

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121507.D
 Acq On : 1 Sep 2020 20:41
 Operator : JU/CG
 Sample : L3848-21 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-01-B

Manual Integrations
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Quant Time: Sep 02 02:27:18 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	6.86	152	273168	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1042234	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	510339	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	881485	20.00	ng	0.00
76) Chrysene-d12	14.03	240	643703	20.00	ng	0.00
86) Perylene-d12	15.52	264	722481	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	626367	38.47	ng	-0.01
7) Phenol-d6	6.47	99	807679	35.50	ng	-0.02
23) Nitrobenzene-d5	7.42	82	493055	32.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	206975	40.15	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	977298	30.90	ng	-0.01
79) Terphenyl-d14	12.97	244	818420	26.76	ng	0.00
Target Compounds						
49) Acenaphthylene	9.76	152	130340	2.745	ng	96
50) Dimethylphthalate	9.61	163	171650	4.897	ng	99
52) Acenaphthene	9.93	154	63173	2.107	ng	96
58) Fluorene	10.44	166	80130	2.441	ng	99
71) Phenanthrene	11.41	178	1267008	28.009	ng	98
72) Anthracene	11.46	178	358599	8.060	ng	95
75) Fluoranthene	12.60	202	2285173	46.873	ng	99
78) Pyrene	12.83	202	2265126	49.272	ng	99
81) Benzo(a)anthracene	14.02	228	1338298	34.058	ng	96
83) Chrysene	14.06	228	1172904	29.835	ng	97
87) Indeno(1,2,3-cd)pyrene	16.99	276	652471	14.678	ng	95
88) Benzo(b)fluoranthene	15.08	252	1547897m	32.936	ng	
89) Benzo(k)fluoranthene	15.10	252	502003m	11.484	ng	
90) Benzo(a)pyrene	15.45	252	1194193	28.258	ng	97
91) Dibenzo(a,h)anthracene	17.00	278	181362	4.984	ng	92
92) Benzo(g,h,i)perylene	17.43	276	582698	16.623	ng	97

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

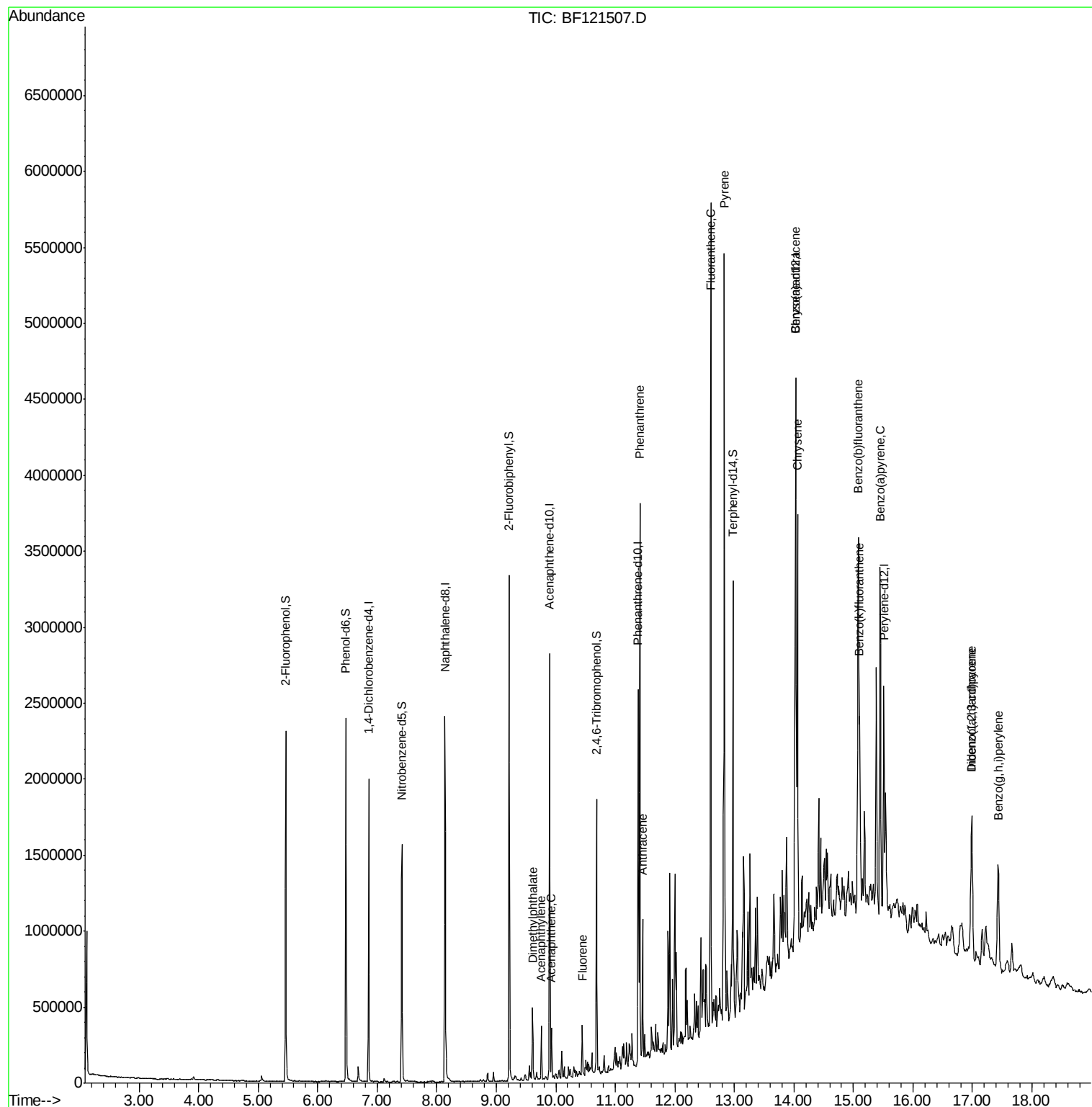
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
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ALS Vial : 14 Sample Multiplier: 1

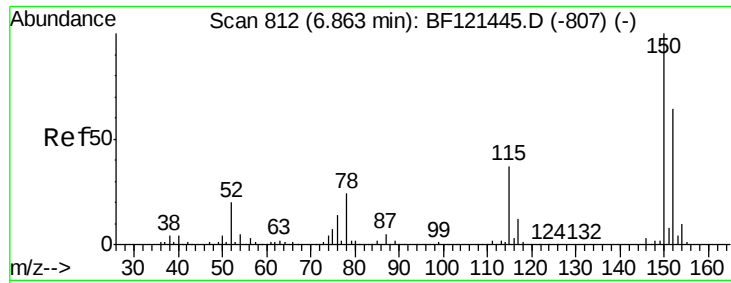
Instrument :
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LINDEN-BH-01-B

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#1

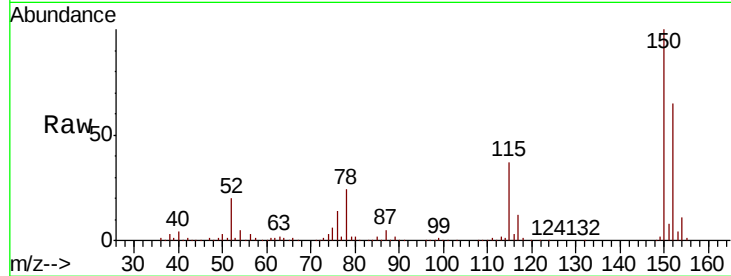
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.8	188.6
115	57.2	46.6	69.8

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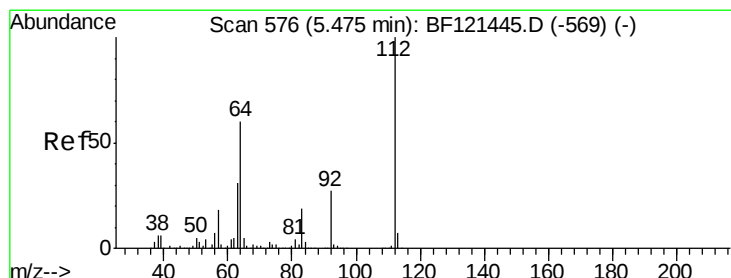
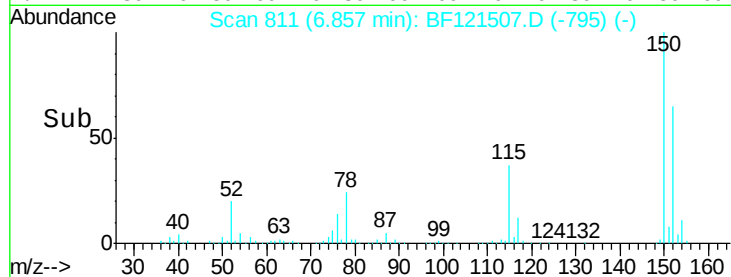
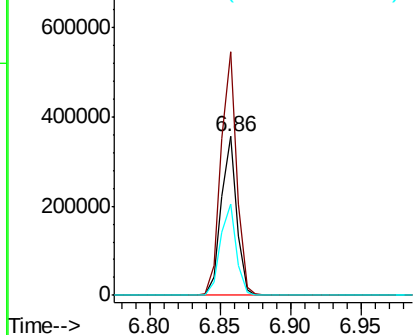


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

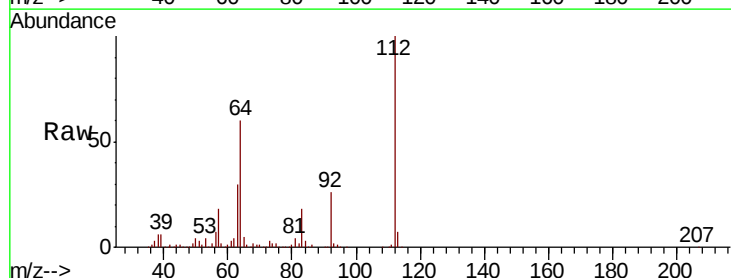
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.470 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.2	72.2
63	30.4	24.8	37.2

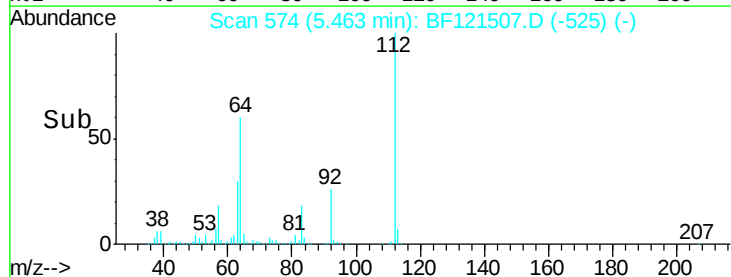
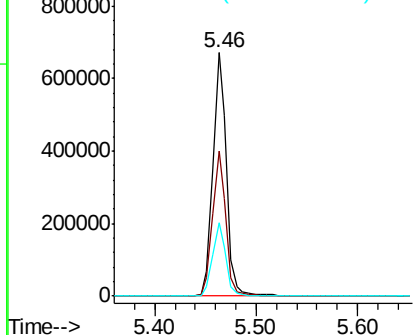


Abundance

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: 35.497 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121507.D

Acq: 1 Sep 2020 20:41

Instrument :

BNA_F

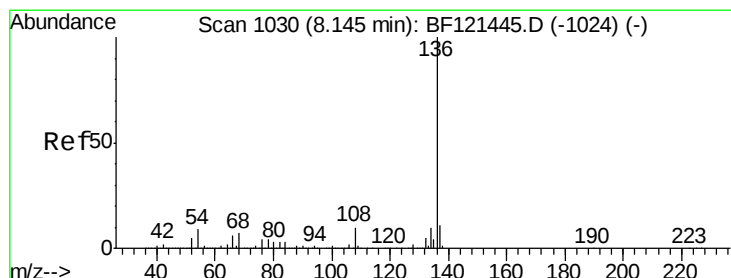
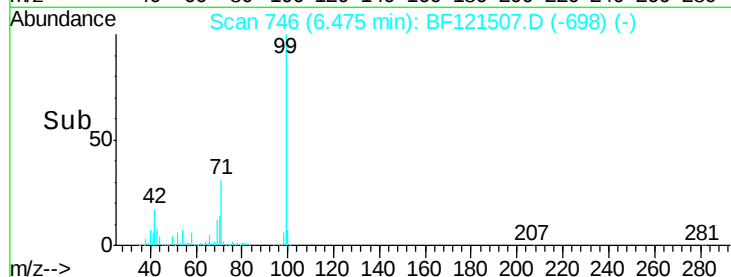
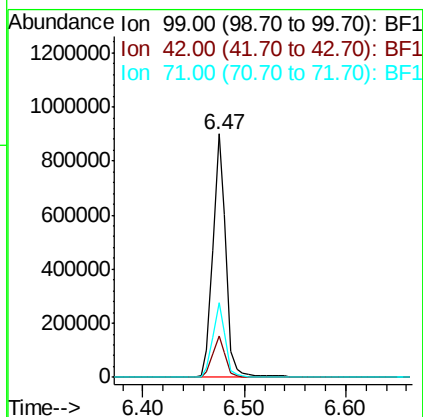
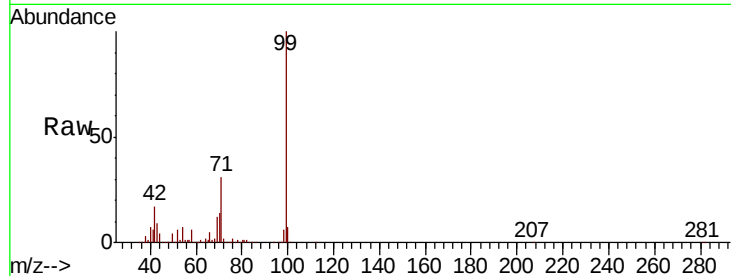
ClientSampleId :

LINDEN-BH-01-B

Tot Ion:	99	Resp:	807679
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	30.5	24.6	37.0

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#21

Naphthalene-d8

Concen: 20.000 ng

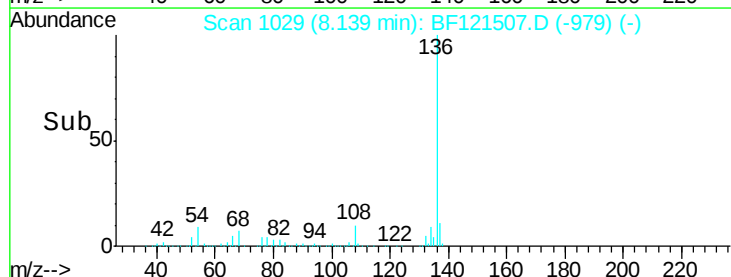
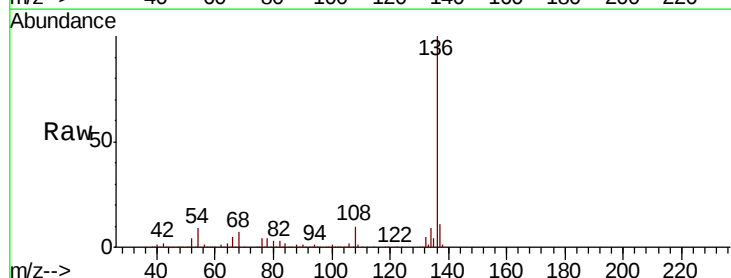
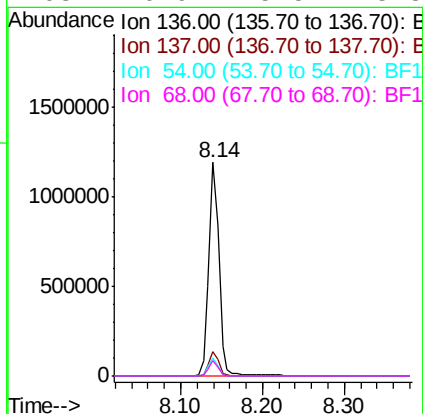
RT: 8.14 min Scan# 1029

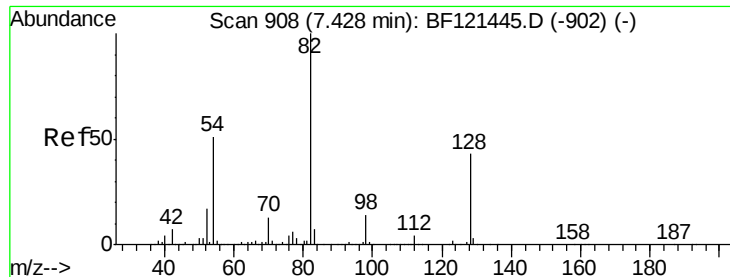
Delta R.T. -0.01 min

Lab File: BF121507.D

Acq: 1 Sep 2020 20:41

Tgt Ion:	136	Resp:	1042234
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	8.5	7.0	10.4
68	6.9	5.5	8.3





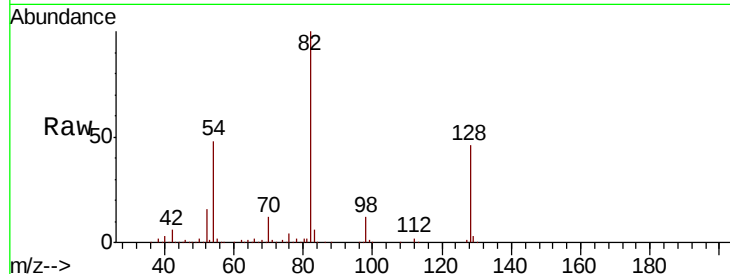
#23
Nitrobenzene-d5
Concen: 32.342 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

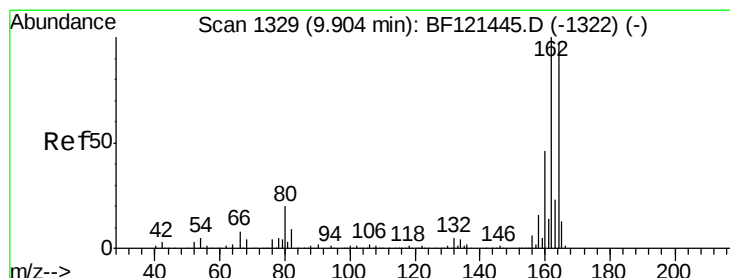
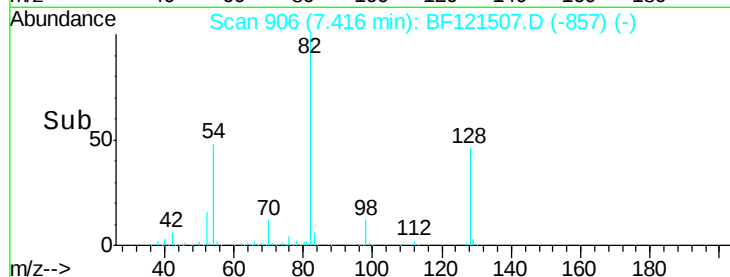
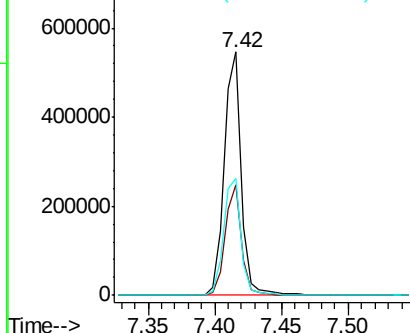
Tot Ion	Ratio	Resp	Lower	Upper
82	100	493055		
128	45.6		34.1	51.1
54	47.9		41.0	61.6

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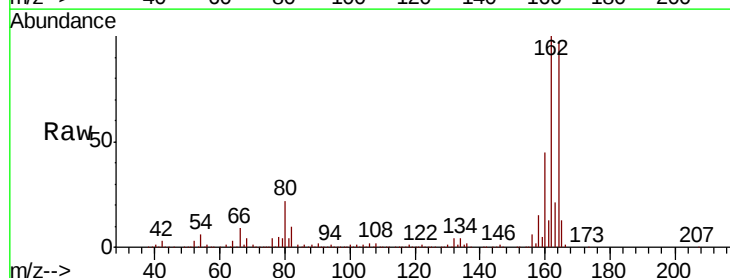


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

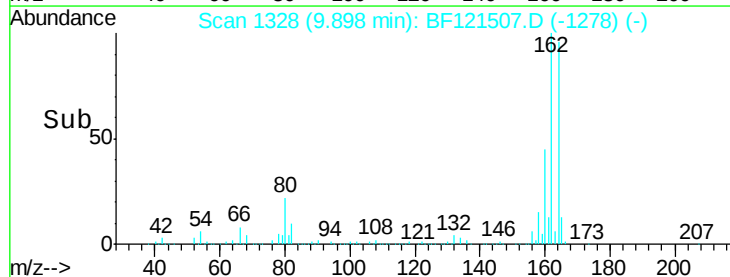
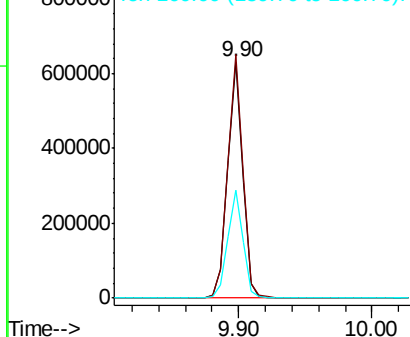


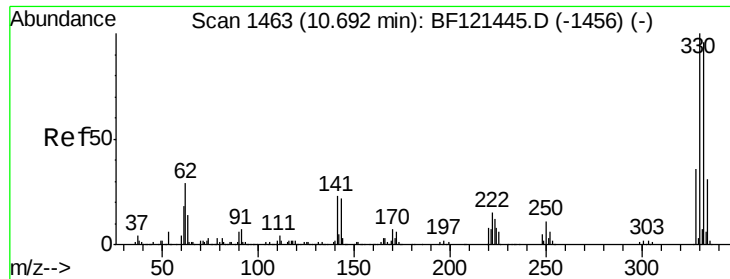
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	510339		
162	103.0		82.4	123.6
160	45.9		37.6	56.4



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: 40.153 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121507.D

Acq: 1 Sep 2020 20:41

Instrument :

BNA_F

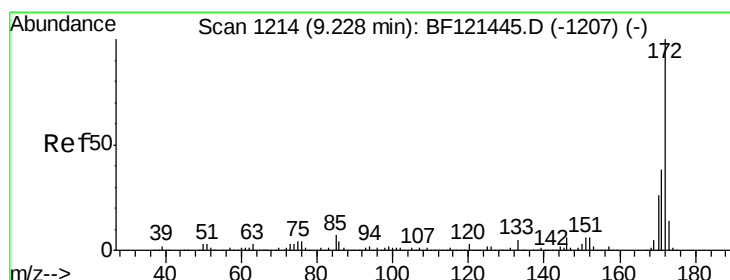
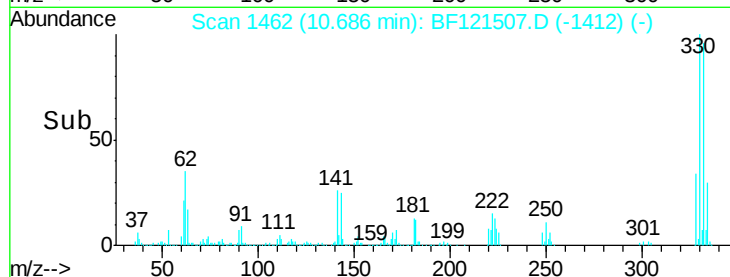
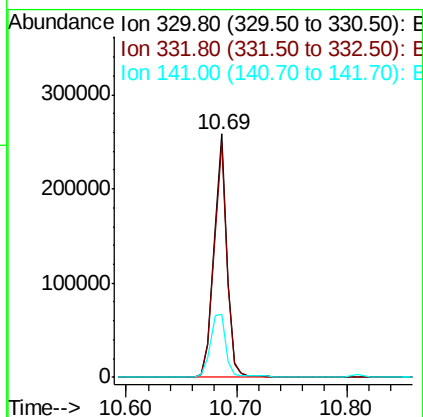
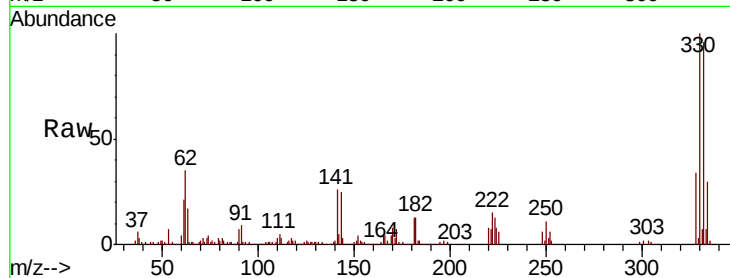
ClientSampleId :

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Tot Ion:	330	Resp:	206975
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.2	114.2
141	30.3	24.6	36.8

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#45

2-Fluorobiphenyl

Concen: 30.899 ng

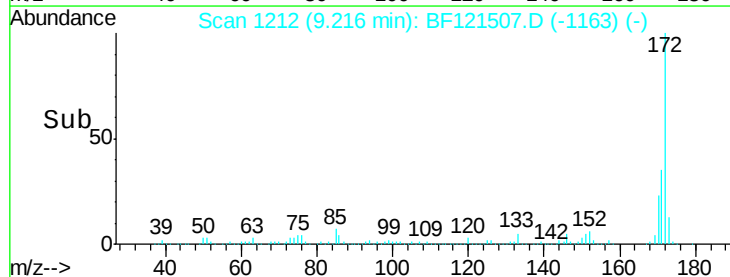
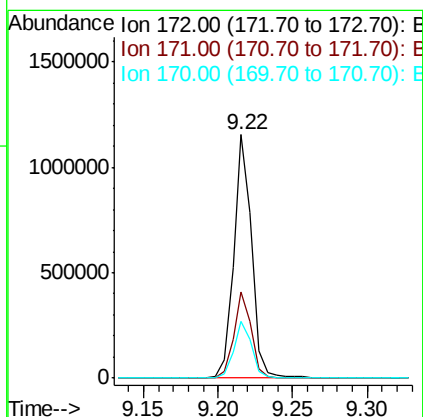
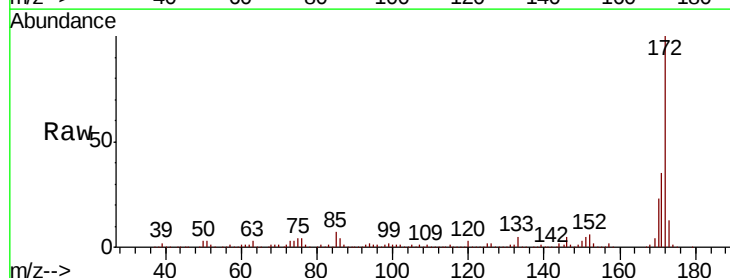
RT: 9.22 min Scan# 1212

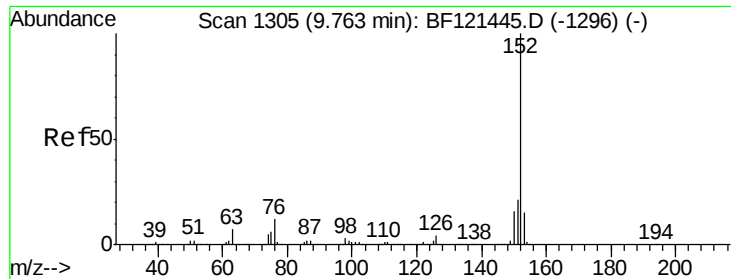
Delta R.T. -0.01 min

Lab File: BF121507.D

Acq: 1 Sep 2020 20:41

Tgt Ion:	172	Resp:	977298
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.6	45.8
170	23.3	20.6	31.0





#49

Acenaphthylene

Concen: 2.745 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF121507.D

Acq: 1 Sep 2020 20:41

Instrument :

BNA_F

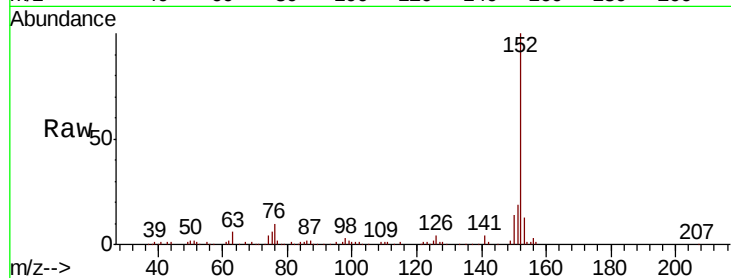
ClientSampleId :

LINDEN-BH-01-B

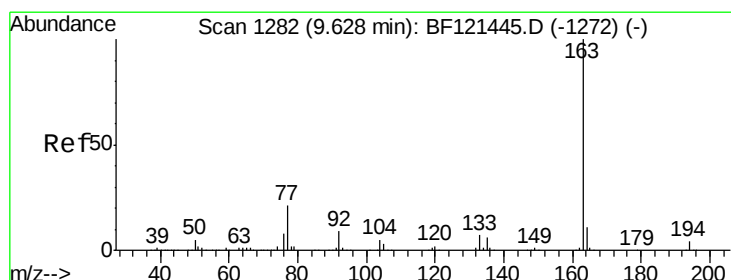
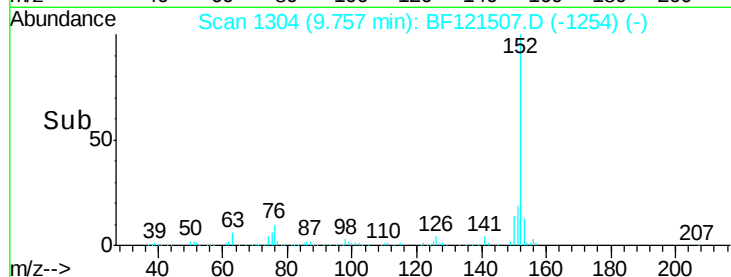
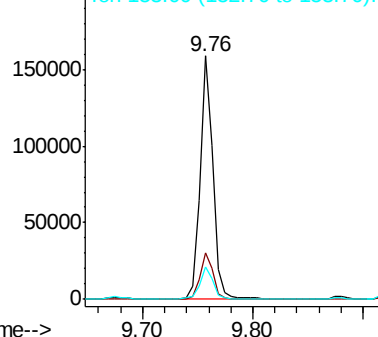
Tot Ion:	152	Resp:	130340
Ion Ratio	Lower	Upper	
152	100		
151	19.0	17.2	25.8
153	13.2	11.6	17.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.897 ng

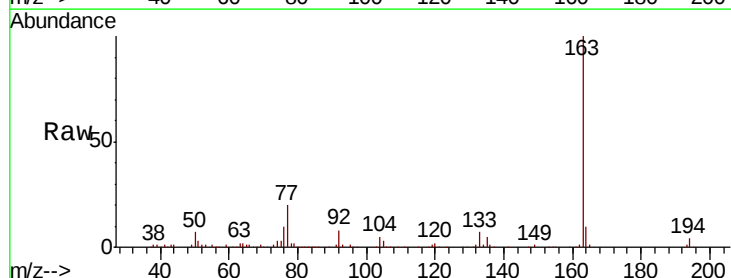
RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

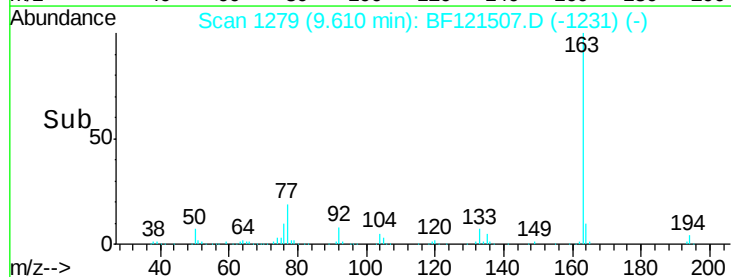
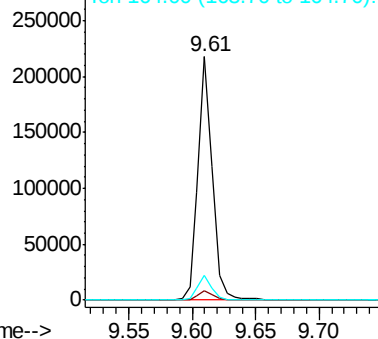
Lab File: BF121507.D

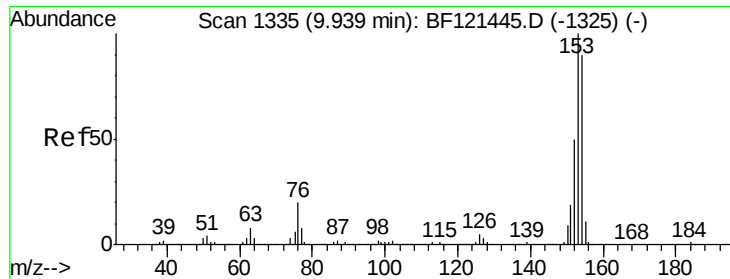
Acq: 1 Sep 2020 20:41

Tgt Ion:	163	Resp:	171650
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.1	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





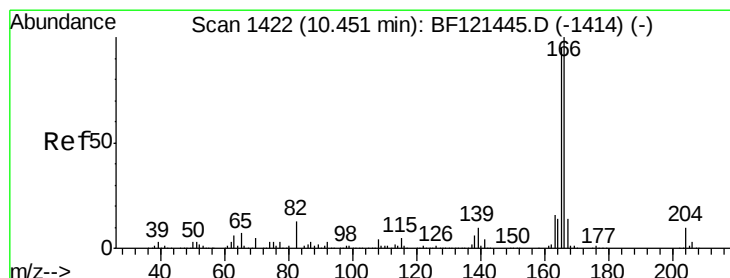
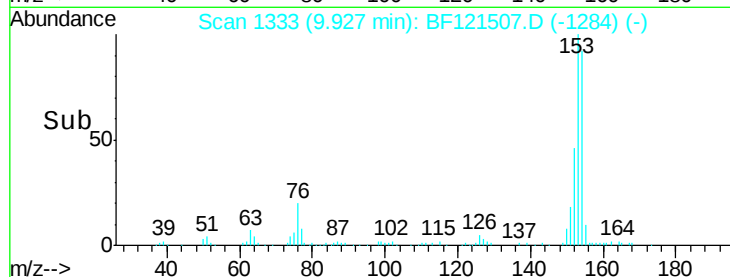
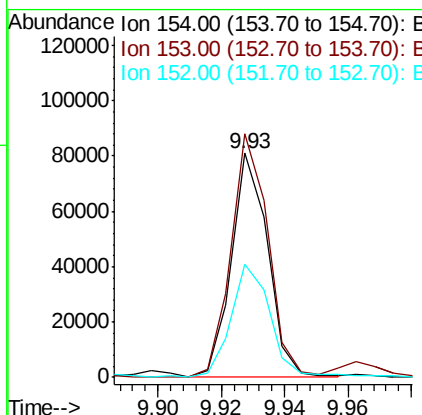
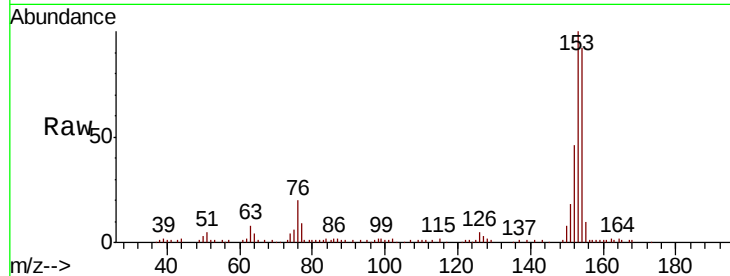
#52
Acenaphthene
Concen: 2.107 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.8	88.9	133.3
152	50.6	44.1	66.1

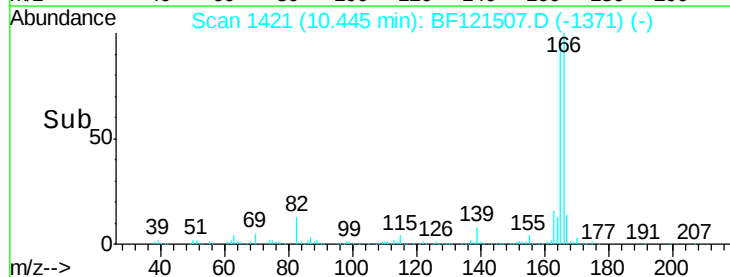
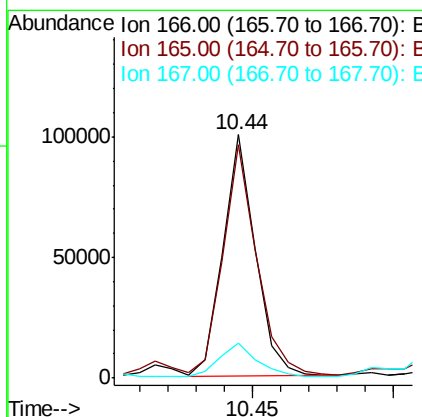
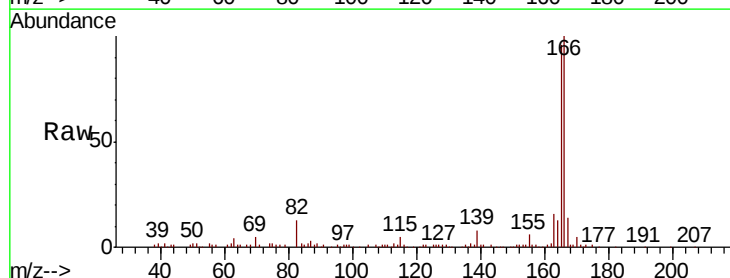
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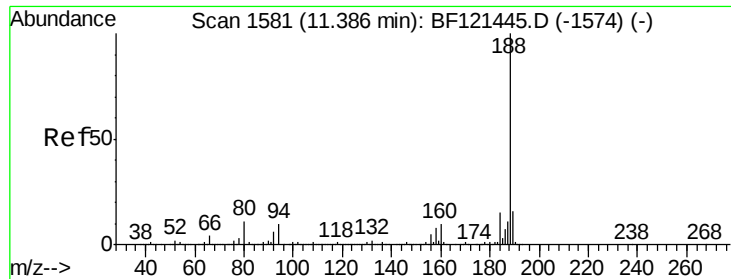
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#58
Fluorene
Concen: 2.441 ng
RT: 10.44 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	75.7	113.5
167	14.3	11.1	16.7





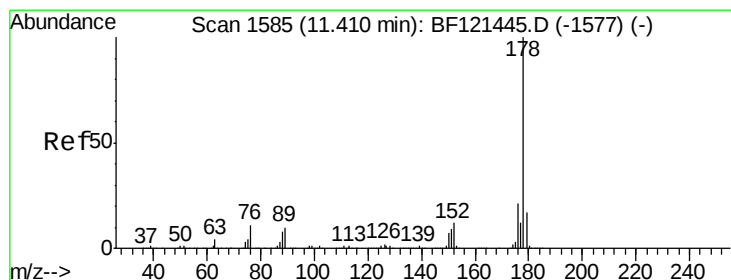
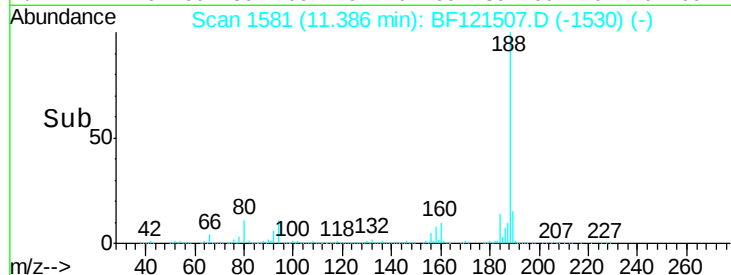
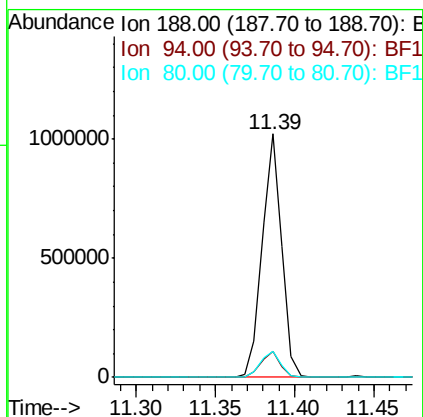
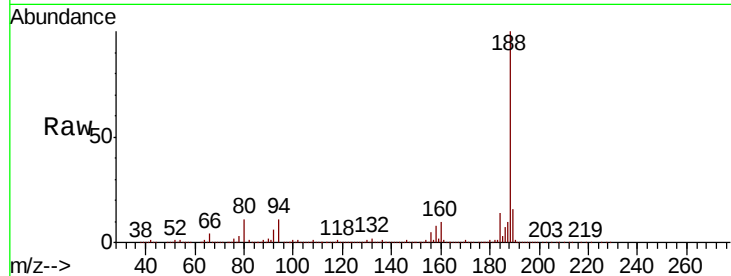
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	881485		
94	10.6		8.3	12.5
80	10.7		8.6	13.0

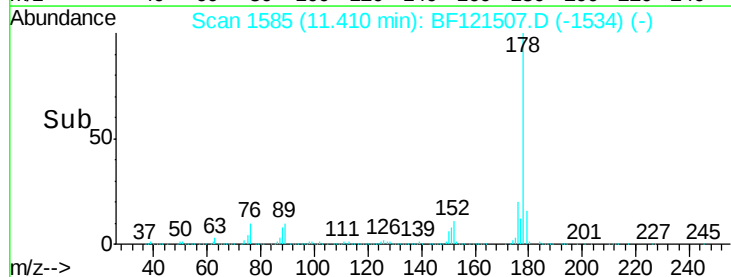
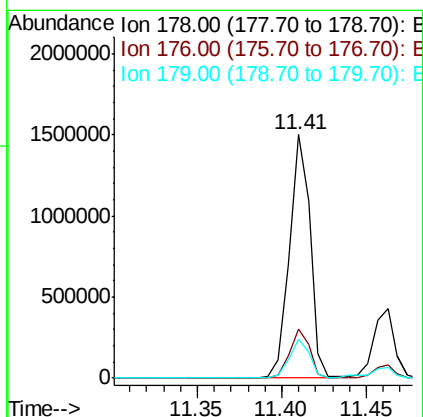
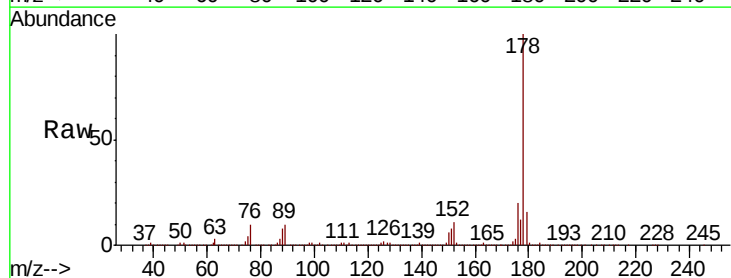
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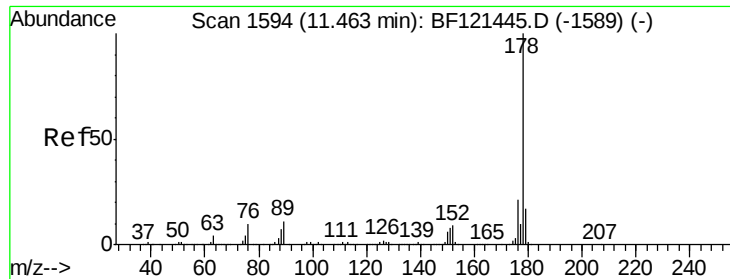
mohammad
9/2/2020 1:57:31 PM



#71
Phenanthrene
Concen: 28.009 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1267008		
176	20.0		16.9	25.3
179	16.0		13.4	20.0





#72

Anthracene

Concen: 8.060 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF121507.D

Acq: 1 Sep 2020 20:41

Instrument :

BNA_F

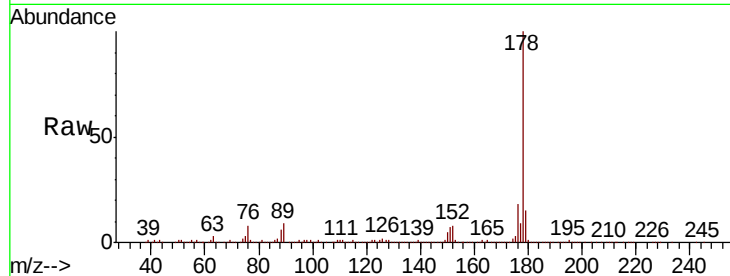
ClientSampleId :

LINDEN-BH-01-B

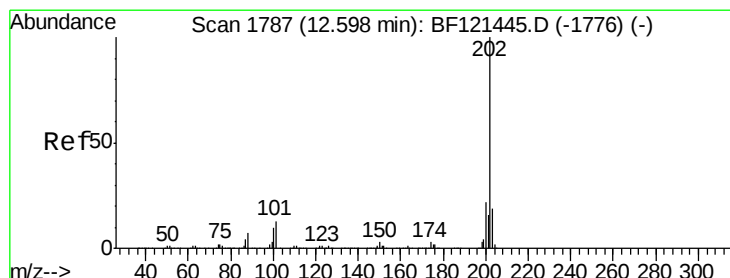
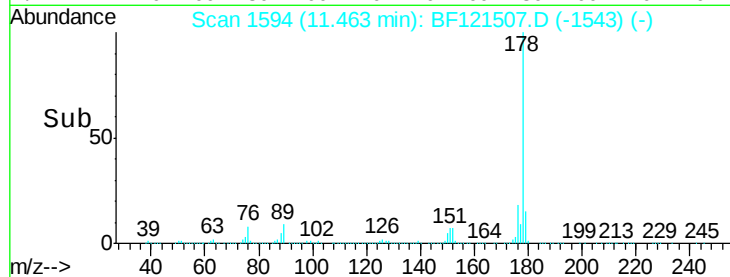
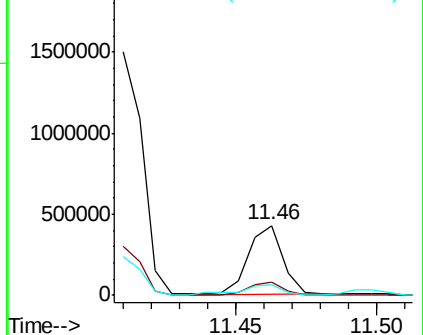
Tot Ion:	178	Resp:	358599
Ion Ratio	Lower	Upper	
178	100		
176	18.2	16.7	25.1
179	15.4	13.4	20.2

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Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 46.873 ng

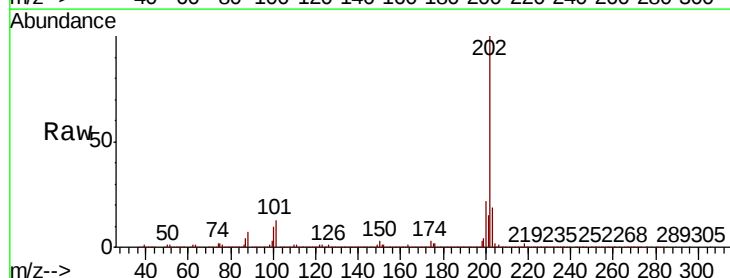
RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

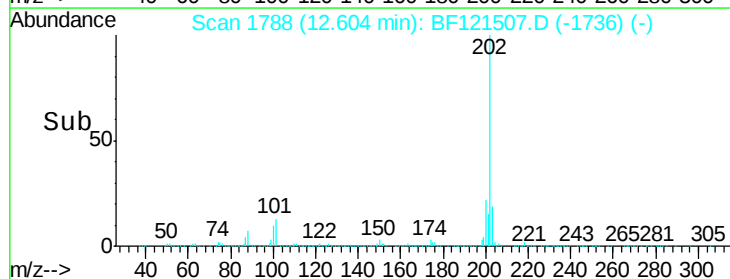
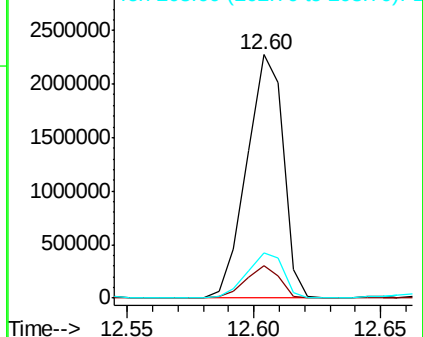
Lab File: BF121507.D

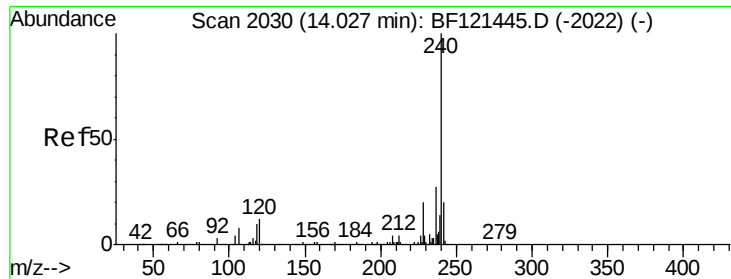
Acq: 1 Sep 2020 20:41

Tgt Ion:	202	Resp:	2285173
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.3
203	18.6	0.0	39.1



Abundance Ion 202.00 (201.70 to 202.70): E
3000000 Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





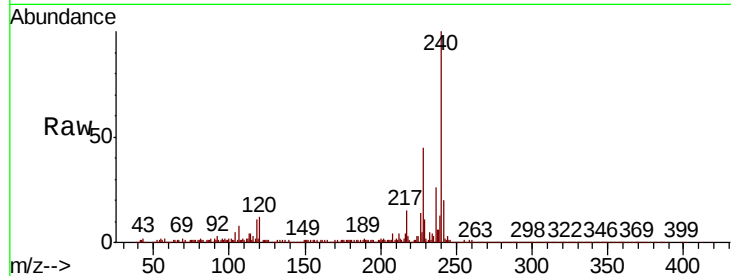
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	26.1	21.8	32.6

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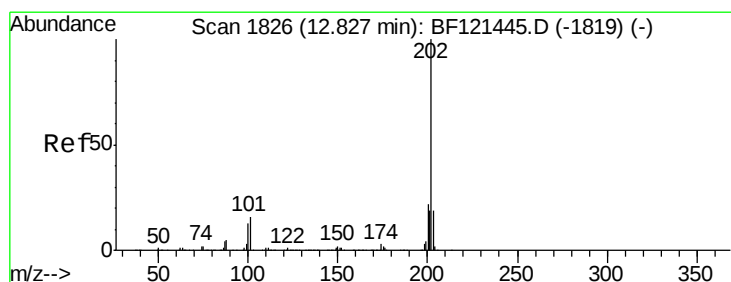
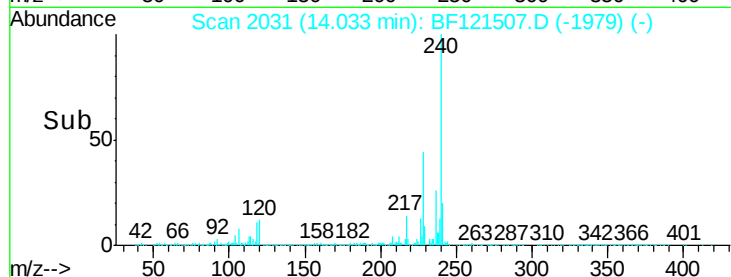
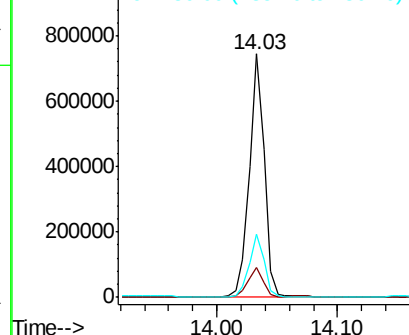


Abundance

Ion 240.00 (239.70 to 240.70): E

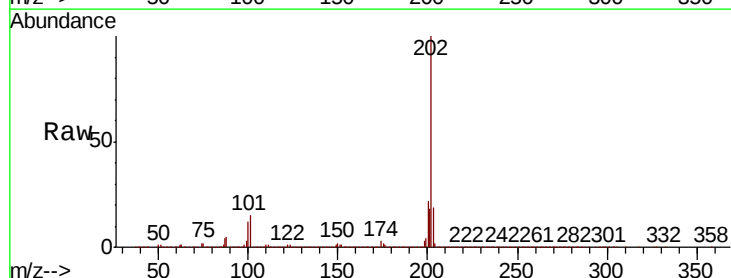
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 49.272 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.0	27.0
203	19.1	15.3	22.9

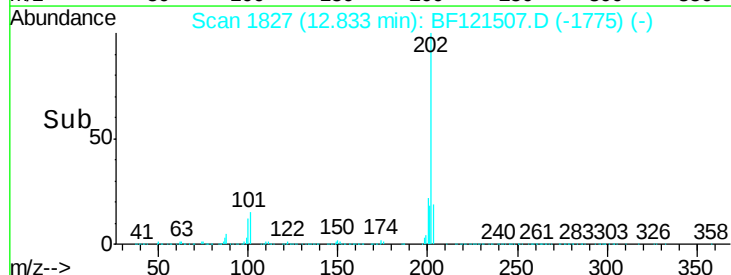
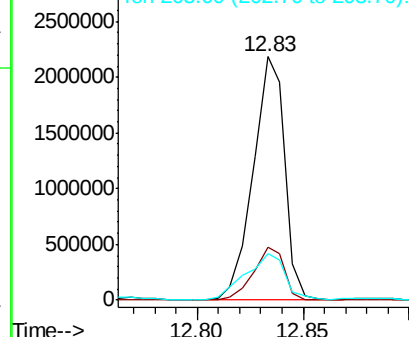


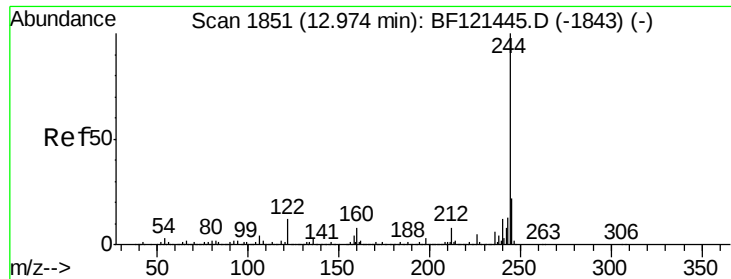
Abundance

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





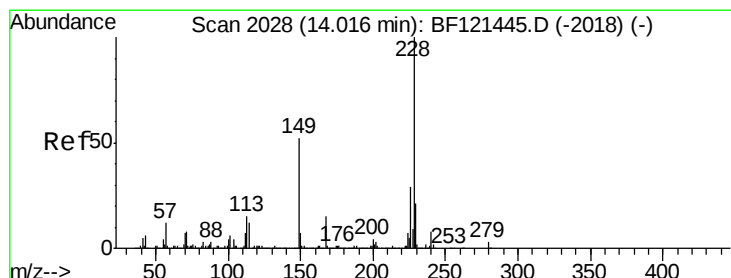
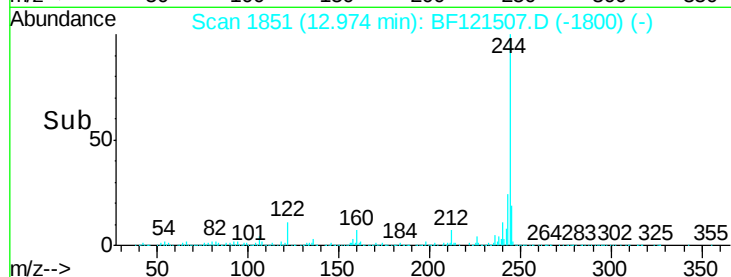
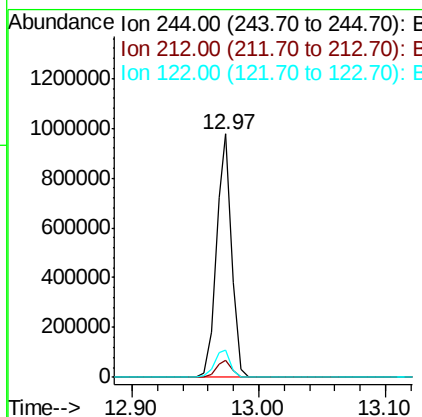
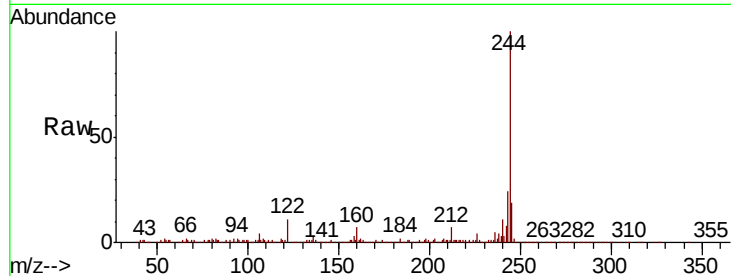
#79
 Terphenyl-d14
 Concen: 26.763 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF121507.D
 Acq: 1 Sep 2020 20:41

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	11.3	9.5	14.3

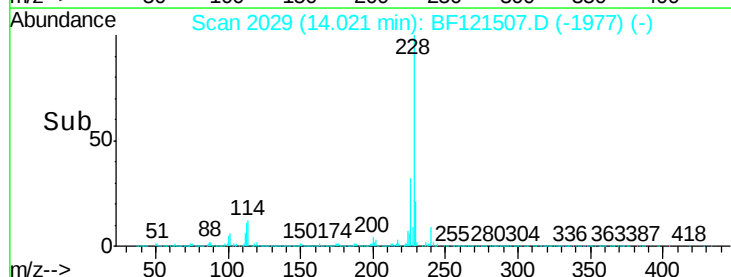
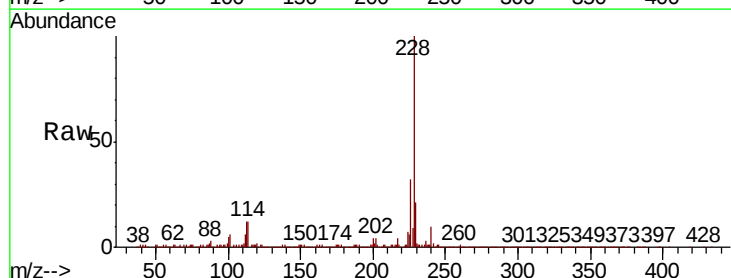
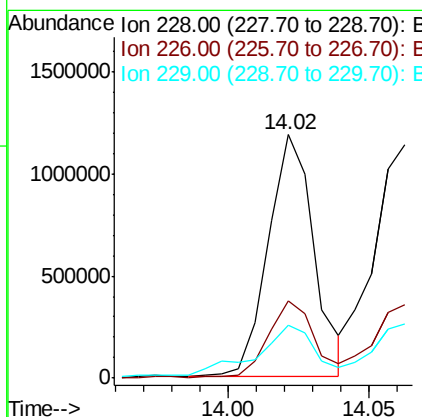
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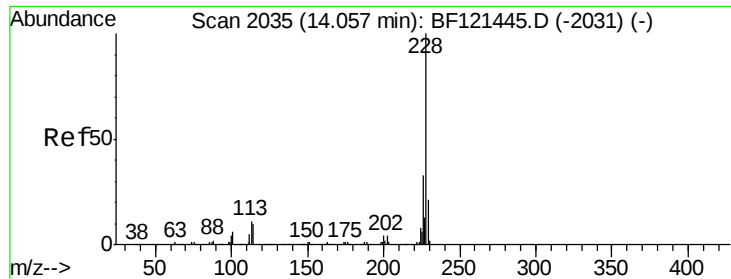
mohammad
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#81
 Benzo(a)anthracene
 Concen: 34.058 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF121507.D
 Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.0	34.4
229	21.5	16.6	24.8





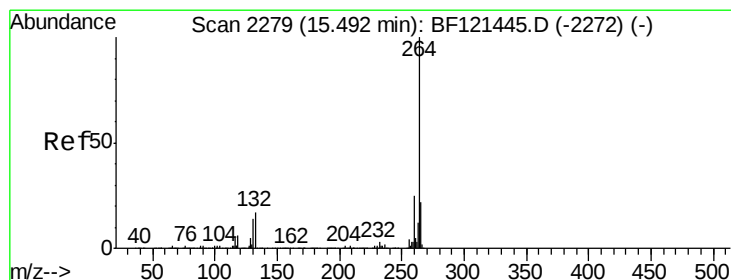
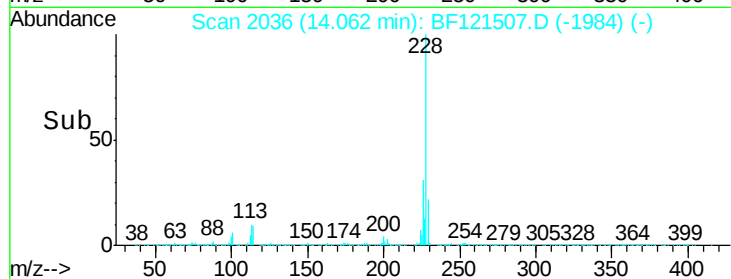
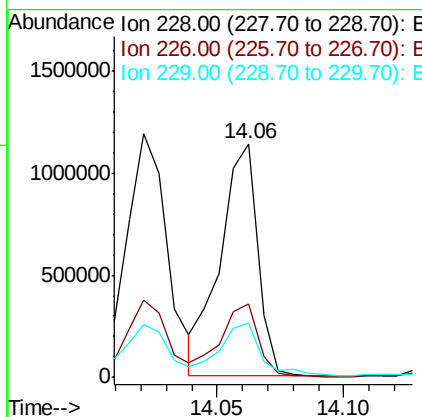
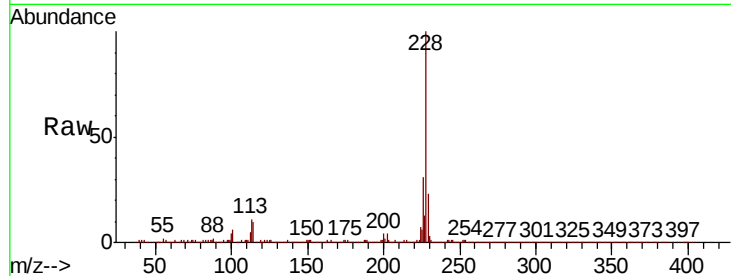
#83
Chrysene
Concen: 29.835 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

Tot Ion:228 Resp: 1172904
Ion Ratio Lower Upper
228 100
226 31.4 26.2 39.2
229 23.0 16.6 25.0

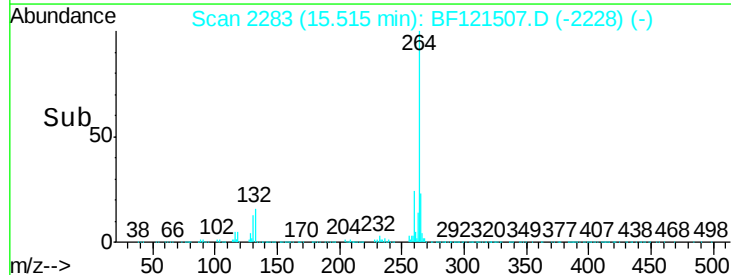
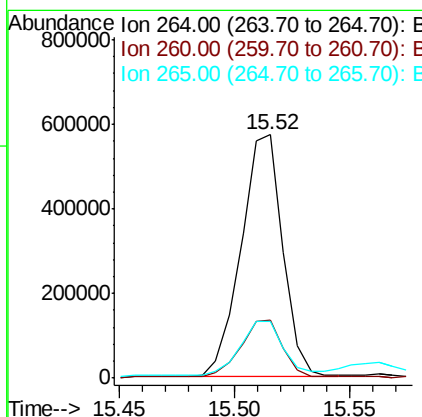
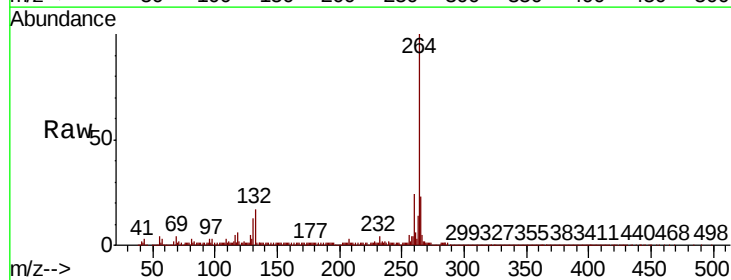
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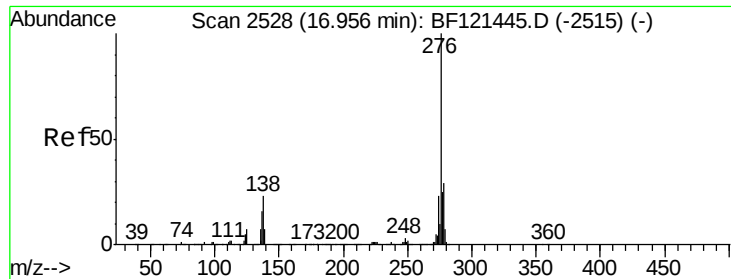
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.02 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion:264 Resp: 722481
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 23.2 17.8 26.6





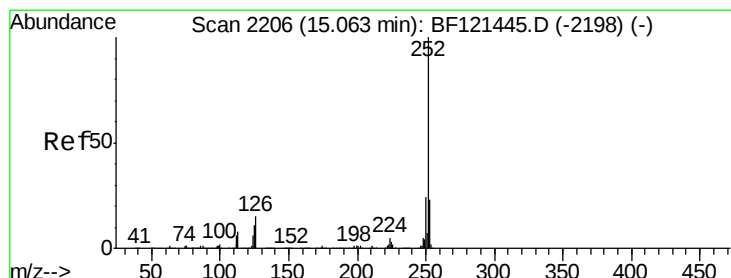
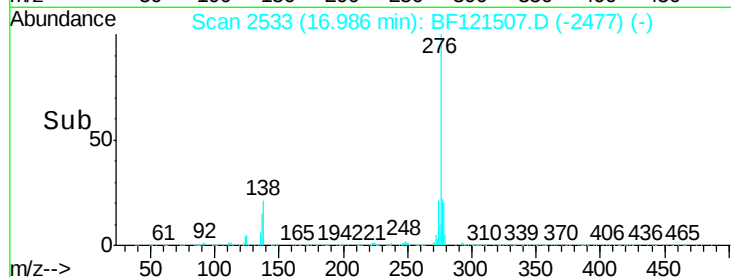
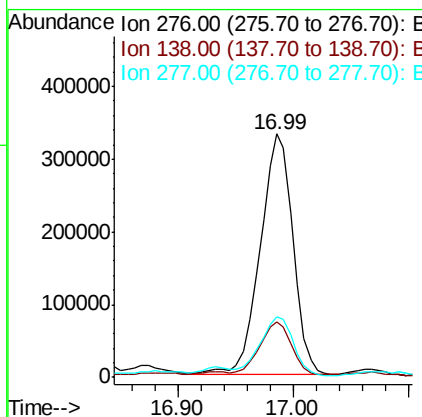
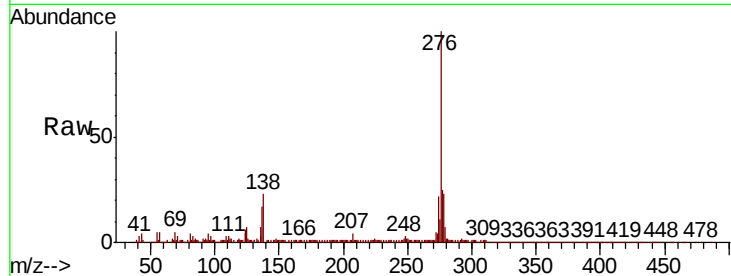
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.678 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. 0.03 min
 Lab File: BF121507.D
 Acq: 1 Sep 2020 20:41

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-01-B

Tot Ion:	276	Resp:	652471
Ion Ratio	Lower	Upper	
276	100		
138	21.4	20.6	31.0
277	24.8	20.5	30.7

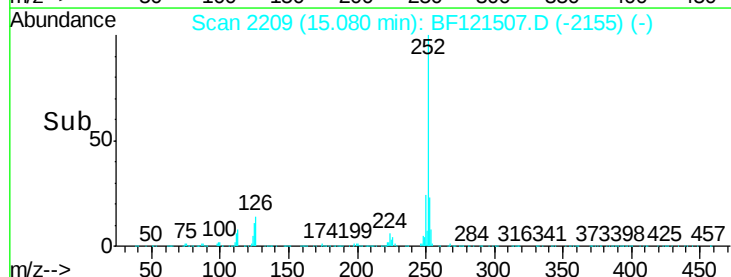
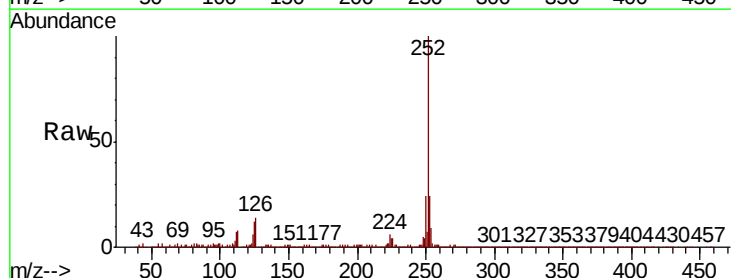
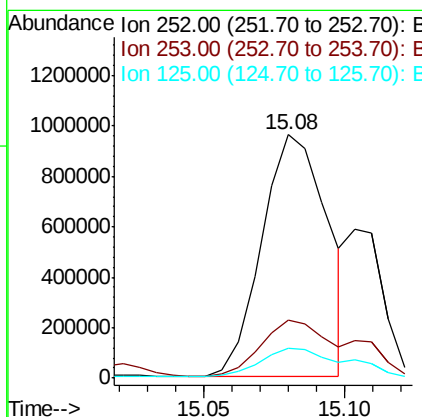
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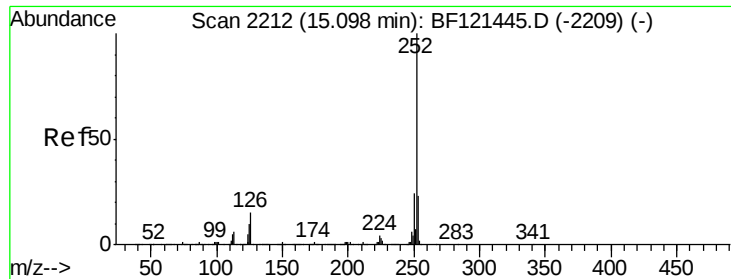
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 32.936 ng m
 RT: 15.08 min Scan# 2209
 Delta R.T. 0.02 min
 Lab File: BF121507.D
 Acq: 1 Sep 2020 20:41

Tgt Ion:	252	Resp:	1547897
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.3	27.5
125	12.1	9.2	13.8





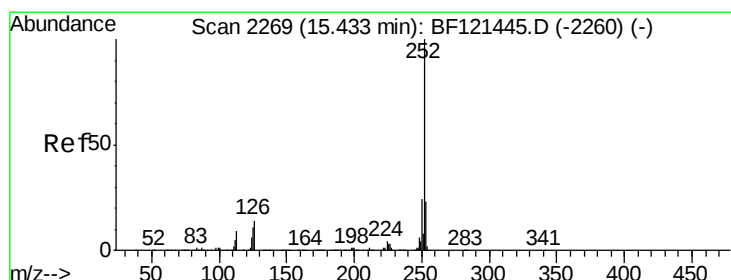
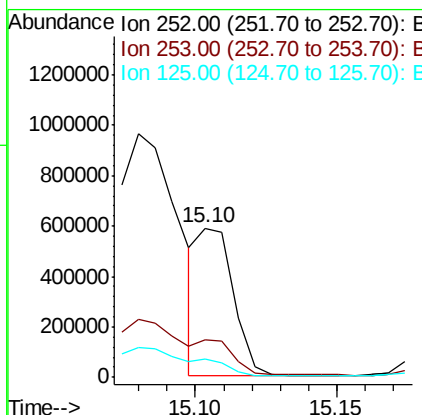
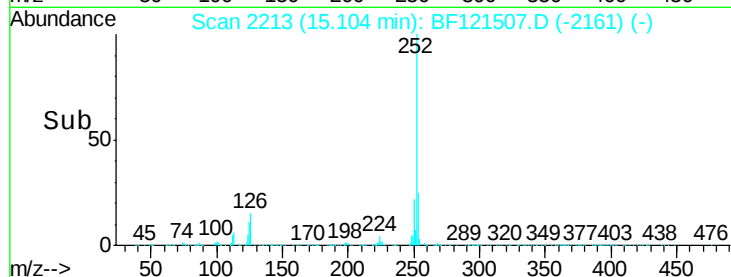
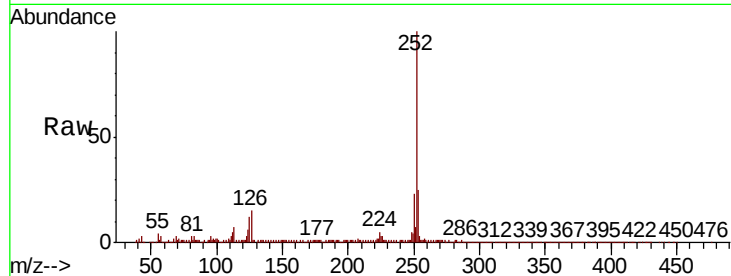
#89
Benzo(k)fluoranthene
Concen: 11.484 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.3	27.5
125	12.0	8.5	12.7

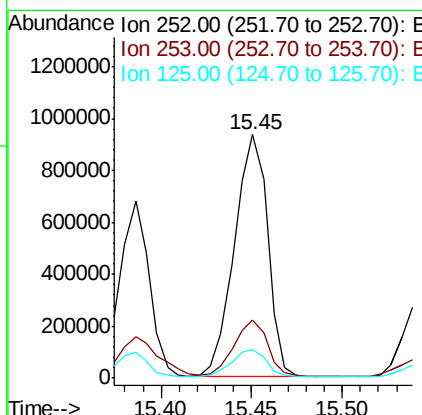
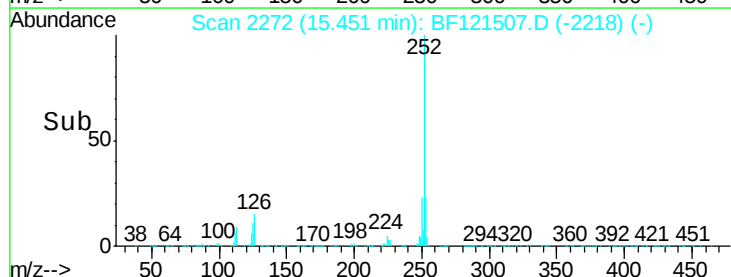
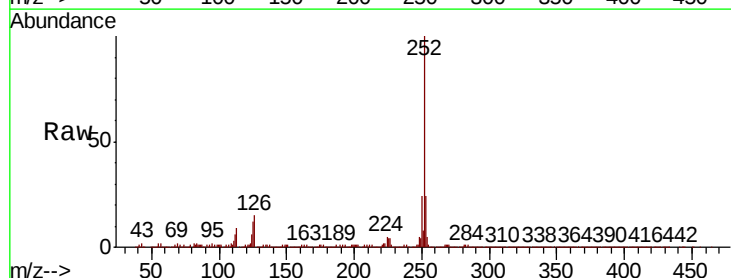
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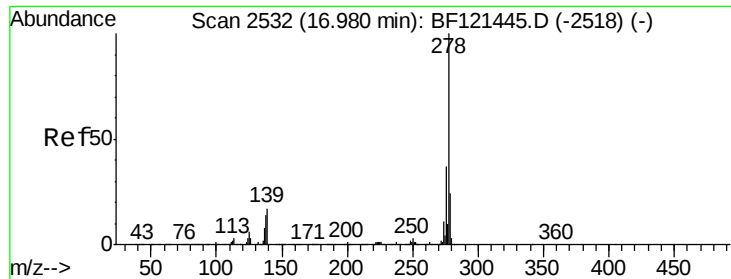
mohammad
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#90
Benzo(a)pyrene
Concen: 28.258 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	12.0	9.0	13.4





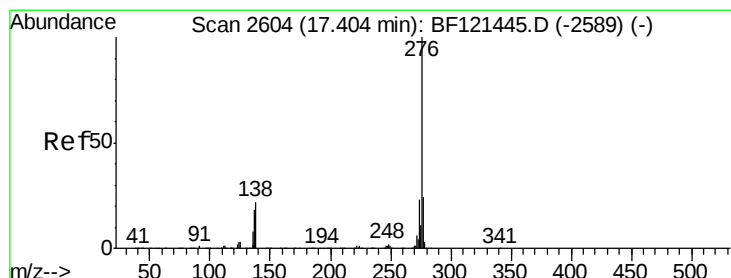
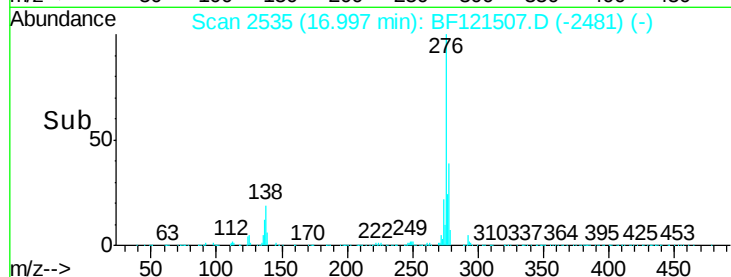
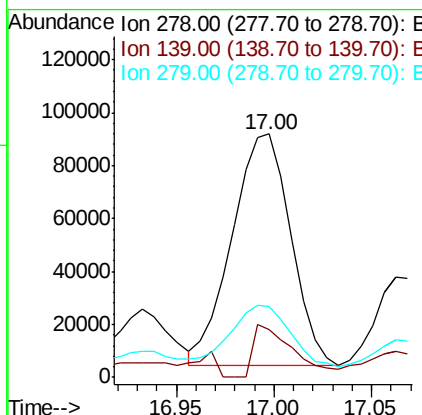
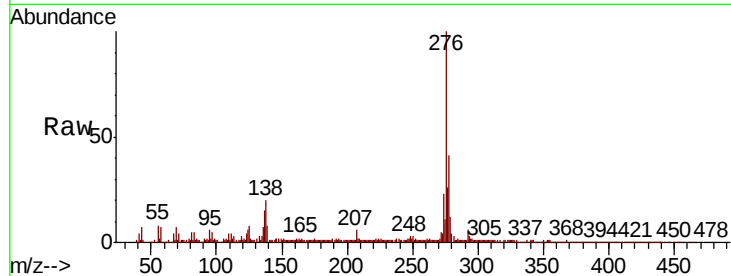
#91
Dibenzo(a,h)anthracene
Concen: 4.984 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-01-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.3	19.9
279	28.9	19.4	29.0

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#92
Benzo(g,h,i)perylene
Concen: 16.623 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.03 min
Lab File: BF121507.D
Acq: 1 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	23.3	17.4	26.0

