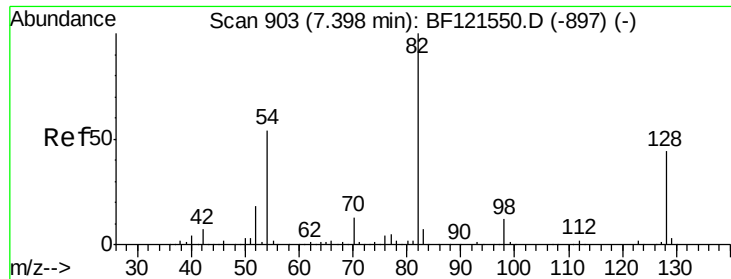
Abundance Ion 136.00 (135.70 to 136.70): E

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





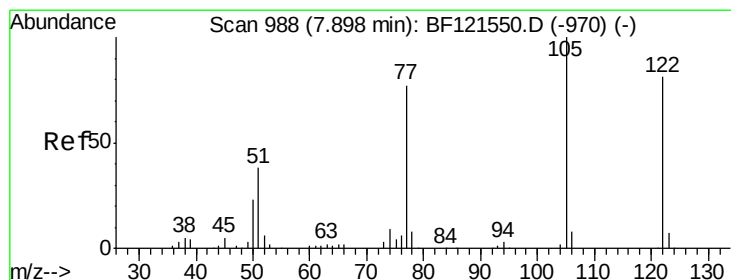
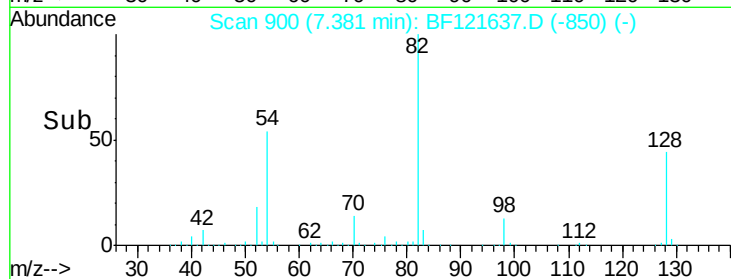
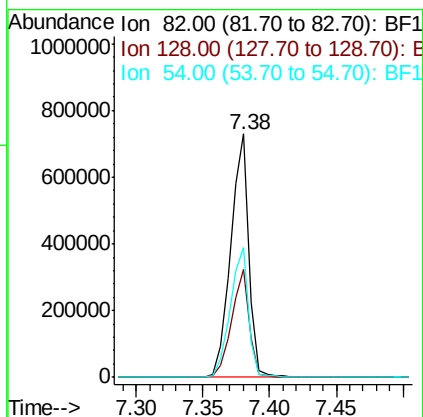
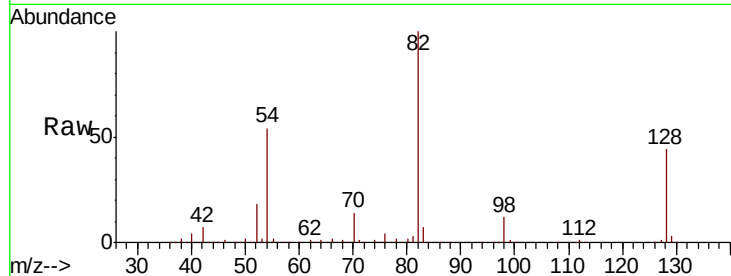
#23
Nitrobenzene-d5
Concen: 68.064 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOPSOIL-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	33.9	50.9	
54	53.5	42.9	64.3	

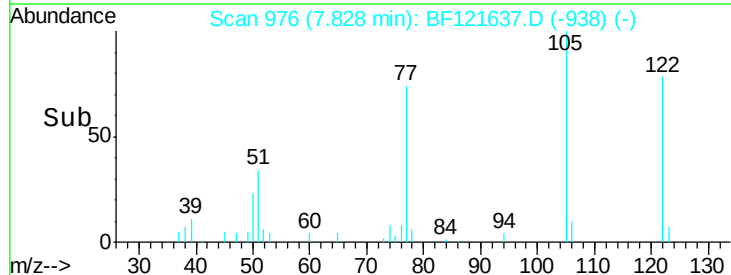
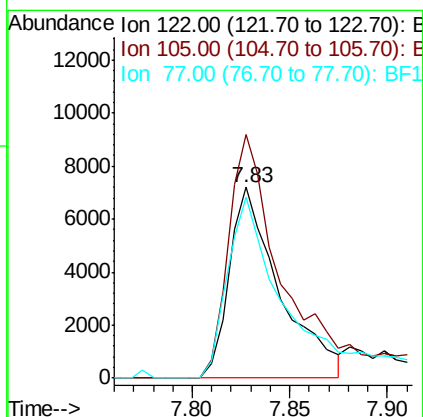
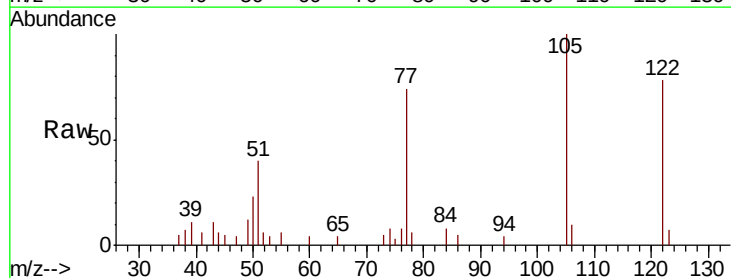
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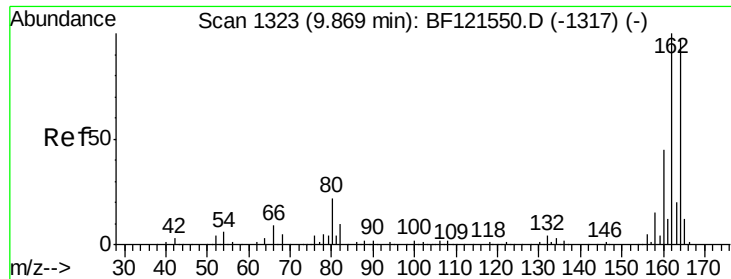
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#32
Benzoic acid
Concen: 8.532 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.08 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	127.5	101.9	141.9	
77	94.6	69.0	109.0	





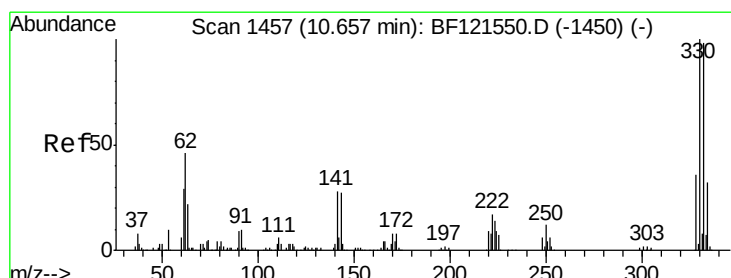
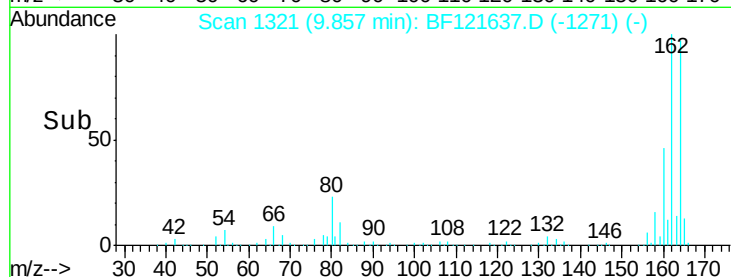
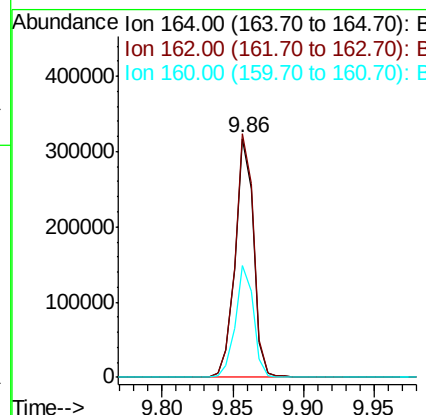
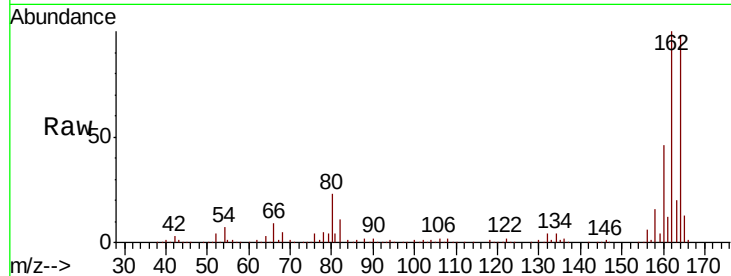
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF121637.D
 Acq: 21 Sep 2020 20:40

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOPSOIL-2020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	81.2	121.8	
160	46.6	36.2	54.4	

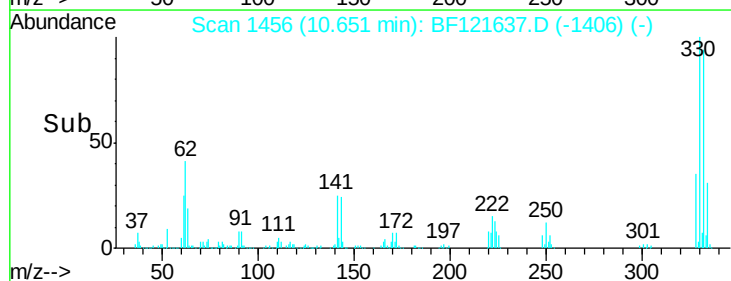
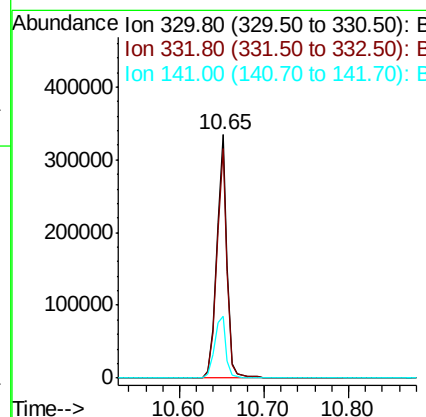
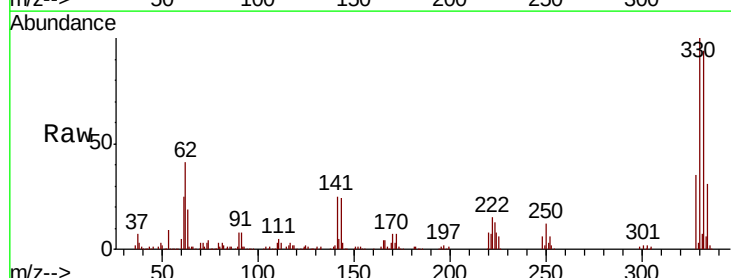
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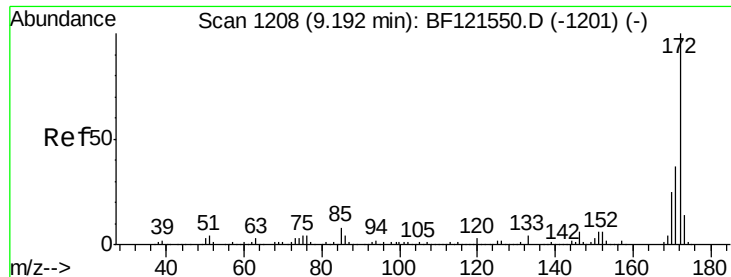
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#42
 2,4,6-Tribromophenol
 Concen: 81.886 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF121637.D
 Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.2	76.9	115.3	
141	28.5	22.4	33.6	





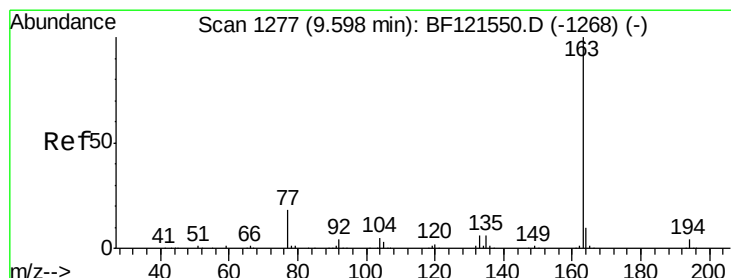
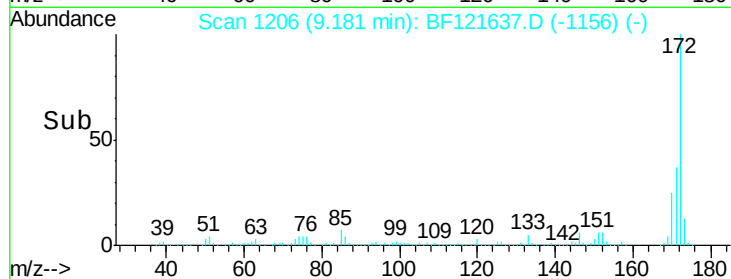
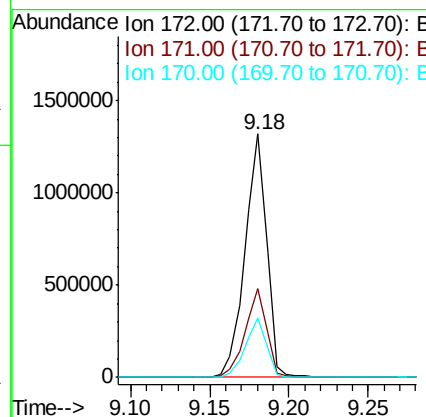
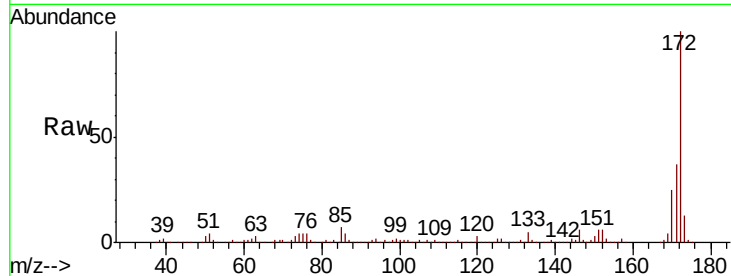
#45
2-Fluorobiphenyl
Concen: 66.079 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOPSOIL-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.5	19.5	29.3

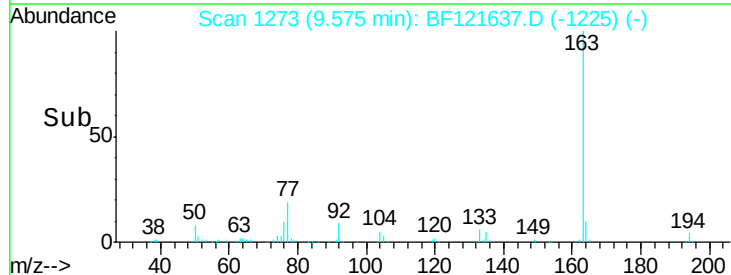
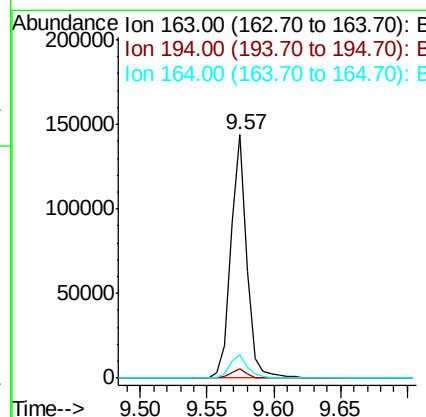
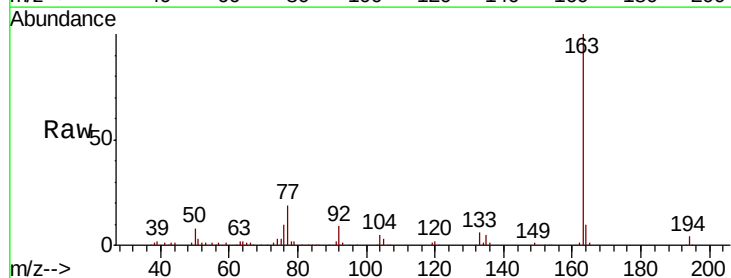
Manual Integrations
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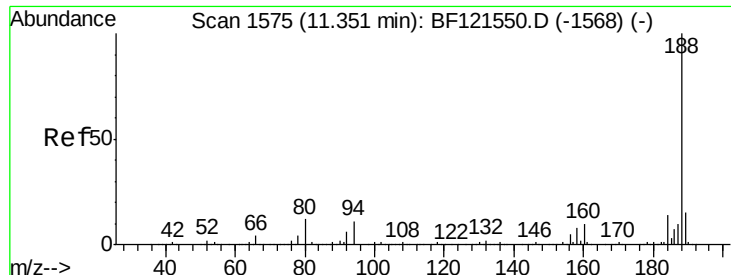
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#50
Dimethylphthalate
Concen: 5.853 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	9.7	8.0	12.0





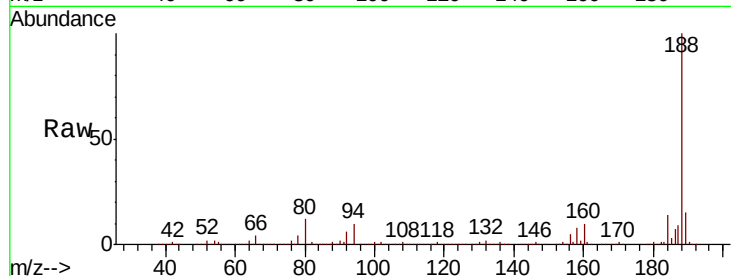
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOPSOIL-2020

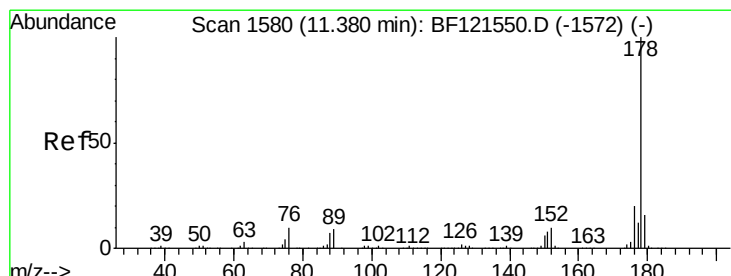
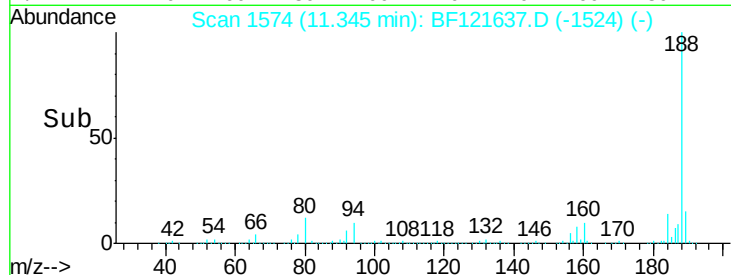
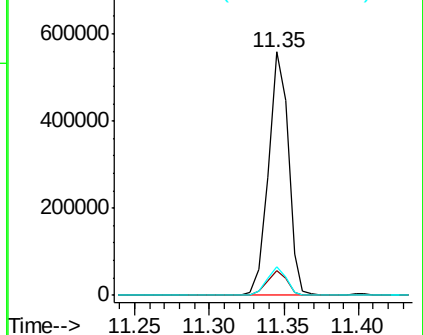
Tot Ion	Ratio	Resp	Lower	Upper
188	100	515574		
94	10.4		8.4	12.6
80	11.6		9.0	13.4

Manual Integrations
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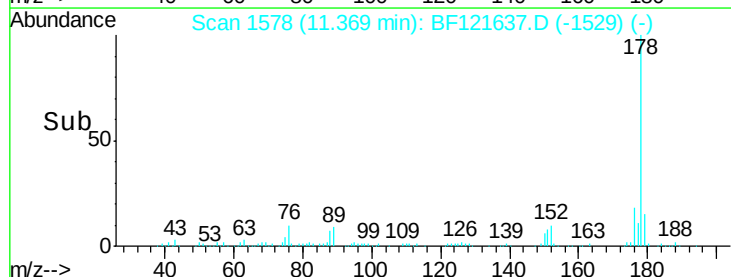
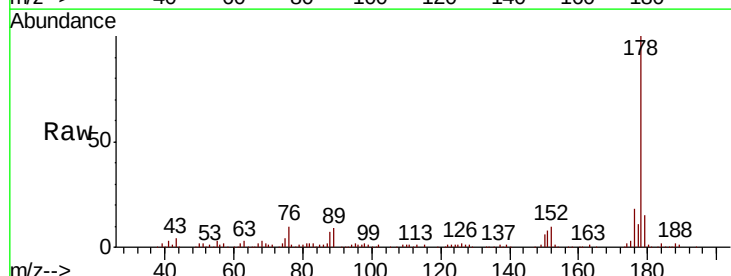
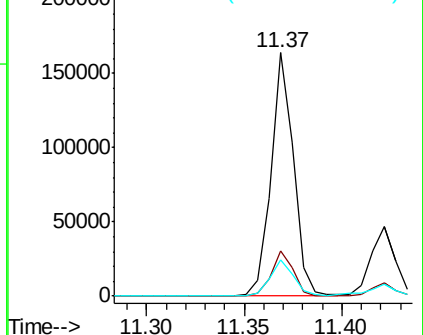
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

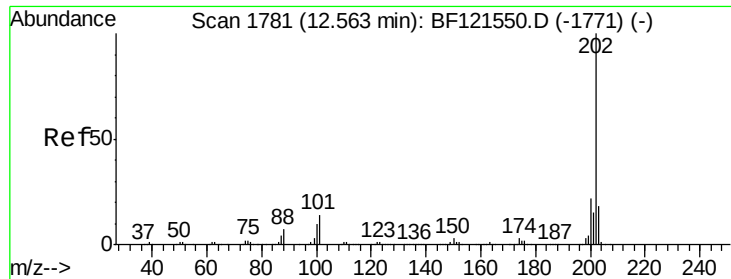


#71
Phenanthrene
Concen: 4.665 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	131037		
176	18.4		15.9	23.9
179	15.1		12.6	18.8

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





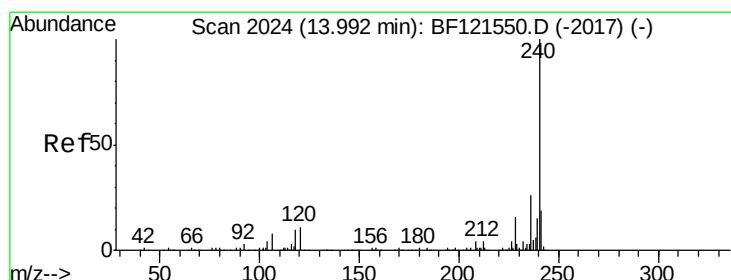
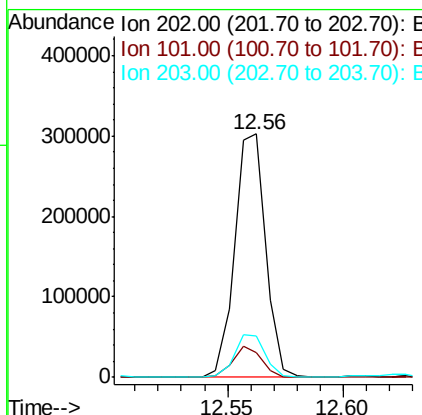
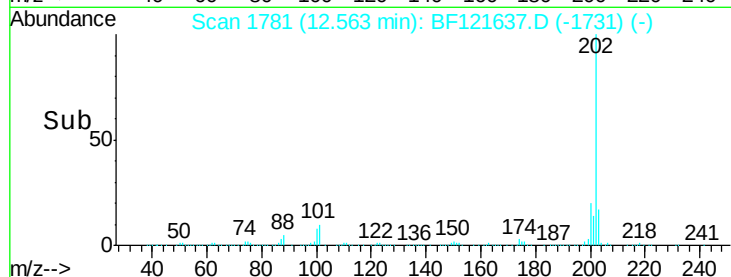
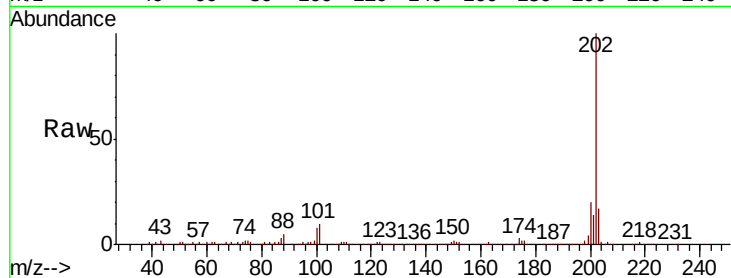
#75
 Fluoranthene
 Concen: 9.411 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF121637.D
 Acq: 21 Sep 2020 20:40

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOPSOIL-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	31.9
203	17.2	0.0	37.8

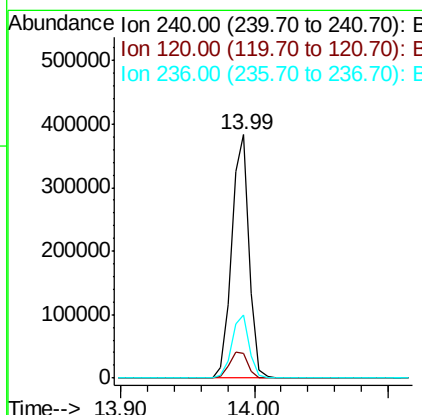
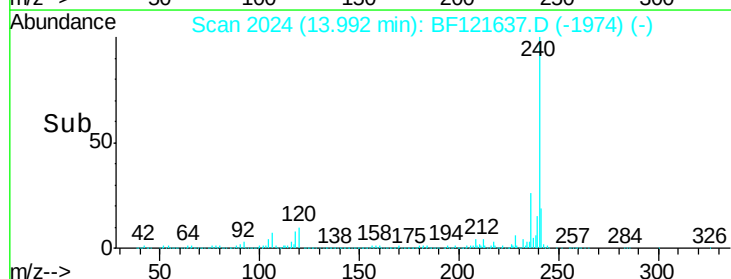
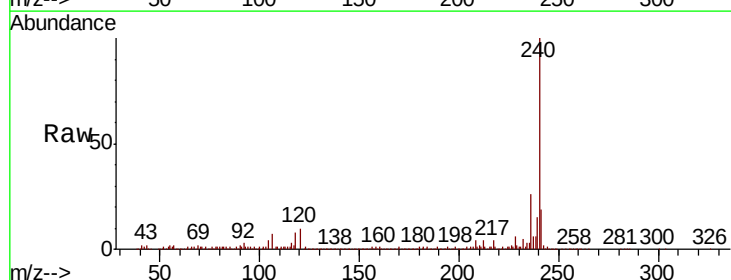
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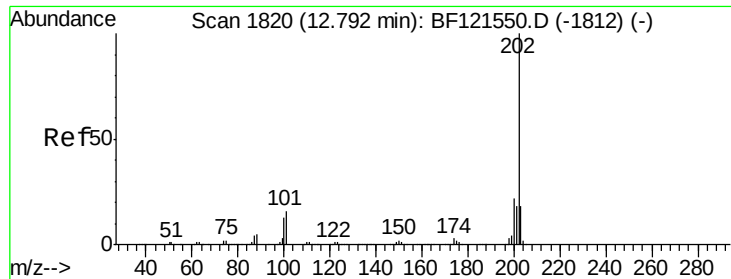
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF121637.D
 Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	9.2	13.8
236	25.9	20.4	30.6





#78

Pvrene

Concen: 9.872 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF121637.D

Acq: 21 Sep 2020 20:40

Instrument :

BNA_F

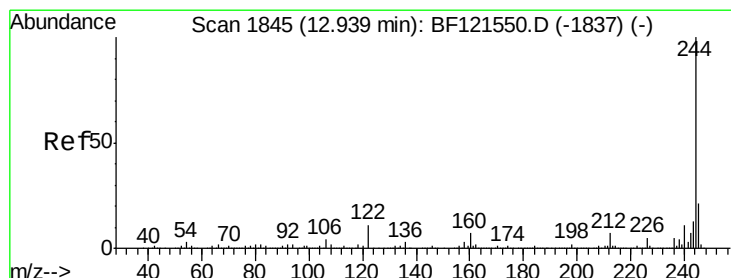
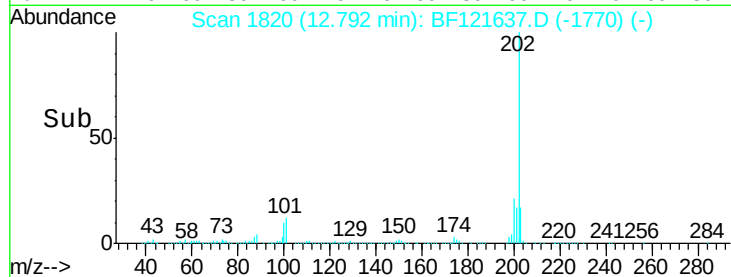
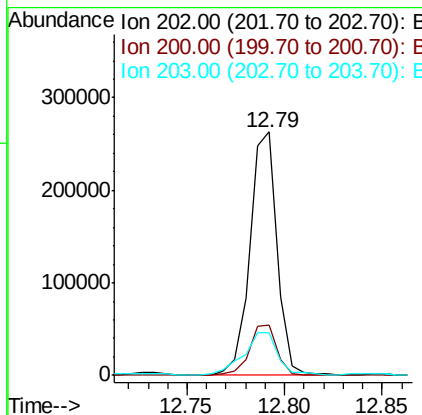
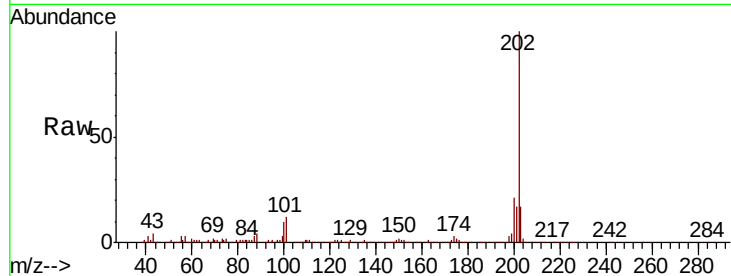
ClientSampleId :

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Tot Ion:	202	Resp:	252654
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.8	26.6
203	17.4	14.4	21.6

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#79

Terphenyl-d14

Concen: 65.415 ng

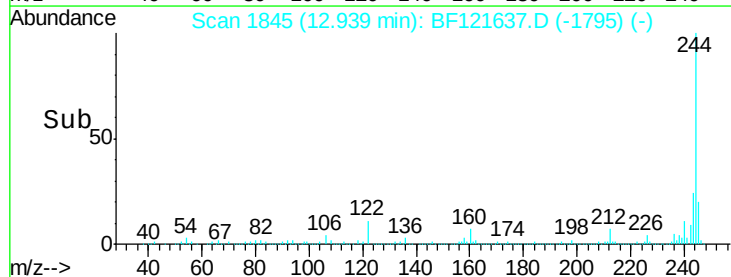
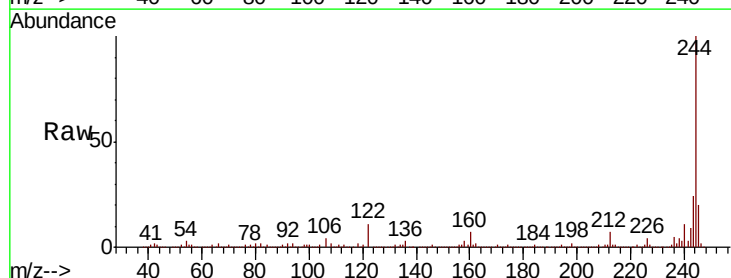
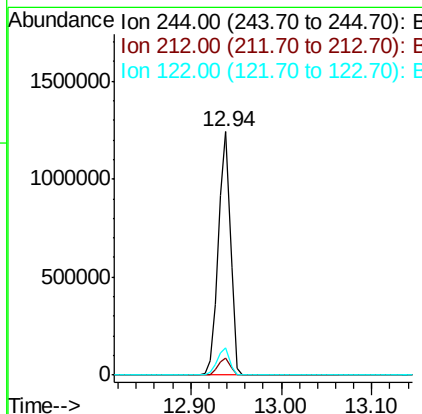
RT: 12.94 min Scan# 1845

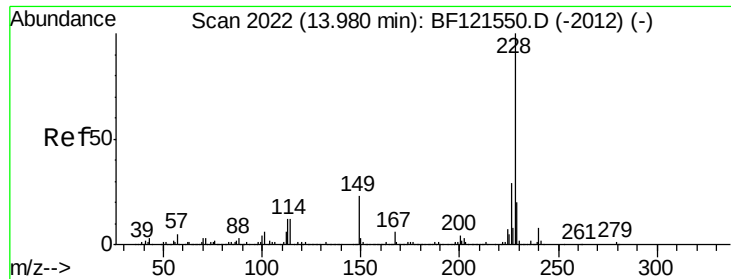
Delta R.T. -0.01 min

Lab File: BF121637.D

Acq: 21 Sep 2020 20:40

Tgt Ion:	244	Resp:	1131114
Ion Ratio		Lower	Upper
244	100		
212	7.3	5.5	8.3
122	11.0	7.4	11.0





#81

Benzo(a)anthracene

Concen: 5.862 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF121637.D

Acq: 21 Sep 2020 20:40

Instrument :

BNA_F

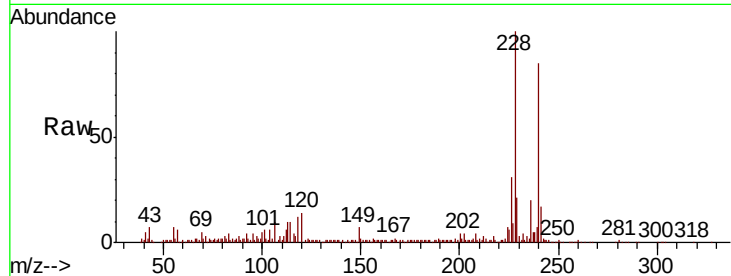
ClientSampleId :

CARLSTADT-TOPSOIL-2020

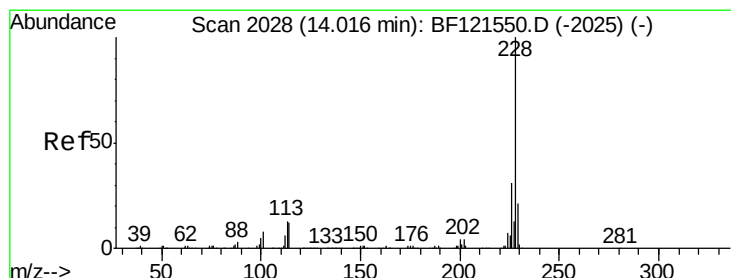
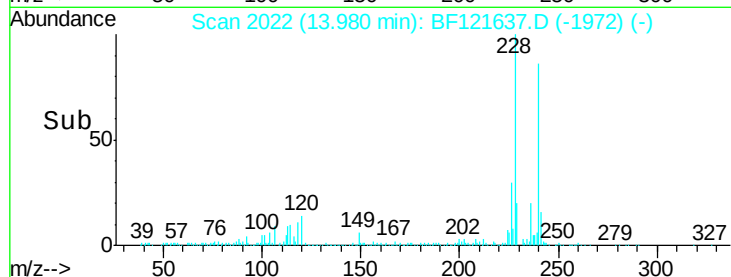
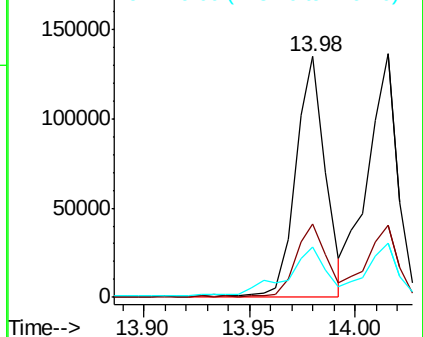
Tot Ion:	228	Resp:	129909
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.6	33.8
229	20.9	16.2	24.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.014 ng

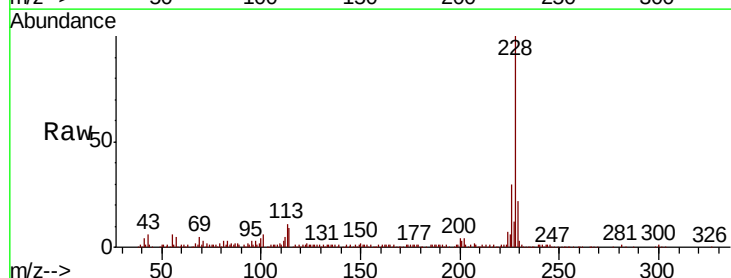
RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

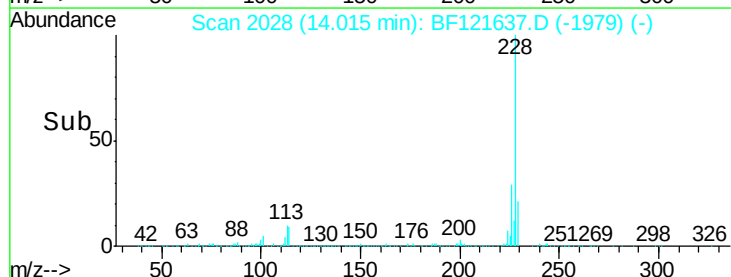
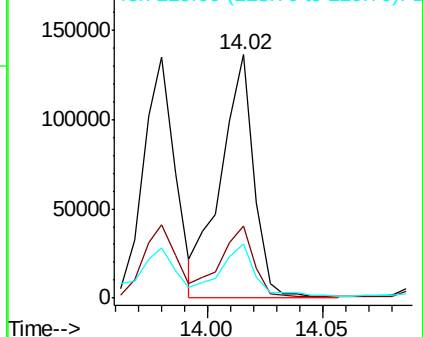
Lab File: BF121637.D

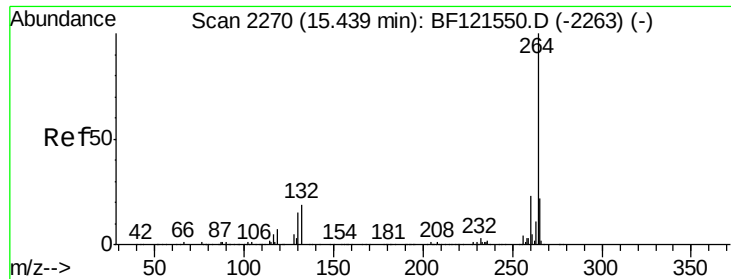
Acq: 21 Sep 2020 20:40

Tgt Ion:	228	Resp:	134958
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.4
229	22.5	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF121637.D

Acq: 21 Sep 2020 20:40

Instrument :

BNA_F

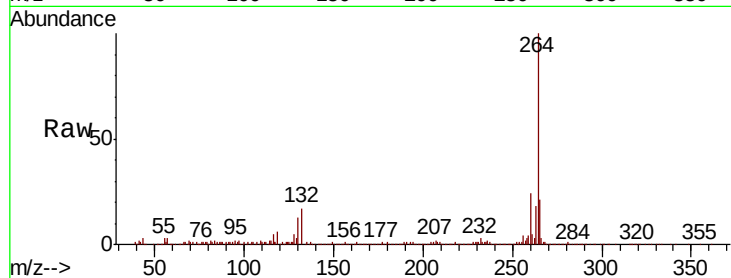
ClientSampleId :

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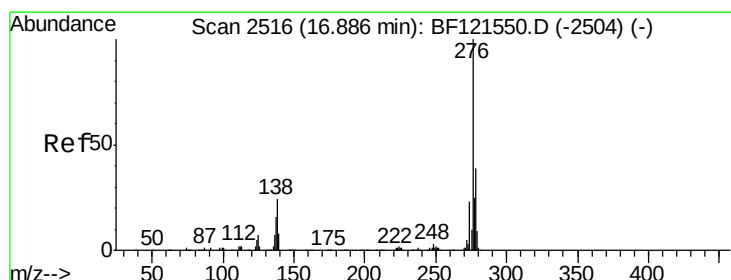
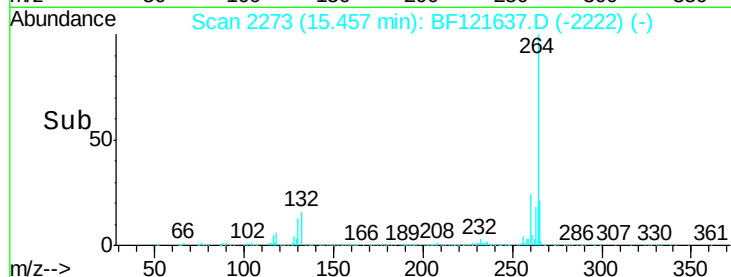
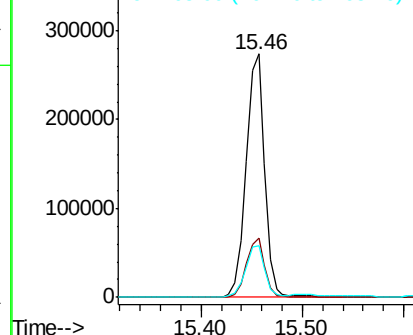
Tot Ion:	264	Resp:	345027
Ion Ratio		Lower	Upper
264	100		
260	24.2	18.8	28.2
265	21.4	17.3	25.9

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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: 4.437 ng

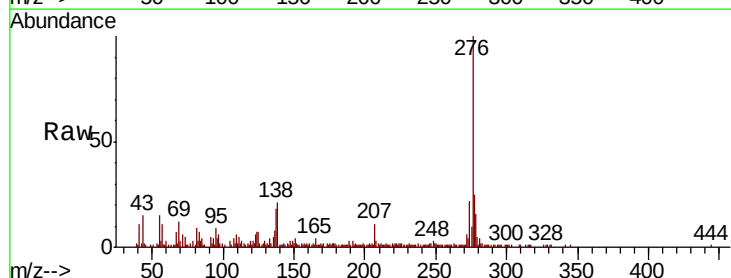
RT: 16.90 min Scan# 2518

Delta R.T. -0.02 min

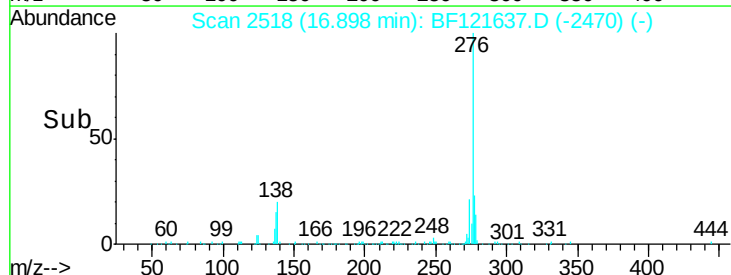
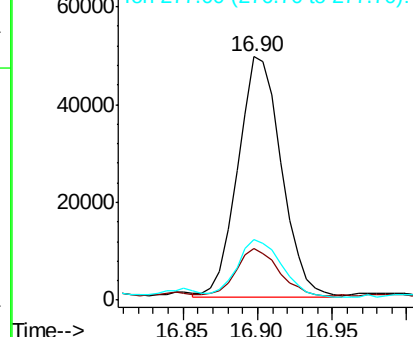
Lab File: BF121637.D

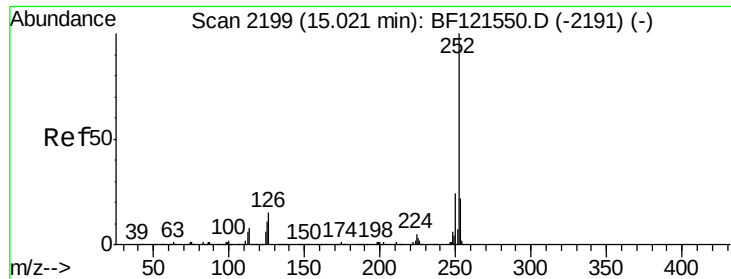
Acq: 21 Sep 2020 20:40

Tgt Ion:	276	Resp:	99685
Ion Ratio		Lower	Upper
276	100		
138	20.1	19.0	28.6
277	24.8	20.2	30.2



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





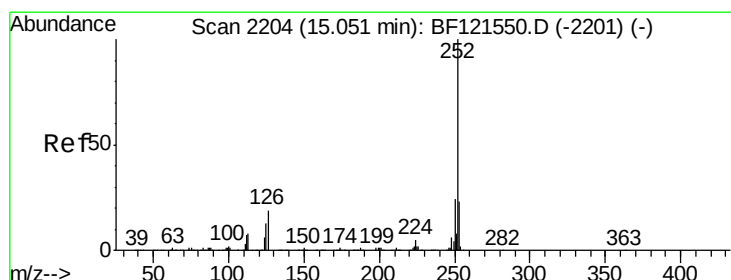
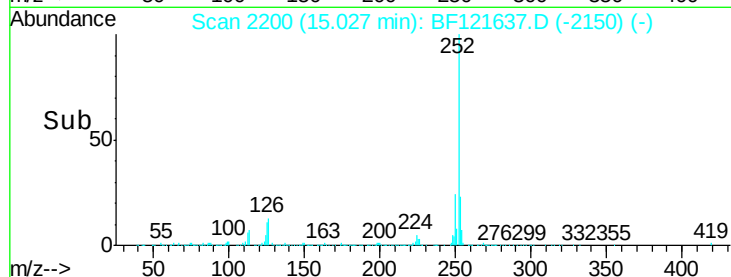
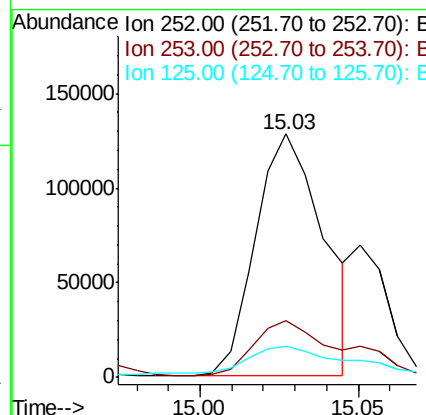
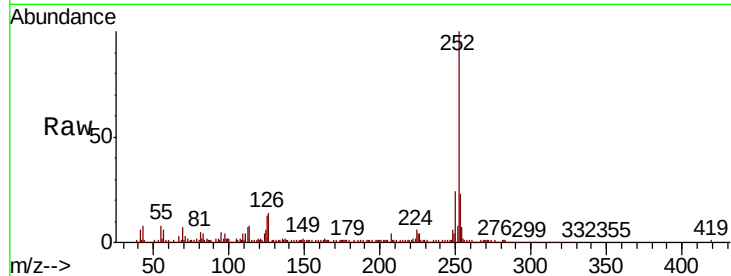
#88
Benzo(b)fluoranthene
Concen: 8.338 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	12.6	8.5	12.7

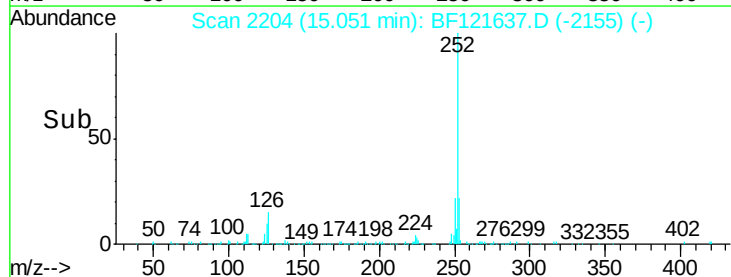
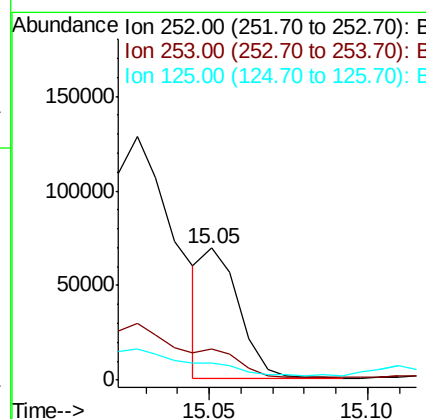
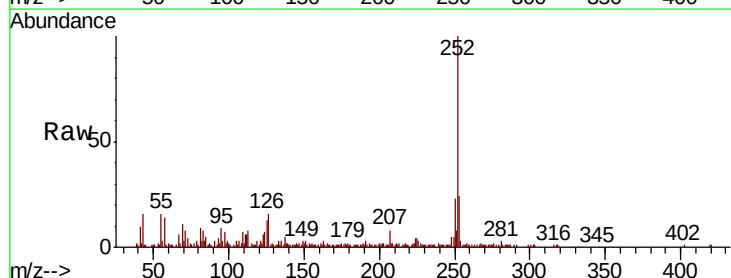
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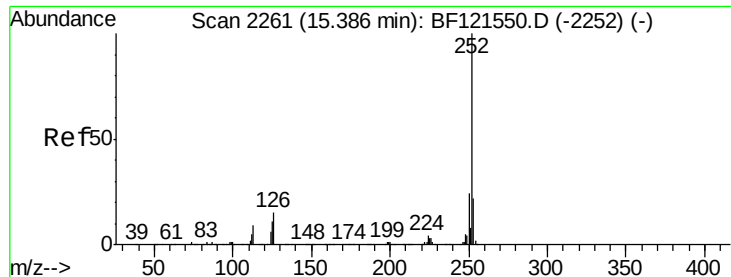
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#89
Benzo(k)fluoranthene
Concen: 2.547 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	12.9	8.4	12.6#





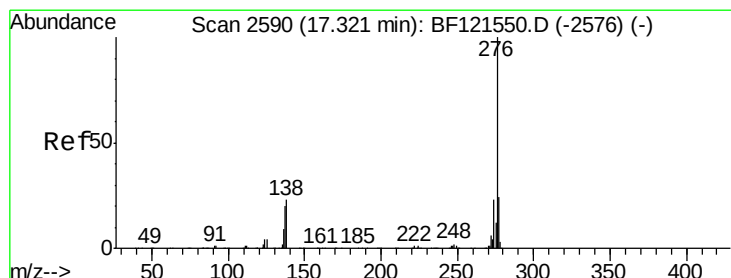
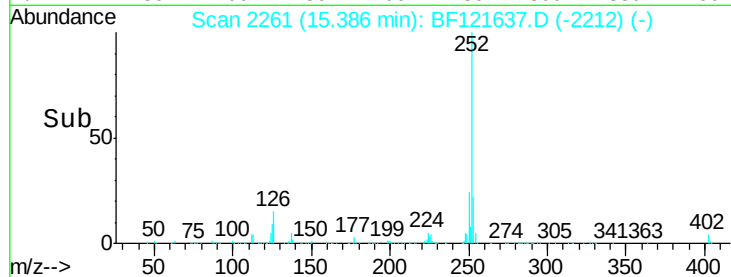
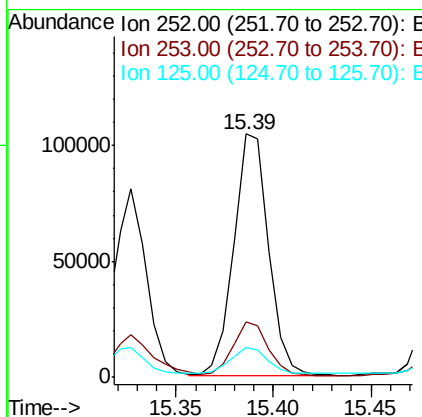
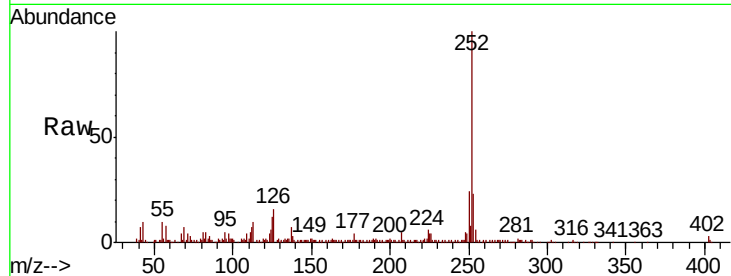
#90
Benzo(a)pyrene
Concen: 6.590 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	12.4	9.1	13.7

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#92
Benzo(g,h,i)perylene
Concen: 5.271 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BF121637.D
Acq: 21 Sep 2020 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.3	28.9
138	20.9	16.9	25.3

