

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
 Data File : BF121586.D
 Acq On : 15 Sep 2020 19:33
 Operator : JU/CG
 Sample : L4005-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 32-34

Manual Integrations
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mohammad
 9/16/2020 10:15:00 AM

Quant Time: Sep 16 01:56:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	222220	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	802867	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	402759	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	682469	20.00	ng	0.00
76) Chrysene-d12	13.99	240	439477	20.00	ng	0.00
86) Perylene-d12	15.45	264	432648	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	225447	15.08	ng	0.00
7) Phenol-d6	6.47	99	295800	15.08	ng	0.00
23) Nitrobenzene-d5	7.39	82	186307	12.46	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	67206	13.43	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	350672	13.19	ng	0.00
79) Terphenyl-d14	12.93	244	279303	12.88	ng	0.00
Target Compounds						
71) Phenanthrene	11.37	178	185468	4.988	ng	98
75) Fluoranthene	12.56	202	256731	6.468	ng	98
78) Pyrene	12.79	202	235982	7.349	ng	99
81) Benzo(a)anthracene	13.98	228	104753	3.768	ng	95
83) Chrysene	14.02	228	107207	3.808	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	56637	2.010	ng	94
88) Benzo(b)fluoranthene	15.03	252	148020m	5.118	ng	
90) Benzo(a)pyrene	15.39	252	96294	3.917	ng	# 89
92) Benzo(g,h,i)perylene	17.33	276	50326	2.183	ng	# 93

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

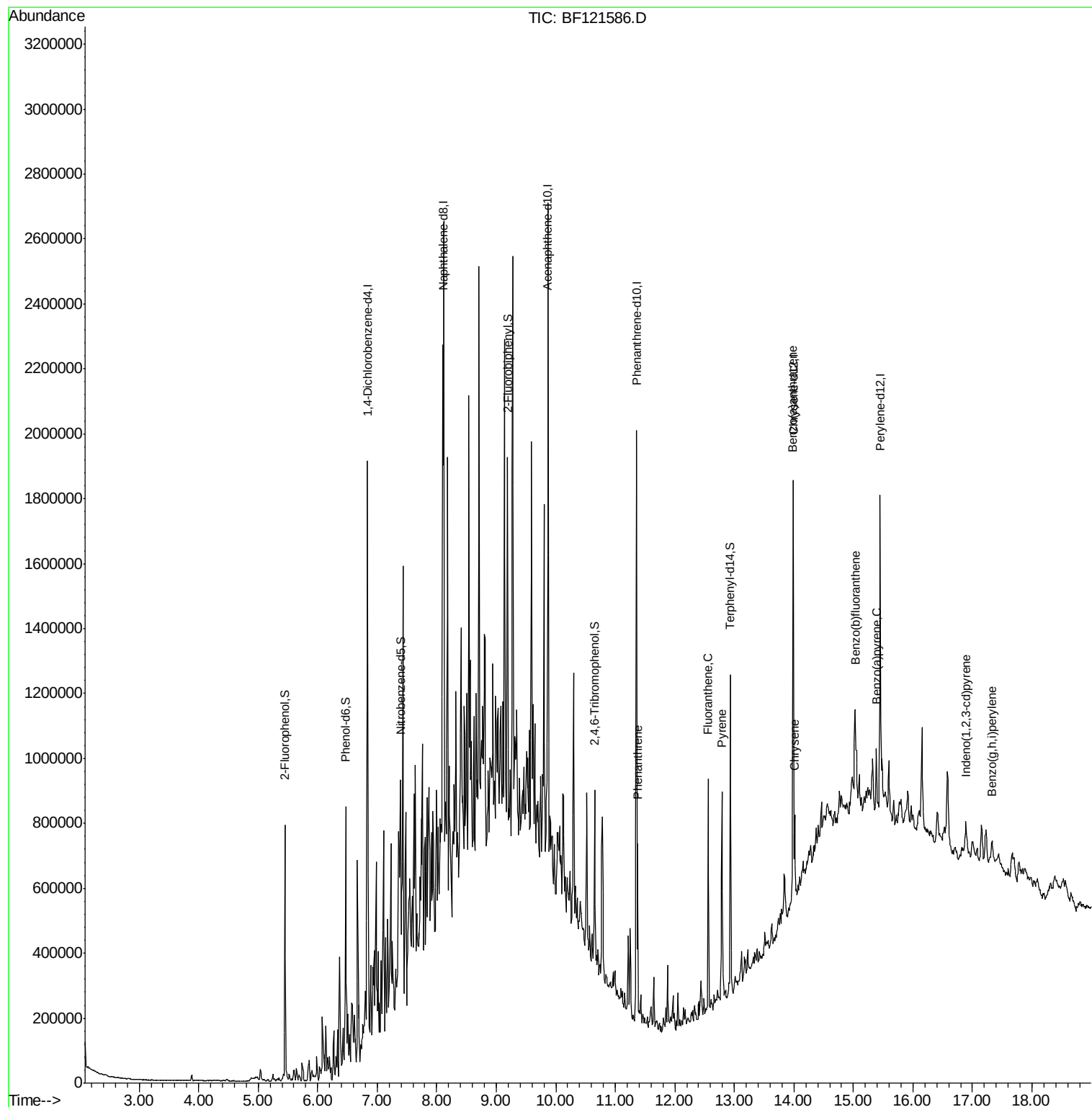
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
Data File : BF121586.D
Acq On : 15 Sep 2020 19:33
Operator : JU/CG
Sample : L4005-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

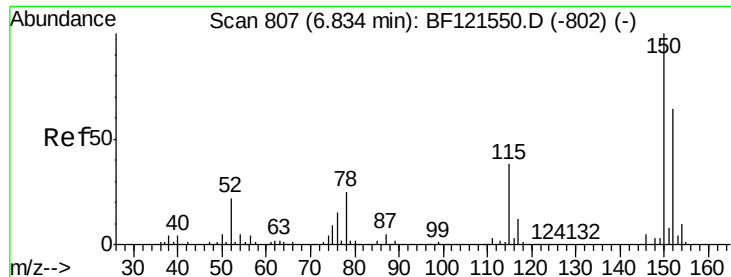
Instrument :
BNA_F
ClientSampled :
32-34

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Quant Time: Sep 16 01:56:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration





#1

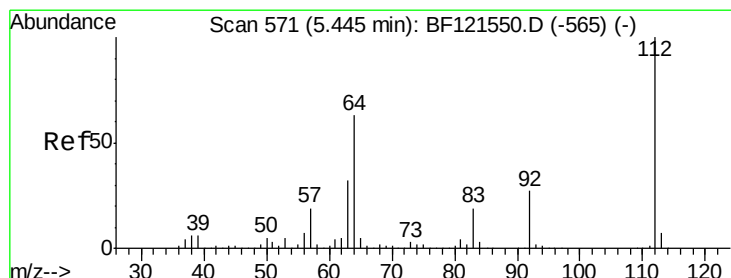
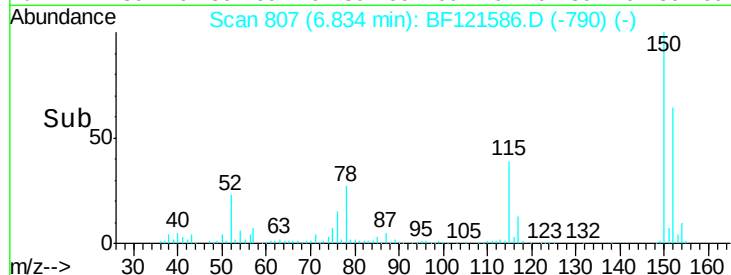
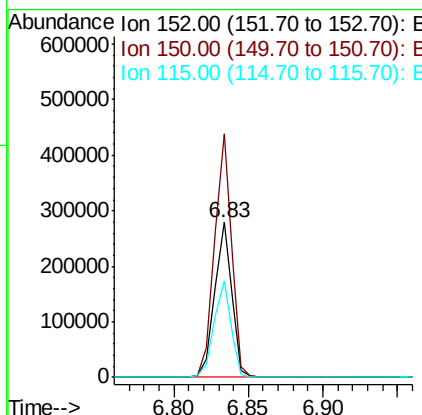
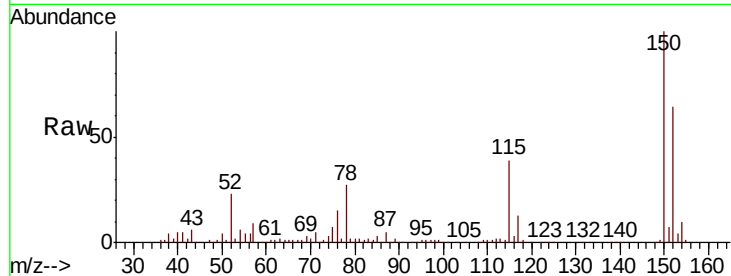
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Instrument :
BNA_F
ClientSampled :
32-34

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.8	188.6
115	61.9	47.8	71.8

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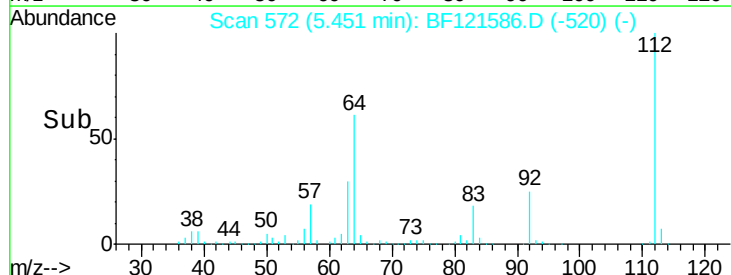
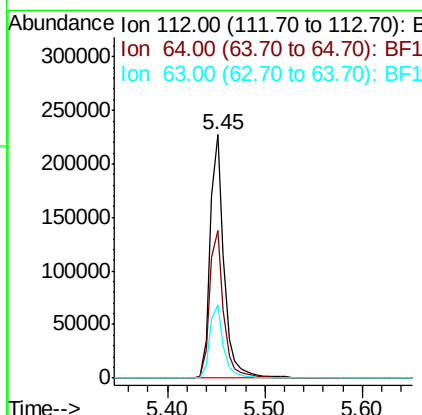
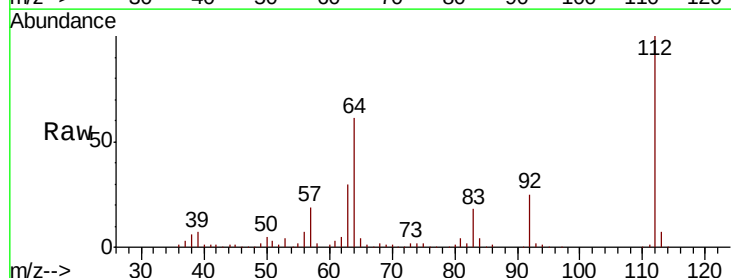
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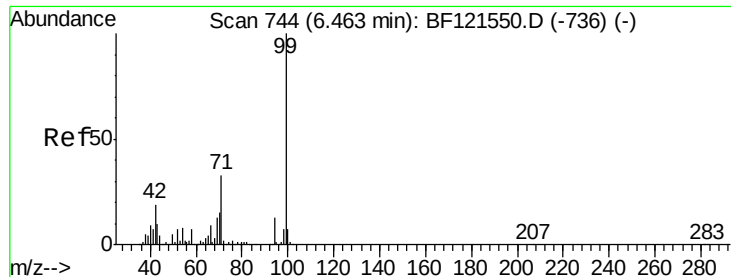


#5

2-Fluorophenol
Concen: 15.077 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	50.3	75.5
63	30.1	25.6	38.4





#7

Phenol-d6

Concen: 15.078 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Instrument :

BNA_F

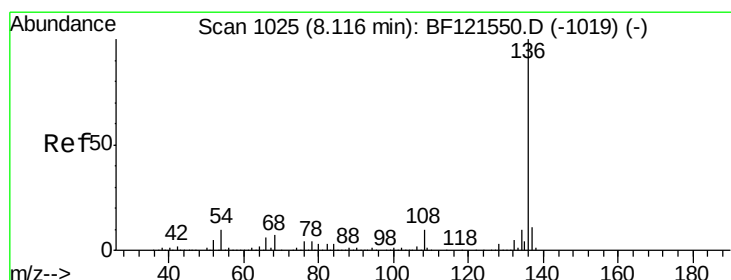
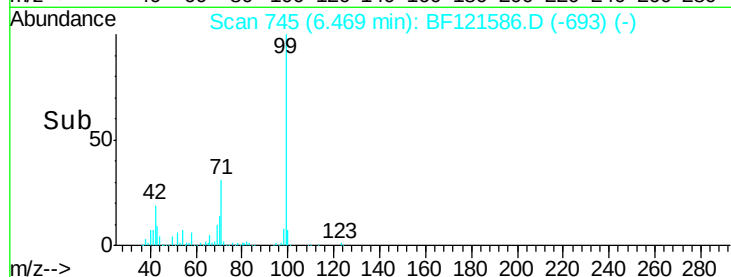
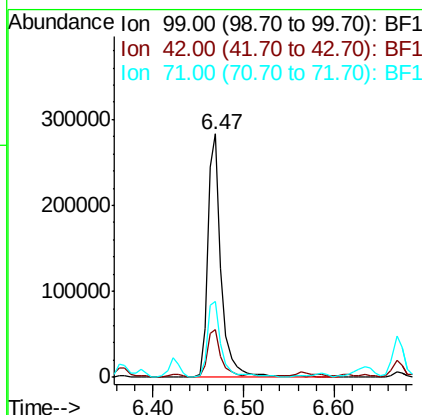
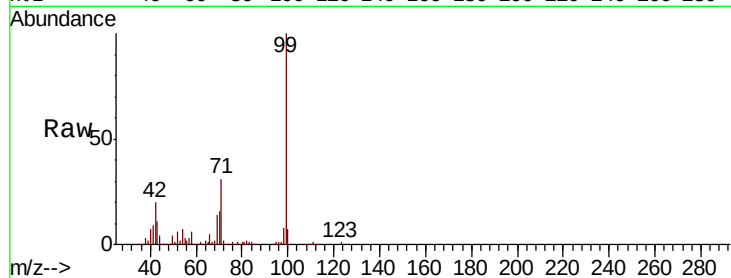
ClientSampleId :

32-34

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		295800		
42	19.6	15.5	23.3		
71	31.3	26.1	39.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

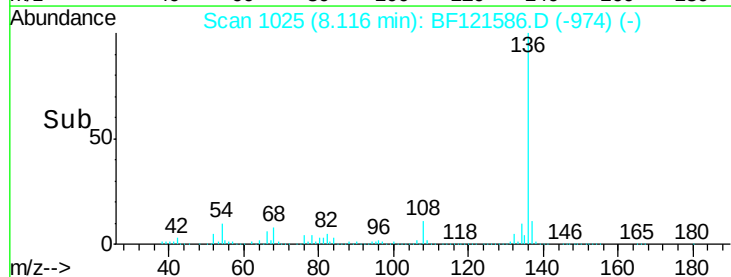
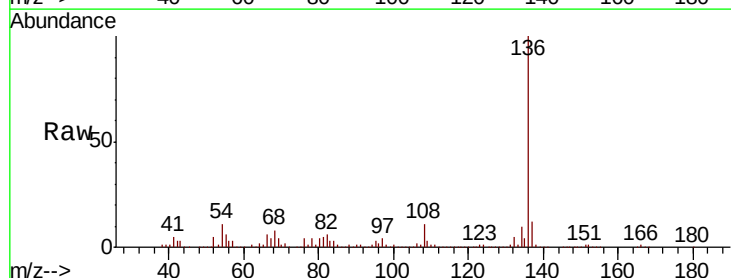
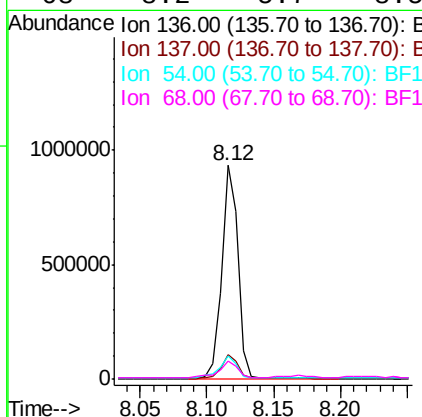
RT: 8.12 min Scan# 1025

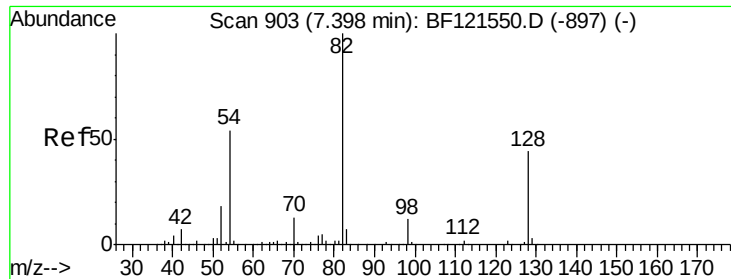
Delta R.T. -0.00 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		802867		
137	11.6	9.0	13.6		
54	10.5	7.6	11.4		
68	8.2	5.7	8.5		





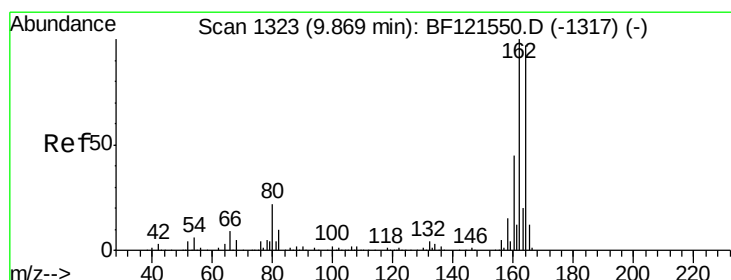
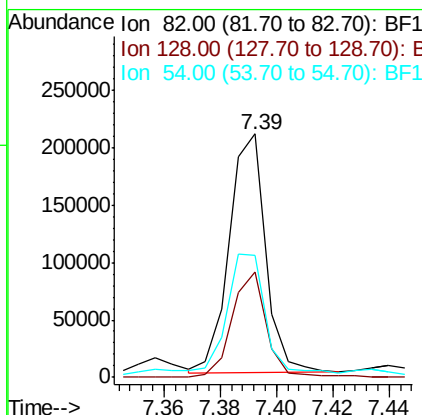
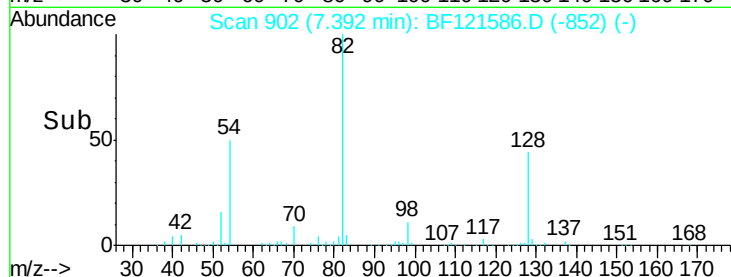
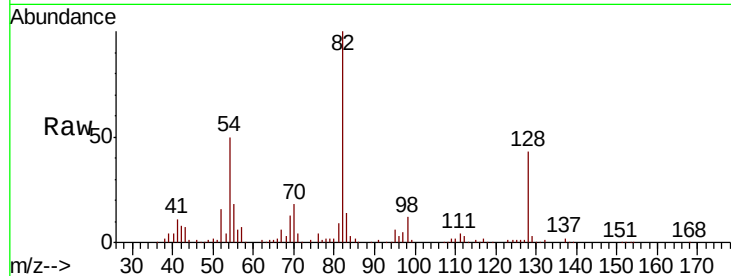
#23
 Nitrobenzene-d5
 Concen: 12.459 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF121586.D
 Acq: 15 Sep 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 32-34

Tot Ion	82	Resp	186307
Ion Ratio	100	Lower	Upper
128	43.0	35.1	52.7
54	50.3	43.0	64.6

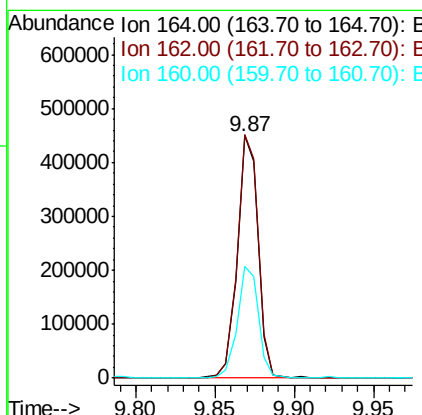
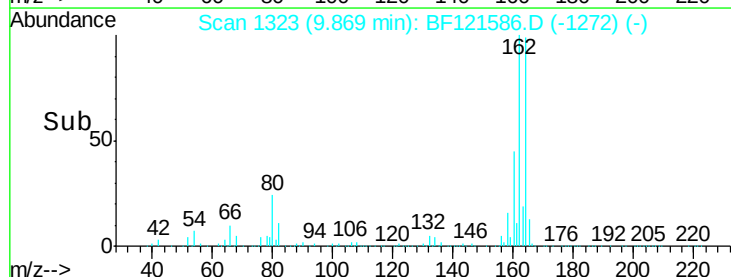
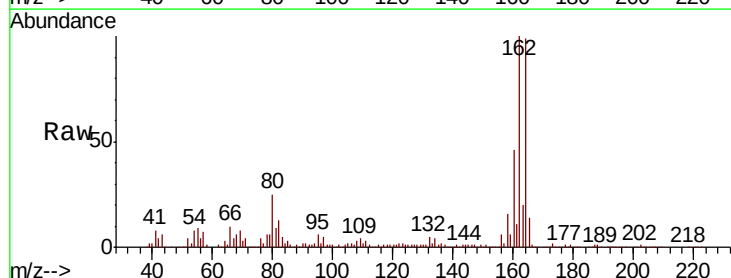
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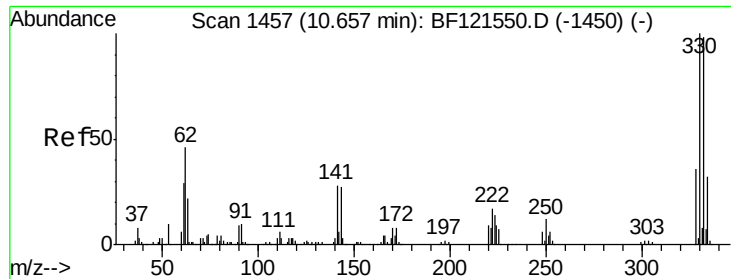
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF121586.D
 Acq: 15 Sep 2020 19:33

Tgt Ion	164	Resp	402759
Ion Ratio	100	Lower	Upper
162	100.6	82.3	123.5
160	45.9	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 13.426 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Instrument :

BNA_F

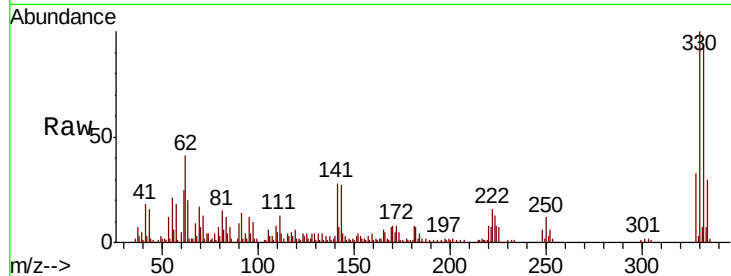
ClientSampled :

32-34

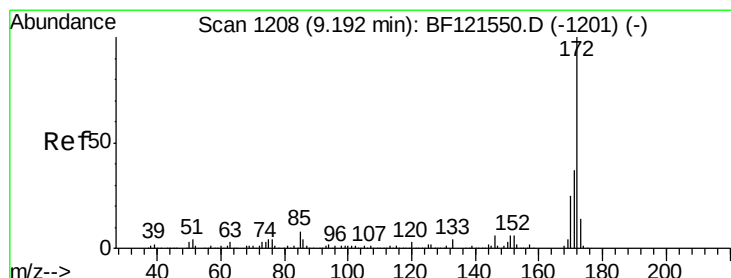
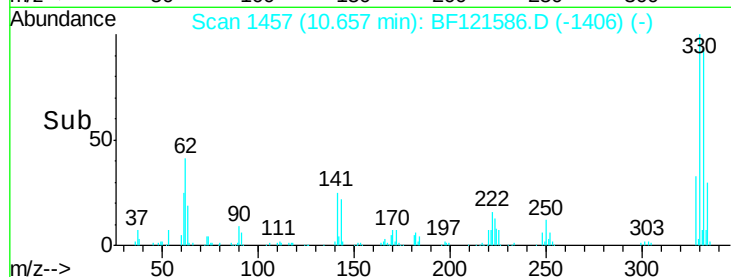
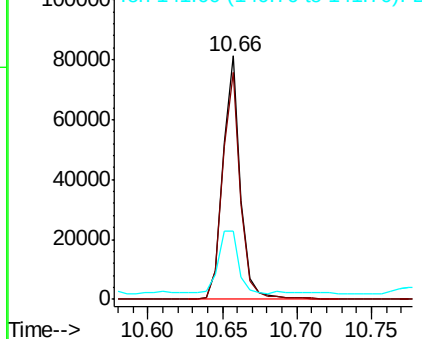
Tot Ion:	330	Resp:	67206
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.1	115.7
141	29.1	23.6	35.4

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 13.187 ng

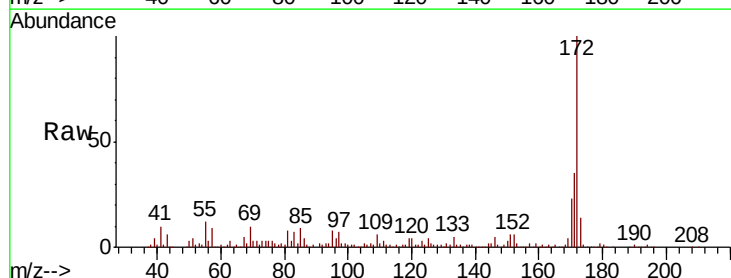
RT: 9.19 min Scan# 1208

Delta R.T. -0.00 min

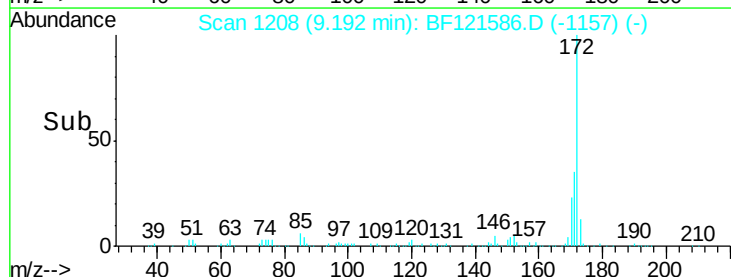
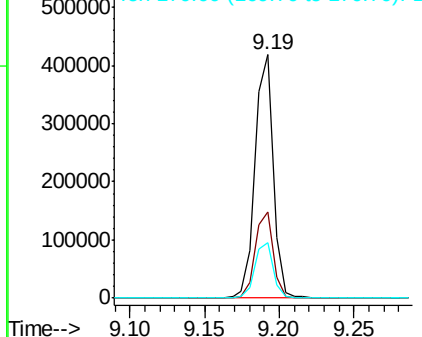
Lab File: BF121586.D

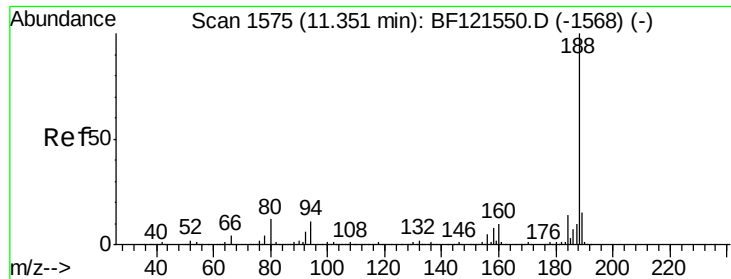
Acq: 15 Sep 2020 19:33

Tgt Ion:	172	Resp:	350672
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.8	44.6
170	23.0	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Instrument :

BNA_F

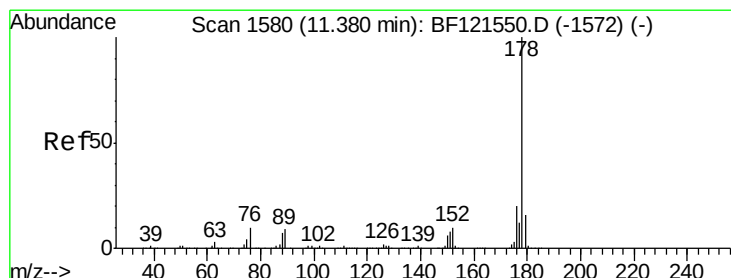
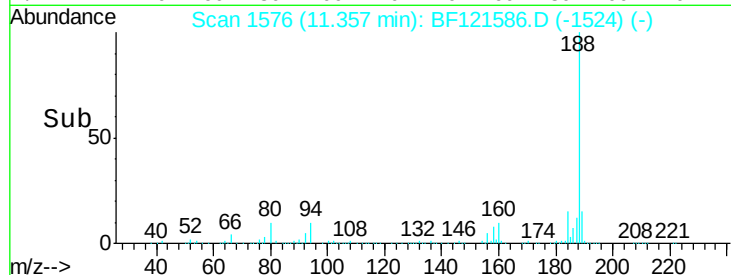
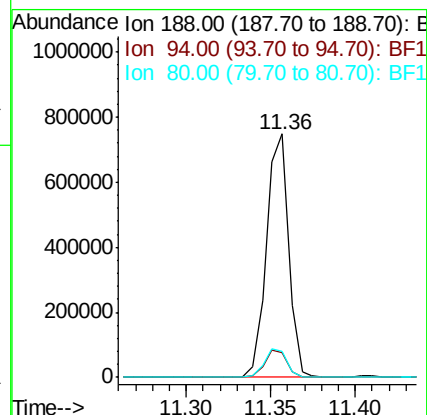
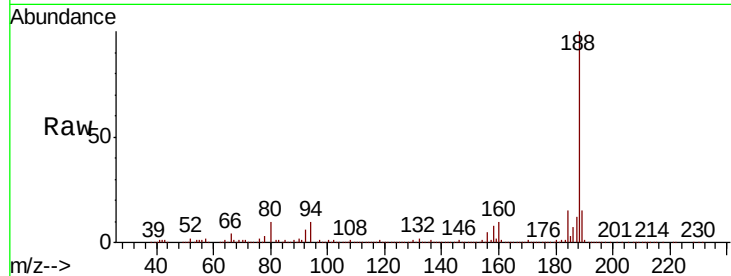
ClientSampled :

32-34

Tot Ion:	188	Resp:	682469
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.7	13.1
80	10.5	9.3	13.9

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#71

Phenanthrene

Concen: 4.988 ng

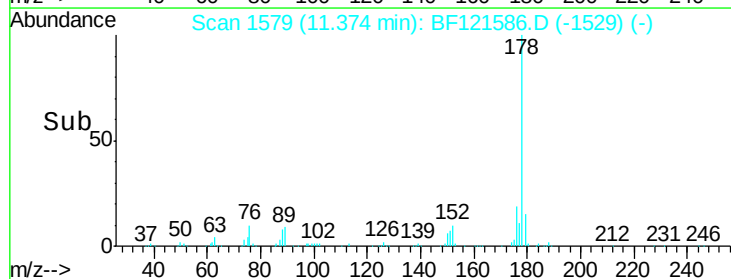
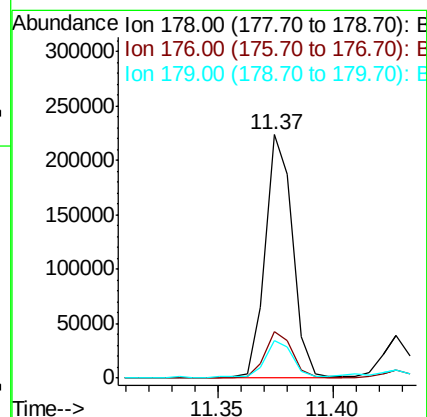
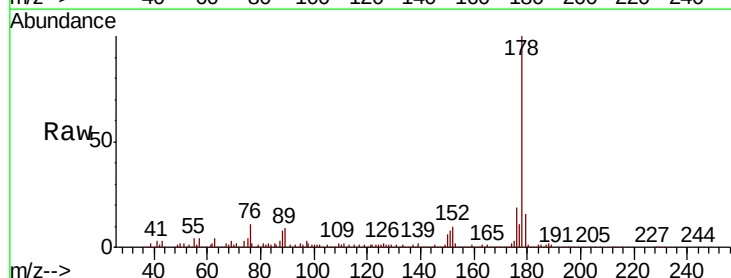
RT: 11.37 min Scan# 1579

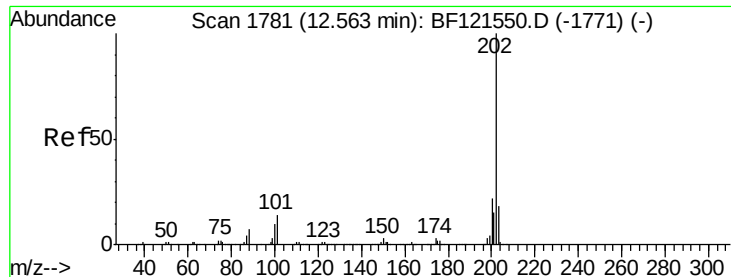
Delta R.T. -0.01 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Tgt Ion:	178	Resp:	185468
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	15.5	12.6	19.0





#75

Fluoranthene

Concen: 6.468 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Instrument :

BNA_F

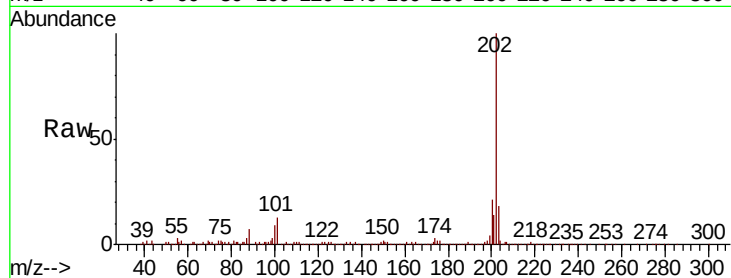
ClientSampleId :

32-34

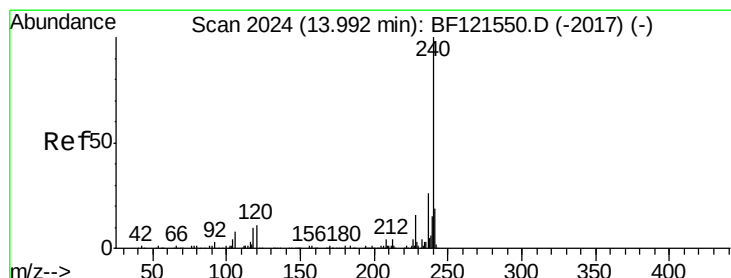
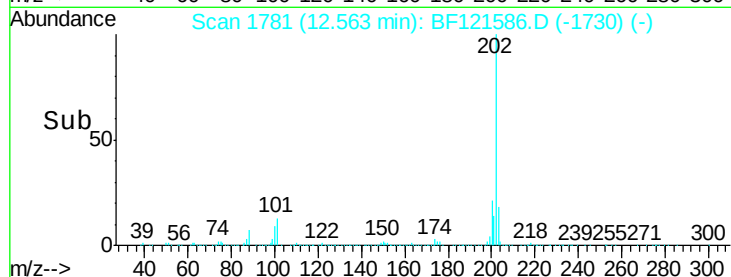
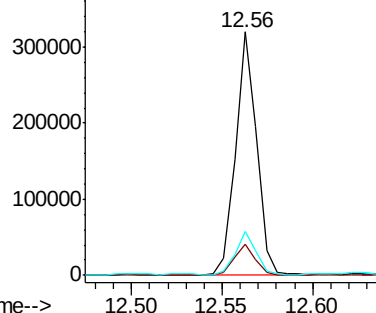
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		256731		
101	12.8	0.0	34.0		
203	17.9	0.0	38.2		

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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

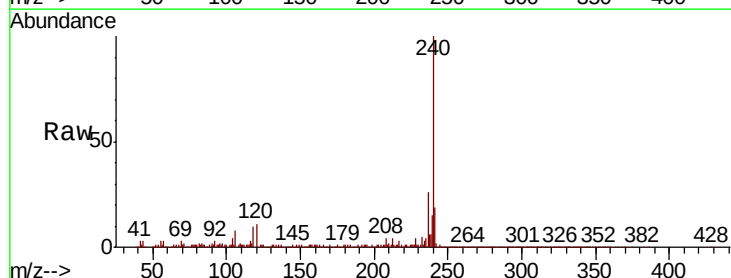
RT: 13.99 min Scan# 2024

Delta R.T. -0.00 min

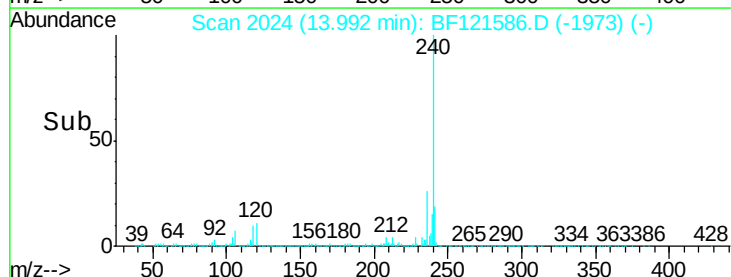
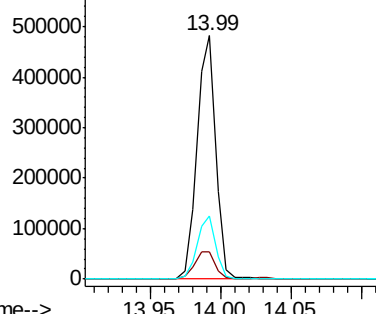
Lab File: BF121586.D

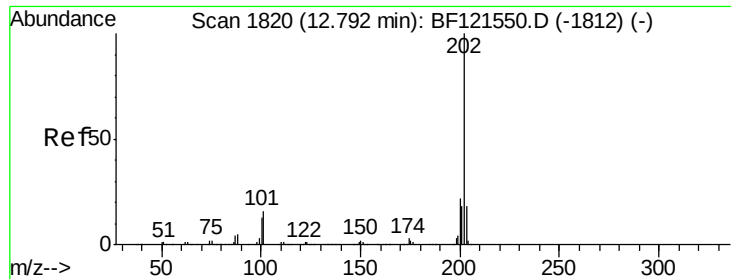
Acq: 15 Sep 2020 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		439477		
120	11.3	9.2	13.8		
236	25.9	20.5	30.7		



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





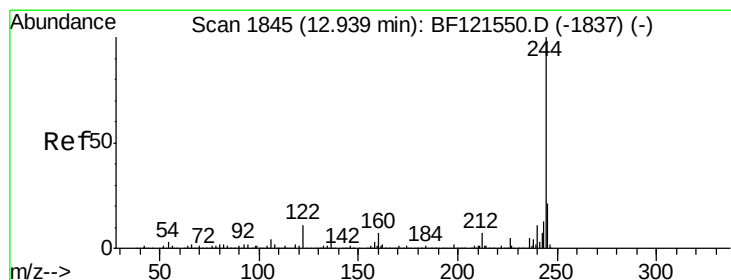
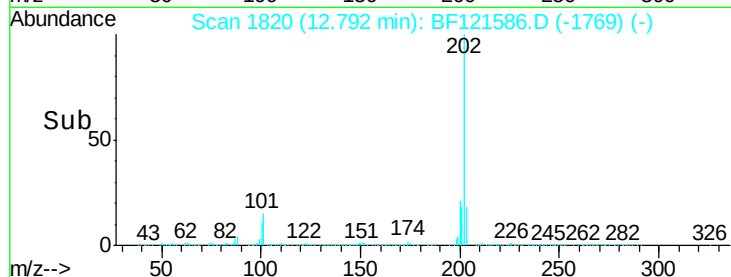
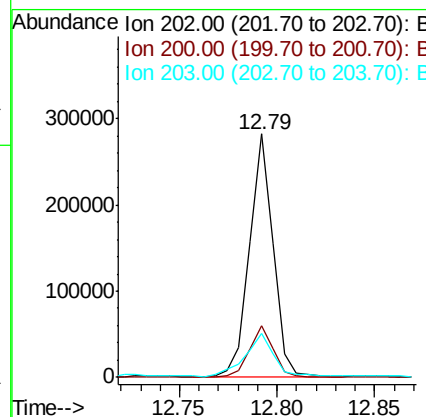
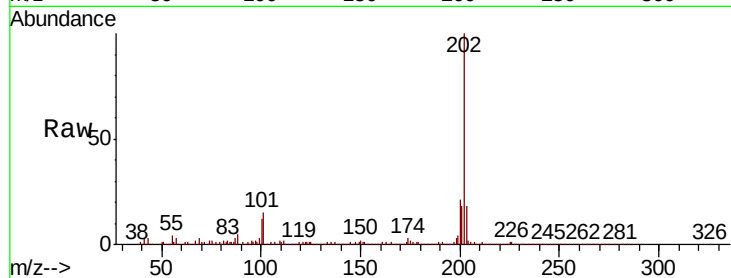
#78
Pvrene
Concen: 7.349 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Instrument :
BNA_F
ClientSampleId :
32-34

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.8	26.8	
203	18.1	14.6	22.0	

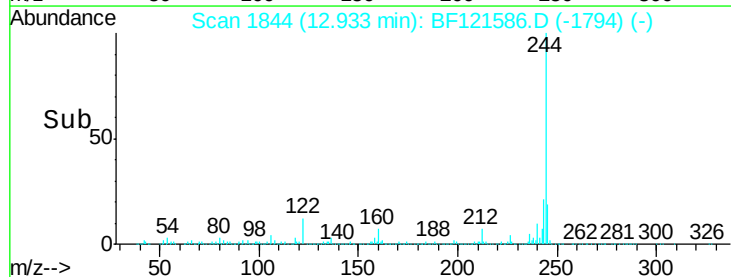
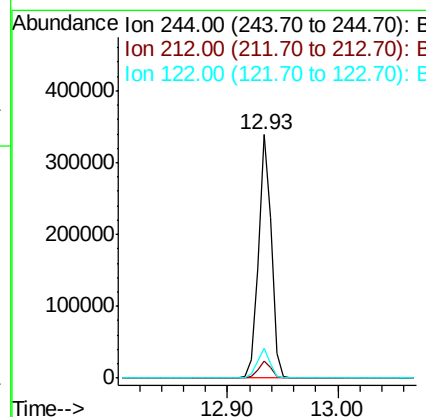
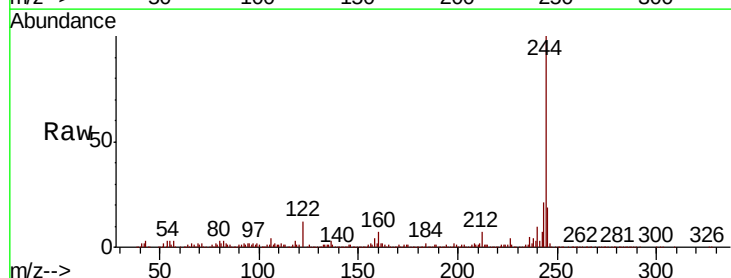
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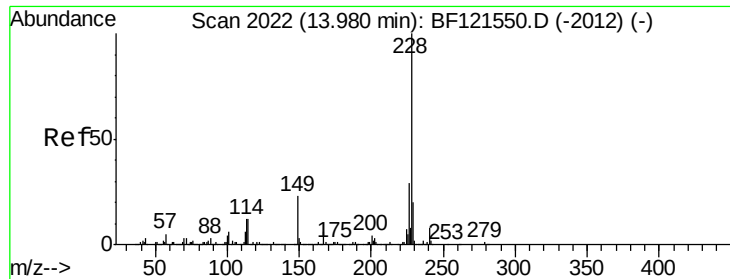
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#79
Terphenyl-d14
Concen: 12.875 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.7	8.5	
122	12.5	8.7	13.1	





#81

Benzo(a)anthracene

Concen: 3.768 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Instrument :

BNA_F

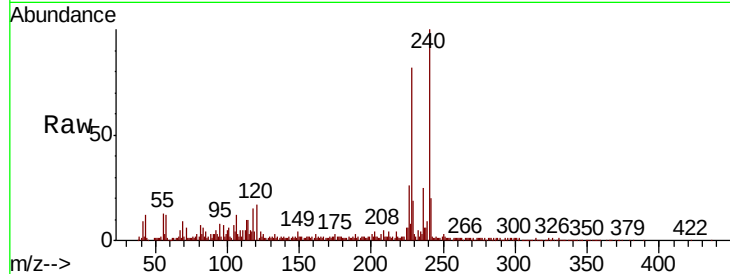
ClientSampled :

32-34

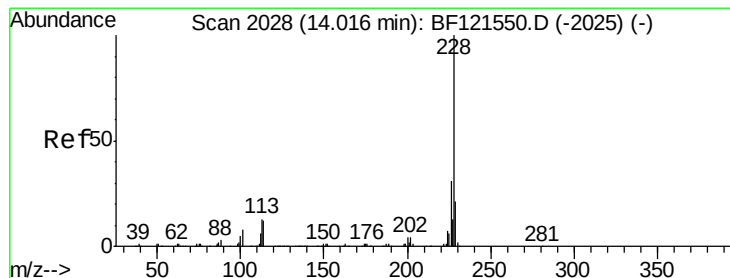
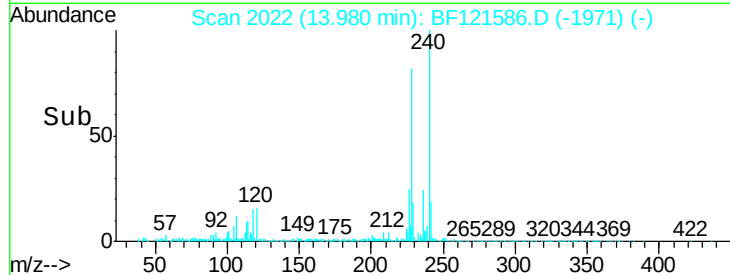
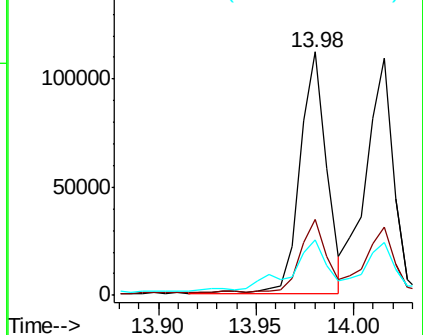
Tot Ion:	228	Resp:	104753
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.9	34.3
229	23.0	16.3	24.5

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



#83

Chrysene

Concen: 3.808 ng

RT: 14.02 min Scan# 2028

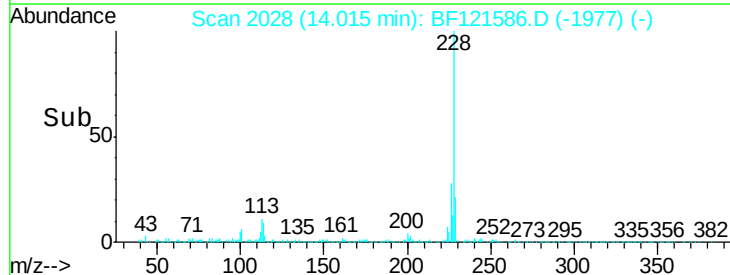
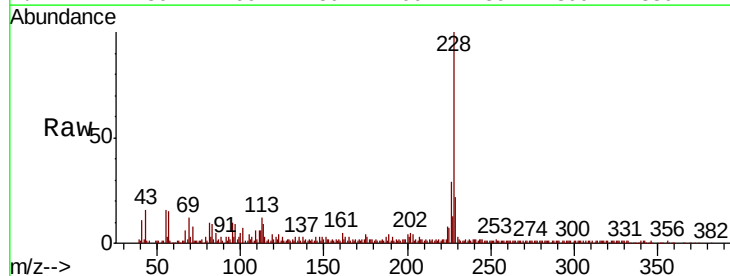
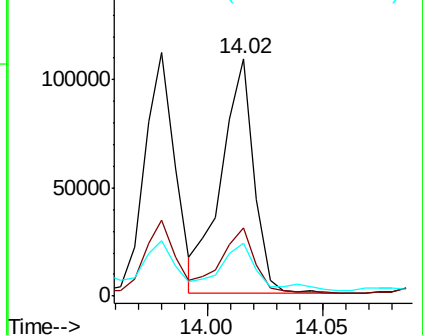
Delta R.T. -0.00 min

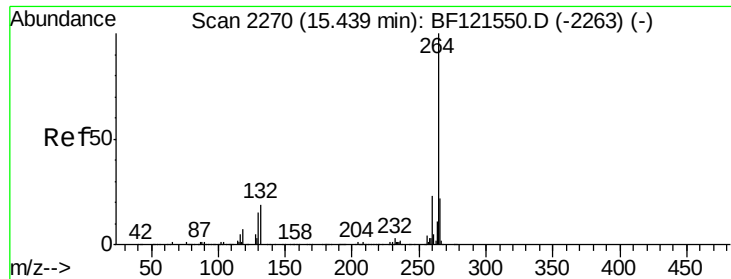
Lab File: BF121586.D

Acq: 15 Sep 2020 19:33

Tgt Ion:	228	Resp:	107207
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.1	37.7
229	22.3	16.6	25.0

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





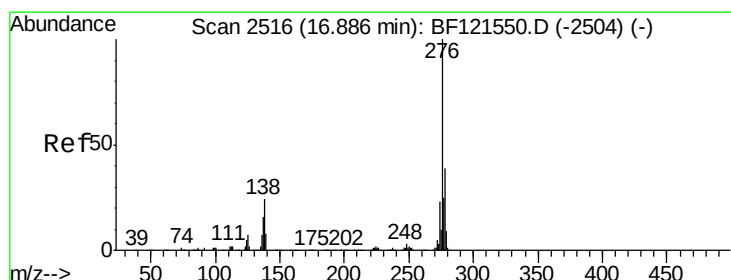
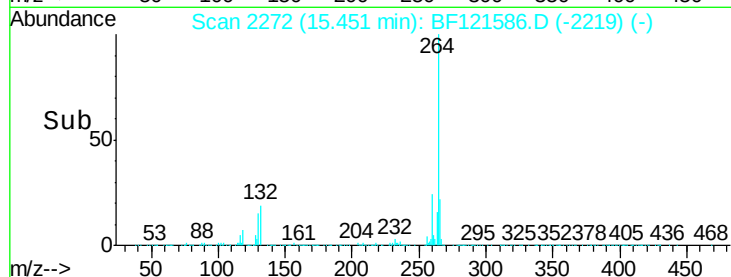
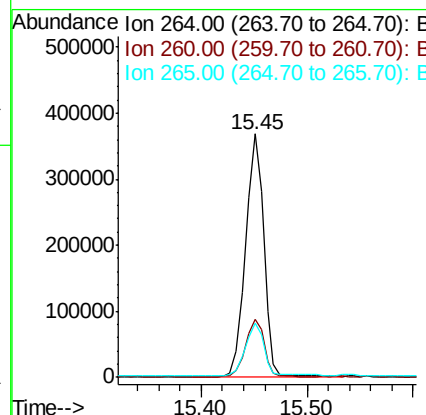
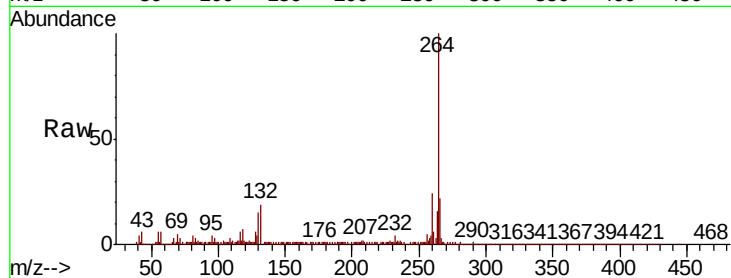
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Instrument :
BNA_F
ClientSampled :
32-34

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.1	17.8	26.6

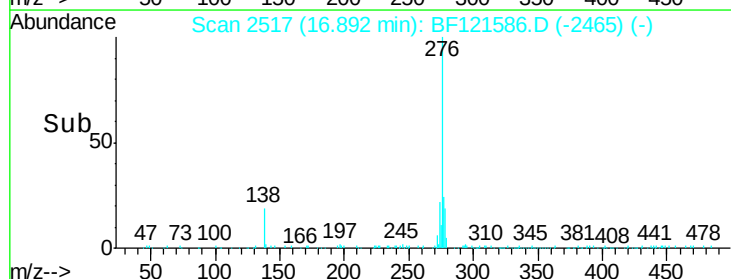
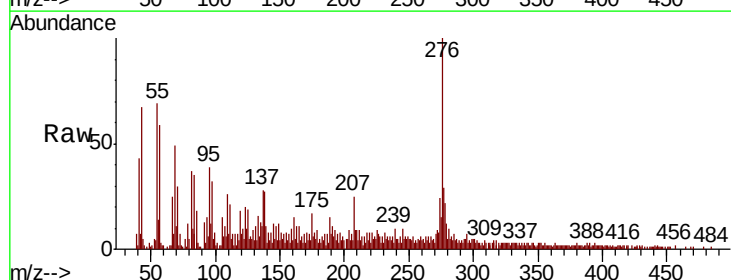
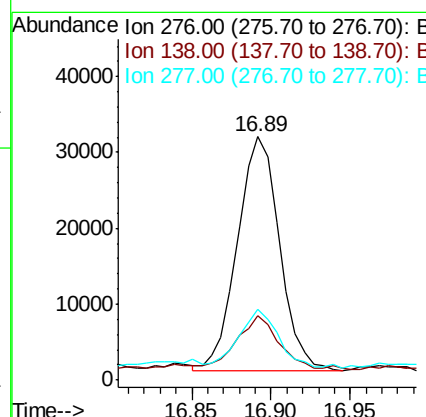
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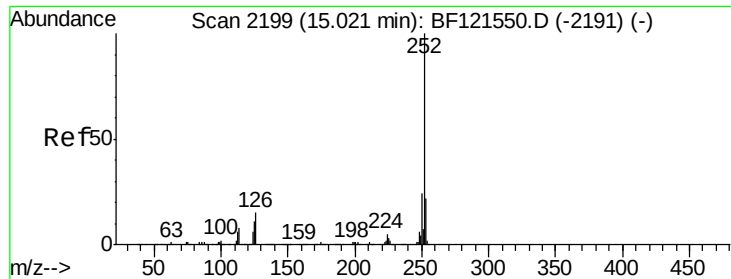
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.010 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.6	31.0
277	23.7	20.2	30.4





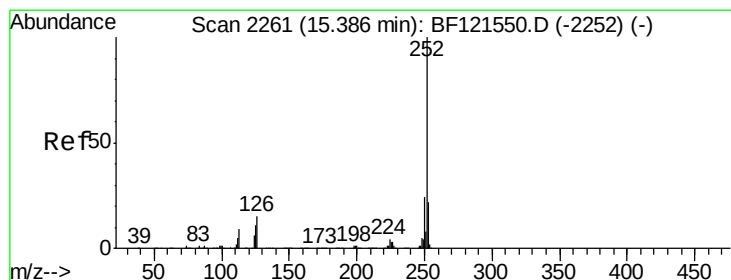
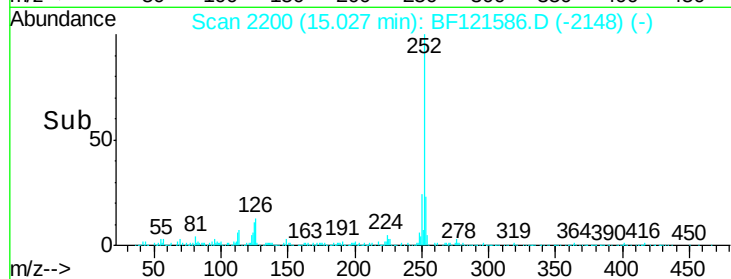
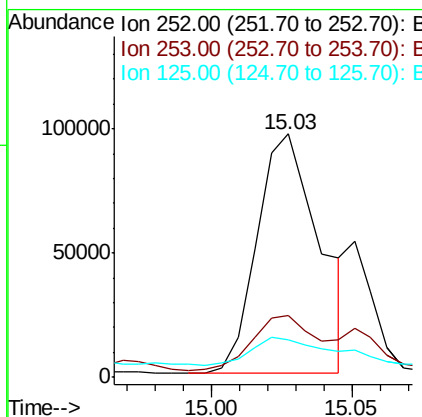
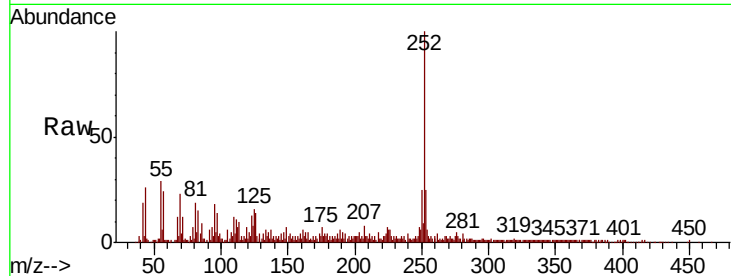
#88
Benzo(b)fluoranthene
Concen: 5.118 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Instrument :
BNA_F
ClientSampleId :
32-34

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	15.6	9.2	13.8

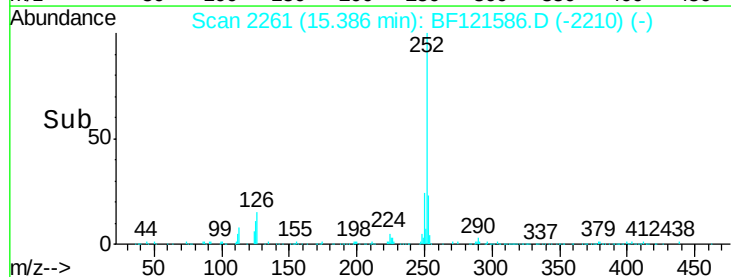
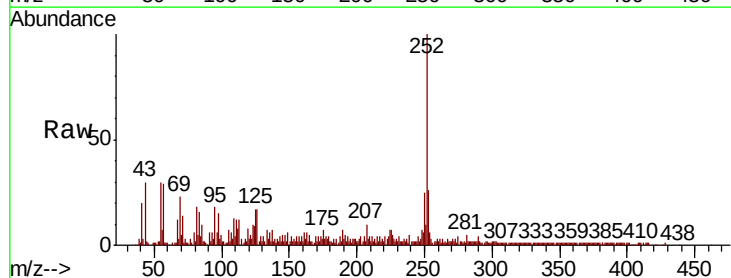
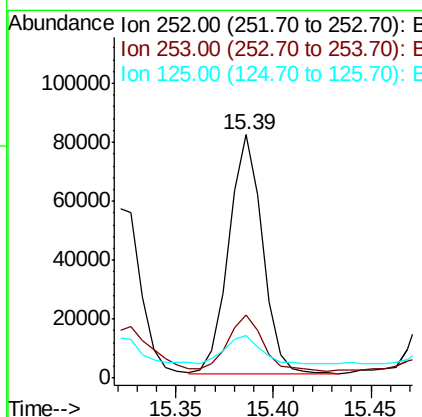
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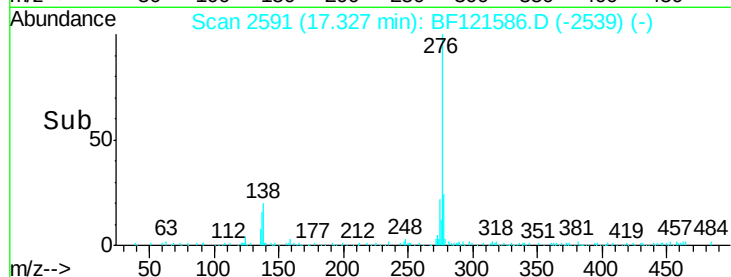
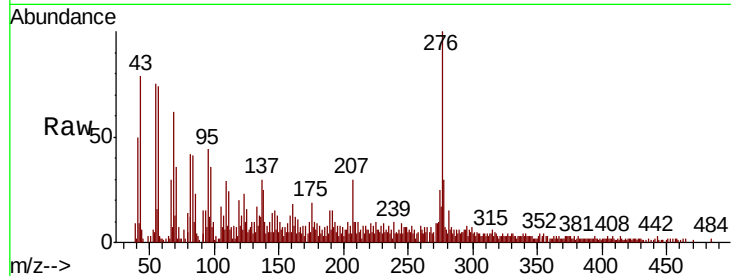
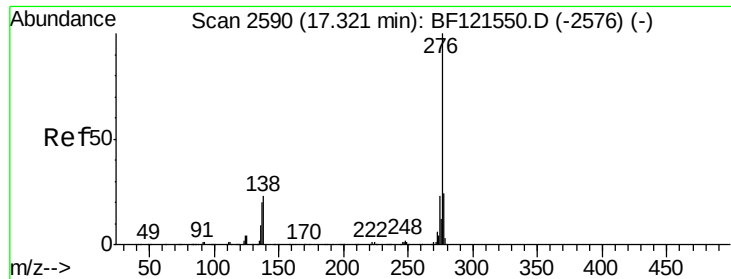
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#90
Benzo(a)pyrene
Concen: 3.917 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF121586.D
Acq: 15 Sep 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	17.5	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 2.183 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.01 min
 Lab File: BF121586.D
 Acq: 15 Sep 2020 19:33

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.7	19.4	29.0#
138	24.7	18.7	28.1

Instrument :
 BNA_F
 ClientSampleId :
 32-34

Manual Integrations
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