

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120654.D
 Acq On : 18 Jun 2020 20:57
 Operator : JU/CG
 Sample : L2809-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061720

Manual Integrations
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Quant Time: Jun 19 01:54:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140687	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	527402	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	264163	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	511845	20.00	ng	0.00
76) Chrysene-d12	13.96	240	430496	20.00	ng	0.00
86) Perylene-d12	15.41	264	380482	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	386301	47.08	ng	0.00
7) Phenol-d6	6.44	99	468469	45.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	266048	28.20	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	141460	46.06	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	607332	35.18	ng	0.00
79) Terphenyl-d14	12.90	244	739605	37.95	ng	0.00
Target Compounds						
49) Acenaphthylene	9.70	152	50620	2.033	ng	97
50) Dimethylphthalate	9.55	163	48217	2.534	ng	98
71) Phenanthrene	11.35	178	89773	3.528	ng	97
75) Fluoranthene	12.53	202	143870	4.946	ng	99
78) Pyrene	12.76	202	184825	6.060	ng	98
81) Benzo(a)anthracene	13.95	228	91170m	3.525	ng	
83) Chrysene	13.99	228	97349m	3.669	ng	
87) Indeno(1,2,3-cd)pyrene	16.83	276	55028	2.378	ng	99
88) Benzo(b)fluoranthene	14.99	252	123706m	5.458	ng	
90) Benzo(a)pyrene	15.34	252	93973	4.633	ng	# 95
92) Benzo(g,h,i)perylene	17.26	276	56852	3.039	ng	96

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

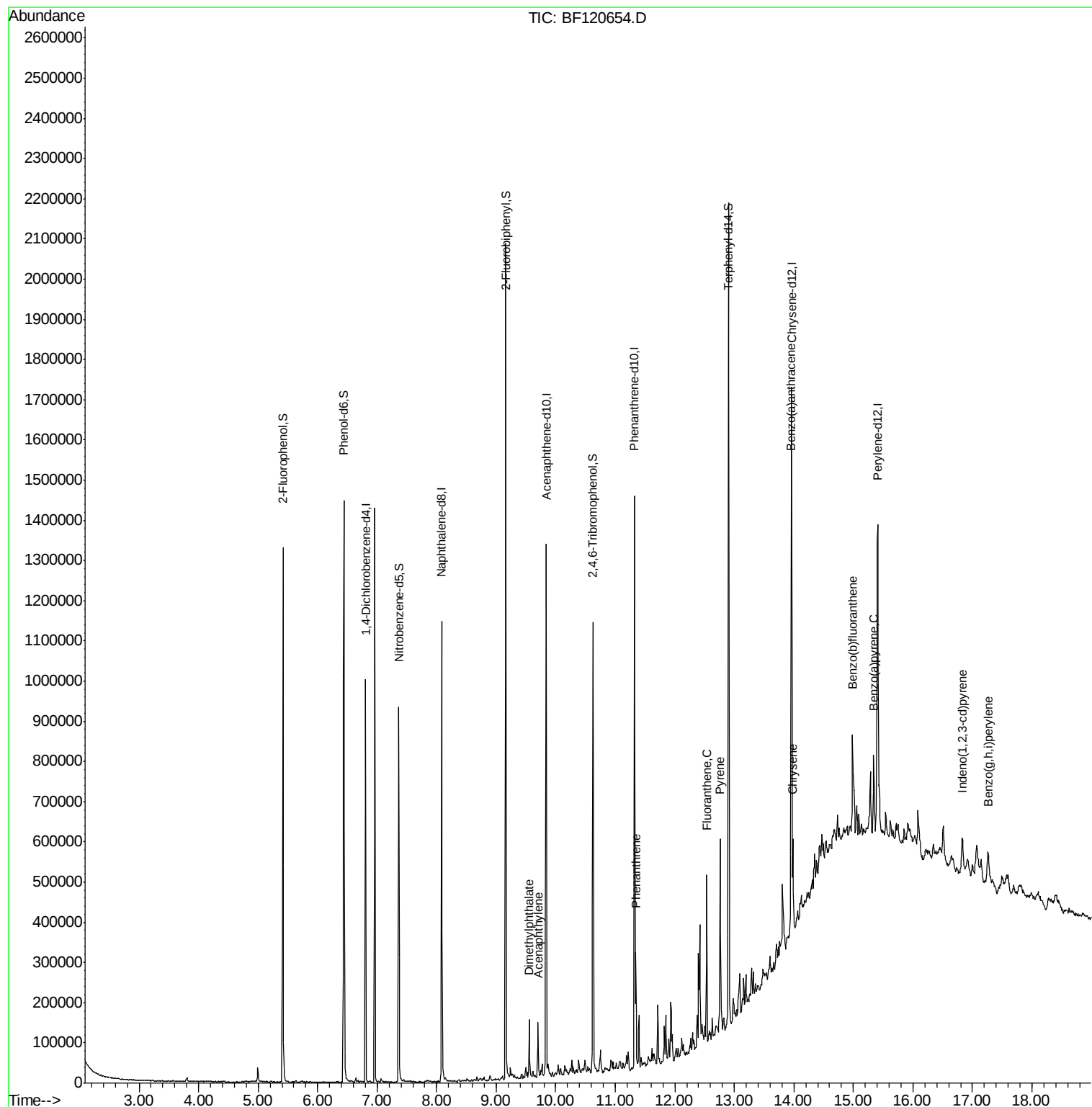
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
Data File : BF120654.D
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Operator : JU/CG
Sample : L2809-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

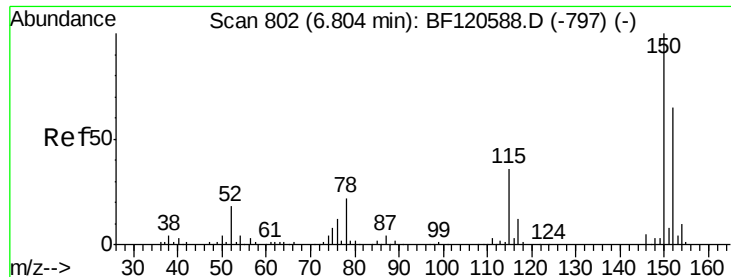
Instrument :
BNA_F
ClientSampleId :
HD-01-061720

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Quant Time: Jun 19 01:54:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 11 11:28:22 2020
Response via : Initial Calibration





#1

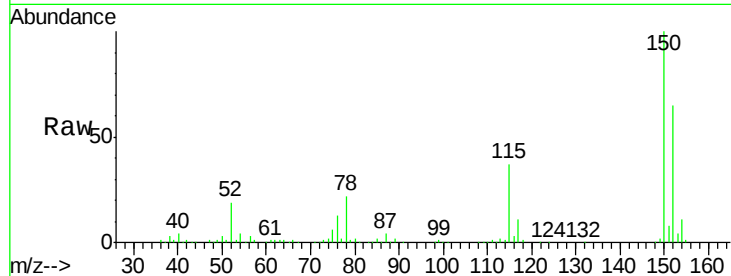
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Instrument :
BNA_F
ClientSampleId :
HD-01-061720

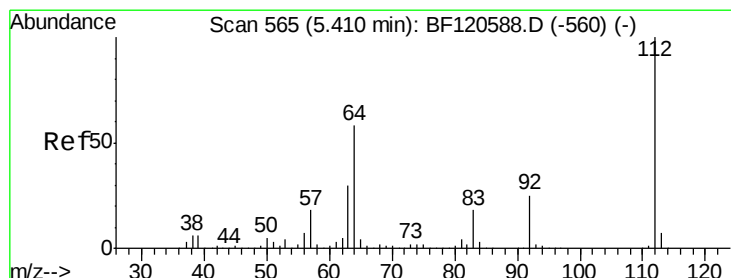
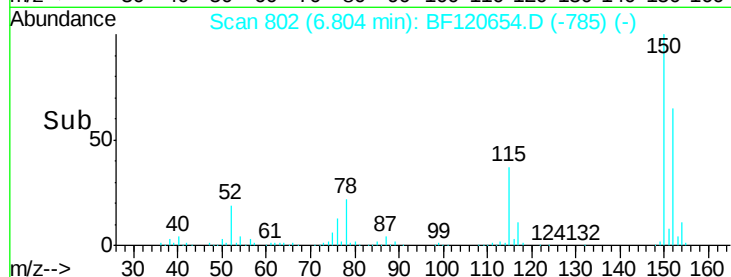
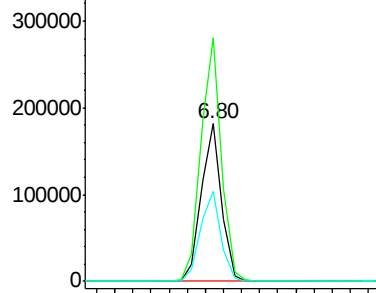
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.2	184.8
115	56.7	43.9	65.9

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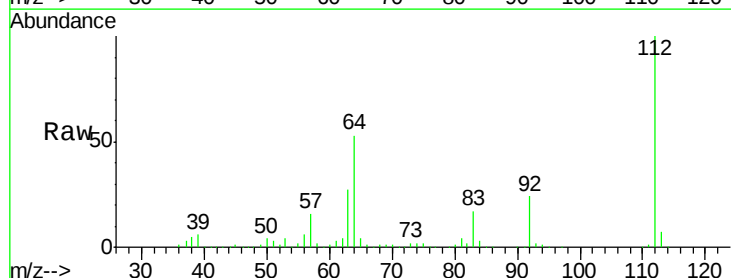
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



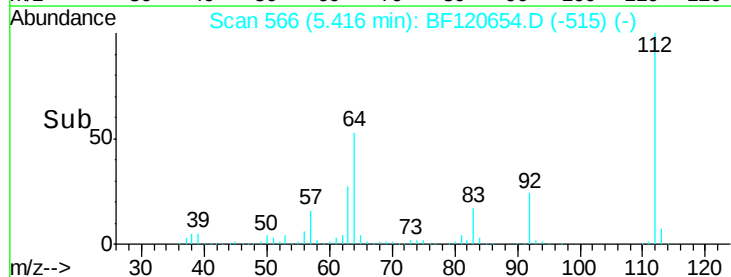
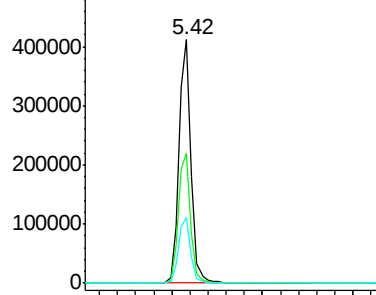
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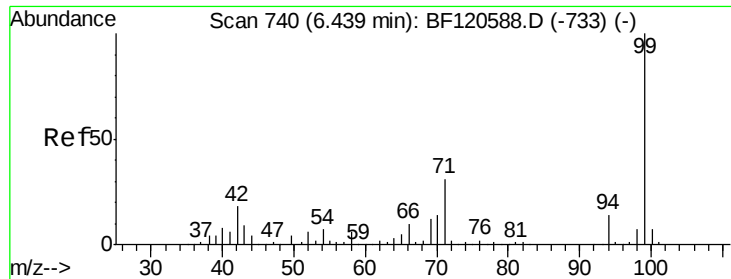
2-Fluorophenol
Concen: 47.076 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.1	69.1
63	27.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 45.836 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

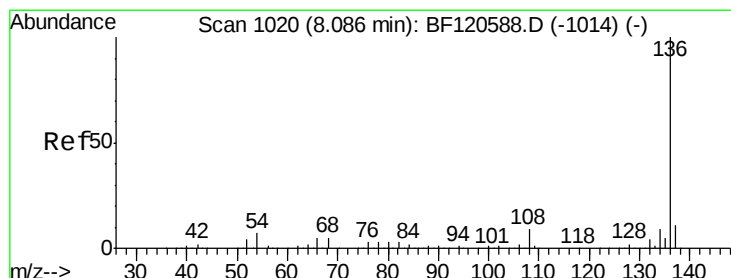
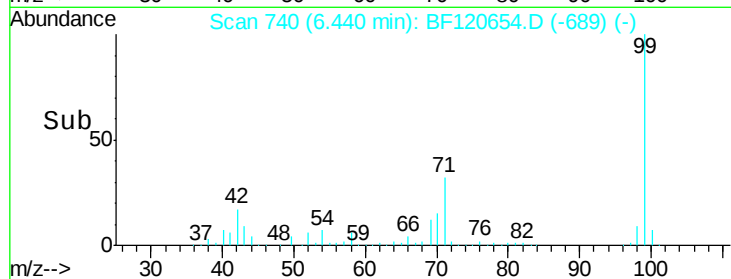
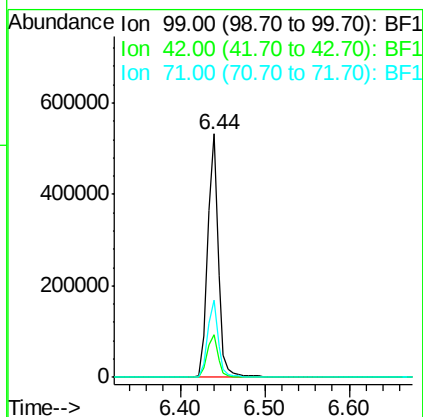
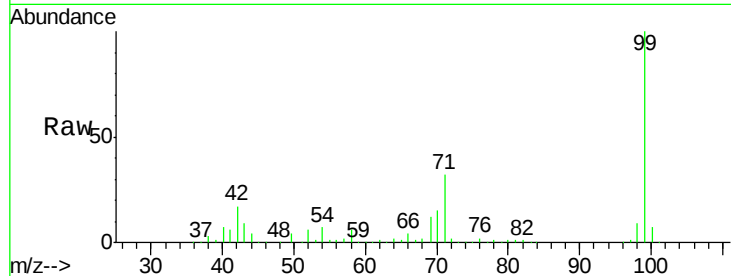
ClientSampleId :

HD-01-061720

Tot Ion:	99	Resp:	468469
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.0	21.0
71	31.5	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

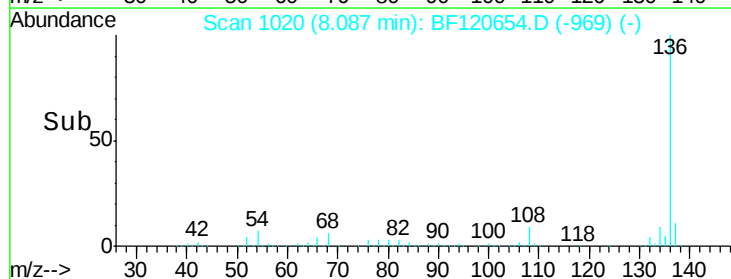
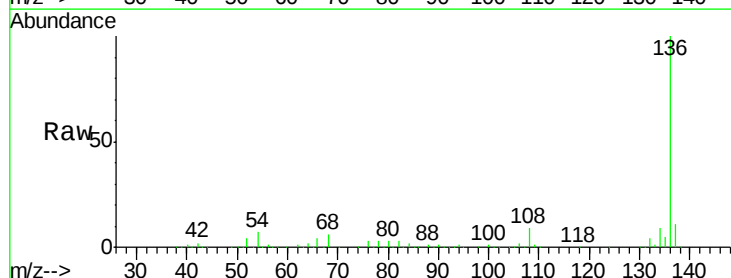
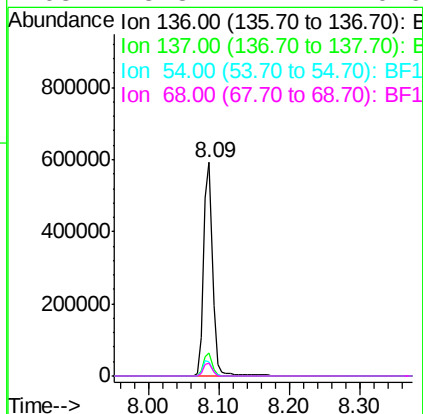
RT: 8.09 min Scan# 1020

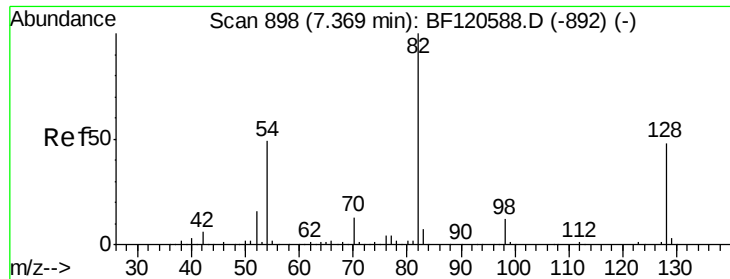
Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Tgt Ion:	136	Resp:	527402
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	6.9	5.8	8.6
68	5.8	4.4	6.6





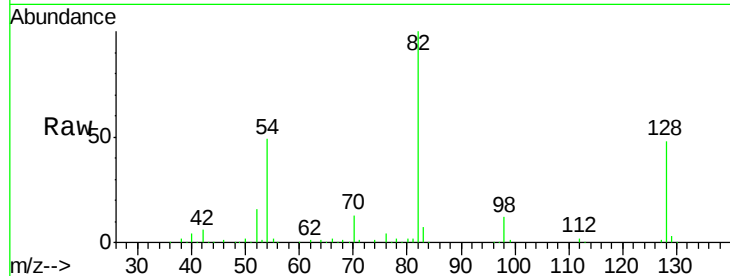
#23
Nitrobenzene-d5
Concen: 28.197 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Instrument :
BNA_F
ClientSampleId :
HD-01-061720

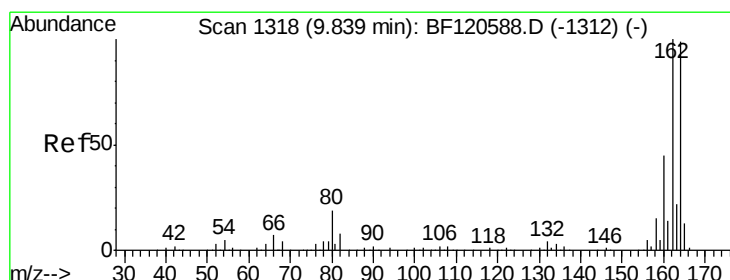
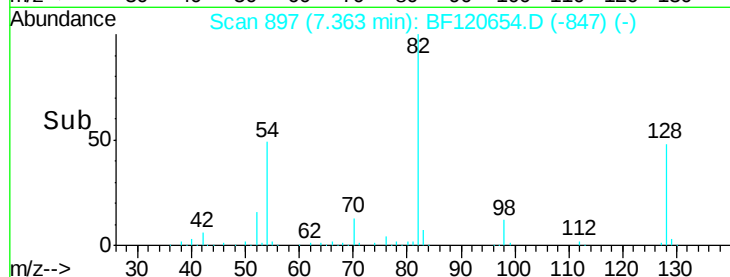
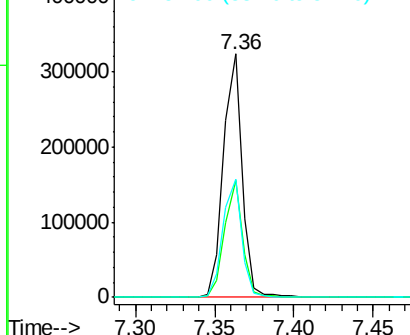
Tot Ion	82	Resp	266048
Ion Ratio	100	Lower	Upper
82	100		
128	47.8	38.0	57.0
54	48.6	38.8	58.2

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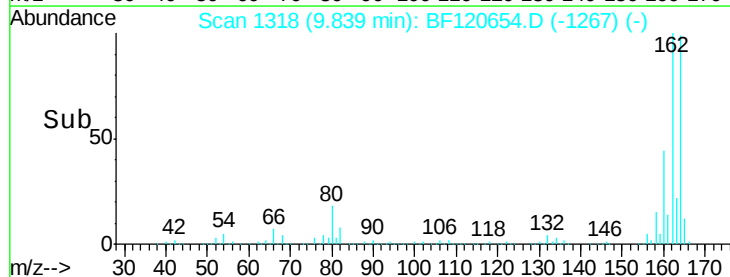
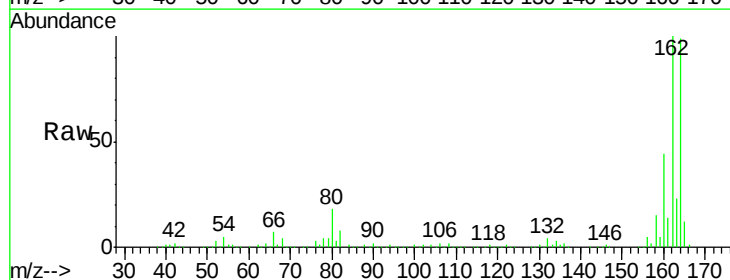
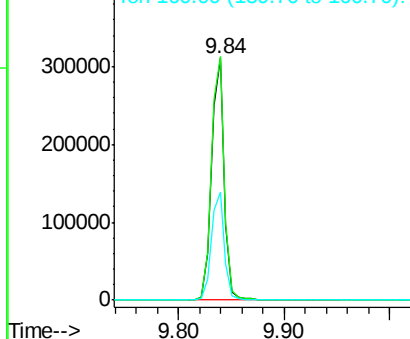
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

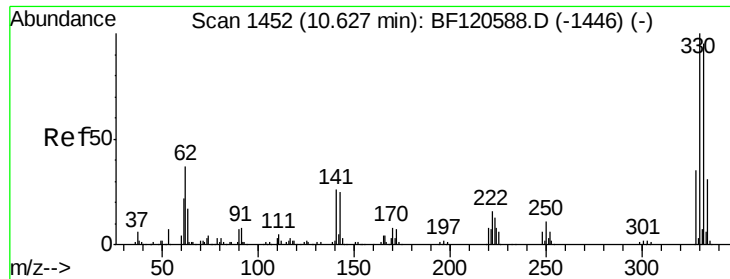


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion	164	Resp	264163
Ion Ratio	100	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.8	36.2	54.2

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





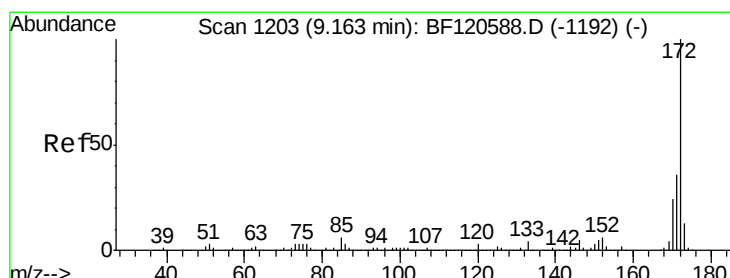
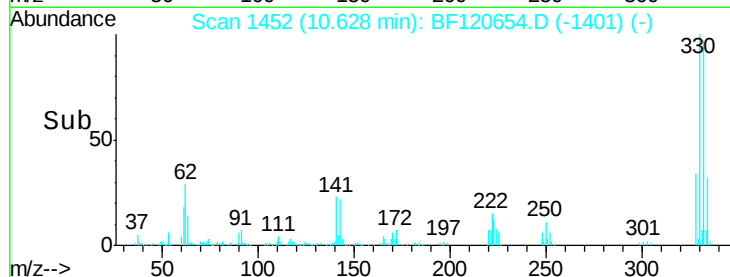
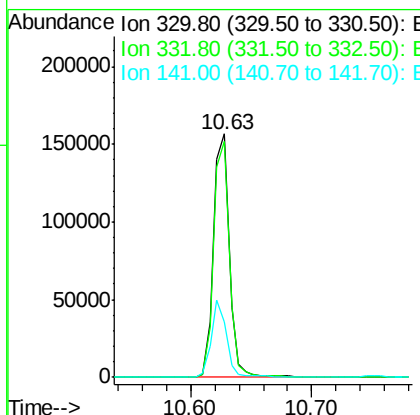
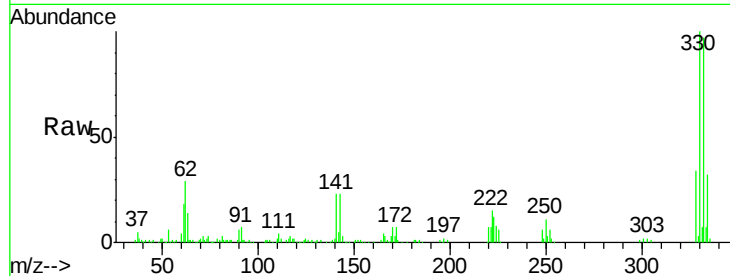
#42
 2,4,6-Tribromophenol
 Concen: 46.059 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061720

Tot Ion	Ratio	Resp	Lower	Upper
330	100	141460		
332	97.0	76.8	115.2	
141	31.0	23.2	34.8	

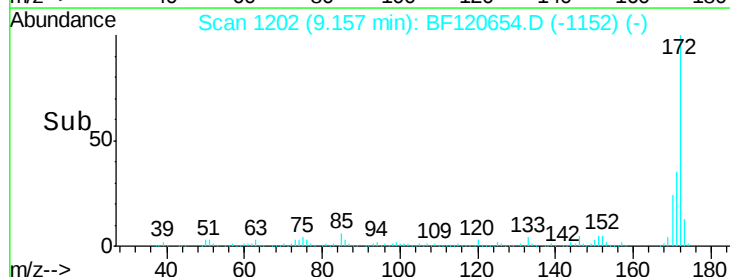
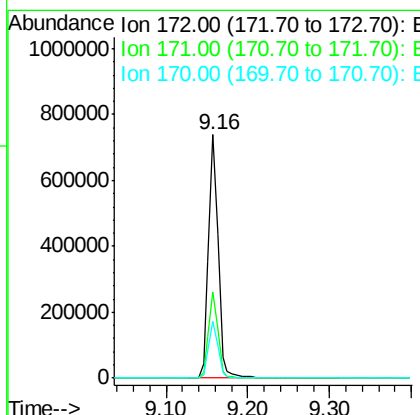
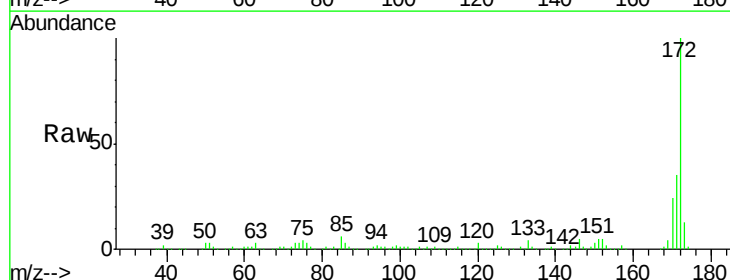
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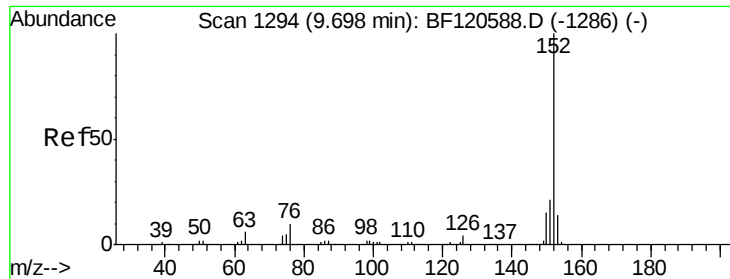
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#45
 2-Fluorobiphenyl
 Concen: 35.176 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	607332		
171	35.2	29.0	43.4	
170	23.5	19.4	29.2	





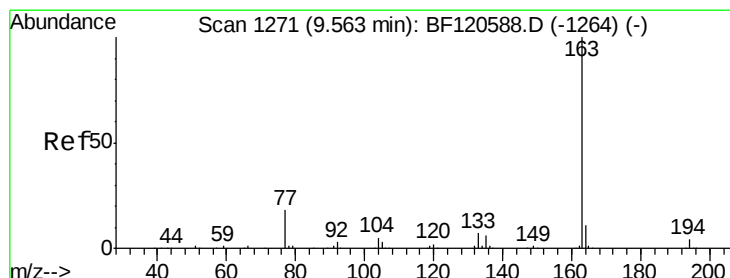
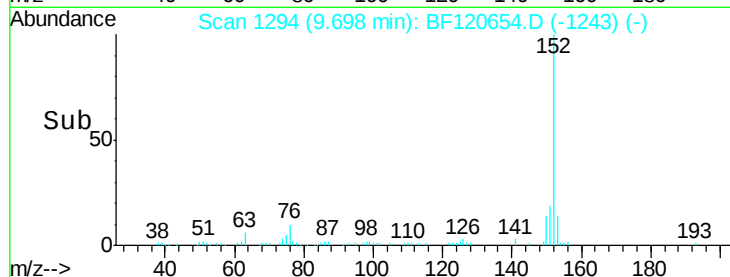
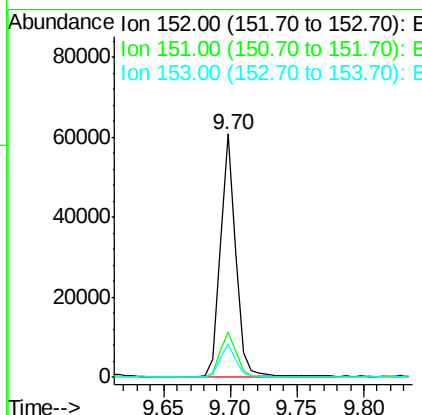
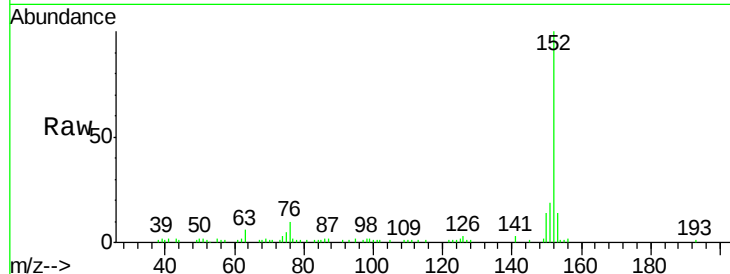
#49
Acenaphthylene
Concen: 2.033 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Instrument :
BNA_F
ClientSampleId :
HD-01-061720

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.6	25.0
153	13.6	11.0	16.6

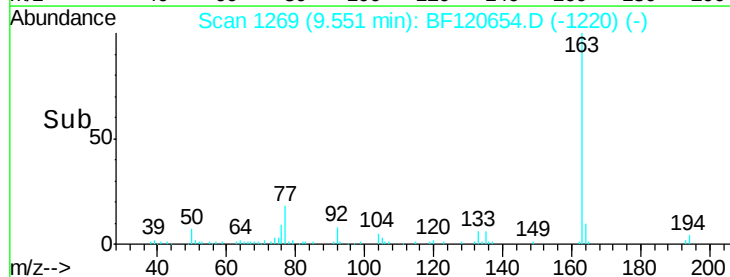
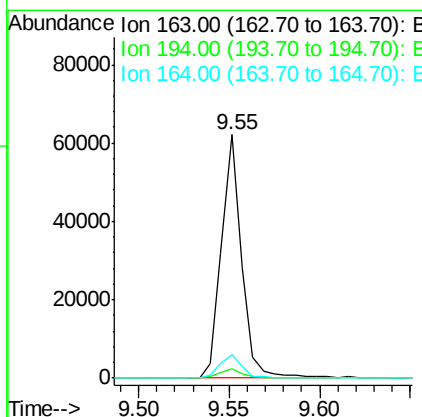
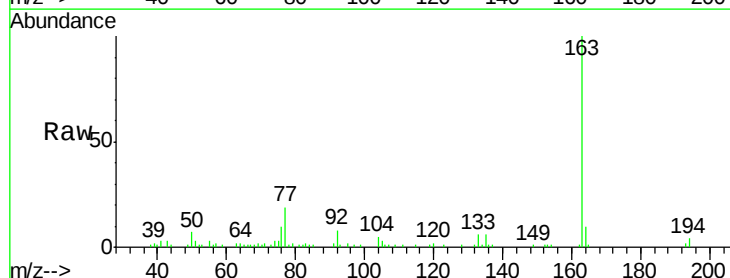
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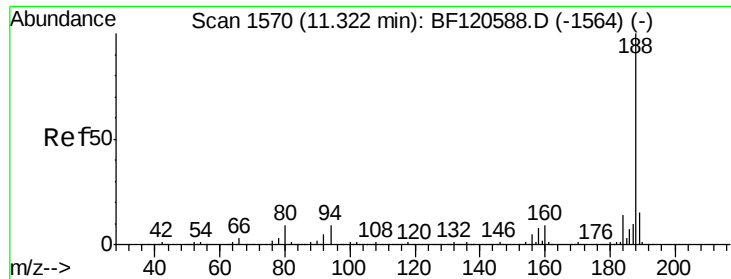
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#50
Dimethylphthalate
Concen: 2.534 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.6	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

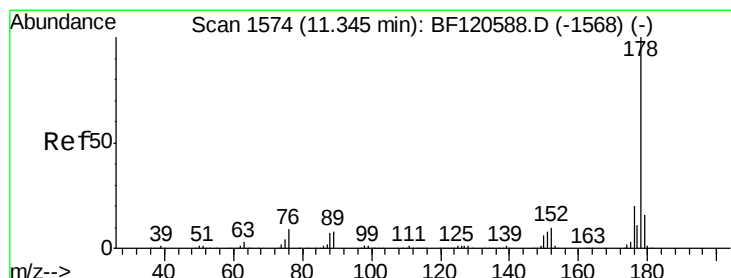
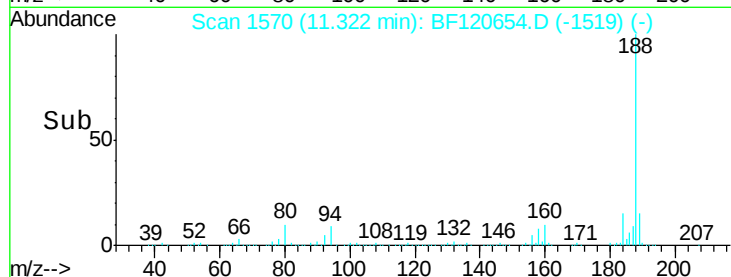
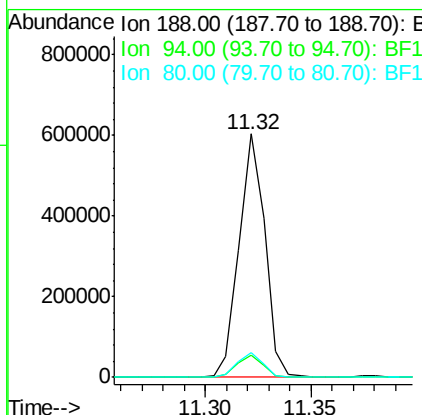
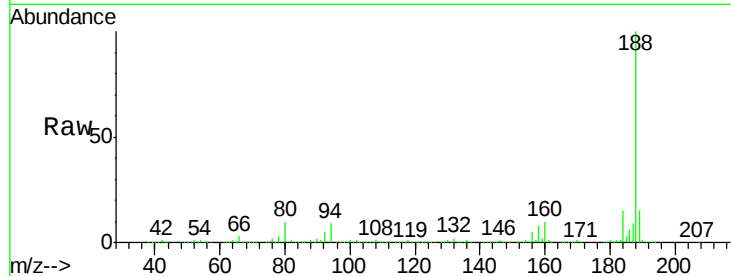
ClientSampleId :

HD-01-061720

Tot Ion:	188	Resp:	511845
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.2	10.8
80	10.1	7.4	11.2

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#71

Phenanthrene

Concen: 3.528 ng

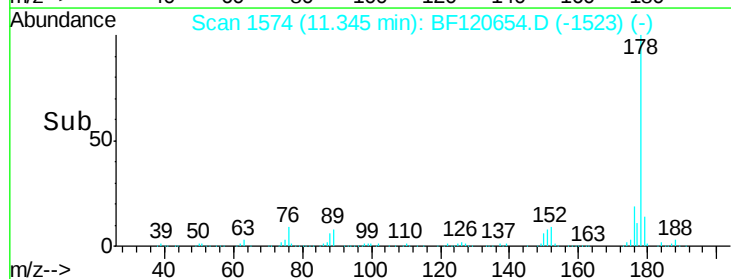
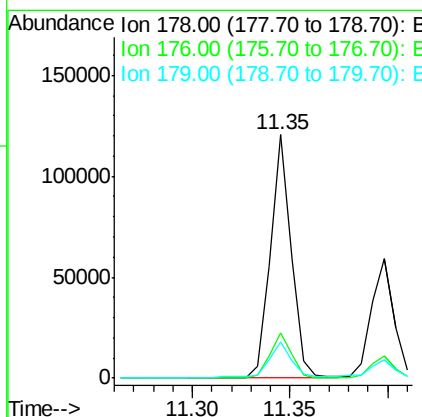
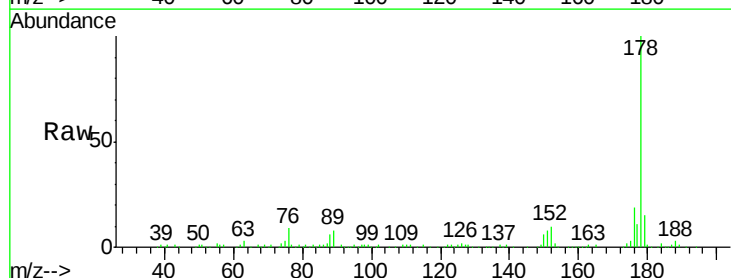
RT: 11.35 min Scan# 1574

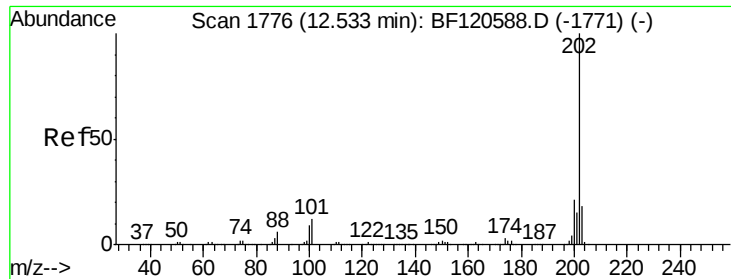
Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Tgt Ion:	178	Resp:	89773
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	14.8	12.8	19.2





#75

Fluoranthene

Concen: 4.946 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

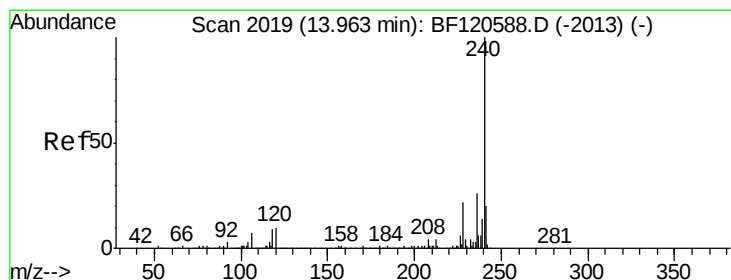
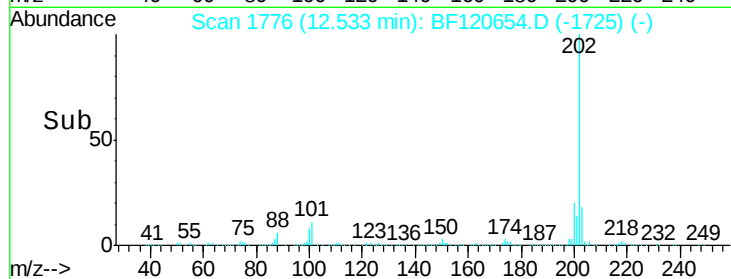
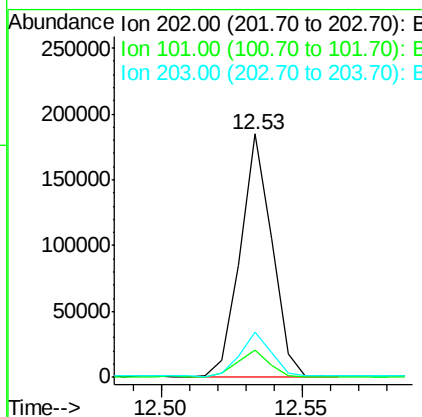
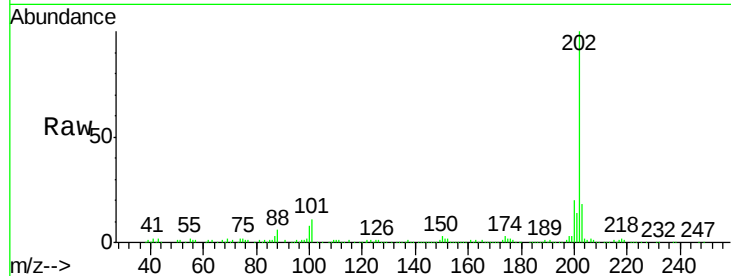
ClientSampleId :

HD-01-061720

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	32.0
203	18.4	0.0	38.3

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#76

Chrysene-d12

Concen: 20.000 ng

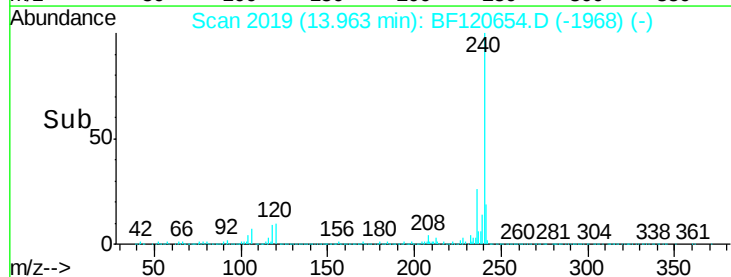
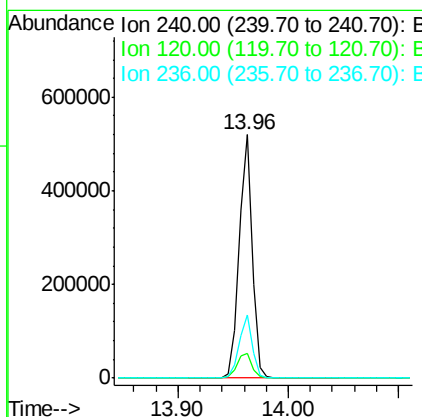
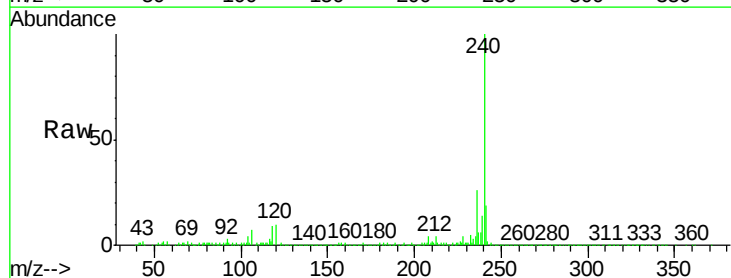
RT: 13.96 min Scan# 2019

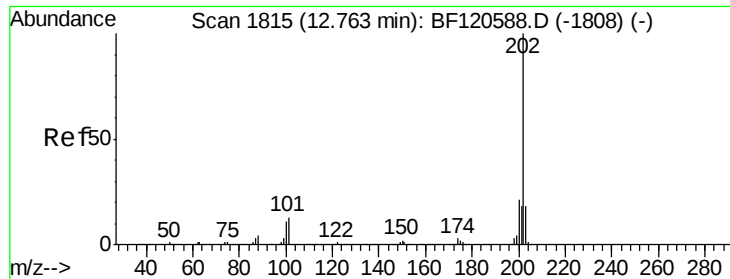
Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	8.3	12.5
236	25.8	21.0	31.4





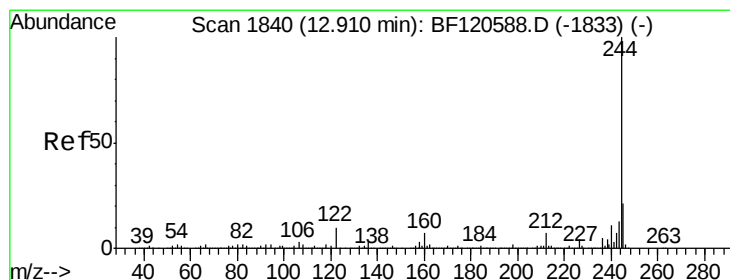
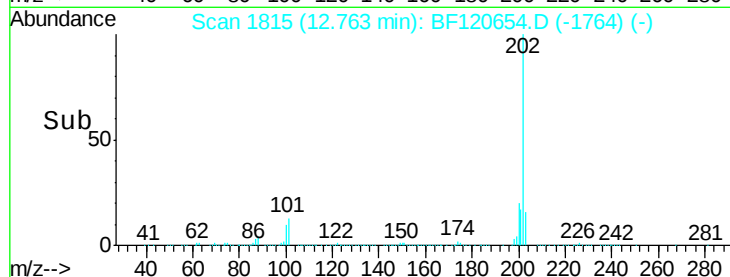
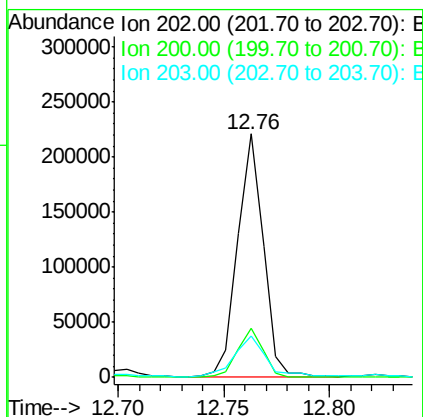
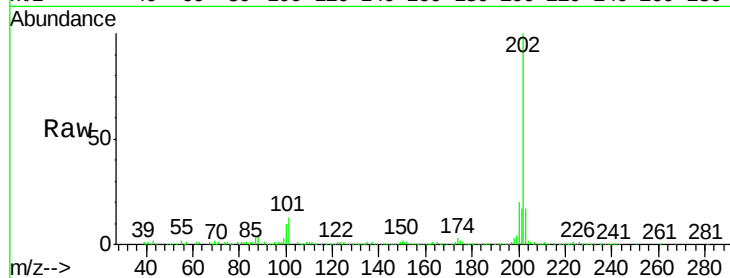
#78
Pvrene
Concen: 6.060 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Instrument :
BNA_F
ClientSampleId :
HD-01-061720

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	16.8	25.2
203	17.1	14.3	21.5

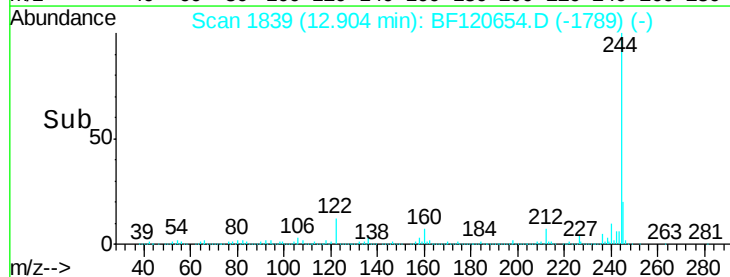
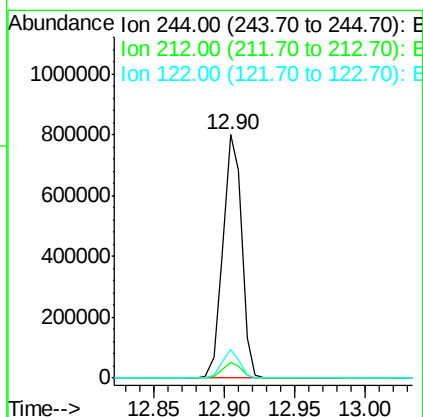
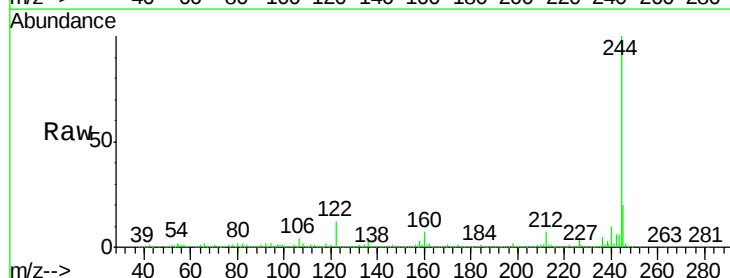
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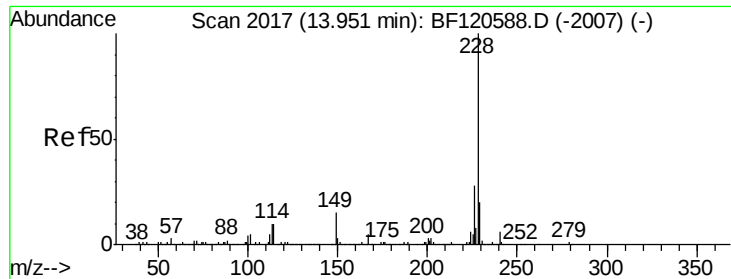
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#79
Terphenyl-d14
Concen: 37.949 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.7	8.5
122	11.6	8.3	12.5





#81

Benzo(a)anthracene

Concen: 3.525 ng m

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

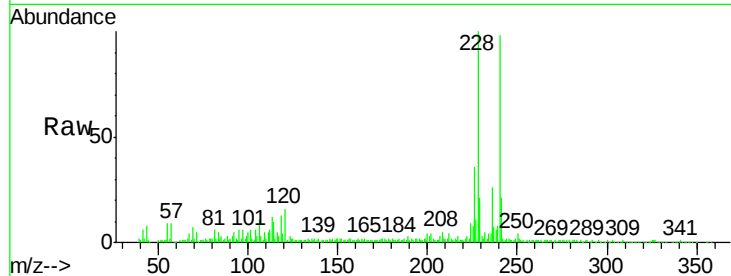
ClientSampleId :

HD-01-061720

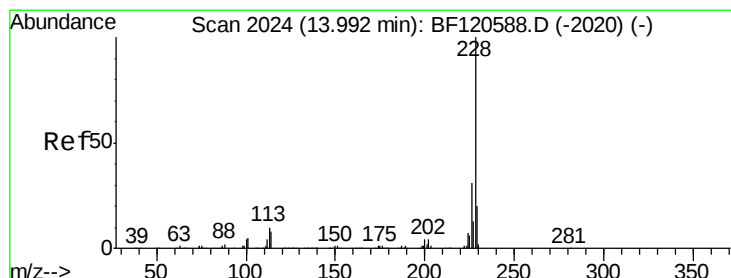
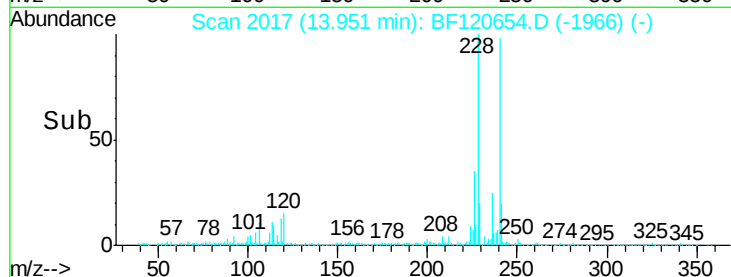
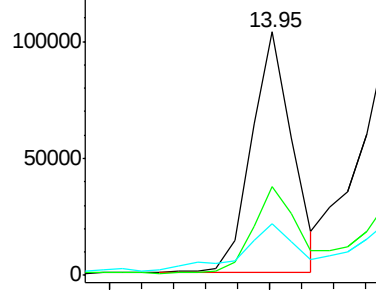
Tot Ion:	228	Resp:	91170
Ion Ratio	Lower	Upper	
228	100		
226	36.3	22.5	33.7#
229	21.3	16.1	24.1

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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: 3.669 ng m

RT: 13.99 min Scan# 2023

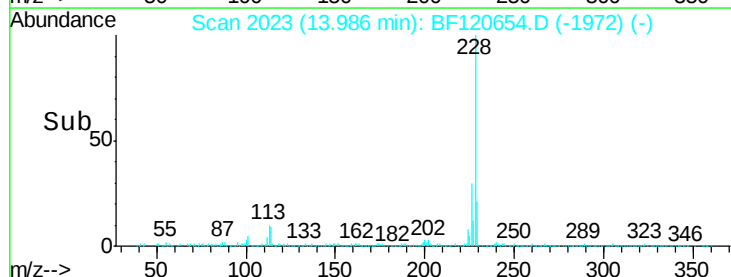
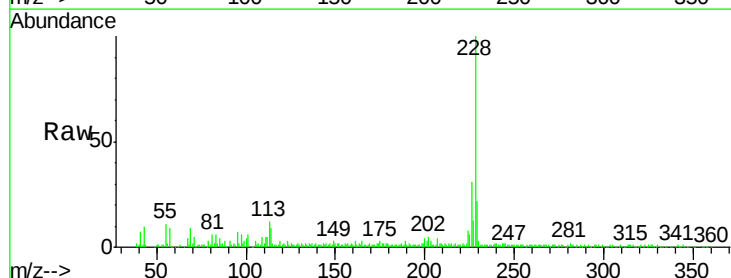
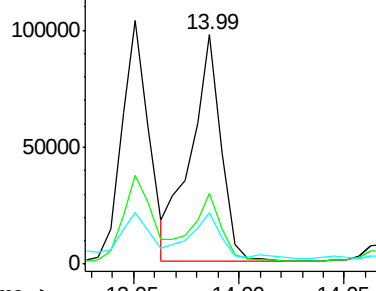
Delta R.T. 0.00 min

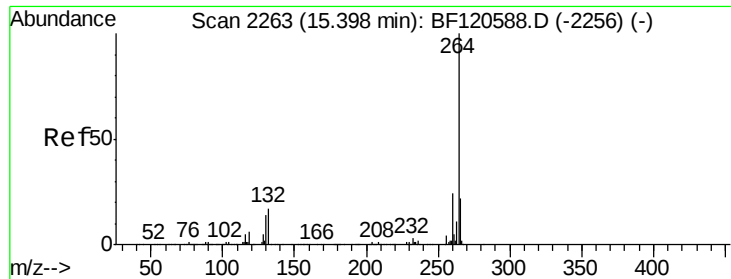
Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Tgt Ion:	228	Resp:	97349
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	22.4	16.1	24.1

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: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

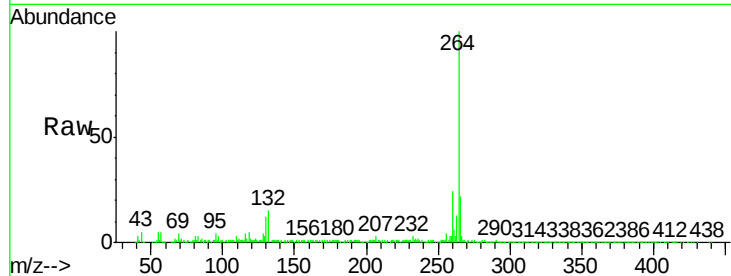
ClientSampleId :

HD-01-061720

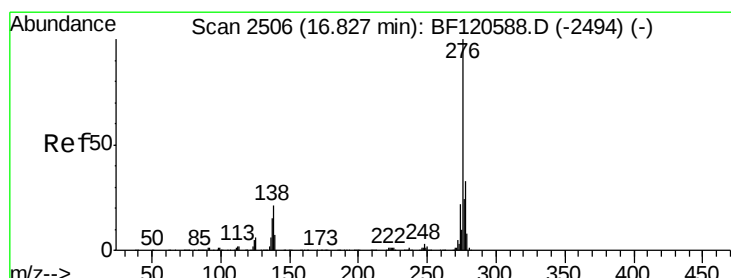
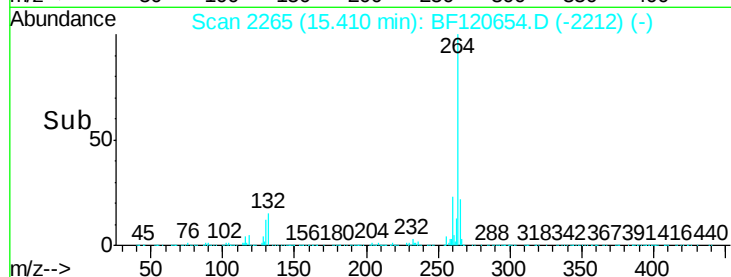
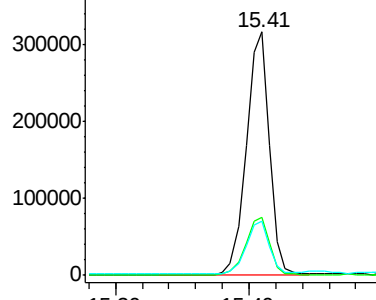
Tot Ion:	264	Resp:	380482
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.3	28.9
265	22.2	17.8	26.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.378 ng

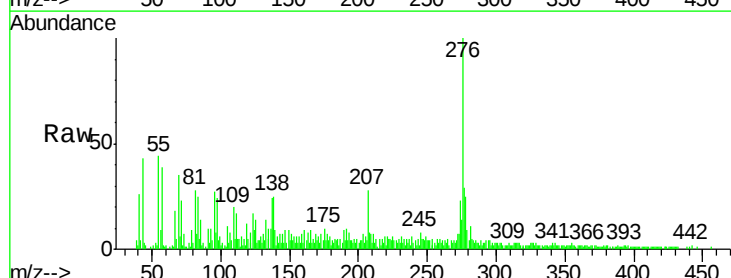
RT: 16.83 min Scan# 2506

Delta R.T. 0.00 min

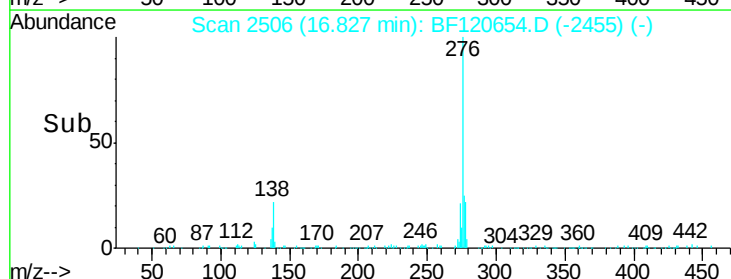
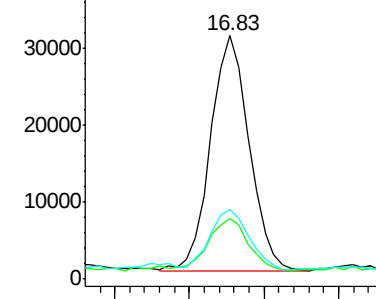
Lab File: BF120654.D

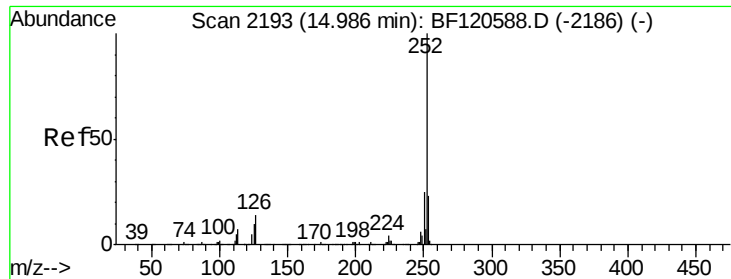
Acq: 18 Jun 2020 20:57

Tgt Ion:	276	Resp:	55028
Ion Ratio	Lower	Upper	
276	100		
138	23.1	18.9	28.3
277	25.6	20.2	30.2



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: 5.458 ng m

RT: 14.99 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

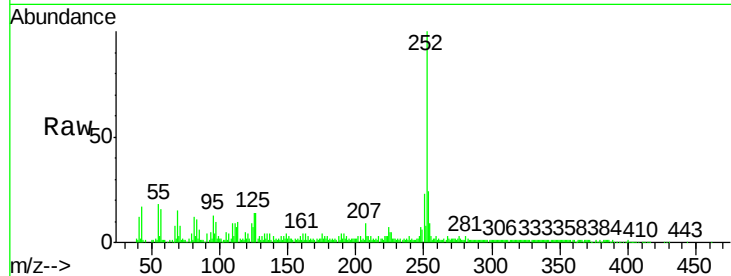
ClientSampleId :

HD-01-061720

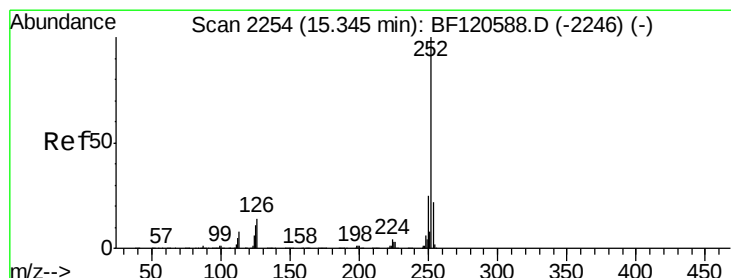
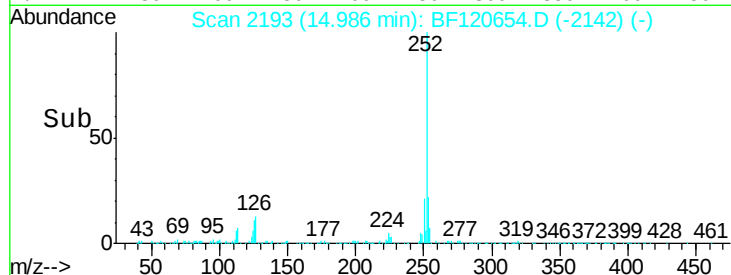
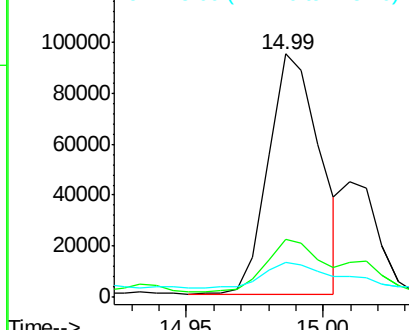
Tot Ion:	252	Resp:	123706
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.1	27.1
125	14.5	8.3	12.5#

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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



#90

Benzo(a)pyrene

Concen: 4.633 ng

RT: 15.34 min Scan# 2254

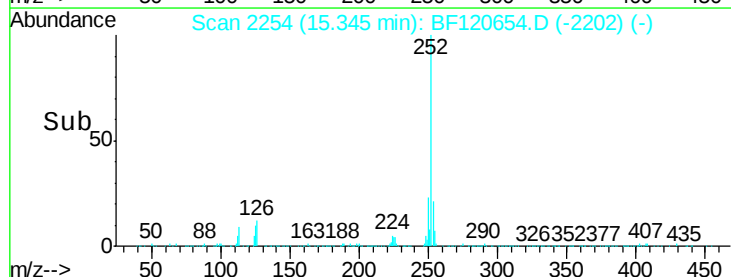
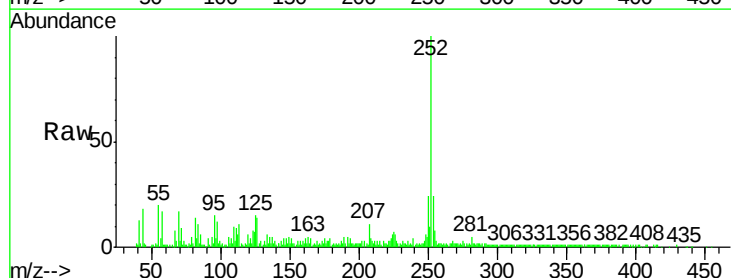
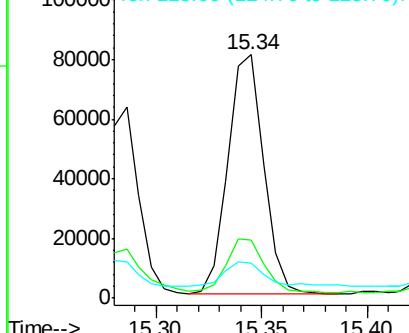
Delta R.T. 0.01 min

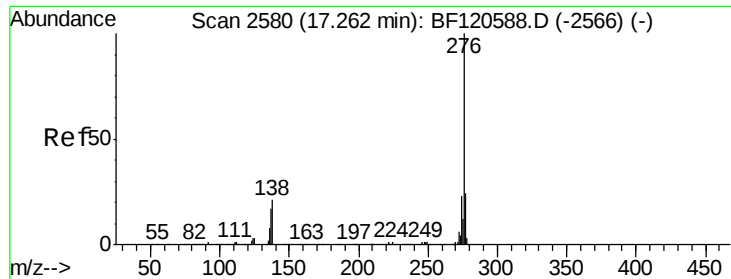
Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Tgt Ion:	252	Resp:	93973
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.8
125	14.6	8.6	12.8#

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





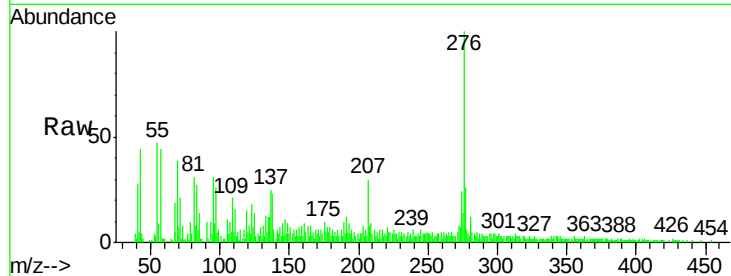
#92
 Benzo(a,h,i)perylene
 Concen: 3.039 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. 0.00 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061720

Tot Ion:	276	Resp:	56852
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.6	29.4
138	23.0	16.5	24.7

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

