

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
 Data File : BF121642.D
 Acq On : 21 Sep 2020 23:14
 Operator : JU/CG
 Sample : L4073-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-1

Manual Integrations
 APPROVED

mohammad
 9/22/2020 10:09:19 AM

Quant Time: Sep 22 03:23:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 21 14:19:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	155353	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	601260	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	304061	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	526675	20.00	ng	0.00
76) Chrysene-d12	14.00	240	385138	20.00	ng	0.00
86) Perylene-d12	15.46	264	395616	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	737863	70.58	ng	0.00
7) Phenol-d6	6.46	99	962838	70.21	ng	0.00
23) Nitrobenzene-d5	7.38	82	651705	58.20	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	268318	71.00	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	1159039	57.73	ng	0.00
79) Terphenyl-d14	12.94	244	1038163	54.61	ng	0.00
Target Compounds						
32) Benzoic acid	7.83	122	20098	9.226	ng	99
50) Dimethylphthalate	9.57	163	261493	11.866	ng	99
71) Phenanthrene	11.37	178	245092	8.541	ng	98
72) Anthracene	11.42	178	77176	2.606	ng	98
75) Fluoranthene	12.57	202	765720	24.997	ng	99
78) Pyrene	12.80	202	684033	24.309	ng	99
81) Benzo(a)anthracene	13.99	228	467173	19.173	ng	98
83) Chrysene	14.02	228	364612	14.777	ng	97
87) Indeno(1,2,3-cd)pyrene	16.92	276	212738	8.257	ng	95
88) Benzo(b)fluoranthene	15.04	252	475019m	17.961	ng	
89) Benzo(k)fluoranthene	15.06	252	175196m	7.234	ng	
90) Benzo(a)pyrene	15.40	252	368406	16.387	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	56100m	2.616	ng	
92) Benzo(g,h,i)perylene	17.35	276	179990	8.538	ng	98

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

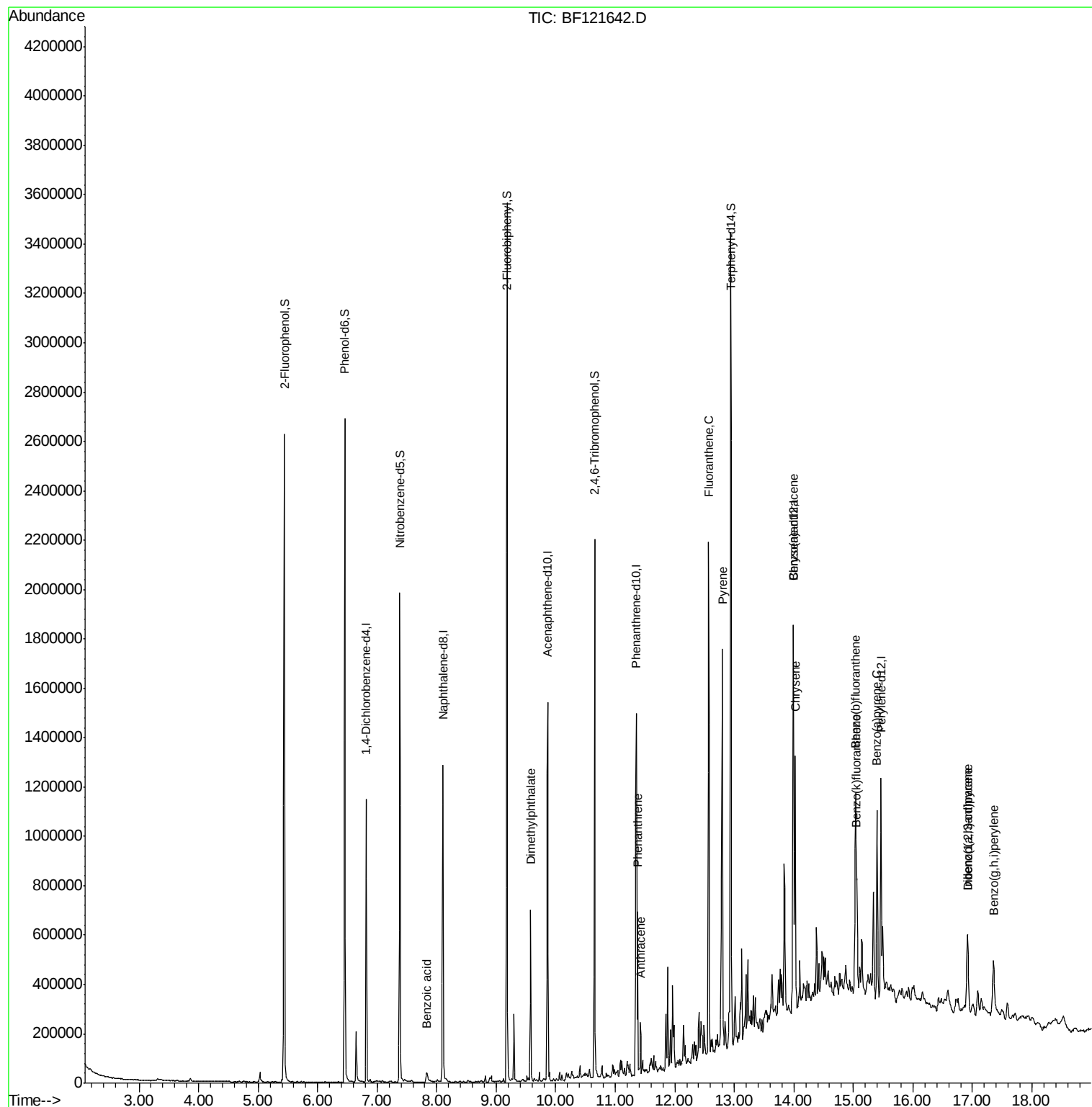
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121642.D
Acq On : 21 Sep 2020 23:14
Operator : JU/CG
Sample : L4073-01
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ALS Vial : 22 Sample Multiplier: 1

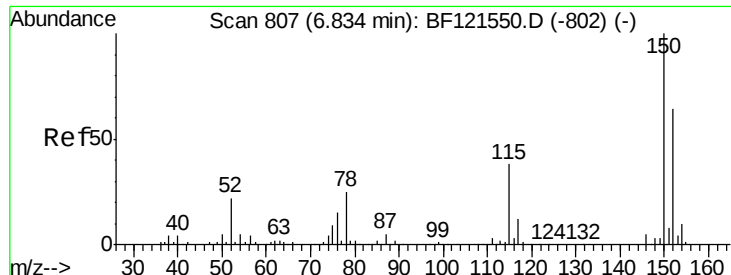
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#1

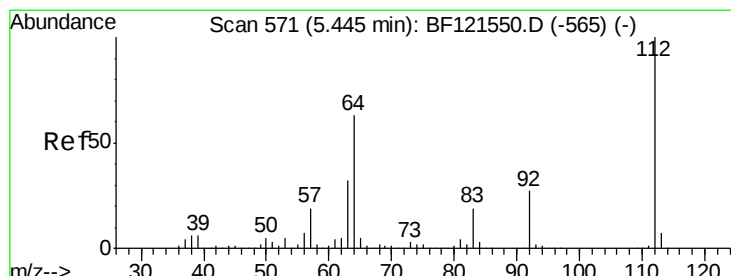
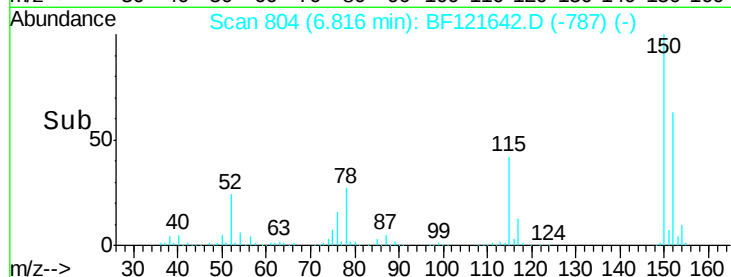
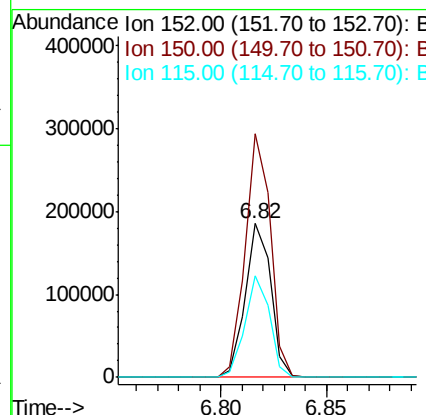
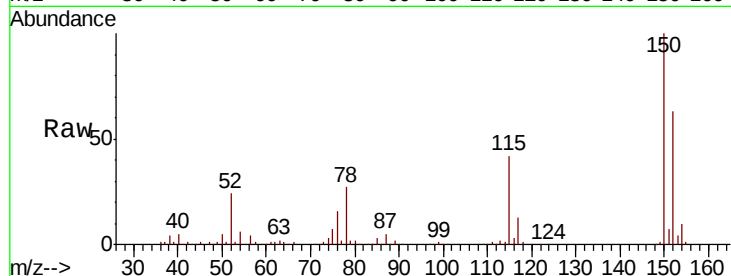
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
H-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	128.1	192.1
115	65.9	52.6	79.0

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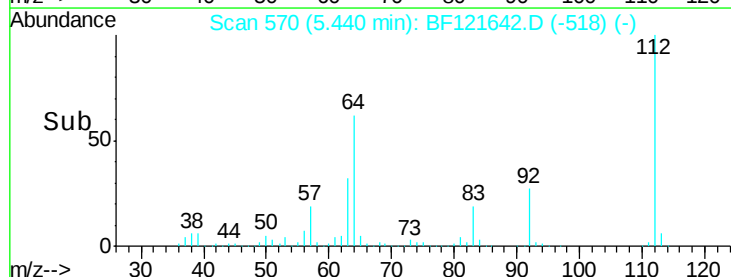
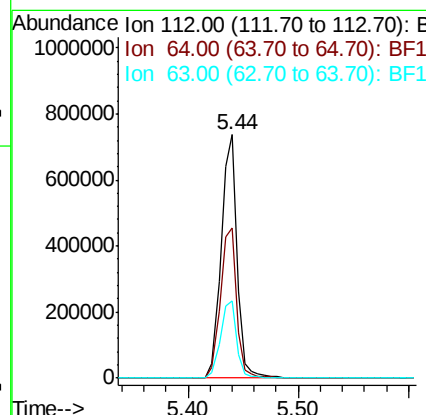
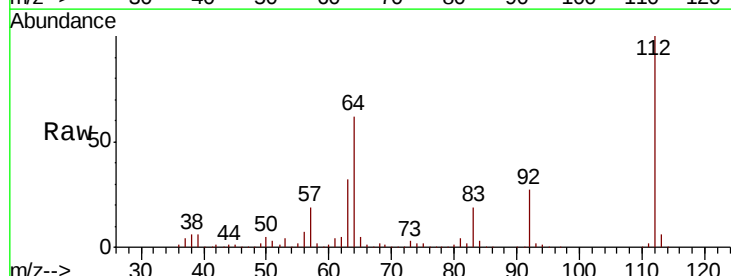
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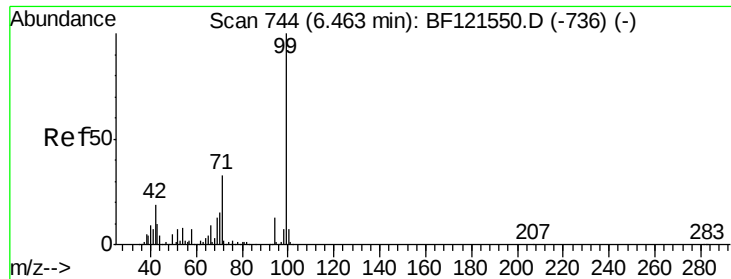


#5

2-Fluorophenol
Concen: 70.585 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	52.2	78.2
63	31.5	26.6	39.8





#7

Phenol-d6

Concen: 70.206 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121642.D

Acq: 21 Sep 2020 23:14

Instrument :

BNA_F

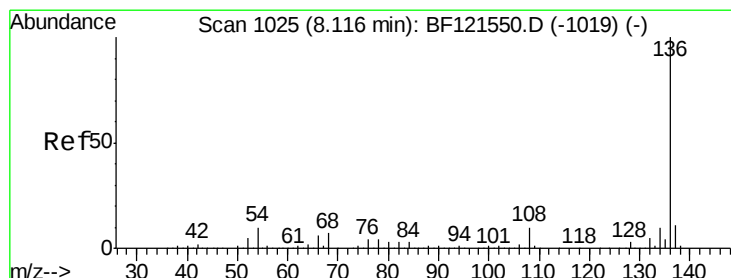
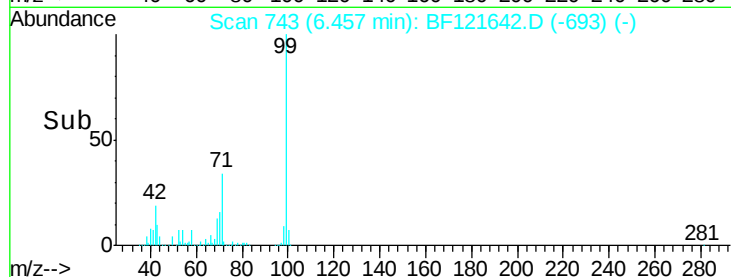
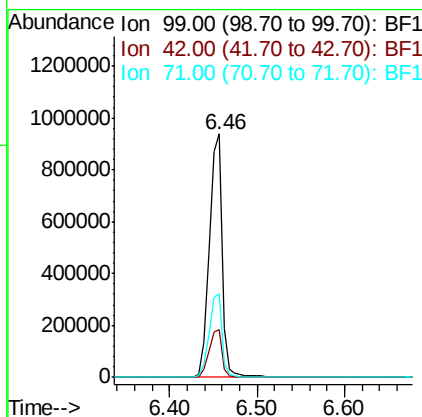
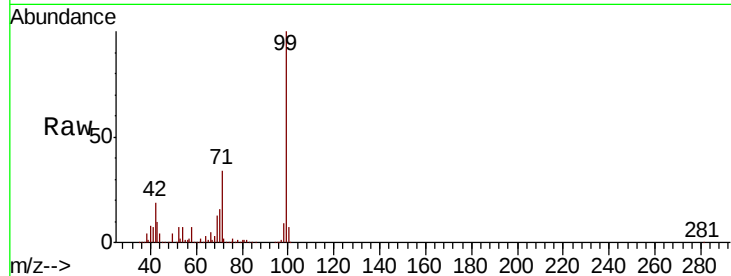
ClientSampleId :

H-1

Tot Ion:	99	Resp:	962838
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.5	23.3
71	34.3	27.4	41.2

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#21

Naphthalene-d8

Concen: 20.000 ng

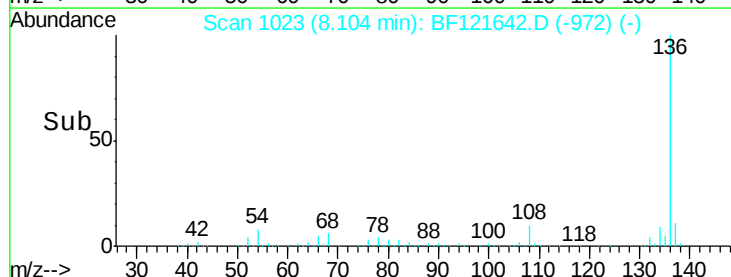
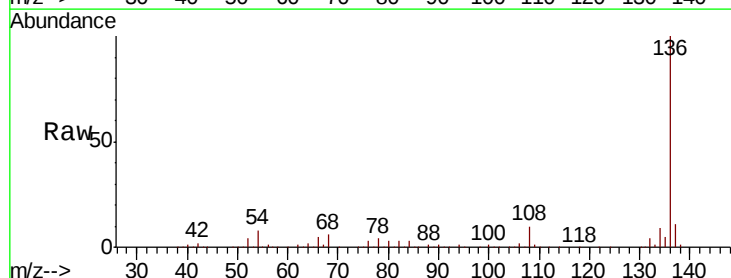
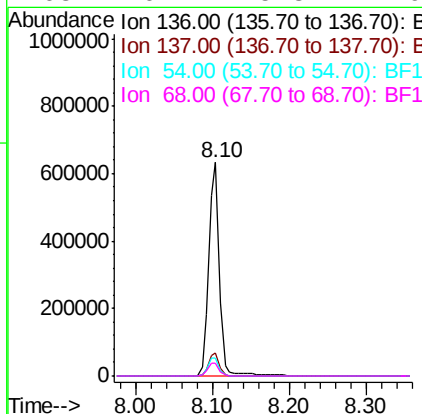
RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF121642.D

Acq: 21 Sep 2020 23:14

Tgt Ion:	136	Resp:	601260
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.5	7.4	11.0
68	6.2	5.3	7.9





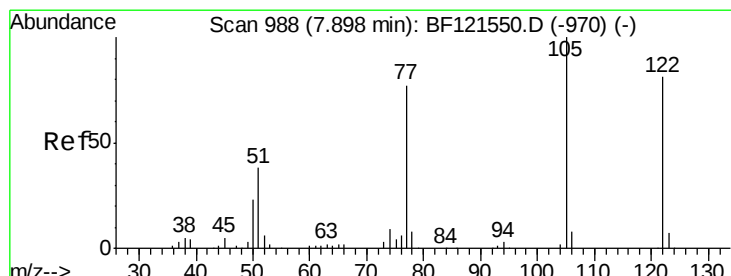
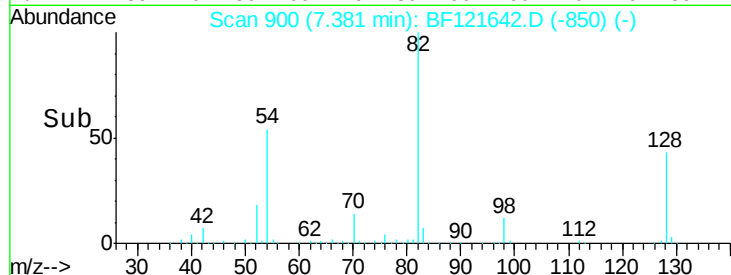
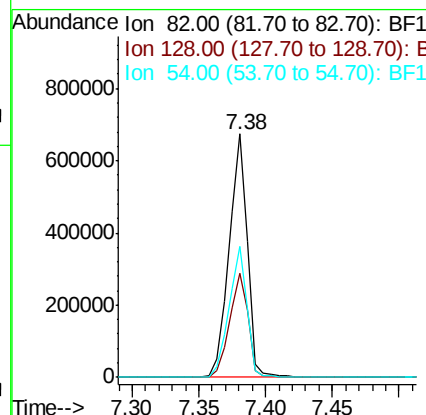
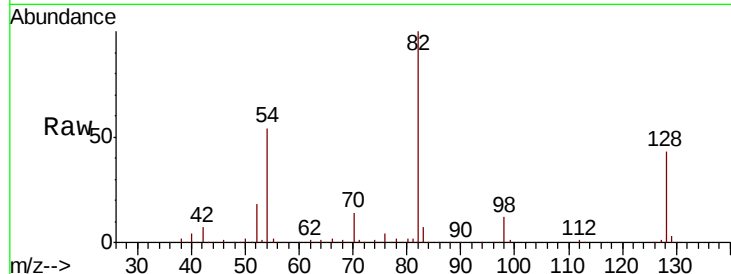
#23
 Nitrobenzene-d5
 Concen: 58.196 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF121642.D
 Acq: 21 Sep 2020 23:14

Instrument :
 BNA_F
 ClientSampled :
 H-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	651705		
128	42.8	33.9	50.9	
54	53.7	42.9	64.3	

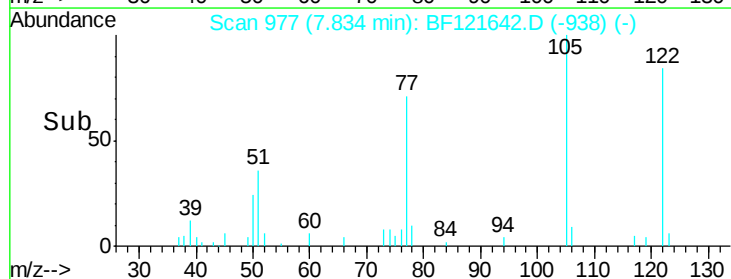
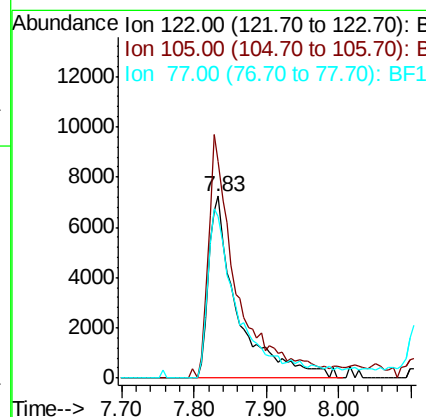
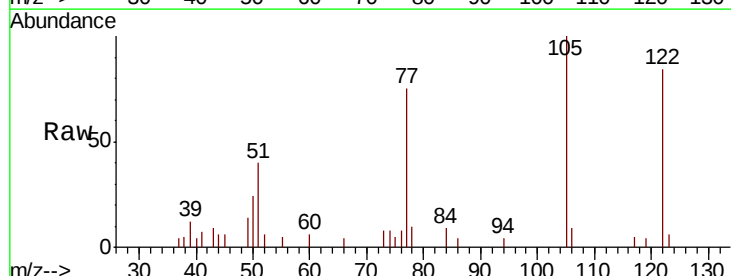
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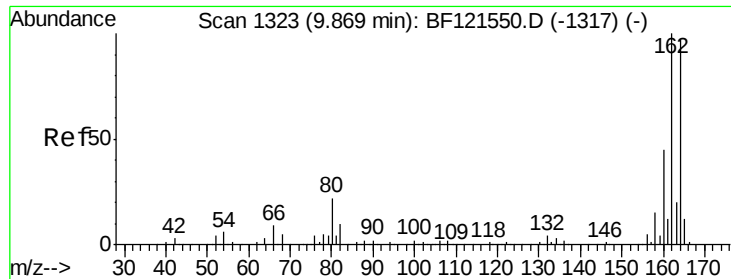
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#32
 Benzoic acid
 Concen: 9.226 ng
 RT: 7.83 min Scan# 977
 Delta R.T. -0.07 min
 Lab File: BF121642.D
 Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	20098		
105	119.1	101.9	141.9	
77	89.0	69.0	109.0	





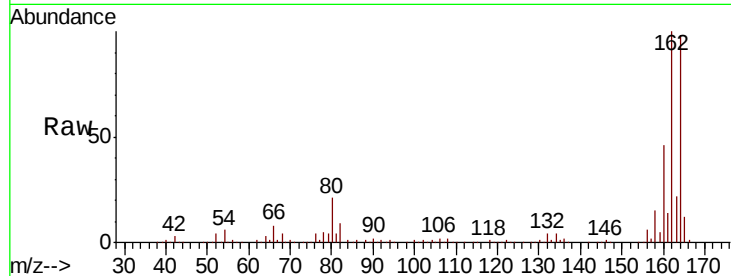
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
H-1

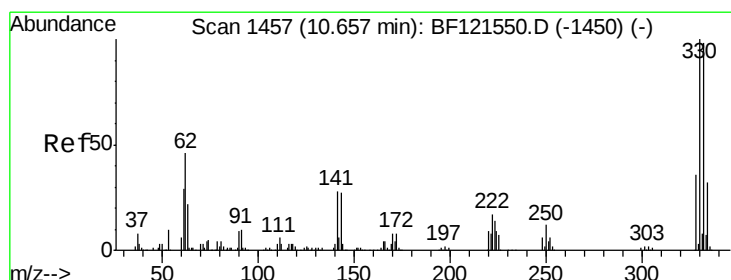
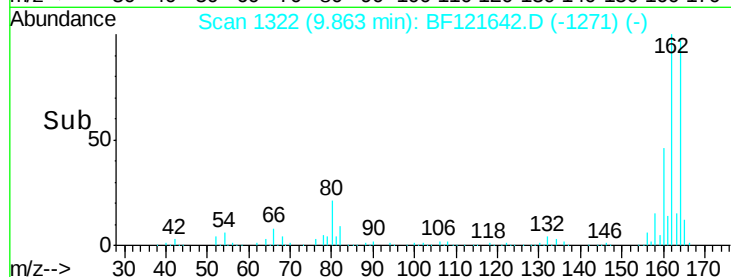
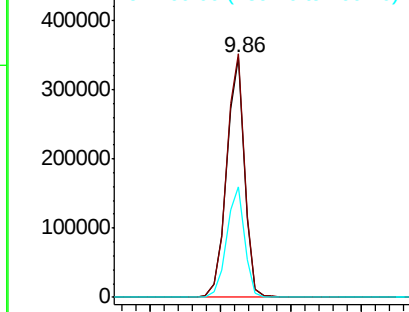
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	81.2	121.8	
160	46.3	36.2	54.4	

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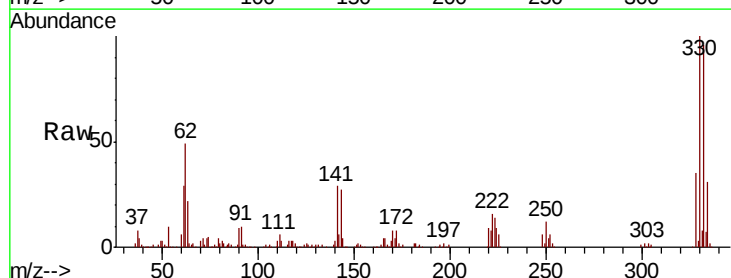


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

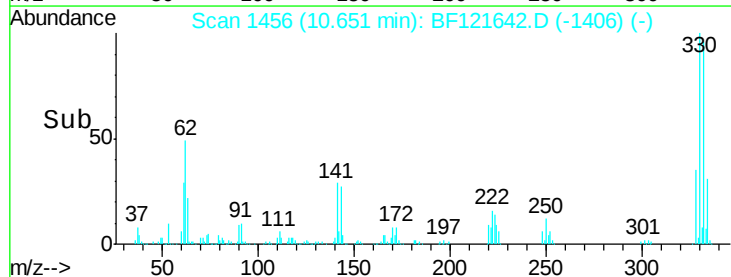
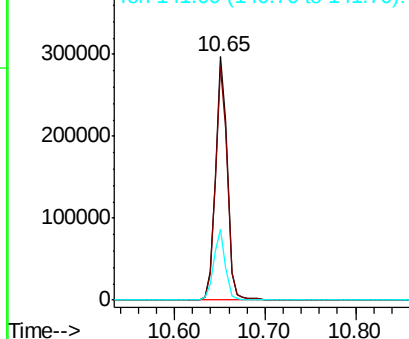


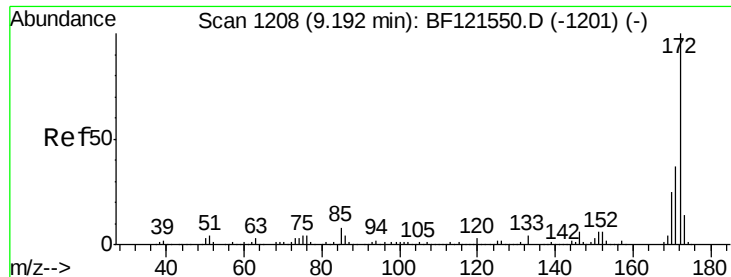
#42
2,4,6-Tribromophenol
Concen: 71.001 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.9	115.3	
141	28.7	22.4	33.6	



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





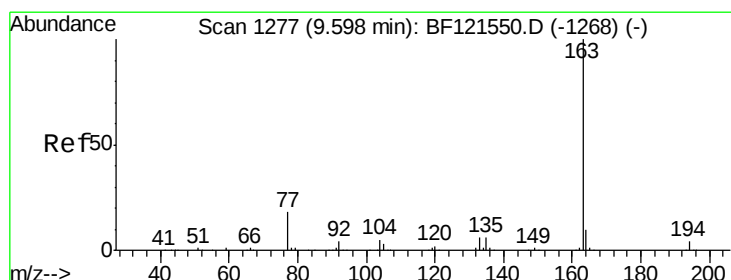
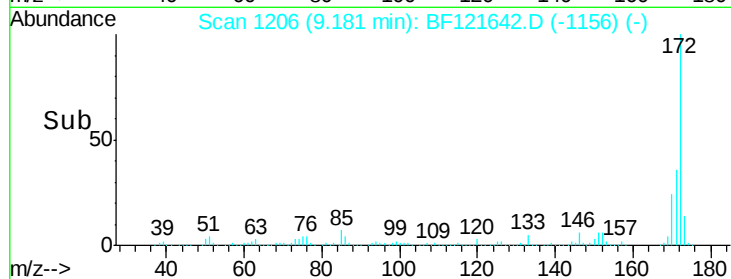
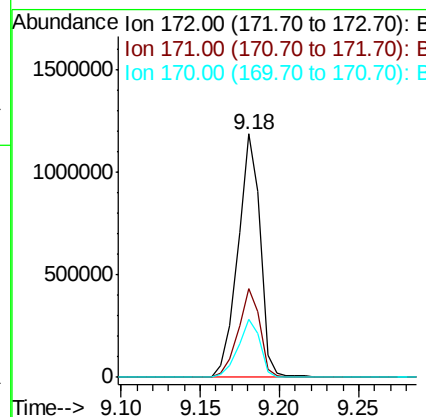
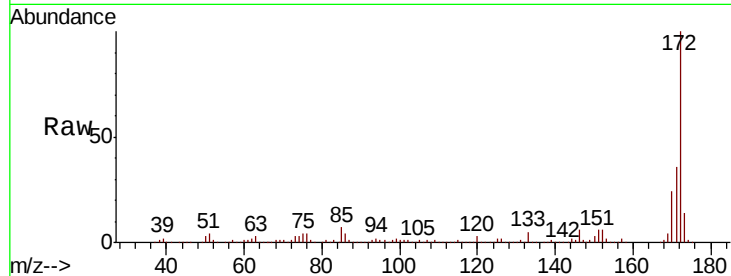
#45
2-Fluorobiphenyl
Concen: 57.732 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
H-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.1	19.5	29.3

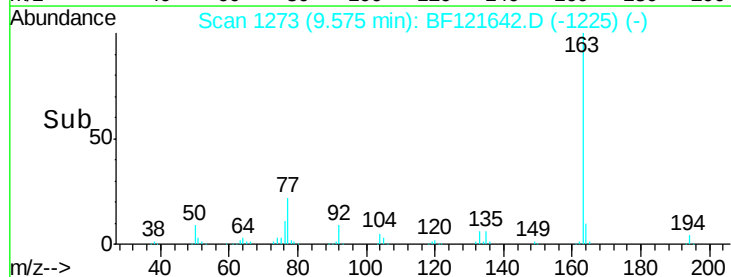
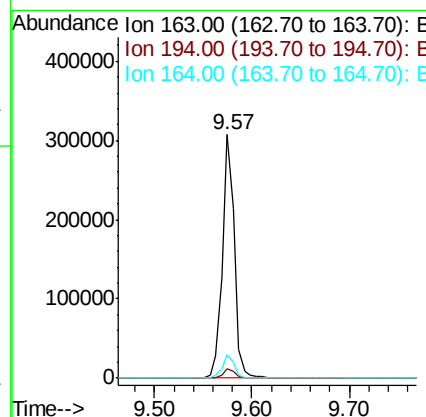
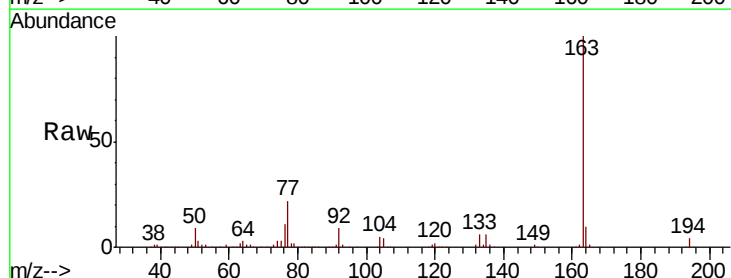
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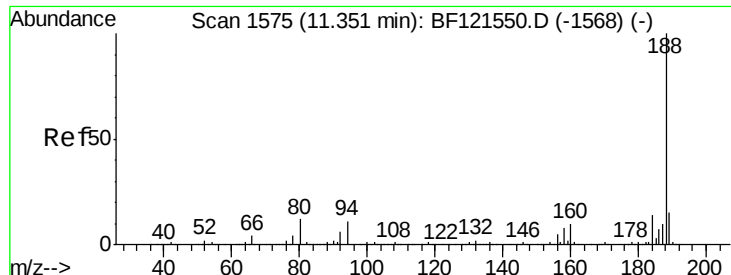
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#50
Dimethylphthalate
Concen: 11.866 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.8	8.0	12.0





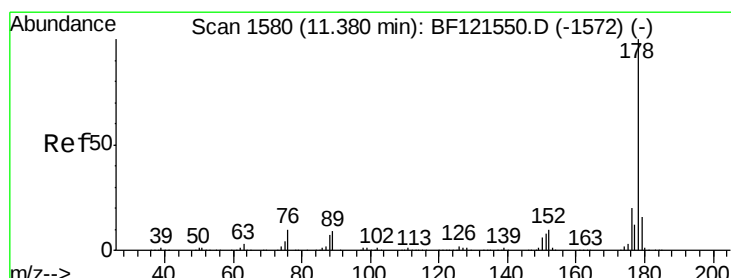
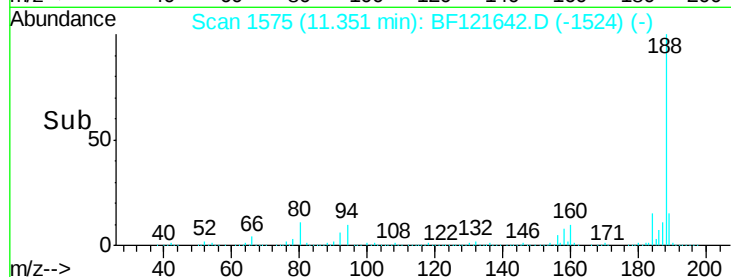
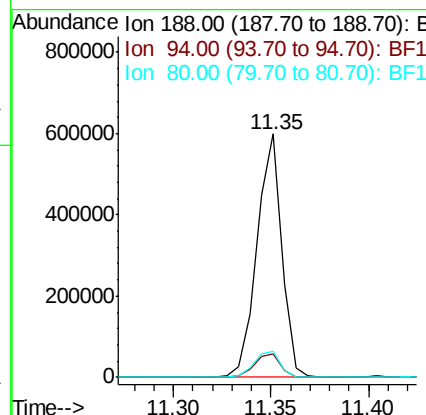
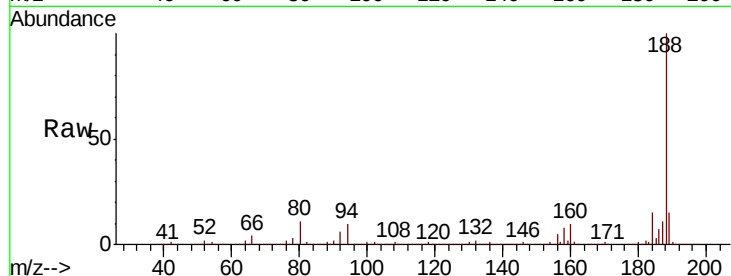
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	188	Resp:	526675
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.4	12.6
80	10.6	9.0	13.4

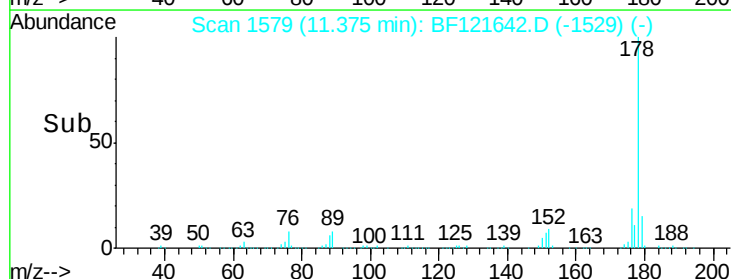
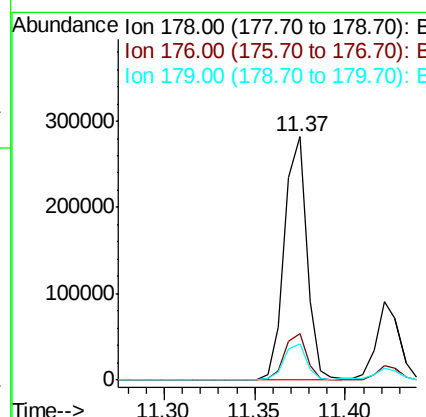
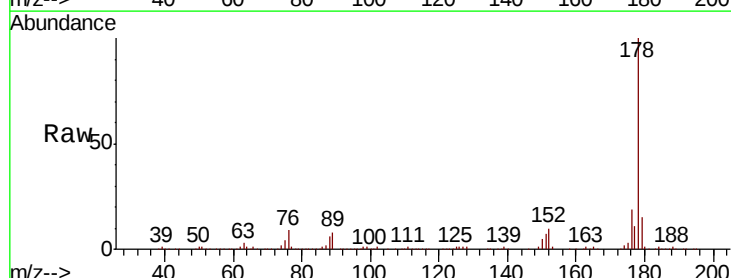
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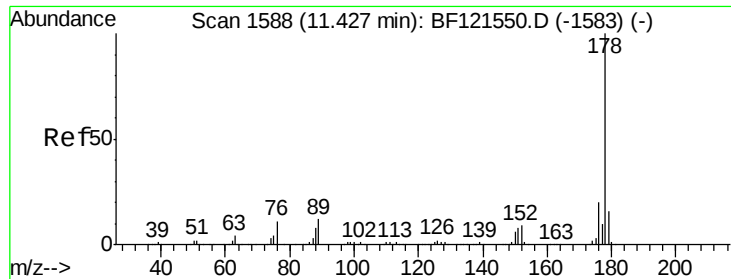
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#71
Phenanthrene
Concen: 8.541 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion:	178	Resp:	245092
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	15.1	12.6	18.8





#72

Anthracene

Concen: 2.606 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF121642.D

Acq: 21 Sep 2020 23:14

Instrument :

BNA_F

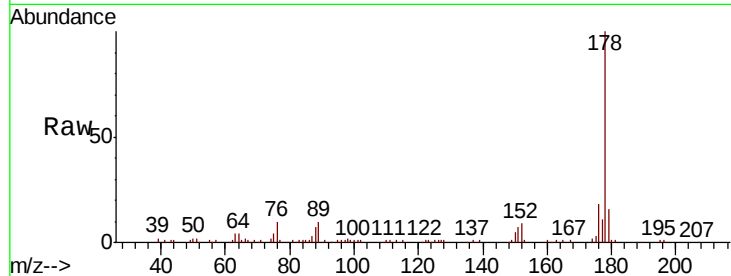
ClientSampleId :

H-1

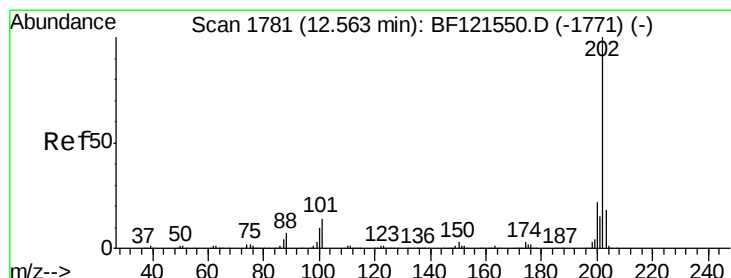
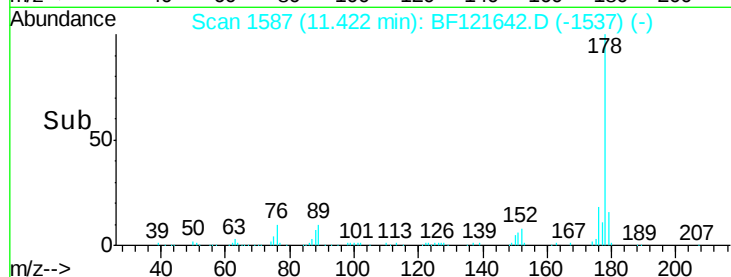
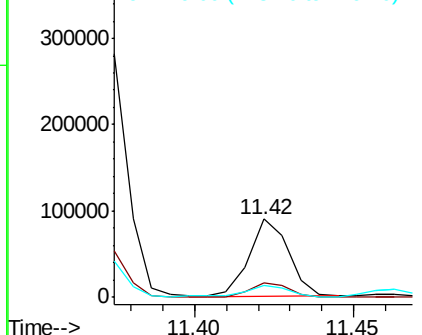
Tot Ion:	178	Resp:	77176
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.5	12.6	19.0

Manual Integrations
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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: 24.997 ng

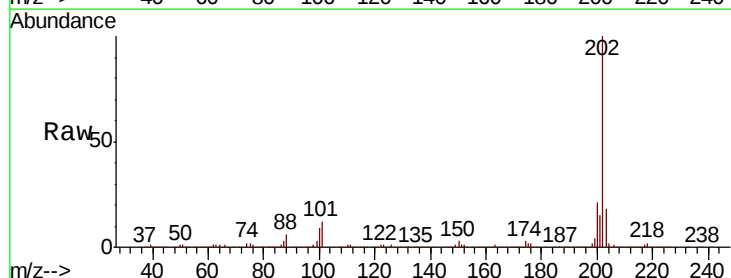
RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

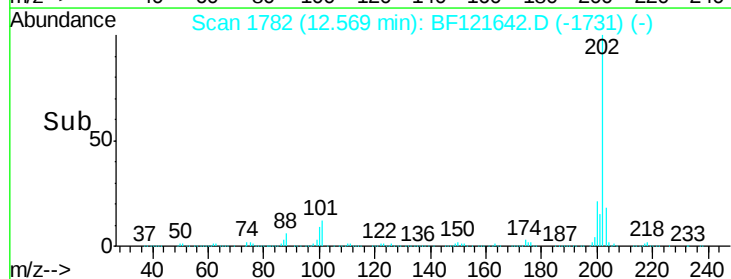
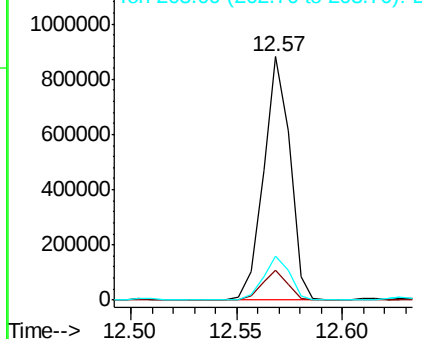
Lab File: BF121642.D

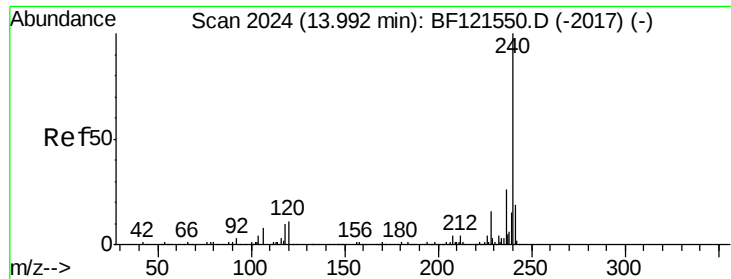
Acq: 21 Sep 2020 23:14

Tgt Ion:	202	Resp:	765720
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.9
203	18.3	0.0	37.8



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: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF121642.D

Acq: 21 Sep 2020 23:14

Instrument :

BNA_F

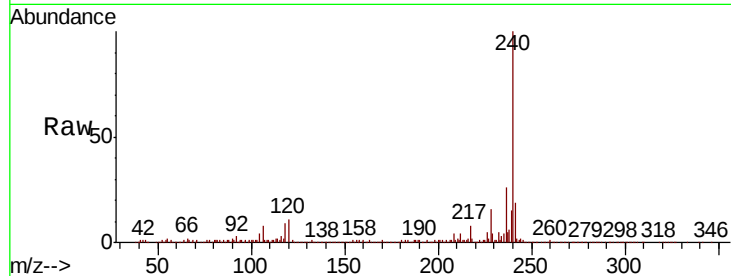
ClientSampled :

H-1

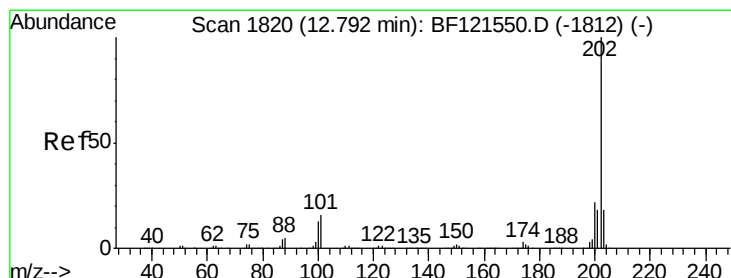
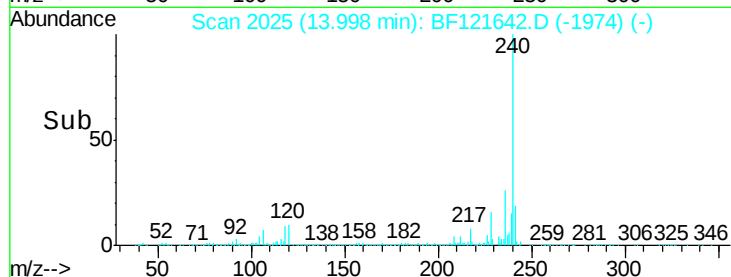
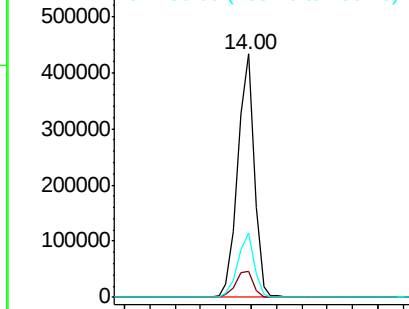
Tot Ion:	240	Resp:	385138
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.2	13.8
236	26.4	20.4	30.6

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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: 24.309 ng

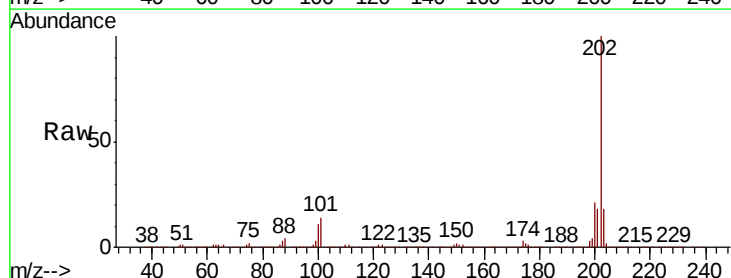
RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

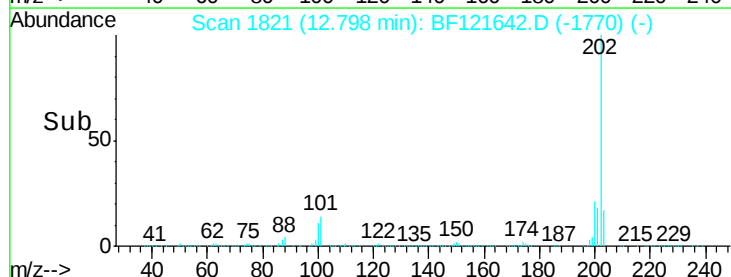
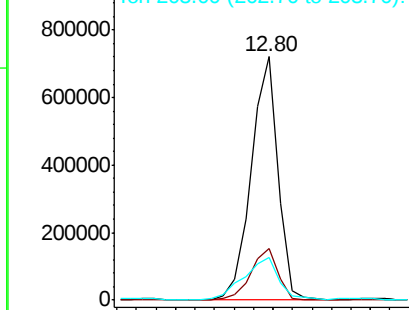
Lab File: BF121642.D

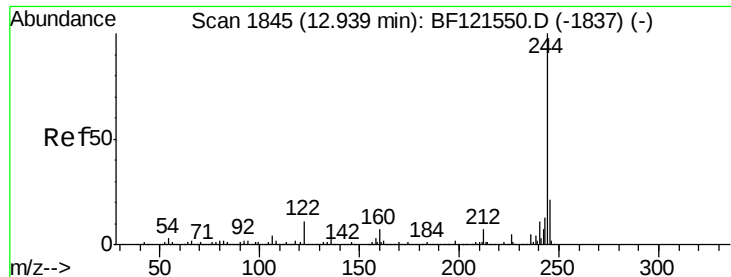
Acq: 21 Sep 2020 23:14

Tgt Ion:	202	Resp:	684033
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.8	26.6
203	17.7	14.4	21.6



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





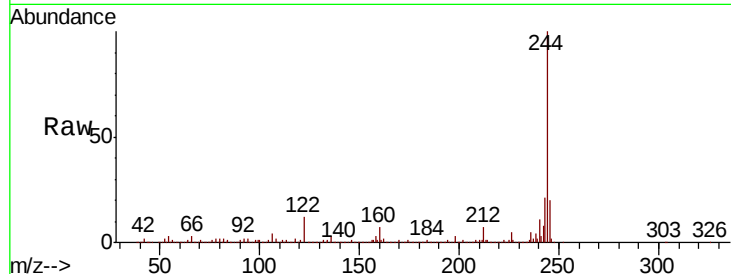
#79
 Terphenyl-d14
 Concen: 54.609 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF121642.D
 Acq: 21 Sep 2020 23:14

Instrument :
 BNA_F
 ClientSampled :
 H-1

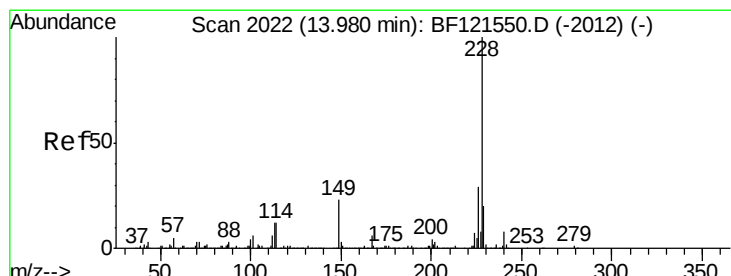
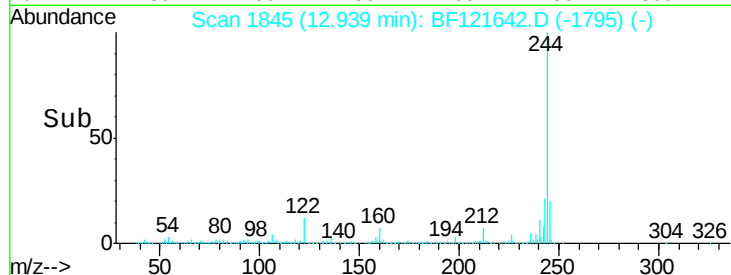
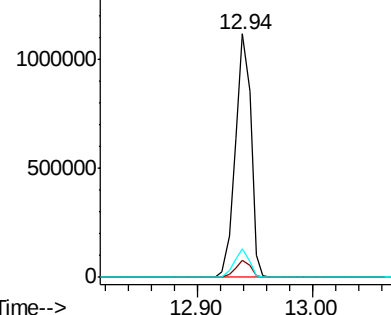
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	11.6	7.4	11.0

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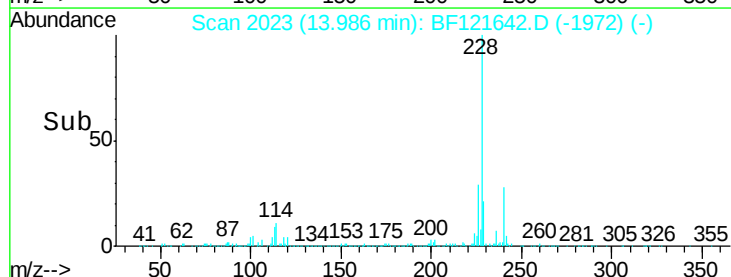
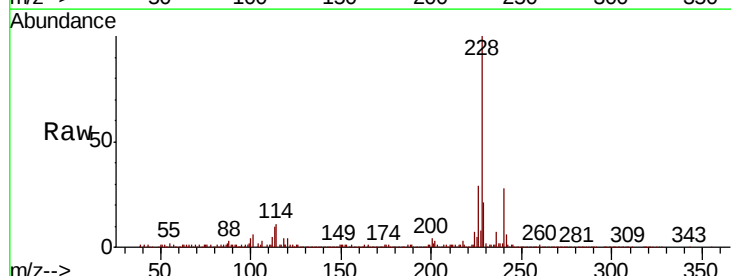
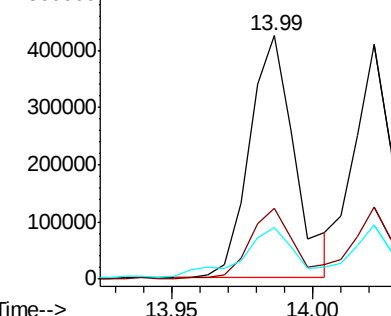
Abundance Ion 244.00 (243.70 to 244.70): E
 1500000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

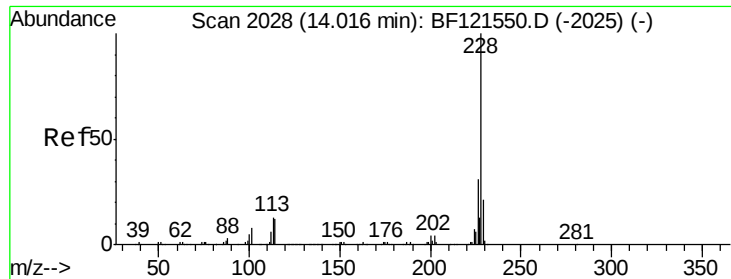


#81
 Benzo(a)anthracene
 Concen: 19.173 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF121642.D
 Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.1	16.2	24.2

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





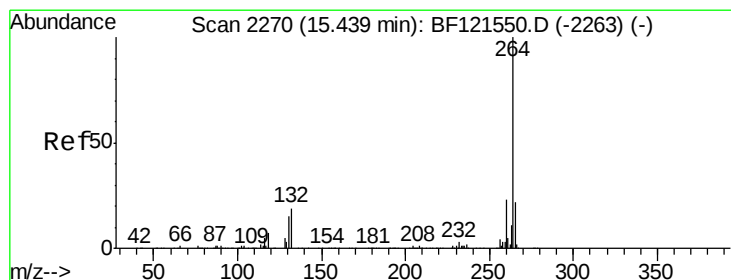
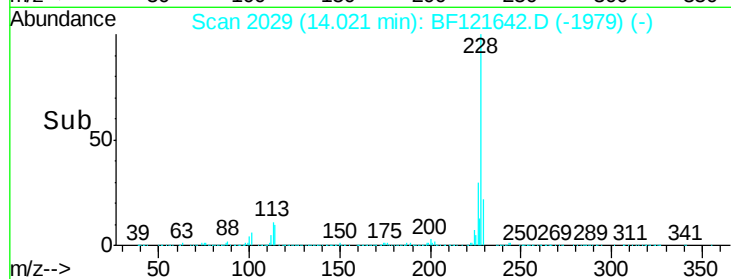
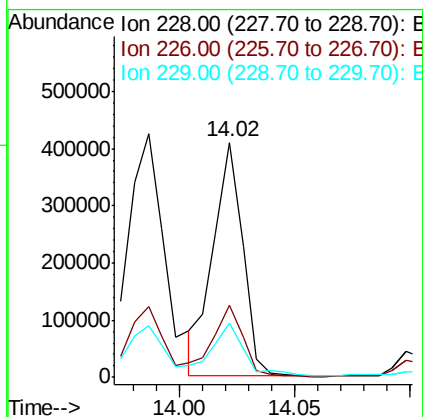
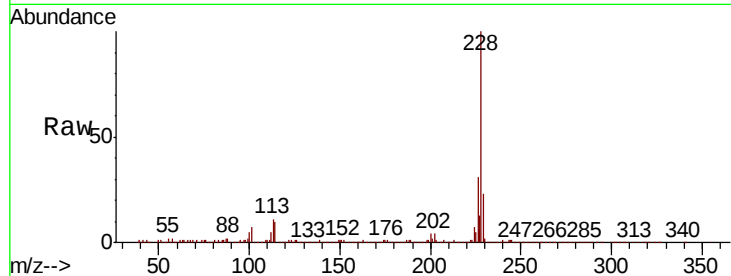
#83
Chrysene
Concen: 14.777 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
H-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.4
229	22.9	16.0	24.0

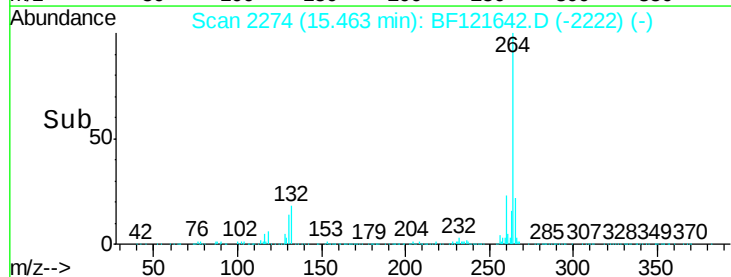
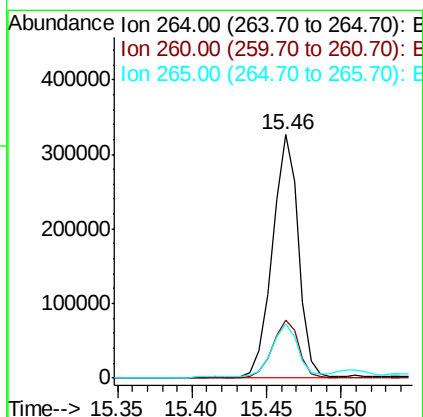
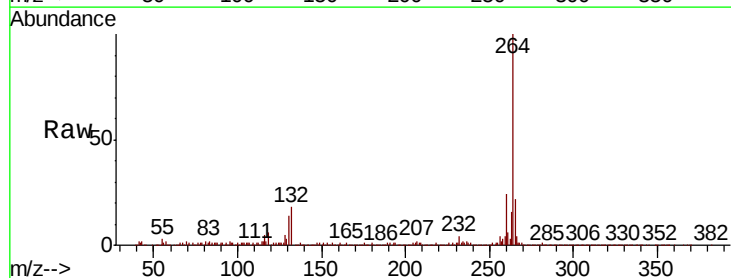
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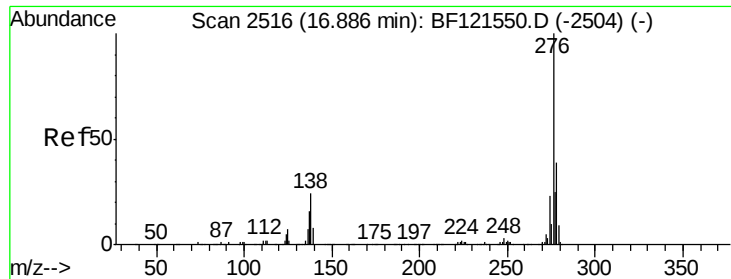
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.3	17.3	25.9





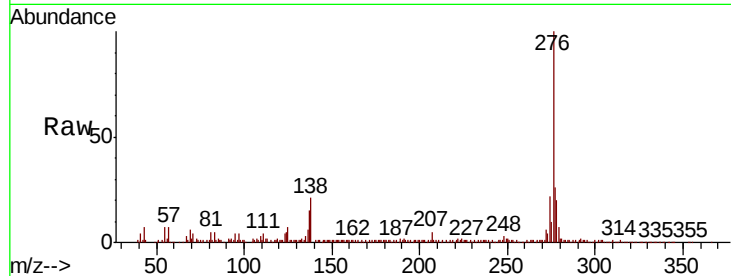
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.257 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: BF121642.D
 Acq: 21 Sep 2020 23:14

Instrument :
 BNA_F
 ClientSampleId :
 H-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.0	28.6
277	24.4	20.2	30.2

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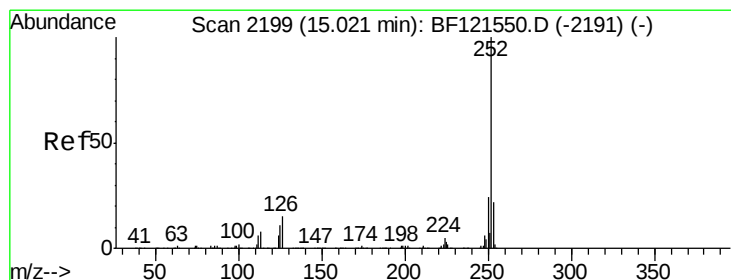
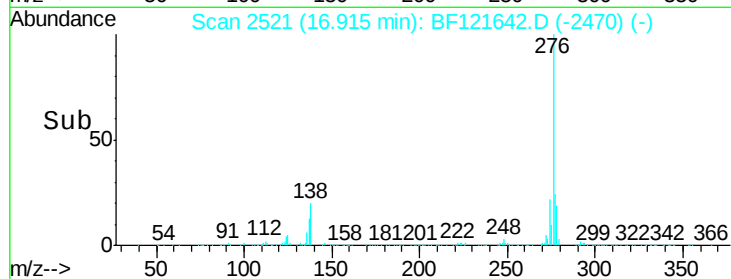
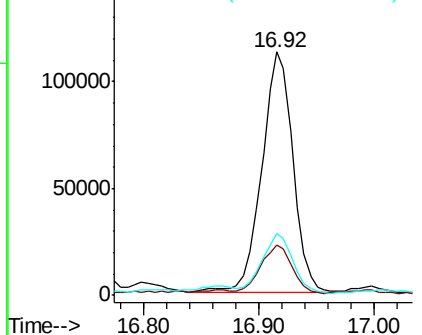


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 17.961 ng m
 RT: 15.04 min Scan# 2202
 Delta R.T. 0.01 min
 Lab File: BF121642.D
 Acq: 21 Sep 2020 23:14

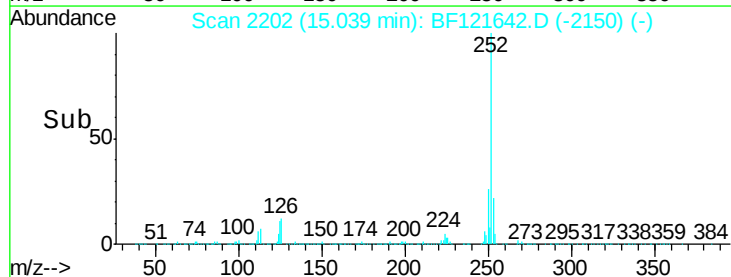
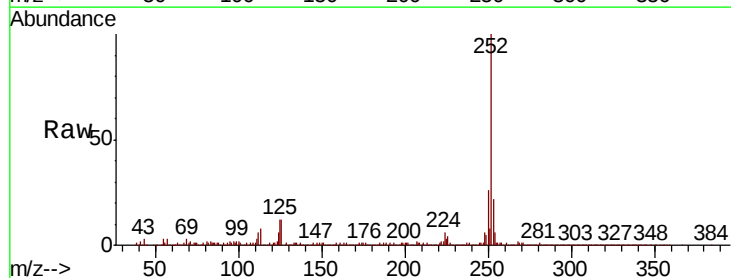
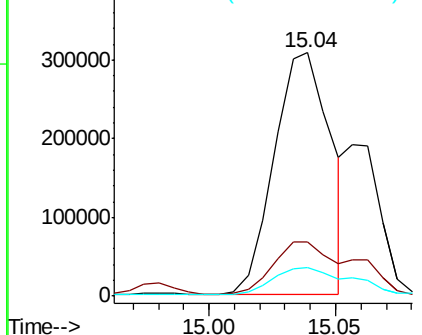
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	11.8	8.5	12.7

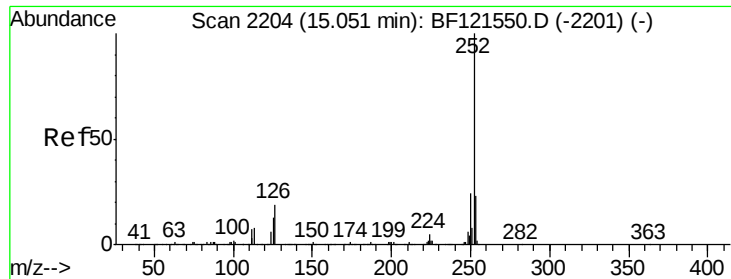
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





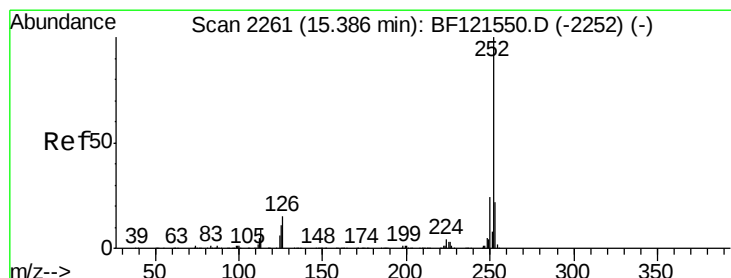
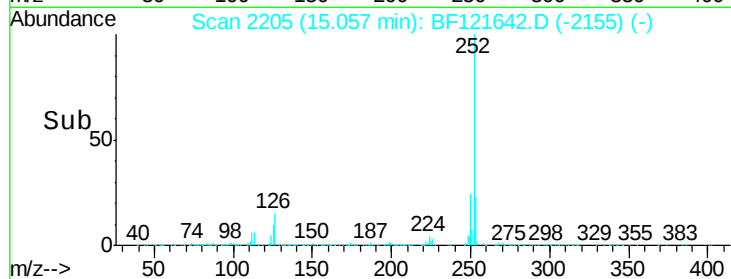
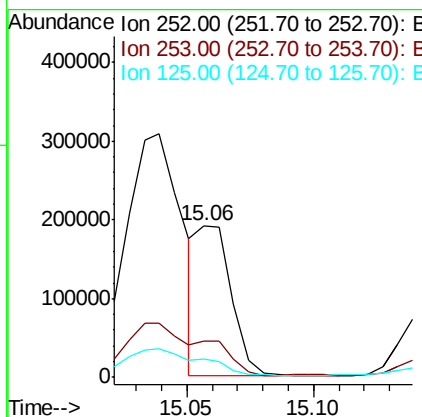
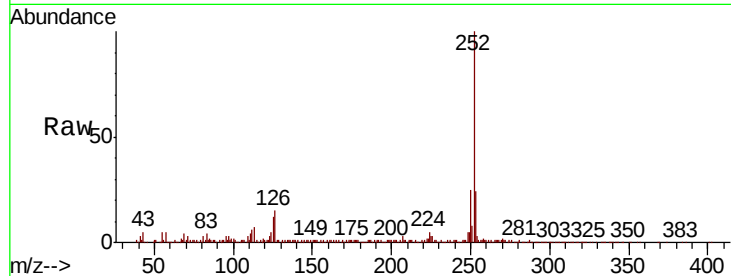
#89
Benzo(k)fluoranthene
Concen: 7.234 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
H-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	11.8	8.4	12.6

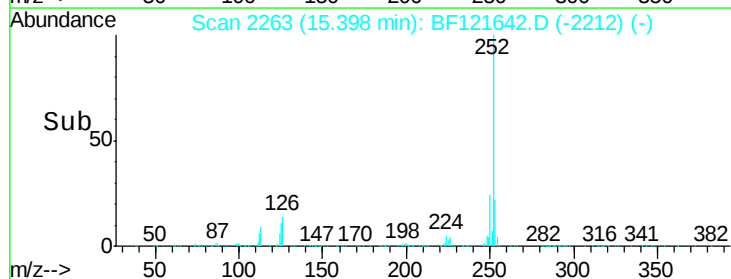
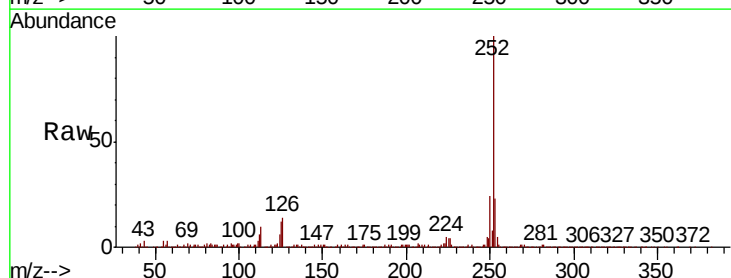
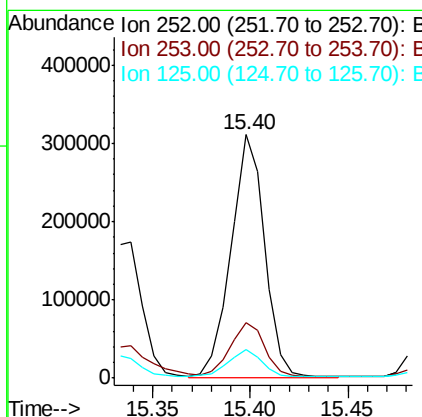
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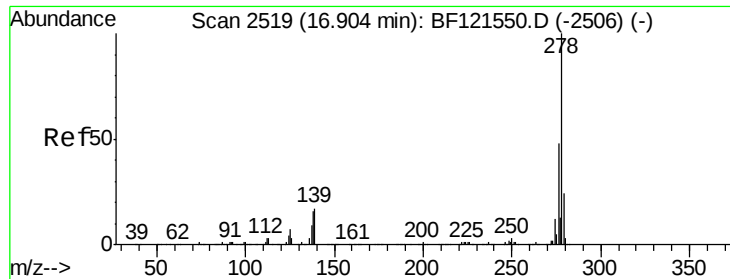
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#90
Benzo(a)pyrene
Concen: 16.387 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	11.8	9.1	13.7





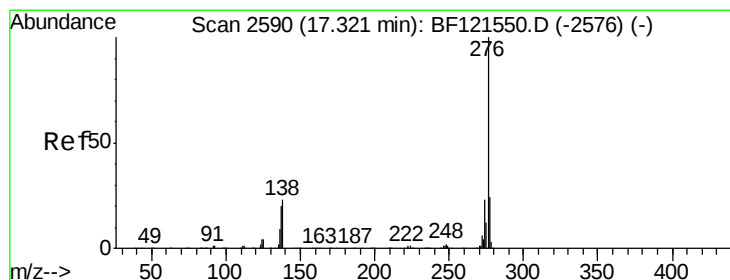
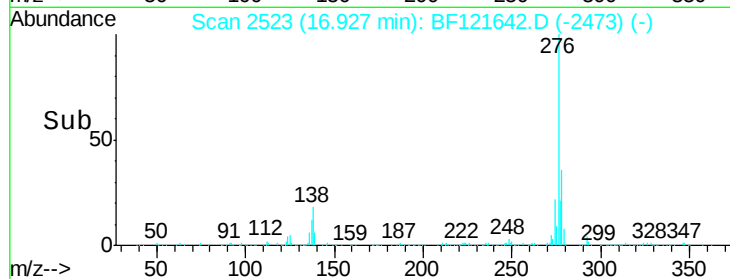
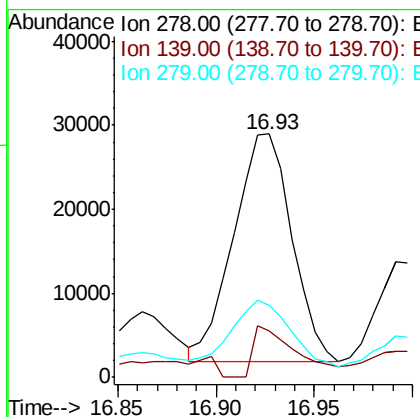
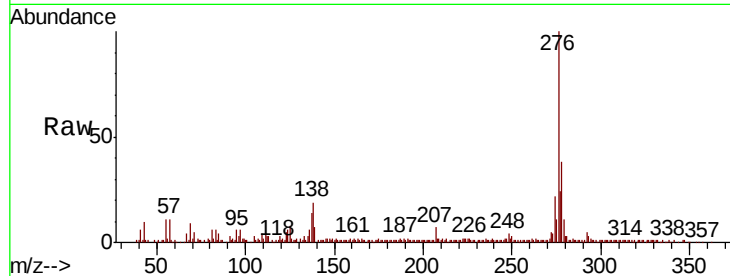
#91
Dibenzo(a,h)anthracene
Concen: 2.616 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Instrument :
BNA_F
ClientSampleId :
H-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	12.0	18.0#
279	29.9	19.4	29.2#

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#92
Benzo(g,h,i)perylene
Concen: 8.538 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF121642.D
Acq: 21 Sep 2020 23:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.3	28.9
138	20.1	16.9	25.3

