

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112753.D
 Acq On : 28 Feb 2019 11:05
 Operator : JU/SJ
 Sample : K1613-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-1

Manual Integrations
 APPROVED

Sohil
 3/1/2019 2:59:43 PM

Quant Time: Mar 01 05:40:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	216649	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	799591	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	336375	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	553012	20.00	ng	0.00
76) Chrysene-d12	13.87	240	437506	20.00	ng	0.00
87) Perylene-d12	15.29	264	548054	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1192041	85.59	ng	0.01
7) Phenol-d6	6.37	99	1528267	87.35	ng	0.00
23) Nitrobenzene-d5	7.30	82	921173	68.94	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	318872	89.29	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1383423	67.93	ng	0.00
79) Terphenyl-d14	12.83	244	1058324	46.89	ng	0.00
Target Compounds						
10) Phenol	6.39	94	55320	2.710	ng	93
50) Dimethylphthalate	9.49	163	96526	3.892	ng	99
75) Fluoranthene	12.45	202	92741	3.146	ng	97
78) Pyrene	12.68	202	100507	2.725	ng	97
80) Butylbenzylphthalate	13.30	149	95196	5.847	ng	98
81) Benzo(a)anthracene	13.86	228	65438	2.158	ng	96
83) Chrysene	13.90	228	59684	2.009	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	615808	32.248	ng	100
86) Indeno(1,2,3-cd)pyrene	16.63	276	69514	2.745	ng	# 93
88) Benzo(b)fluoranthene	14.88	252	121830m	3.437	ng	
90) Benzo(a)pyrene	15.22	252	87375	2.787	ng	99
92) Benzo(a,h,i)perylene	17.04	276	72637	2.704	ng	99

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

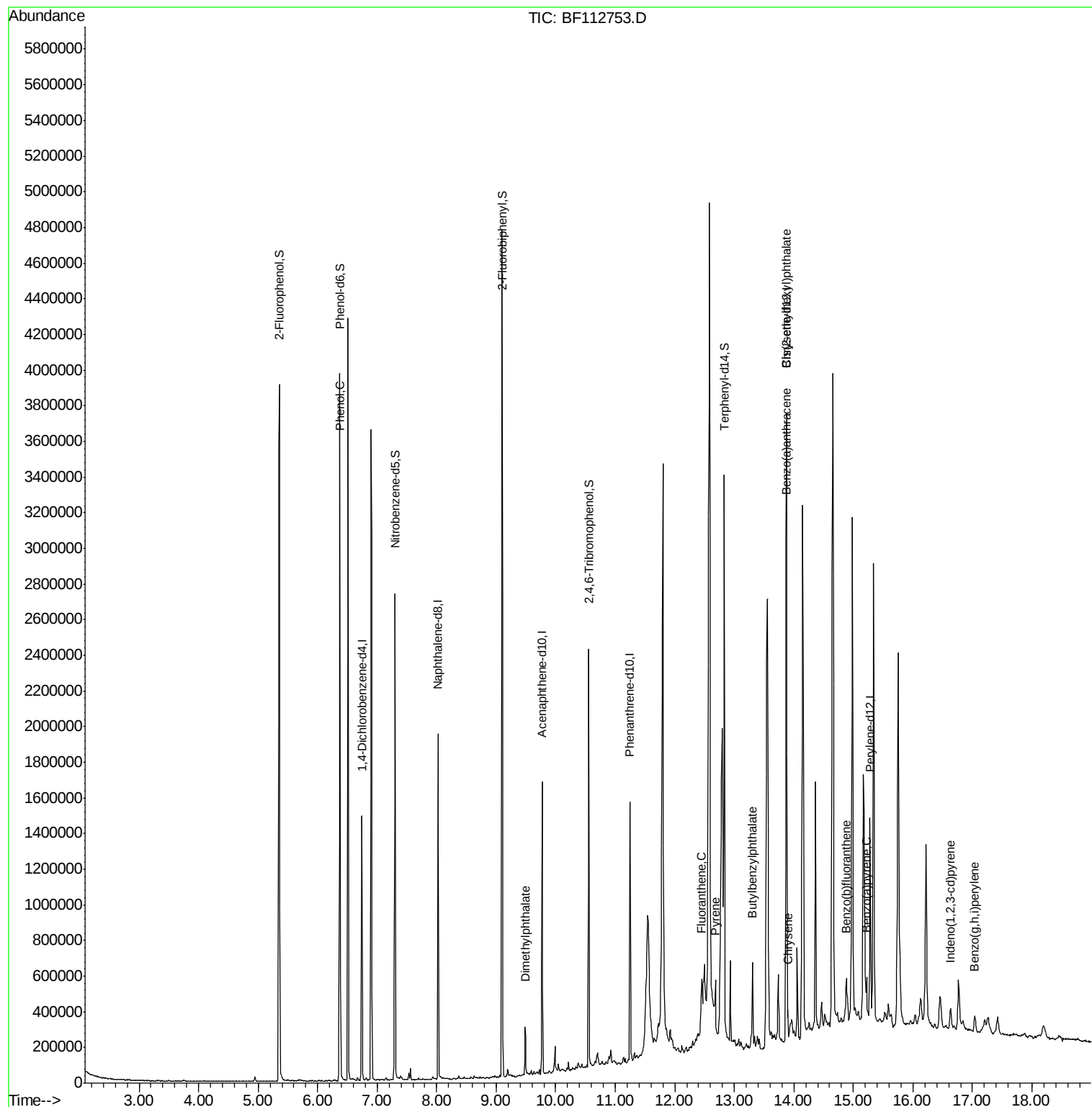
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
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Misc :
ALS Vial : 3 Sample Multiplier: 1

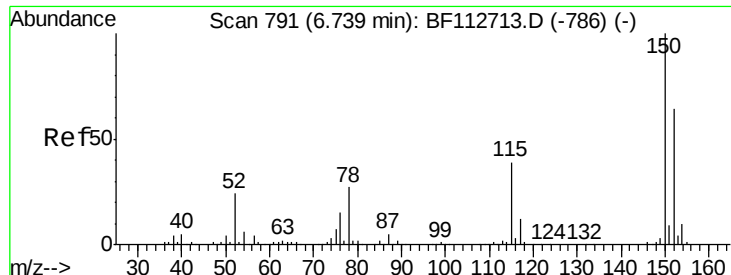
Instrument :
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L-1

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#1

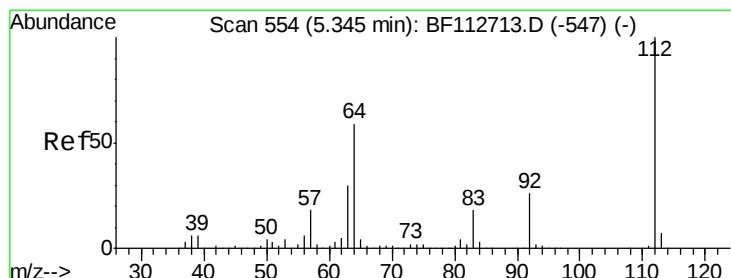
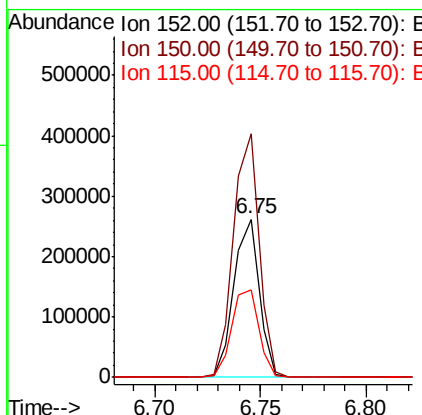
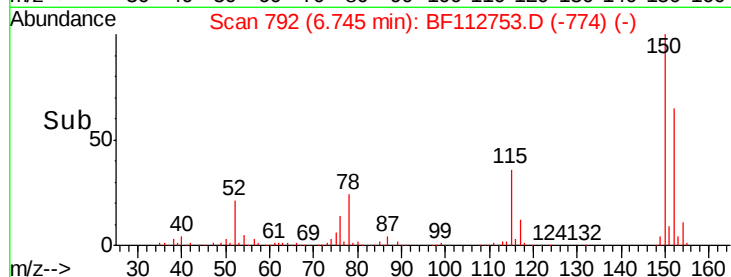
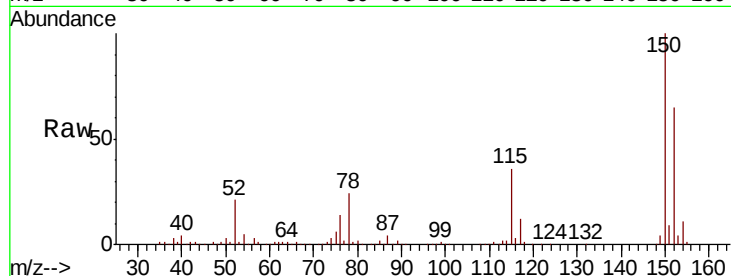
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampled :
L-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.2	186.2
115	55.7	48.2	72.4

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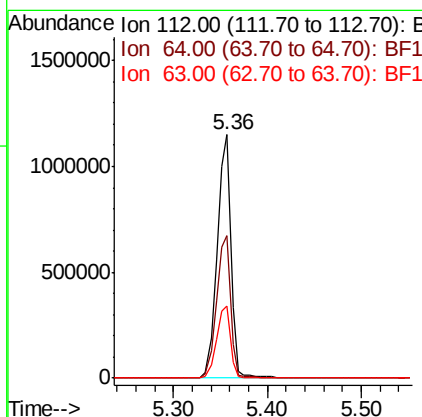
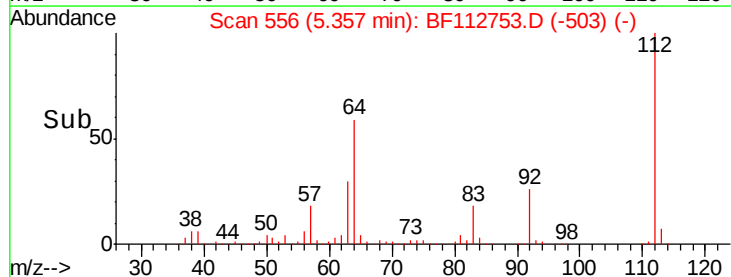
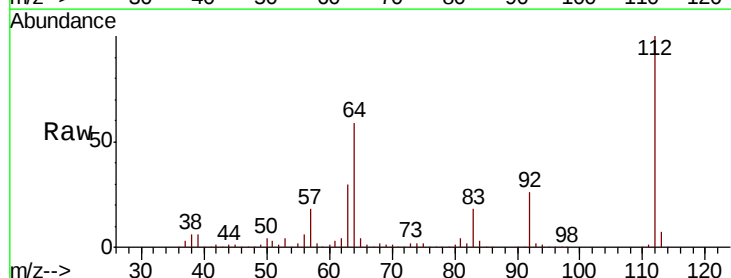
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#5

2-Fluorophenol
Concen: 85.589 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.6	71.4
63	29.8	24.4	36.6





#7

Phenol-d6

Concen: 87.353 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Instrument :

BNA_F

ClientSampled :

L-1

Tot Ion: 99 Resp: 1528267

Ion Ratio Lower Upper

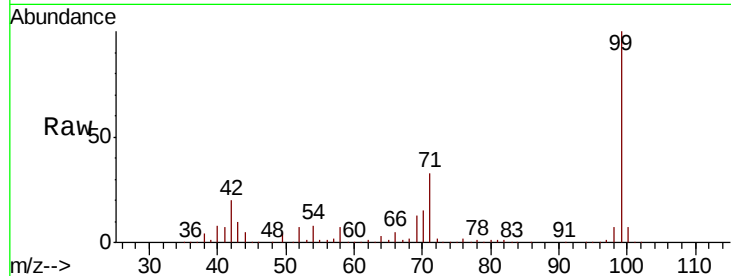
99 100

42 19.9 16.3 24.5

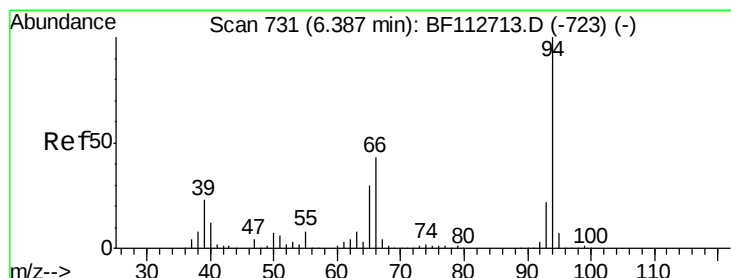
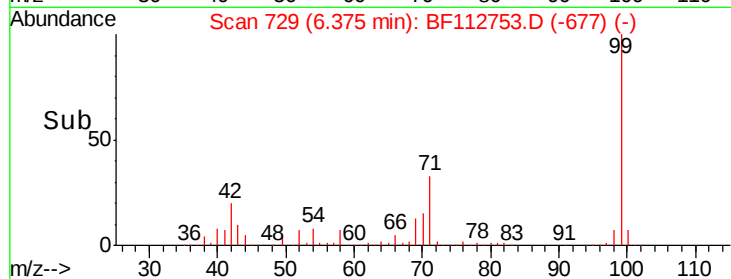
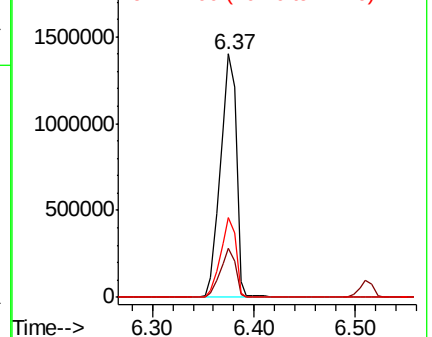
71 32.8 26.2 39.4

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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



#10

Phenol

Concen: 2.710 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

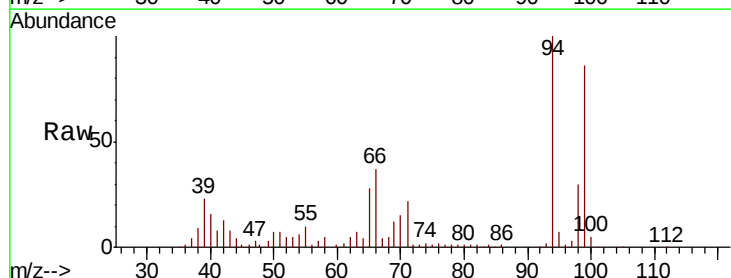
Tgt Ion: 94 Resp: 55320

Ion Ratio Lower Upper

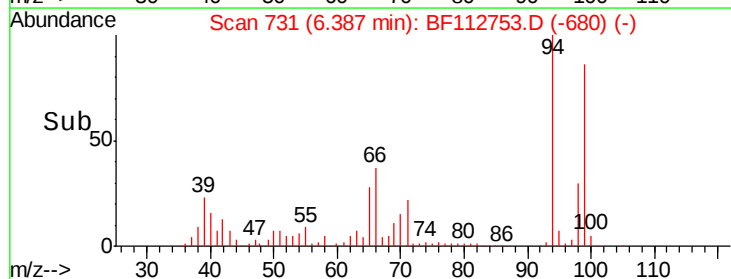
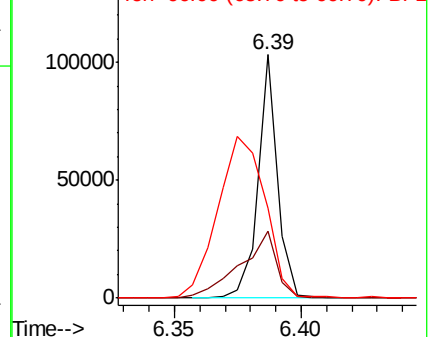
94 100

65 27.5 10.5 50.5

66 37.1 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Instrument :

BNA_F

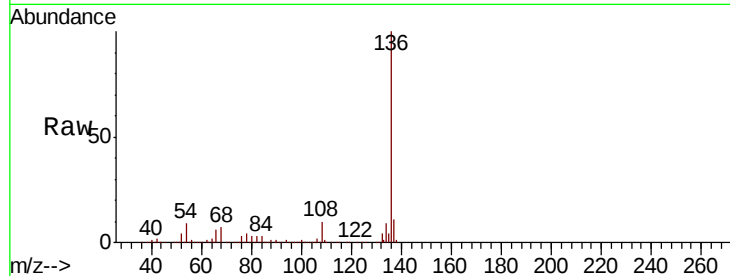
ClientSampled :

L-1

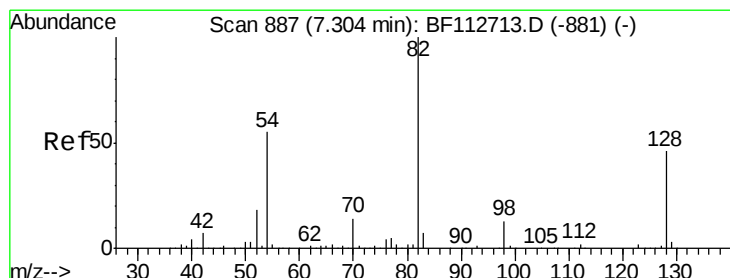
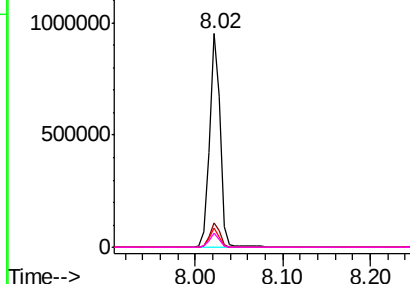
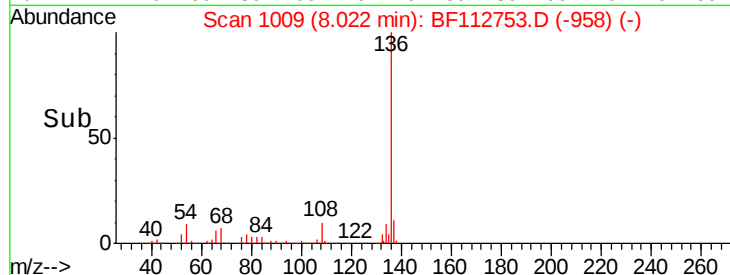
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.1	7.3	10.9
68	6.9	5.4	8.2

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Abundance Ion 136.00 (135.70 to 136.70): E
1500000
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: 68.937 ng

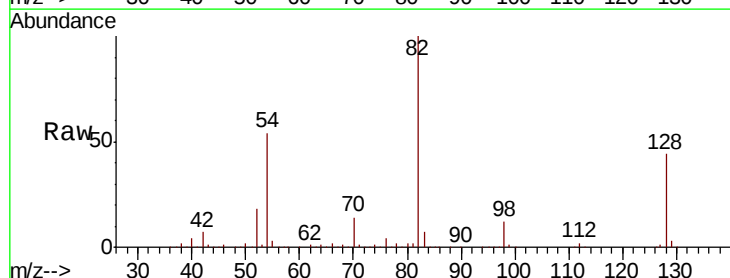
RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

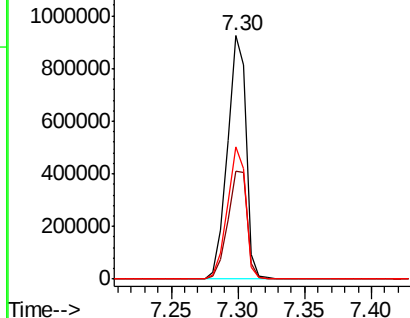
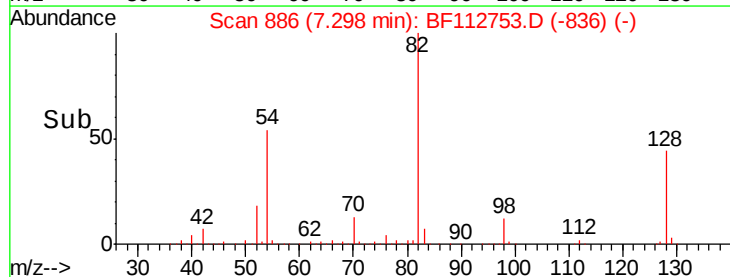
Lab File: BF112753.D

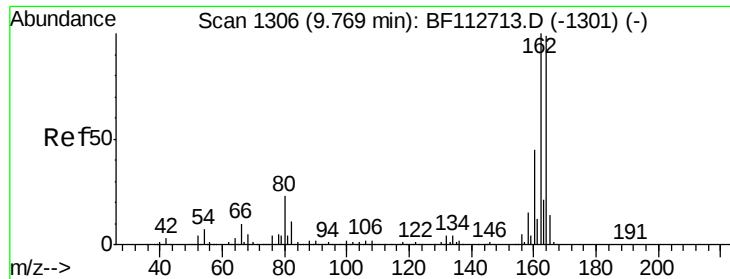
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.5	36.3	54.5
54	54.2	43.7	65.5



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





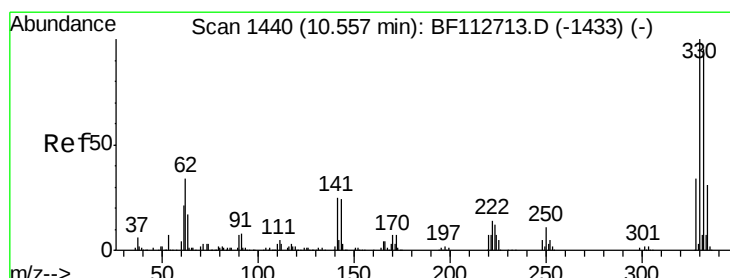
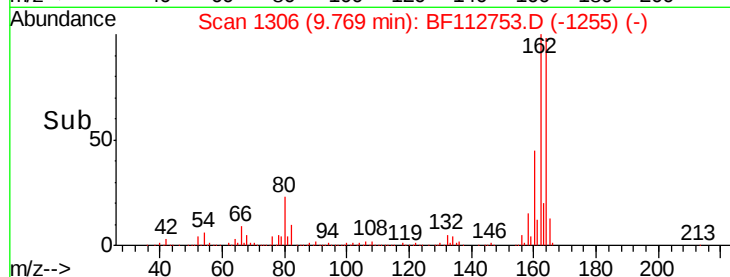
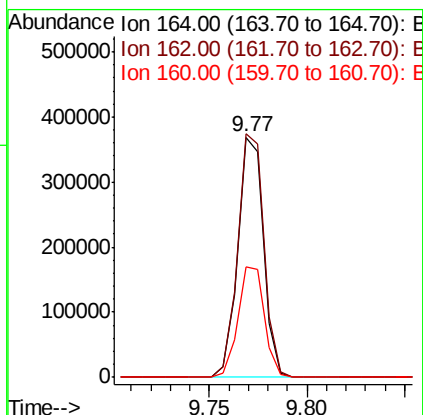
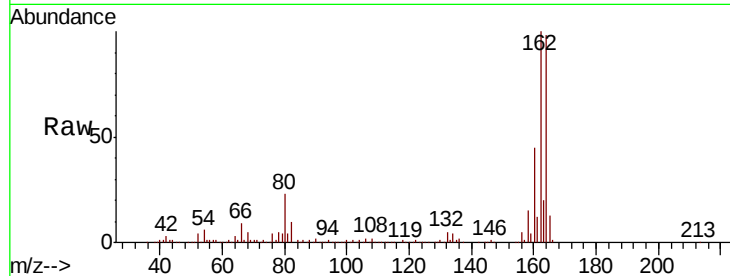
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampled :
L-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	80.6	120.8	
160	46.1	36.0	54.0	

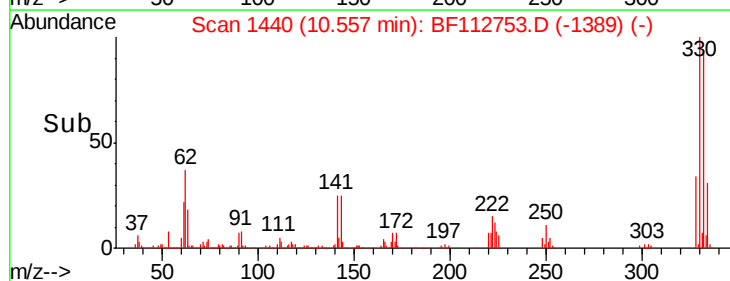
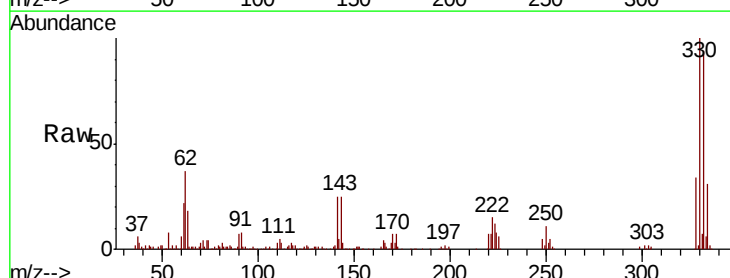
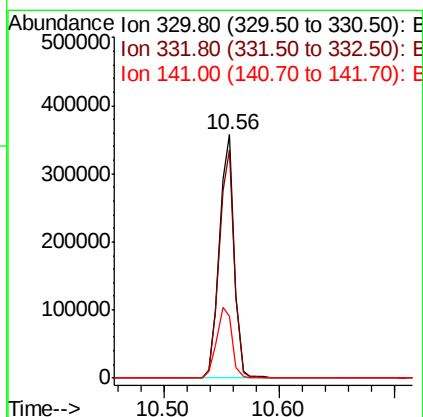
Manual Integrations
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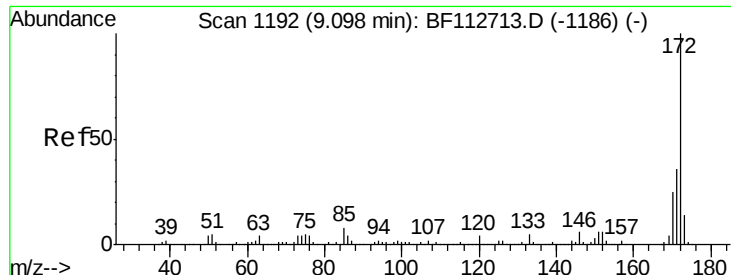
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#42
2,4,6-Tribromophenol
Concen: 89.294 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	76.2	114.4	
141	30.2	27.0	40.6	





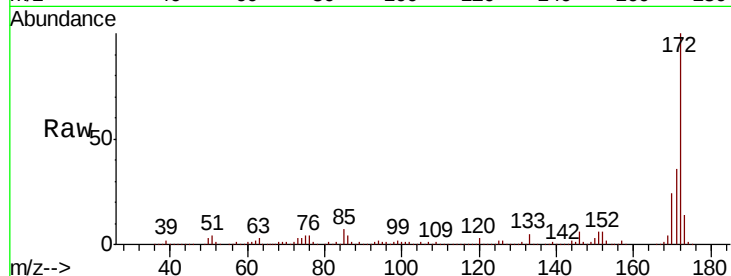
#45
2-Fluorobiphenyl
Concen: 67.932 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampleId :
L-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.1	20.0	30.0

Manual Integrations
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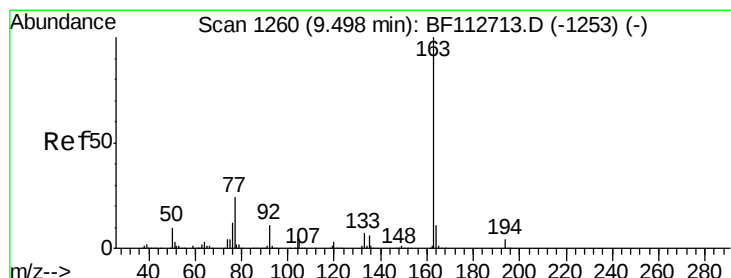
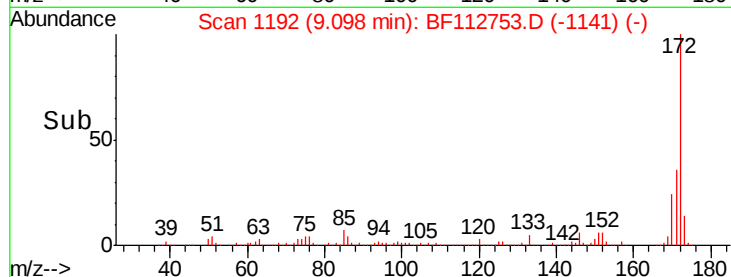
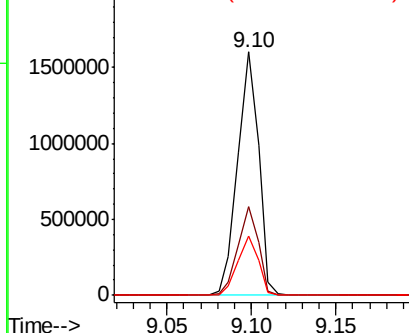


Abundance

Ion 172.00 (171.70 to 172.70): E

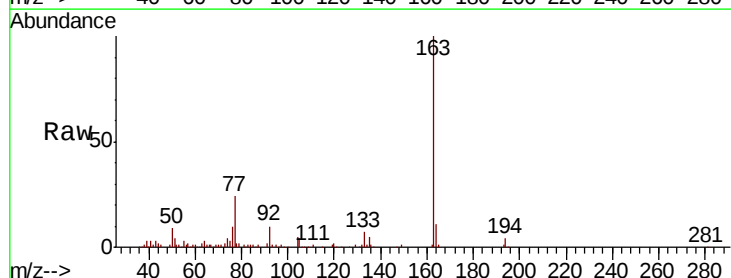
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.892 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	10.9	8.4	12.6

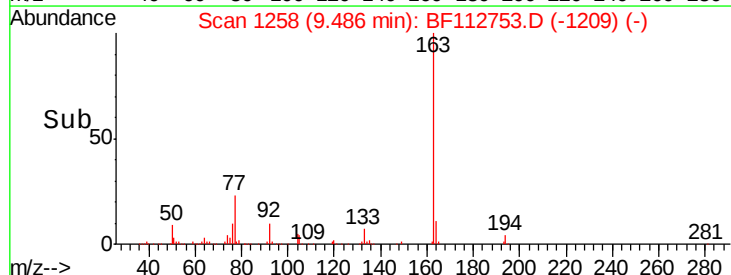
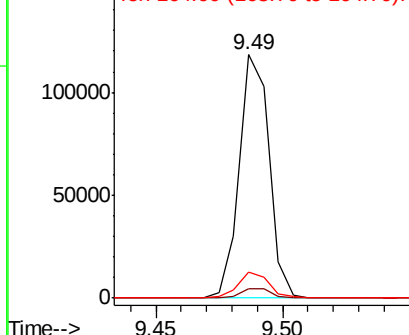


Abundance

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





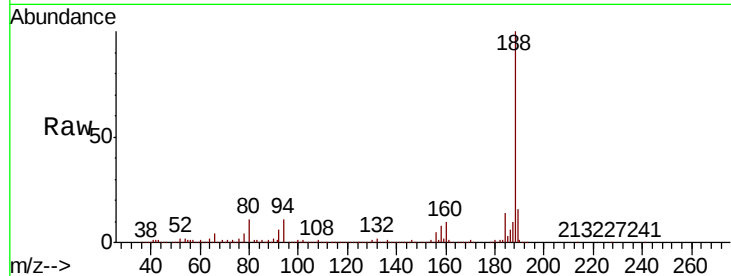
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampleId :
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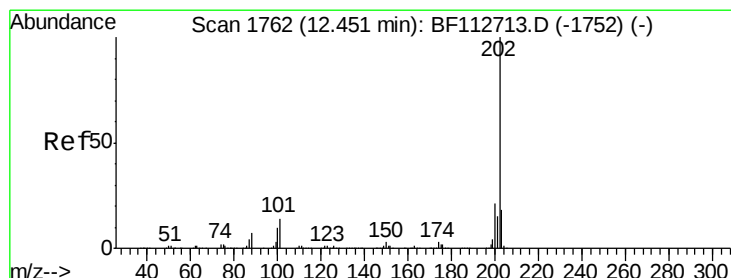
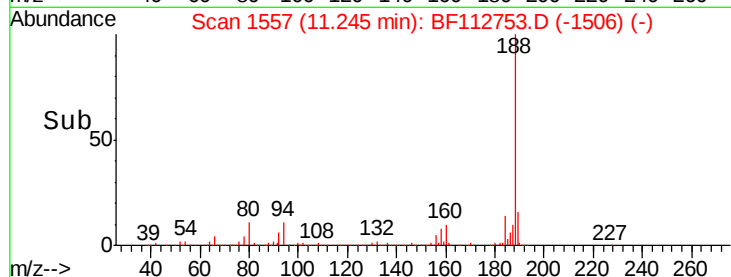
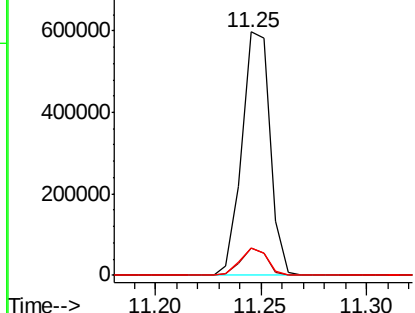
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	9.0	13.4
80	11.5	9.2	13.8

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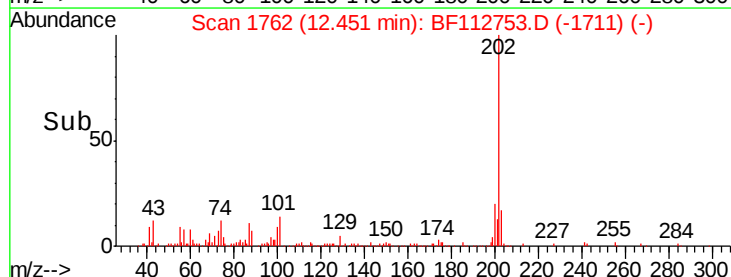
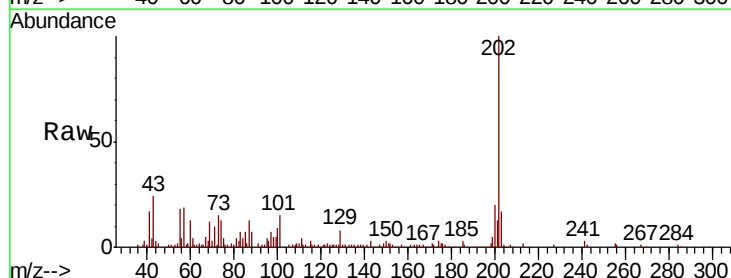
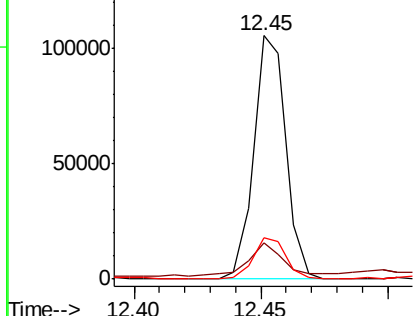
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

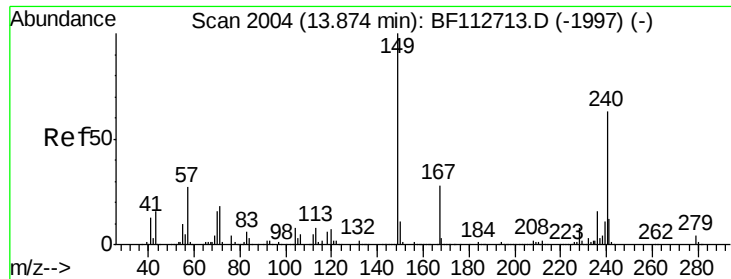


#75
Fluoranthene
Concen: 3.146 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	33.8
203	17.0	0.0	38.4

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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Instrument :

BNA_F

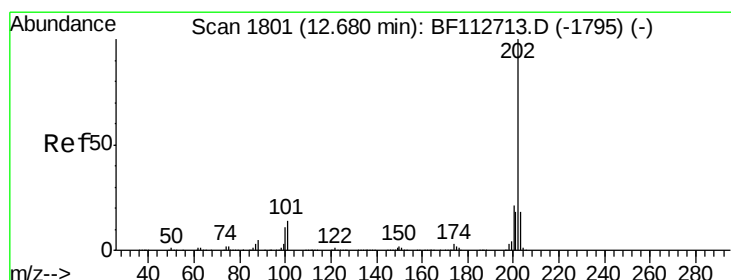
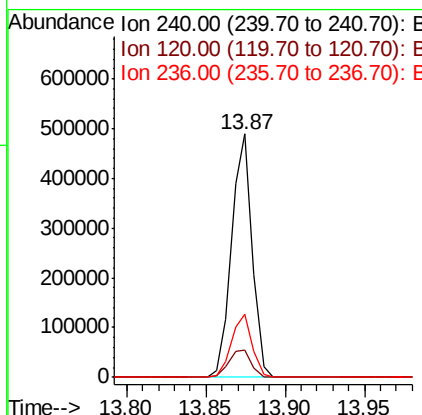
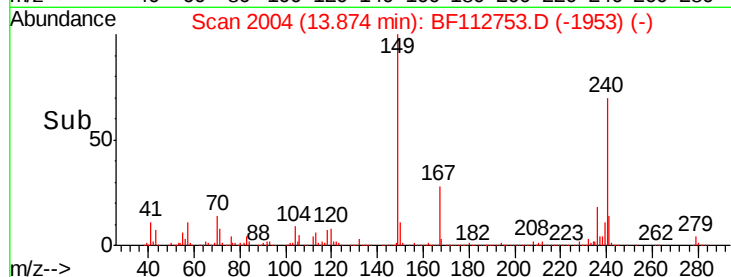
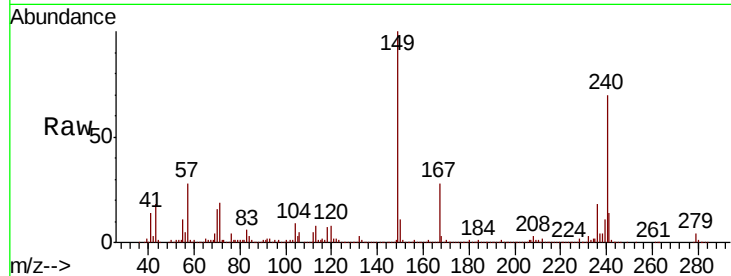
ClientSampled :

L-1

Tot Ion:	240	Resp:	437506
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.9	13.3
236	26.2	20.7	31.1

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#78

Pyrene

Concen: 2.725 ng

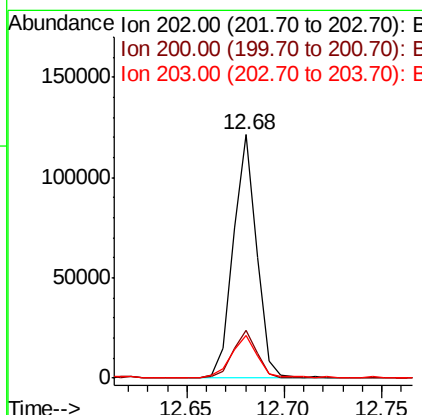
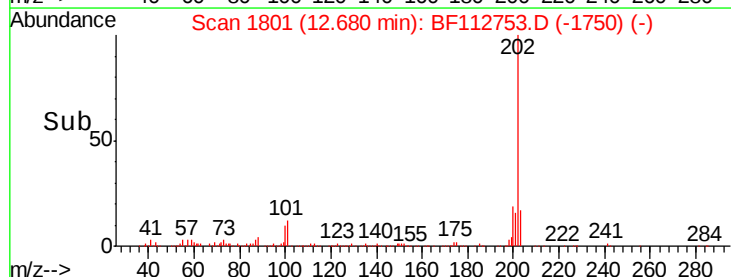
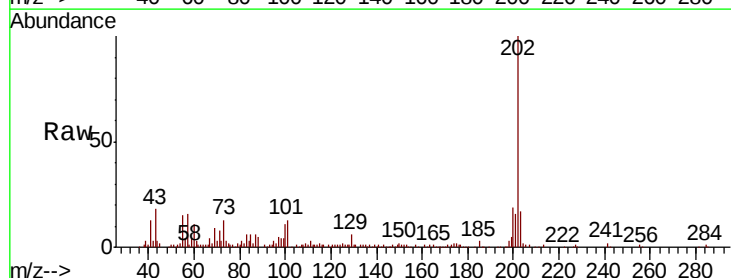
RT: 12.68 min Scan# 1801

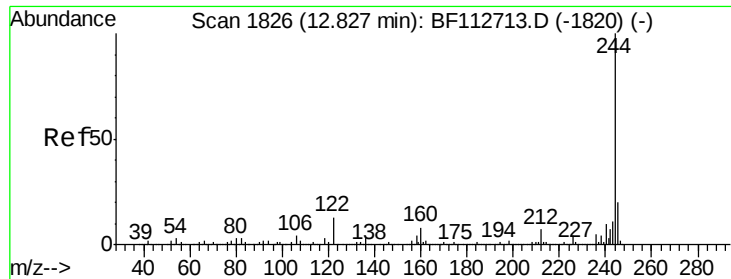
Delta R.T. 0.00 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Tgt Ion:	202	Resp:	100507
Ion Ratio	Lower	Upper	
202	100		
200	19.4	17.0	25.4
203	17.5	14.4	21.6





#79

Terphenyl-d14

Concen: 46.892 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Instrument :

BNA_F

ClientSampled :

L-1

Tot Ion:244 Resp: 1058324

Ion Ratio Lower Upper

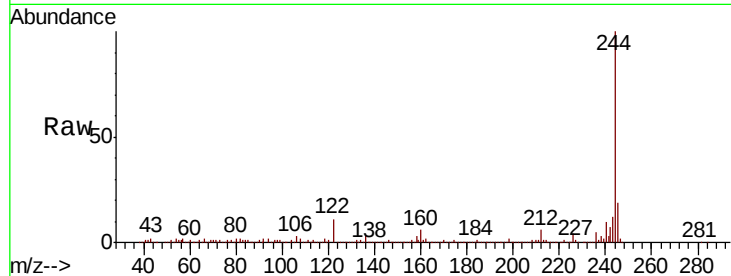
244 100

212 6.4 5.6 8.4

122 11.0 10.5 15.7

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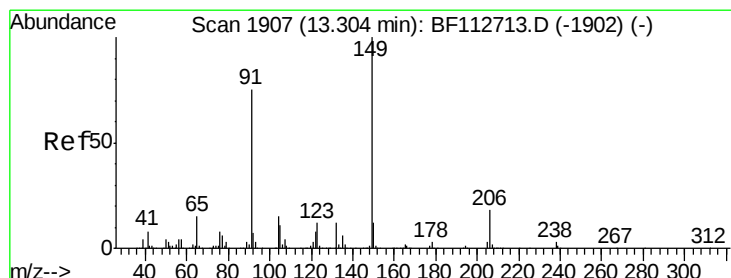
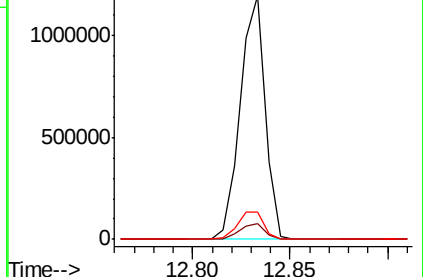
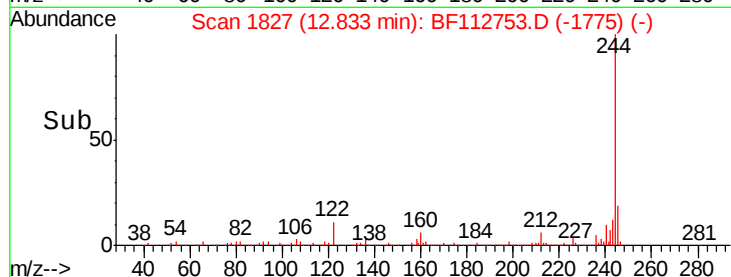
Sohil
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 5.847 ng

RT: 13.30 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

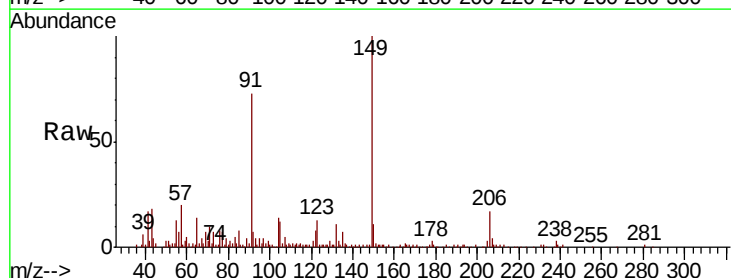
Tgt Ion:149 Resp: 95196

Ion Ratio Lower Upper

149 100

91 73.5 59.9 89.9

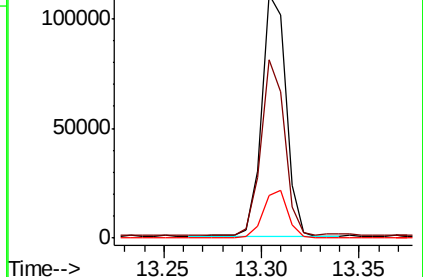
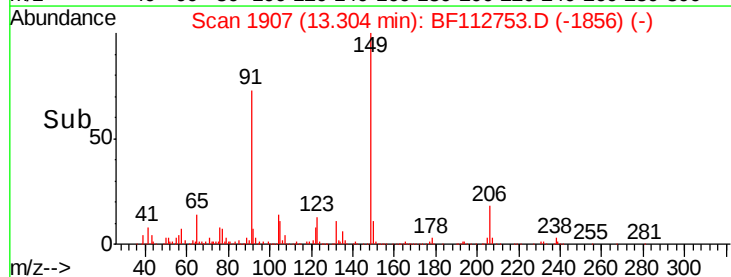
206 17.4 14.7 22.1

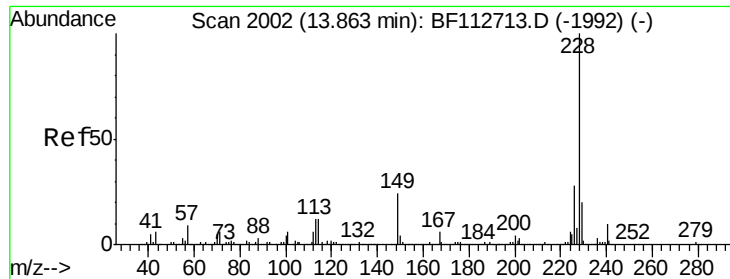


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





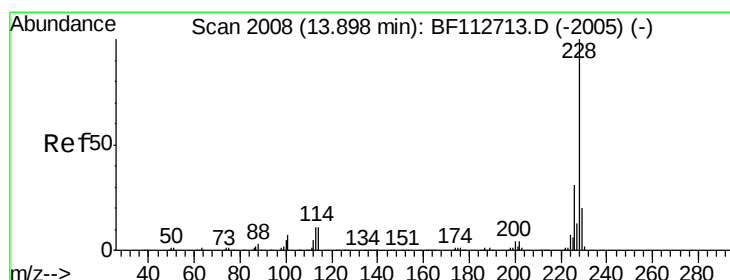
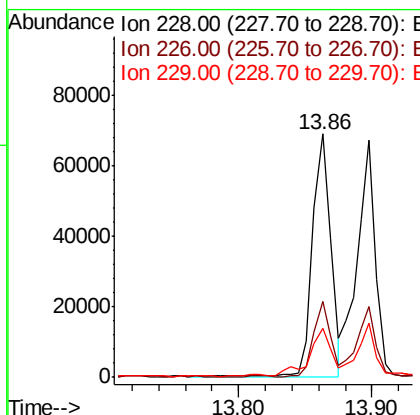
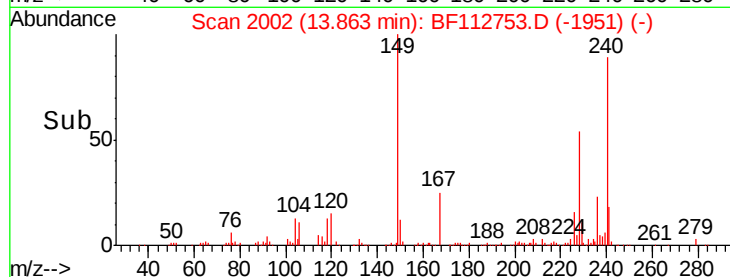
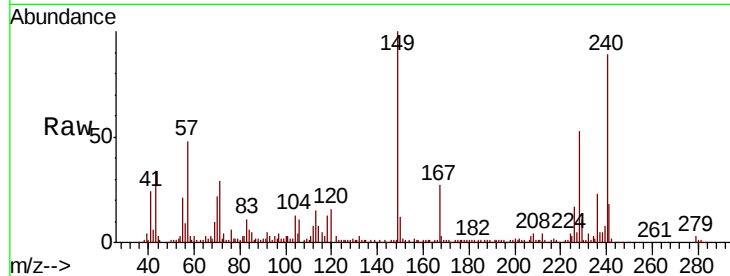
#81
Benzo(a)anthracene
Concen: 2.158 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampleId :
L-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.2	33.4
229	20.2	16.0	24.0

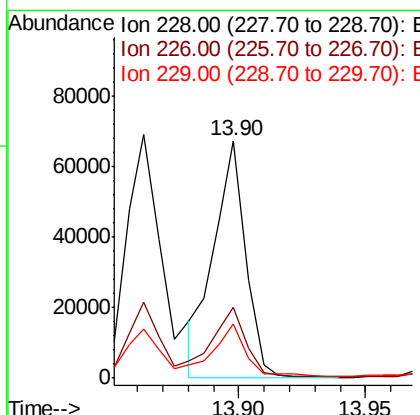
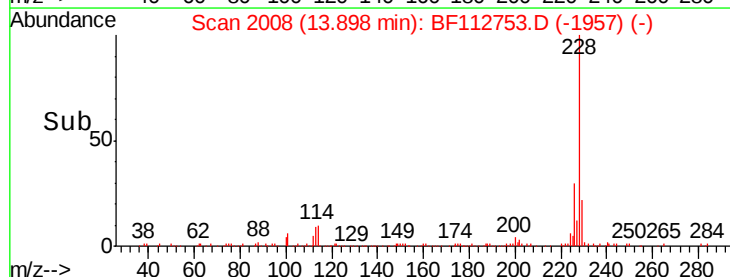
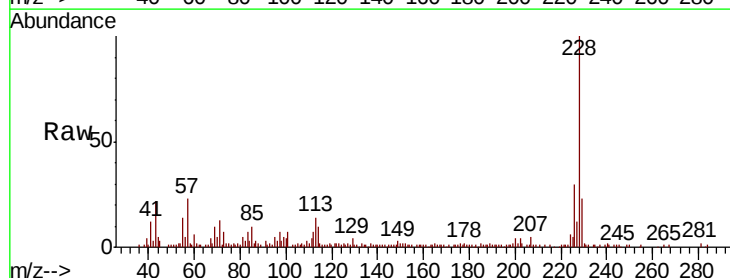
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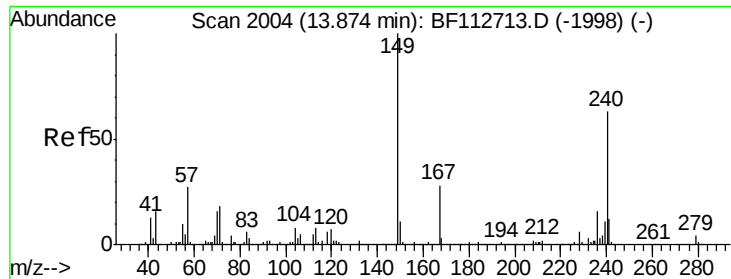
Sohil
3/1/2019 2:59:43 PM



#83
Chrysene
Concen: 2.009 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	22.6	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 32.248 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Instrument :

BNA_F

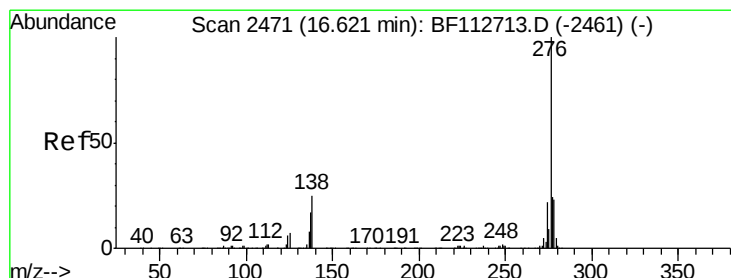
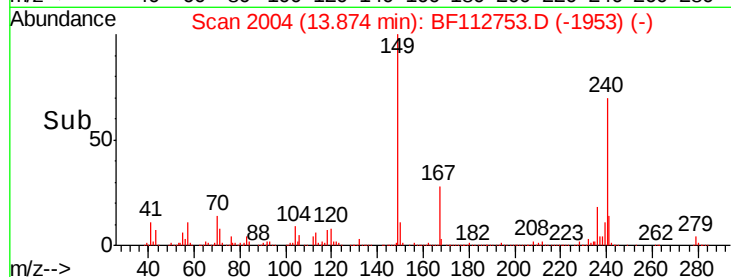
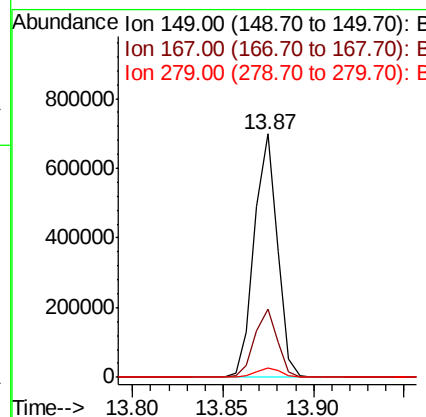
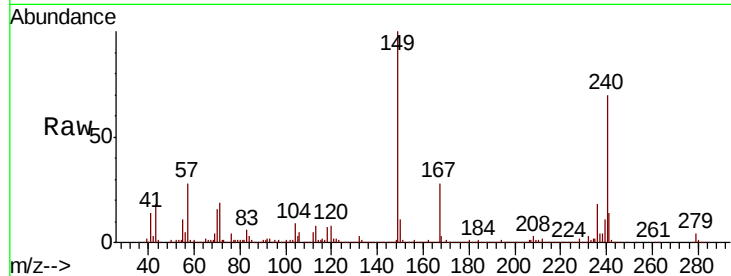
ClientSampleId :

L-1

Tot Ion:	149	Resp:	615808
Ion Ratio		Lower	Upper
149	100		
167	28.0	22.4	33.6
279	3.7	3.3	4.9

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.745 ng

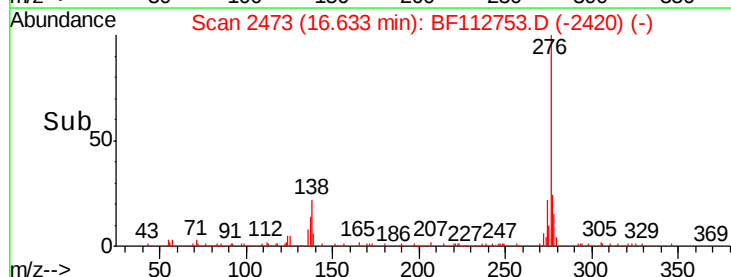
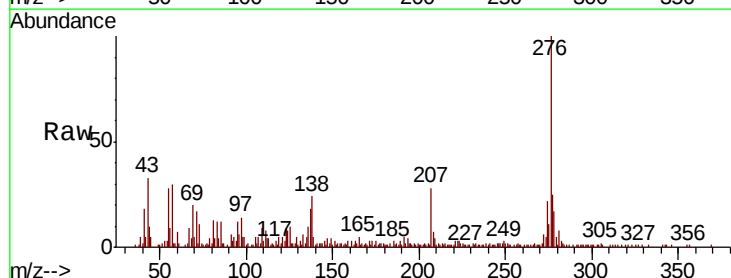
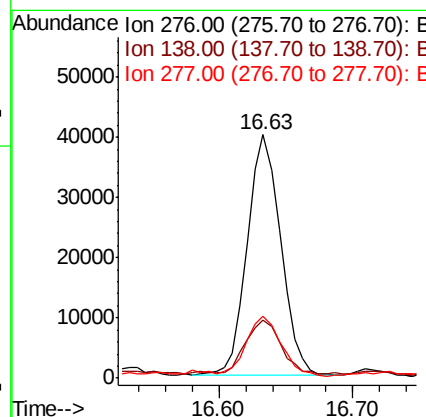
RT: 16.63 min Scan# 2473

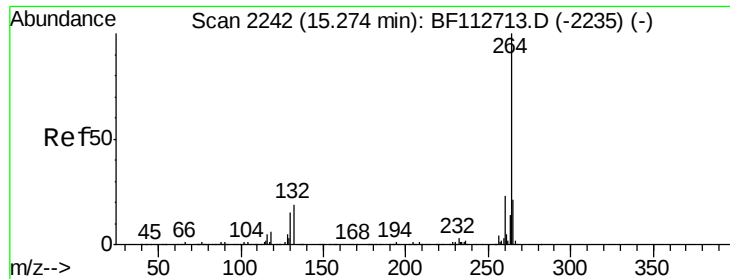
Delta R.T. 0.01 min

Lab File: BF112753.D

Acq: 28 Feb 2019 11:05

Tgt Ion:	276	Resp:	69514
Ion Ratio		Lower	Upper
276	100		
138	22.8	23.2	34.8#
277	25.8	19.9	29.9





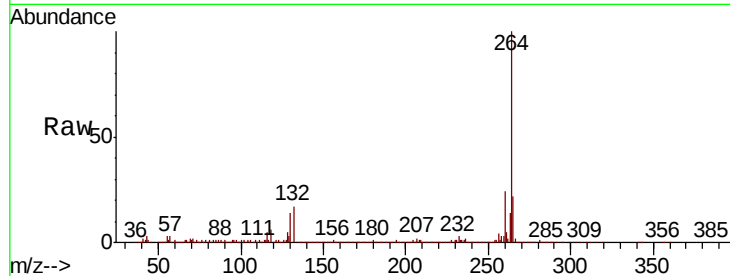
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampled :
L-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.6	17.2	25.8

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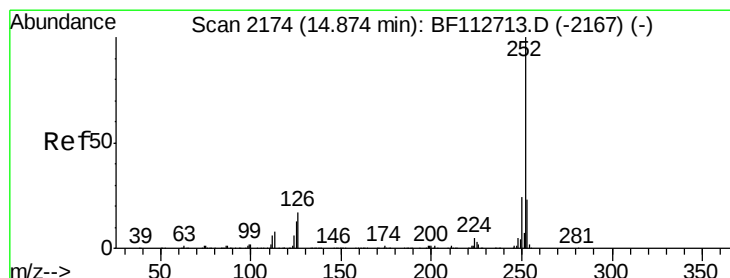
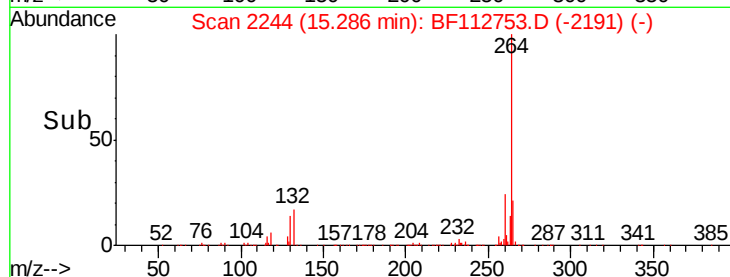
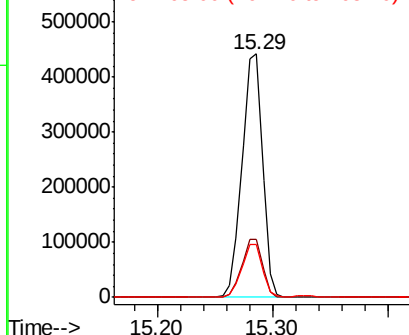


Abundance

Ion 264.00 (263.70 to 264.70): E

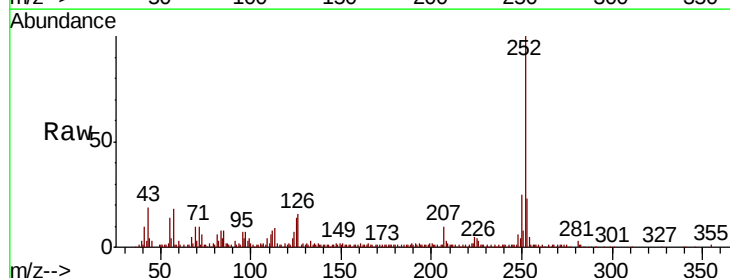
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.437 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.8	10.2	15.2

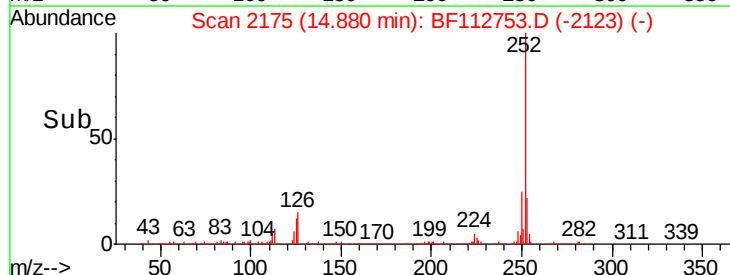
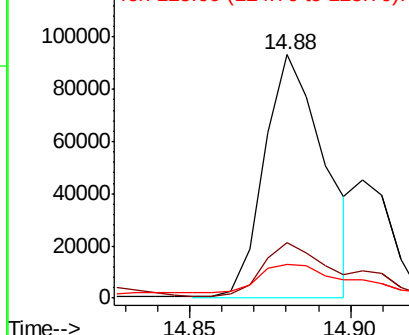


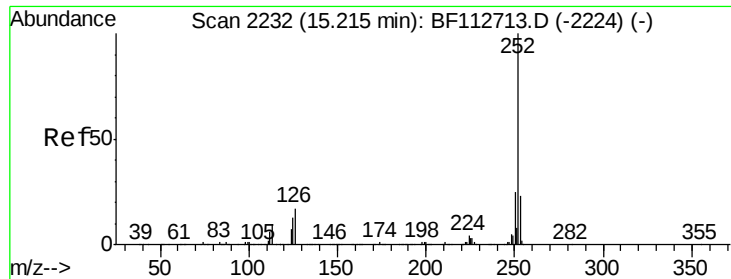
Abundance

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





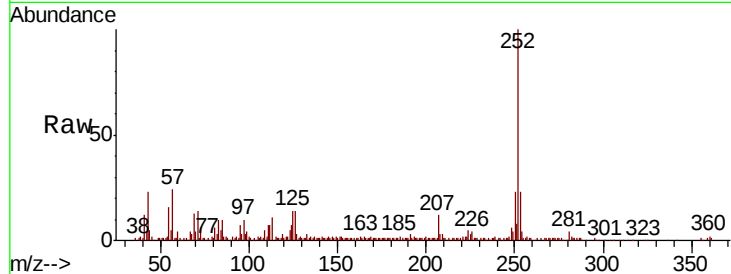
#90
Benzo(a)pyrene
Concen: 2.787 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Instrument :
BNA_F
ClientSampled :
L-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.5	10.7	16.1

Manual Integrations
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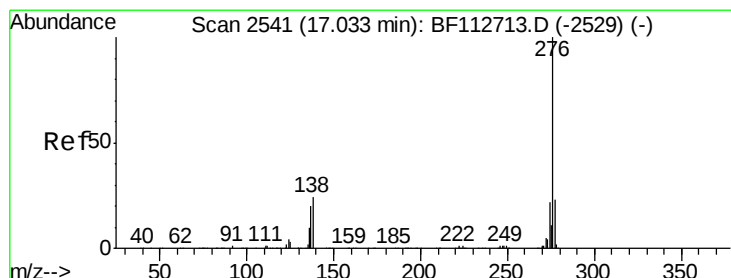
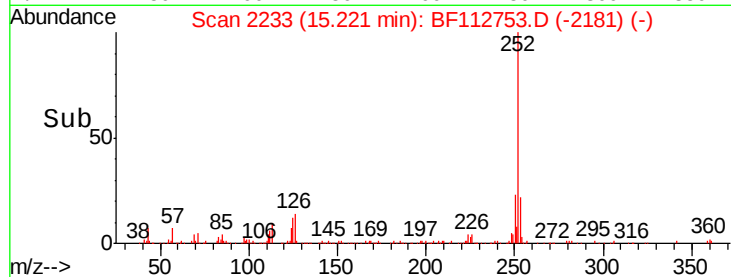
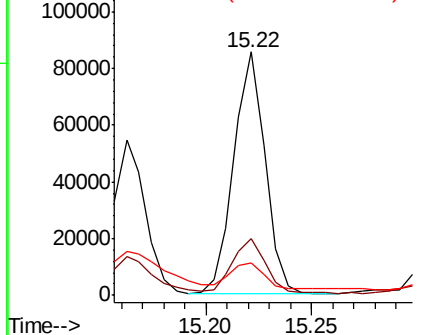


Abundance

Ion 252.00 (251.70 to 252.70): E

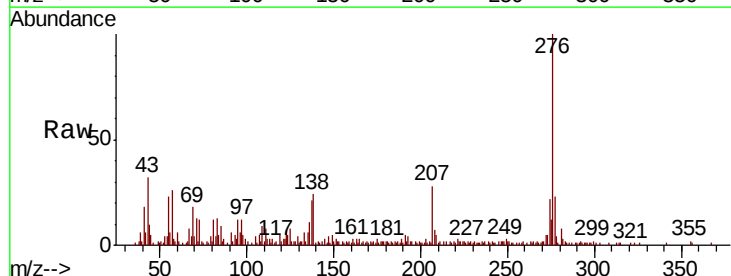
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.704 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF112753.D
Acq: 28 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	23.8	19.4	29.0



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

