

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121501.D
 Acq On : 1 Sep 2020 17:34
 Operator : JU/CG
 Sample : L3848-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 LINDEN-BH-02-A

Manual Integrations
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Quant Time: Sep 01 18:07:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	278911	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1064181	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	524764	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	897447	20.00	ng	0.00
76) Chrysene-d12	14.03	240	620641	20.00	ng	0.00
86) Perylene-d12	15.50	264	682617	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1199820	72.17	ng	0.00
7) Phenol-d6	6.48	99	1564443	67.34	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1014826	65.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	411887	77.71	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1841146	56.61	ng	-0.01
79) Terphenyl-d14	12.97	244	1493656	50.66	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.61	163	302242	8.385	ng	99
71) Phenanthrene	11.40	178	566883	12.309	ng	97
72) Anthracene	11.46	178	130826	2.888	ng	96
75) Fluoranthene	12.60	202	766916	15.451	ng	97
78) Pyrene	12.83	202	719468	16.232	ng	97
81) Benzo(a)anthracene	14.02	228	335324	8.851	ng	98
83) Chrysene	14.05	228	310286	8.186	ng	94
87) Indeno(1,2,3-cd)pyrene	16.97	276	183741	4.375	ng	94
88) Benzo(b)fluoranthene	15.07	252	434601m	9.787	ng	
89) Benzo(k)fluoranthene	15.10	252	110776m	2.682	ng	
90) Benzo(a)pyrene	15.44	252	297627	7.454	ng	# 93
92) Benzo(a,h,i)perylene	17.42	276	170246	5.140	ng	96

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

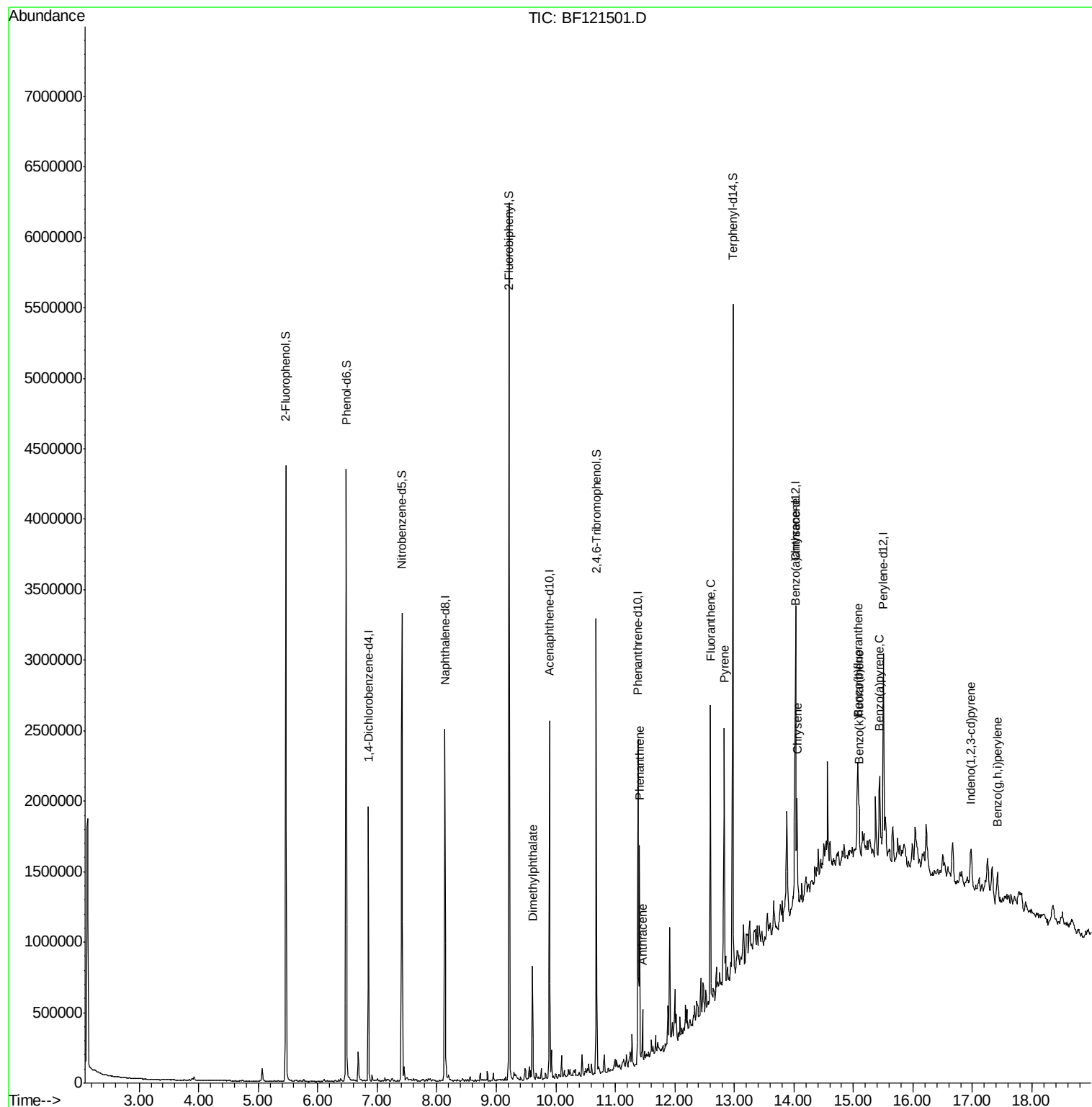
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

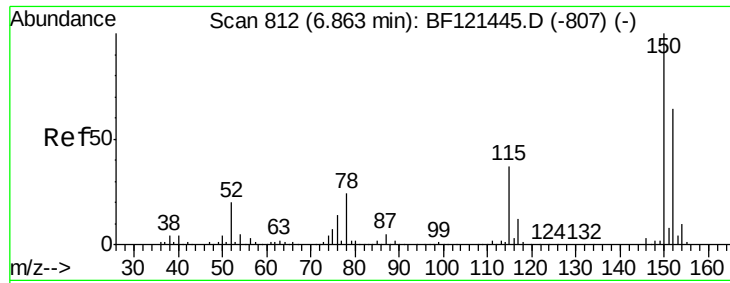
Instrument :
BNA_F
ClientSampleId :
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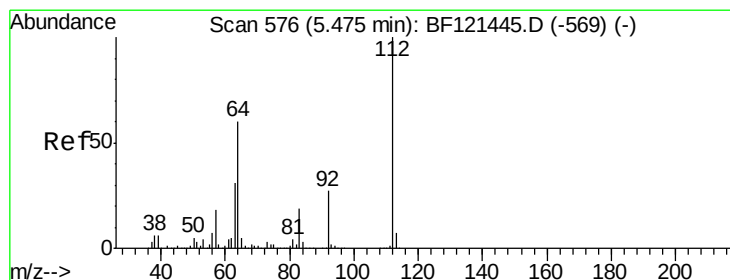
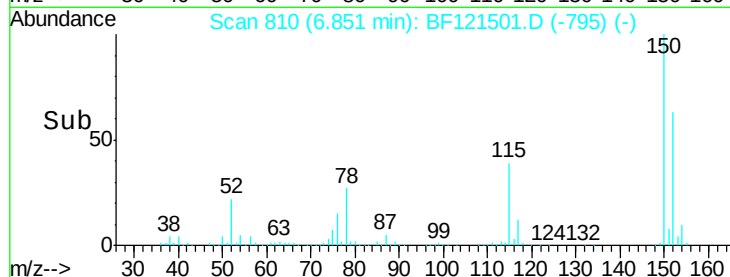
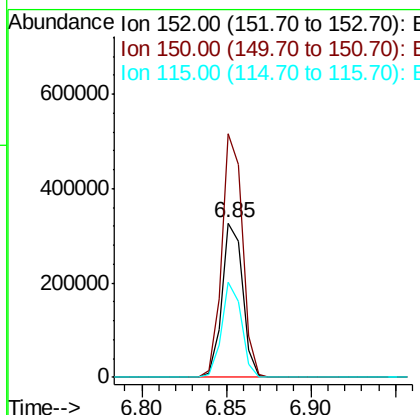
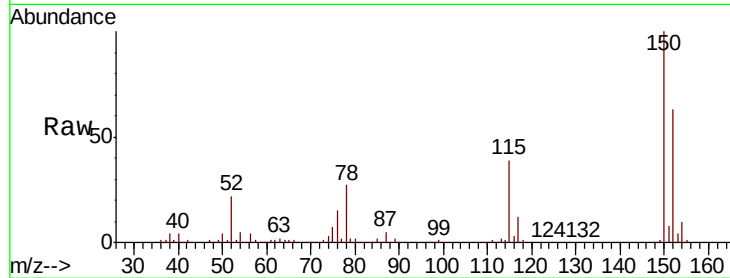
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF121501.D
 Acq: 1 Sep 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.8	188.6
115	61.5	46.6	69.8

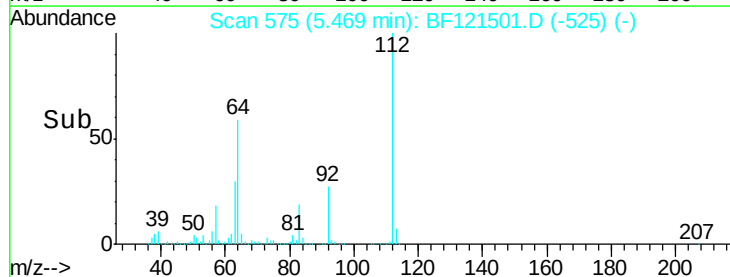
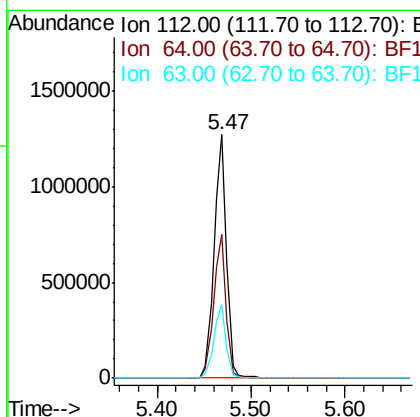
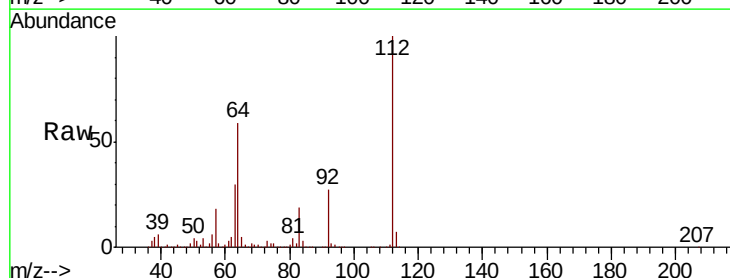
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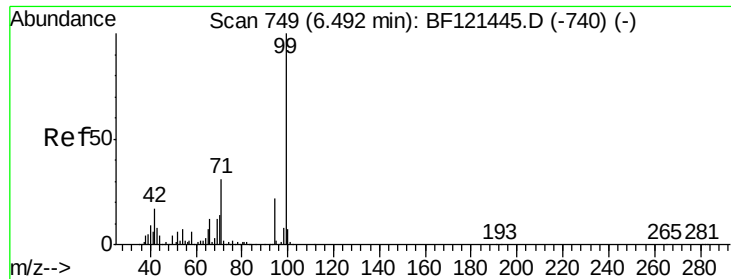
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#5
 2-Fluorophenol
 Concen: 72.173 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF121501.D
 Acq: 1 Sep 2020 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.2	72.2
63	29.9	24.8	37.2





#7

Phenol-d6

Concen: 67.341 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-02-A

Tot Ion: 99 Resp: 1564443

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

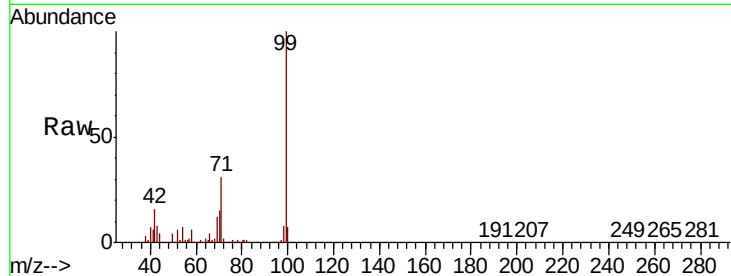
71 30.8 24.6 37.0

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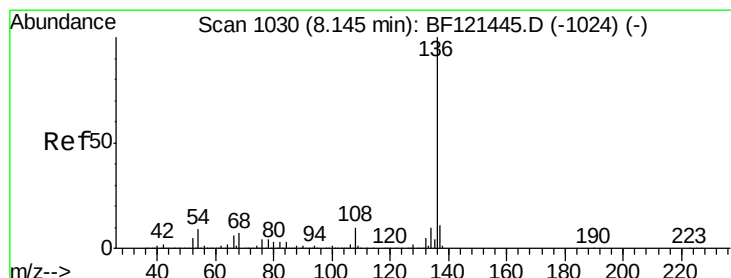
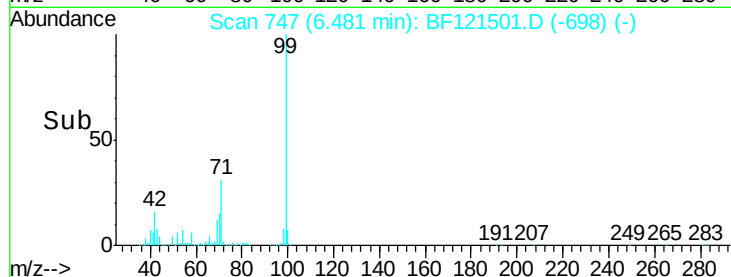
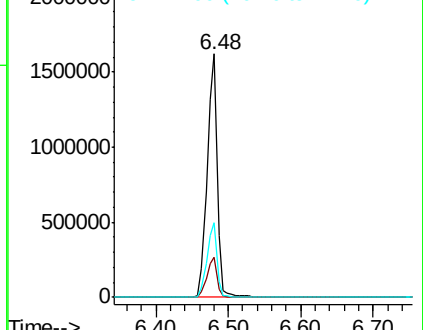
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Tgt Ion: 136 Resp: 1064181

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.9 7.0 10.4

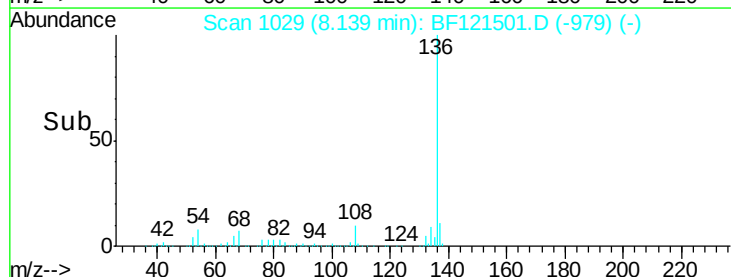
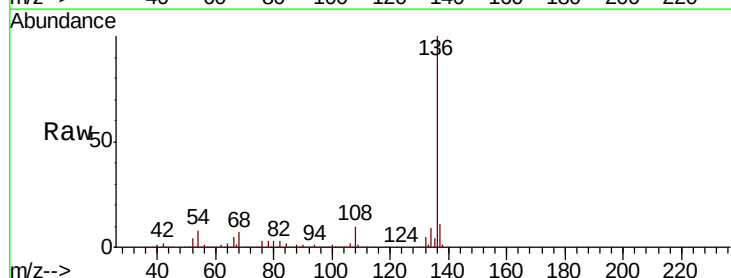
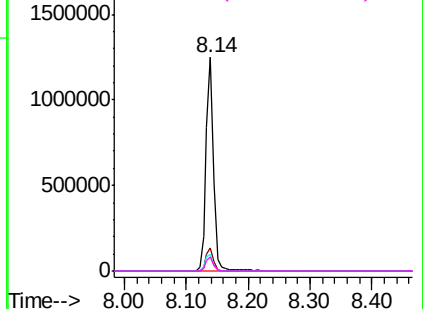
68 6.5 5.5 8.3

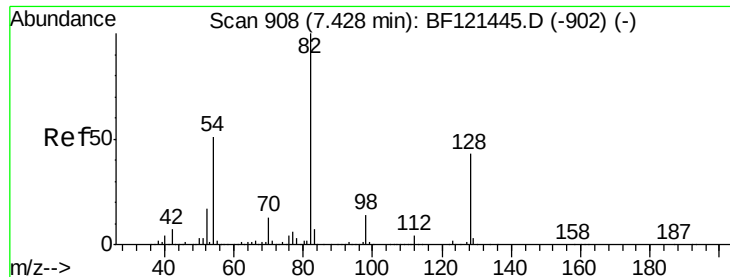
Abundance Ion 136.00 (135.70 to 136.70): E

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





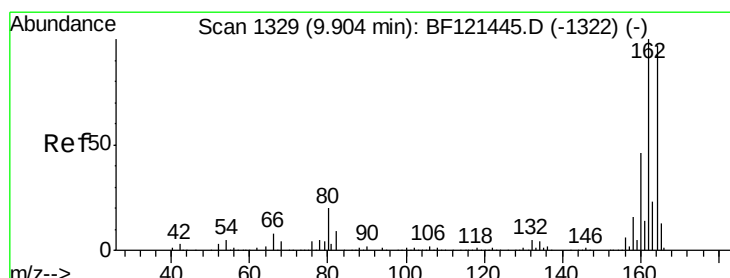
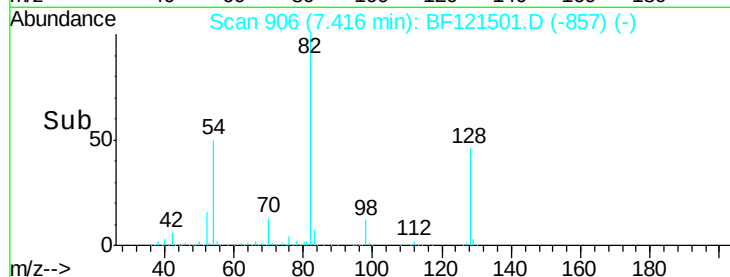
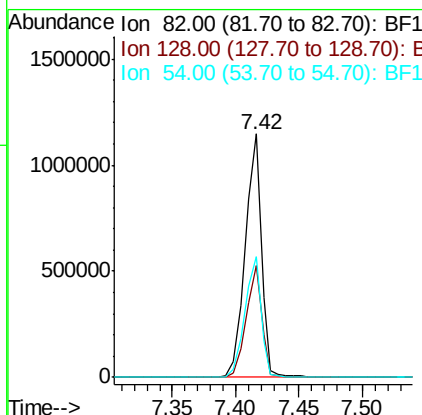
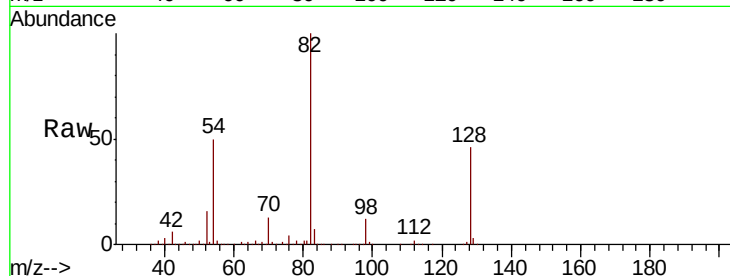
#23
Nitrobenzene-d5
Concen: 65.195 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.1	51.1
54	49.5	41.0	61.6

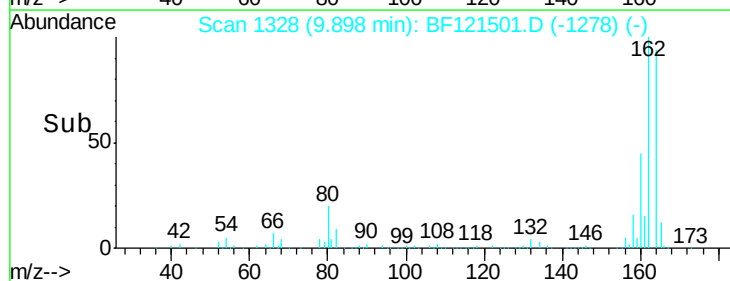
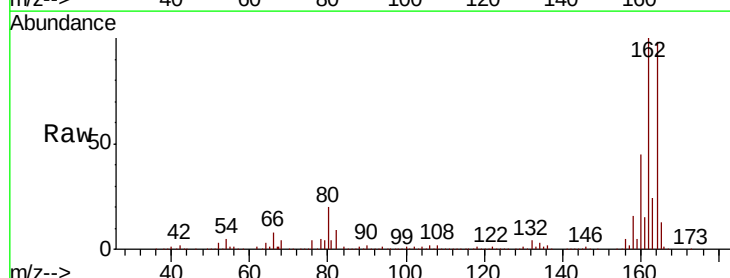
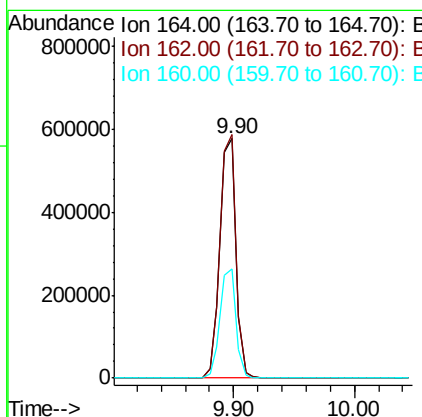
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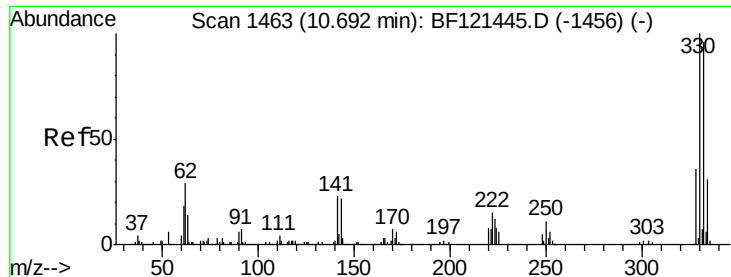
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.4	123.6
160	45.9	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 77.709 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Instrument :

BNA_F

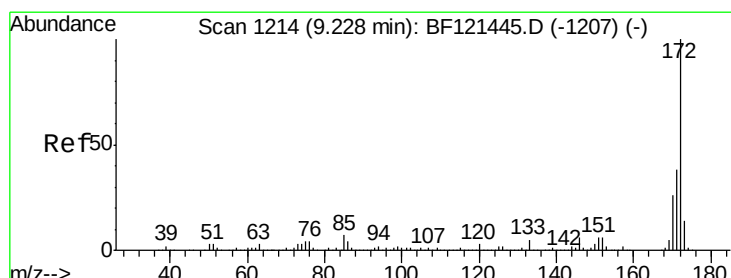
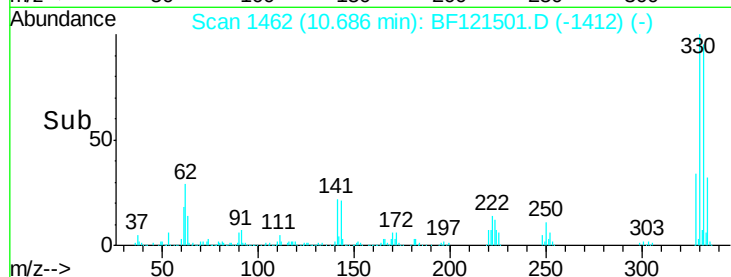
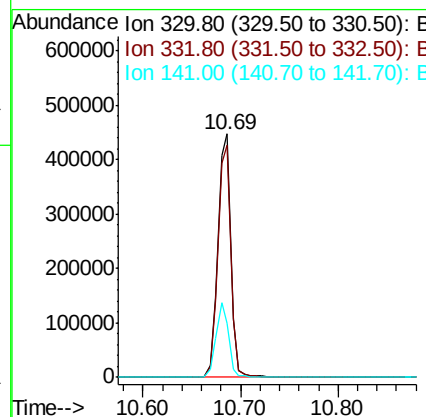
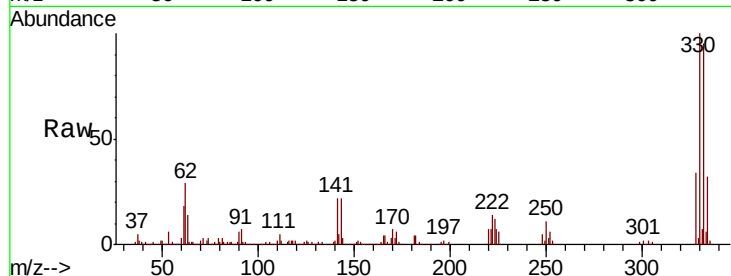
ClientSampleId :

LINDEN-BH-02-A

Tot Ion:	330	Resp:	411887
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.2
141	29.9	24.6	36.8

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#45

2-Fluorobiphenyl

Concen: 56.611 ng

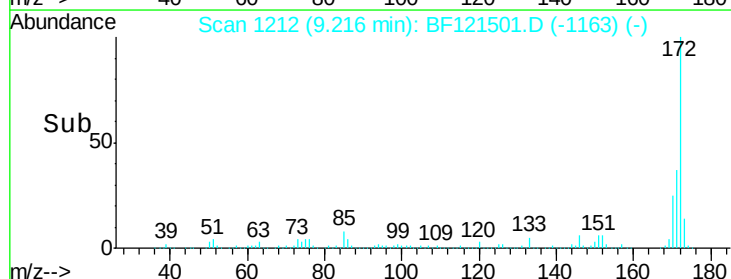
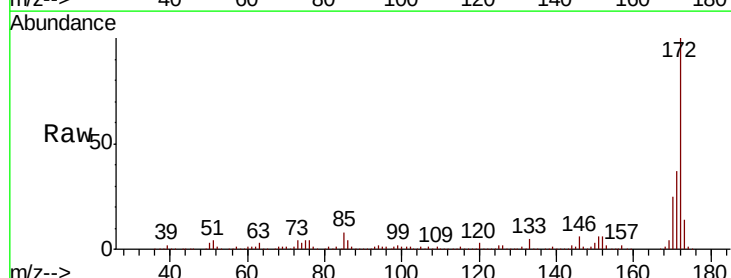
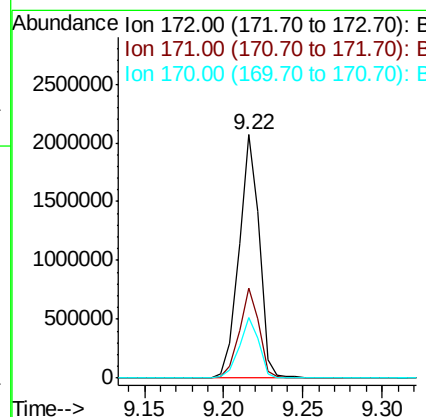
RT: 9.22 min Scan# 1212

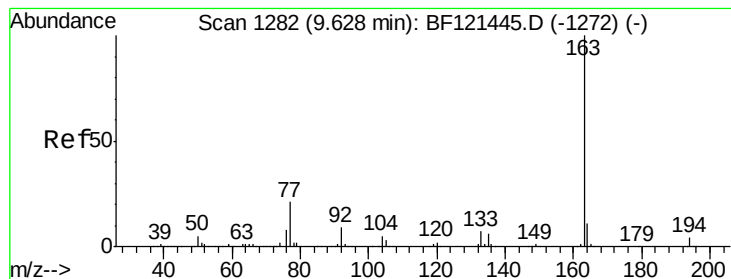
Delta R.T. -0.01 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Tgt Ion:	172	Resp:	1841146
Ion Ratio	Lower	Upper	
172	100		
171	37.0	30.6	45.8
170	24.8	20.6	31.0





#50

Dimethylphthalate

Concen: 8.385 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Instrument :

BNA_F

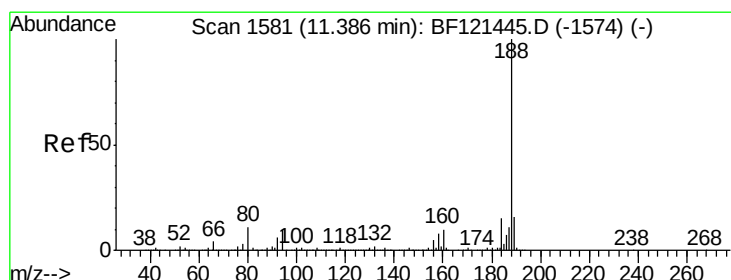
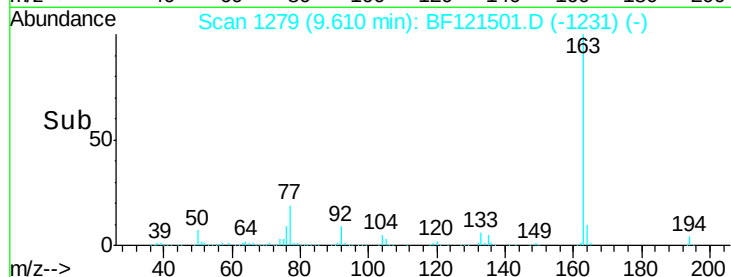
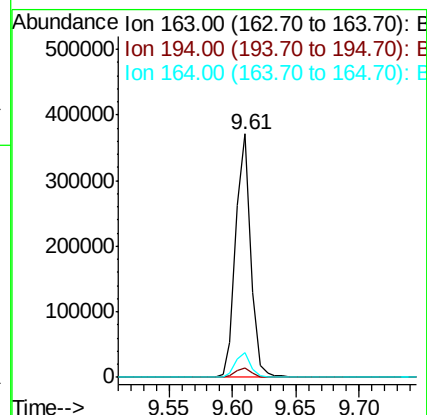
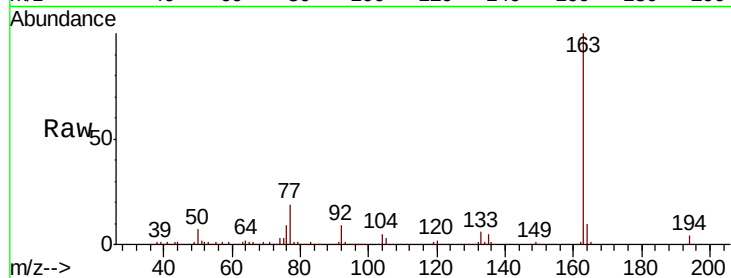
ClientSampleId :

LINDEN-BH-02-A

Tot Ion:	163	Resp:	302242
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.3	4.9
164	10.2	8.6	12.8

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#64

Phenanthrene-d10

Concen: 20.000 ng

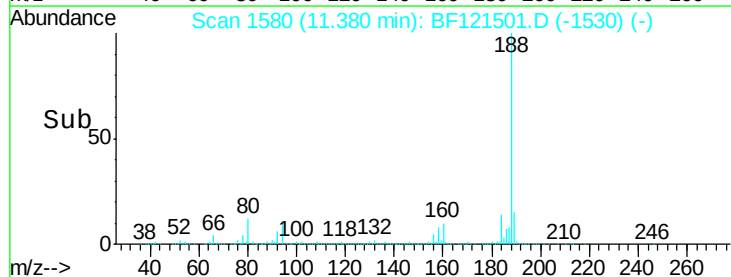
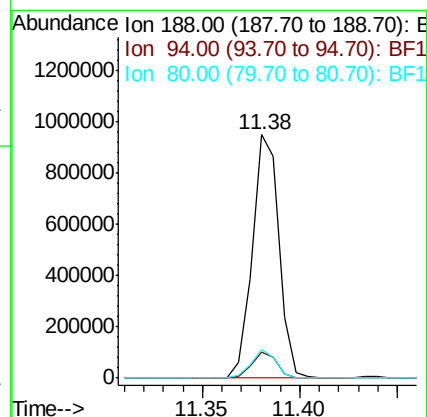
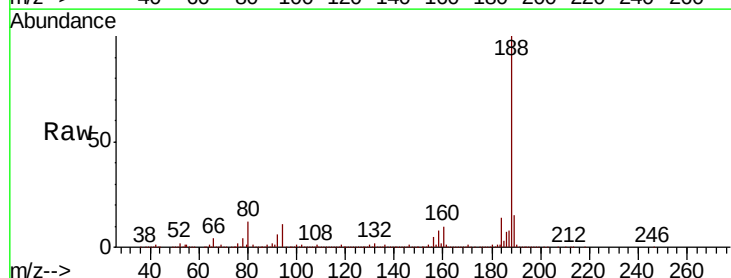
RT: 11.38 min Scan# 1580

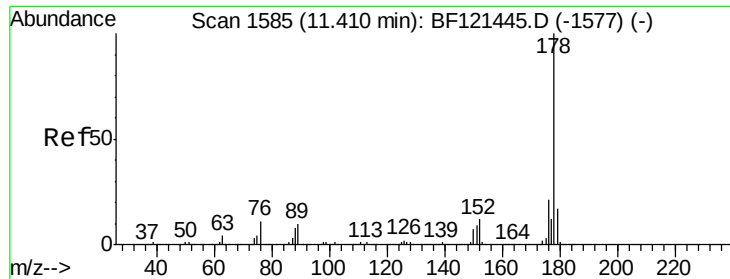
Delta R.T. -0.01 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Tgt Ion:	188	Resp:	897447
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.3	12.5
80	11.7	8.6	13.0





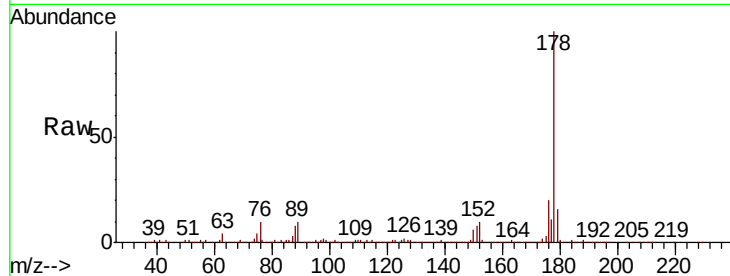
#71
Phenanthrene
Concen: 12.309 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	15.8	13.4	20.0

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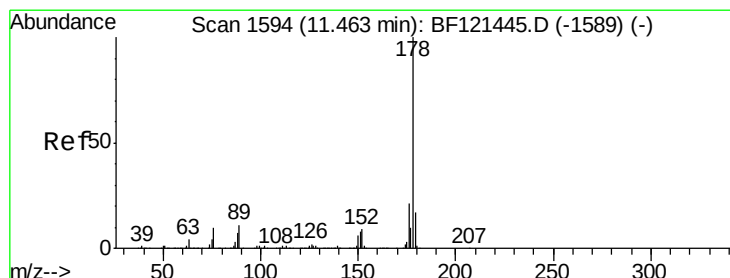
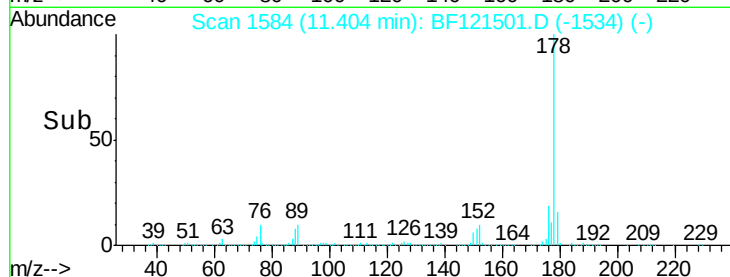
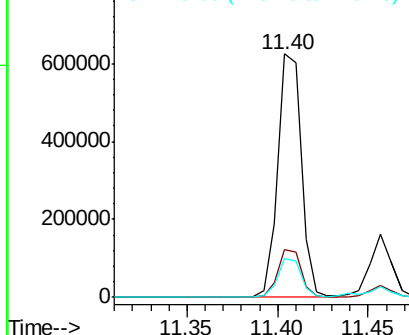


Abundance

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



#72
Anthracene
Concen: 2.888 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

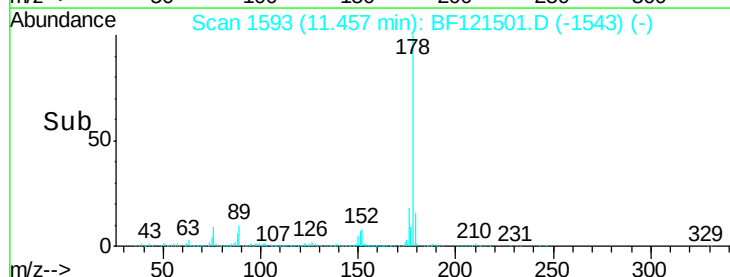
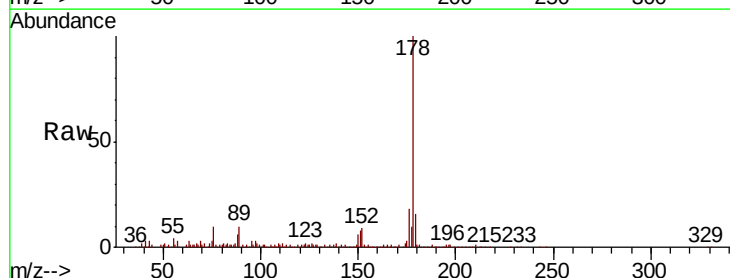
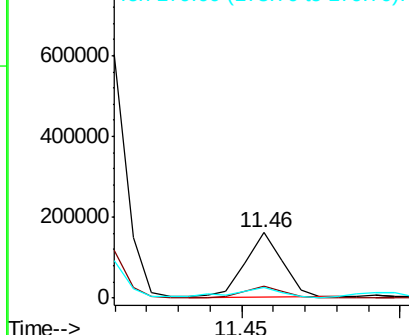
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.7	25.1
179	16.0	13.4	20.2

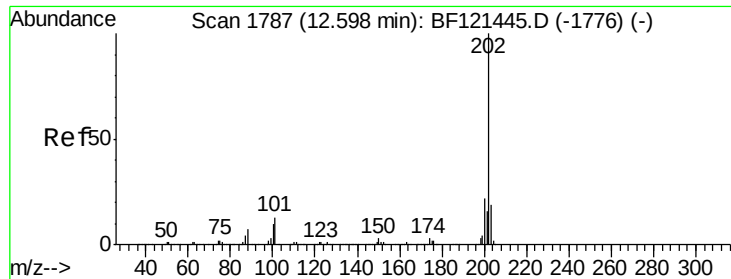
Abundance

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: 15.451 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Instrument :

BNA_F

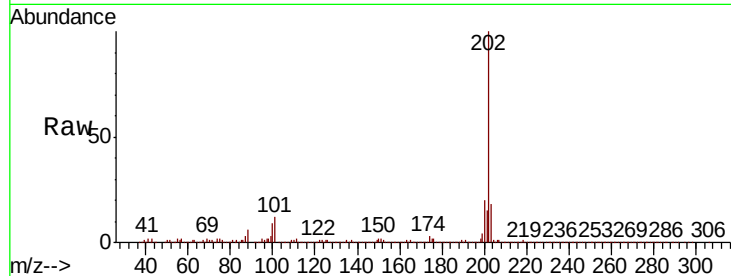
ClientSampleId :

LINDEN-BH-02-A

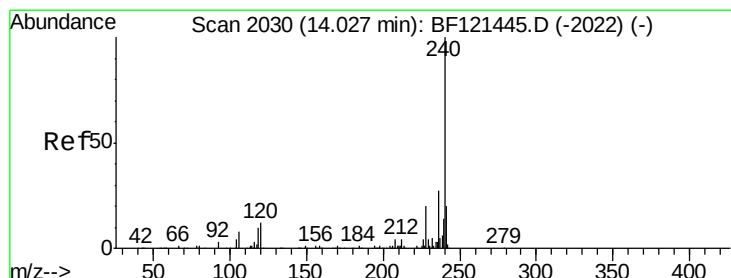
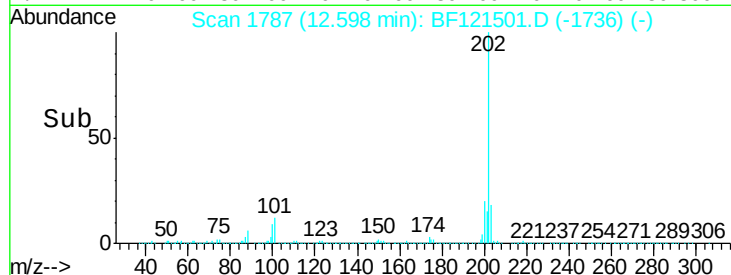
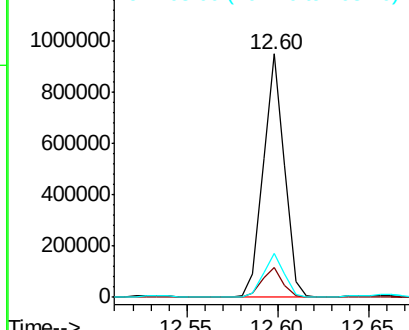
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.0	0.0	33.3		
203	18.1	0.0	39.1		

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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: 14.03 min Scan# 2030

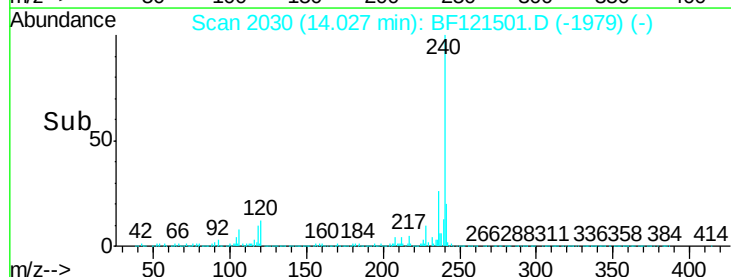
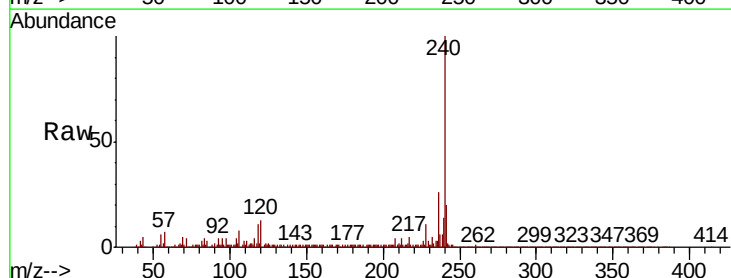
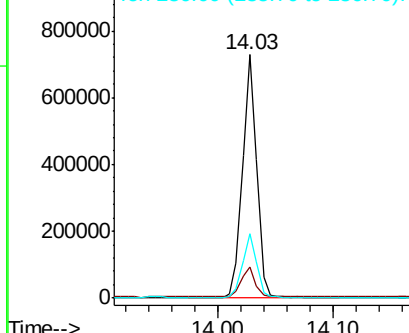
Delta R.T. 0.00 min

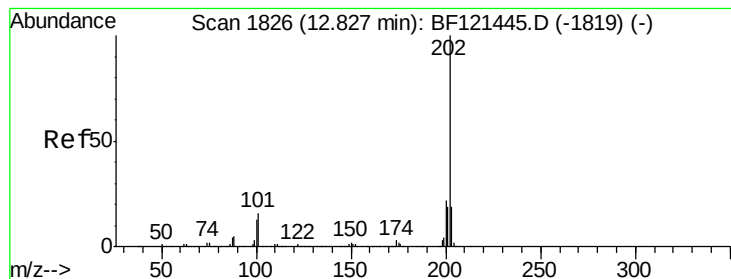
Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.8	9.5	14.3		
236	26.4	21.8	32.6		

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: 16.232 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Instrument :

BNA_F

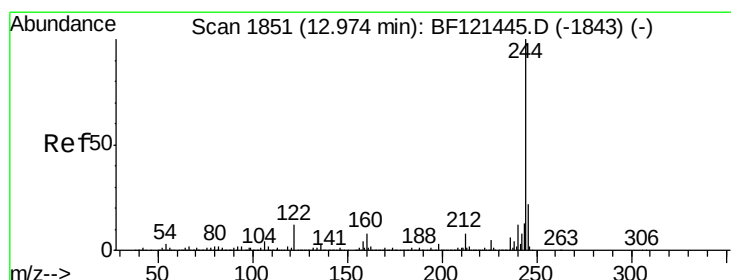
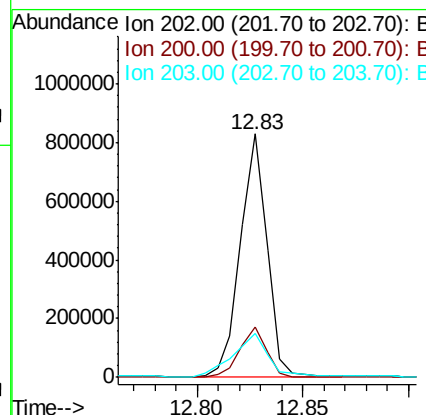
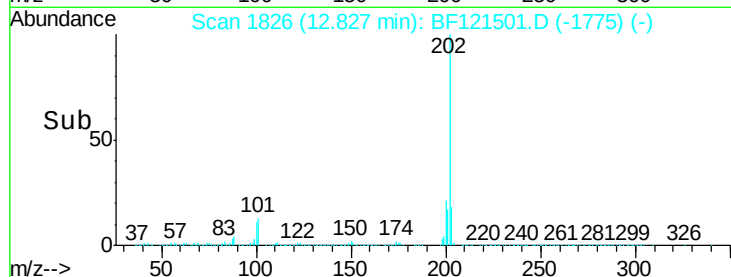
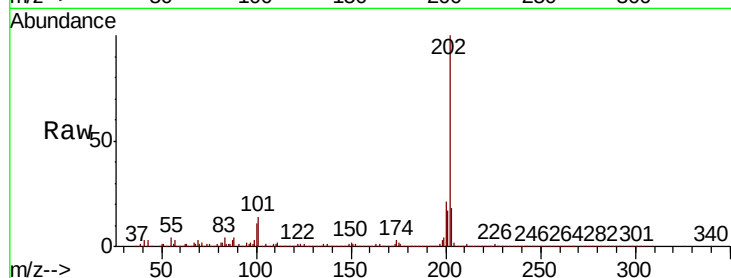
ClientSampleId :

LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	18.0	15.3	22.9

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#79

Terphenyl-d14

Concen: 50.659 ng

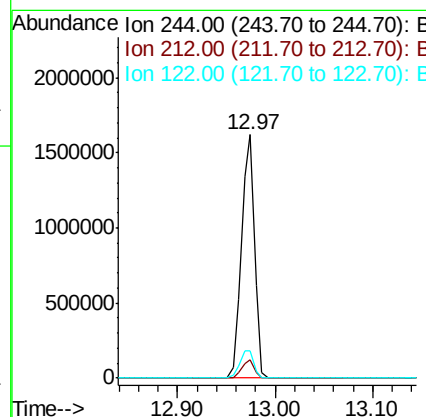
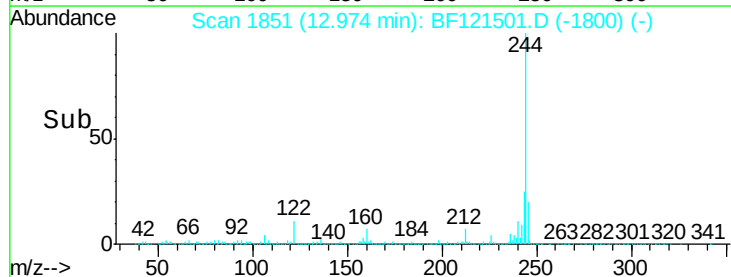
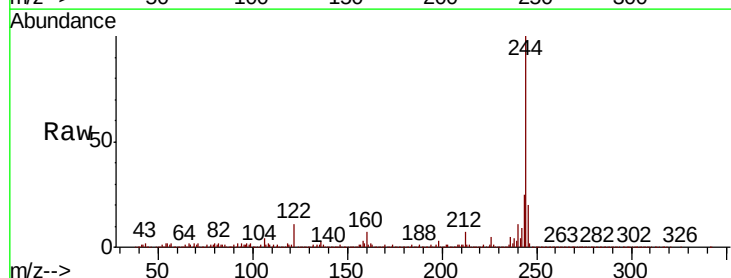
RT: 12.97 min Scan# 1851

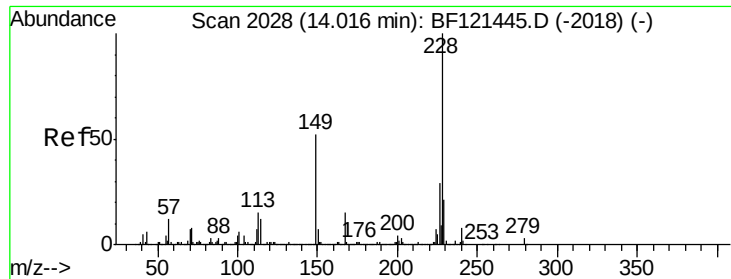
Delta R.T. 0.00 min

Lab File: BF121501.D

Acq: 1 Sep 2020 17:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.3	9.5	14.3





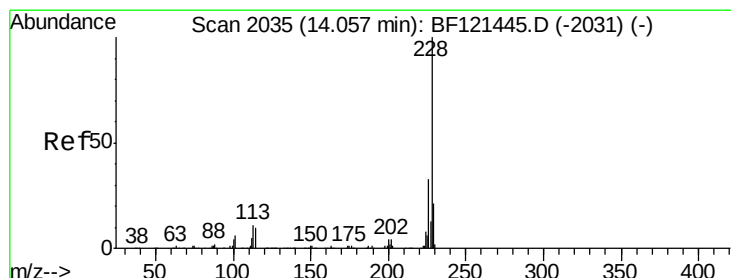
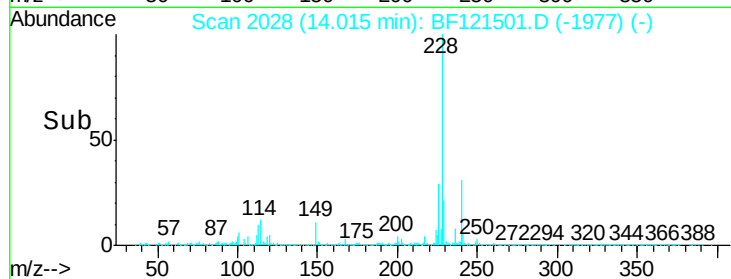
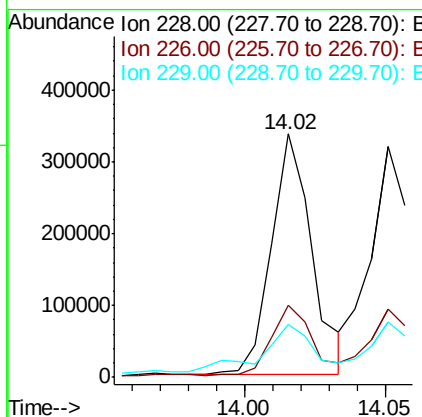
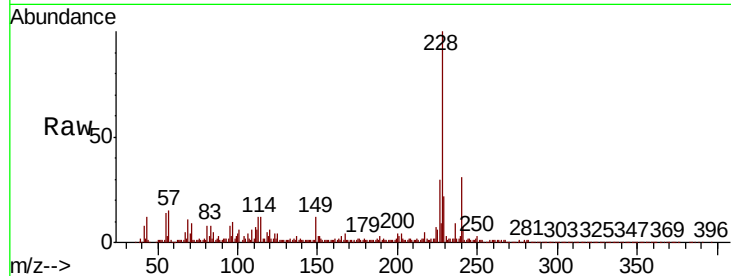
#81
Benzo(a)anthracene
Concen: 8.851 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.4
229	22.0	16.6	24.8

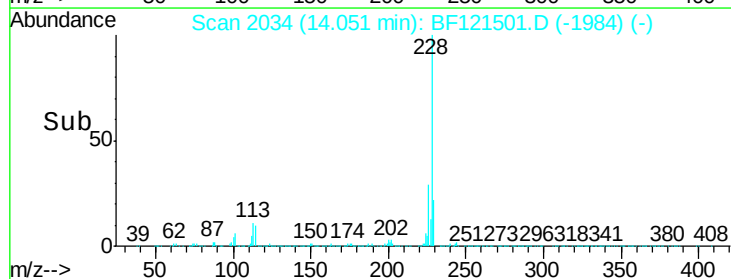
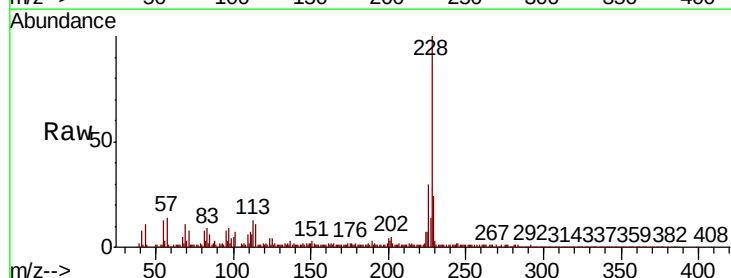
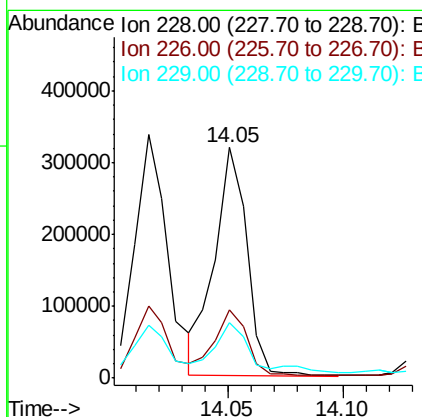
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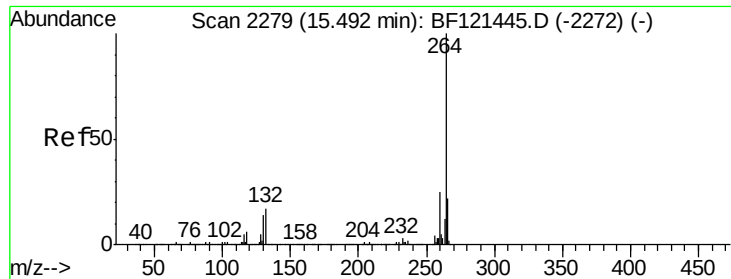
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#83
Chrysene
Concen: 8.186 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.2	39.2
229	23.9	16.6	25.0





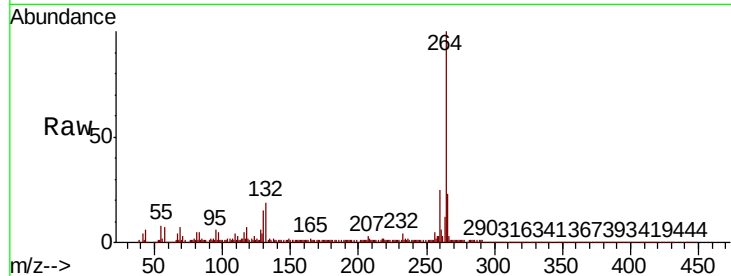
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-02-A

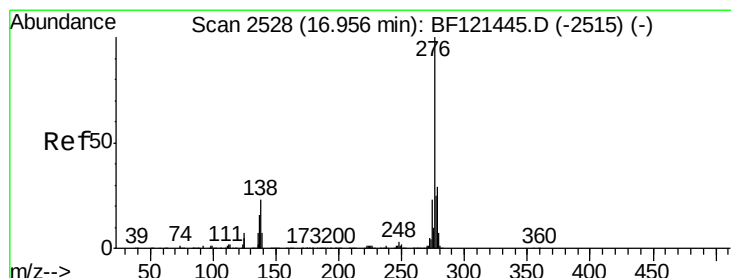
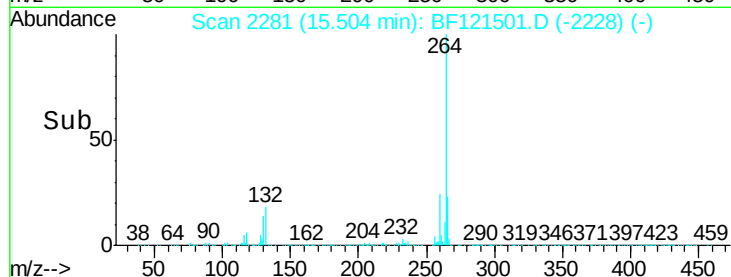
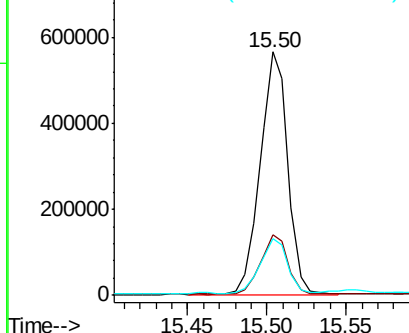
Tot Ion:264	Resp:	682617
Ion Ratio	Lower	Upper
264 100		
260 25.0	19.6	29.4
265 23.2	17.8	26.6

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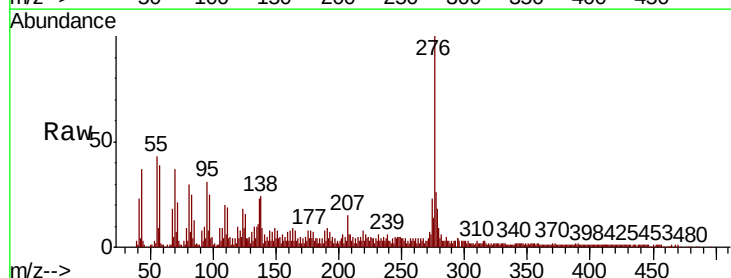


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

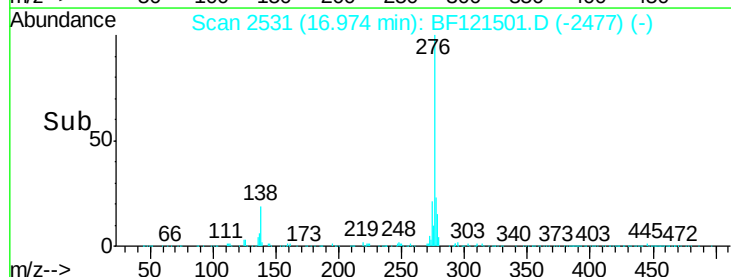
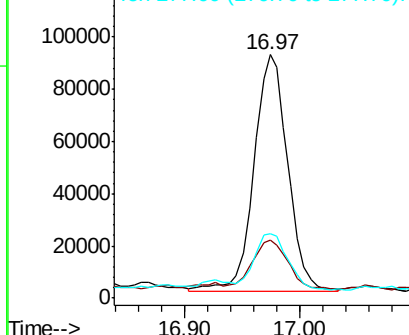


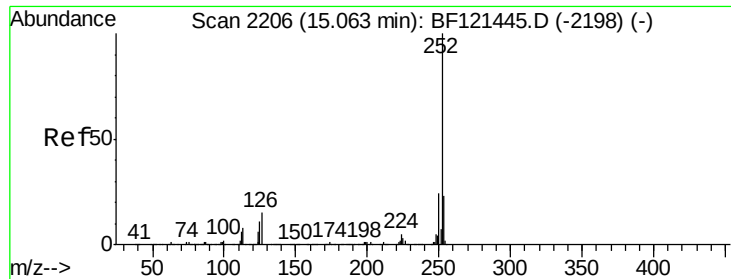
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.375 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Tgt Ion:276	Resp:	183741
Ion Ratio	Lower	Upper
276 100		
138 21.3	20.6	31.0
277 23.6	20.5	30.7



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





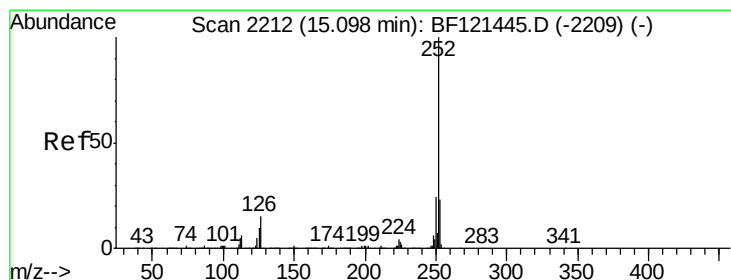
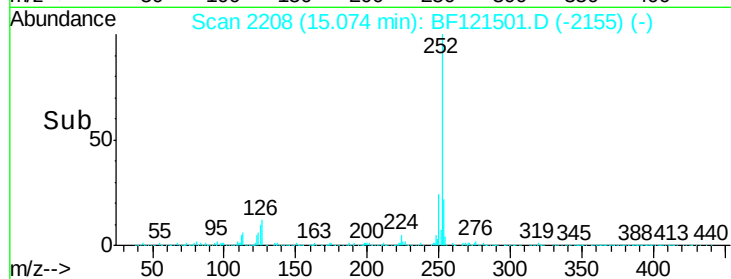
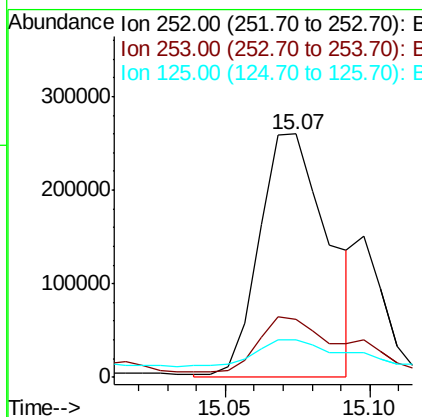
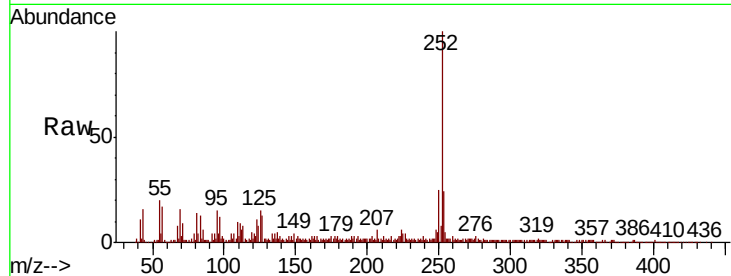
#88
Benzo(b)fluoranthene
Concen: 9.787 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	15.3	9.2	13.8

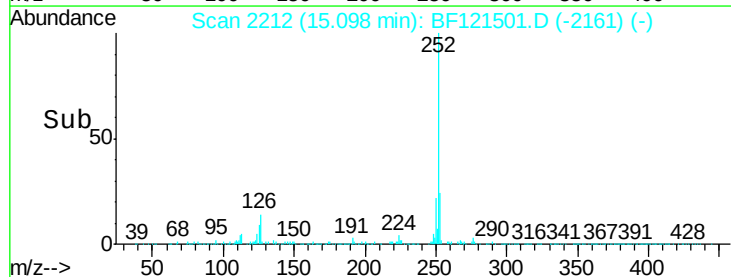
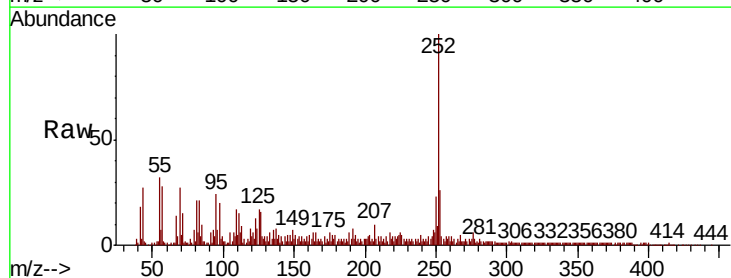
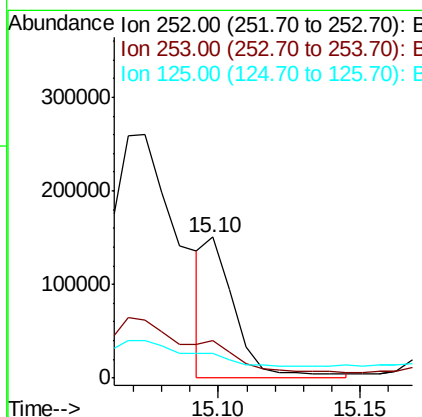
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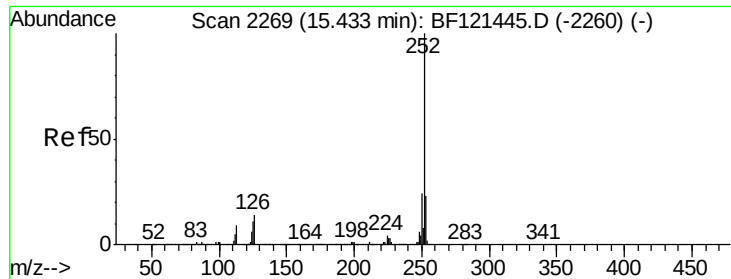
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#89
Benzo(k)fluoranthene
Concen: 2.682 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.3	27.5
125	17.3	8.5	12.7





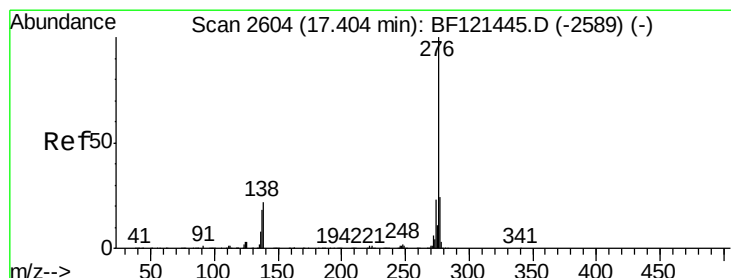
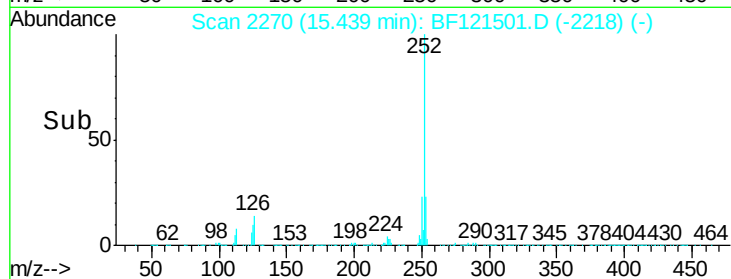
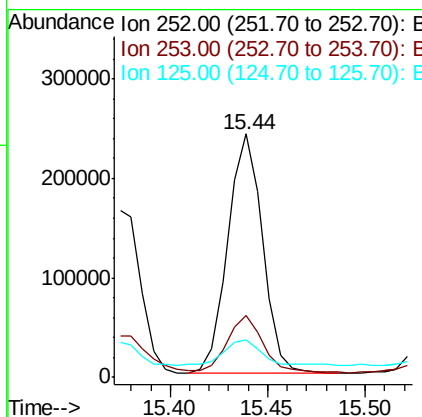
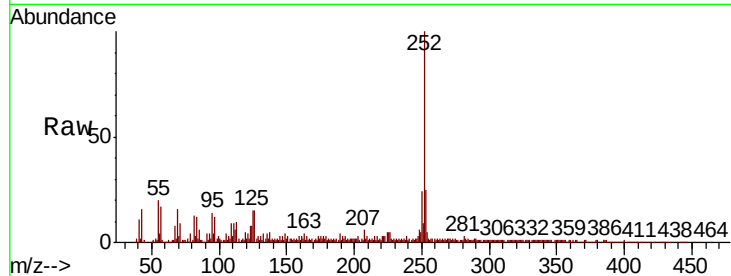
#90
Benzo(a)pyrene
Concen: 7.454 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-02-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	15.5	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 5.140 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.02 min
Lab File: BF121501.D
Acq: 1 Sep 2020 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	25.2	17.4	26.0

