

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101319.D
 Acq On : 12 Dec 2017 7:23
 Operator : SJ/JU
 Sample : I6764-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-2-E(0-1)

Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:59:42 PM

Quant Time: Dec 12 10:02:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	39502	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	143638	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	60804	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	111026	20.00	ng	0.00
75) Chrysene-d12	14.02	240	83654	20.00	ng	0.01
86) Perylene-d12	15.49	264	65447	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	265178	110.93	ng	0.02
7) Phenol-d6	6.47	99	316226	108.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	173184	71.92	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	65496	89.67	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	377354	84.91	ng	0.00
78) Terphenyl-d14	12.95	244	315892	82.59	ng	0.01
Target Compounds						
10) Phenol	6.48	94	8716	2.701	ng	Qvalue # 66
49) Dimethylphthalate	9.58	163	43558	8.883	ng	99
70) Phenanthrene	11.39	178	35404	5.791	ng	98
71) Anthracene	11.44	178	13054	2.110	ng	98
74) Fluoranthene	12.58	202	76170	11.239	ng	96
77) Pyrene	12.81	202	75754	13.124	ng	96
80) Benzo(a)anthracene	14.00	228	37039	7.013	ng	98
82) Chrysene	14.04	228	31807	6.484	ng	98
85) Indeno(1,2,3-cd)pyrene	16.98	276	15947	3.657	ng	# 87
87) Benzo(b)fluoranthene	15.06	252	37727m	9.624	ng	
88) Benzo(k)fluoranthene	15.09	252	10381m	2.688	ng	
89) Benzo(a)pyrene	15.43	252	27113	7.608	ng	97
91) Benzo(a,h,i)perylene	17.44	276	15226	5.142	ng	95

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

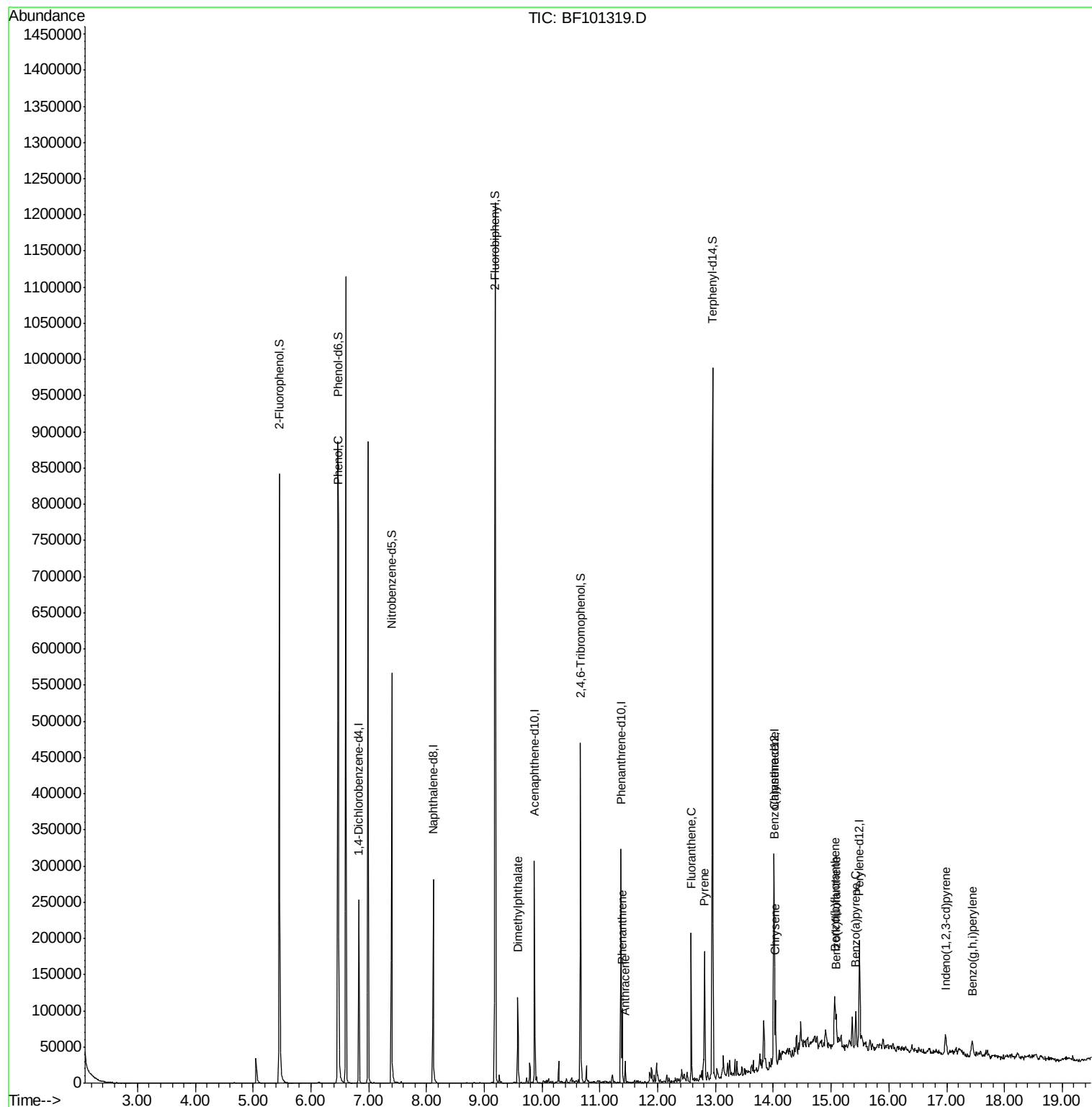
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101319.D
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Operator : SJ/JU
Sample : I6764-07
Misc :
ALS Vial : 41 Sample Multiplier: 1

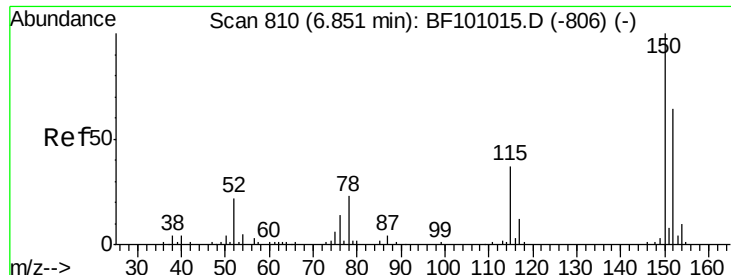
Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

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#1

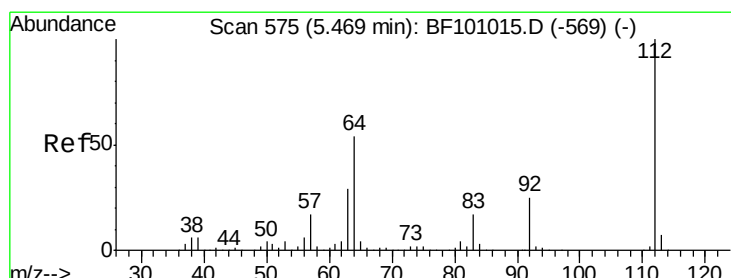
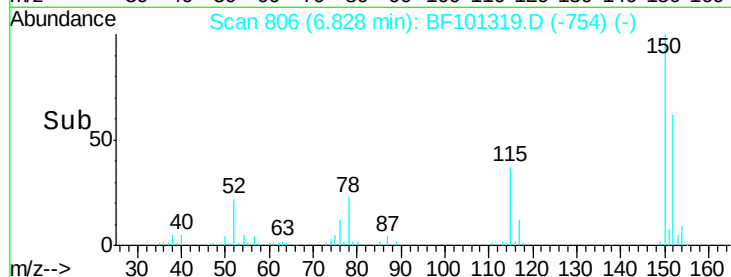
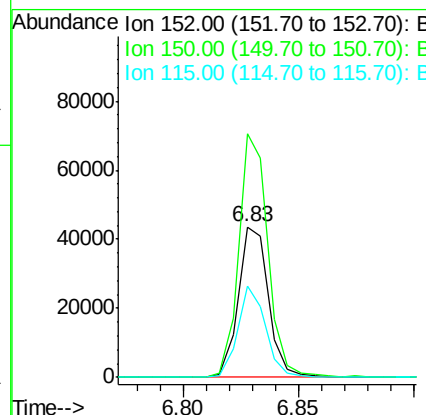
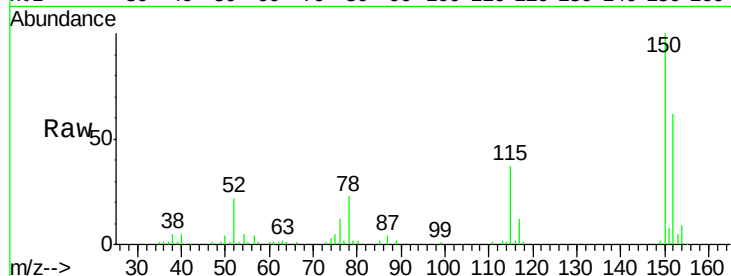
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.6	186.8
115	60.7	50.1	75.1

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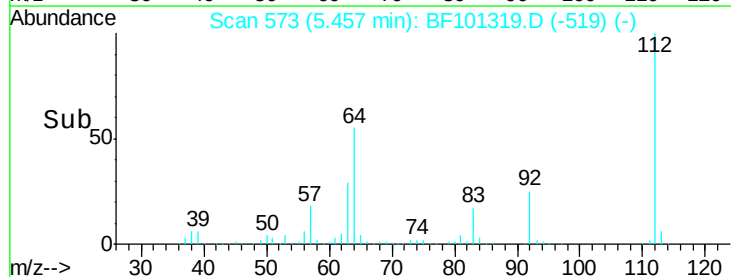
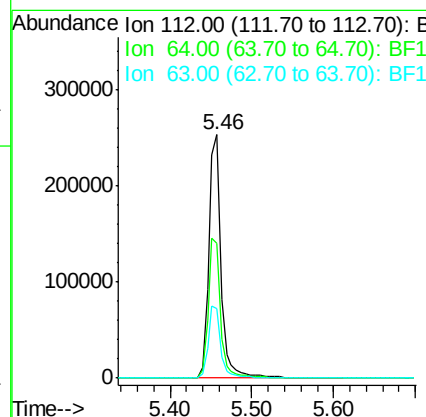
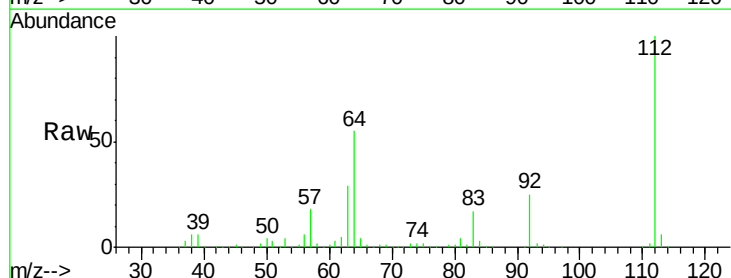
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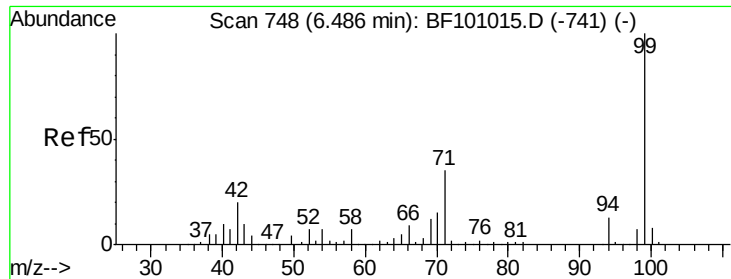


#5

2-Fluorophenol
Concen: 110.929 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 108.956 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

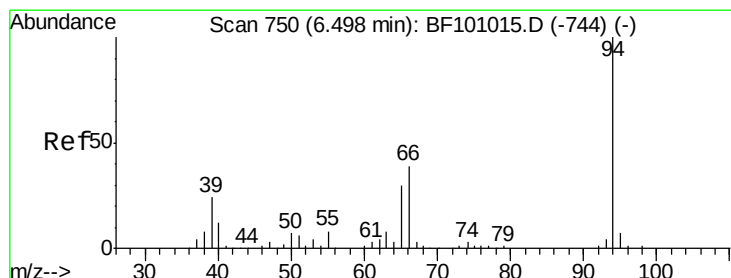
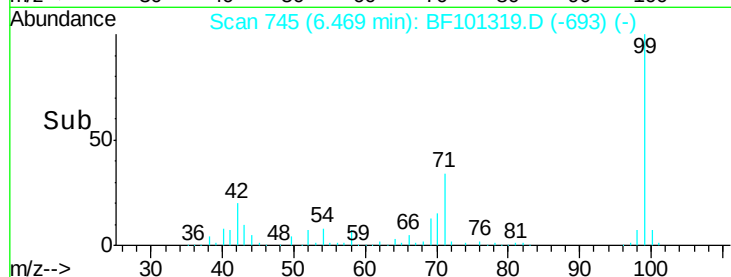
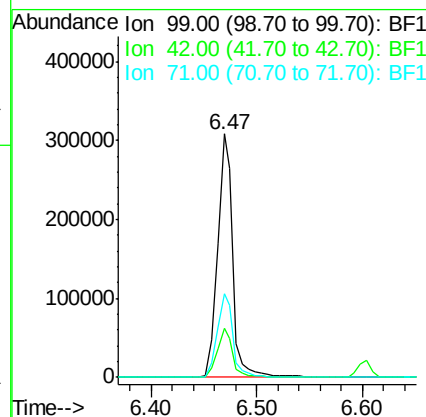
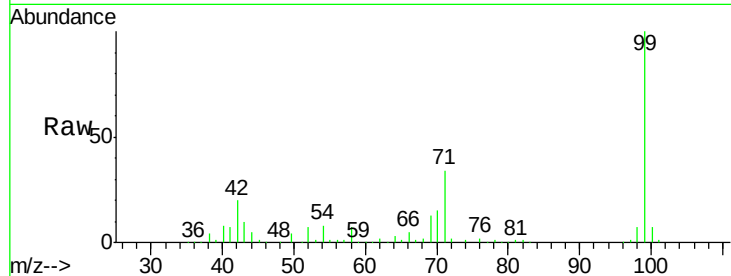
ClientSampleId :

MAP-2-E(0-1)

Tot Ion:	99	Resp:	316226
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	34.2	25.4	38.0

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#10

Phenol

Concen: 2.701 ng

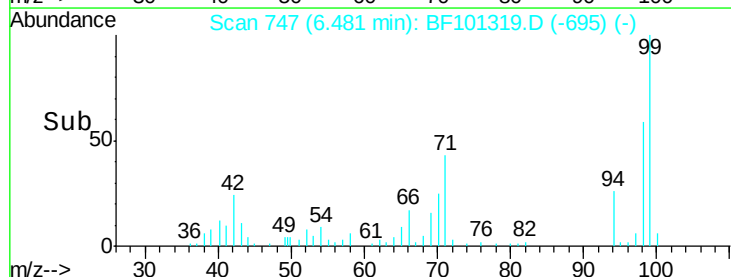
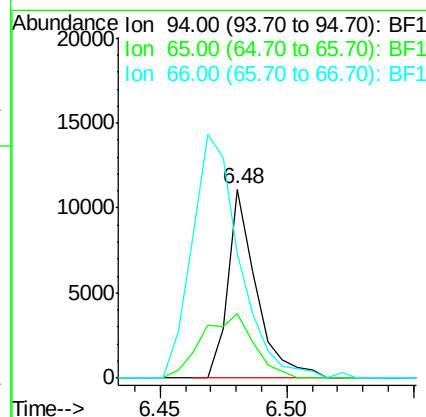
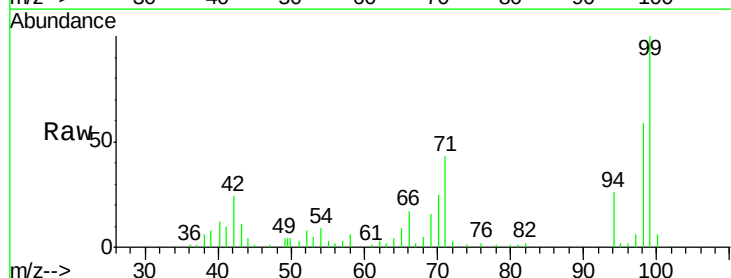
RT: 6.48 min Scan# 747

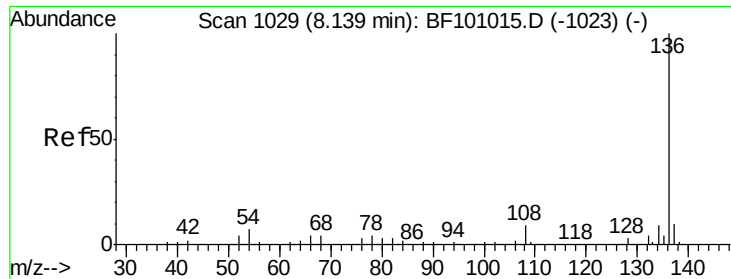
Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Tgt Ion:	94	Resp:	8716
Ion Ratio	Lower	Upper	
94	100		
65	34.4	7.9	47.9
66	66.2	16.2	56.2





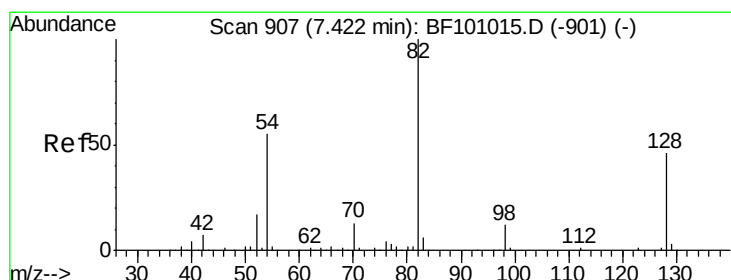
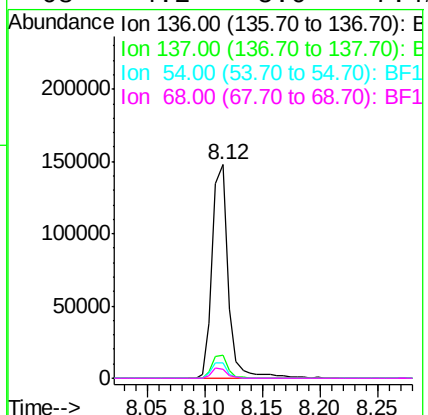
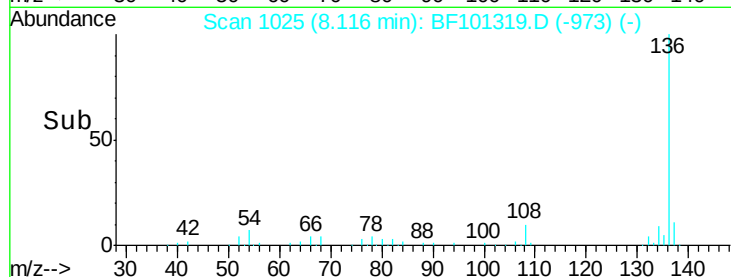
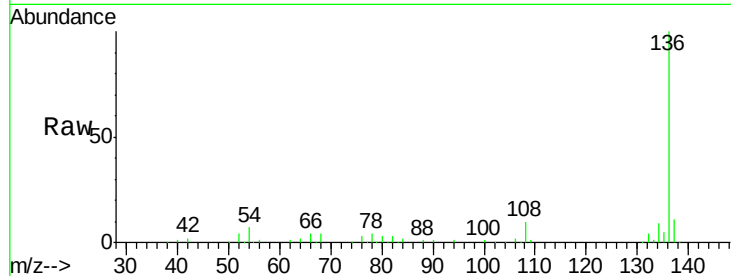
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.2	6.6	9.8
68	4.2	5.0	7.4#

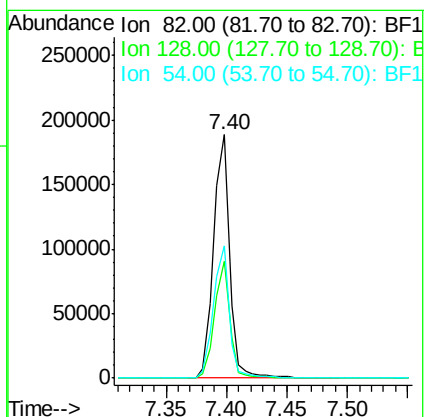
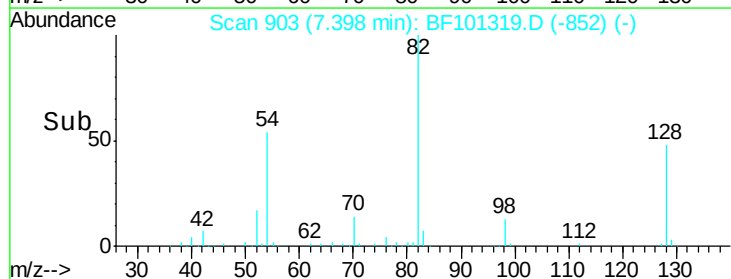
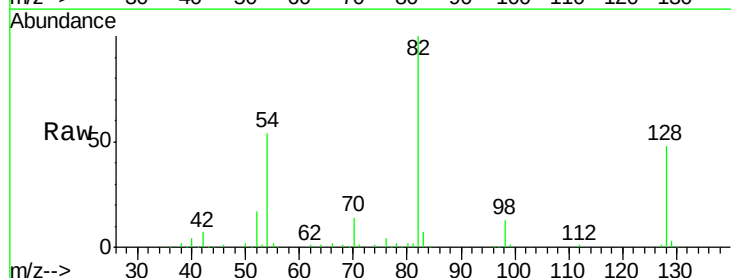
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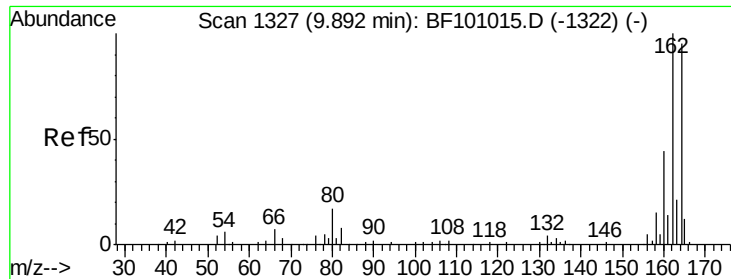
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#23
Nitrobenzene-d5
Concen: 71.924 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.1	36.1	54.1
54	54.1	41.4	62.2





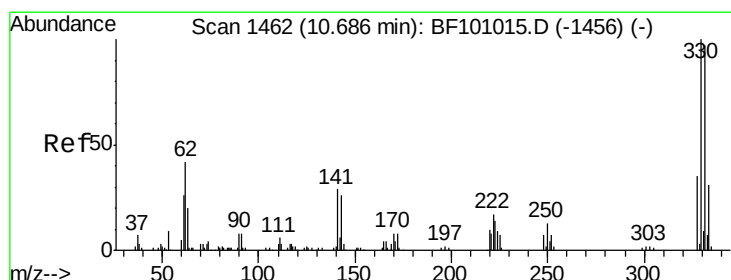
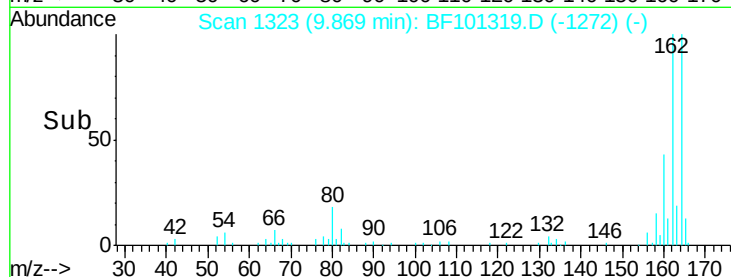
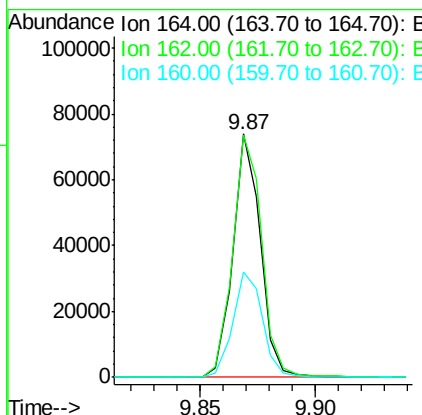
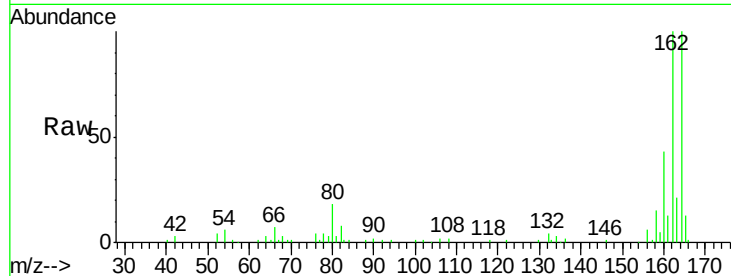
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampled :
MAP-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	86.1	129.1
160	43.1	38.3	57.5

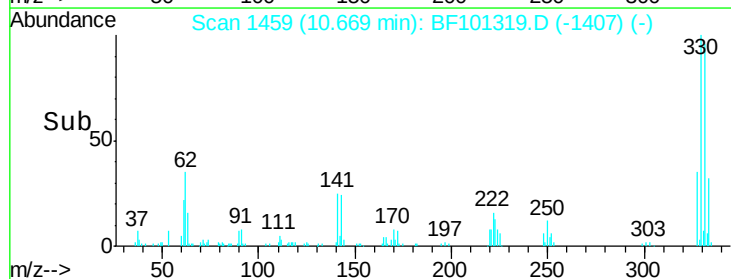
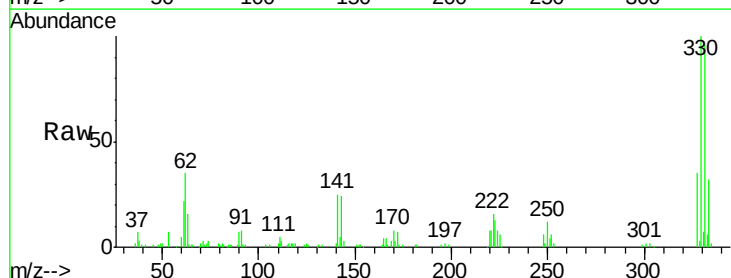
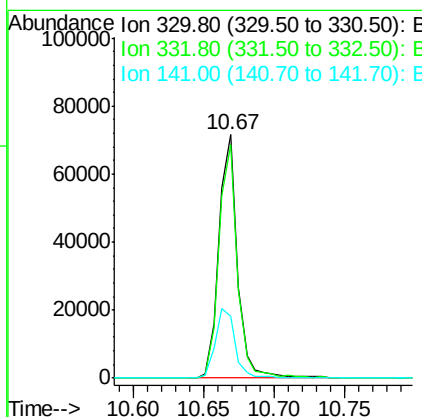
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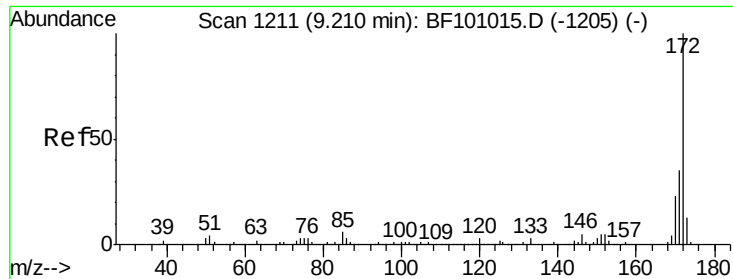
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#41
2,4,6-Tribromophenol
Concen: 89.668 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	30.2	29.9	44.9





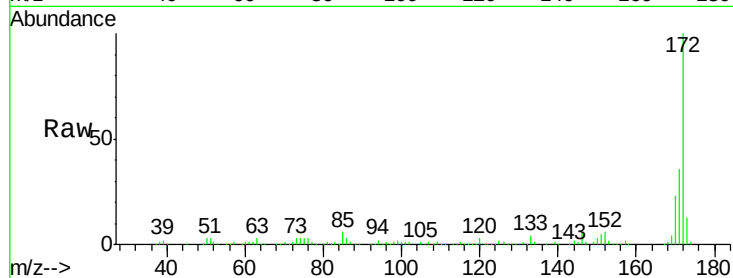
#44
2-Fluorobiphenyl
Concen: 84.911 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

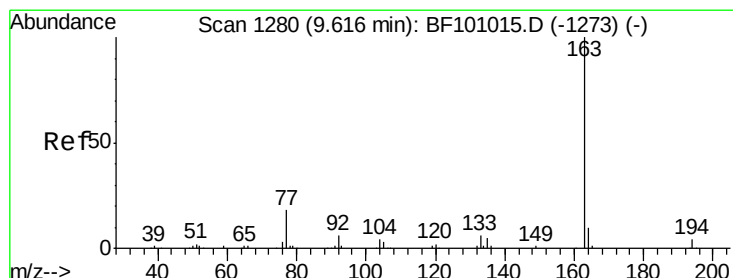
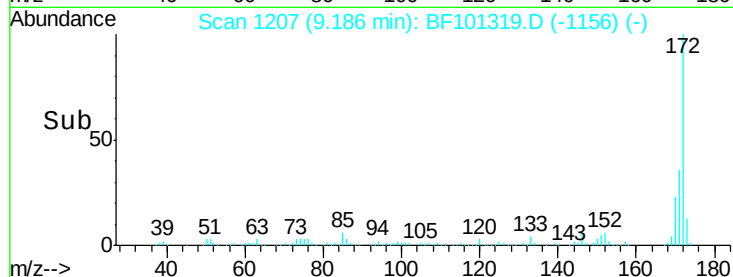
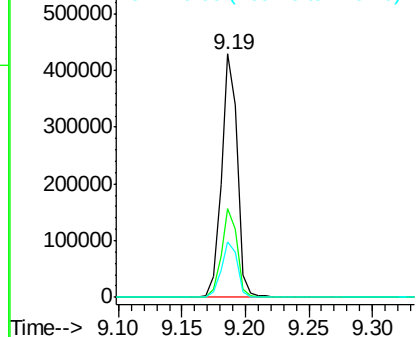
Tot Ion	Ratio	Resp	Lower	Upper
172	100	377354		
171	36.5	29.7	44.5	
170	22.9	19.6	29.4	

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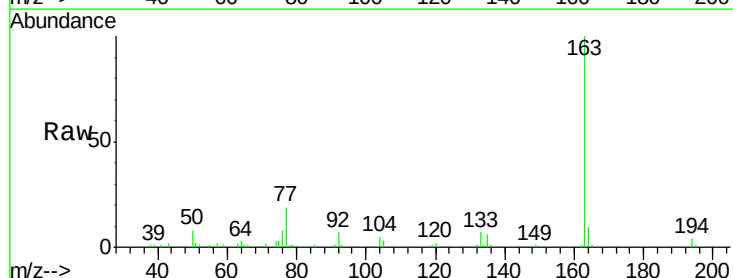


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

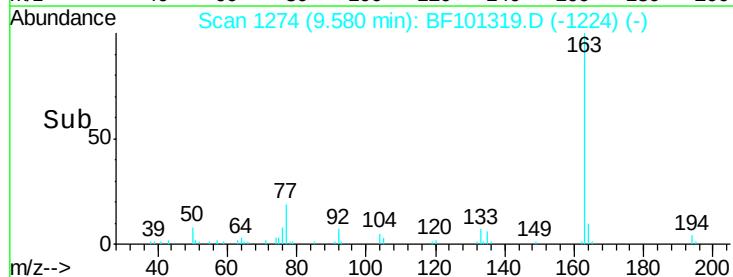
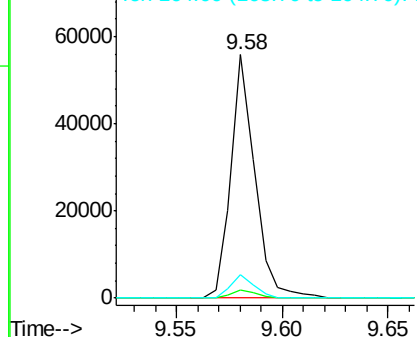


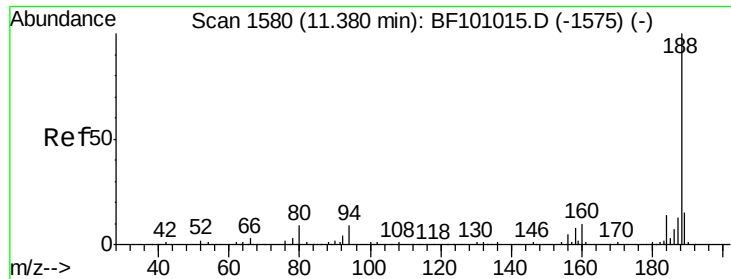
#49
Dimethylphthalate
Concen: 8.883 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	43558		
194	3.6	2.7	4.1	
164	9.6	8.2	12.2	



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





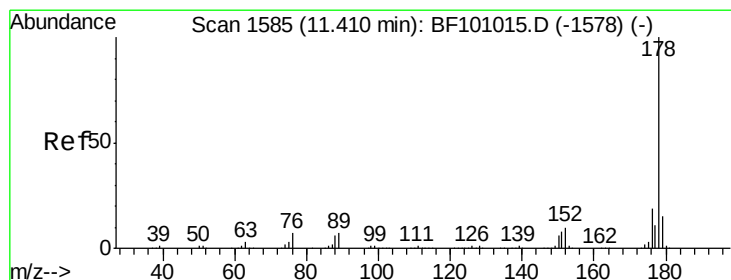
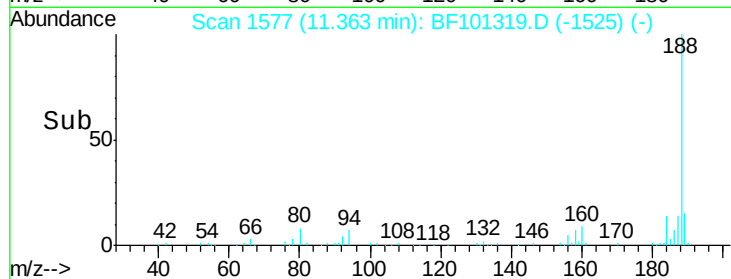
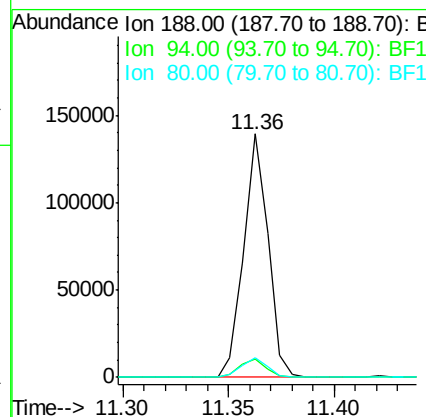
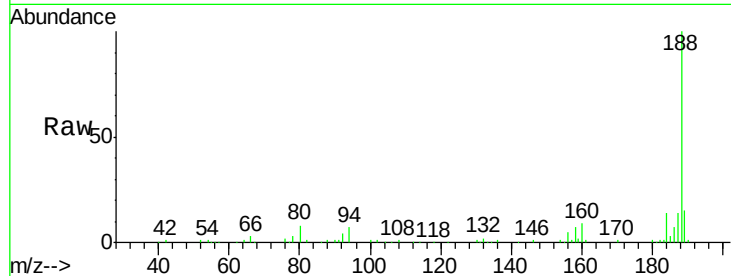
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Instrument :
 BNA_F
 ClientSampleId :
 MAP-2-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	7.8	9.2	13.8#

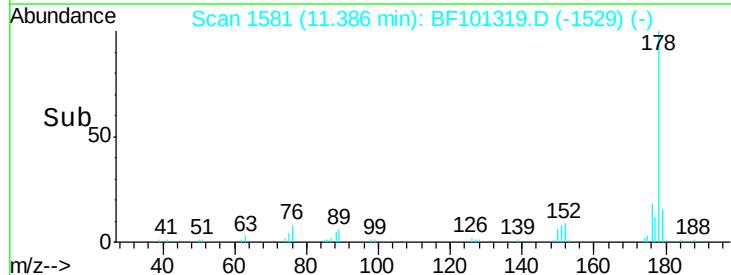
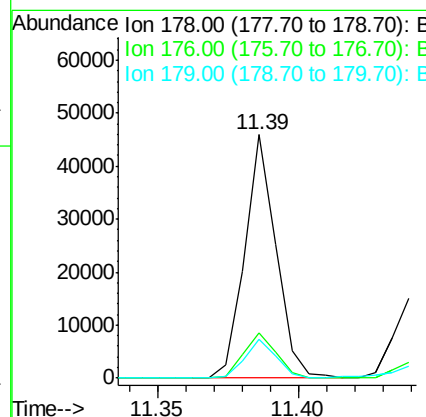
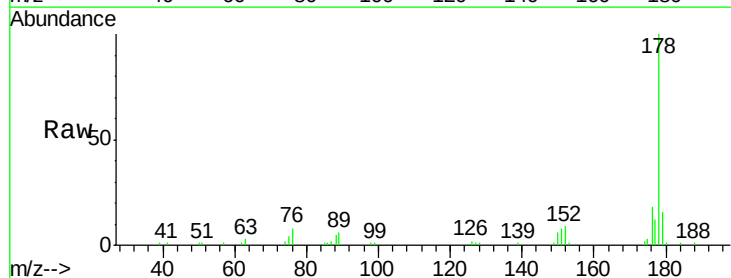
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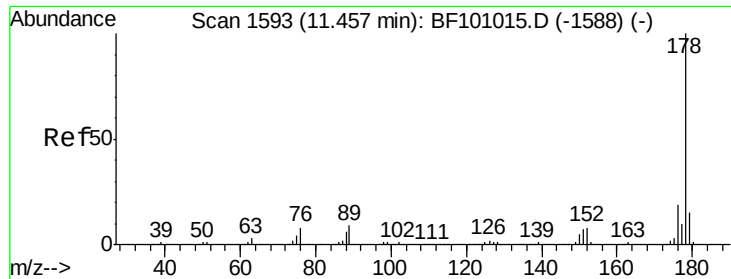
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#70
 Phenanthrene
 Concen: 5.791 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	16.0	13.0	19.6





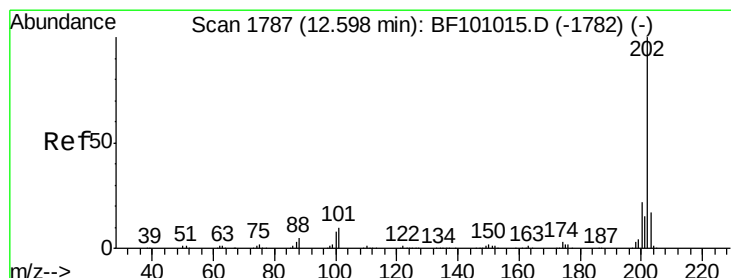
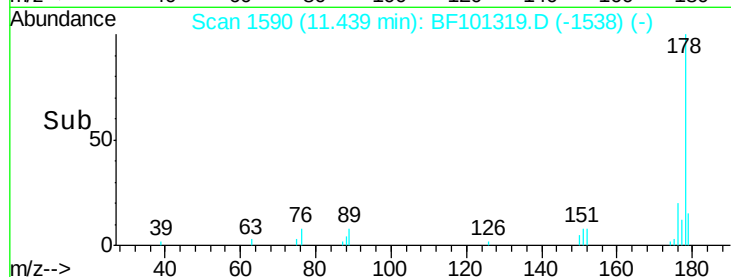
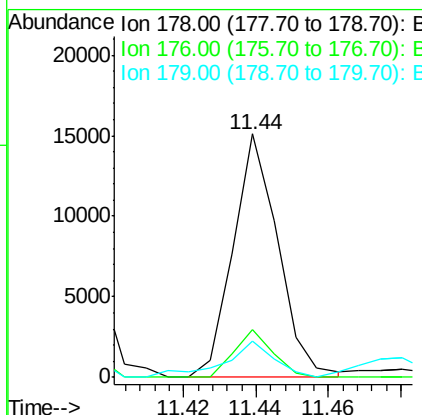
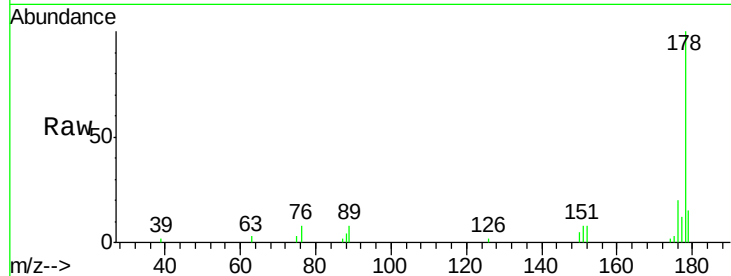
#71
 Anthracene
 Concen: 2.110 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Instrument :
 BNA_F
 ClientSampleId :
 MAP-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	14.7	12.6	19.0

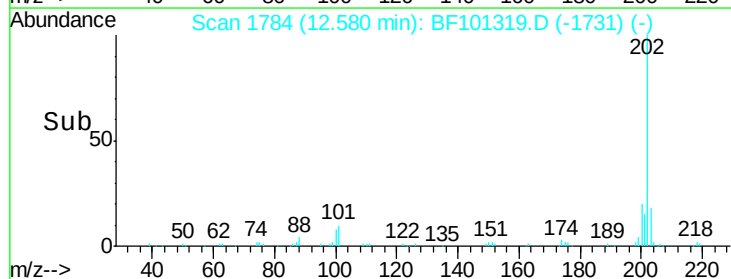
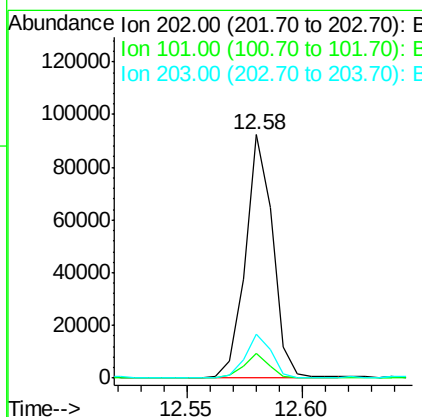
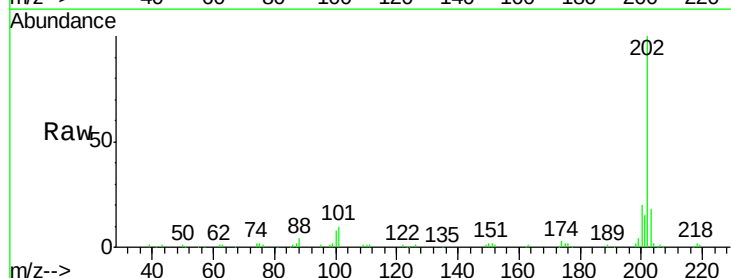
Manual Integrations
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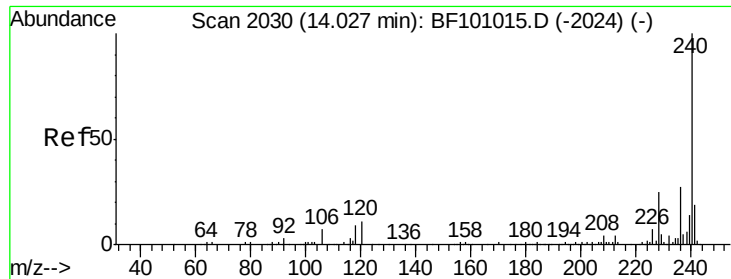
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#74
 Fluoranthene
 Concen: 11.239 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

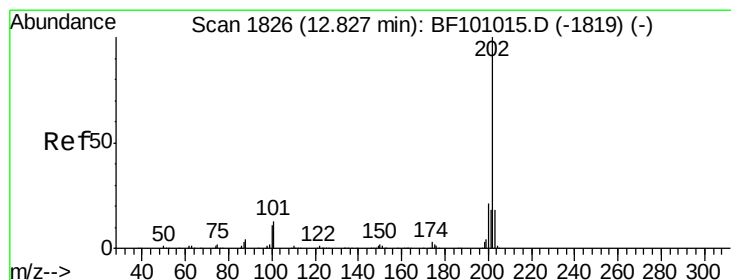
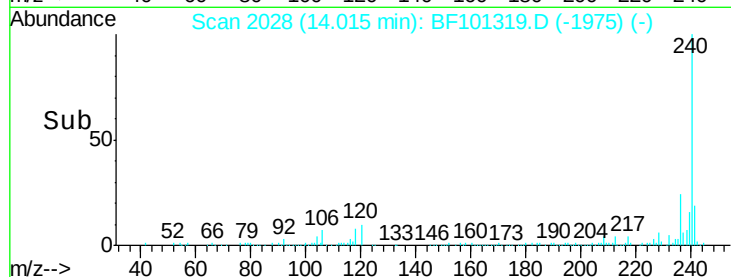
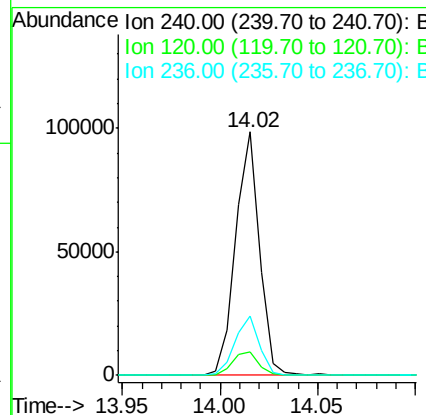
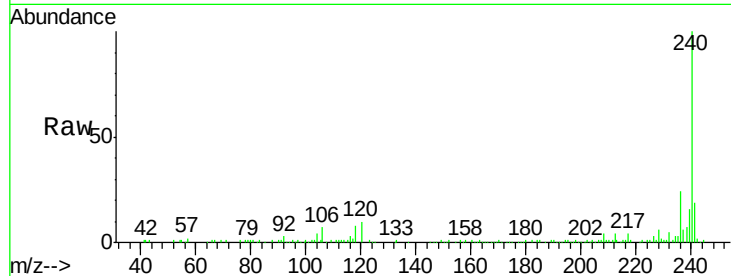
ClientSampleId :

MAP-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.5	14.3
236	24.5	20.7	31.1

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#77

Pyrene

Concen: 13.124 ng

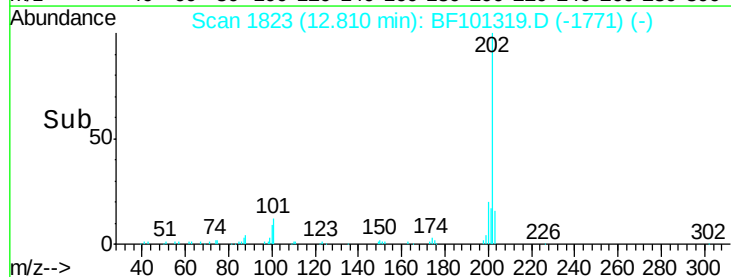
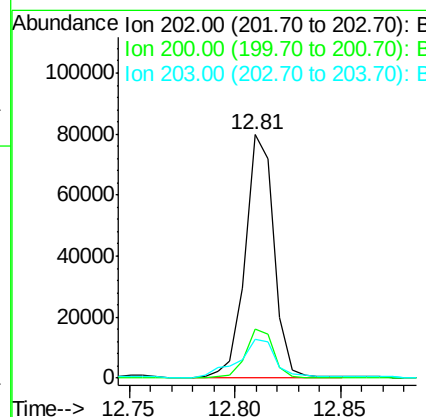
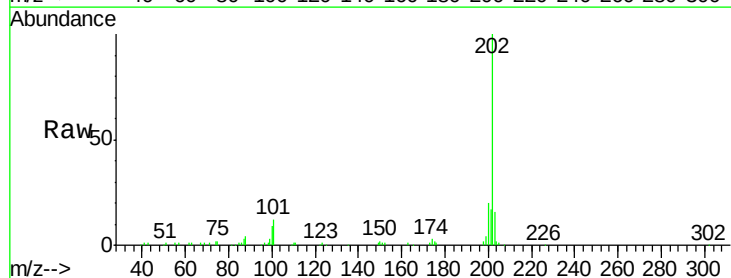
RT: 12.81 min Scan# 1823

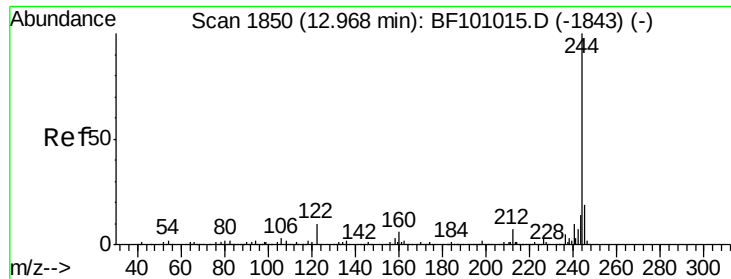
Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.0	14.3	21.5





#78

Terphenyl-d14

Concen: 82.595 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampleId :

MAP-2-E(0-1)

Tot Ion:244 Resp: 315892

Ion Ratio Lower Upper

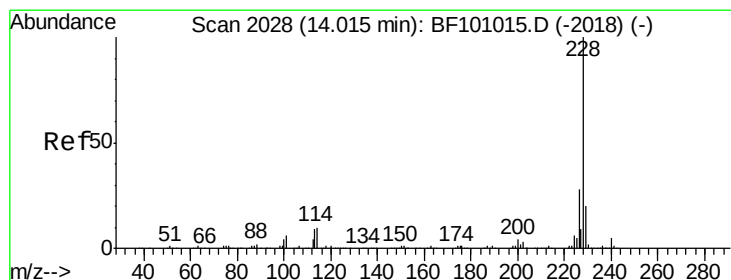
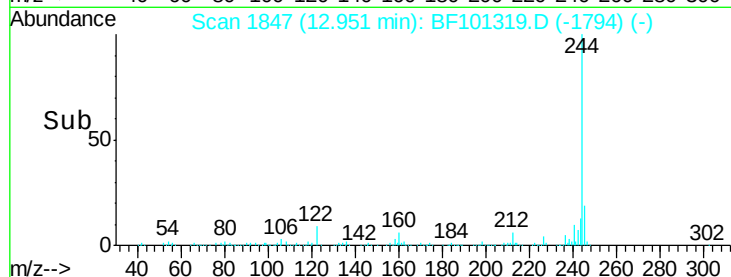
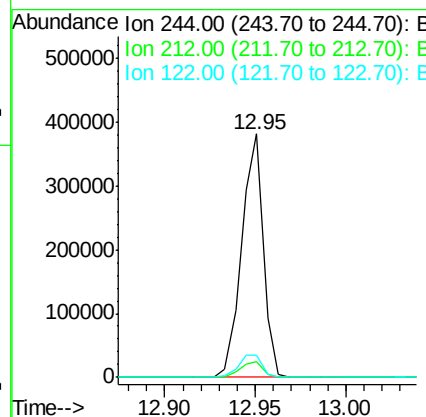
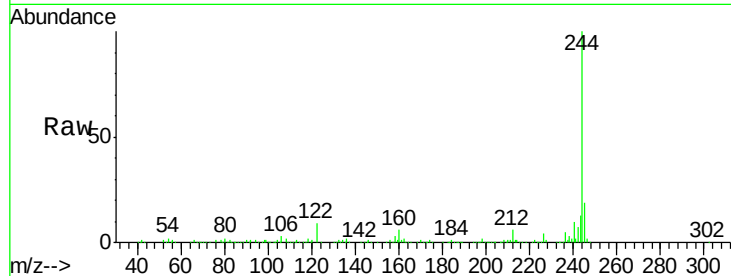
244 100

212 6.5 5.4 8.0

122 9.3 11.0 16.4#

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#80

Benzo(a)anthracene

Concen: 7.013 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

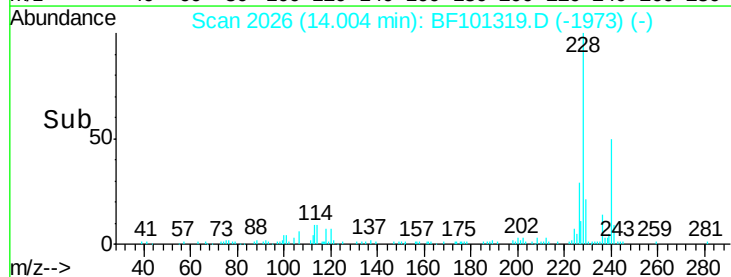
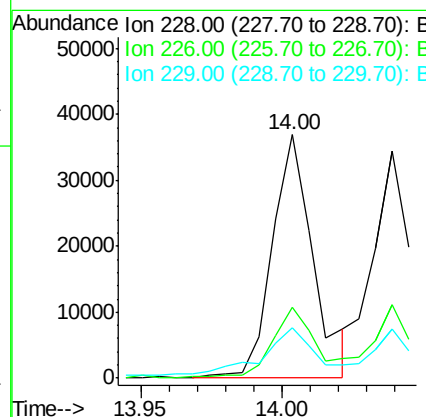
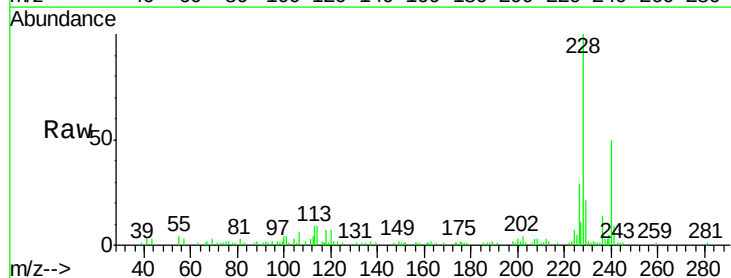
Tgt Ion:228 Resp: 37039

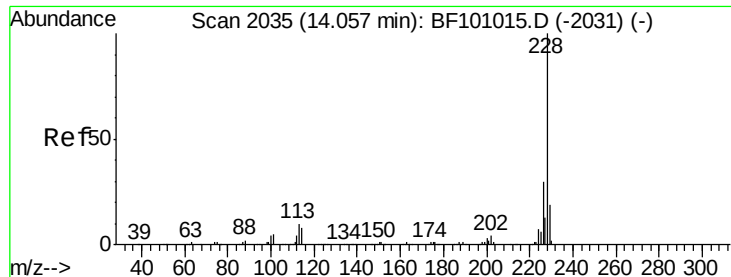
Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 20.9 15.8 23.6





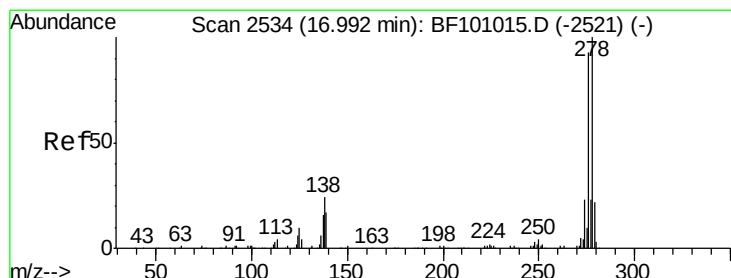
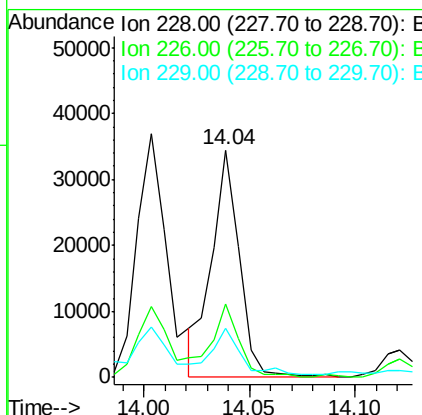
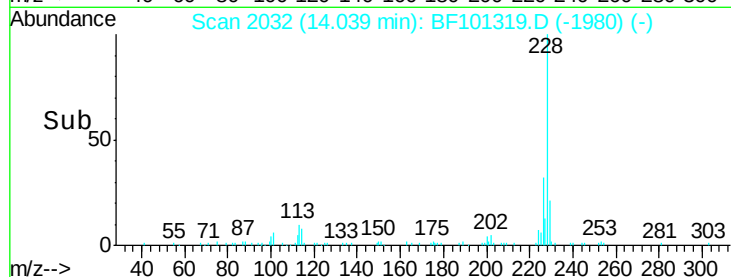
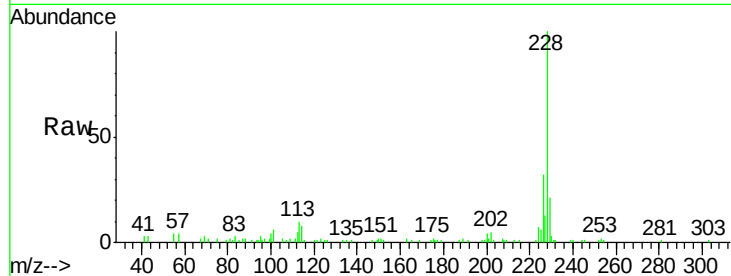
#82
Chrysene
Concen: 6.484 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

Tot Ion:	228	Resp:	31807
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.0	37.6
229	21.3	16.2	24.4

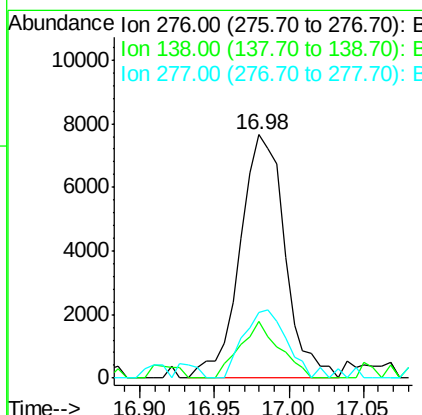
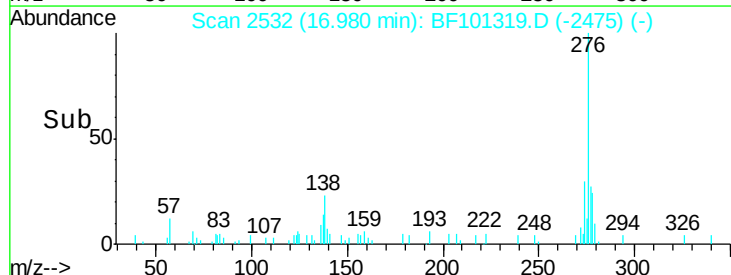
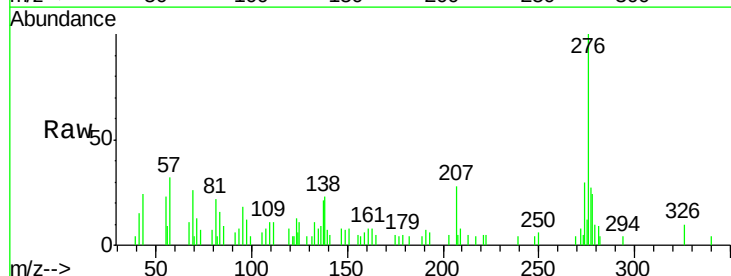
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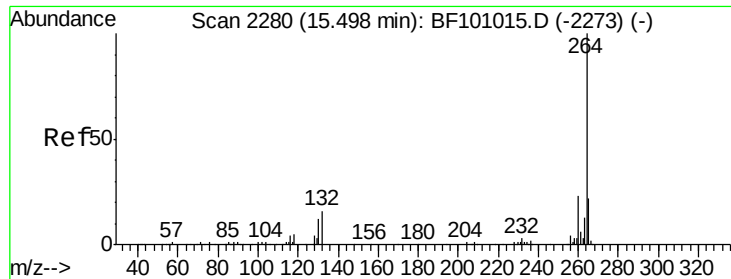
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.657 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.04 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:	276	Resp:	15947
Ion Ratio	Lower	Upper	
276	100		
138	20.5	25.0	37.6#
277	27.2	20.1	30.1





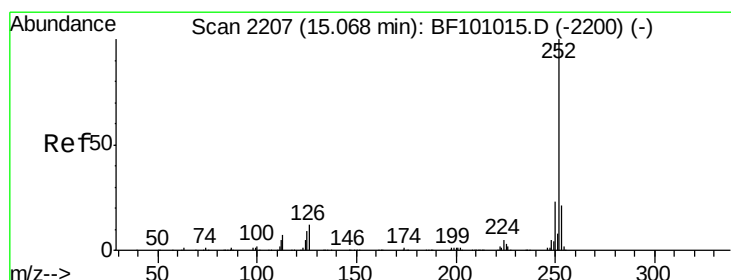
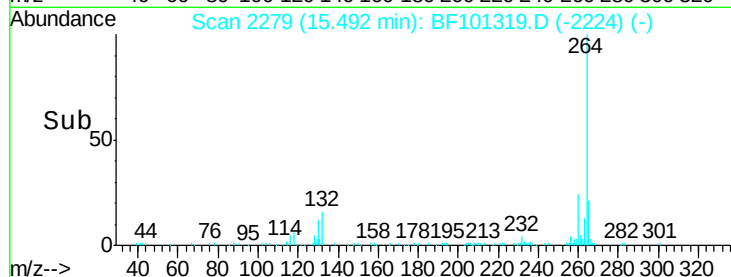
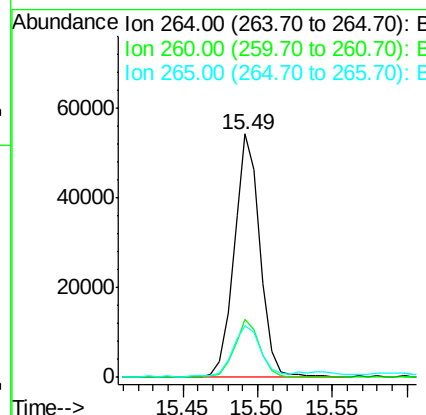
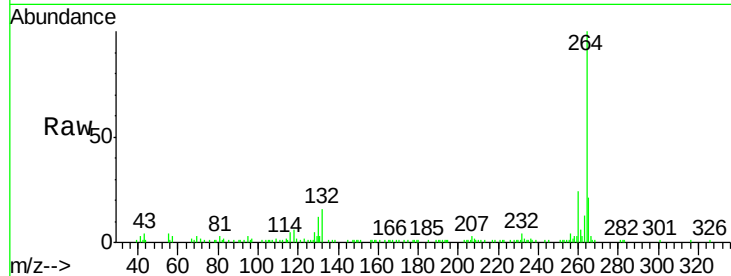
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.5	26.3

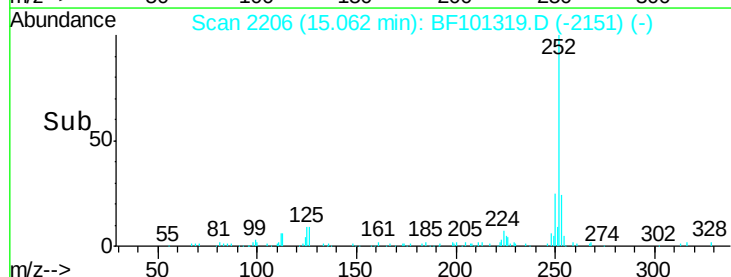
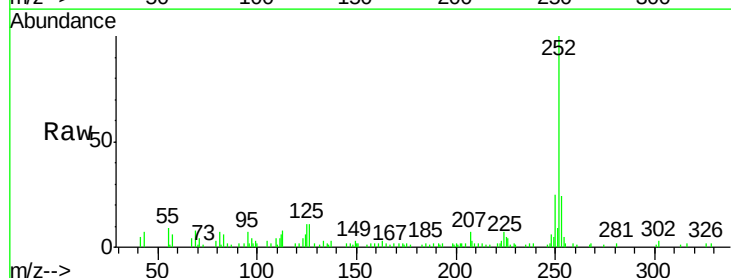
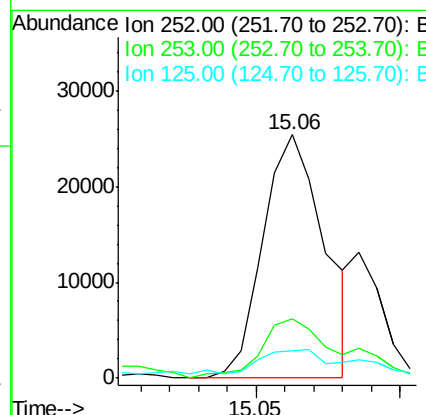
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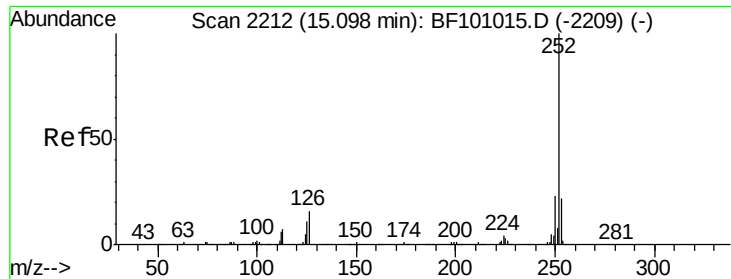
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#87
Benzo(b)fluoranthene
Concen: 9.624 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	11.4	9.0	13.6





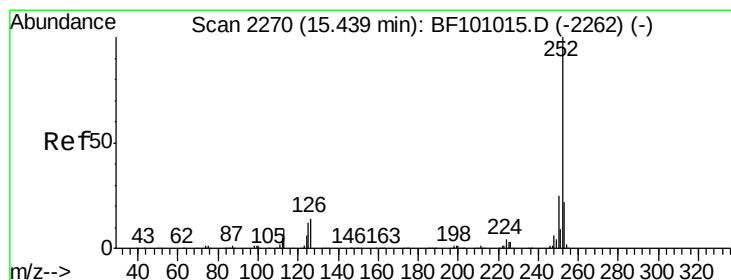
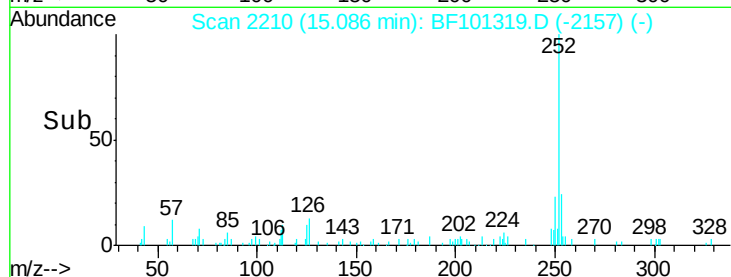
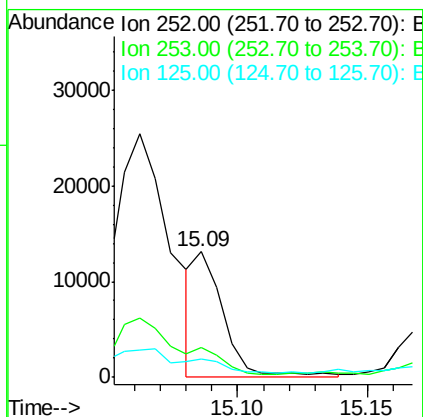
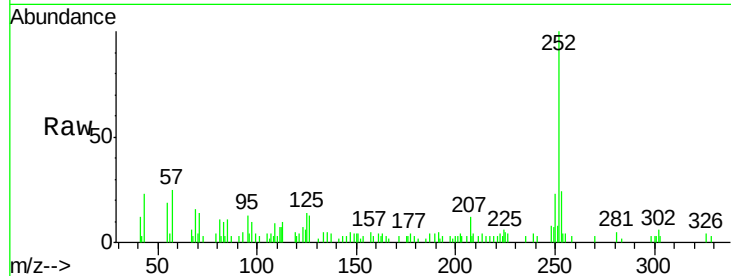
#88
Benzo(k)fluoranthene
Concen: 2.688 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :
MAP-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.4	10.2	15.2

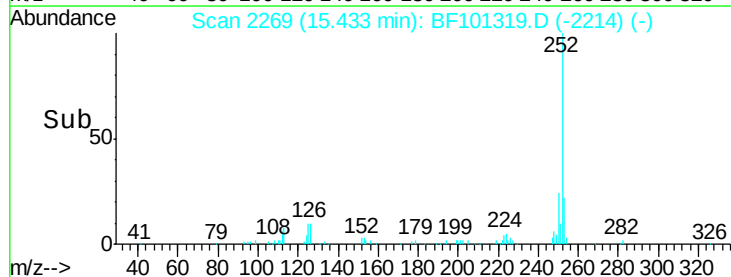
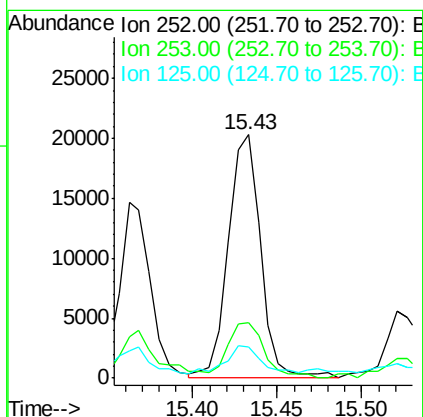
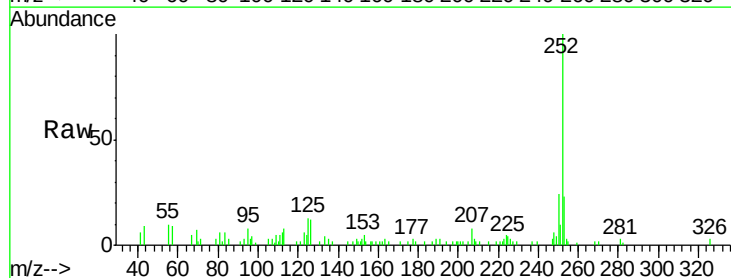
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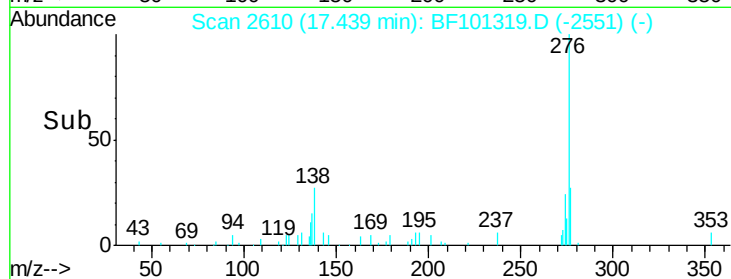
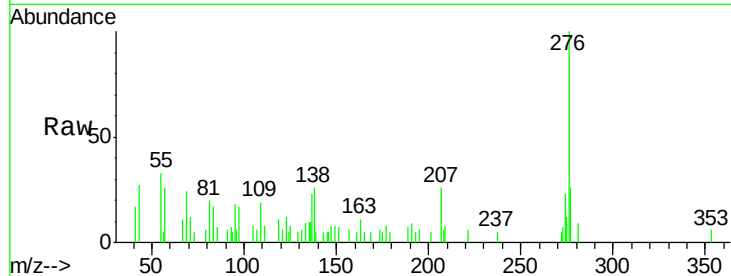
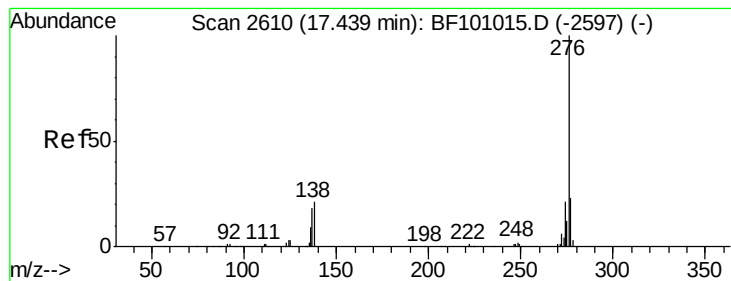
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#89
Benzo(a)pyrene
Concen: 7.608 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.9	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 5.142 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.05 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Tot Ion:	276	Resp:	15226
Ion Ratio		Lower	Upper
276	100		
277	26.0	17.9	26.9
138	25.7	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

MAP-2-E(0-1)

Manual Integrations
APPROVED

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