

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
 Data File : BF121700.D
 Acq On : 25 Sep 2020 17:26
 Operator : JU/CG
 Sample : L4152-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-5-7

Manual Integrations
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mohammad
 9/28/2020 11:10:41 AM

Quant Time: Sep 25 18:14:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 14:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	152891	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	594615	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	310171	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	584244	20.00	ng	0.00
76) Chrysene-d12	13.97	240	384652	20.00	ng	0.00
86) Perylene-d12	15.42	264	344946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2028	0.20	ng	0.00
7) Phenol-d6	6.43	99	57867	4.29	ng	-0.01
23) Nitrobenzene-d5	7.36	82	144495	13.05	ng	-0.01
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.16	172	286205	13.98	ng	0.00
79) Terphenyl-d14	12.91	244	303189	15.97	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	184857	5.889	ng	98
52) Acenaphthene	9.87	154	226015	11.902	ng	99
55) Dibenzofuran	10.04	168	263908	9.869	ng	97
58) Fluorene	10.38	166	264677	12.942	ng	100
71) Phenanthrene	11.36	178	2927888	91.979	ng	98
72) Anthracene	11.40	178	871143	26.519	ng	99
73) Carbazole	11.56	167	375744	12.675	ng	98
75) Fluoranthene	12.55	202	3395550	99.927	ng	98
78) Pyrene	12.78	202	2765189	98.392	ng	99
81) Benzo(a)anthracene	13.96	228	1474027	60.572	ng	100
83) Chrysene	14.00	228	1252309m	50.819	ng	
87) Indeno(1,2,3-cd)pyrene	16.86	276	675529	30.072	ng	95
88) Benzo(b)fluoranthene	15.01	252	1399815m	60.703	ng	
89) Benzo(k)fluoranthene	15.03	252	451217m	21.367	ng	
90) Benzo(a)pyrene	15.36	252	956748	48.809	ng	98
91) Dibenzo(a,h)anthracene	16.86	278	167139m	8.938	ng	
92) Benzo(a,h,i)perylene	17.29	276	601795	32.739	ng	98

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

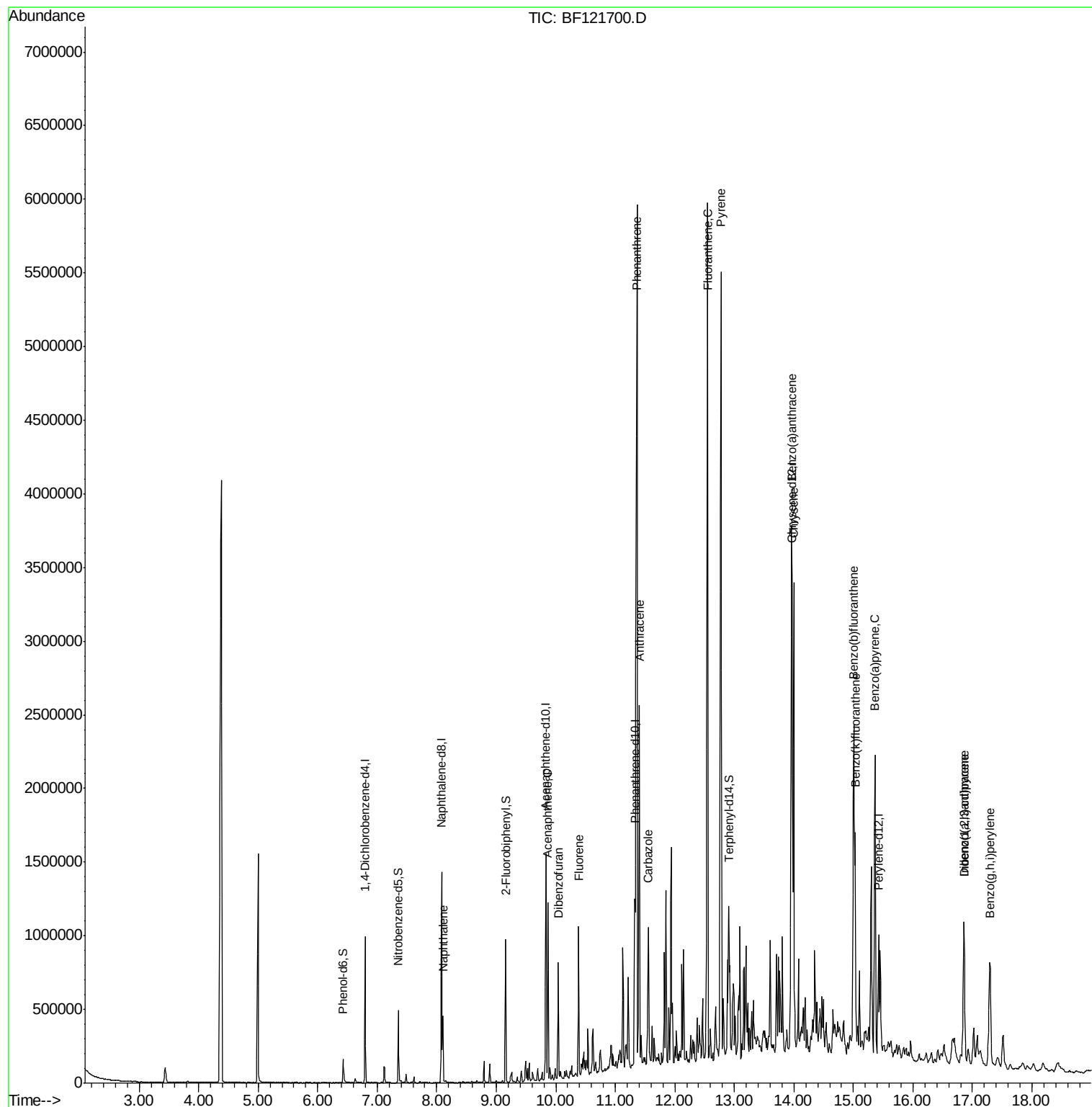
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
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ALS Vial : 9 Sample Multiplier: 1

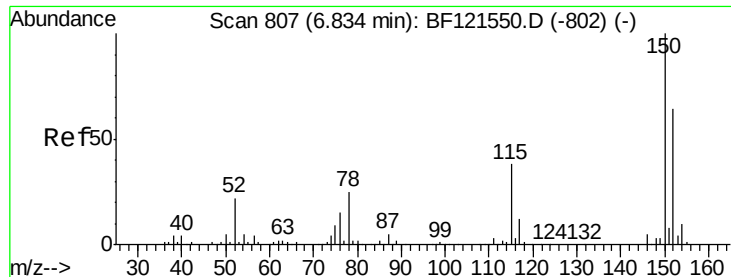
Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

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Quant Time: Sep 25 18:14:40 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

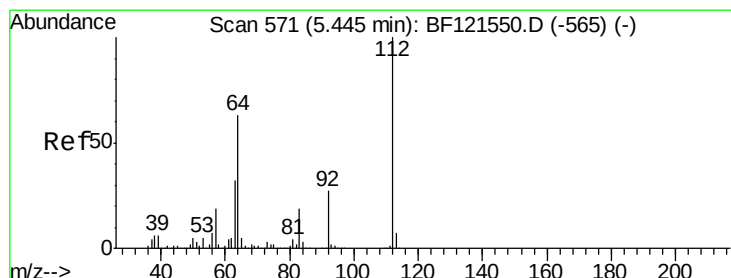
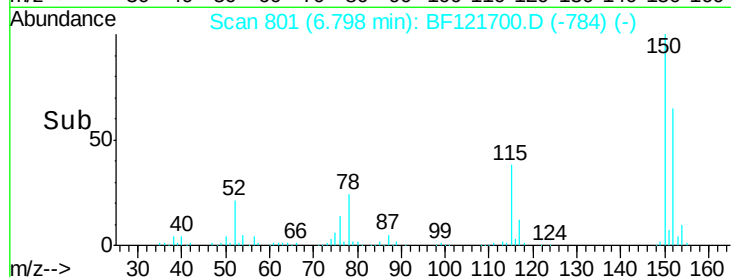
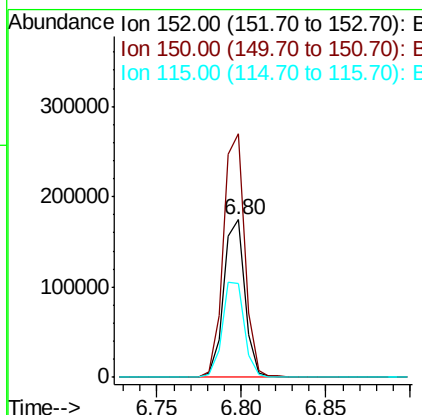
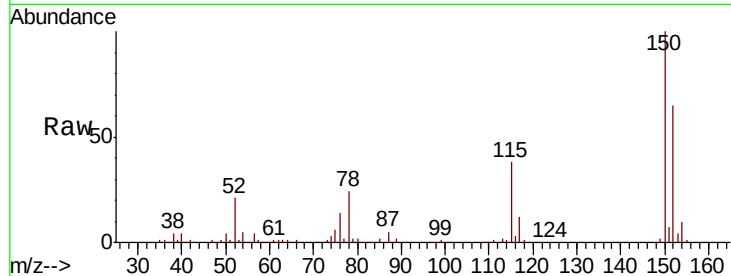
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.1	189.1
115	59.6	50.6	76.0

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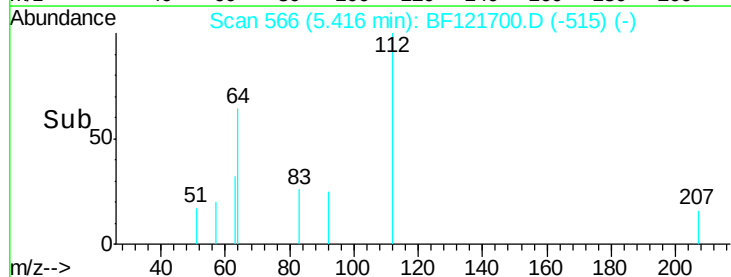
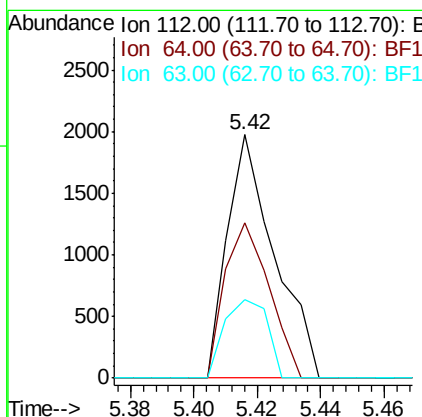
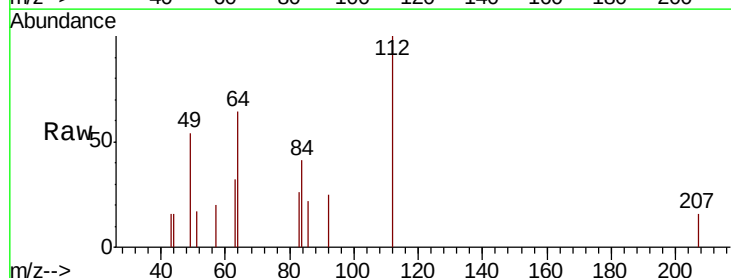
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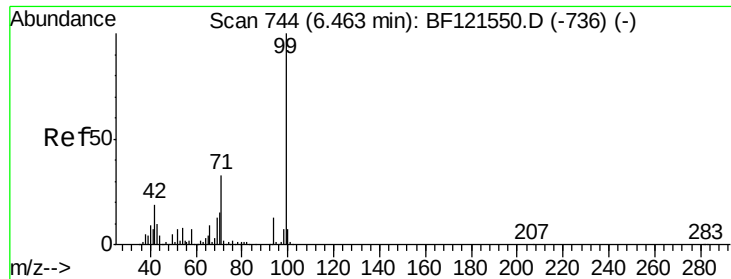


#5

2-Fluorophenol
Concen: 0.197 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	49.5	74.3
63	32.0	25.2	37.8





#7

Phenol-d6

Concen: 4.287 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Instrument :

BNA_F

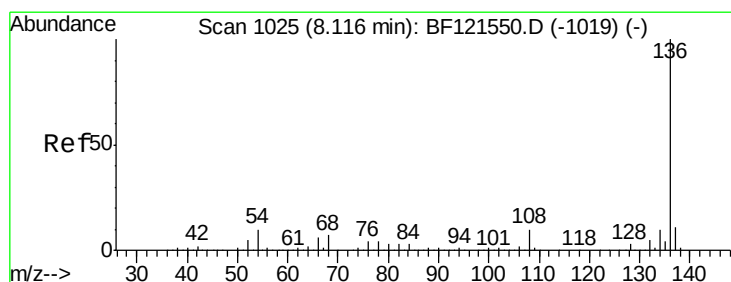
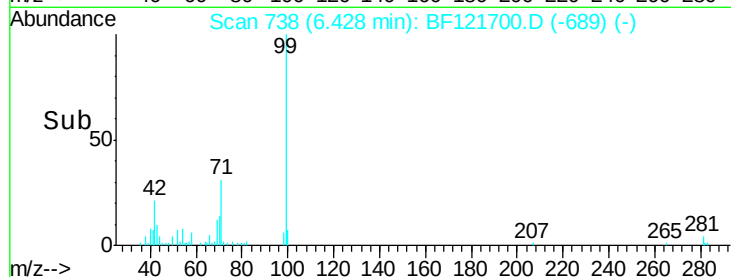
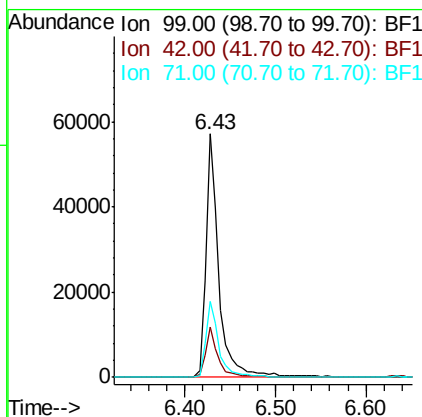
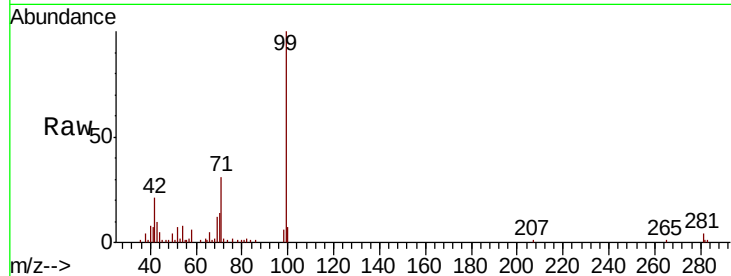
ClientSampleId :

WR-PILE-5-7

Tot Ion:	99	Resp:	57867
Ion Ratio	Lower	Upper	
99	100		
42	20.5	16.1	24.1
71	31.2	27.9	41.9

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#21

Naphthalene-d8

Concen: 20.000 ng

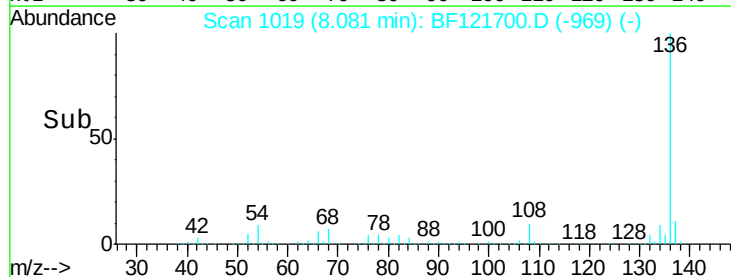
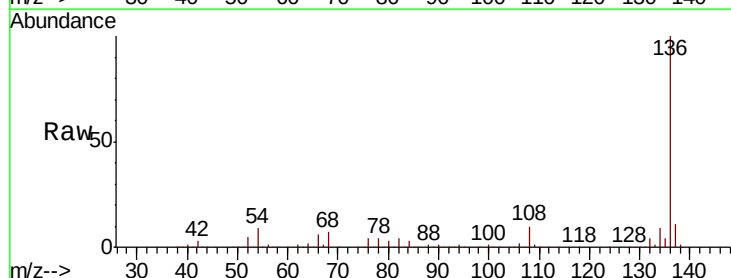
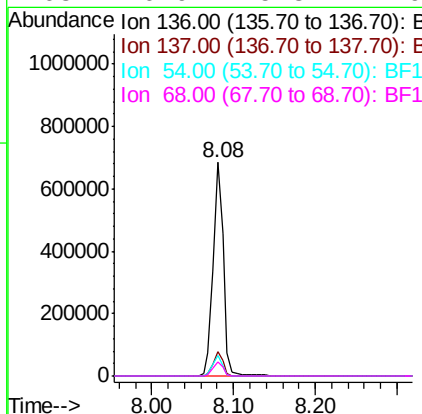
RT: 8.08 min Scan# 1019

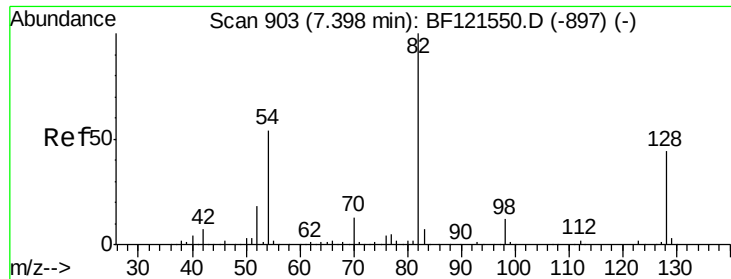
Delta R.T. -0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Tgt Ion:	136	Resp:	594615
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	9.4	7.6	11.4
68	6.9	5.3	7.9





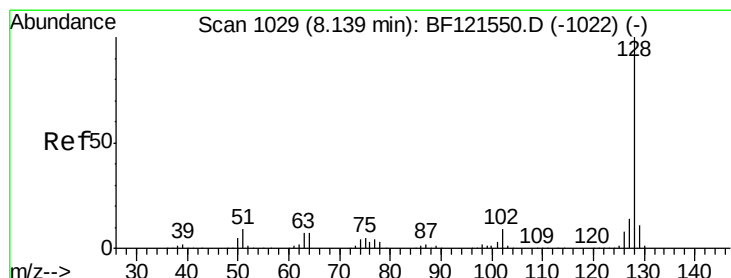
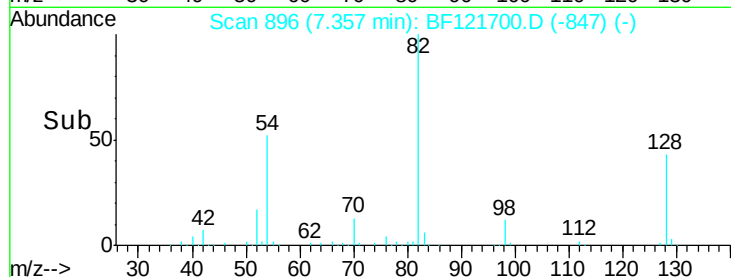
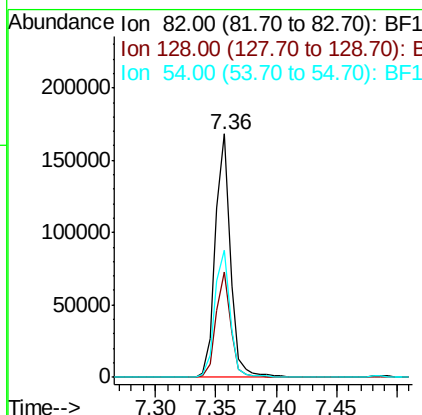
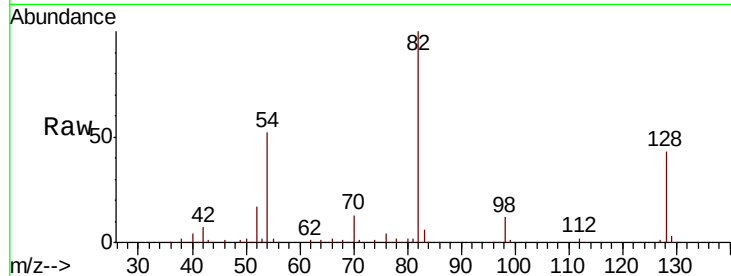
#23
Nitrobenzene-d5
Concen: 13.047 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Resp	Lower	Upper
82	100	144495		
128	43.3		33.9	50.9
54	52.1		43.2	64.8

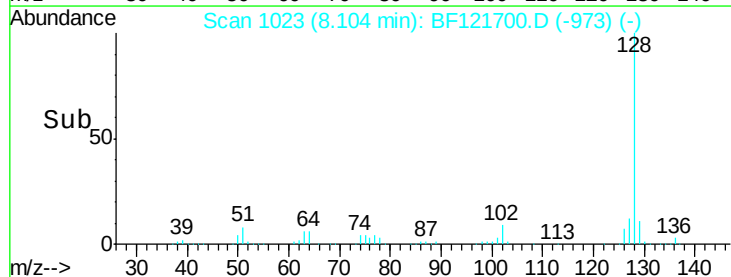
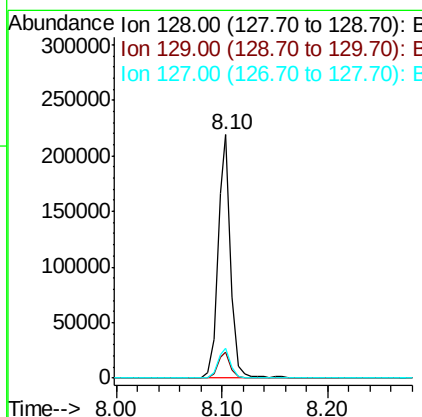
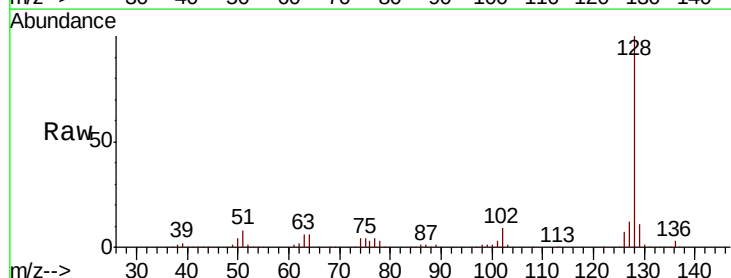
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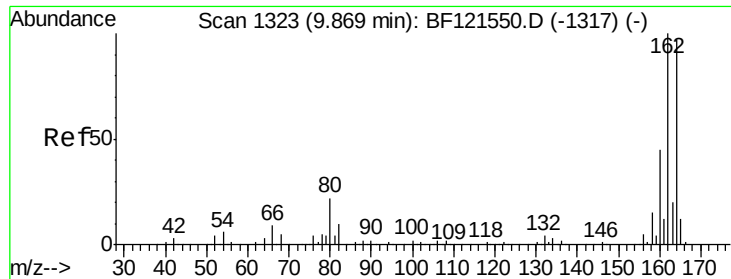
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#31
Naphthalene
Concen: 5.889 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	184857		
129	10.6		9.0	13.4
127	12.4		11.0	16.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Instrument :

BNA_F

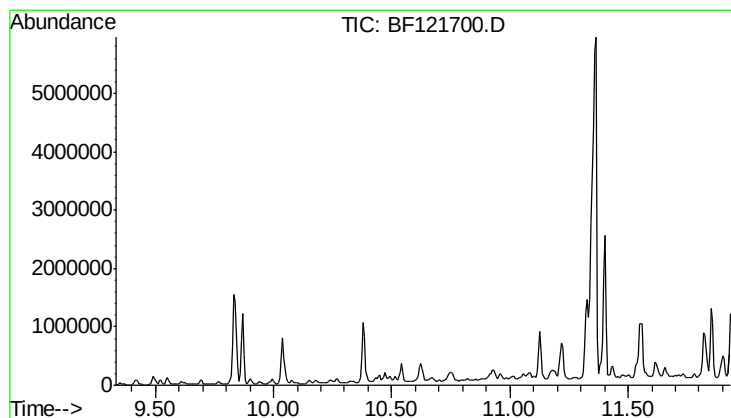
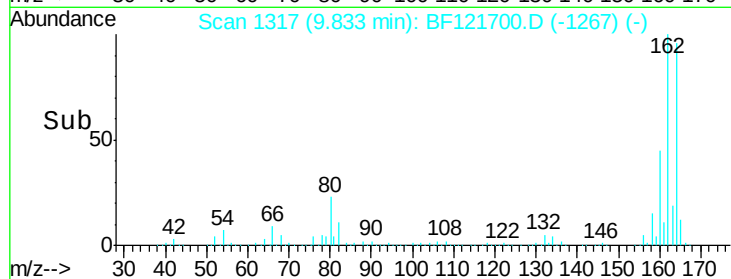
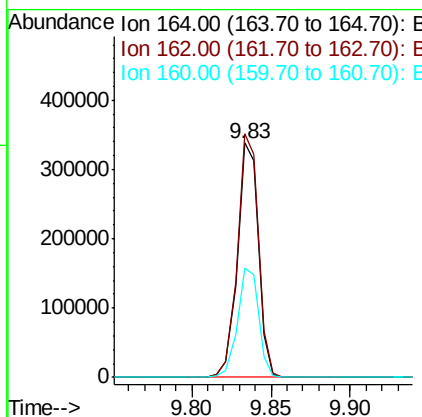
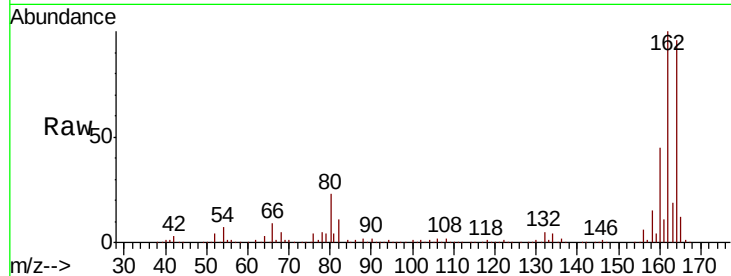
ClientSampleId :

WR-PILE-5-7

Tot Ion:	164	Resp:	310171
Ion Ratio	Lower	Upper	
164	100		
162	104.0	82.3	123.5
160	46.6	37.1	55.7

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#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.63 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

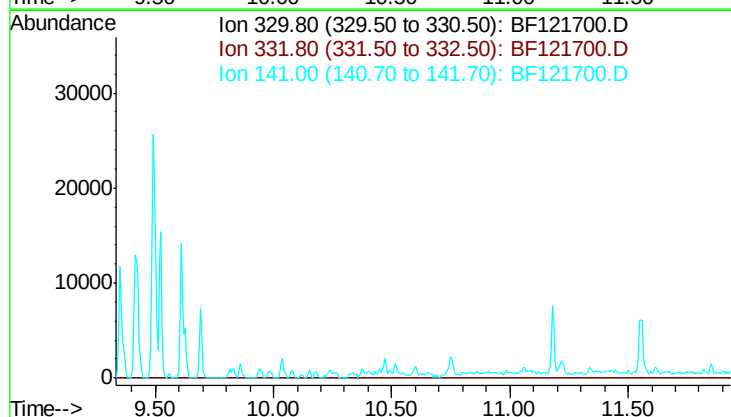
Tgt Ion: 330

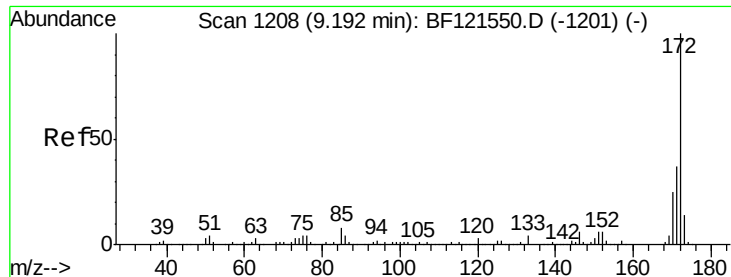
Sig Exp Ratio

330 100

332 95.9

141 27.7





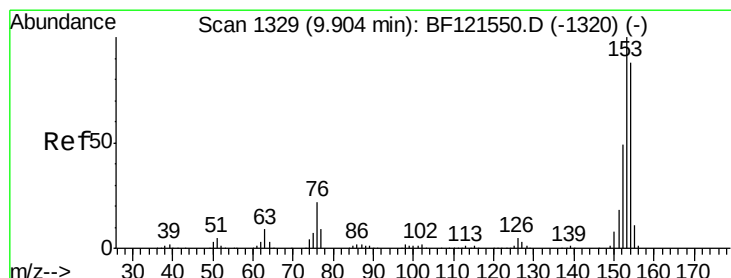
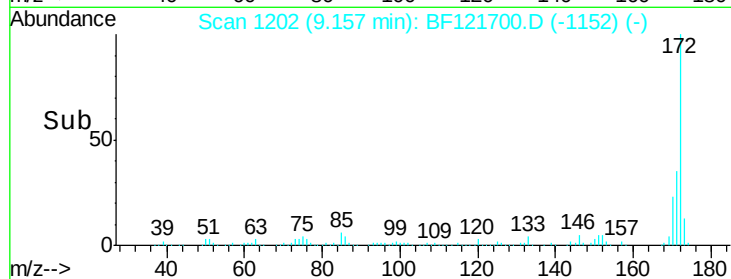
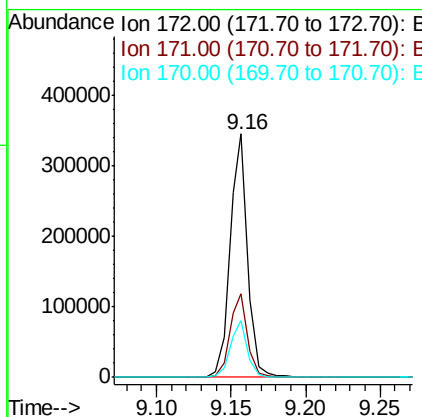
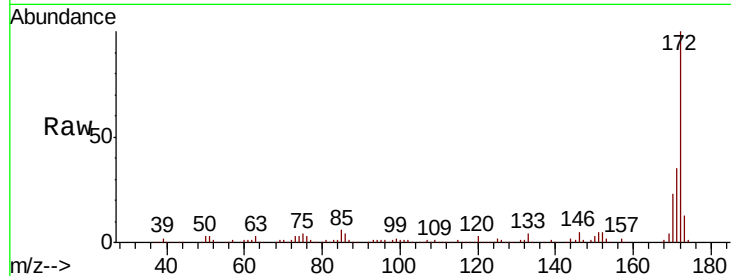
#45
2-Fluorobiphenyl
Concen: 13.975 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Resp	Lower	Upper
172	100	286205		
171	34.6		29.4	44.0
170	23.4		19.6	29.4

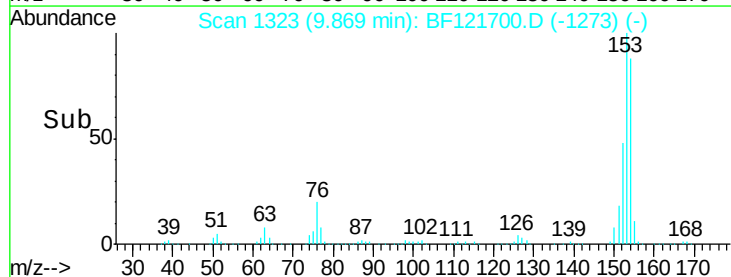
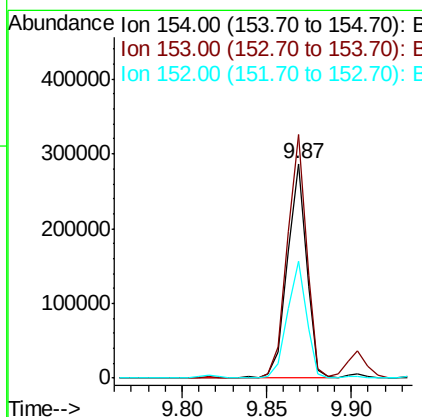
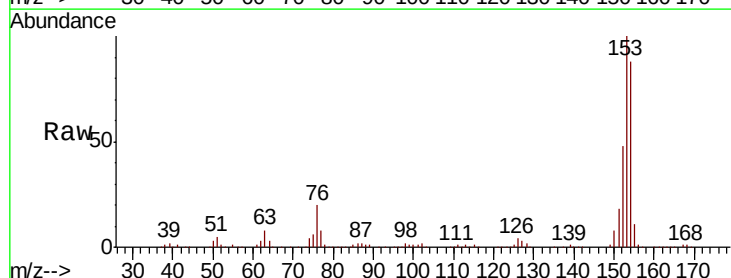
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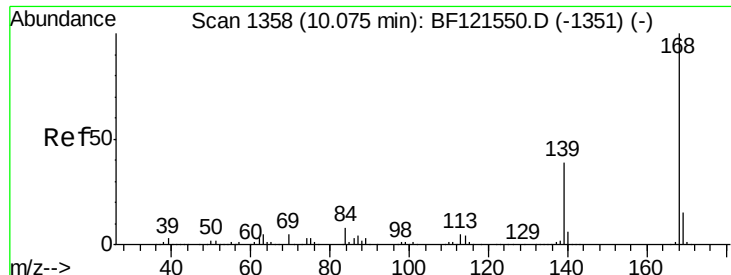
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#52
Acenaphthene
Concen: 11.902 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	226015		
153	113.4		89.1	133.7
152	54.3		43.0	64.6





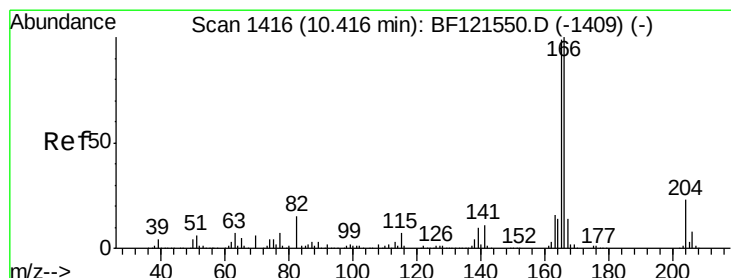
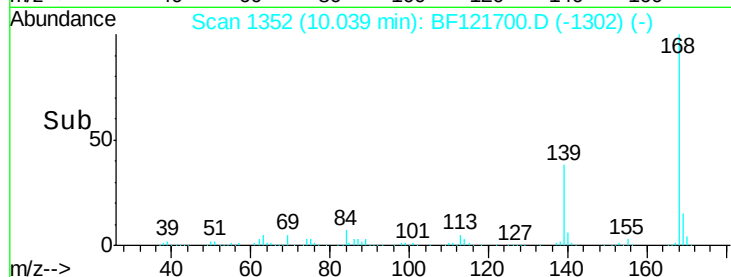
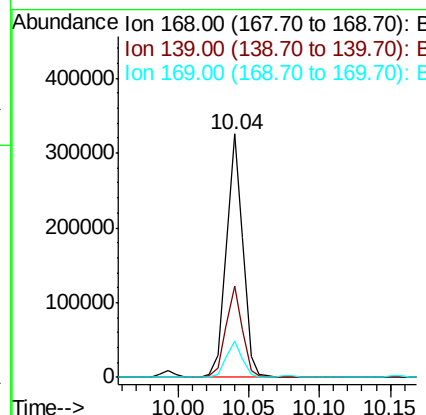
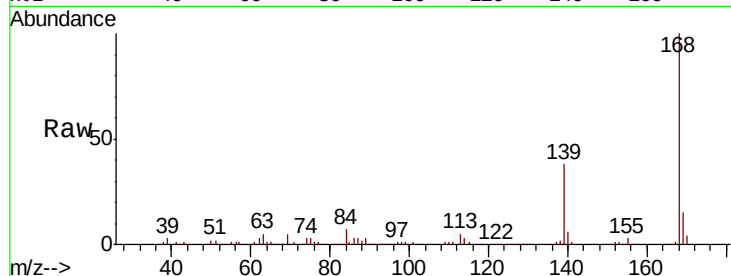
#55
Dibenzenofuran
Concen: 9.869 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	32.2	48.2
169	14.6	11.8	17.8

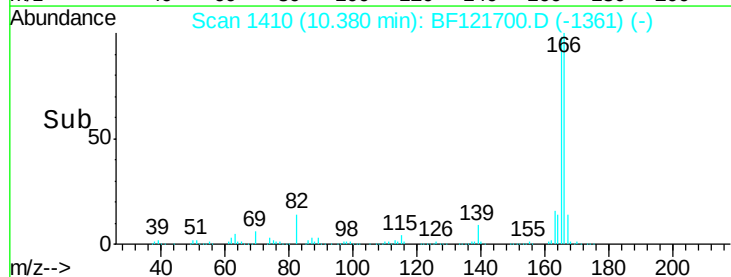
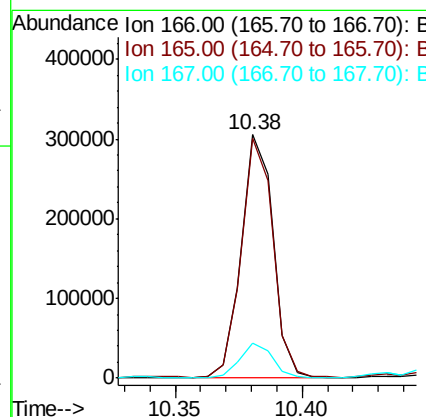
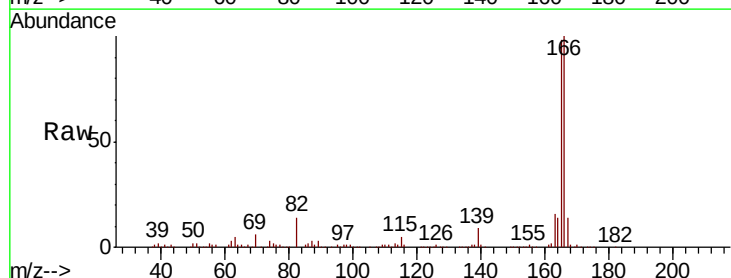
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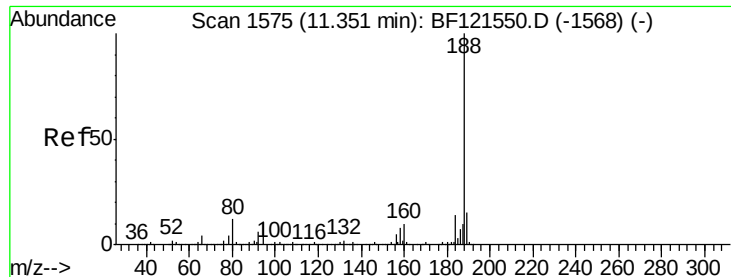
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#58
Fluorene
Concen: 12.942 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.7	118.1
167	14.3	10.6	16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Instrument :

BNA_F

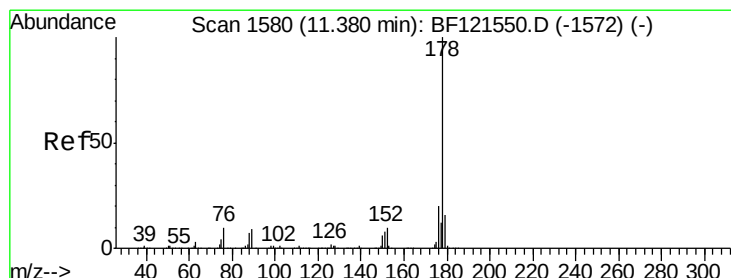
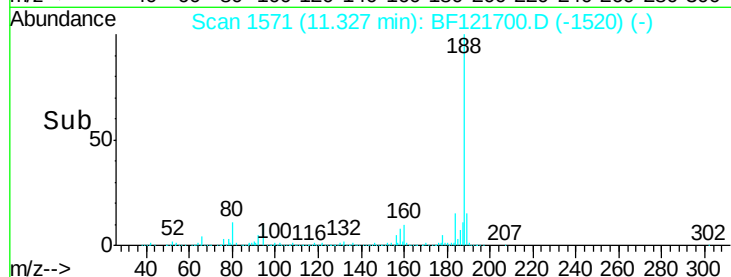
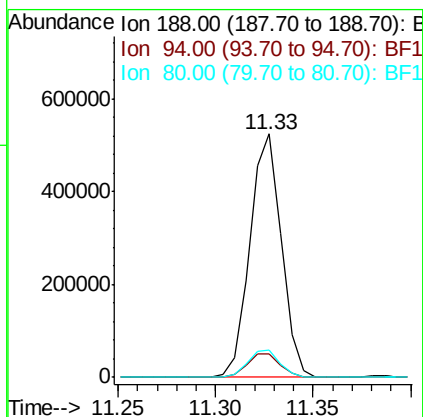
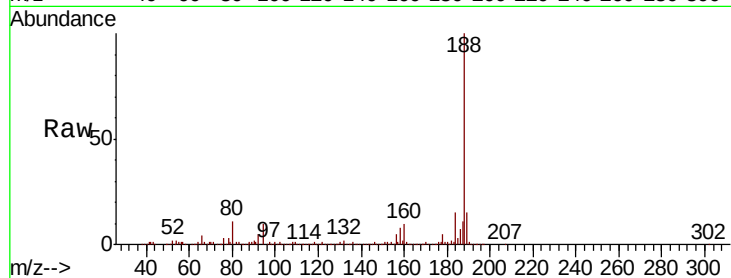
ClientSampleId :

WR-PILE-5-7

Tot Ion:188	Resp:	584244
Ion Ratio	Lower	Upper
188 100		
94 9.7	7.9	11.9
80 11.0	8.6	13.0

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#71

Phenanthrene

Concen: 91.979 ng

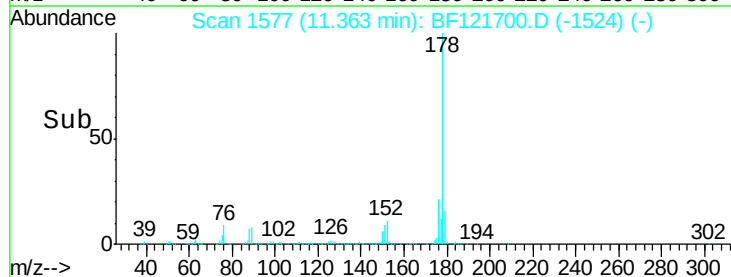
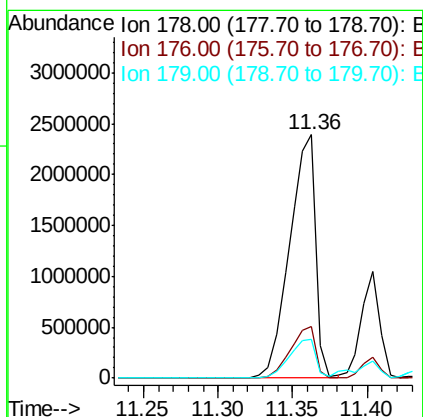
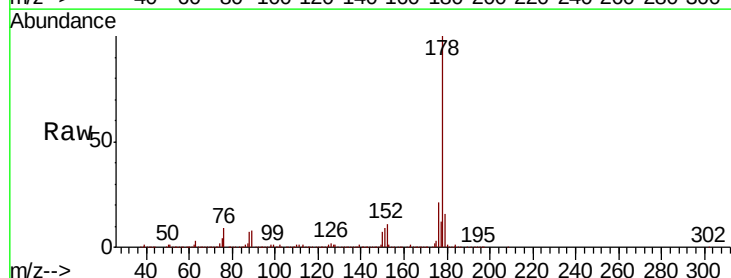
RT: 11.36 min Scan# 1577

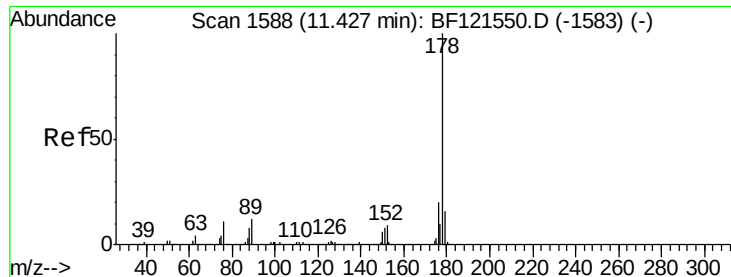
Delta R.T. 0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Tgt Ion:178	Resp:	2927888
Ion Ratio	Lower	Upper
178 100		
176 21.1	15.8	23.8
179 16.2	12.6	19.0





#72

Anthracene

Concen: 26.519 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Instrument :

BNA_F

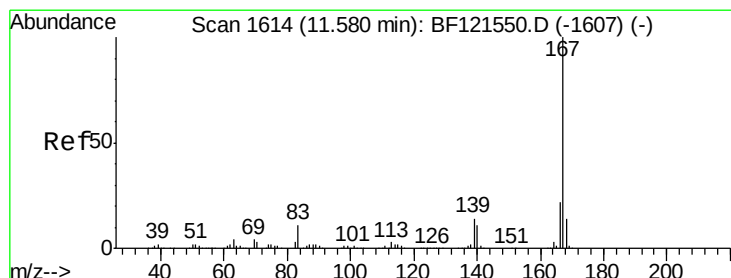
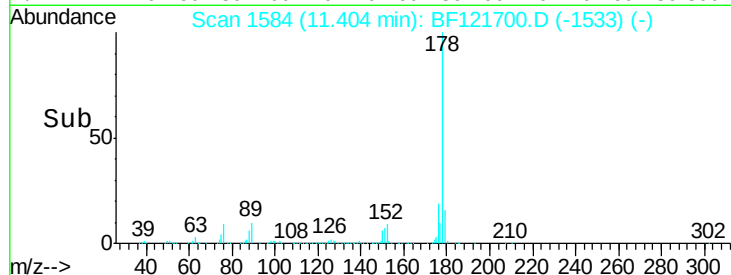
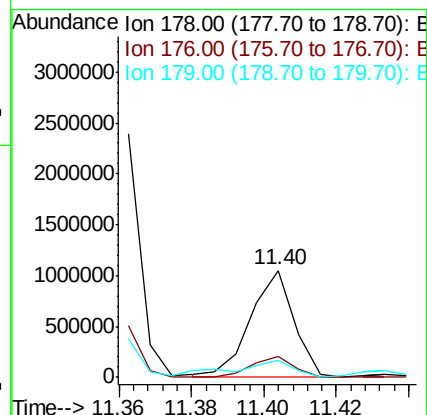
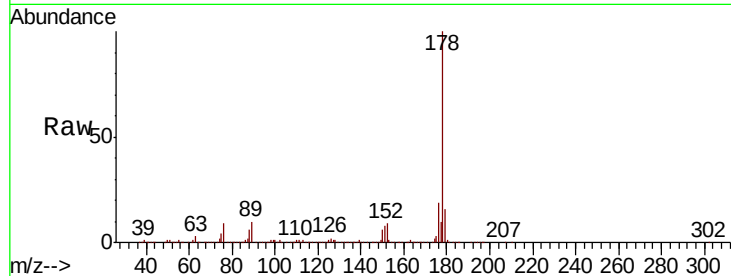
ClientSampleId :

WR-PILE-5-7

Tot Ion:178	Resp:	871143
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.8 23.6
179	15.6	12.9 19.3

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#73

Carbazole

Concen: 12.675 ng

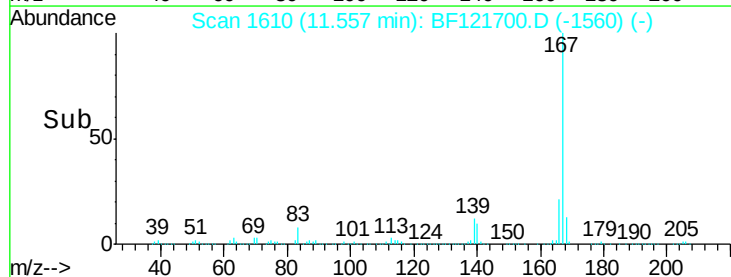
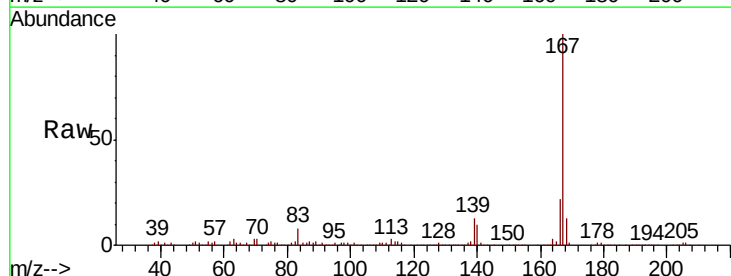
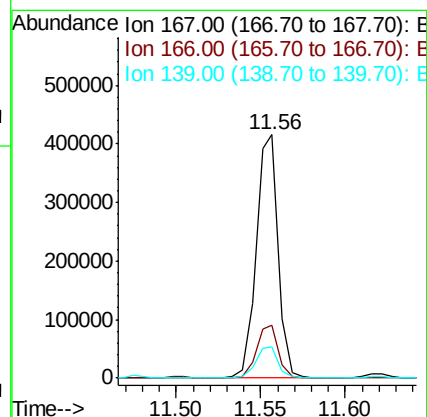
RT: 11.56 min Scan# 1610

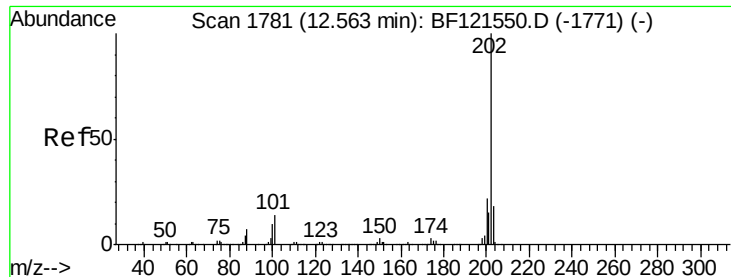
Delta R.T. -0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Tgt Ion:167	Resp:	375744
Ion Ratio	Lower	Upper
167	100	
166	21.6	18.0 27.0
139	12.6	10.6 15.8





#75

Fluoranthene

Concen: 99.927 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Instrument :

BNA_F

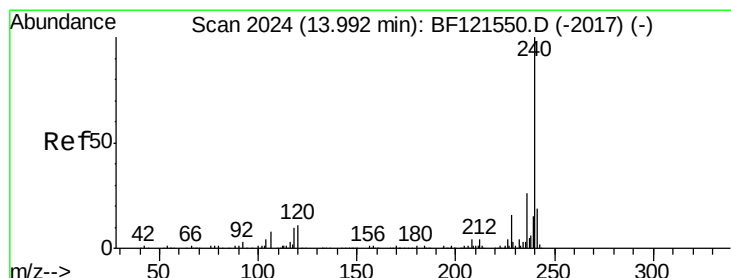
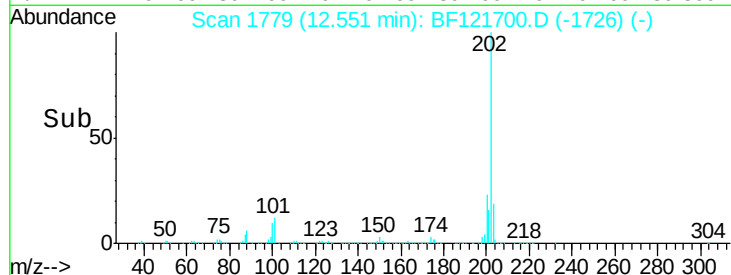
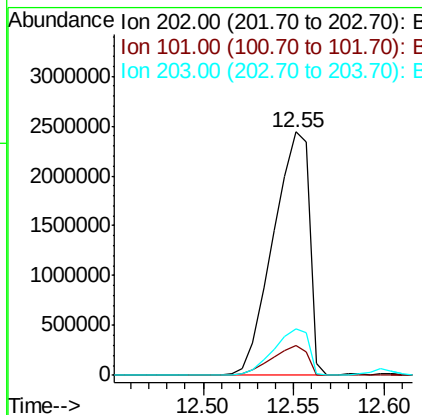
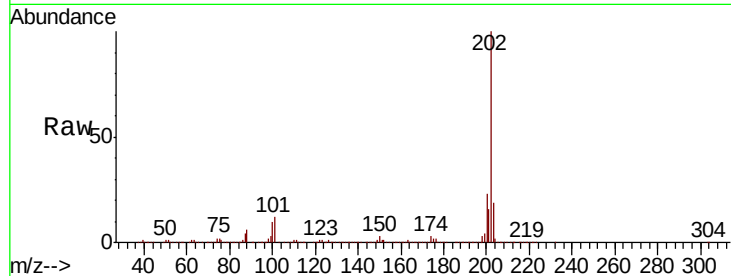
ClientSampleId :

WR-PILE-5-7

Tot Ion:	202	Resp:	3395550
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	19.1	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

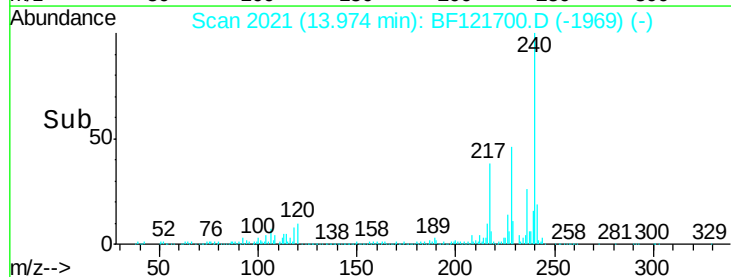
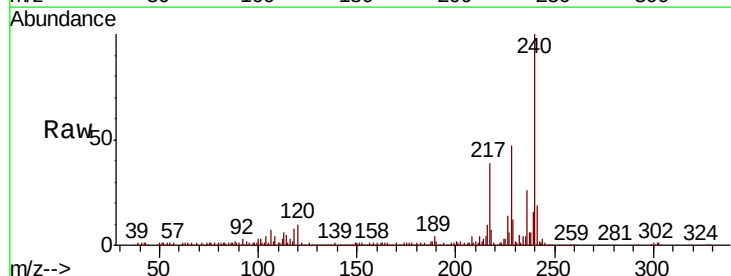
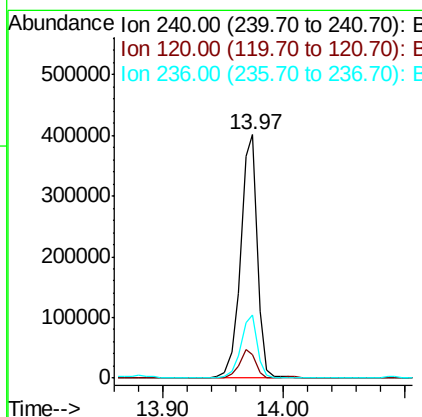
RT: 13.97 min Scan# 2021

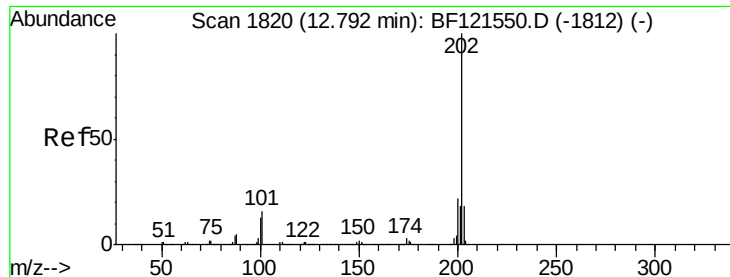
Delta R.T. 0.01 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Tgt Ion:	240	Resp:	384652
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.9	14.9#
236	26.2	20.6	31.0





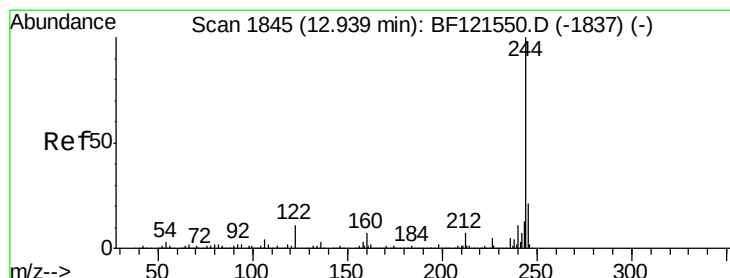
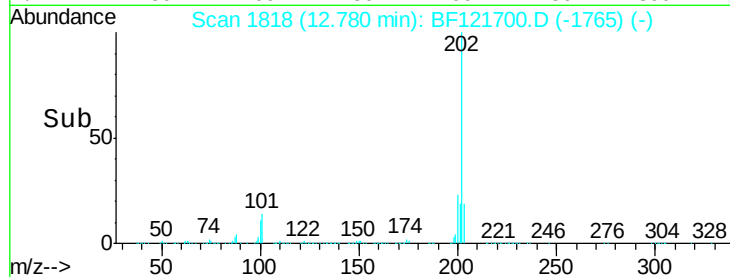
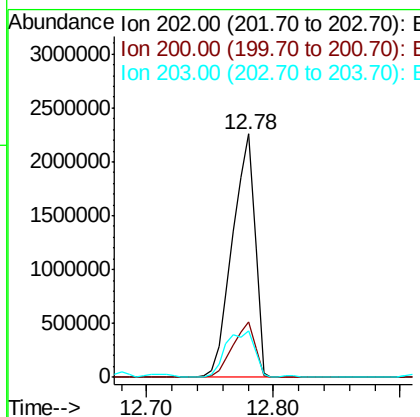
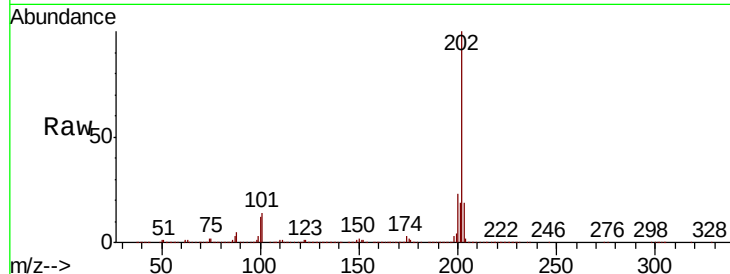
#78
Pvrene
Concen: 98.392 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.8	26.6
203	18.9	14.6	21.8

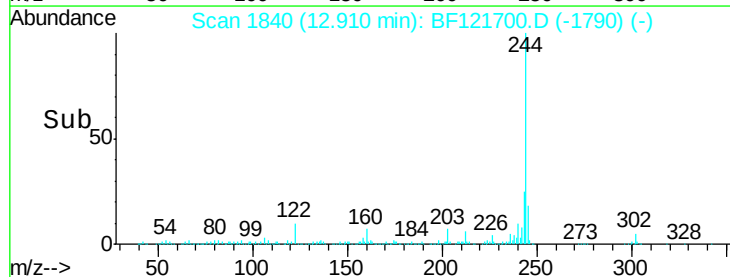
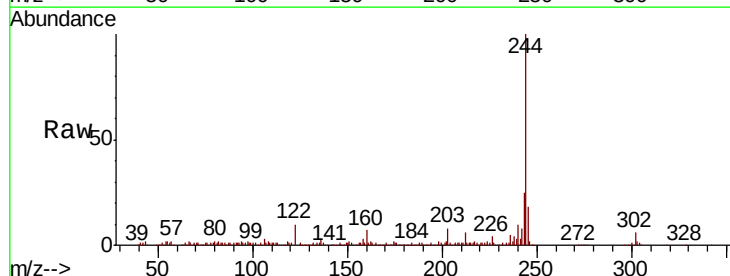
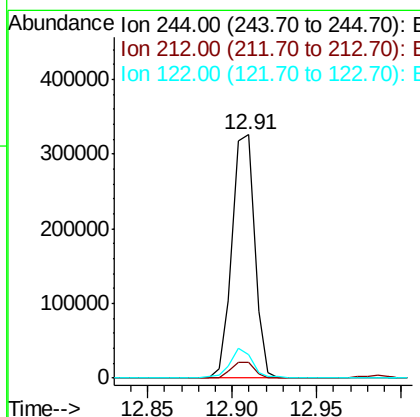
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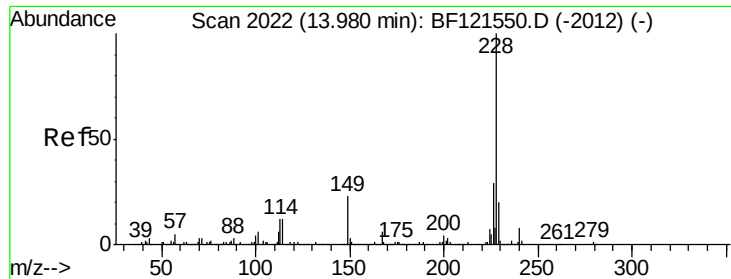
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#79
Terphenyl-d14
Concen: 15.968 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.6
122	9.8	8.2	12.4





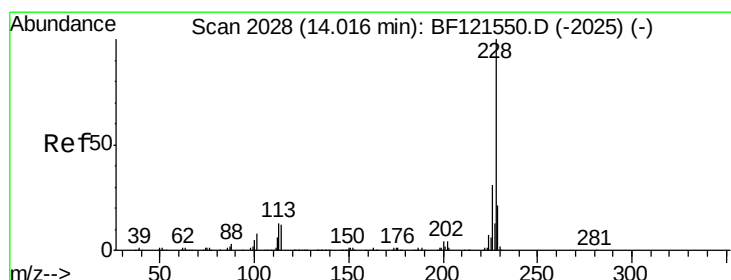
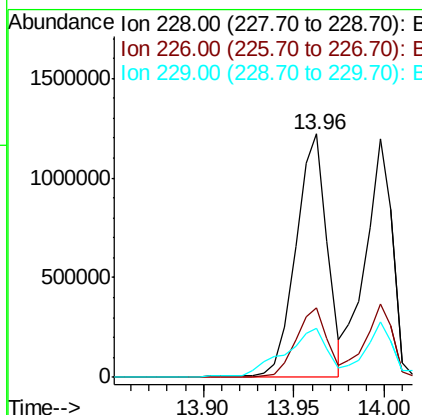
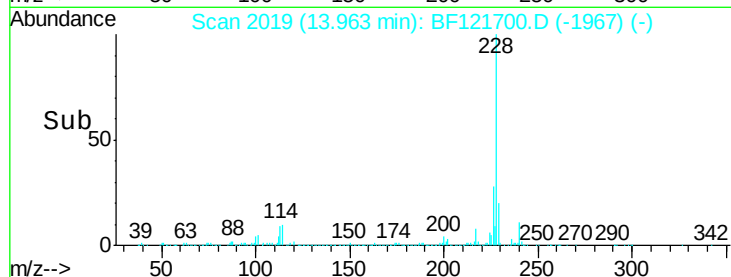
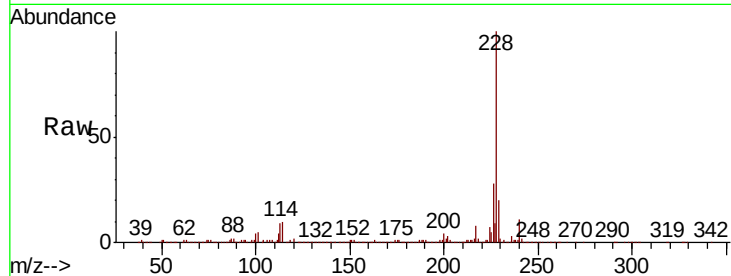
#81
Benzo(a)anthracene
Concen: 60.572 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.3	16.3	24.5

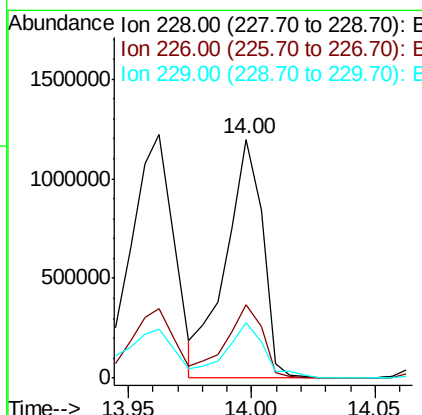
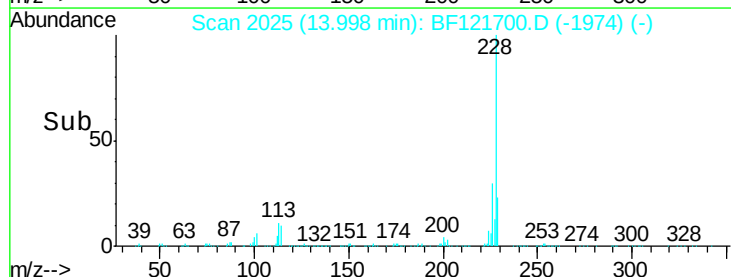
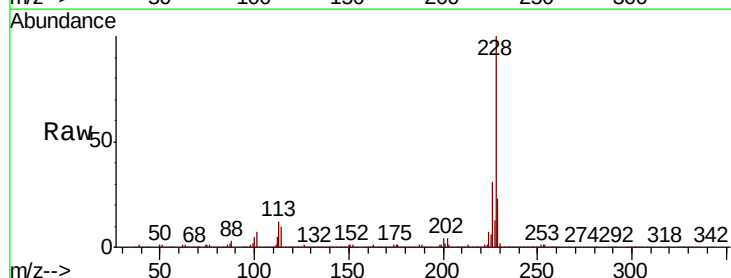
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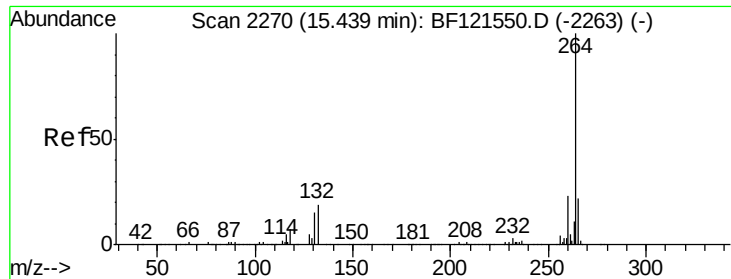
mohammad
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#83
Chrysene
Concen: 50.819 ng m
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	23.0	16.2	24.2





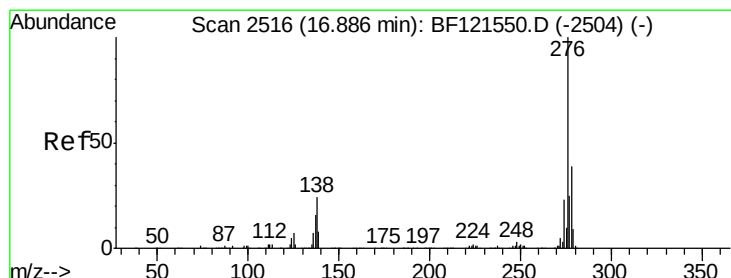
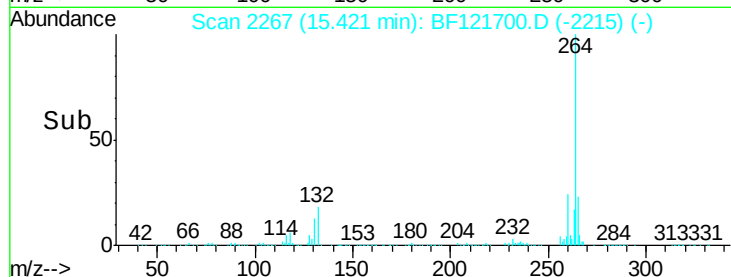
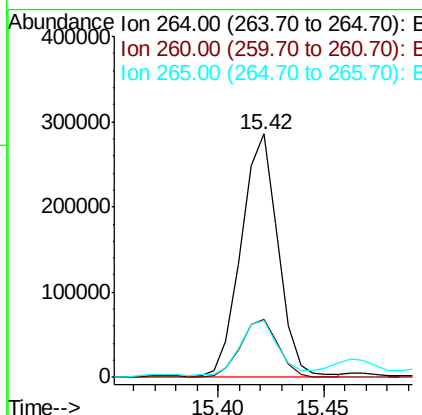
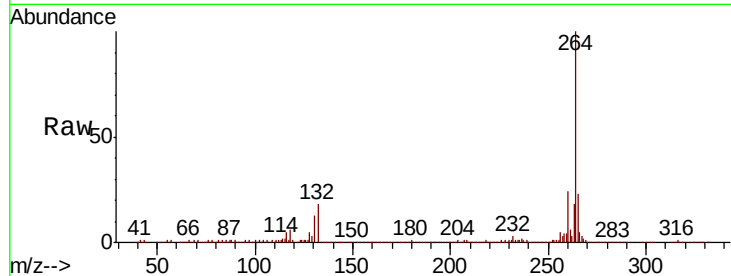
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion:	264	Resp:	344946
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.4	27.6
265	23.4	17.6	26.4

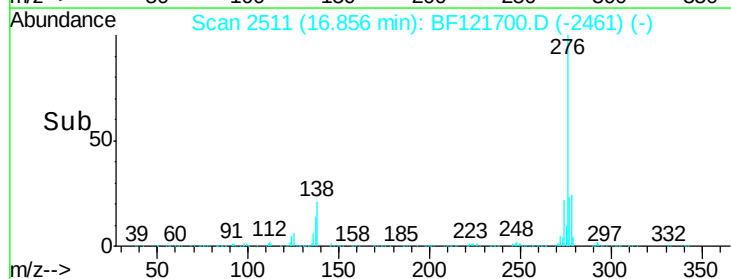
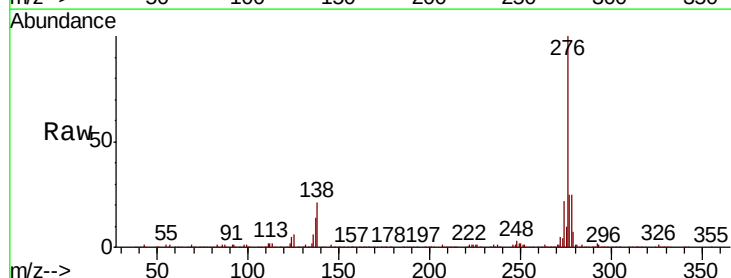
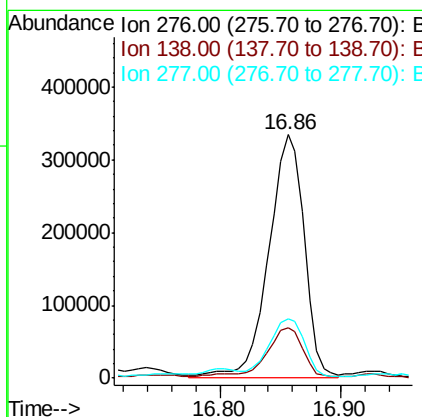
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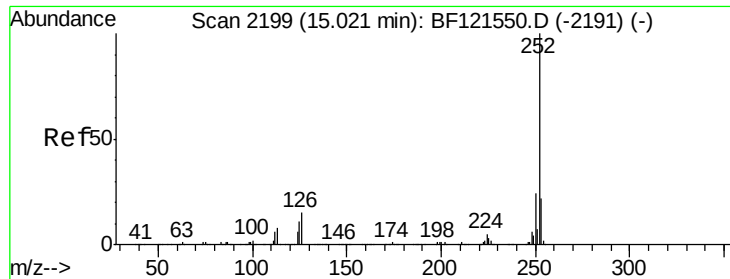
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 30.072 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion:	276	Resp:	675529
Ion Ratio	Lower	Upper	
276	100		
138	20.2	19.2	28.8
277	23.8	20.1	30.1





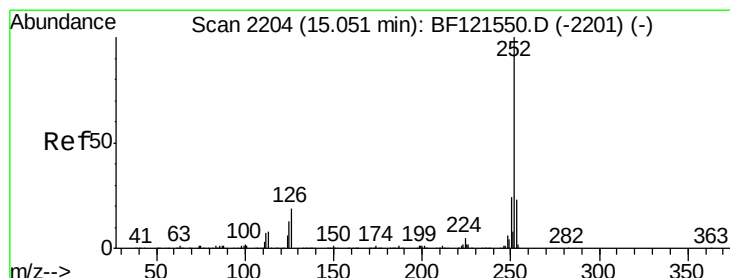
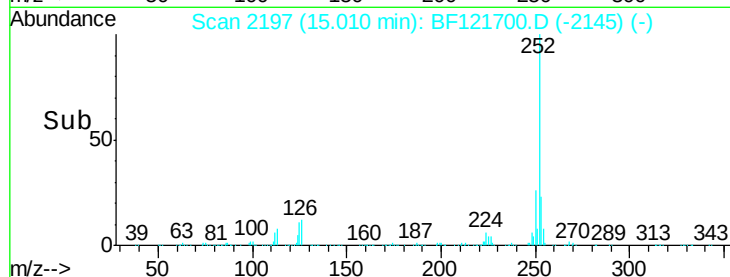
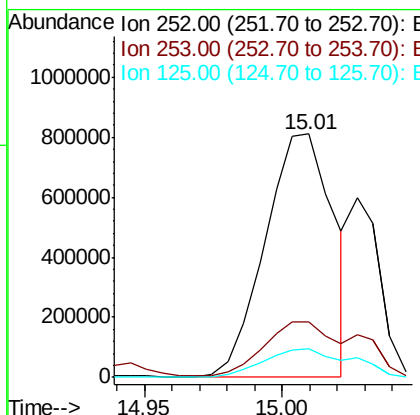
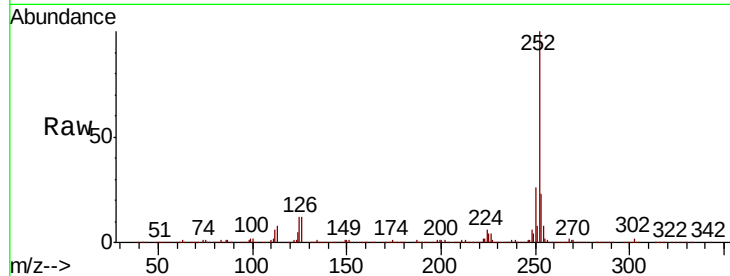
#88
Benzo(b)fluoranthene
Concen: 60.703 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampleId :
WR-PILE-5-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	11.6	7.8	11.6

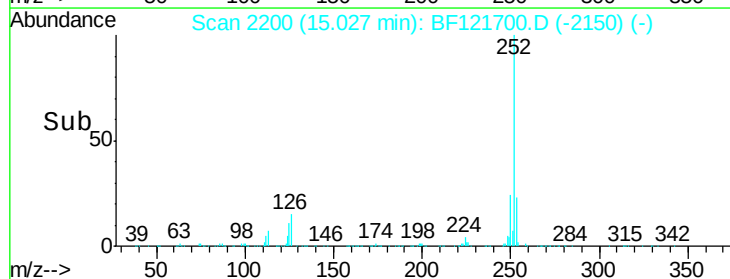
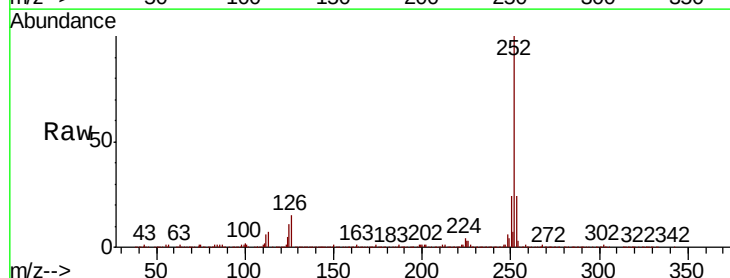
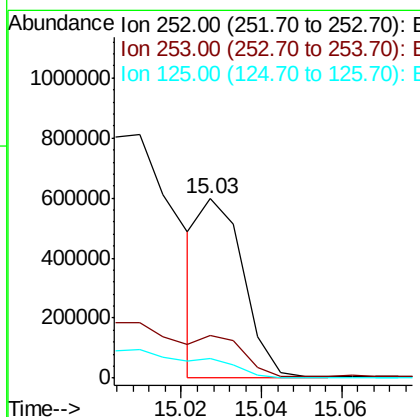
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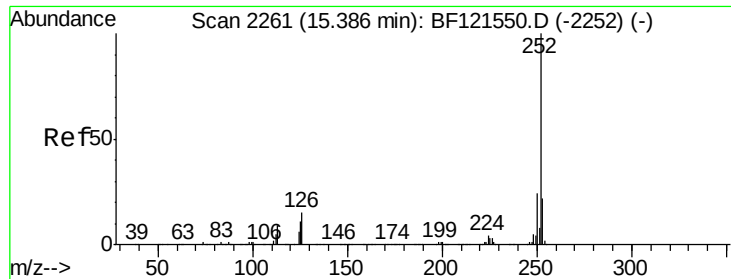
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#89
Benzo(k)fluoranthene
Concen: 21.367 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	10.9	8.2	12.4





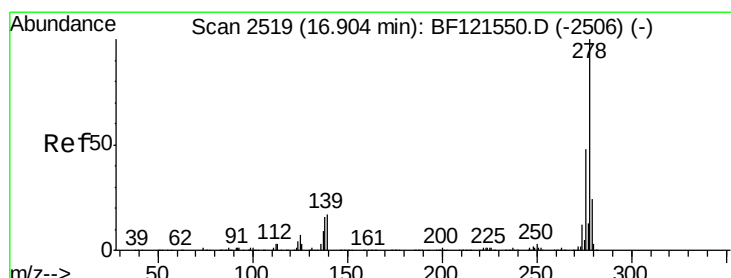
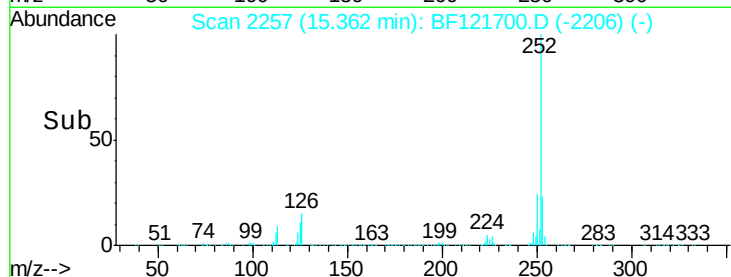
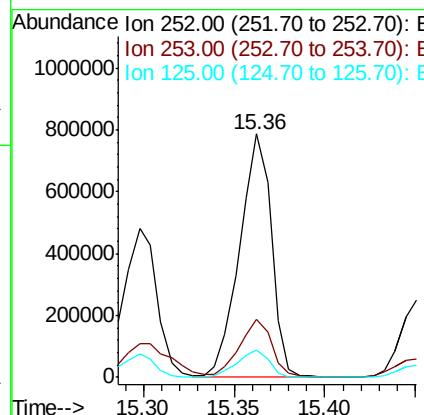
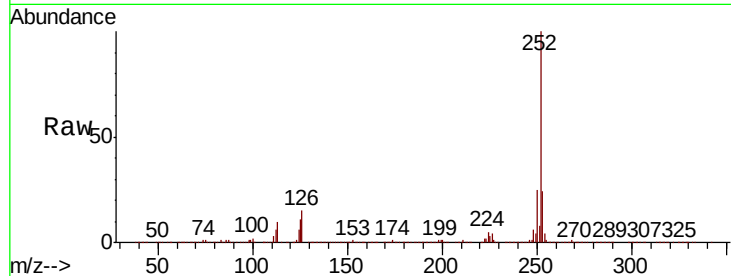
#90
Benzo(a)pyrene
Concen: 48.809 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Instrument :
BNA_F
ClientSampled :
WR-PILE-5-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.4	9.1	13.7

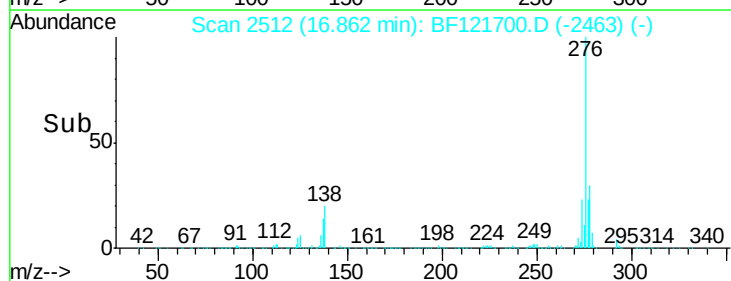
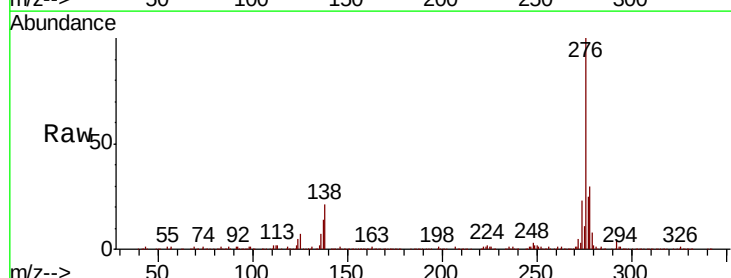
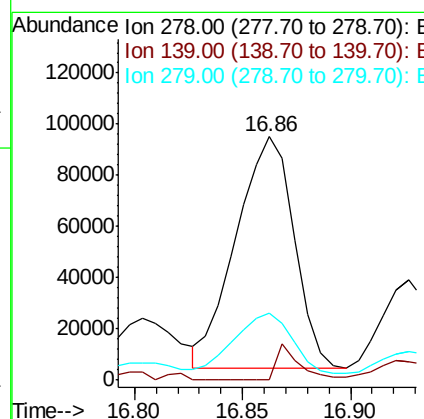
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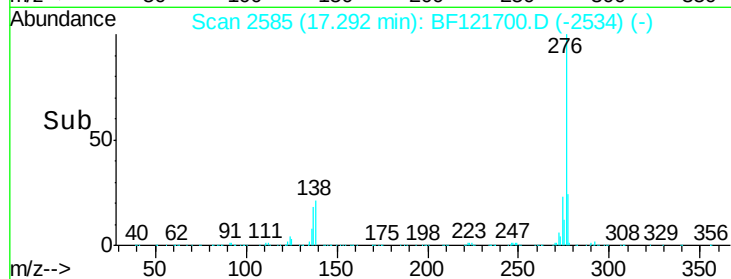
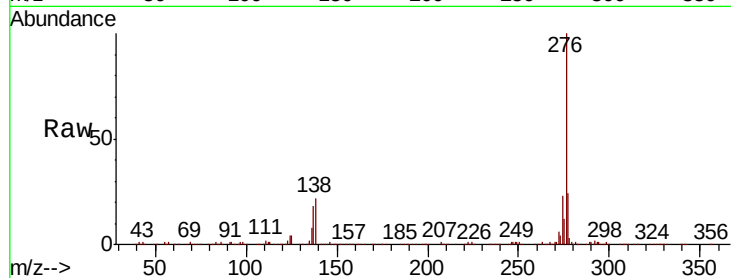
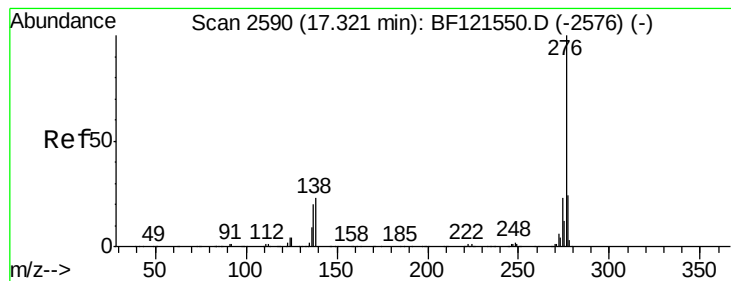
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#91
Dibenzo(a,h)anthracene
Concen: 8.938 ng m
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF121700.D
Acq: 25 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.3	19.4	29.2





#92

Benzo(a,h,i)perylene

Concen: 32.739 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BF121700.D

Acq: 25 Sep 2020 17:26

Tot Ion:	276	Resp:	601795
Ion Ratio		Lower	Upper
276	100		
277	24.2	18.7	28.1
138	21.8	16.8	25.2

Instrument :

BNA_F

ClientSampleId :

WR-PILE-5-7

Manual Integrations
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