

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121562.D
 Acq On : 14 Sep 2020 16:01
 Operator : JU/CG
 Sample : L3981-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B18-4-6

Manual Integrations
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Quant Time: Sep 14 17:02:08 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	188463	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	719002	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	374035	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	692614	20.00	ng	0.00
76) Chrysene-d12	13.99	240	492666	20.00	ng	0.00
86) Perylene-d12	15.44	264	460052	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	815051	64.27	ng	0.01
7) Phenol-d6	6.47	99	1066186	64.08	ng	0.01
23) Nitrobenzene-d5	7.39	82	668242	49.90	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	310193	66.73	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1216623	49.26	ng	0.00
79) Terphenyl-d14	12.94	244	1198290	49.28	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	171163	6.314	ng	99
71) Phenanthrene	11.37	178	155993	4.134	ng	98
75) Fluoranthene	12.56	202	443278	11.004	ng	98
78) Pyrene	12.79	202	408123	11.338	ng	98
81) Benzo(a)anthracene	13.97	228	203823	6.539	ng	96
83) Chrysene	14.02	228	231821	7.345	ng	98
87) Indeno(1,2,3-cd)pyrene	16.87	276	146649	4.895	ng	96
88) Benzo(b)fluoranthene	15.02	252	311247m	10.120	ng	
89) Benzo(k)fluoranthene	15.04	252	78921m	2.802	ng	
90) Benzo(a)pyrene	15.38	252	174409	6.671	ng	96
92) Benzo(g,h,i)perylene	17.31	276	133609	5.450	ng	98

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

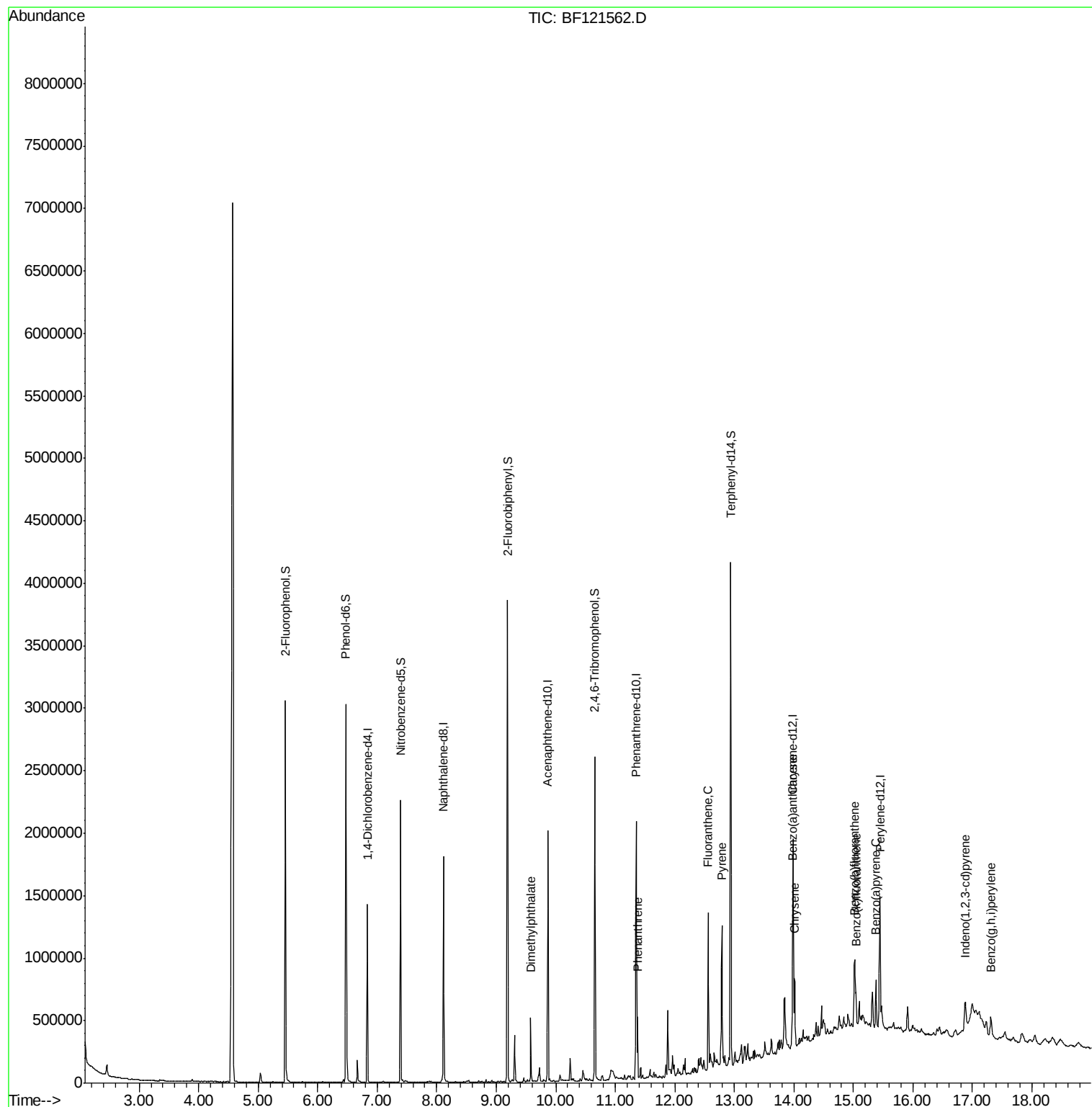
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
Data File : BF121562.D
Acq On : 14 Sep 2020 16:01
Operator : JU/CG
Sample : L3981-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

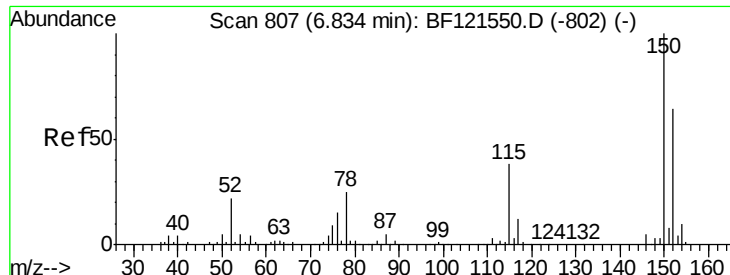
Instrument :
BNA_F
ClientSampleId :
B18-4-6

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Quant Time: Sep 14 17:02:08 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

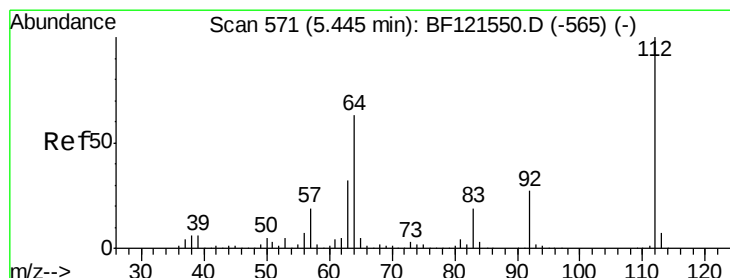
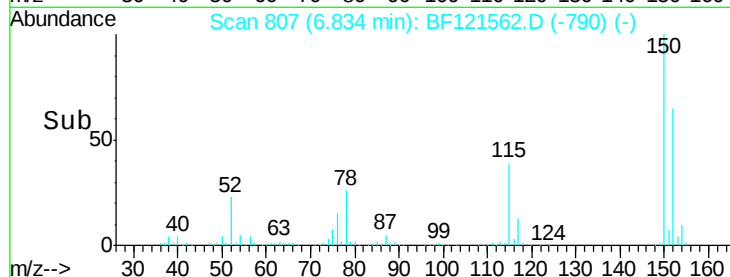
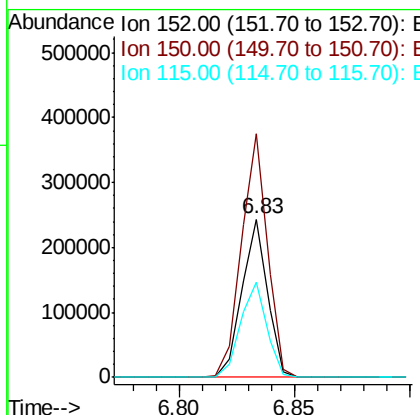
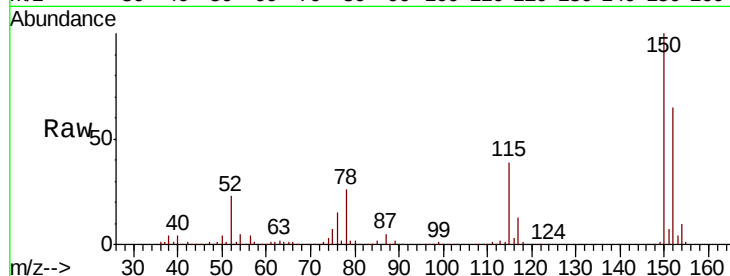
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
B18-4-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.8	188.6
115	60.6	47.8	71.8

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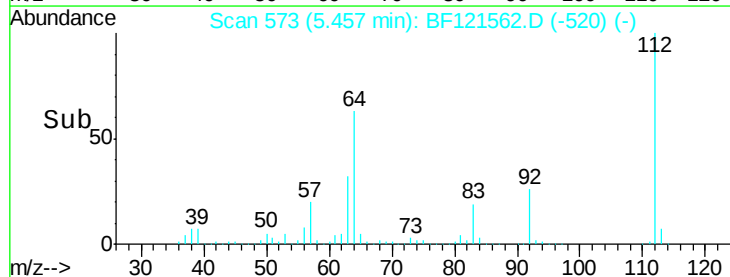
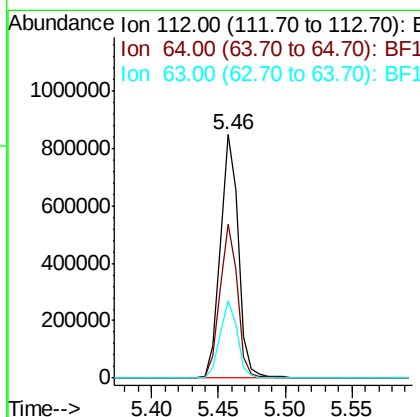
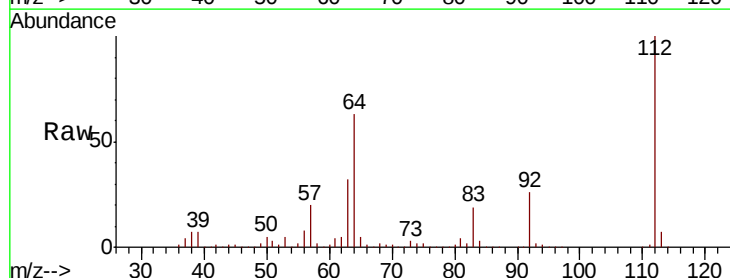
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#5

2-Fluorophenol
Concen: 64.271 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	50.3	75.5
63	31.8	25.6	38.4





#7

Phenol-d6

Concen: 64.084 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

Tot Ion: 99 Resp: 1066186

Ion Ratio Lower Upper

99 100

42 20.2 15.5 23.3

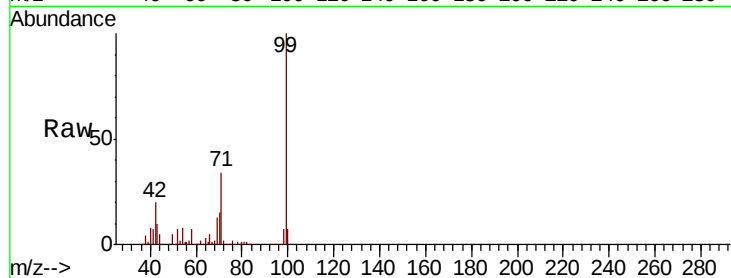
71 33.5 26.1 39.1

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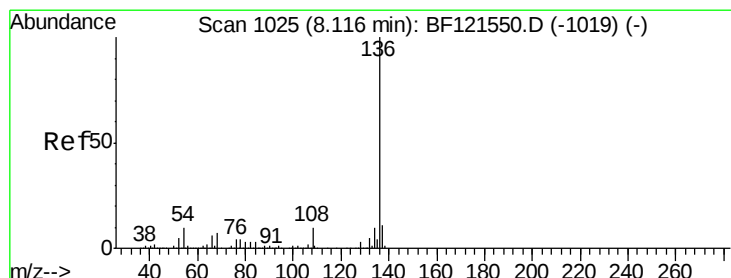
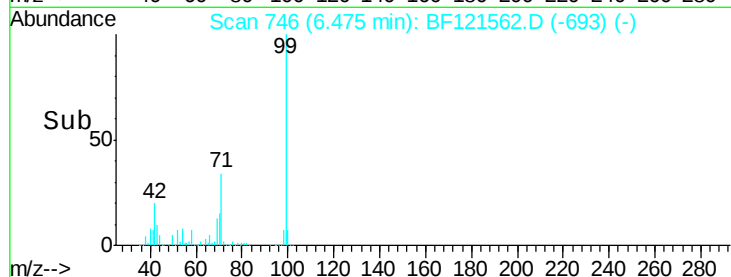
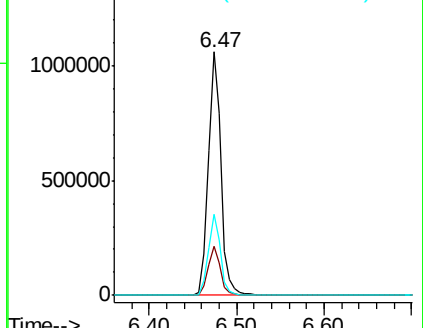
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Tgt Ion: 136 Resp: 719002

Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 9.5 7.6 11.4

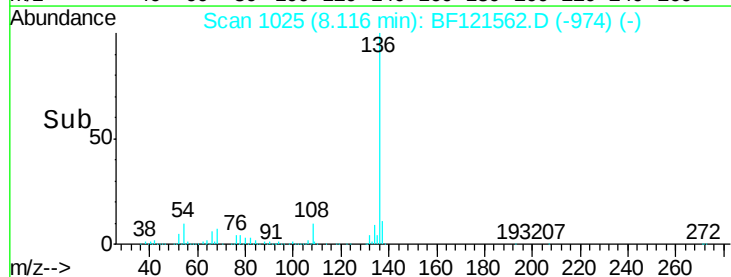
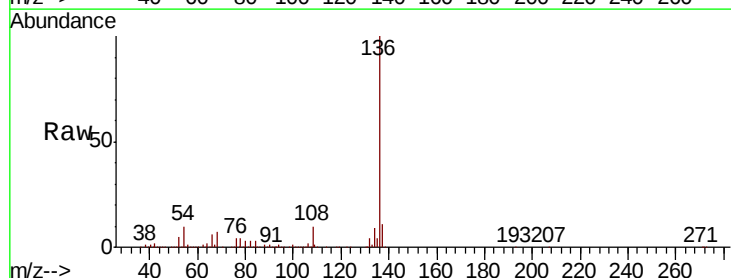
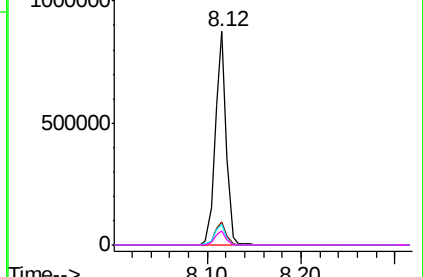
68 6.7 5.7 8.5

Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





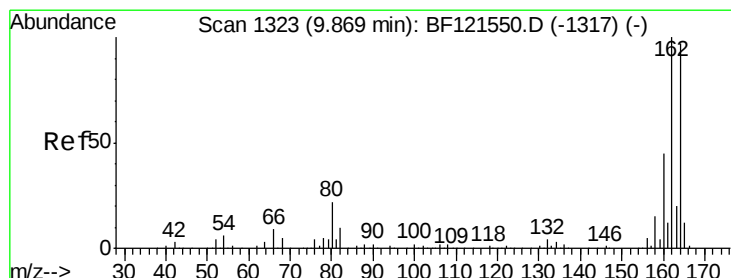
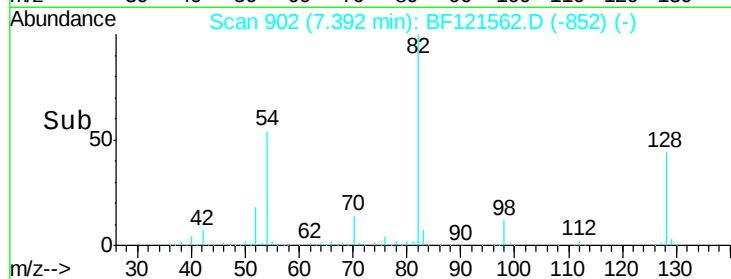
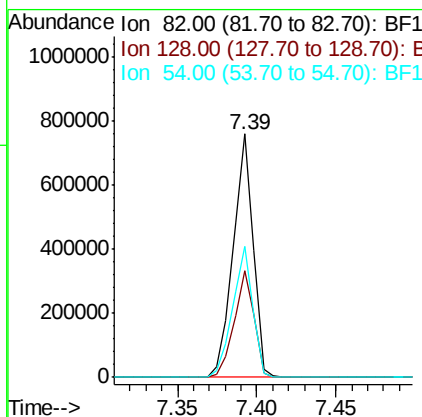
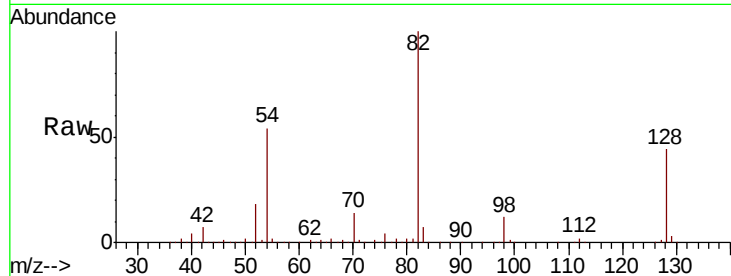
#23
Nitrobenzene-d5
Concen: 49.901 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampled :
B18-4-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.1	52.7
54	53.8	43.0	64.6

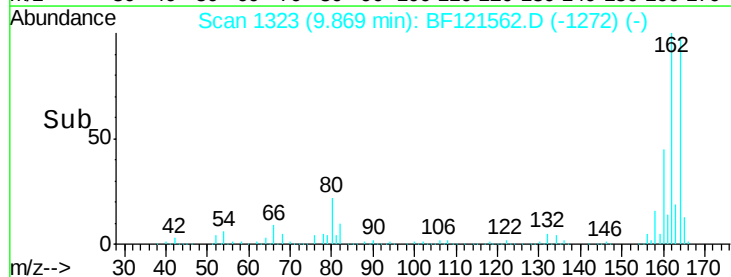
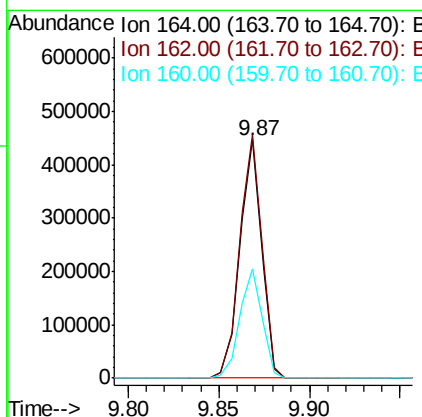
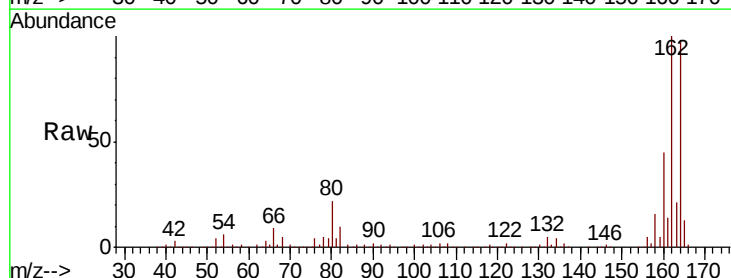
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.3	123.5
160	45.8	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 66.726 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

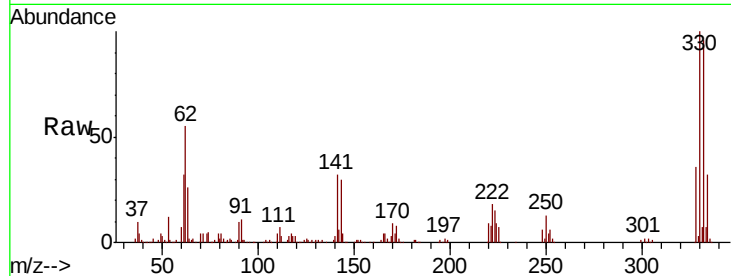
ClientSampled :

B18-4-6

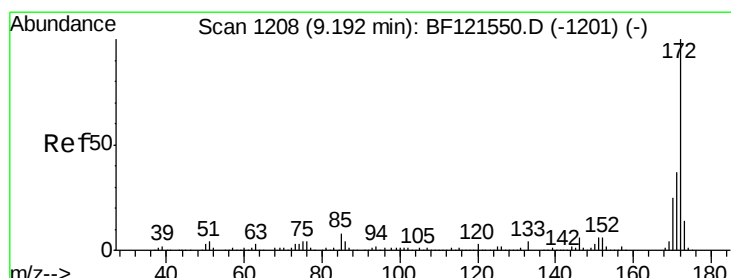
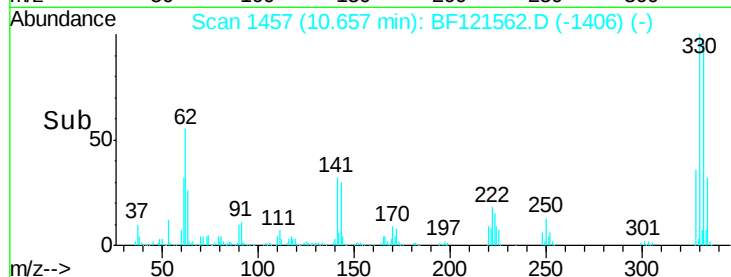
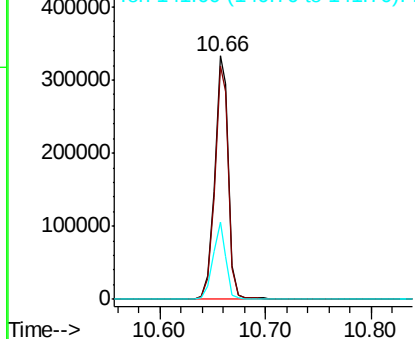
Tot Ion:	330	Resp:	310193
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.1	115.7
141	30.3	23.6	35.4

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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: 49.263 ng

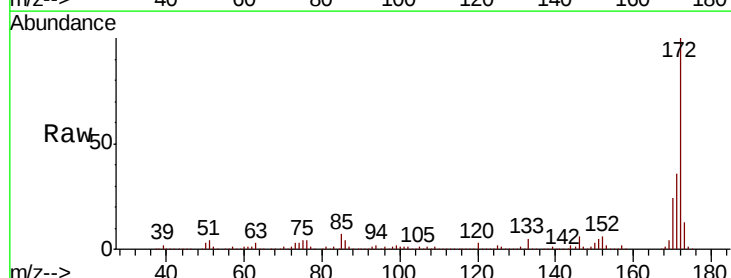
RT: 9.19 min Scan# 1208

Delta R.T. -0.00 min

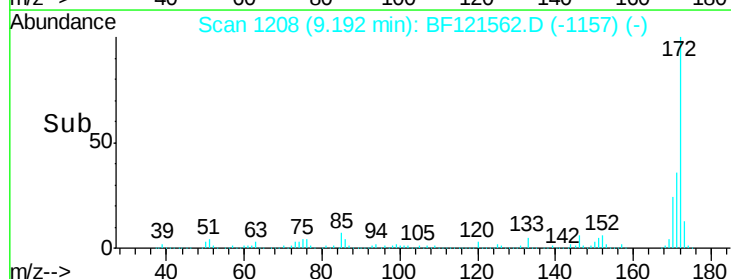
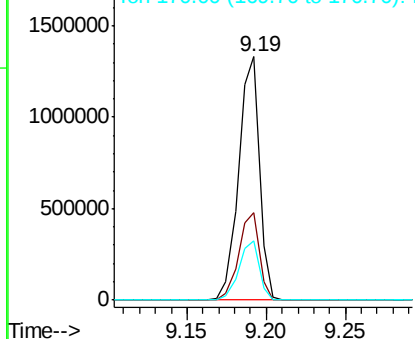
Lab File: BF121562.D

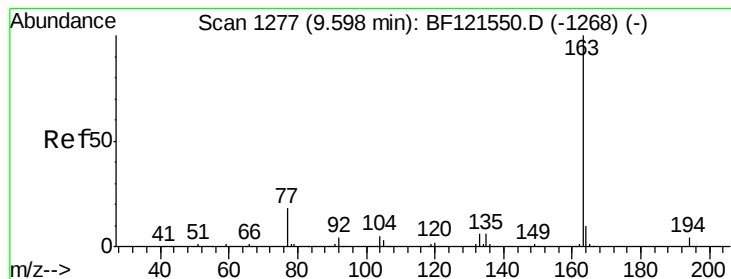
Acq: 14 Sep 2020 16:01

Tgt Ion:	172	Resp:	1216623
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.8	44.6
170	24.3	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





#50

Dimethylphthalate

Concen: 6.314 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

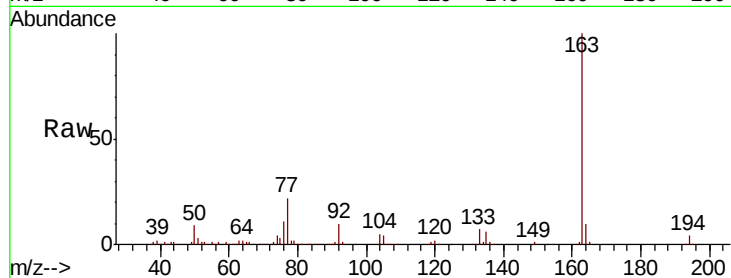
ClientSampleId :

B18-4-6

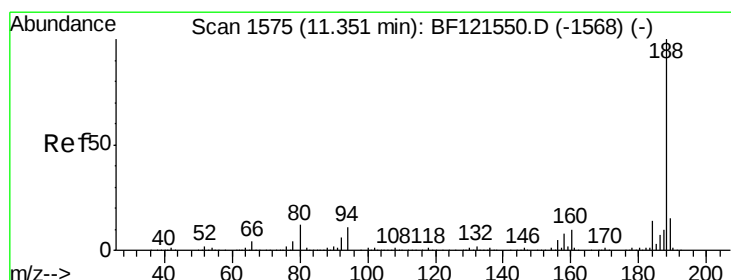
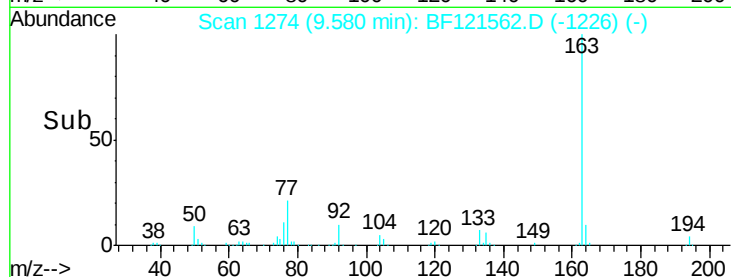
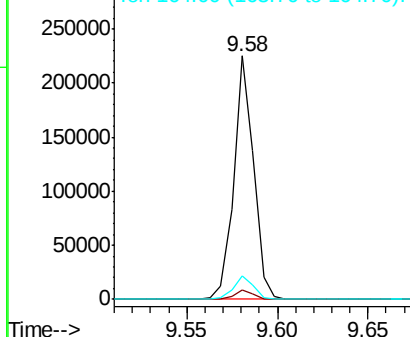
Tot Ion:	163	Resp:	171163
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.4	5.0
164	9.7	7.9	11.9

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

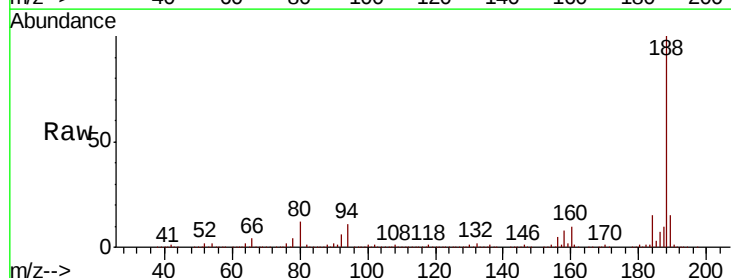
RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

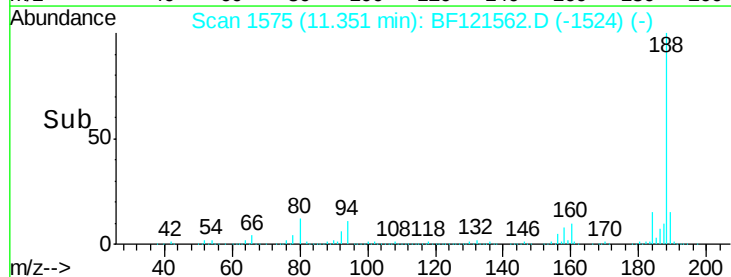
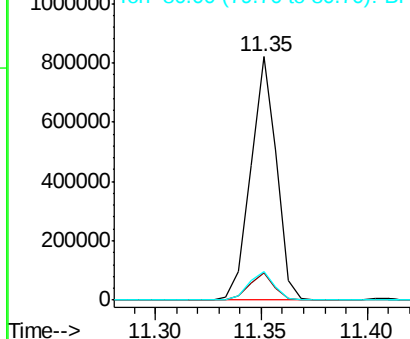
Lab File: BF121562.D

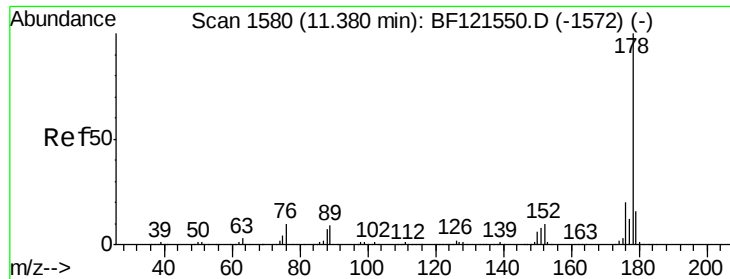
Acq: 14 Sep 2020 16:01

Tgt Ion:	188	Resp:	692614
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.7	13.1
80	11.8	9.3	13.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





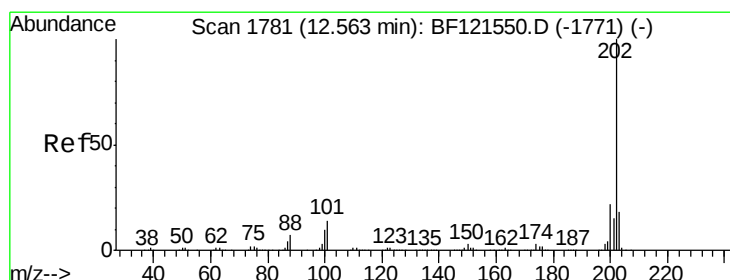
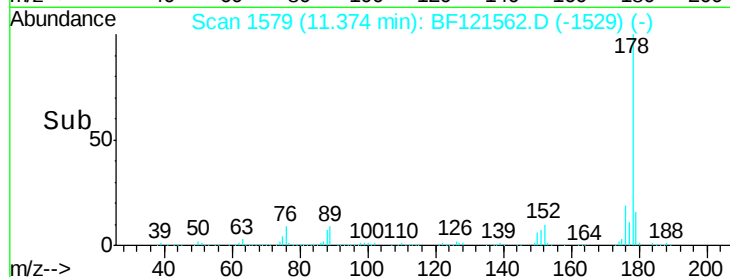
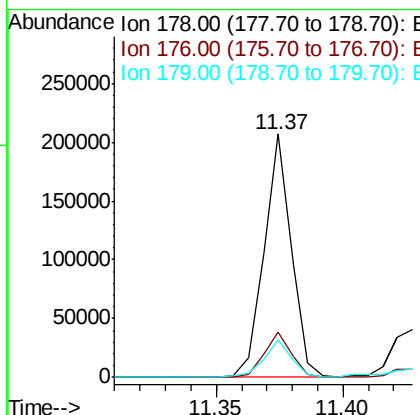
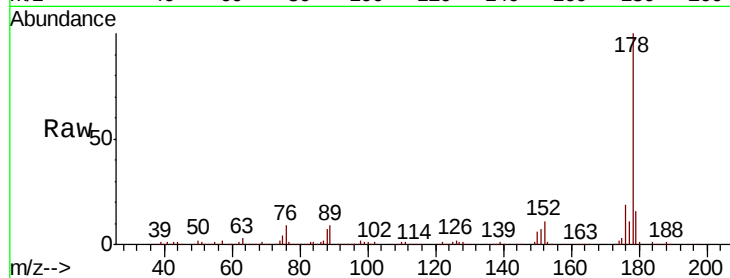
#71
Phenanthrene
Concen: 4.134 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
B18-4-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.7	12.6	19.0

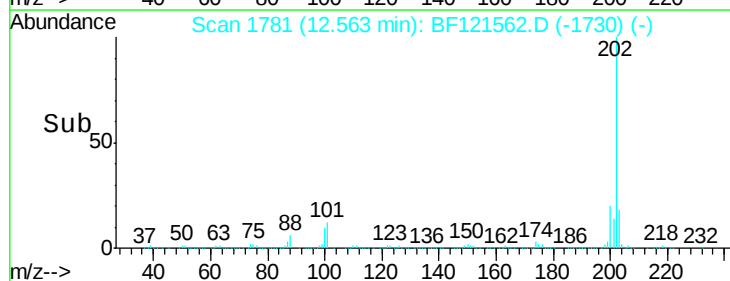
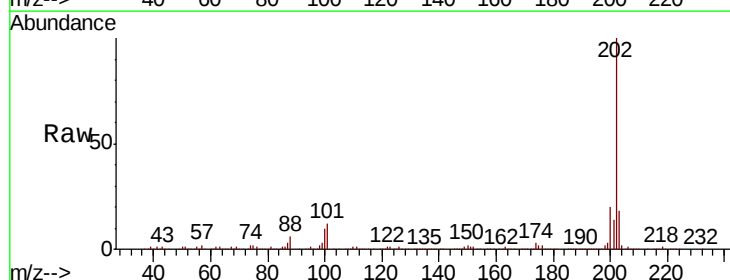
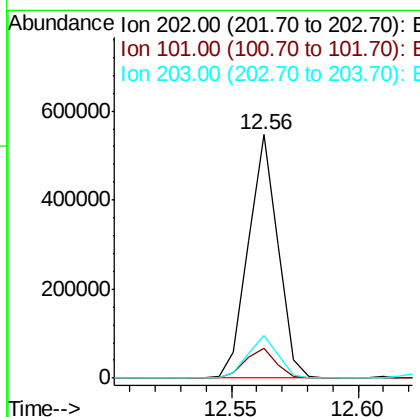
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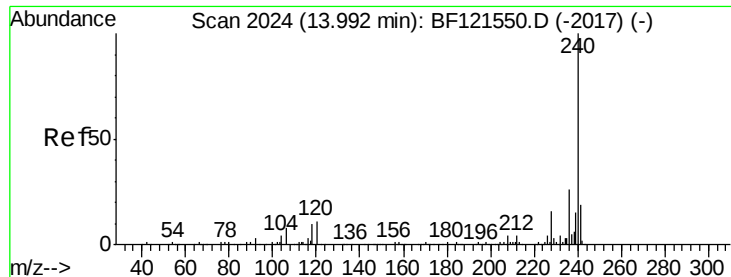
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#75
Fluoranthene
Concen: 11.004 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.0
203	17.7	0.0	38.2





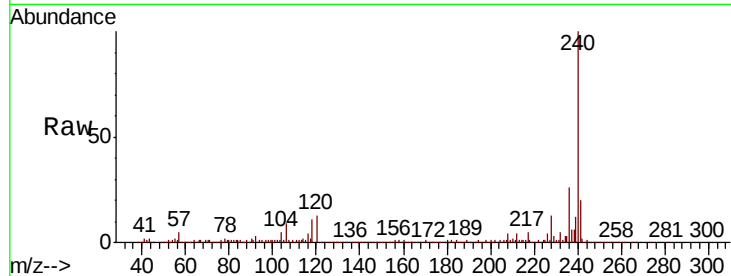
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
B18-4-6

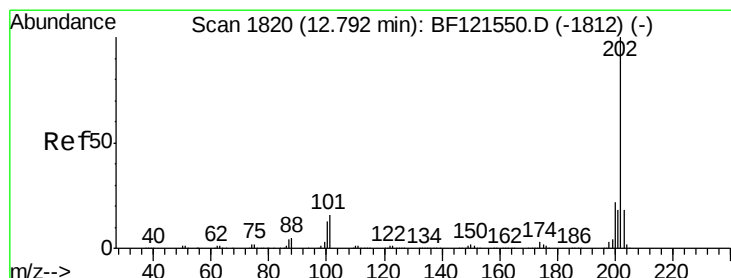
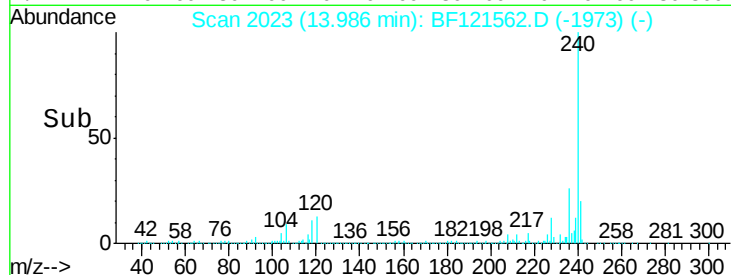
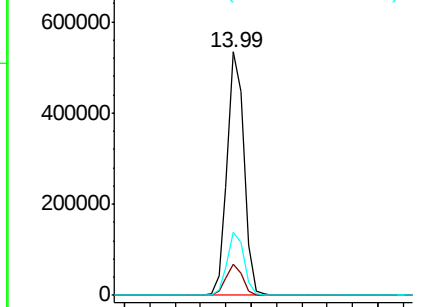
Tot Ion	Ratio	Resp	Lower	Upper
240	100	492666		
120	13.0	9.2	13.8	
236	26.0	20.5	30.7	

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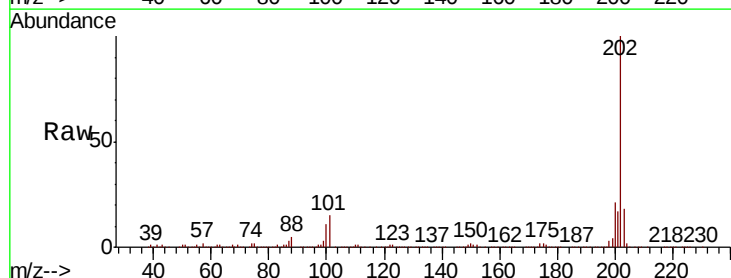


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

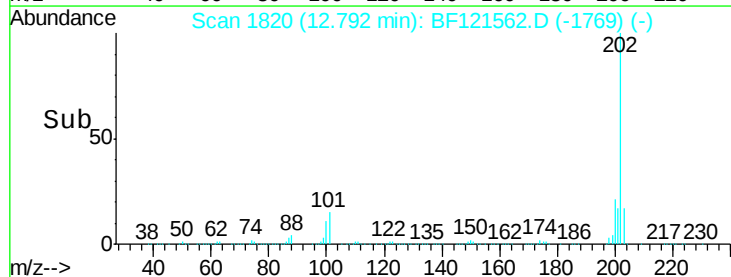
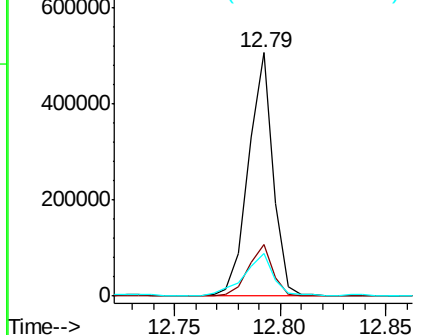


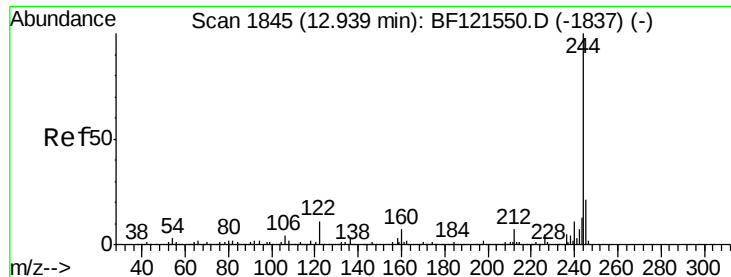
#78
Pyrene
Concen: 11.338 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	408123		
200	21.2	17.8	26.8	
203	17.5	14.6	22.0	



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





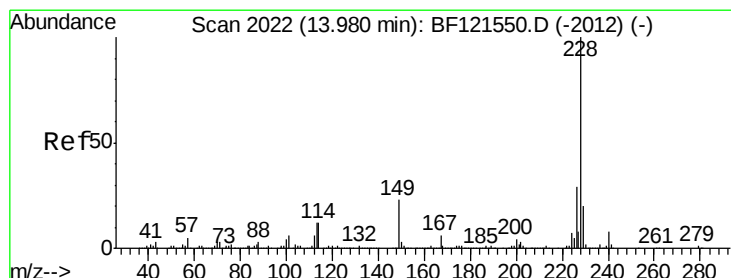
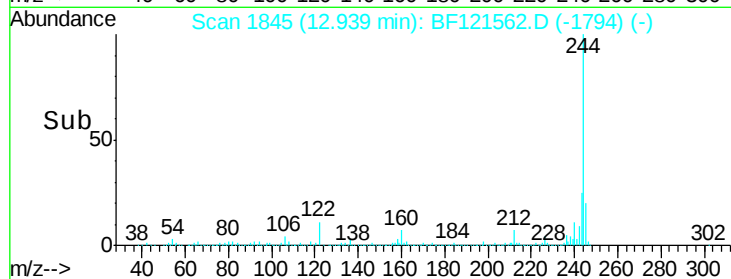
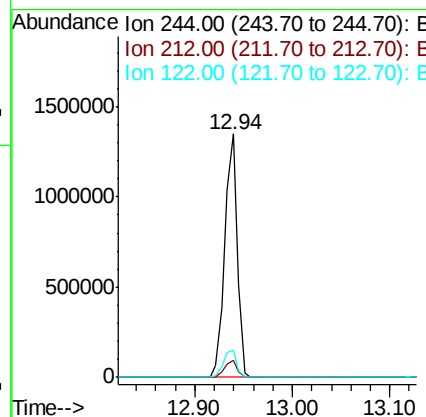
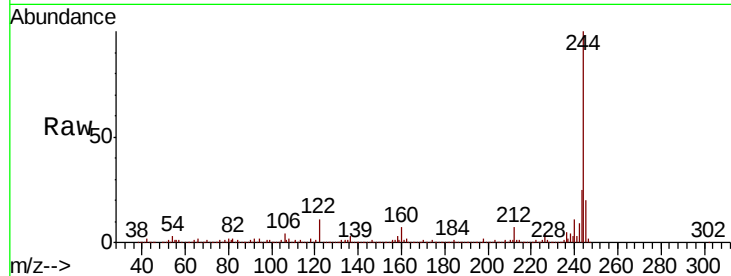
#79
 Terphenyl-d14
 Concen: 49.275 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 B18-4-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.0	8.7	13.1

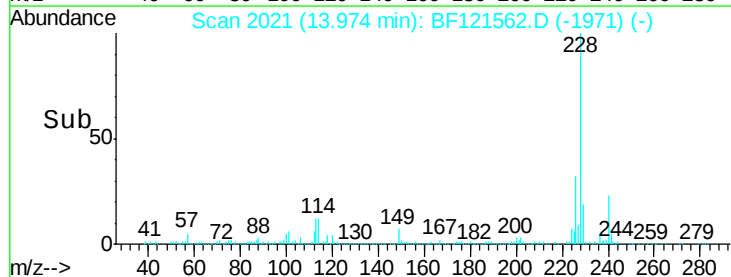
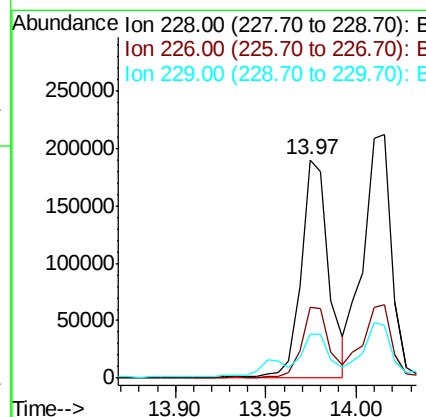
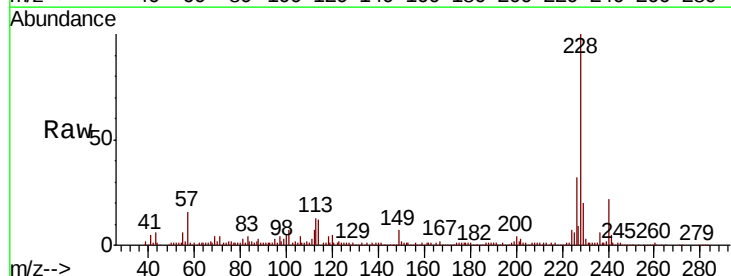
Manual Integrations
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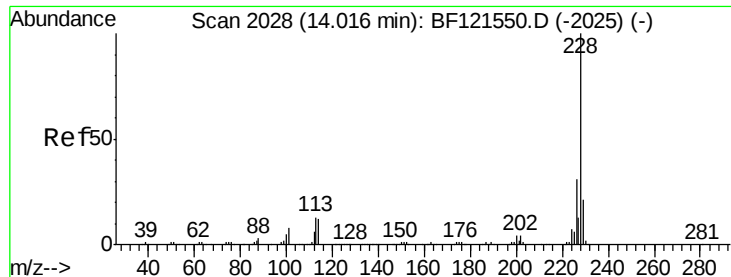
mohammad
 9/15/2020 1:19:58 PM



#81
 Benzo(a)anthracene
 Concen: 6.539 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.9	34.3
229	20.2	16.3	24.5





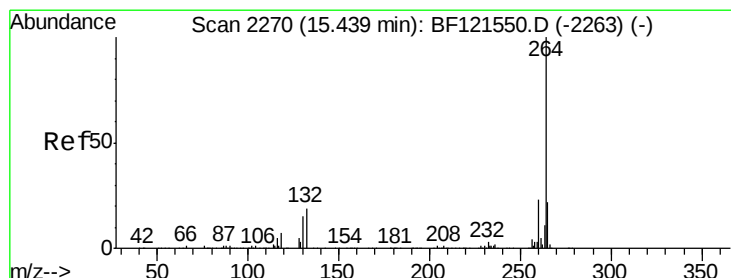
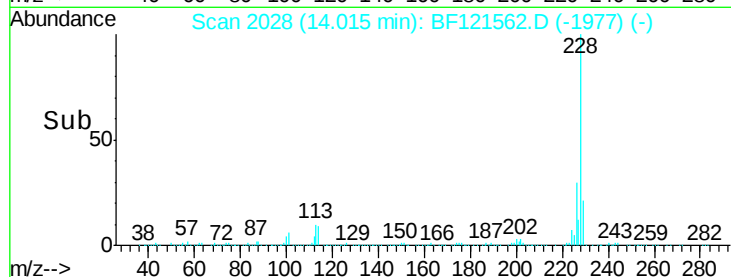
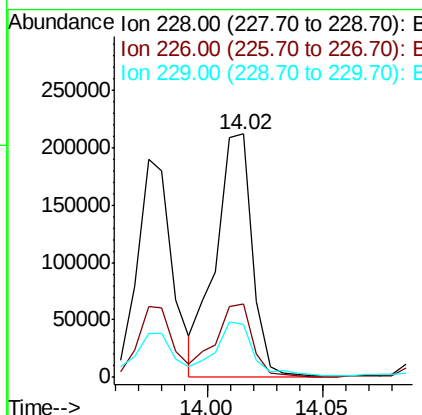
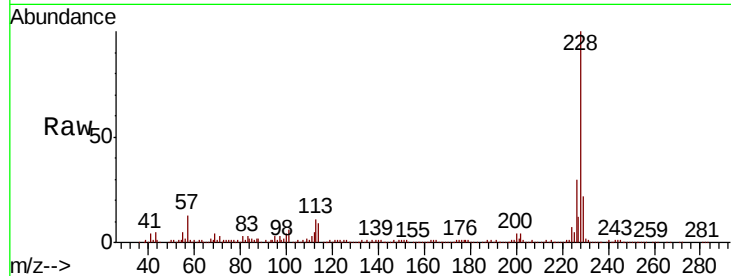
#83
Chrysene
Concen: 7.345 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampleId :
B18-4-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		231821		
226	29.9	25.1	37.7		
229	21.6	16.6	25.0		

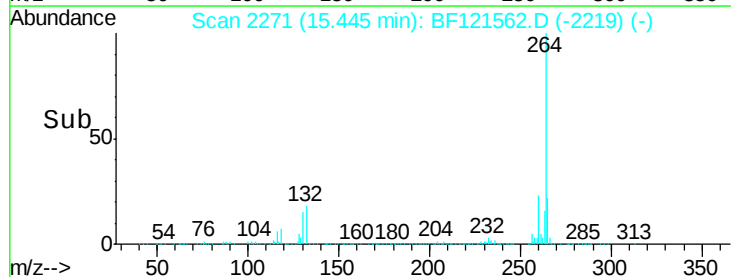
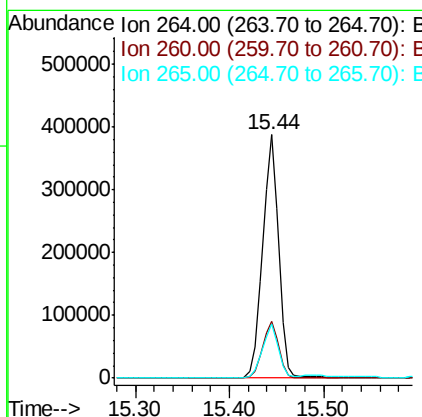
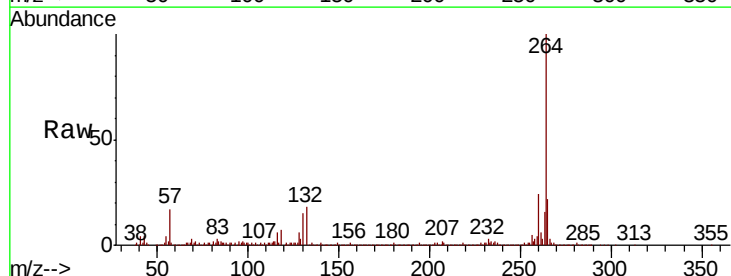
Manual Integrations
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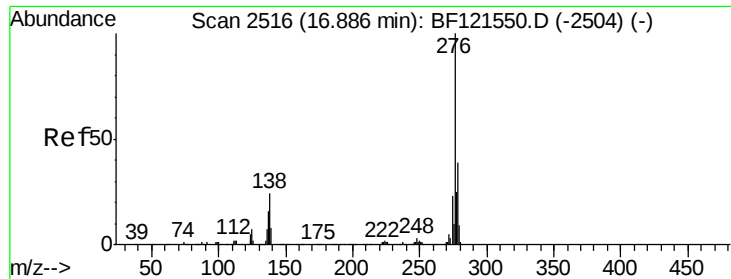
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		460052		
260	23.5	18.8	28.2		
265	22.1	17.8	26.6		





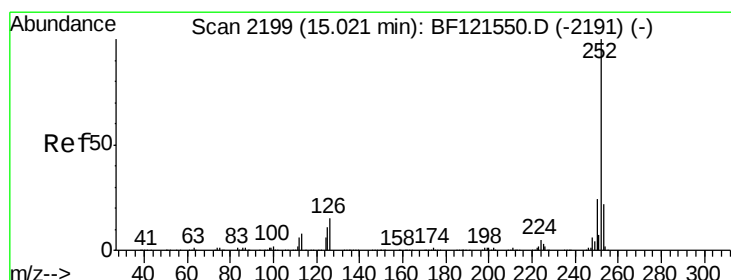
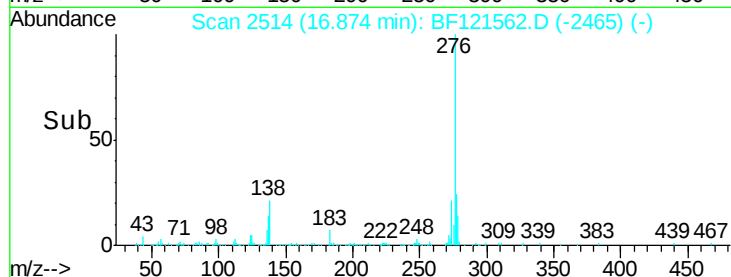
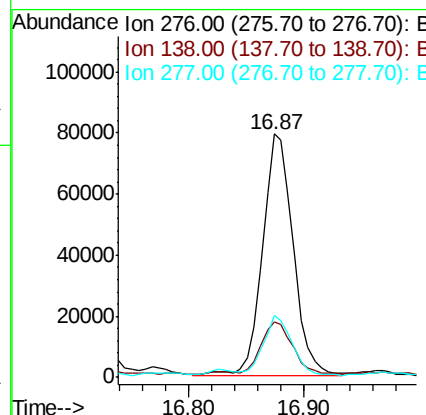
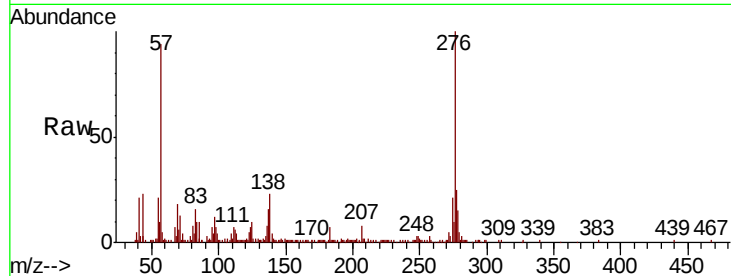
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.895 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampled :
B18-4-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.6	31.0
277	23.6	20.2	30.4

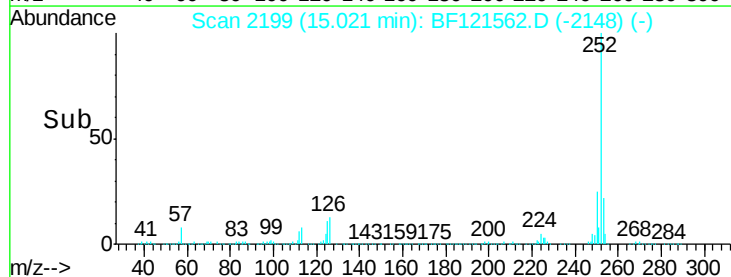
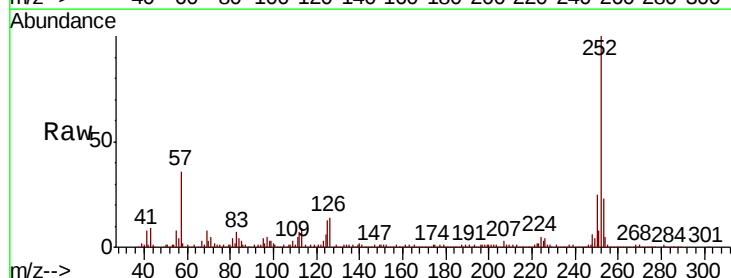
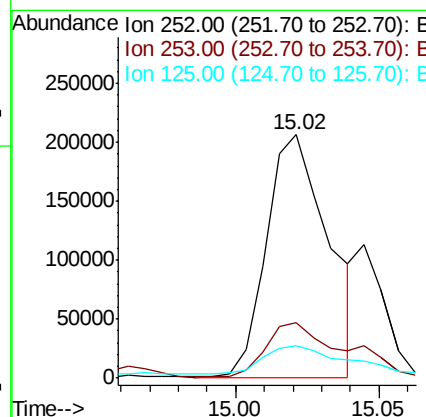
Manual Integrations
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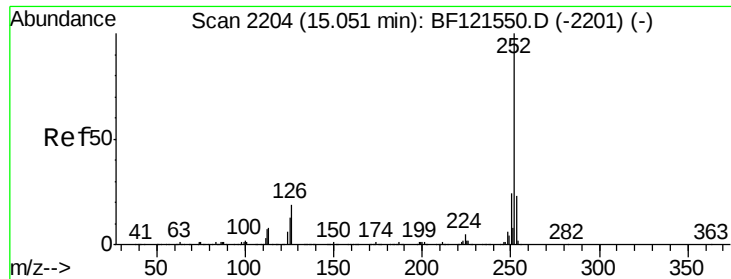
mohammad
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#88
Benzo(b)fluoranthene
Concen: 10.120 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.2	9.2	13.8





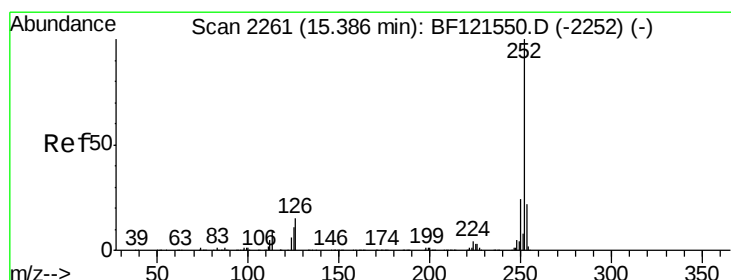
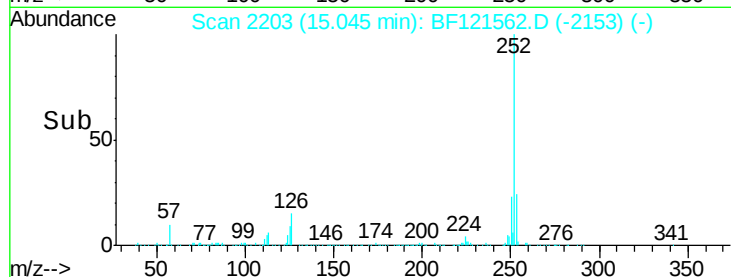
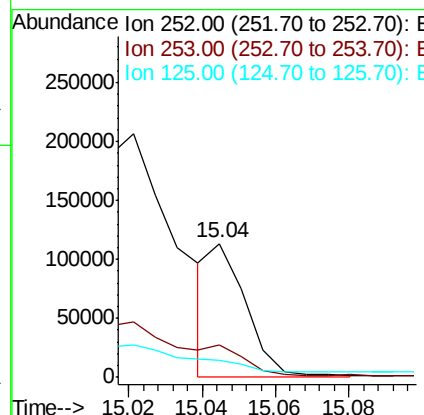
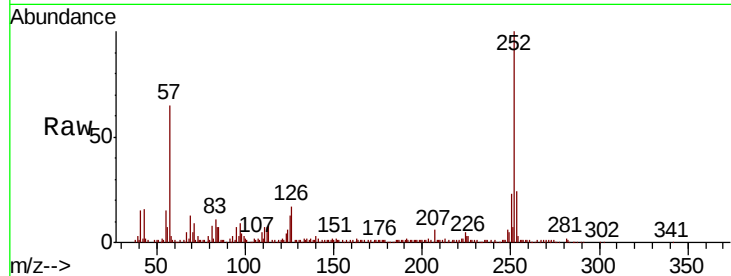
#89
Benzo(k)fluoranthene
Concen: 2.802 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Instrument :
BNA_F
ClientSampled :
B18-4-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	12.8	9.8	14.6

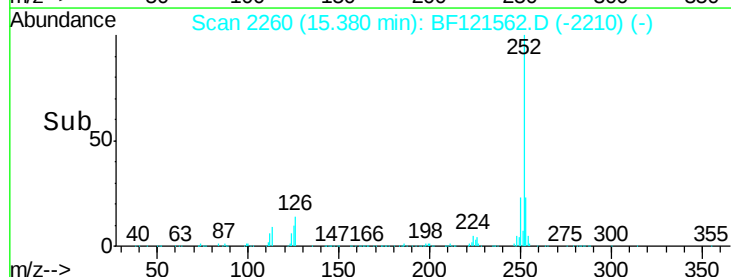
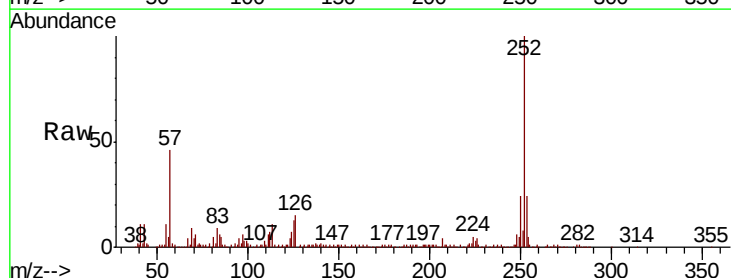
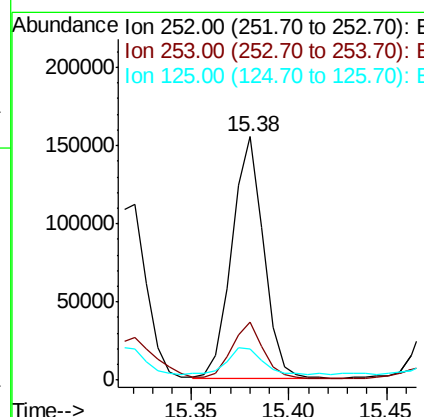
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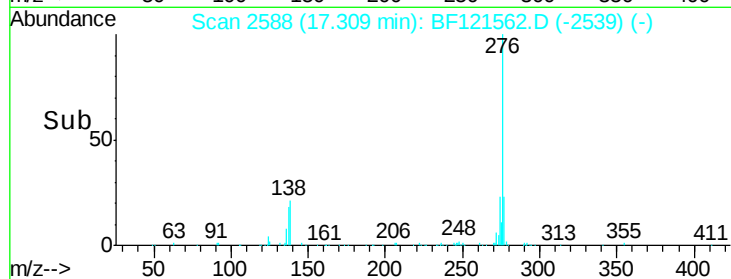
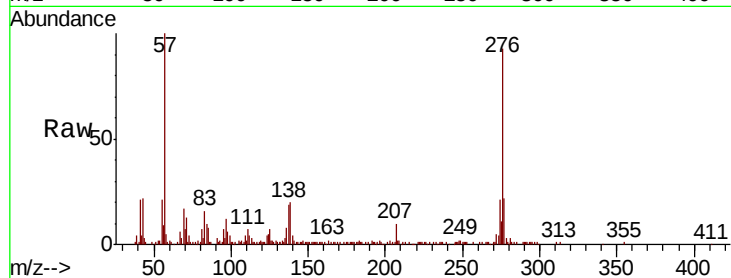
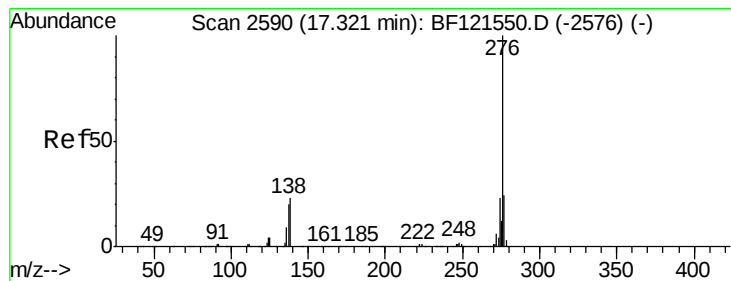
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#90
Benzo(a)pyrene
Concen: 6.671 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	13.0	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 5.450 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

Tot Ion:	276	Resp:	133609
Ion Ratio		Lower	Upper
276	100		
277	23.6	19.4	29.0
138	22.1	18.7	28.1

Manual Integrations
APPROVED

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