

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112757.D
 Acq On : 28 Feb 2019 12:54
 Operator : JU/SJ
 Sample : K1596-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Manual Integrations
 APPROVED

Sohil
 3/1/2019 2:59:52 PM

Quant Time: Mar 01 05:52:08 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	171687	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	585602	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243309	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	499653	20.00	ng	0.00
76) Chrysene-d12	13.87	240	491393	20.00	ng	0.00
87) Perylene-d12	15.29	264	358068	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1039811	94.21	ng	0.00
7) Phenol-d6	6.37	99	1261916	91.02	ng	0.00
23) Nitrobenzene-d5	7.30	82	750218	76.66	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	300220	116.23	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1043289	71.49	ng	0.00
79) Terphenyl-d14	12.83	244	1175121	46.36	ng	0.00
Target Compounds						
10) Phenol	6.39	94	42446	2.624	ng	86
50) Dimethylphthalate	9.49	163	93758	5.226	ng	100
71) Phenanthrene	11.27	178	166716	6.706	ng	97
72) Anthracene	11.32	178	55642	2.138	ng	99
75) Fluoranthene	12.46	202	347221	13.037	ng	96
78) Pyrene	12.68	202	323424	7.807	ng	99
81) Benzo(a)anthracene	13.86	228	180677	5.305	ng	93
83) Chrysene	13.90	228	174660m	5.236	ng	
86) Indeno(1,2,3-cd)pyrene	16.66	276	90678	3.188	ng	# 93
88) Benzo(b)fluoranthene	14.89	252	240844m	10.399	ng	
89) Benzo(k)fluoranthene	14.92	252	48768m	2.325	ng	
90) Benzo(a)pyrene	15.23	252	141632	6.914	ng	# 92
92) Benzo(a,h,i)perylene	17.06	276	86417	4.923	ng	94

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

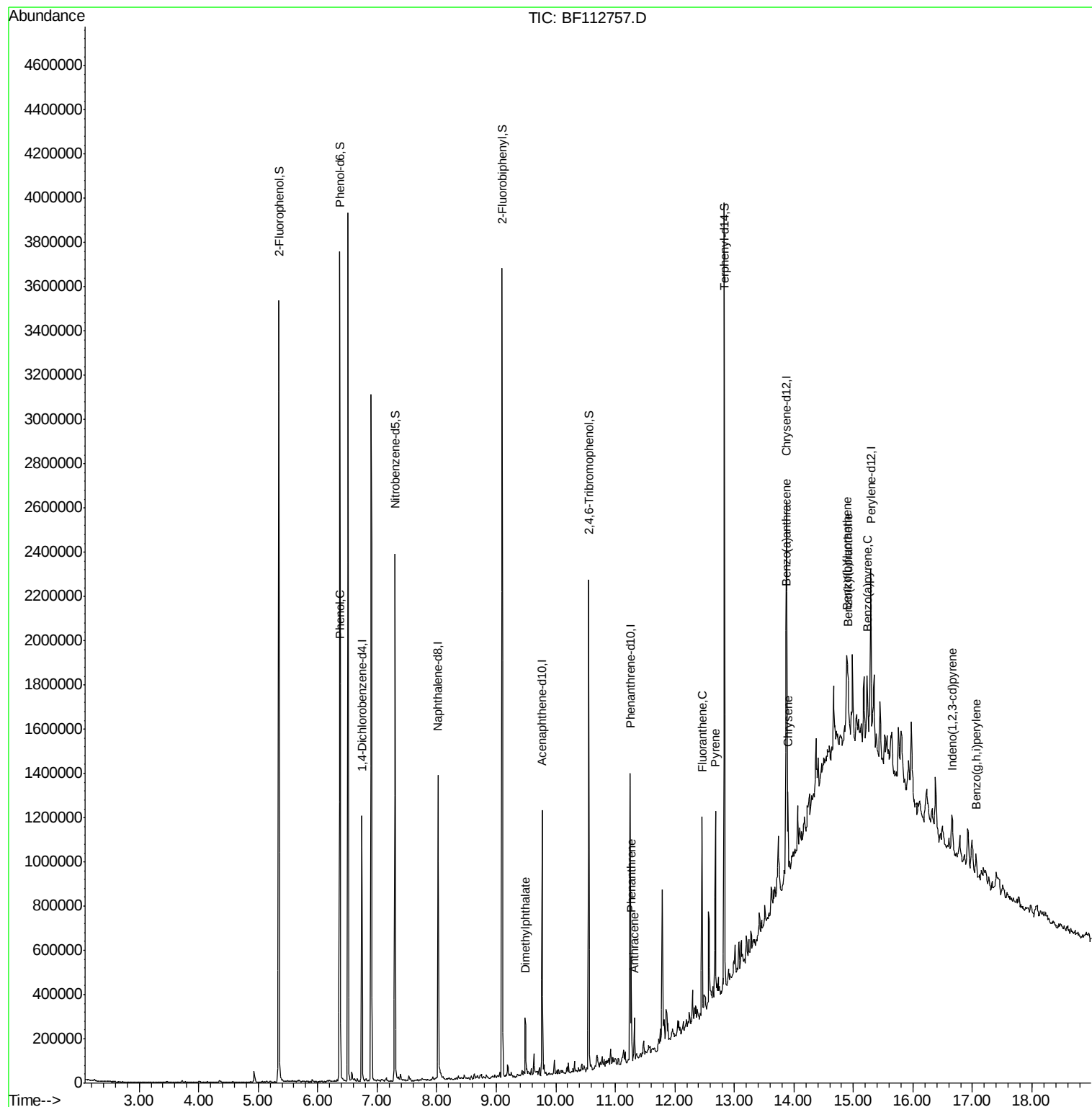
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112757.D
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ALS Vial : 7 Sample Multiplier: 1

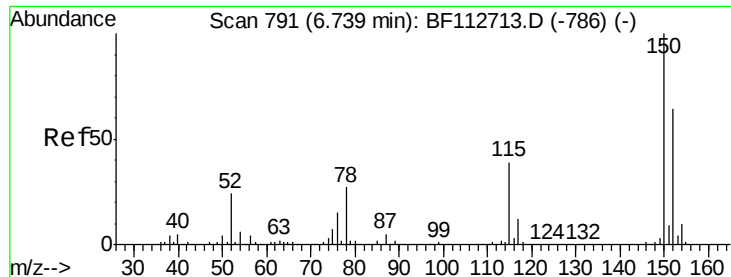
Instrument :
BNA_F
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COMP-14

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

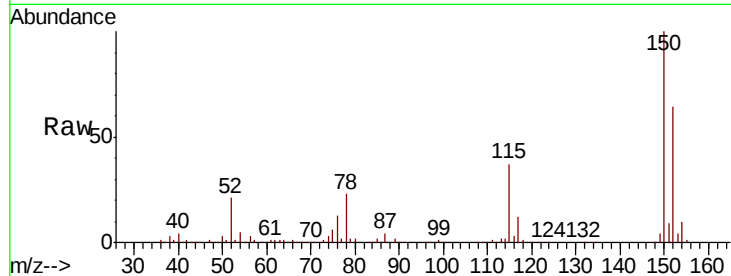
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Instrument :
BNA_F
ClientSampled :
COMP-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.2	186.2
115	58.0	48.2	72.4

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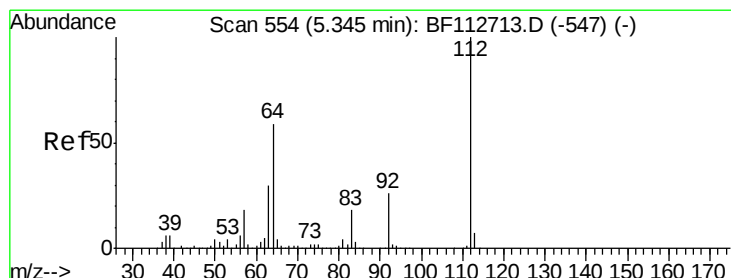
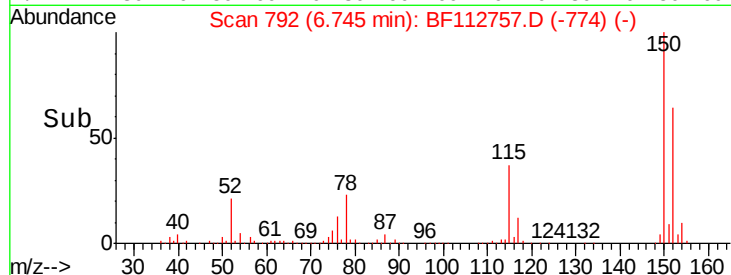
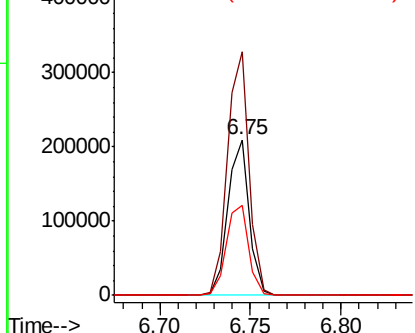


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

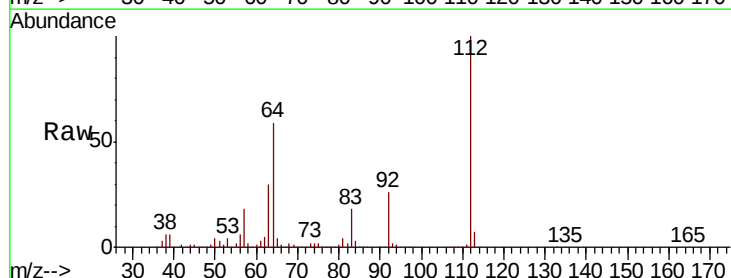
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.211 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.6	71.4
63	30.4	24.4	36.6

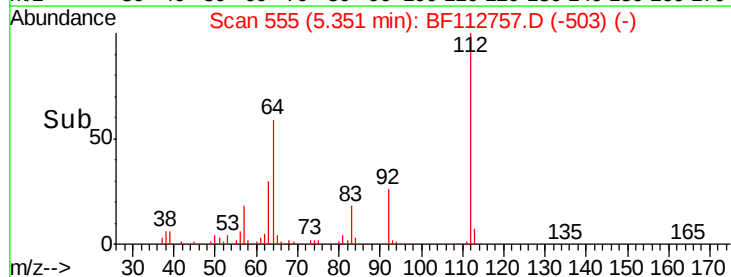
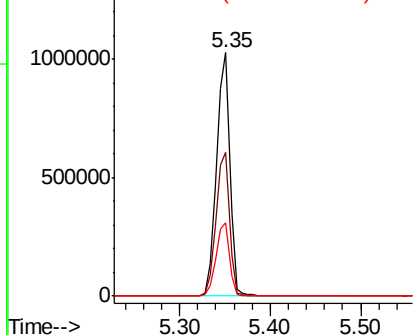


Abundance

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: 91.018 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

ClientSampleId :

COMP-14

Tot Ion: 99 Resp: 1261916

Ion Ratio Lower Upper

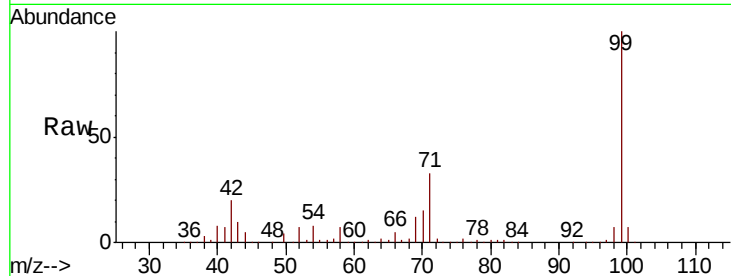
99 100

42 19.6 16.3 24.5

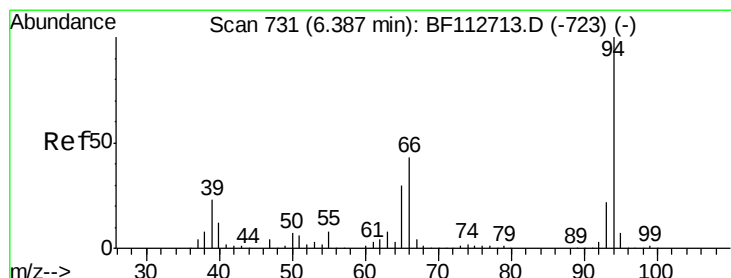
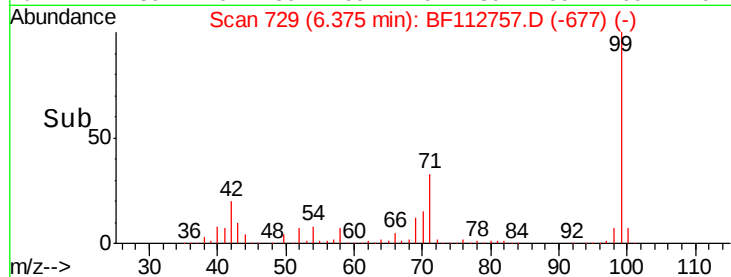
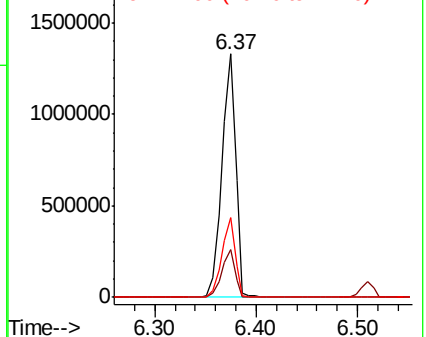
71 32.9 26.2 39.4

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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: 2.624 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

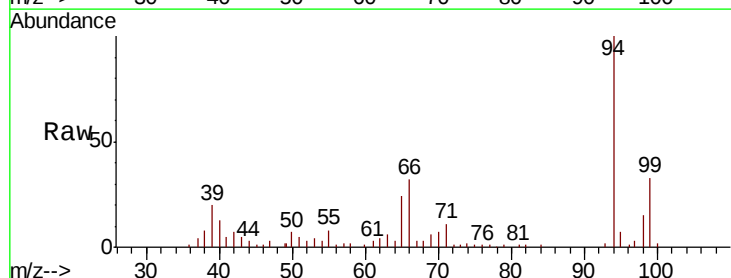
Tgt Ion: 94 Resp: 42446

Ion Ratio Lower Upper

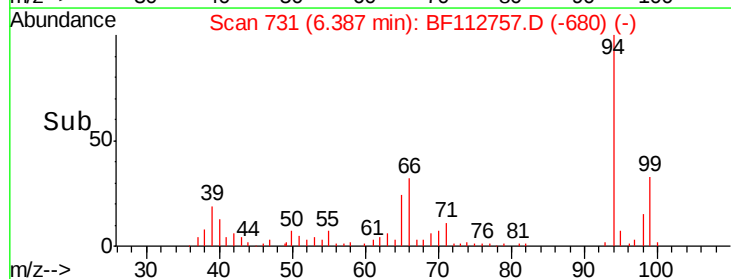
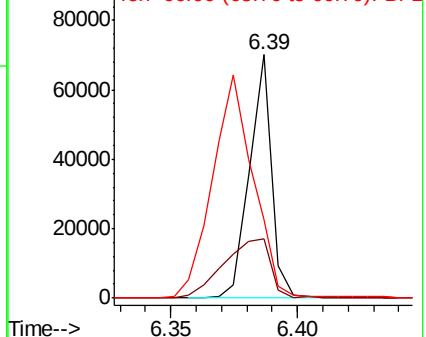
94 100

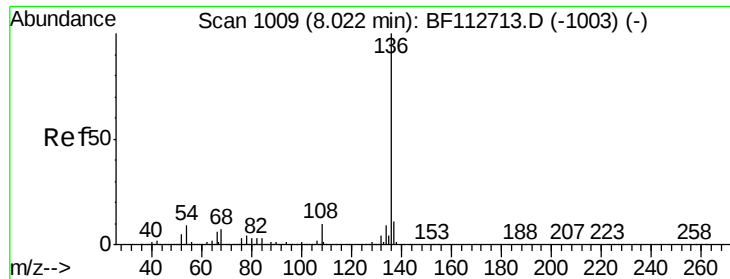
65 24.2 10.5 50.5

66 32.1 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





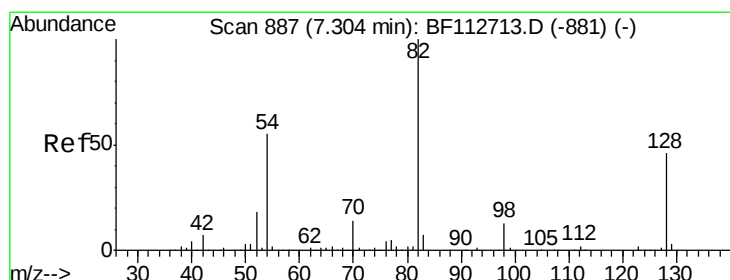
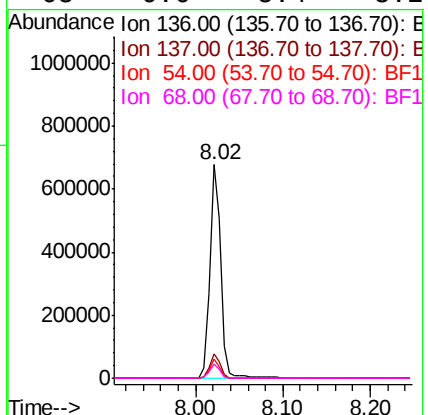
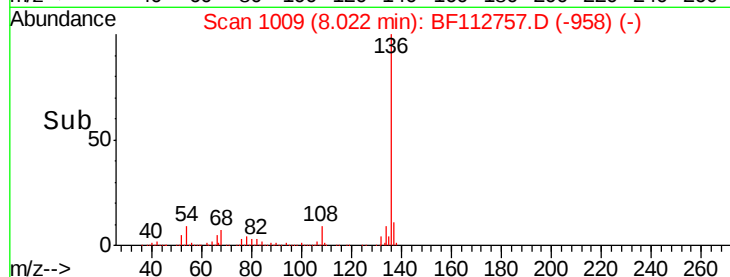
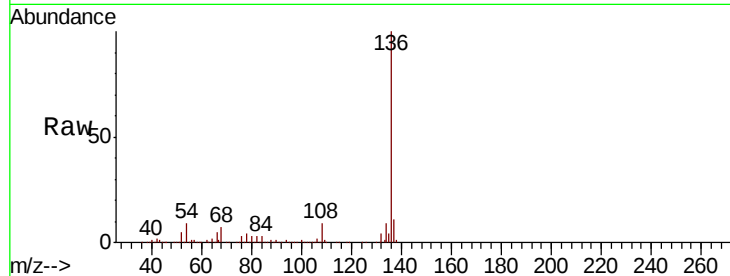
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Instrument :
BNA_F
ClientSampled :
COMP-14

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.3	10.9
68	6.6	5.4	8.2

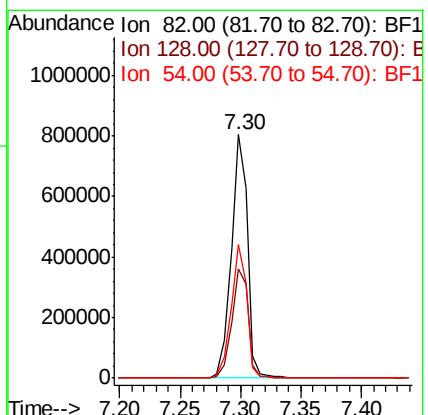
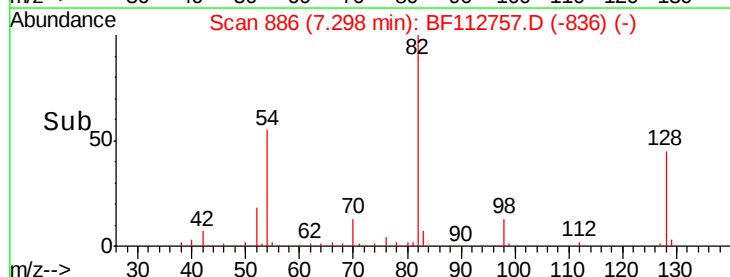
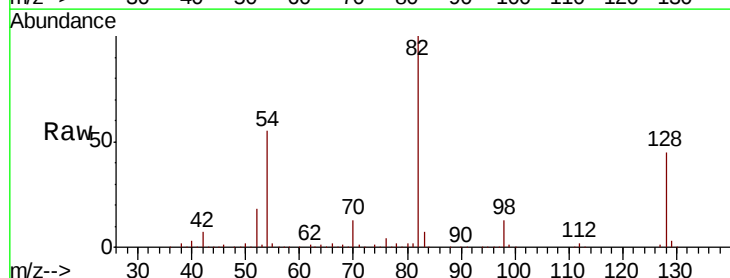
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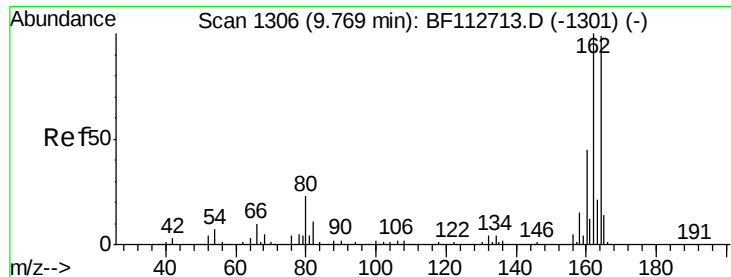
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#23
Nitrobenzene-d5
Concen: 76.659 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.8	36.3	54.5
54	55.1	43.7	65.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

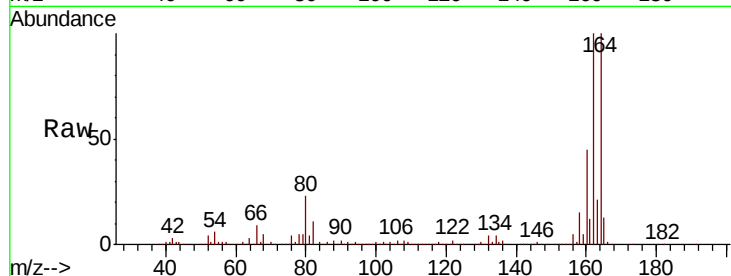
ClientSampleId :

COMP-14

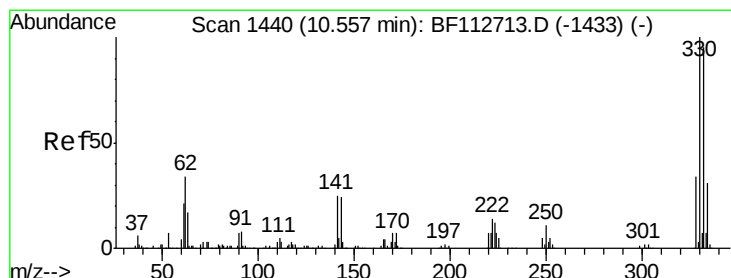
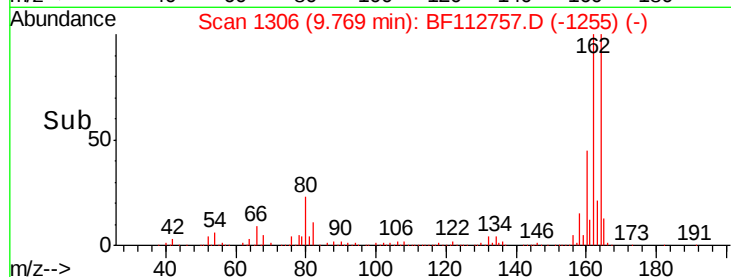
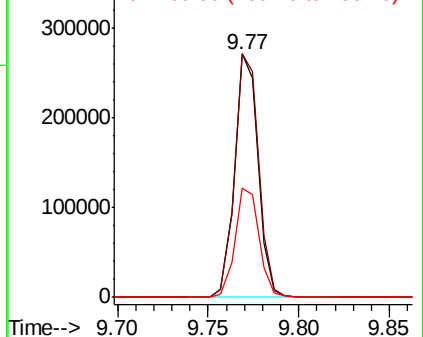
Tot Ion:	164	Resp:	243309
Ion Ratio	Lower	Upper	
164	100		
162	100.2	80.6	120.8
160	45.1	36.0	54.0

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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: 116.228 ng

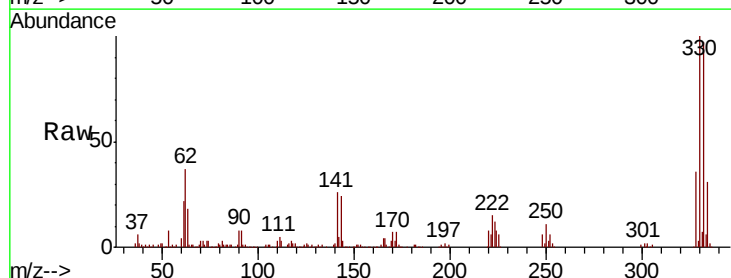
RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

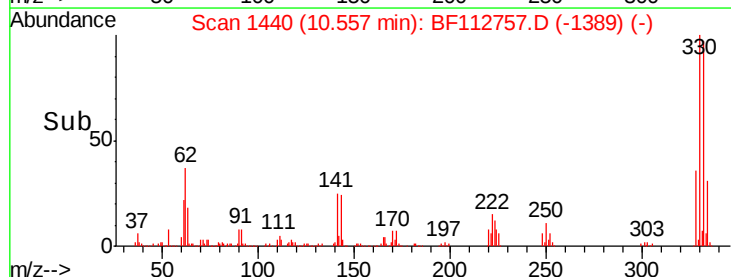
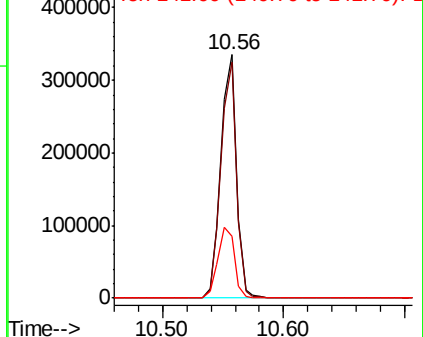
Lab File: BF112757.D

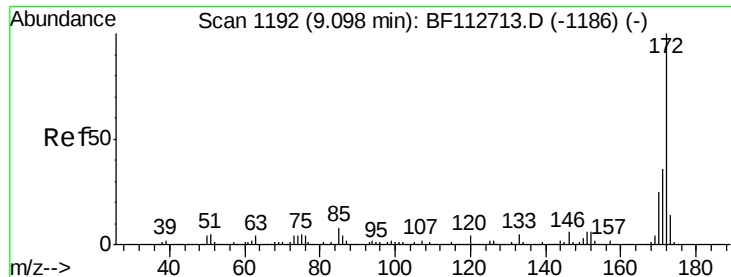
Acq: 28 Feb 2019 12:54

Tgt Ion:	330	Resp:	300220
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.2	114.4
141	30.6	27.0	40.6



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





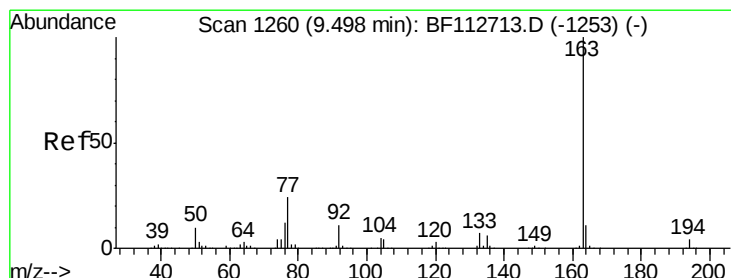
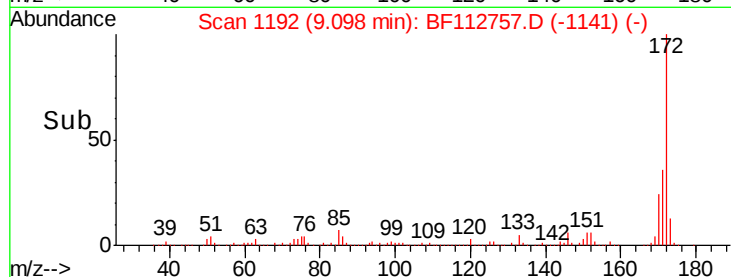
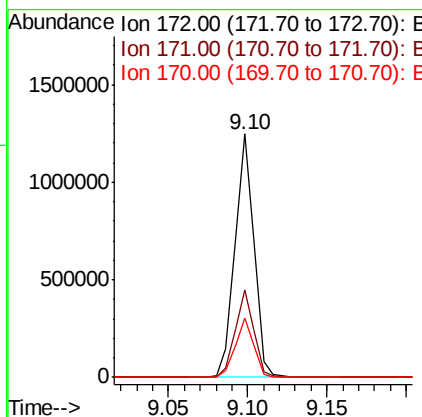
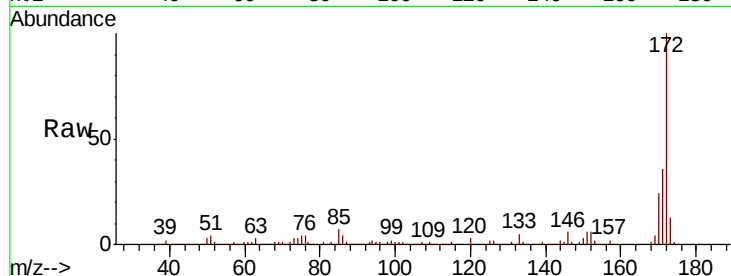
#45
2-Fluorobiphenyl
Concen: 71.491 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	35.8	29.0	43.4	
170	24.2	20.0	30.0	

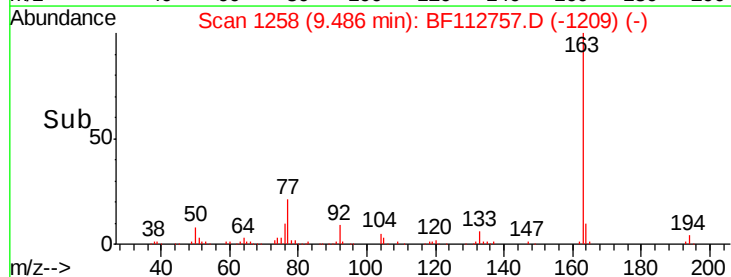
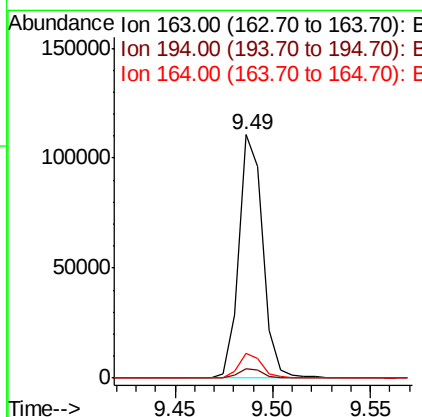
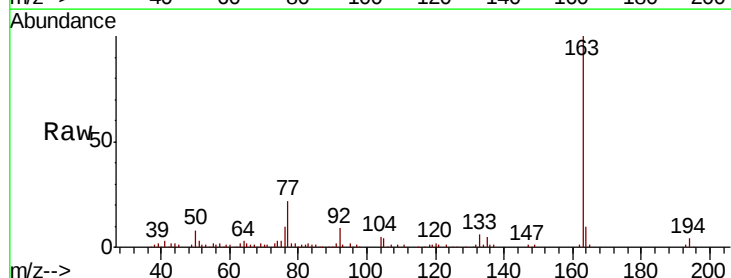
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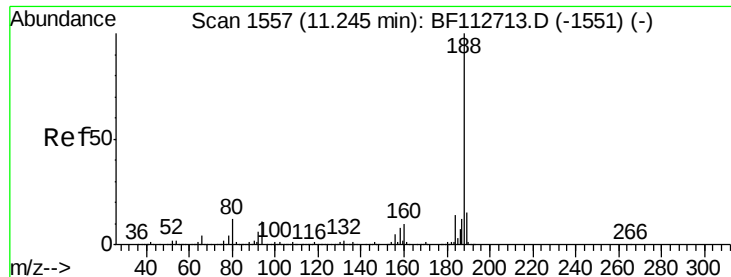
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#50
Dimethylphthalate
Concen: 5.226 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.7	3.0	4.4	
164	10.3	8.4	12.6	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

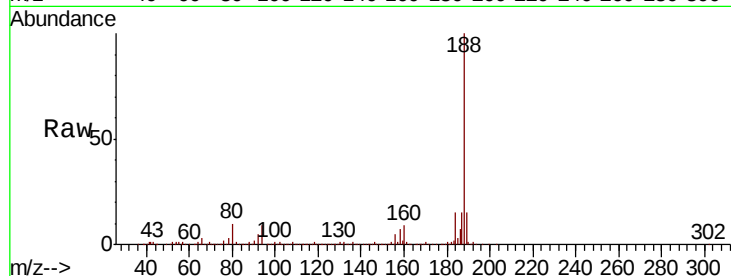
ClientSampleId :

COMP-14

Tot Ion:	188	Resp:	499653
Ion Ratio	Lower	Upper	
188	100		
94	9.1	9.0	13.4
80	9.6	9.2	13.8

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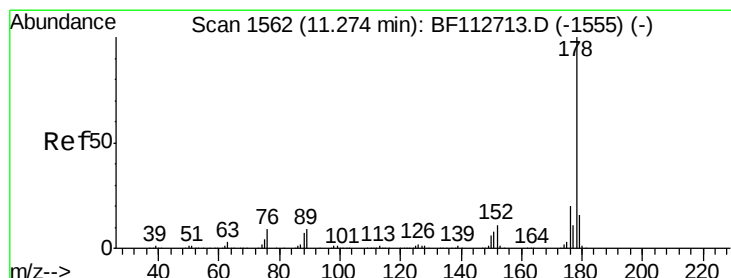
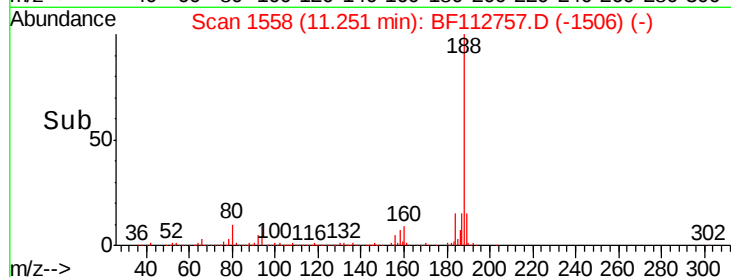
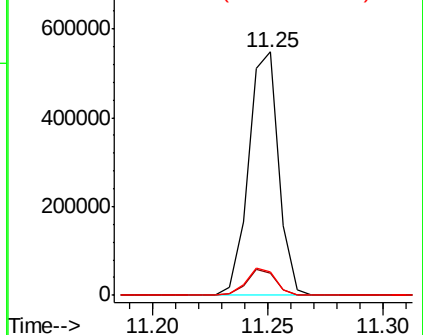
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 6.706 ng

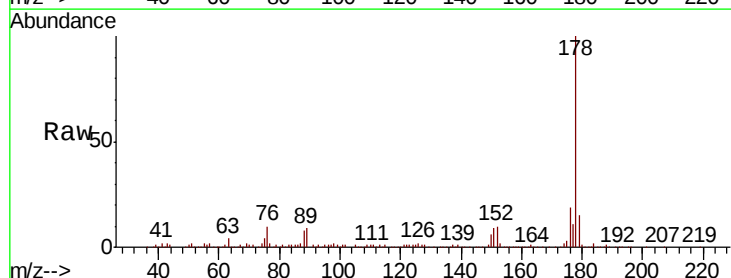
RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

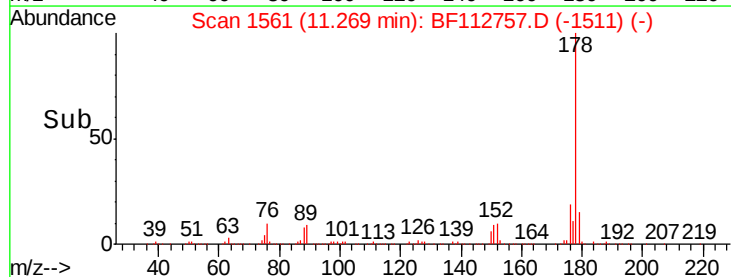
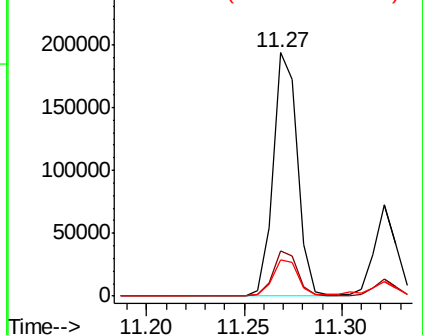
Tgt Ion:	178	Resp:	166716
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.3	24.5
179	15.0	12.7	19.1

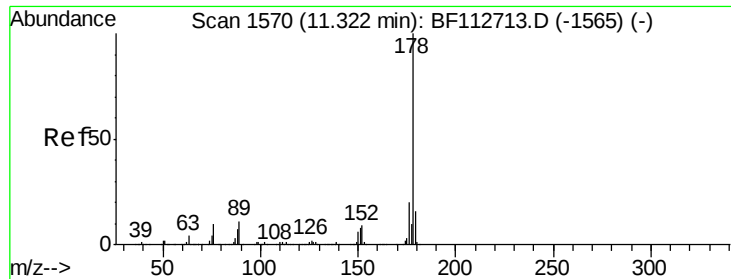


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.138 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

ClientSampled :

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Tot Ion:178 Resp: 55642

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

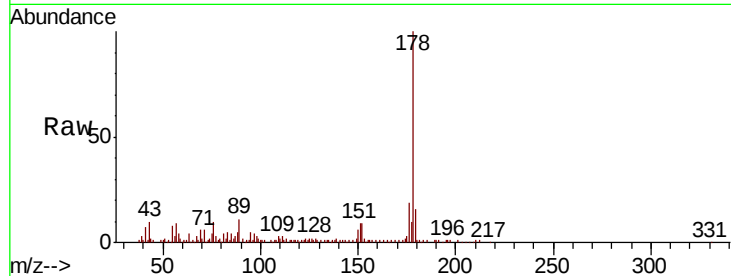
179 16.1 13.0 19.6

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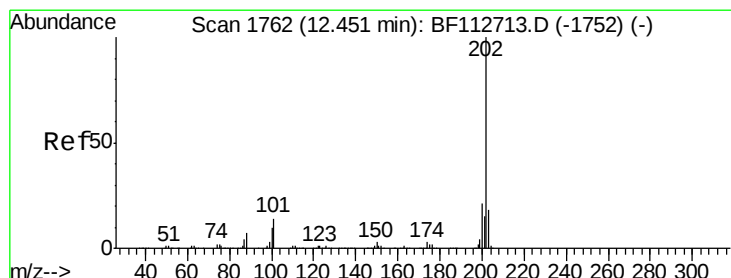
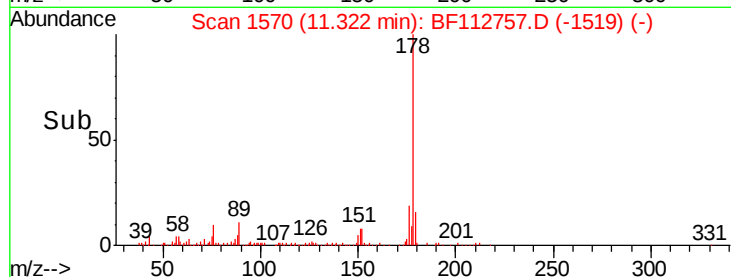
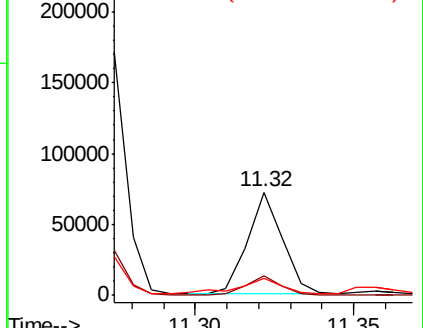
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 13.037 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

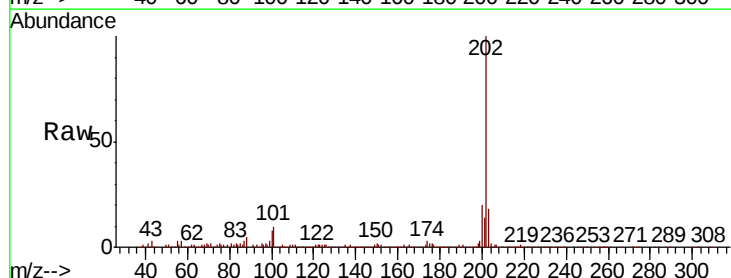
Tgt Ion:202 Resp: 347221

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.8

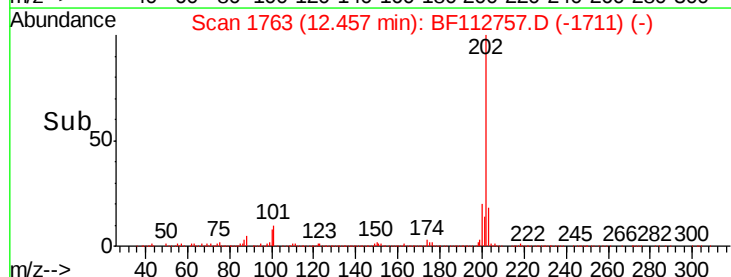
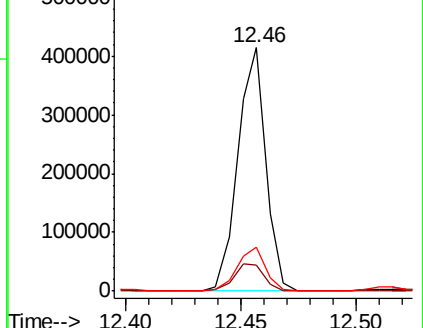
203 17.8 0.0 38.4

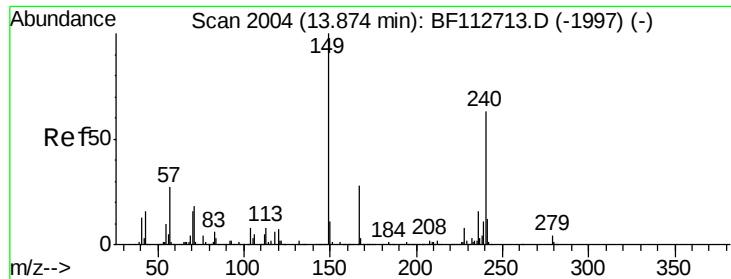


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

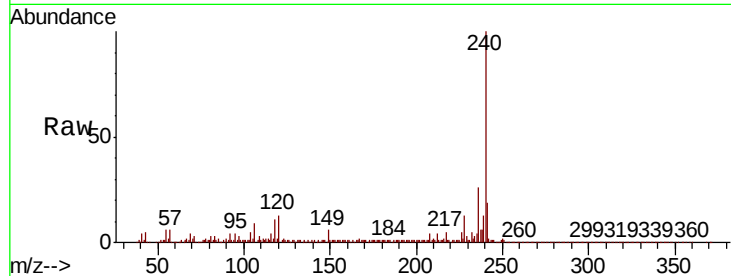
ClientSampleId :

COMP-14

Tot Ion:	240	Resp:	491393
Ion Ratio	Lower	Upper	
240	100		
120	13.0	8.9	13.3
236	26.0	20.7	31.1

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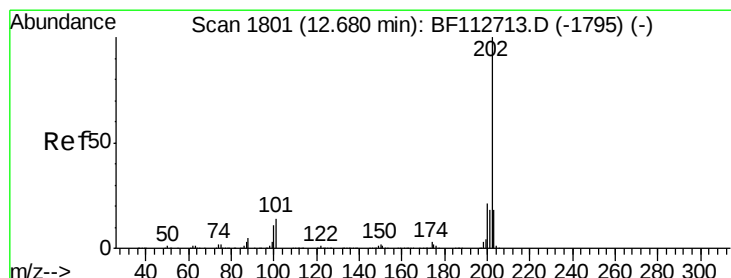
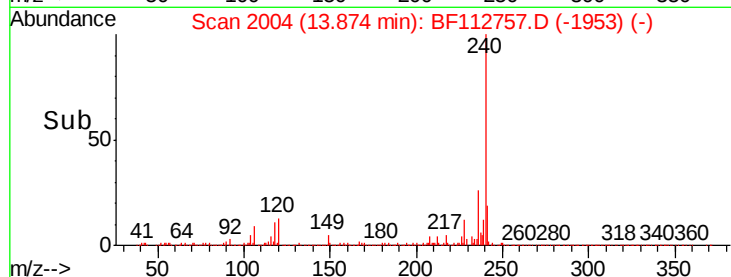
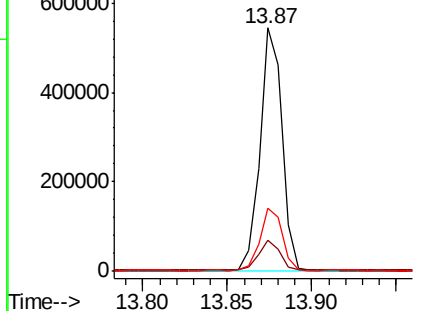
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 7.807 ng

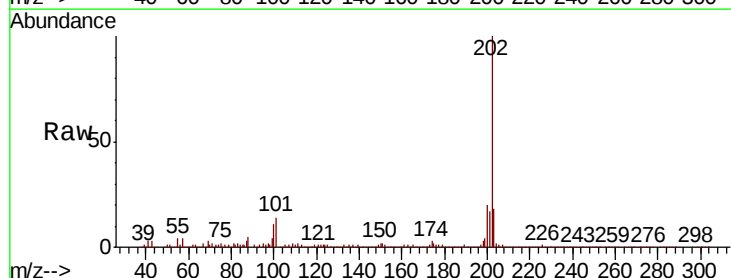
RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

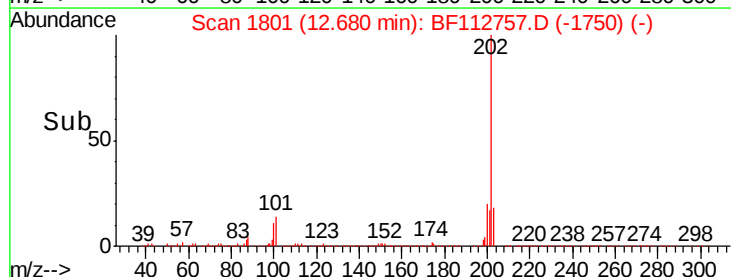
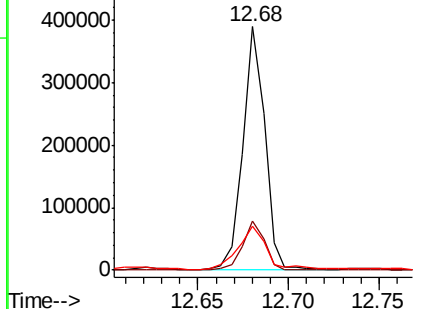
Tgt Ion:	202	Resp:	323424
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.0	25.4
203	18.1	14.4	21.6

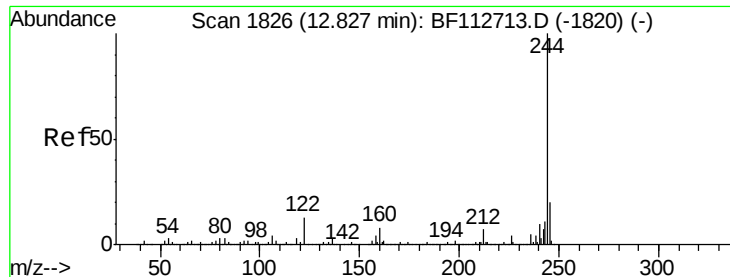


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 46.357 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

ClientSampled :

COMP-14

Tot Ion:244 Resp: 1175121

Ion Ratio Lower Upper

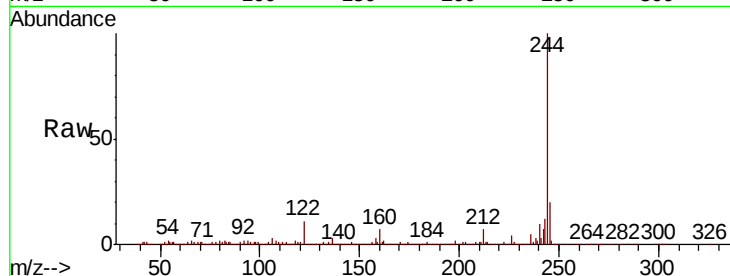
244 100

212 6.7 5.6 8.4

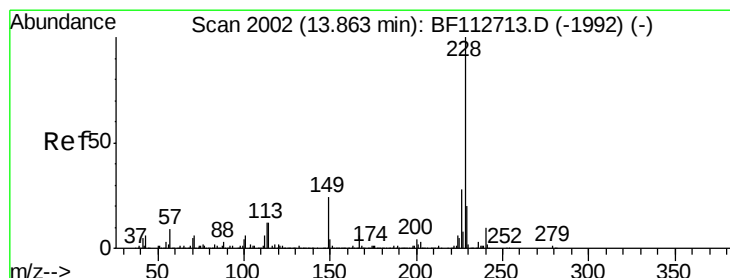
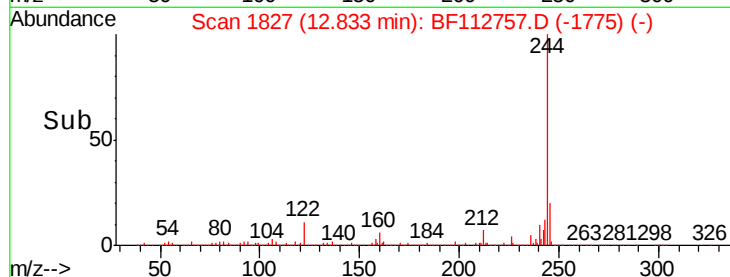
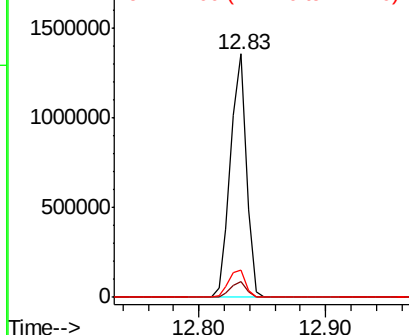
122 11.2 10.5 15.7

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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



#81

Benzo(a)anthracene

Concen: 5.305 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

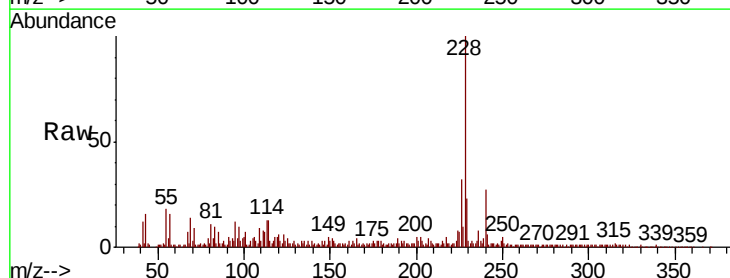
Tgt Ion:228 Resp: 180677

Ion Ratio Lower Upper

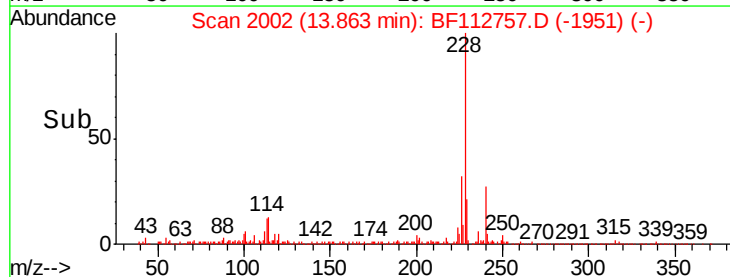
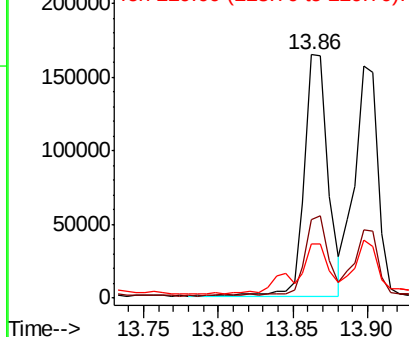
228 100

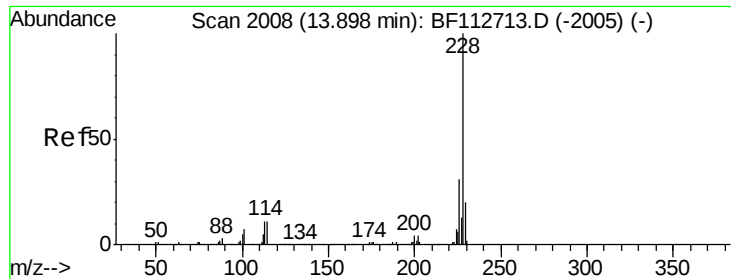
226 32.3 22.2 33.4

229 22.5 16.0 24.0



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





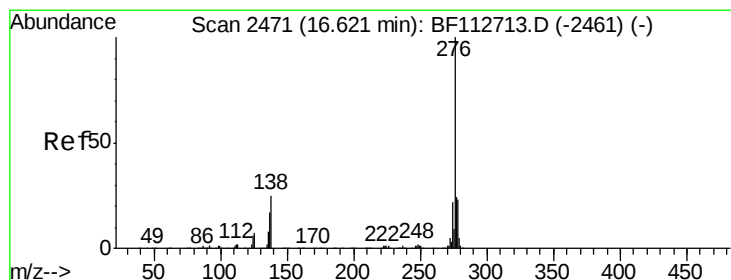
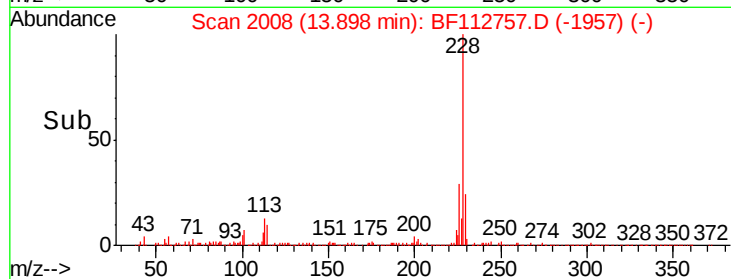
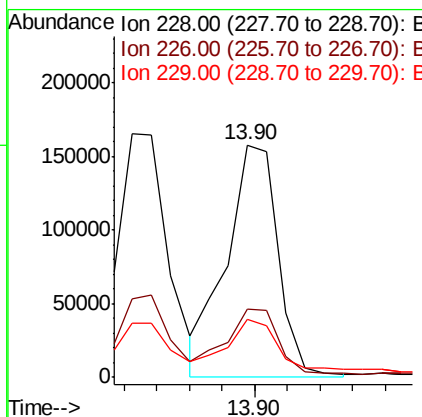
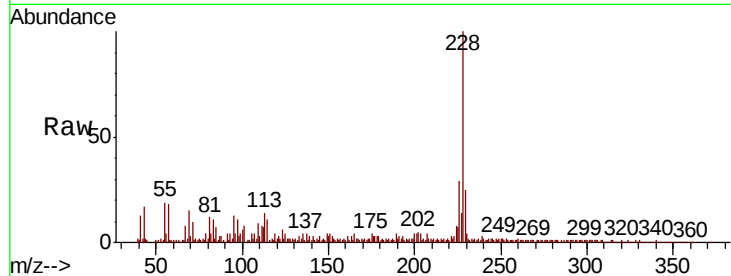
#83
Chrysene
Concen: 5.236 ng/ml
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	25.0	16.3	24.5

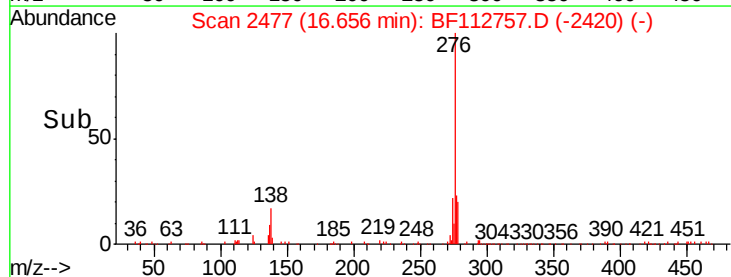
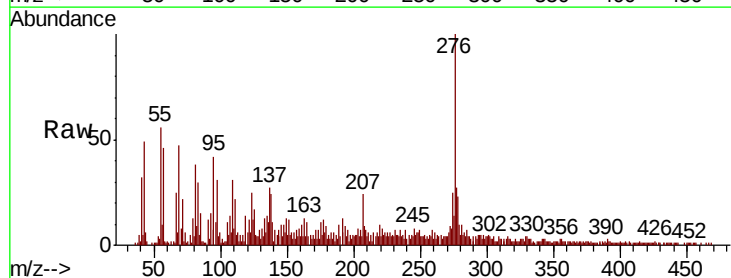
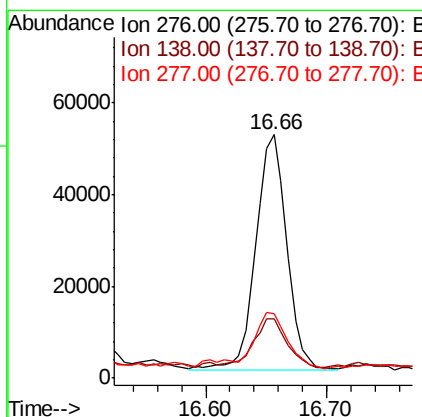
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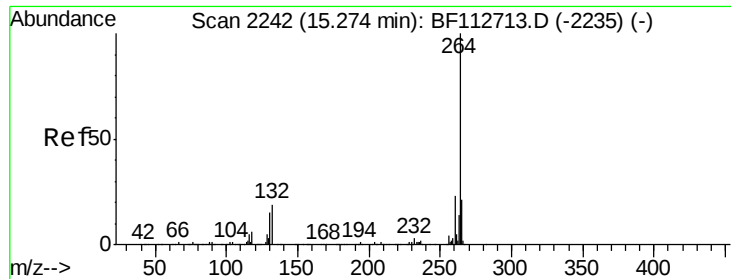
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.188 ng
RT: 16.66 min Scan# 2477
Delta R.T. 0.04 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	23.2	34.8
277	25.5	19.9	29.9





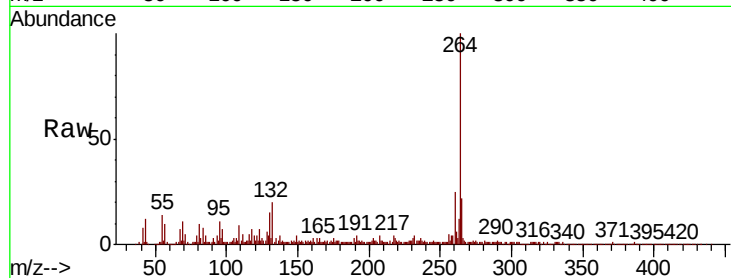
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.3	17.2	25.8

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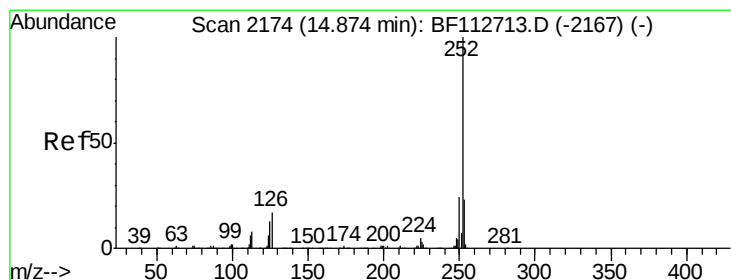
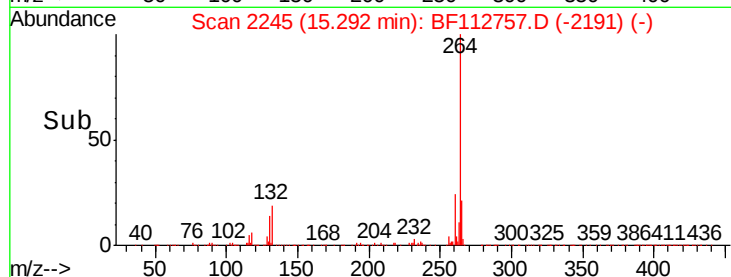
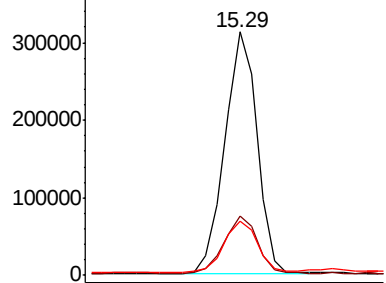


Abundance

Ion 264.00 (263.70 to 264.70): E

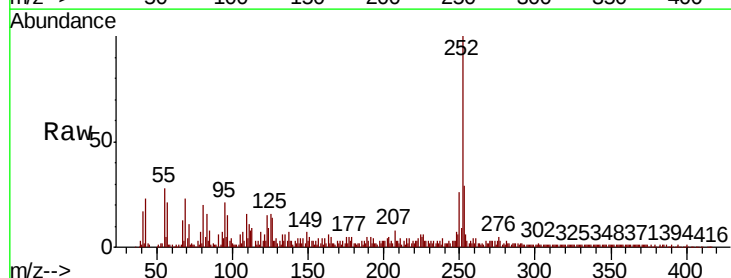
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 10.399 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112757.D
Acq: 28 Feb 2019 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.0	27.0#
125	16.2	10.2	15.2#

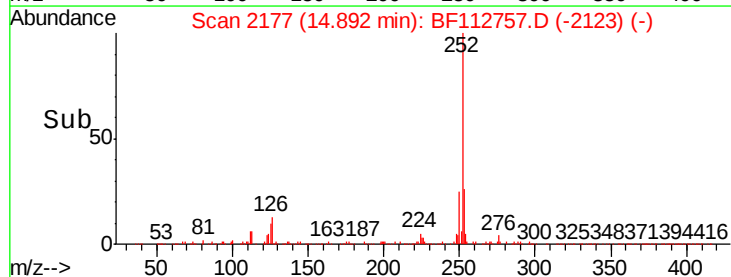
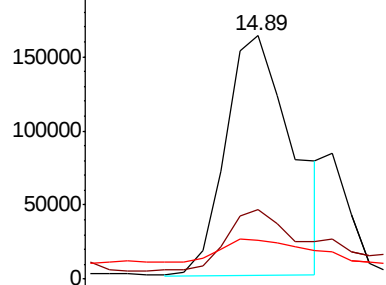


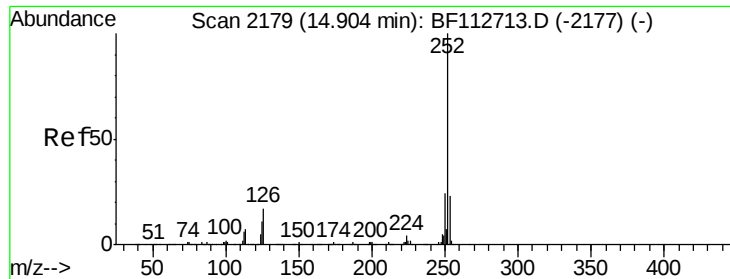
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 2.325 ng/mL

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Instrument :

BNA_F

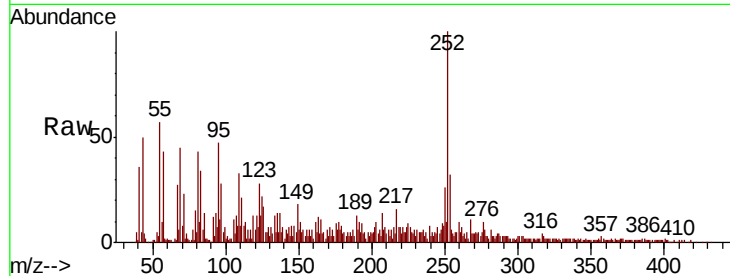
ClientSampleId :

COMP-14

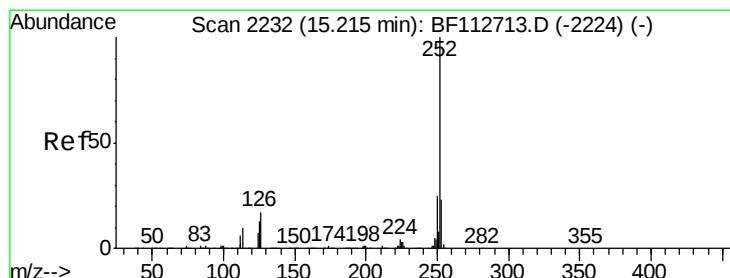
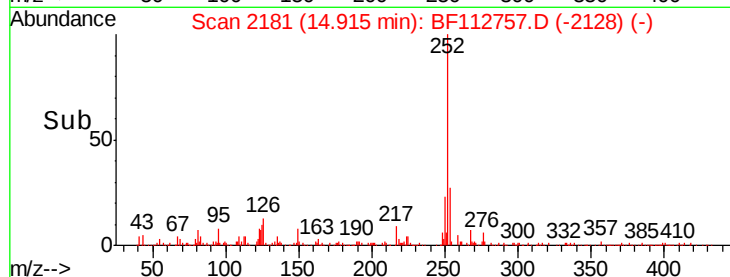
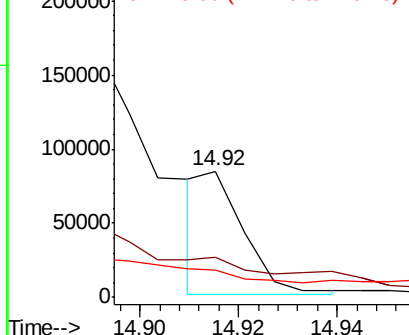
Tot Ion:	252	Resp:	48768
Ion Ratio	Lower	Upper	
252	100		
253	31.7	18.2	27.2#
125	22.1	9.8	14.6#

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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: 6.914 ng/mL

RT: 15.23 min Scan# 2235

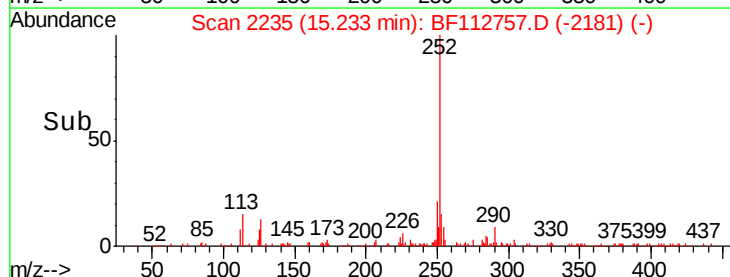
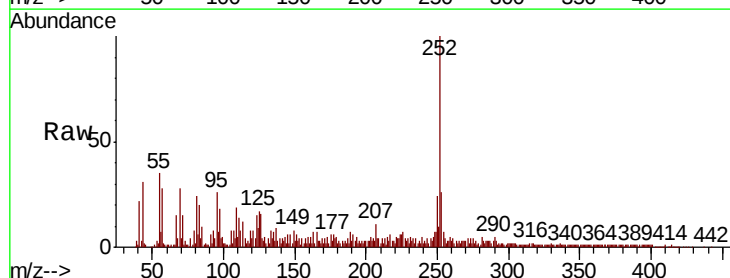
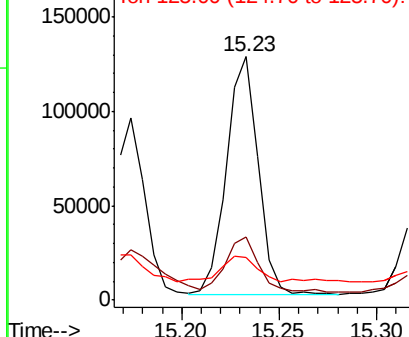
Delta R.T. 0.02 min

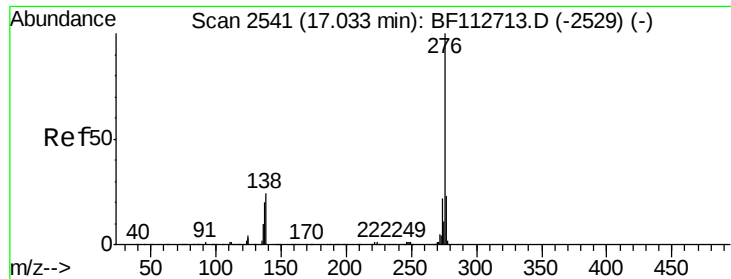
Lab File: BF112757.D

Acq: 28 Feb 2019 12:54

Tgt Ion:	252	Resp:	141632
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.0	27.0
125	17.3	10.7	16.1#

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: 4.923 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. 0.03 min
 Lab File: BF112757.D
 Acq: 28 Feb 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.6	27.8
138	25.6	19.4	29.0

Manual Integrations
 APPROVED

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