

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121487.D
 Acq On : 31 Aug 2020 20:03
 Operator : JU/CG
 Sample : L3847-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-C

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Quant Time: Sep 01 09:41:32 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	309101	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1113758	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	556238	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	914170	20.00	ng	0.00
76) Chrysene-d12	14.03	240	657007	20.00	ng	0.00
86) Perylene-d12	15.50	264	692493	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1100807	59.75	ng	0.00
7) Phenol-d6	6.48	99	1457257	56.60	ng	-0.01
23) Nitrobenzene-d5	7.42	82	904219	55.50	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	353046	62.84	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1610681	46.72	ng	0.00
79) Terphenyl-d14	12.97	244	1214450	38.91	ng	0.00
Target Compounds						
49) Acenaphthylene	9.76	152	281051	5.431	ng	97
50) Dimethylphthalate	9.61	163	97596	2.554	ng	98
71) Phenanthrene	11.41	178	1426935	30.416	ng	99
72) Anthracene	11.46	178	495853	10.746	ng	96
75) Fluoranthene	12.60	202	2545209	50.340	ng	99
78) Pyrene	12.83	202	2295823	48.928	ng	99
81) Benzo(a)anthracene	14.02	228	1385921	34.556	ng	95
83) Chrysene	14.06	228	1065122	26.545	ng	96
87) Indeno(1,2,3-cd)pyrene	16.96	276	457329	10.733	ng	97
88) Benzo(b)fluoranthene	15.07	252	1278368m	28.379	ng	
89) Benzo(k)fluoranthene	15.10	252	527829m	12.598	ng	
90) Benzo(a)pyrene	15.44	252	1018209	25.137	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	139966m	4.013	ng	
92) Benzo(g,h,i)perylene	17.41	276	374655	11.151	ng	99

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

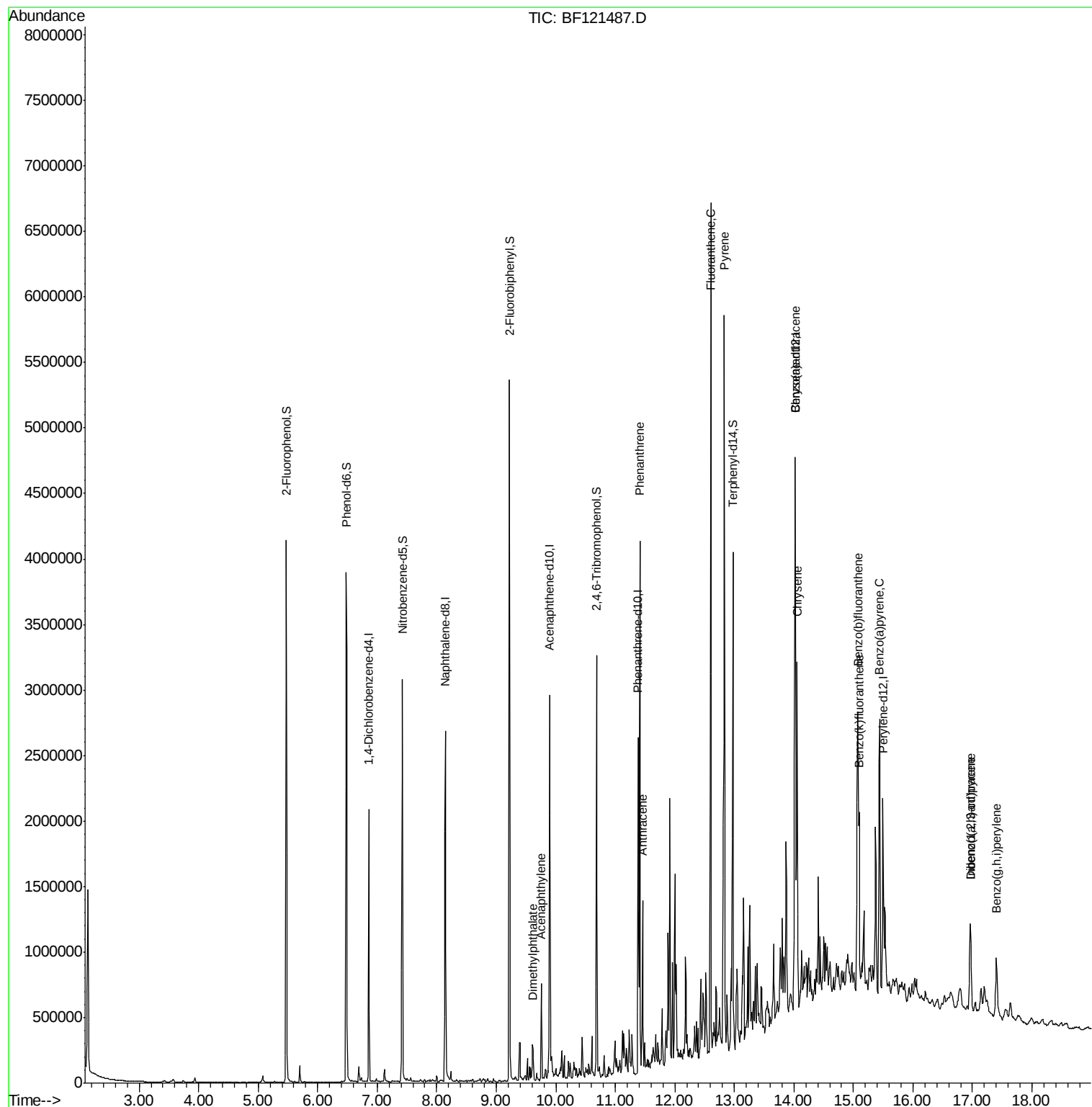
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
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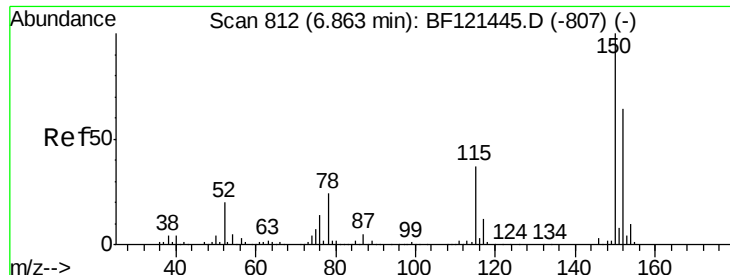
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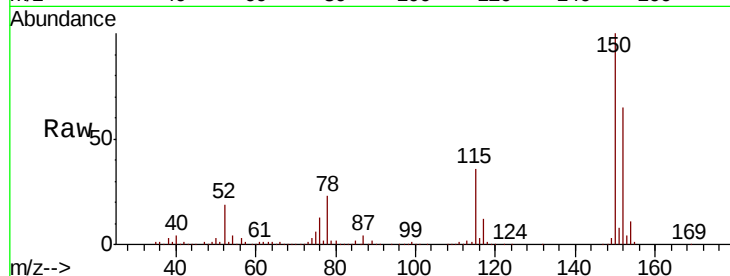
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Instrument :
 BNA_F
 ClientSampleId :
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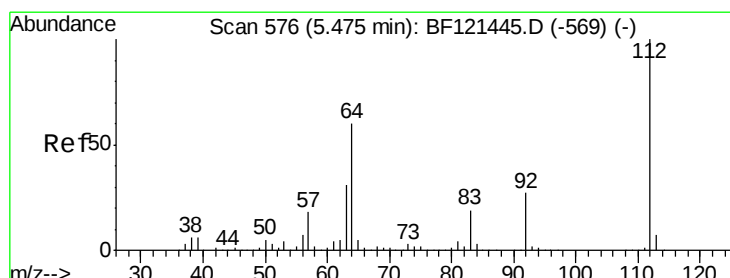
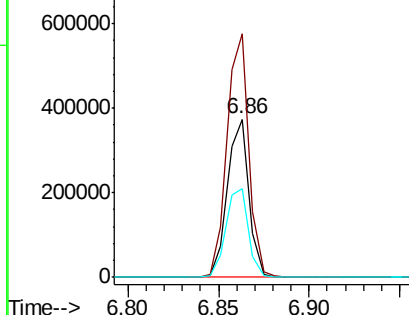
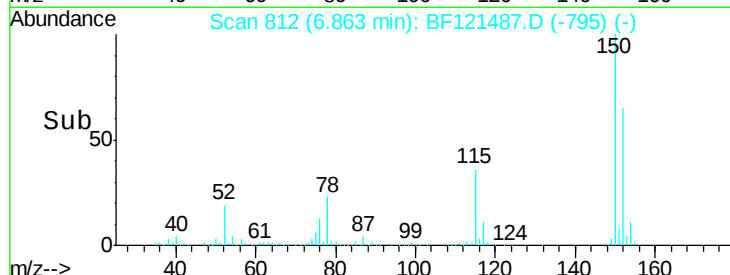
Tot Ion	152	Resp	309101
Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.8	188.6
115	55.8	46.6	69.8

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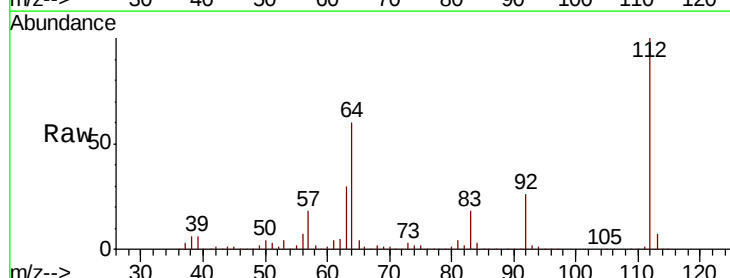


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

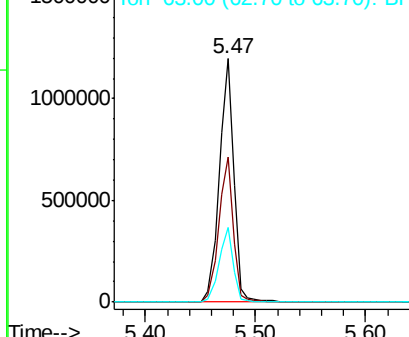
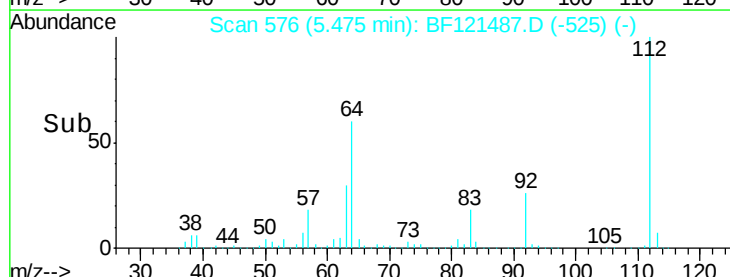


#5
 2-Fluorophenol
 Concen: 59.750 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Tgt Ion	112	Resp	1100807
Ion	Ratio	Lower	Upper
112	100		
64	59.5	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: 56.600 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-C

Tot Ion: 99 Resp: 1457257

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

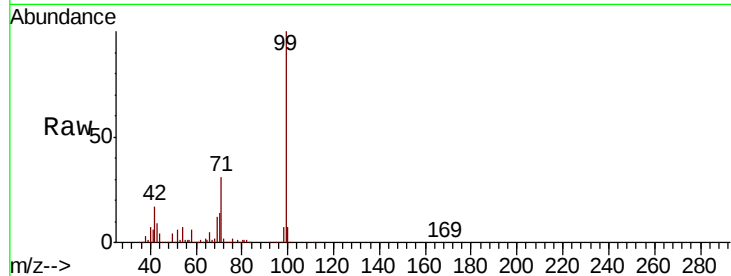
71 31.2 24.6 37.0

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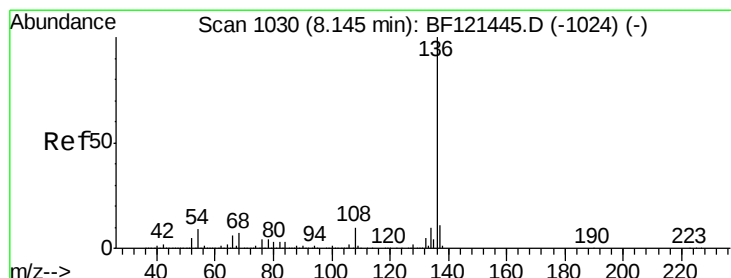
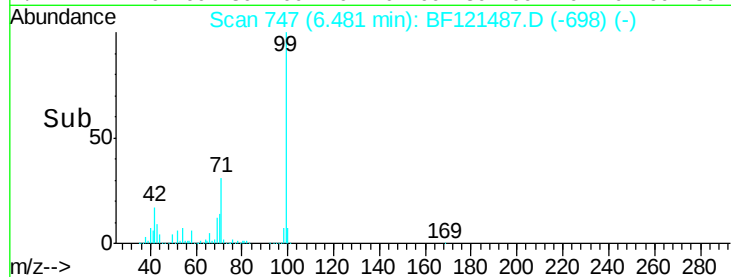
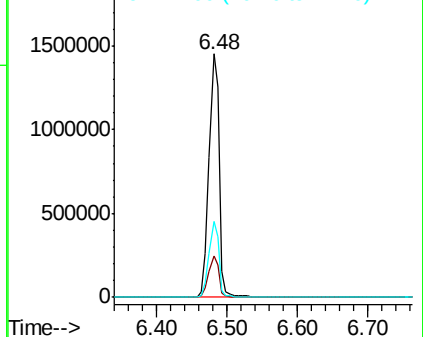
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000 Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Tgt Ion: 136 Resp: 1113758

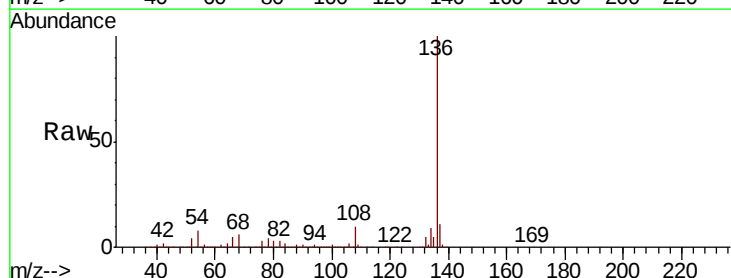
Ion Ratio Lower Upper

136 100

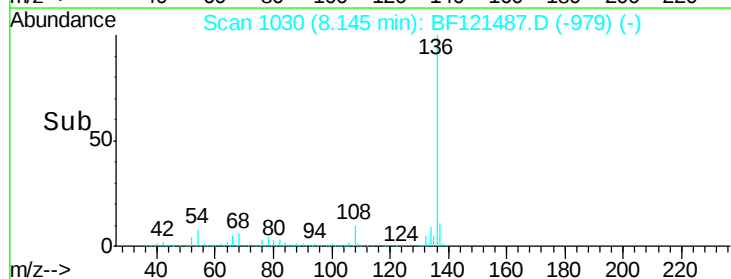
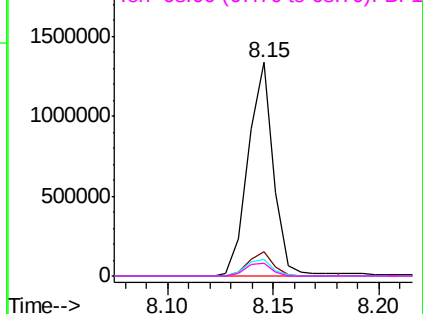
137 11.1 9.1 13.7

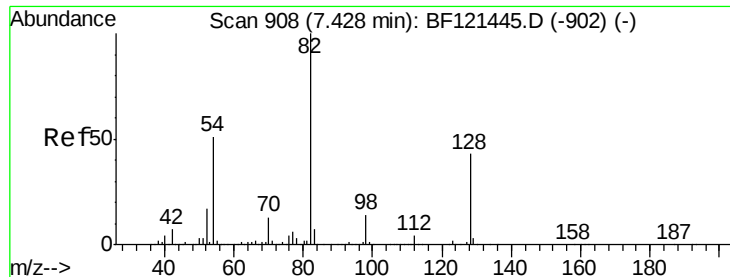
54 7.8 7.0 10.4

68 6.3 5.5 8.3



Abundance Ion 136.00 (135.70 to 136.70): E
2000000 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





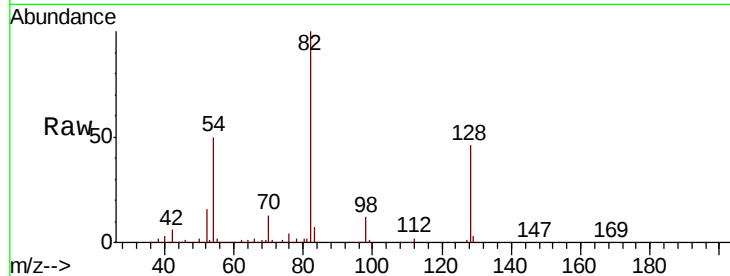
#23
 Nitrobenzene-d5
 Concen: 55.503 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Instrument :
 BNA_F
 ClientSampleId :
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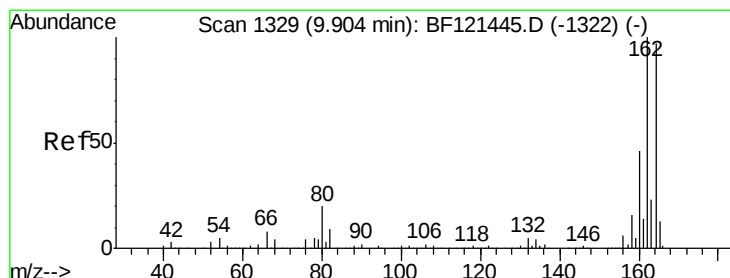
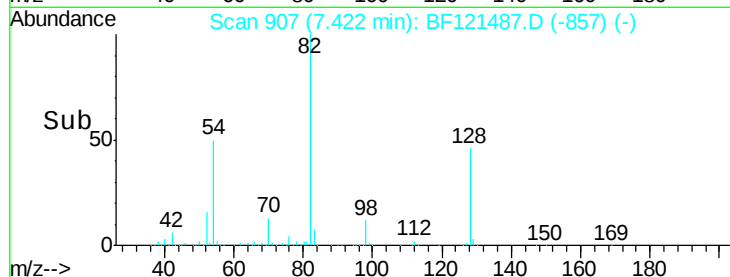
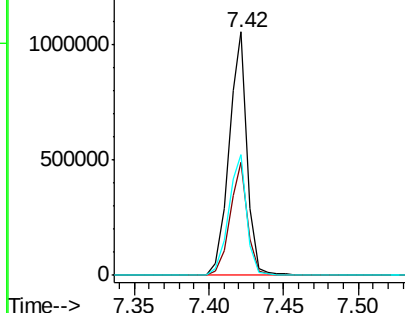
Tot Ion:	82	Resp:	904219
Ion Ratio	Lower	Upper	
82	100		
128	46.3	34.1	51.1
54	49.7	41.0	61.6

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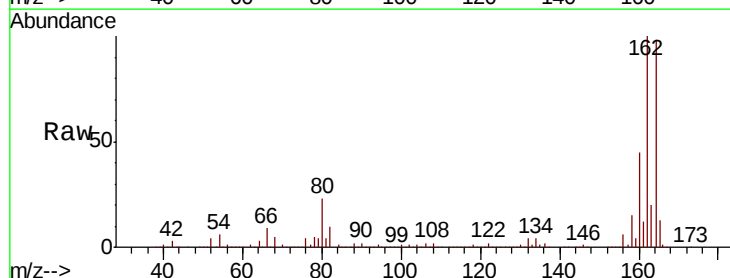


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

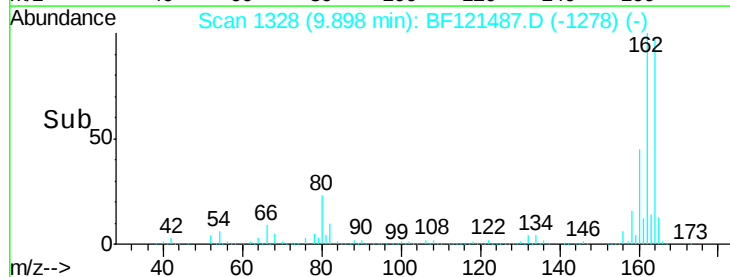
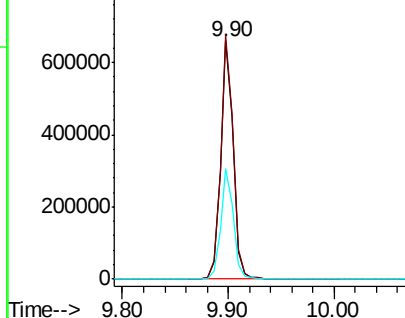


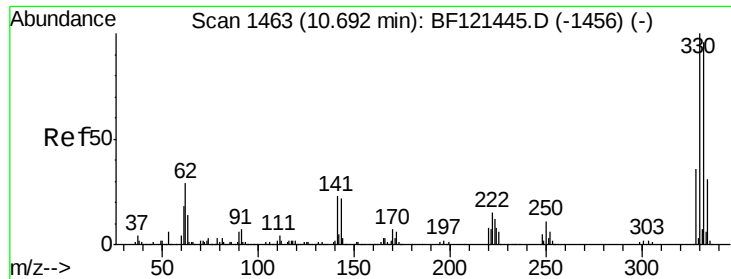
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Tgt Ion:	164	Resp:	556238
Ion Ratio	Lower	Upper	
164	100		
162	102.3	82.4	123.6
160	46.4	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





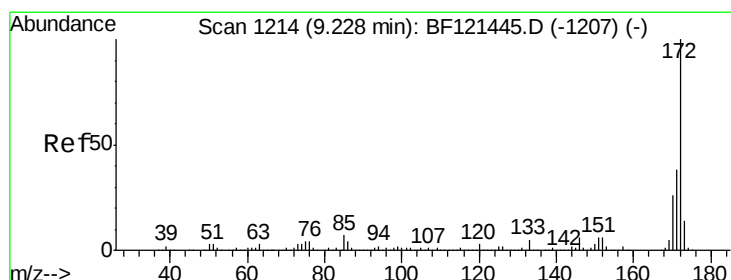
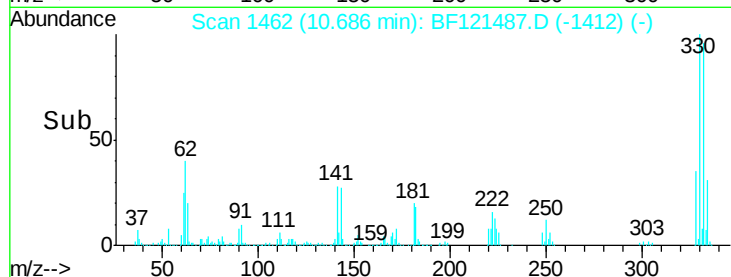
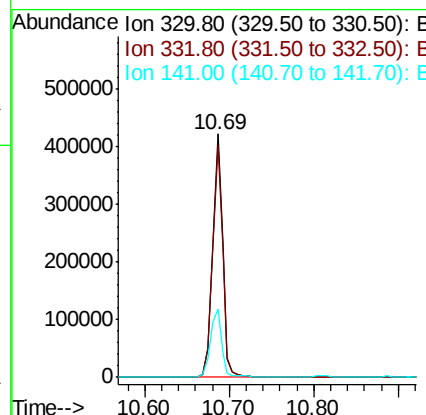
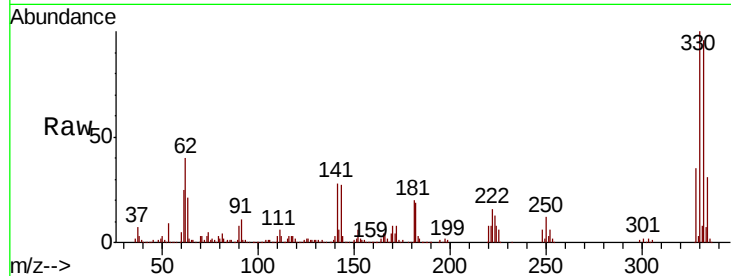
#42
 2,4,6-Tribromophenol
 Concen: 62.839 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	353046		
332	96.5		76.2	114.2
141	30.1		24.6	36.8

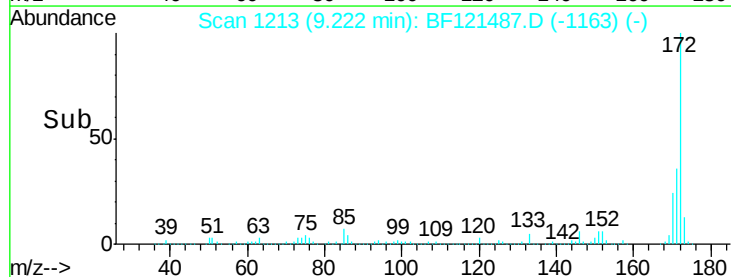
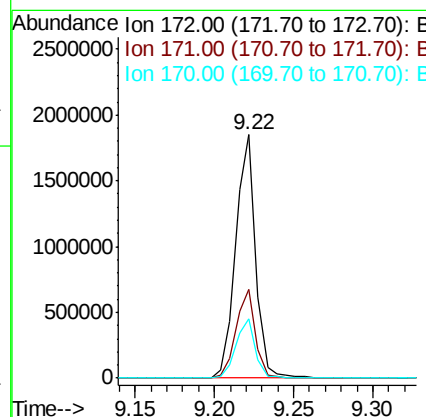
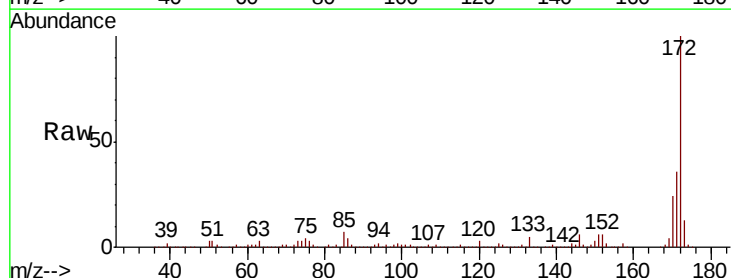
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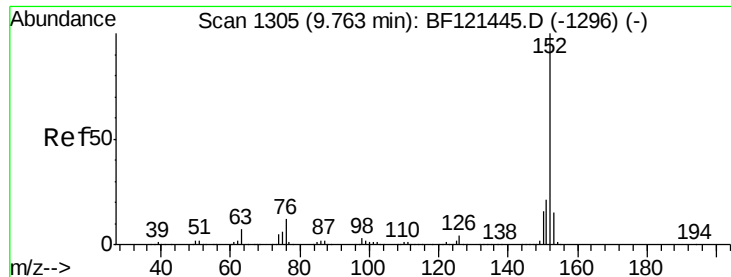
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#45
 2-Fluorobiphenyl
 Concen: 46.722 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1610681		
171	36.4		30.6	45.8
170	24.5		20.6	31.0





#49

Acenaphthylene

Concen: 5.431 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Instrument :

BNA_F

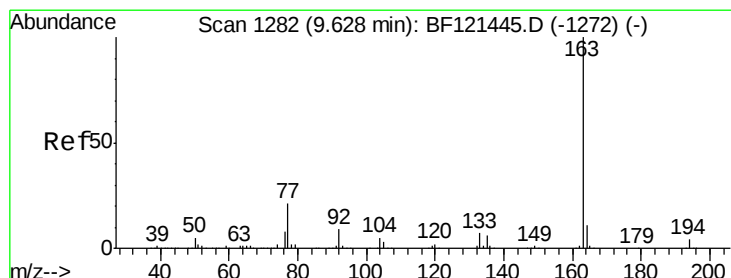
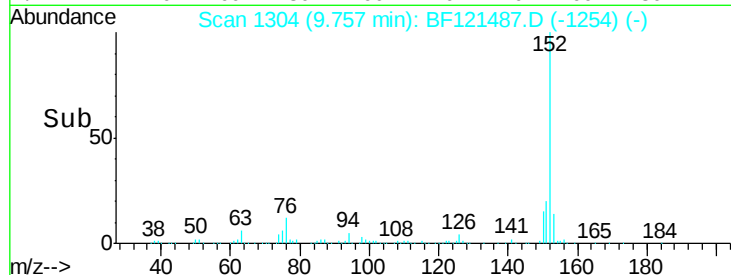
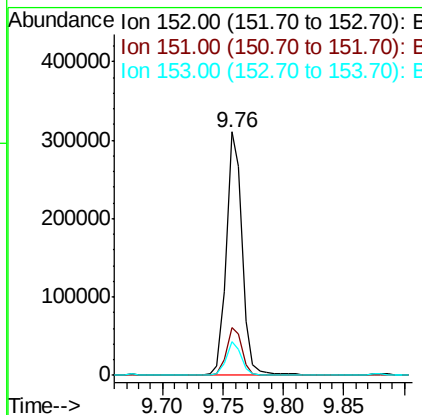
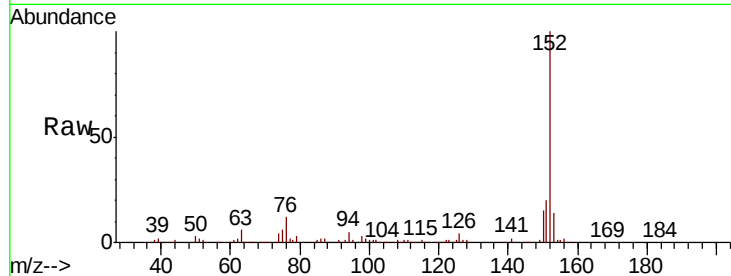
ClientSampleId :

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Tot Ion:	152	Resp:	281051
Ion Ratio	Lower	Upper	
152	100		
151	19.8	17.2	25.8
153	13.8	11.6	17.4

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#50

Dimethylphthalate

Concen: 2.554 ng

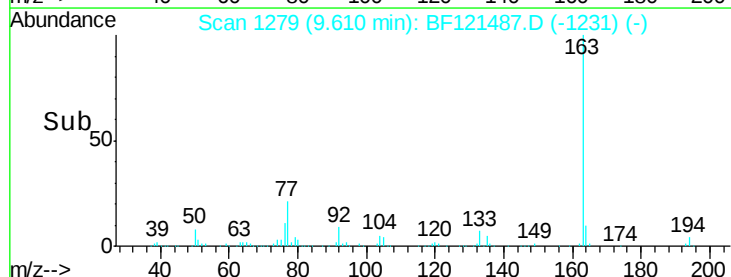
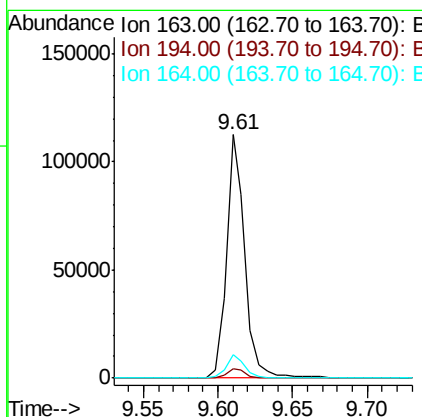
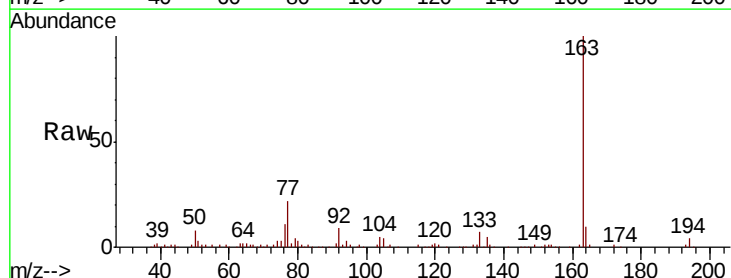
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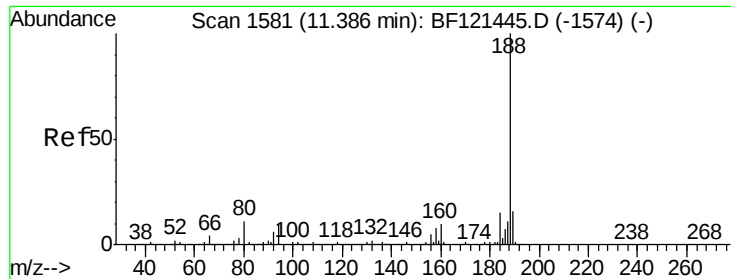
Delta R.T. -0.02 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Tgt Ion:	163	Resp:	97596
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.3	4.9
164	9.7	8.6	12.8





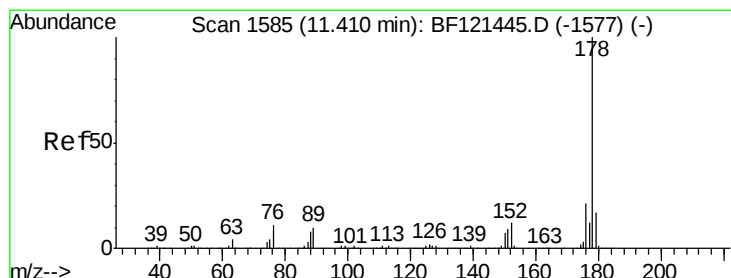
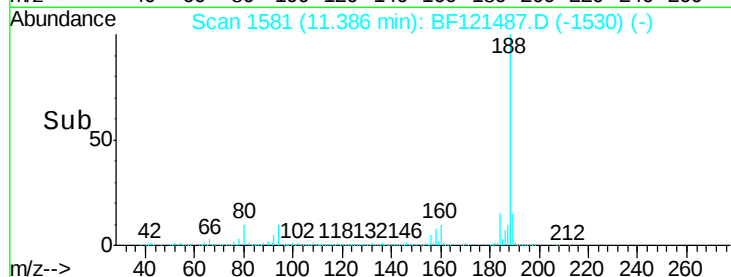
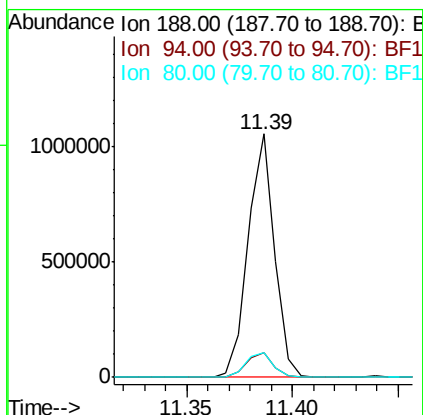
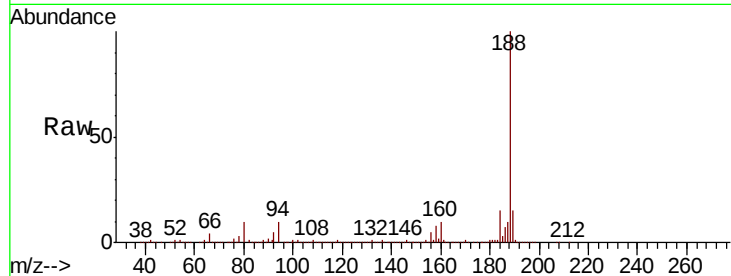
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	914170		
94	10.3		8.3	12.5
80	10.2		8.6	13.0

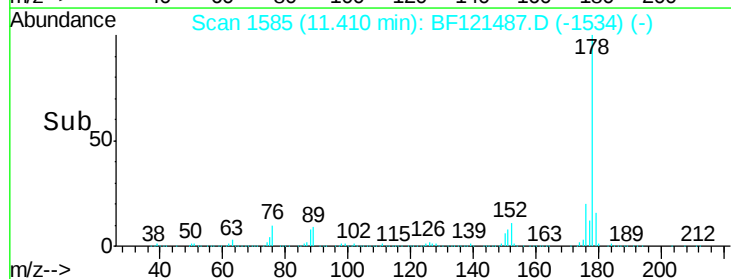
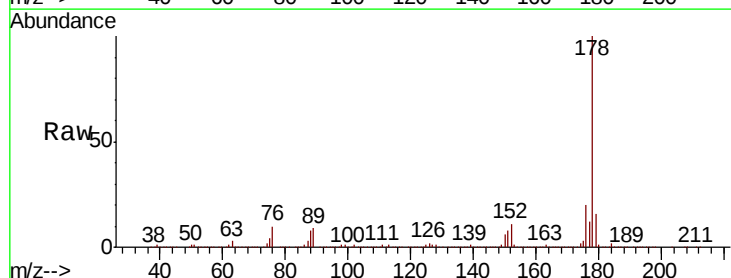
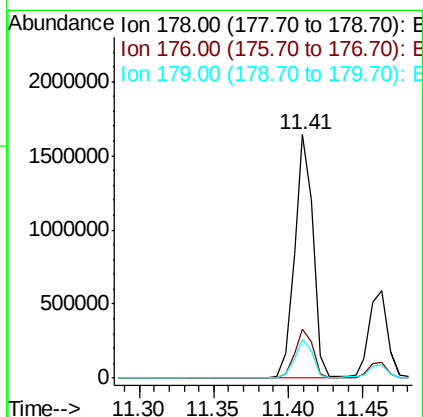
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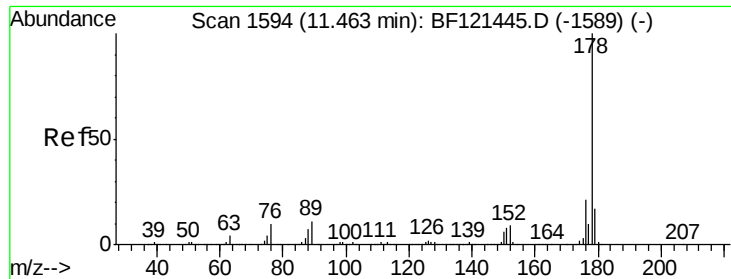
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#71
Phenanthrene
Concen: 30.416 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1426935		
176	20.4		16.9	25.3
179	16.1		13.4	20.0





#72

Anthracene

Concen: 10.746 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Instrument :

BNA_F

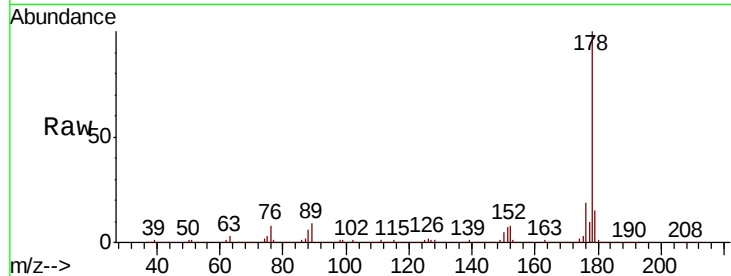
ClientSampleId :

LINDEN-JOP-BH-09-C

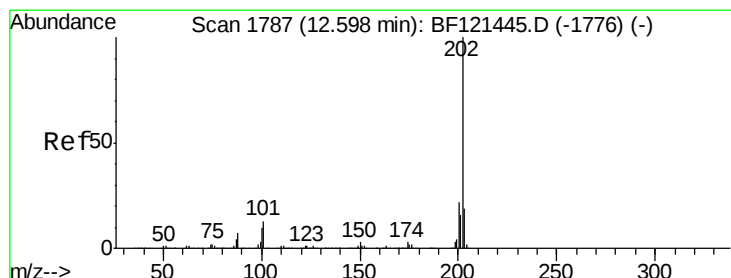
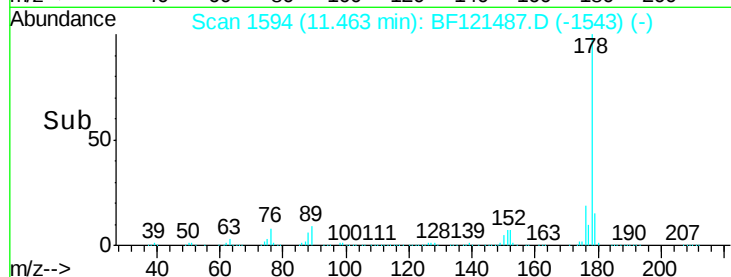
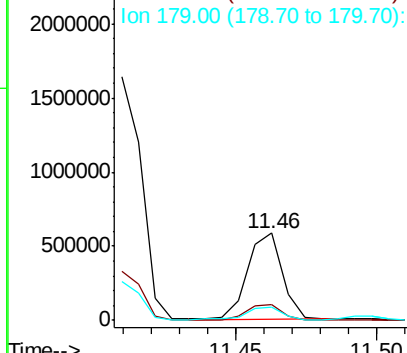
Tot Ion:	178	Resp:	495853
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.7	25.1
179	15.2	13.4	20.2

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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



#75

Fluoranthene

Concen: 50.340 ng

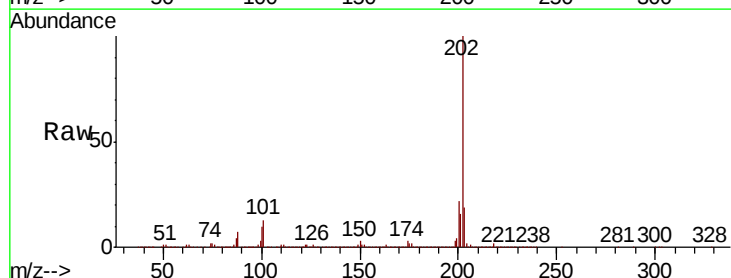
RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

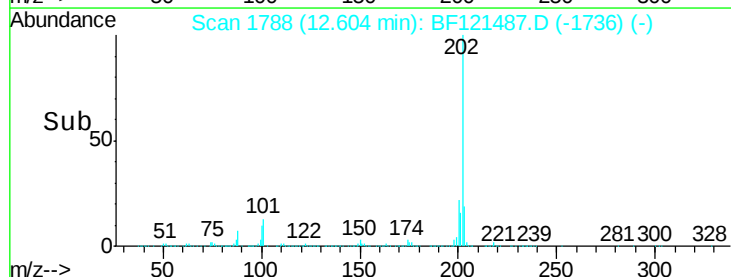
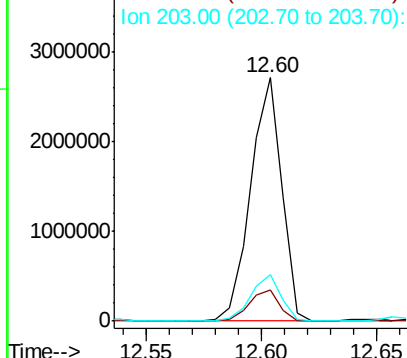
Lab File: BF121487.D

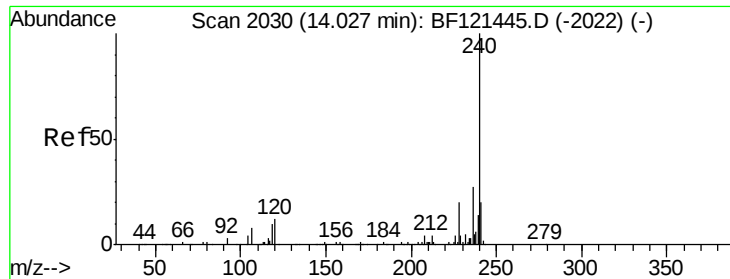
Acq: 31 Aug 2020 20:03

Tgt Ion:	202	Resp:	2545209
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	33.3
203	19.3	0.0	39.1



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





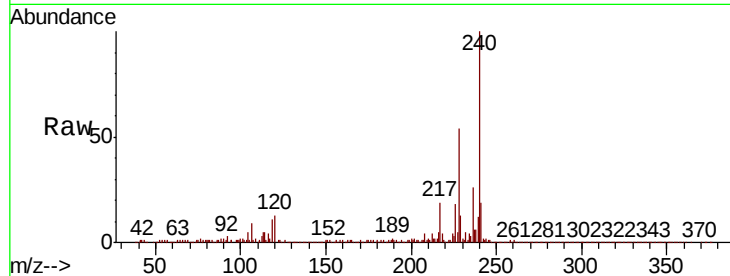
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	26.2	21.8	32.6

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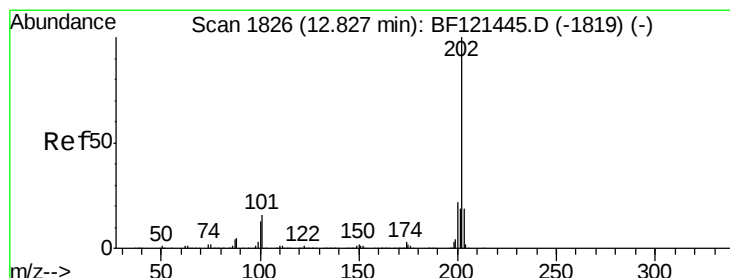
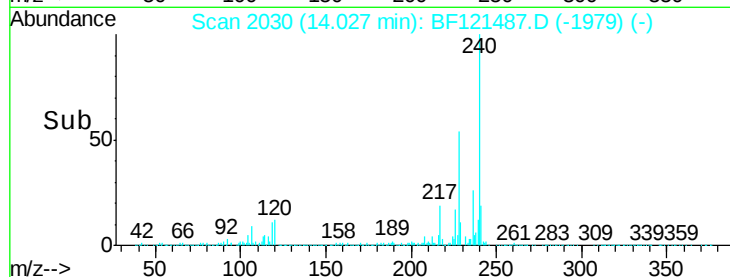
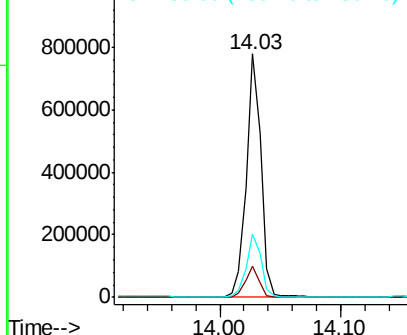


Abundance

Ion 240.00 (239.70 to 240.70): E

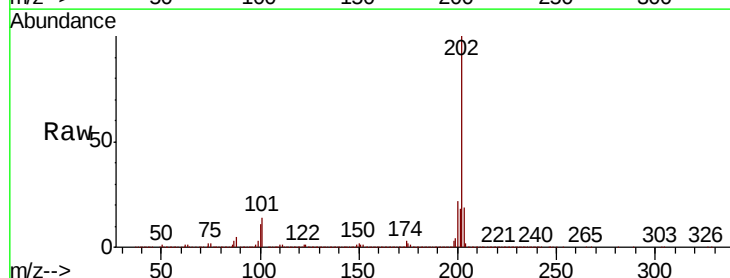
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 48.928 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.0	27.0
203	19.0	15.3	22.9

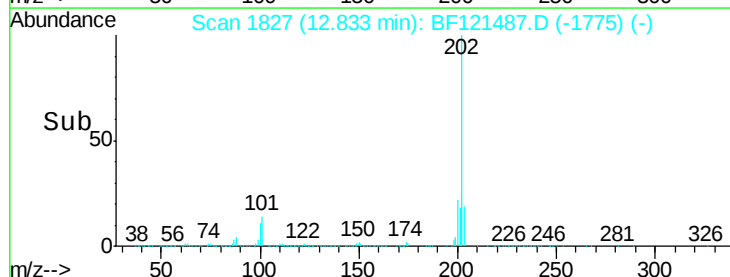
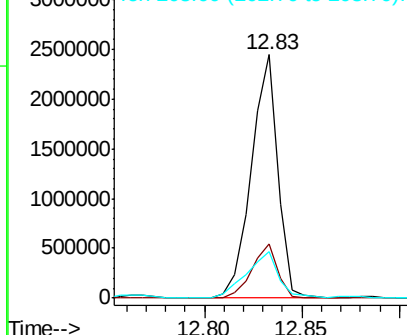


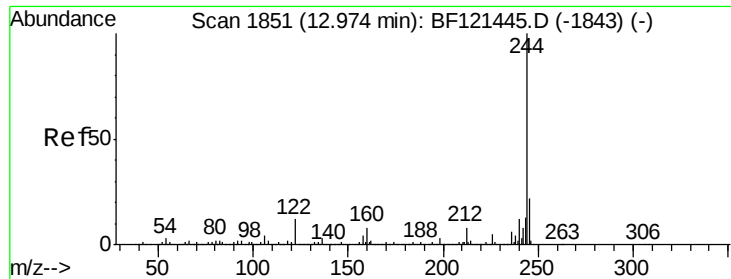
Abundance

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





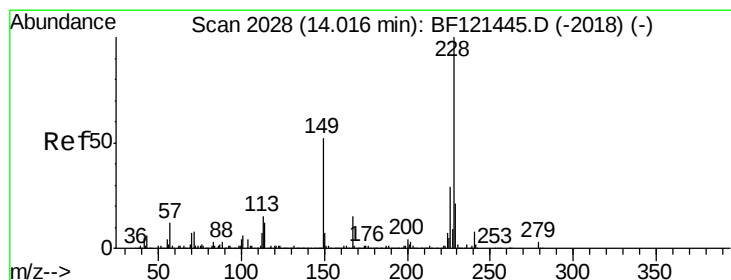
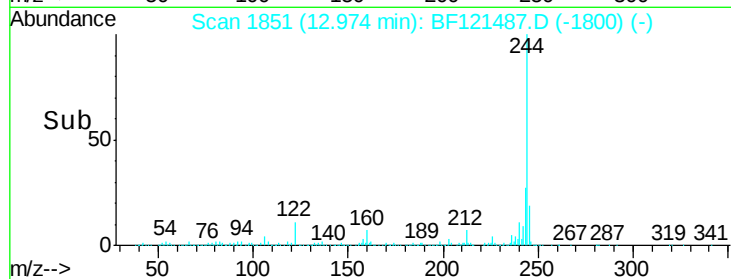
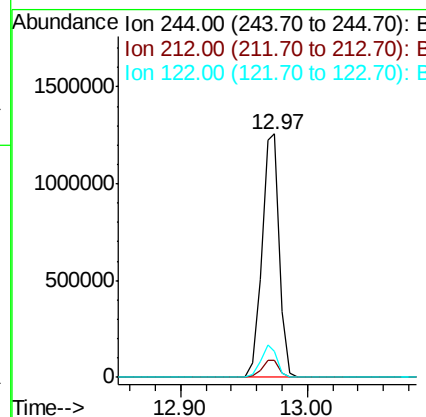
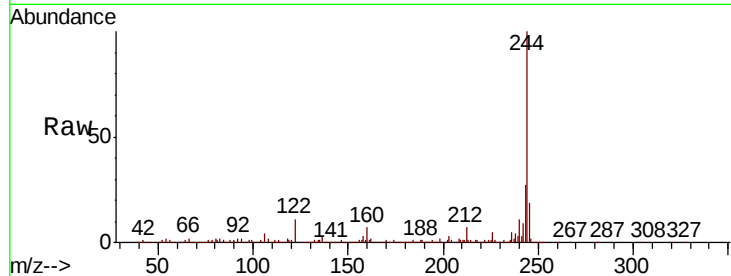
#79
 Terphenyl-d14
 Concen: 38.909 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	10.6	9.5	14.3

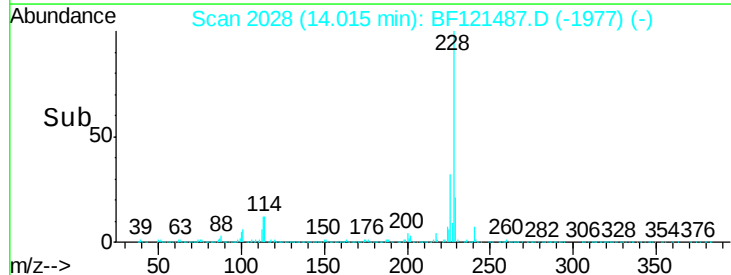
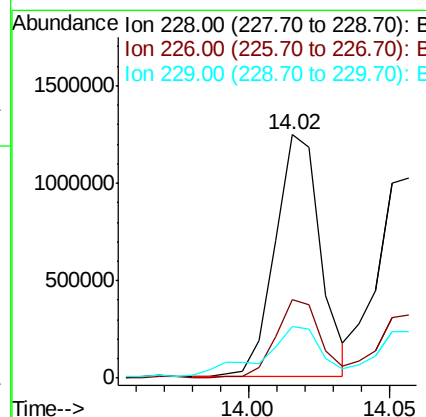
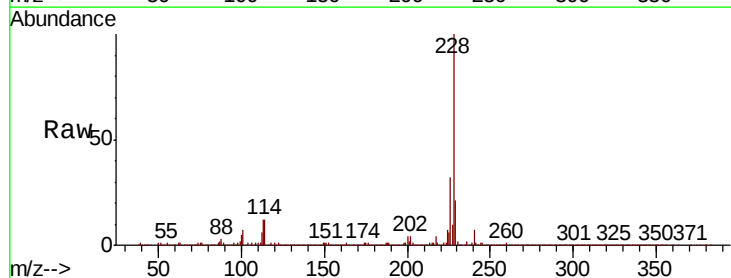
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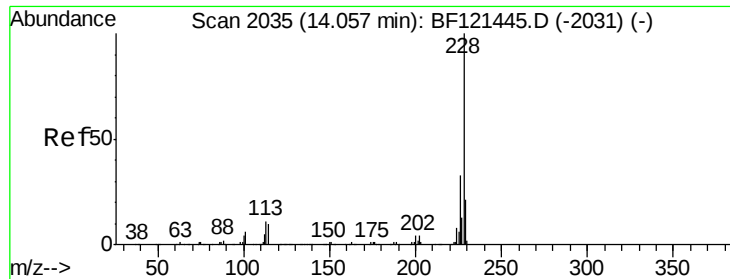
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#81
 Benzo(a)anthracene
 Concen: 34.556 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.0	34.4
229	21.3	16.6	24.8





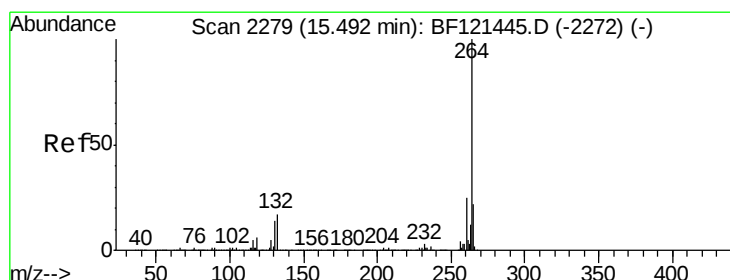
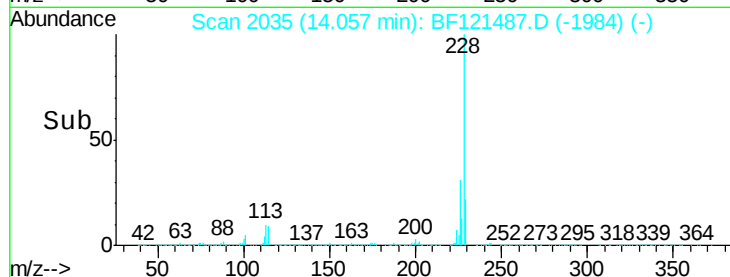
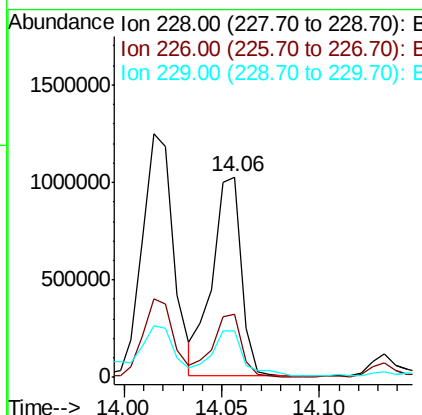
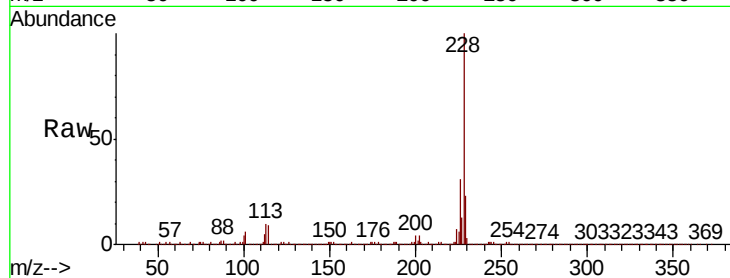
#83
Chrysene
Concen: 26.545 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	26.2	39.2
229	23.4	16.6	25.0

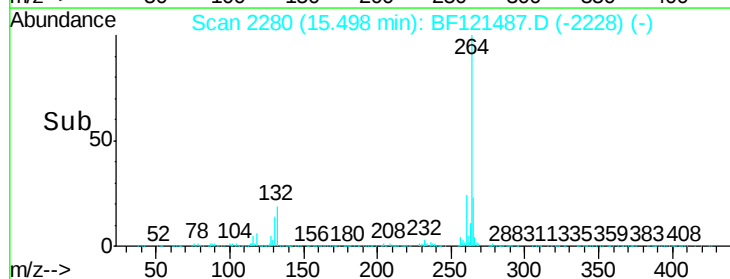
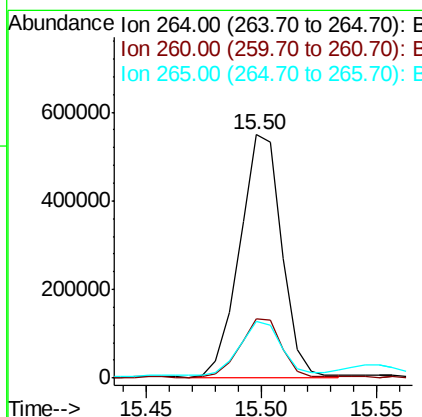
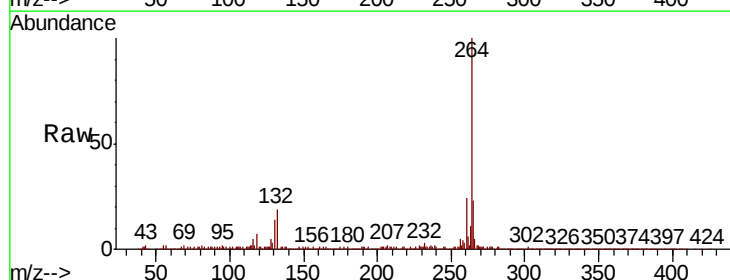
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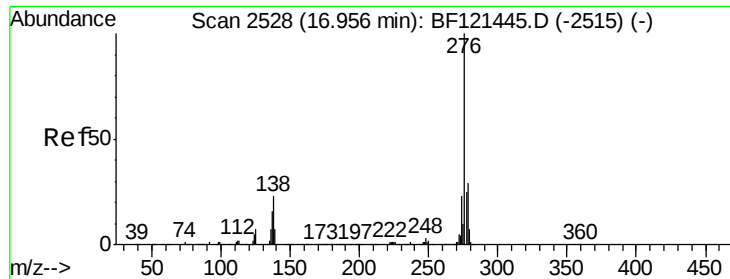
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	23.4	17.8	26.6





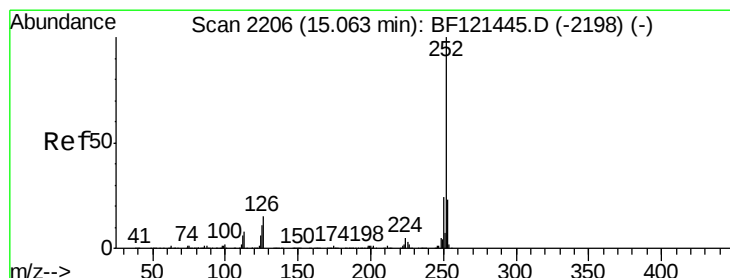
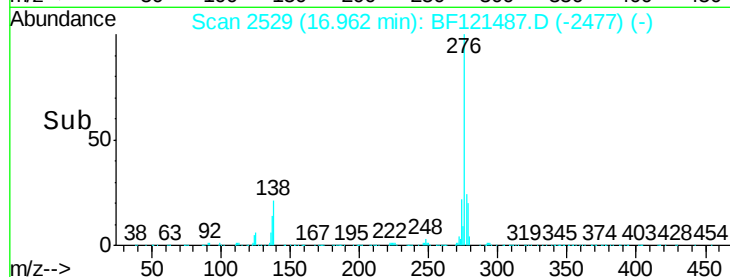
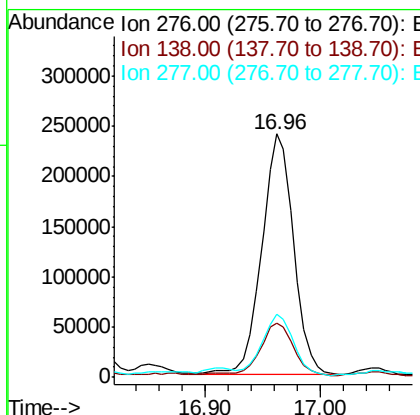
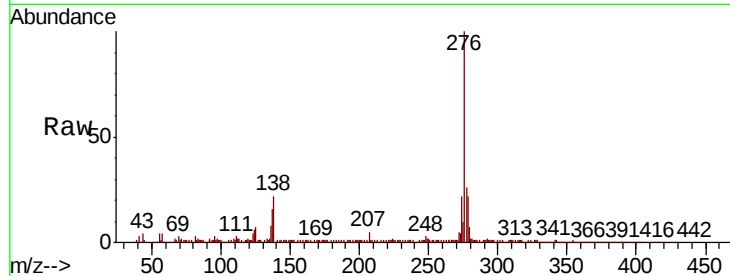
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.733 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.6	31.0
277	24.8	20.5	30.7

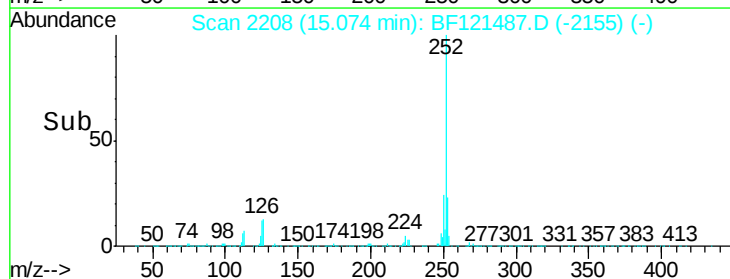
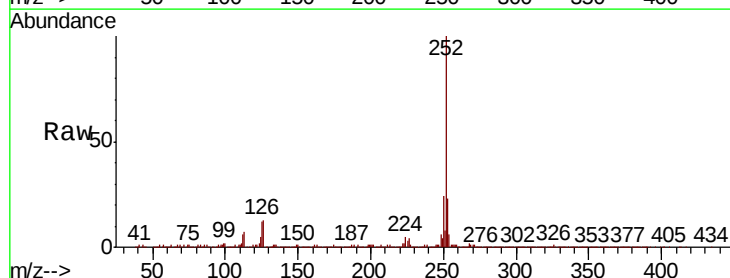
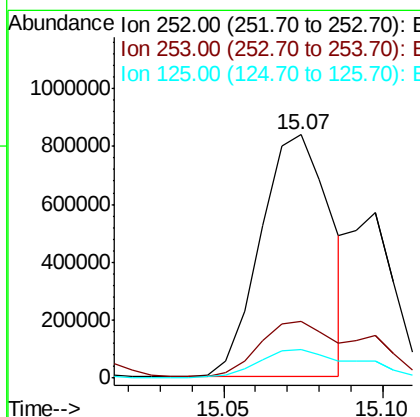
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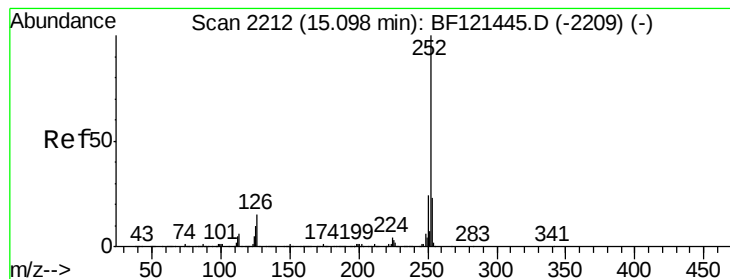
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#88
 Benzo(b)fluoranthene
 Concen: 28.379 ng m
 RT: 15.07 min Scan# 2208
 Delta R.T. 0.01 min
 Lab File: BF121487.D
 Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	11.9	9.2	13.8





#89

Benzo(k)fluoranthene

Concen: 12.598 ng m

RT: 15.10 min Scan# 2212

Delta R.T. -0.00 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Instrument :

BNA_F

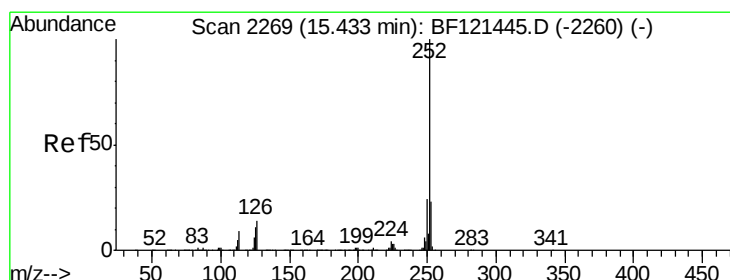
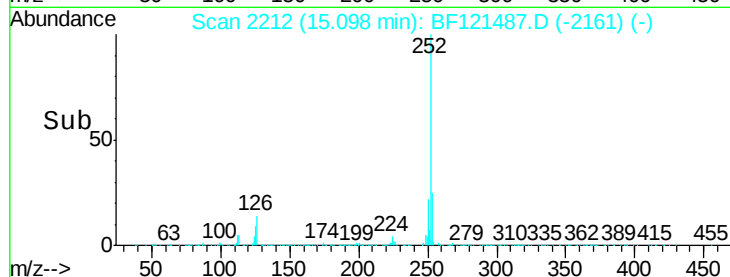
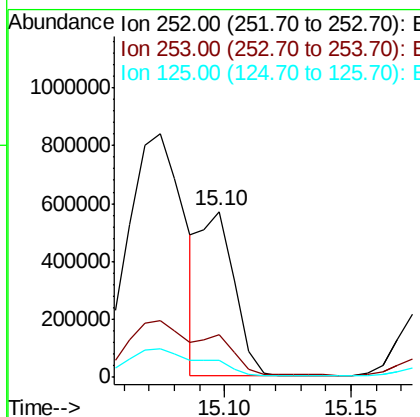
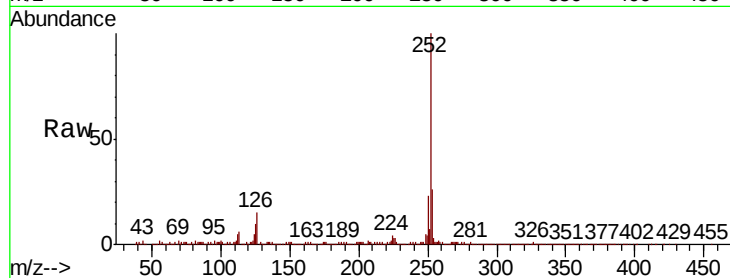
ClientSampleId :

LINDEN-JOP-BH-09-C

Tot Ion:	252	Resp:	527829
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.3	27.5
125	10.1	8.5	12.7

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#90

Benzo(a)pyrene

Concen: 25.137 ng

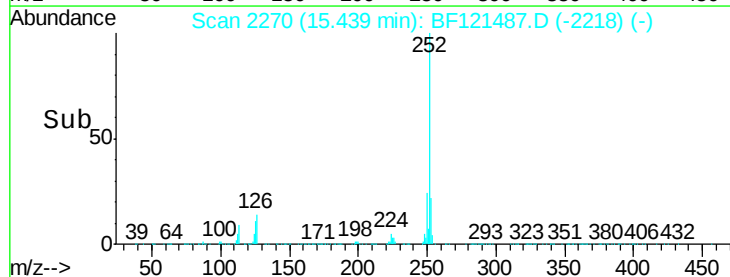
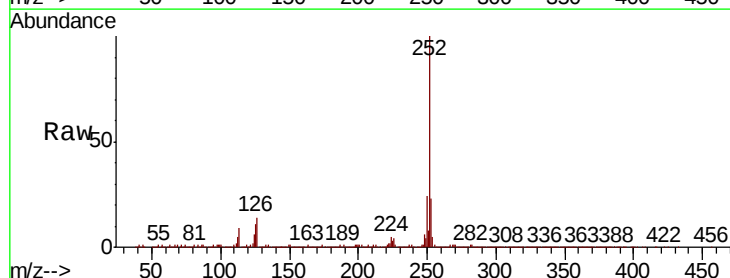
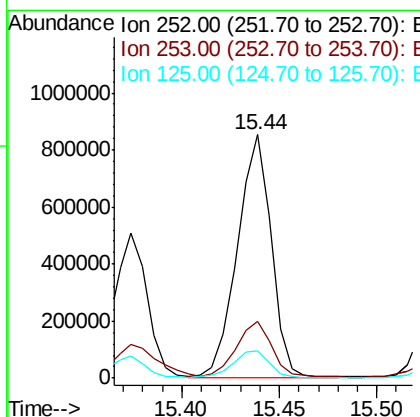
RT: 15.44 min Scan# 2270

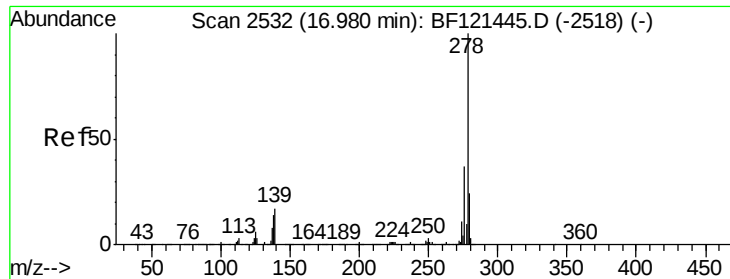
Delta R.T. 0.01 min

Lab File: BF121487.D

Acq: 31 Aug 2020 20:03

Tgt Ion:	252	Resp:	1018209
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	11.4	9.0	13.4





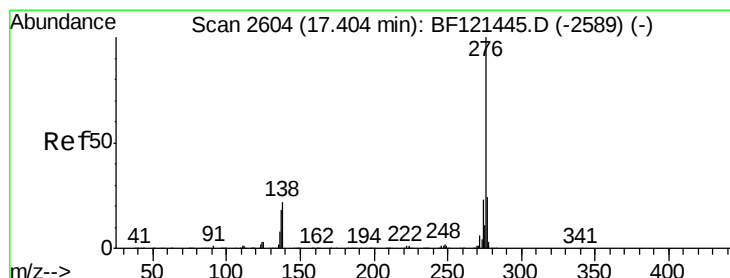
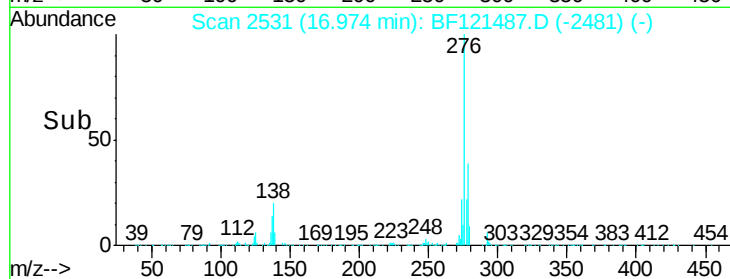
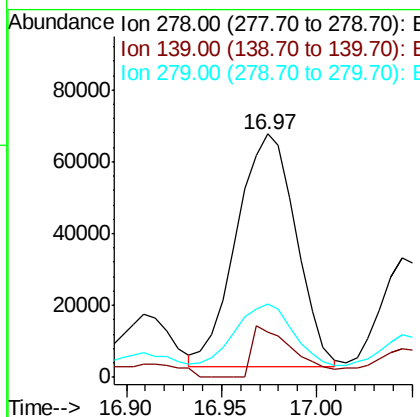
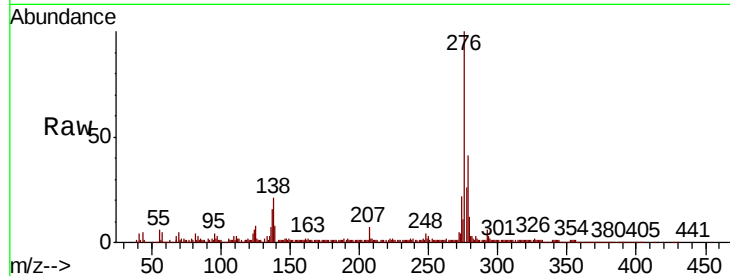
#91
Dibenzo(a,h)anthracene
Concen: 4.013 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	13.3	19.9
279	30.1	19.4	29.0

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#92
Benzo(g,h,i)perylene
Concen: 11.151 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BF121487.D
Acq: 31 Aug 2020 20:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	21.9	17.4	26.0

