

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101368.D
 Acq On : 13 Dec 2017 9:59
 Operator : SJ/JU
 Sample : I6764-10DL 4X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Manual Integrations
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Quant Time: Dec 13 13:58:07 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	6.82	152	43572	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	145945	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	58514	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	103354	20.00	ng	0.00
75) Chrysene-d12	14.01	240	76309	20.00	ng	0.00
86) Perylene-d12	15.49	264	61527	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	71762	27.22	ng	0.00
7) Phenol-d6	6.46	99	87314	27.27	ng	0.00
23) Nitrobenzene-d5	7.39	82	38191	15.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	16712	23.78	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	88306	20.65	ng	0.00
78) Terphenyl-d14	12.94	244	76784	22.01	ng	0.00
Target Compounds						
48) Acenaphthylene	9.73	152	67085	10.722	ng	98
70) Phenanthrene	11.38	178	174388	30.639	ng	98
71) Anthracene	11.43	178	56558	9.818	ng	96
72) Carbazole	11.59	167	20536	3.902	ng	98
74) Fluoranthene	12.58	202	443170	70.243	ng	95
77) Pyrene	12.81	202	424282	80.577	ng	99
80) Benzo(a)anthracene	14.00	228	197609	41.014	ng	93
82) Chrysene	14.04	228	192569	43.036	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	9336	2.820	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.99	276	98716	24.815	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	241067m	65.413	ng	
88) Benzo(k)fluoranthene	15.09	252	55695m	15.339	ng	
89) Benzo(a)pyrene	15.43	252	149376m	44.584	ng	
90) Dibenzo(a,h)anthracene	16.98	278	25941	8.783	ng	# 73
91) Benzo(a,h,i)perylene	17.44	276	100016	35.930	ng	# 92

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

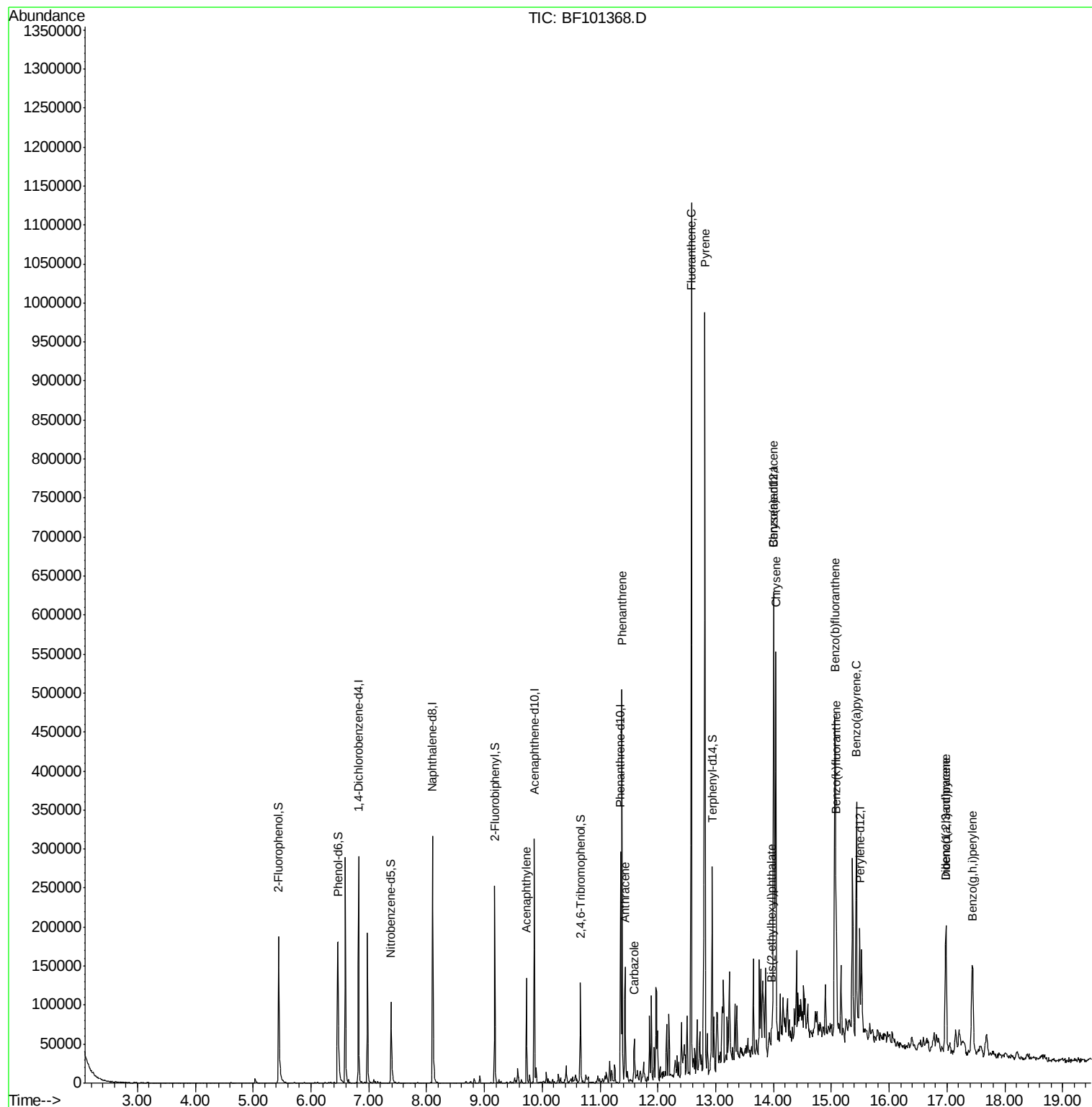
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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ALS Vial : 41 Sample Multiplier: 1

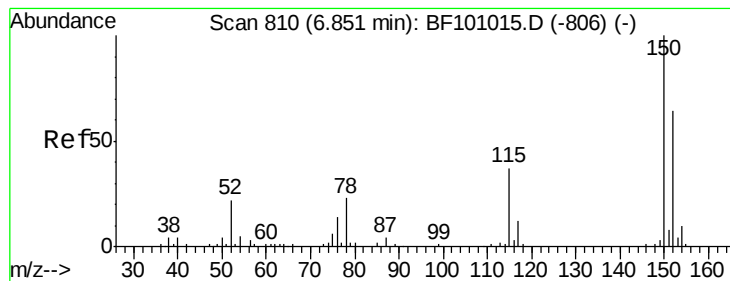
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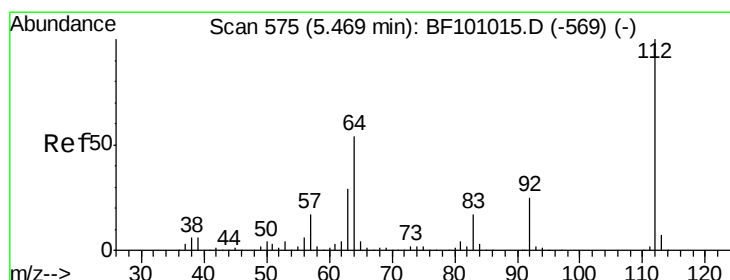
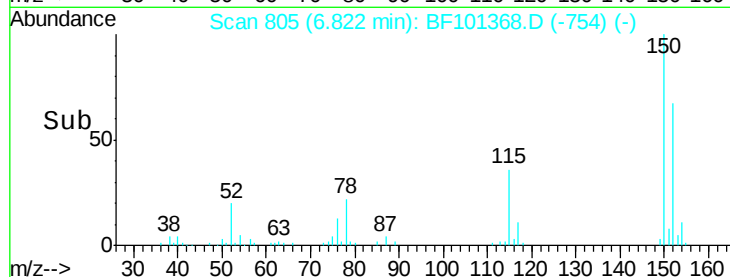
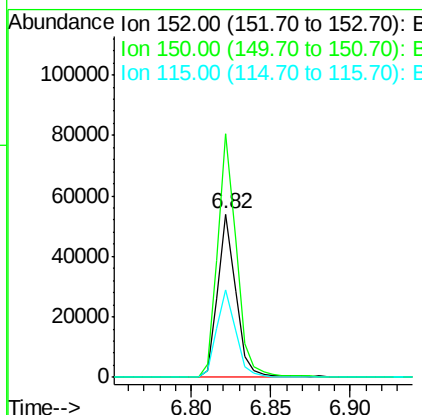
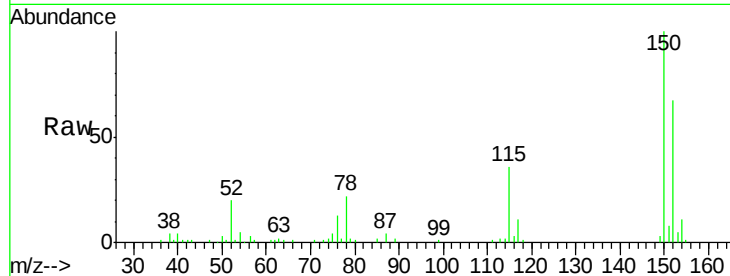
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Instrument :
 BNA_F
 ClientSampleID :
 MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	124.6	186.8
115	53.2	50.1	75.1

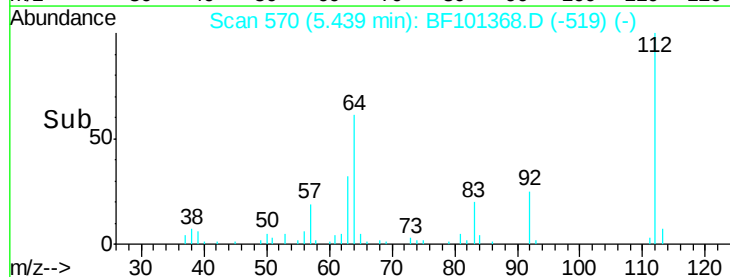
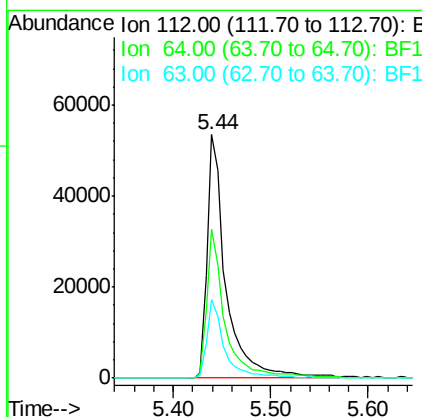
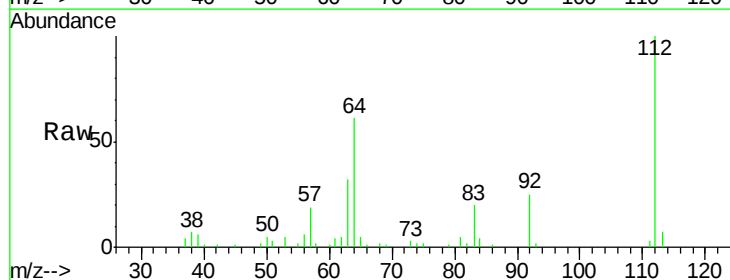
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#5
 2-Fluorophenol
 Concen: 27.215 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 27.274 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Instrument :

BNA_F

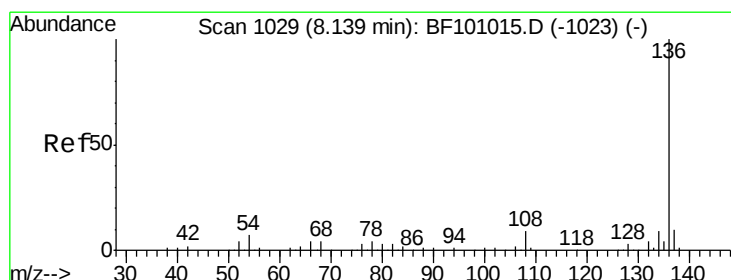
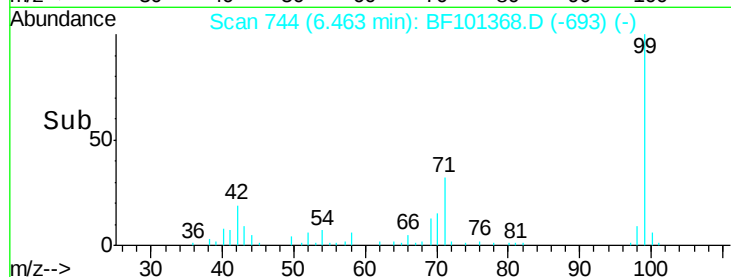
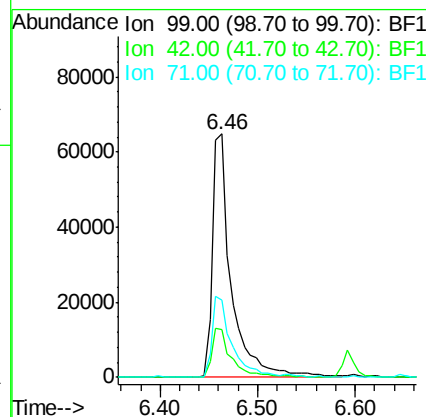
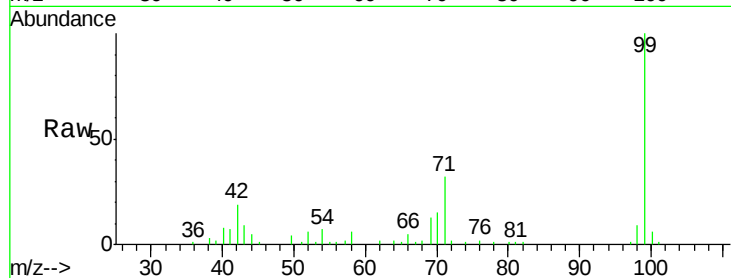
ClientSampleId :

MAP-3-E(4-5)DL

Tot Ion:	99	Resp:	87314
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

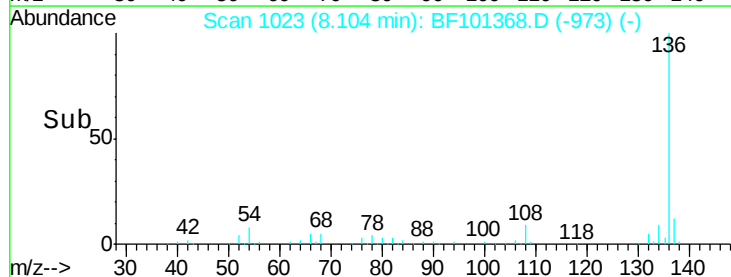
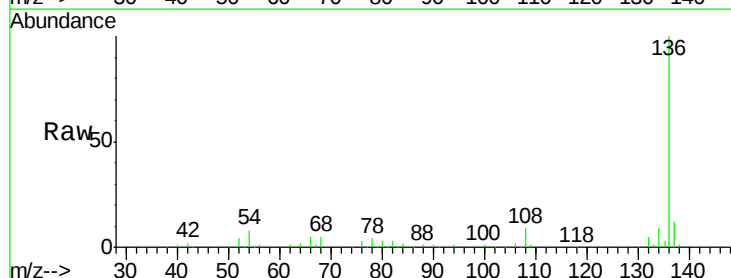
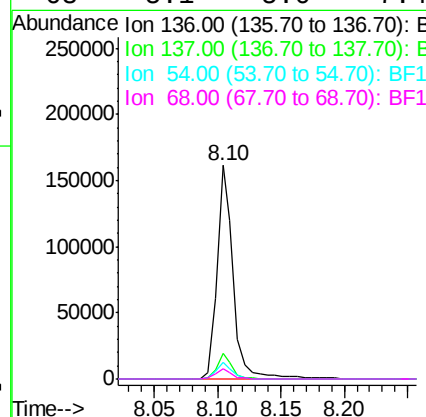
RT: 8.10 min Scan# 1023

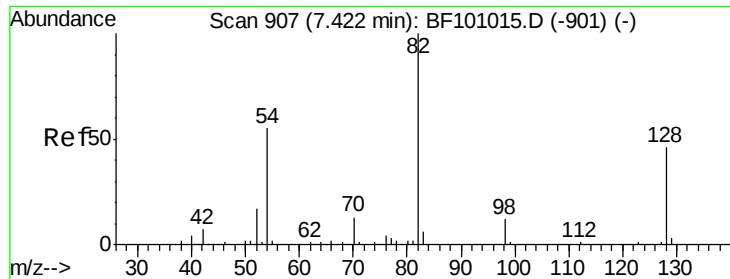
Delta R.T. -0.01 min

Lab File: BF101368.D

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Tgt Ion:	136	Resp:	145945
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.9	13.3
54	7.6	6.6	9.8
68	5.1	5.0	7.4





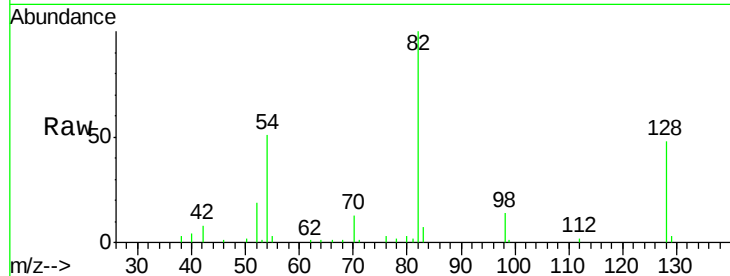
#23
Nitrobenzene-d5
Concen: 15.610 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

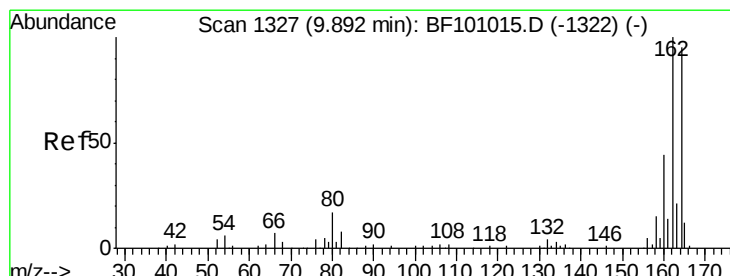
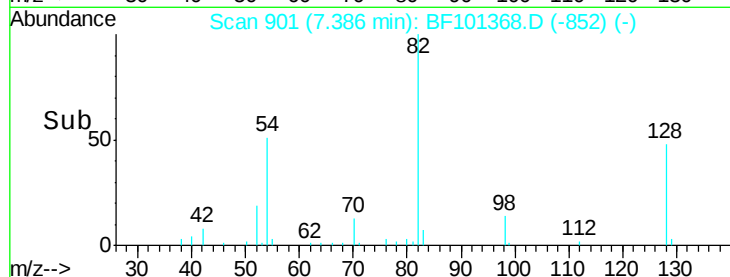
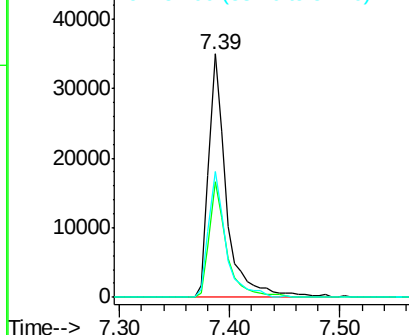
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	51.5	41.4	62.2

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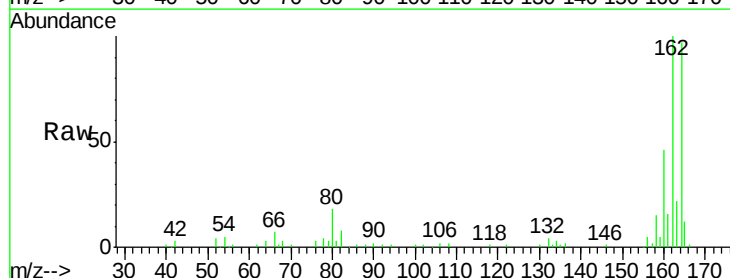


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

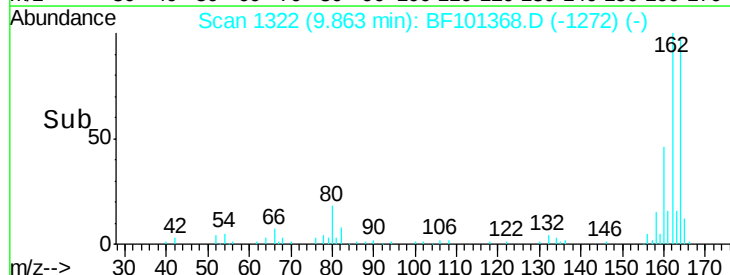
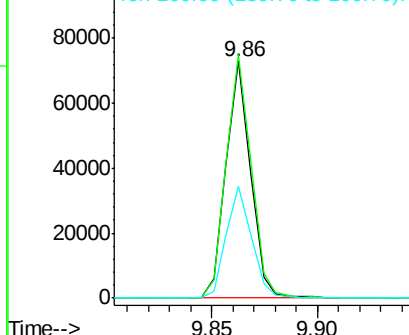


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	46.9	38.3	57.5



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





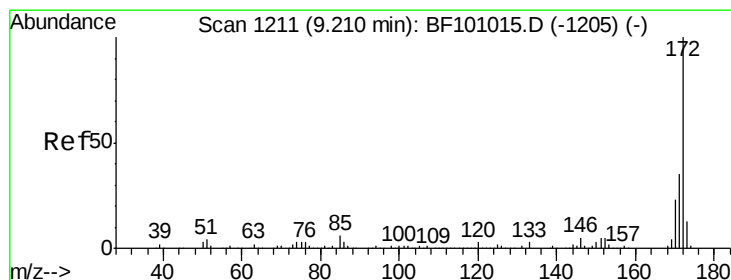
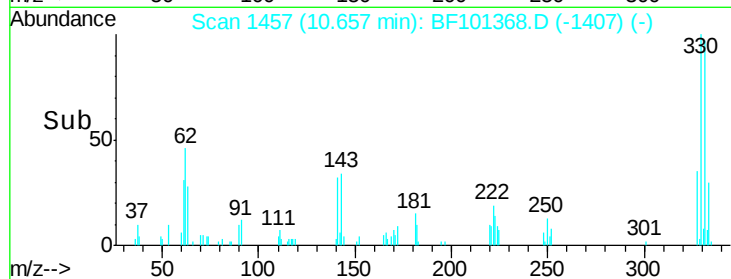
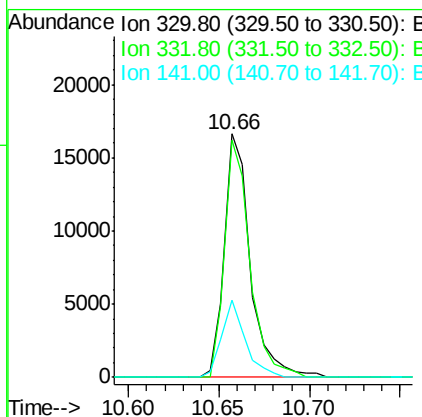
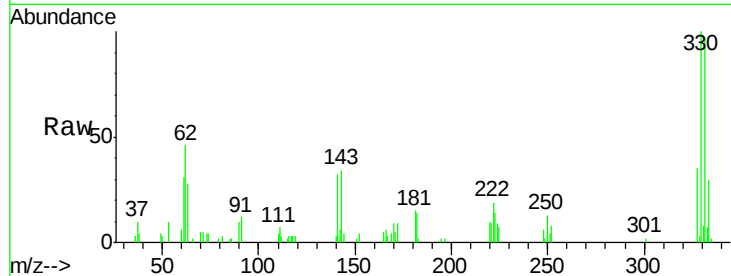
#41
 2,4,6-Tribromophenol
 Concen: 23.775 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	28.4	29.9	44.9#

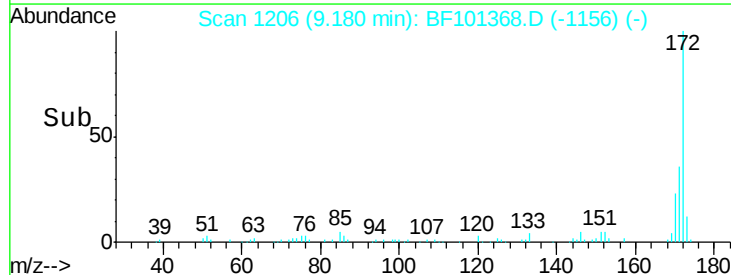
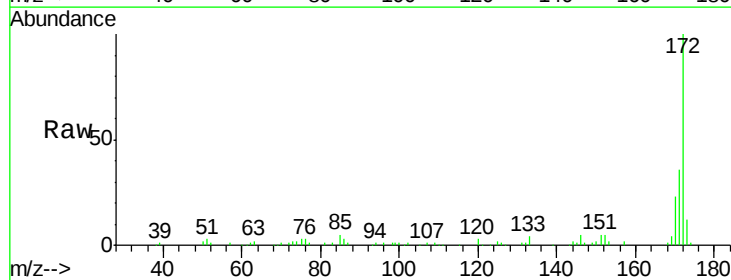
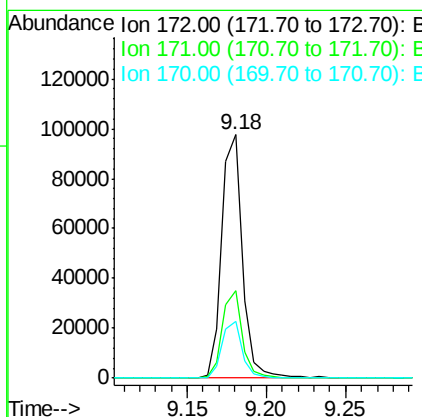
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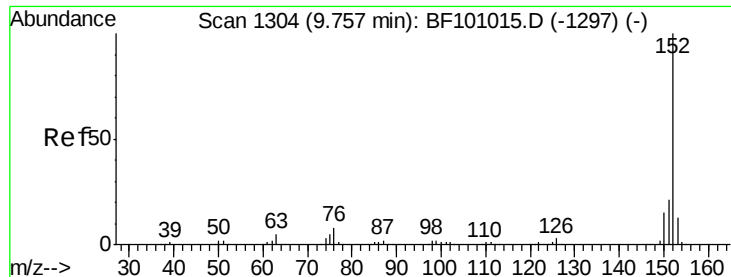
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#44
 2-Fluorobiphenyl
 Concen: 20.648 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.2	19.6	29.4





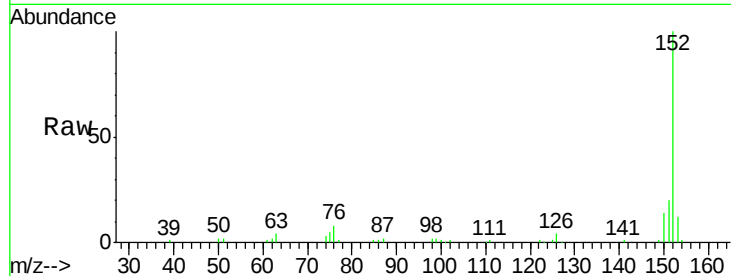
#48
 Acenaphthylene
 Concen: 10.722 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

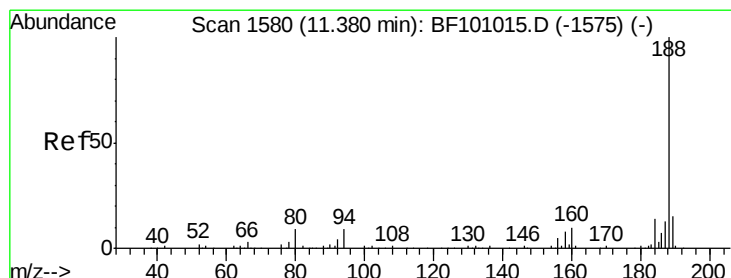
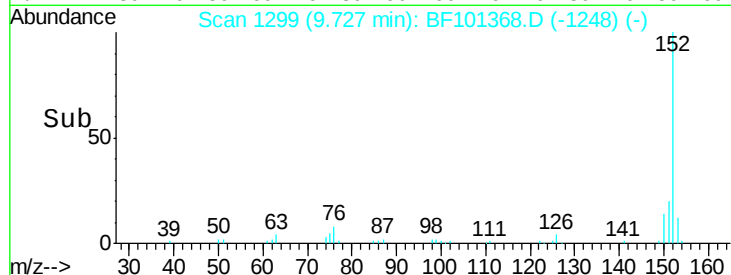
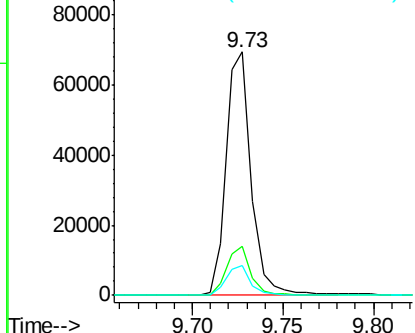
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.3	10.7	16.1

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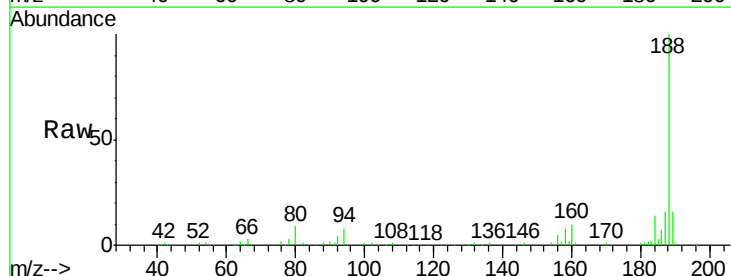


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

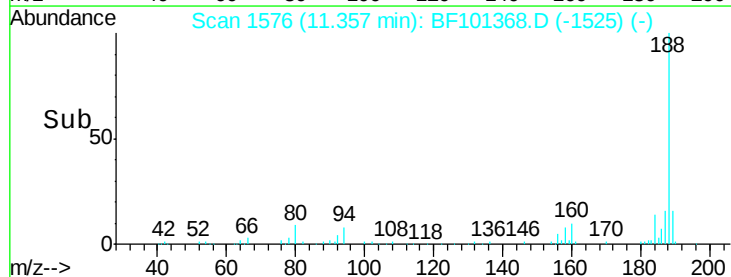
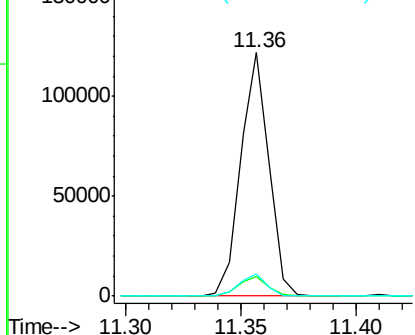


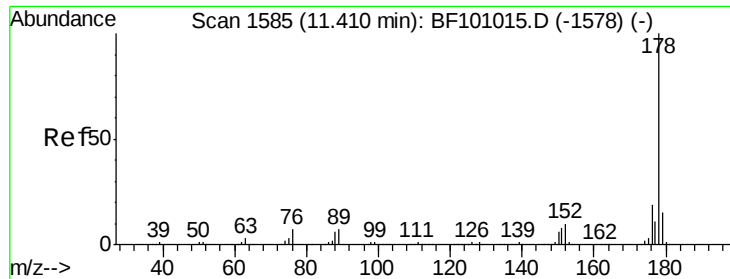
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.9	9.2	13.8#



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





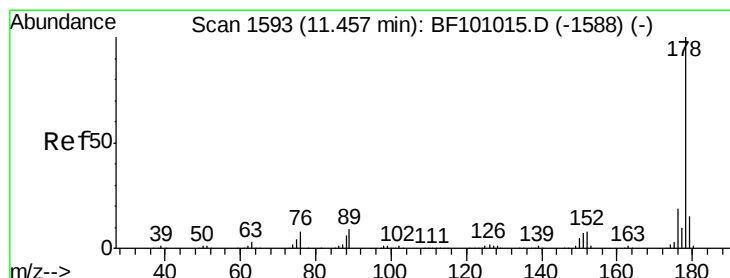
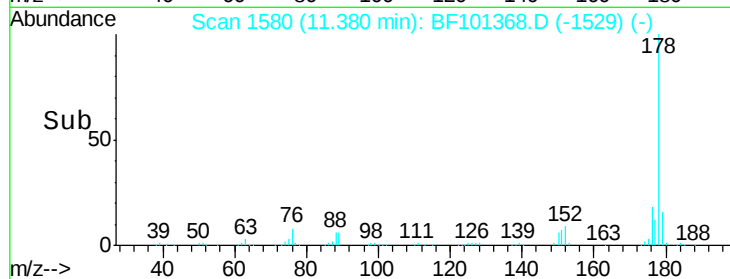
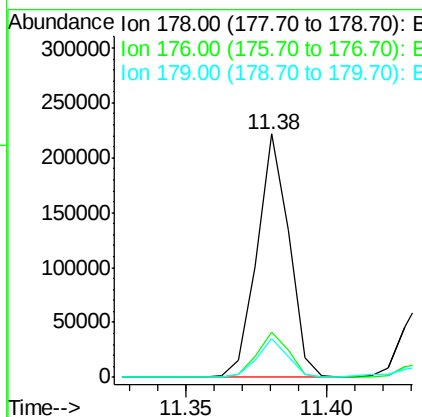
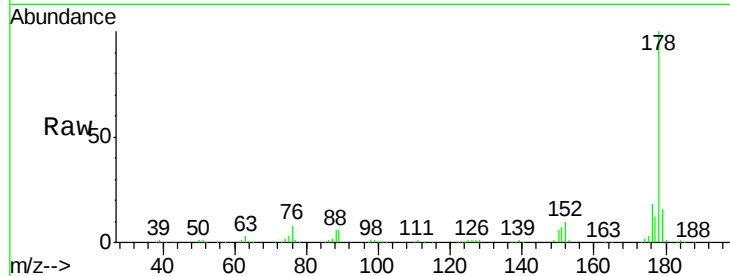
#70
Phenanthrene
Concen: 30.639 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Instrument :
BNA_F
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MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.9	13.0	19.6

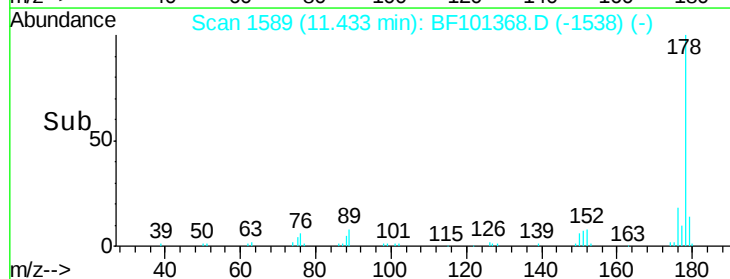
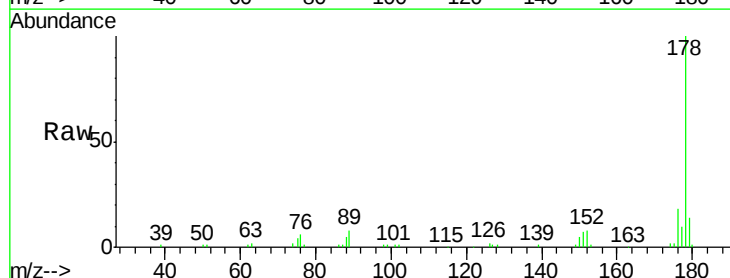
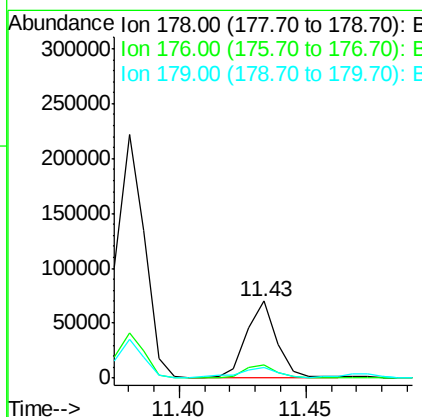
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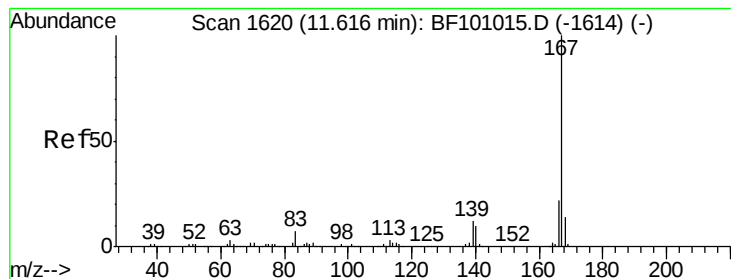
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#71
Anthracene
Concen: 9.818 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	14.3	12.6	19.0





#72

Carbazole

Concen: 3.902 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Instrument :

BNA_F

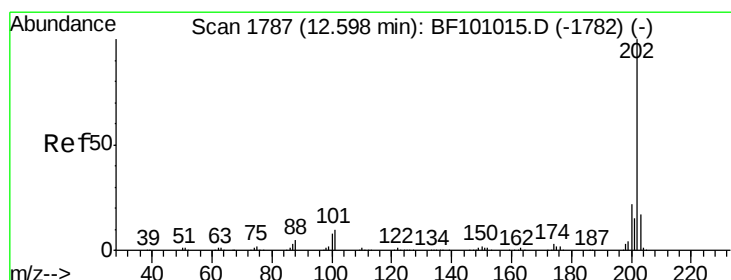
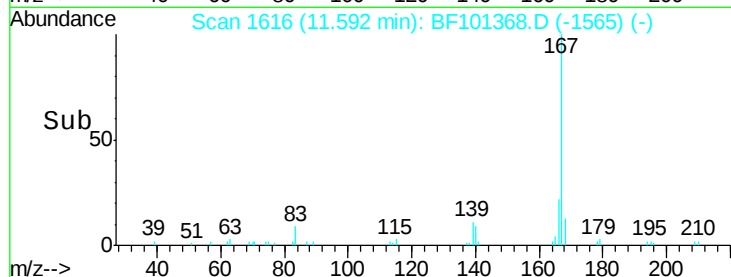
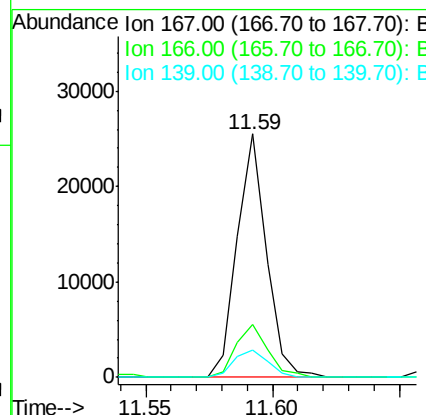
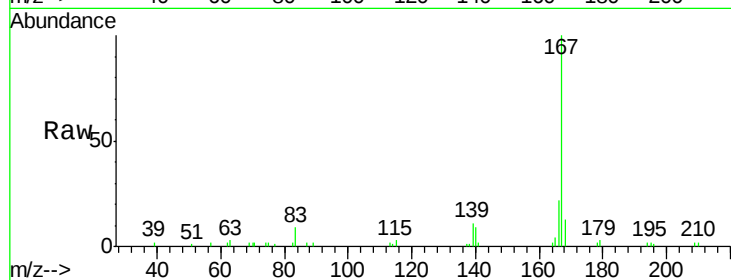
ClientSampleId :

MAP-3-E(4-5)DL

Tot Ion:	167	Resp:	20536
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.6	26.4
139	11.1	10.9	16.3

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#74

Fluoranthene

Concen: 70.243 ng

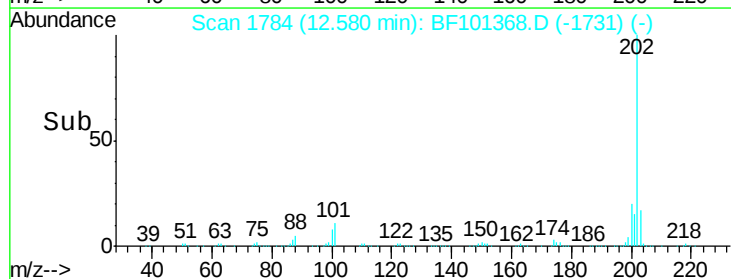
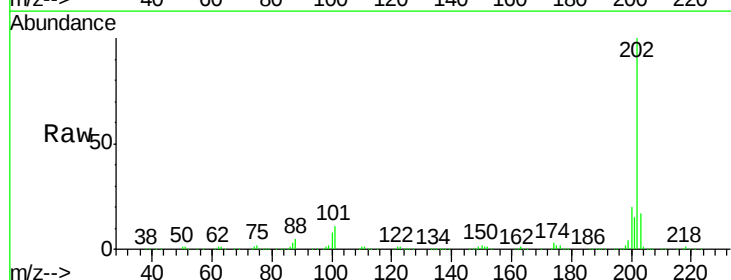
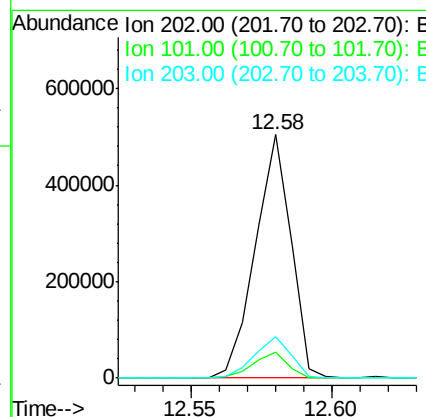
RT: 12.58 min Scan# 1784

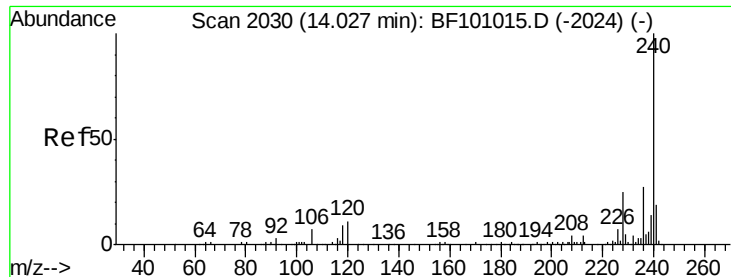
Delta R.T. 0.01 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Tgt Ion:	202	Resp:	443170
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	17.0	0.0	38.1





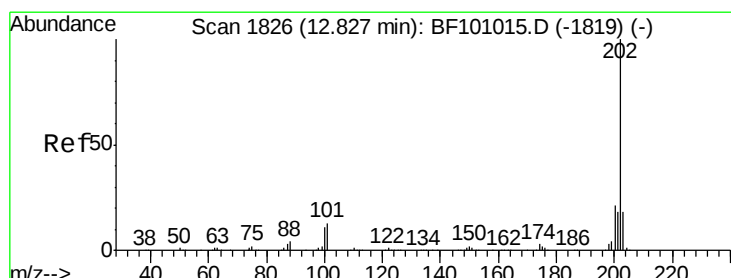
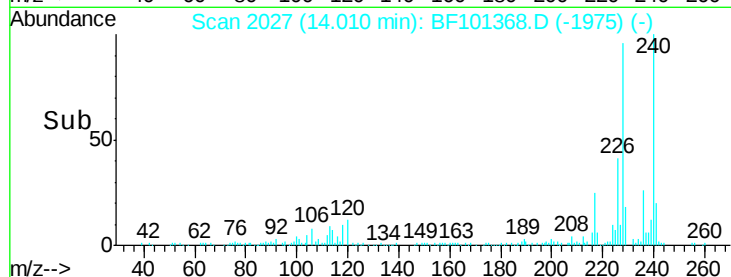
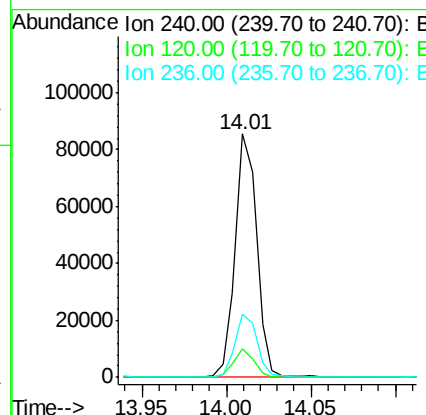
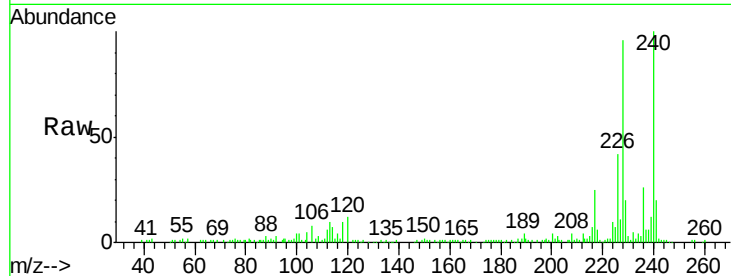
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	25.7	20.7	31.1

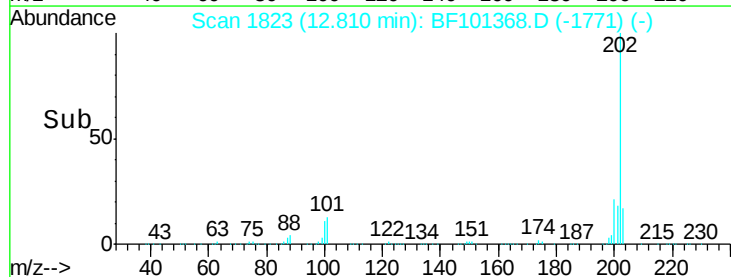
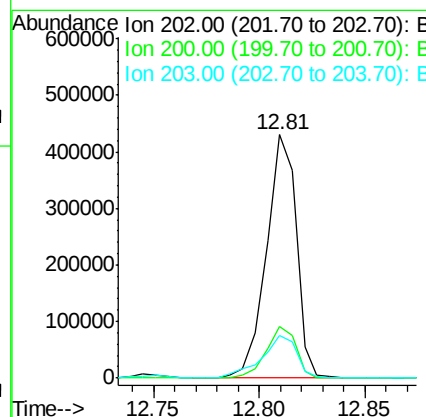
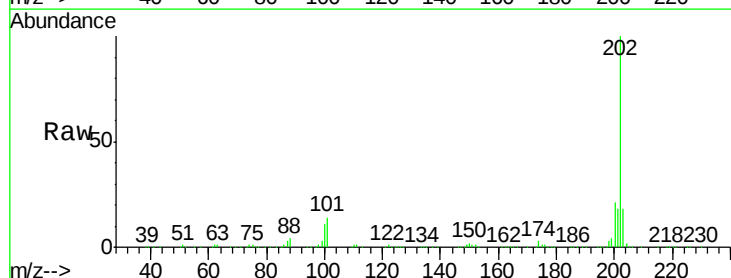
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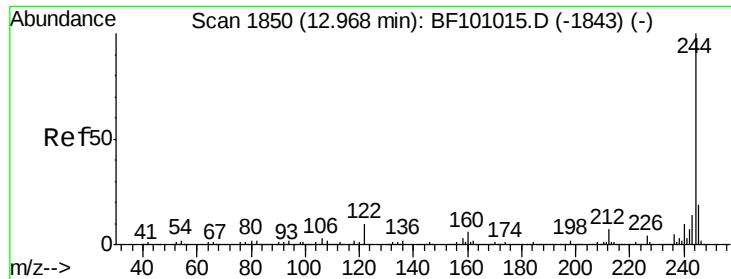
Sohil
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#77
Pyrene
Concen: 80.577 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5





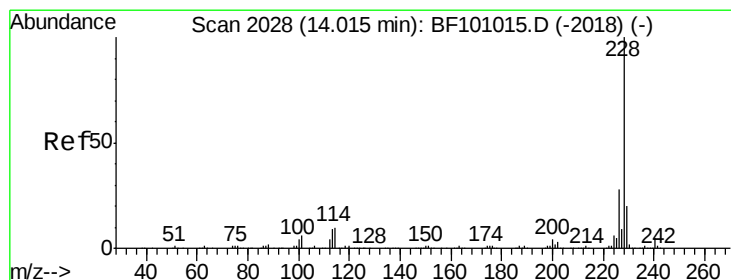
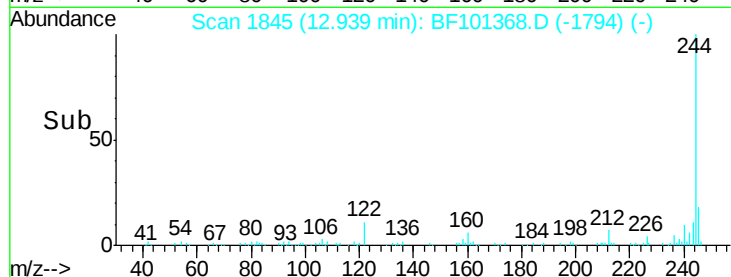
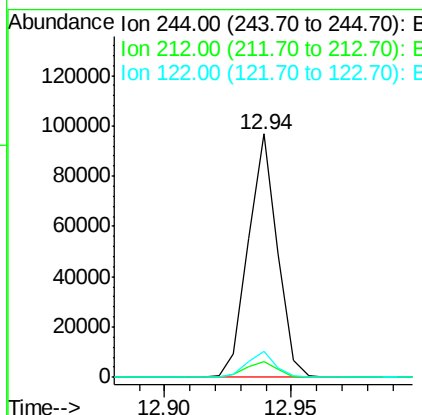
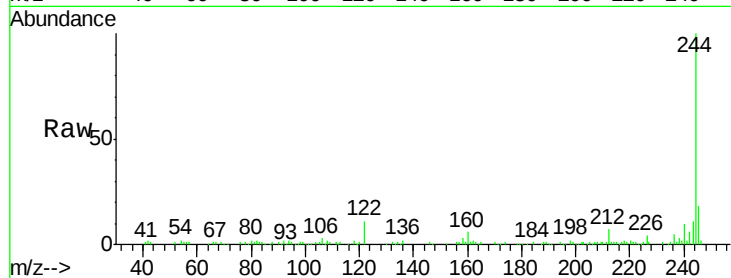
#78
 Terphenyl-d14
 Concen: 22.009 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.8	11.0	16.4

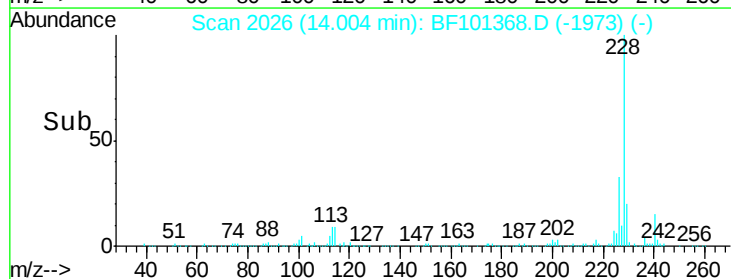
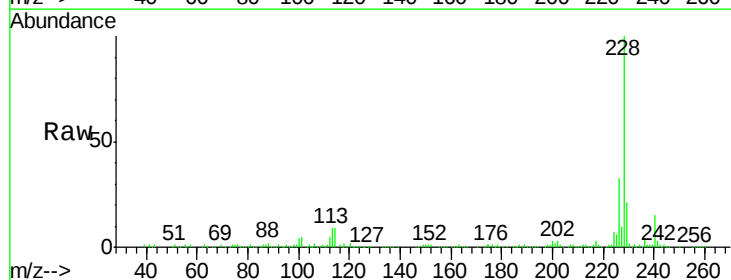
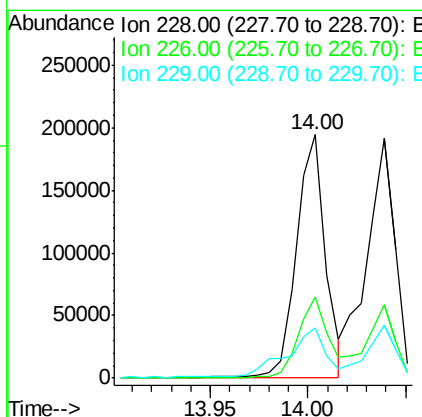
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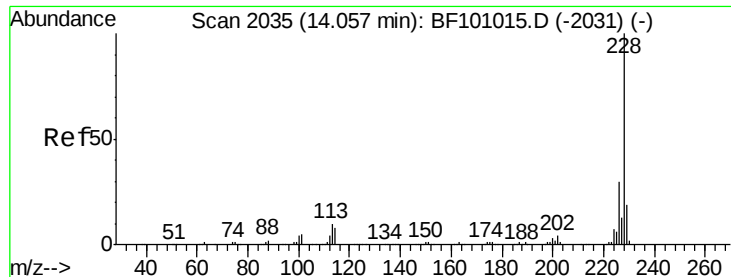
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#80
 Benzo(a)anthracene
 Concen: 41.014 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	20.6	15.8	23.6





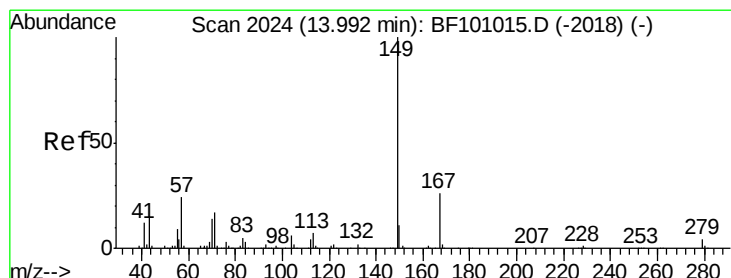
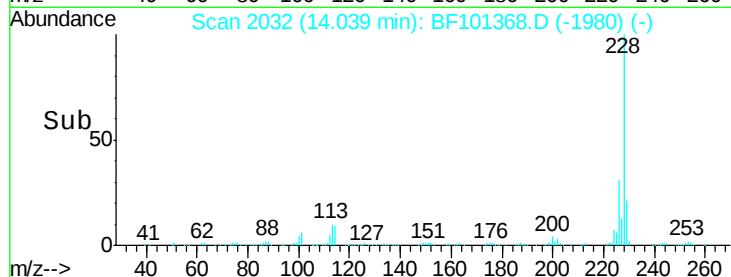
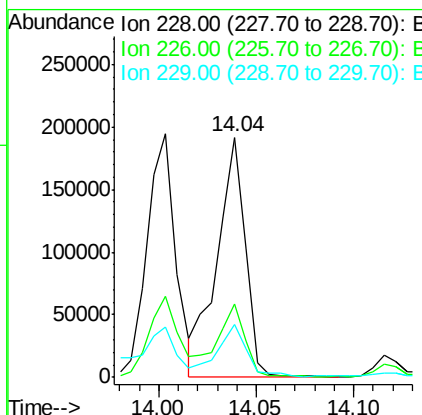
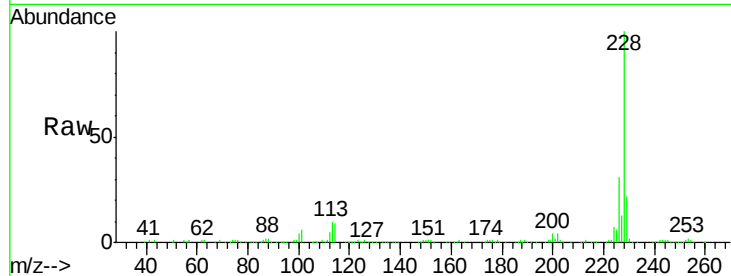
#82
Chrysene
Concen: 43.036 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Instrument :
BNA_F
ClientSampled :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.8	16.2	24.4

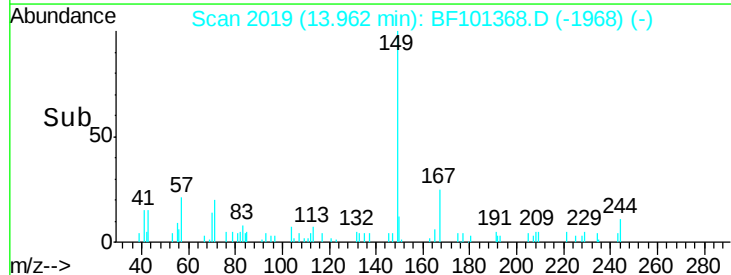
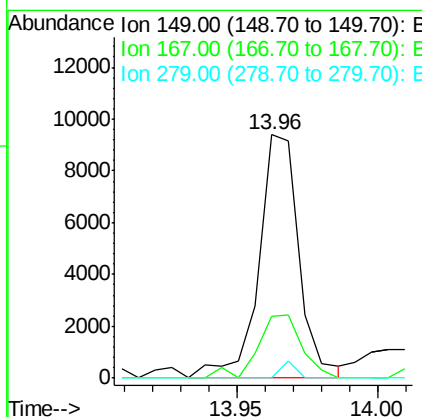
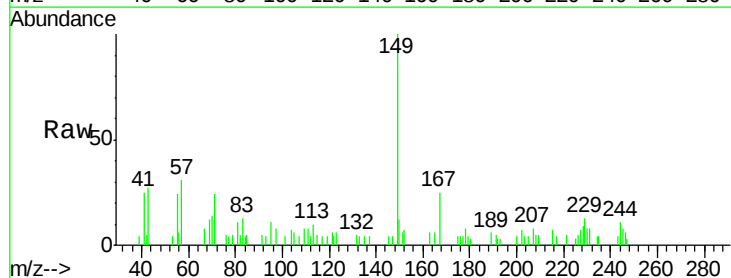
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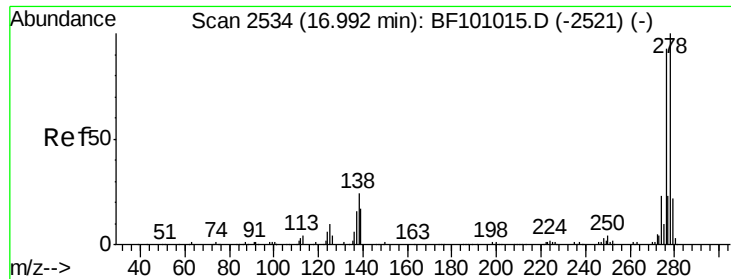
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.820 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.3	31.9
279	0.0	3.0	4.4#





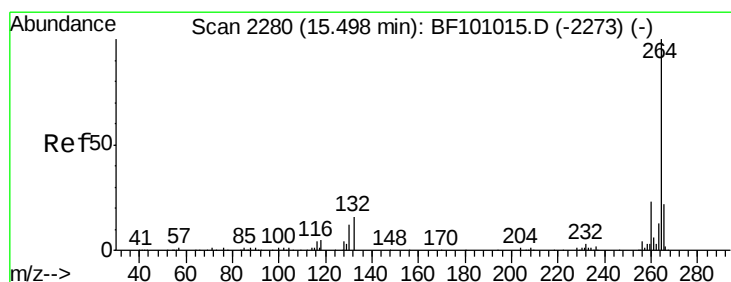
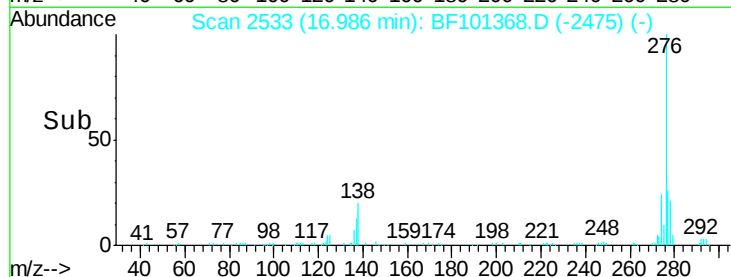
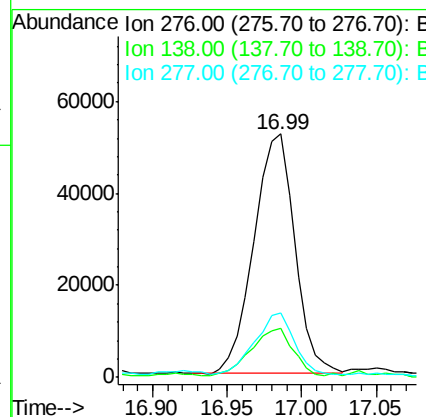
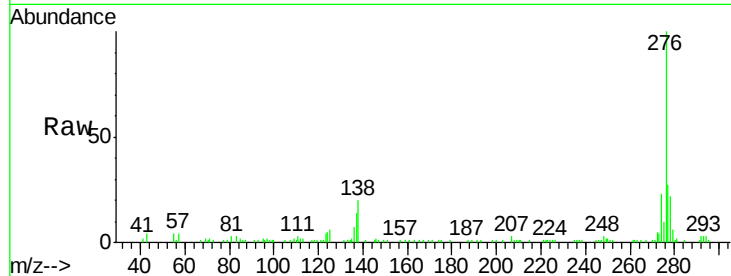
#85
Indeno(1,2,3-cd)pyrene
Concen: 24.815 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.04 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Instrument :
BNA_F
ClientSampled :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	24.9	20.1	30.1

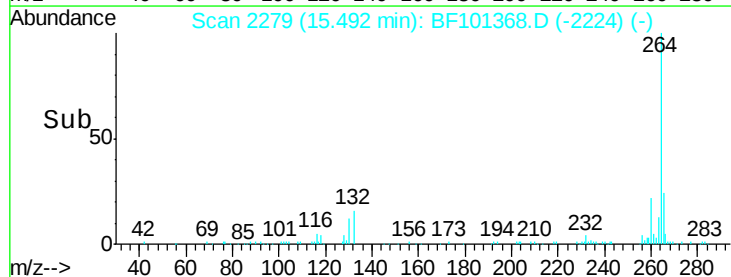
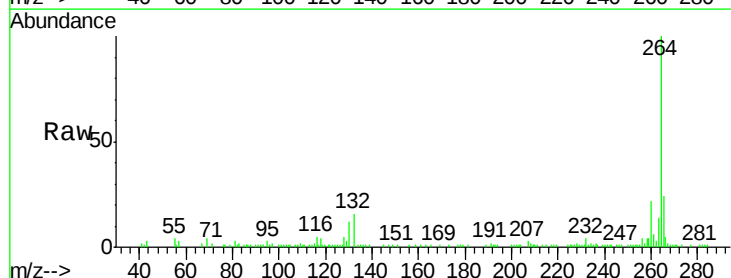
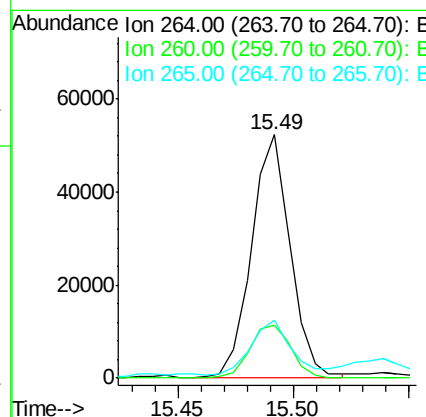
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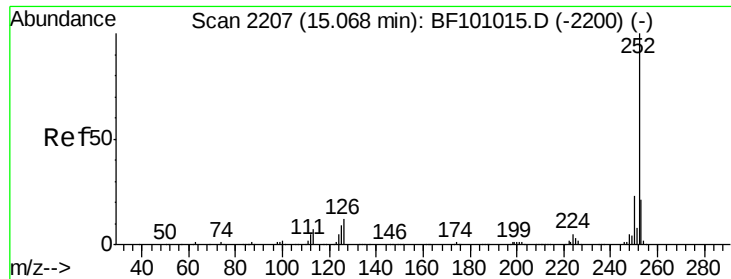
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101368.D
Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.2	28.8
265	23.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 65.413 ng m

RT: 15.06 min Scan# 2206

Delta R.T. 0.02 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Instrument :

BNA_F

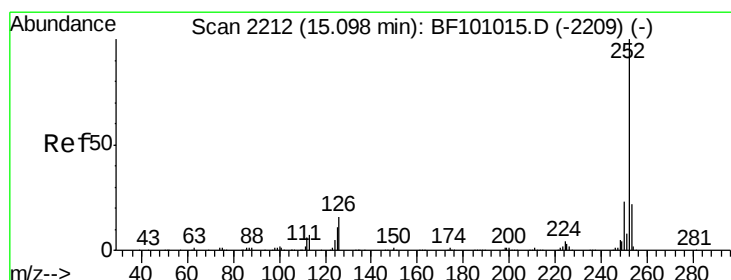
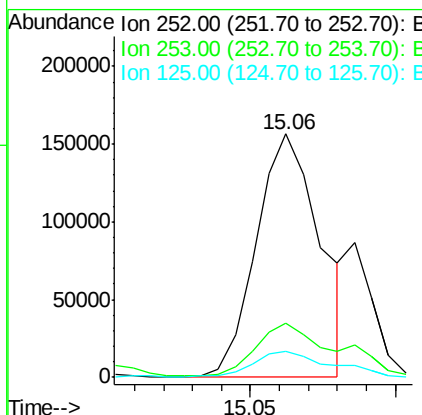
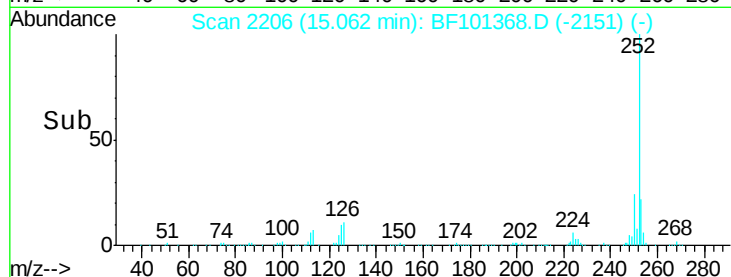
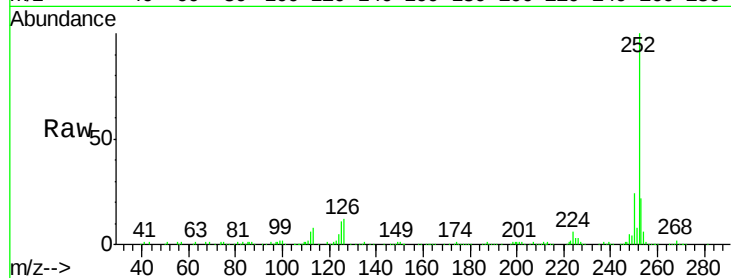
ClientSampleId :

MAP-3-E(4-5)DL

Tot Ion:	252	Resp:	241067
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	10.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 15.339 ng m

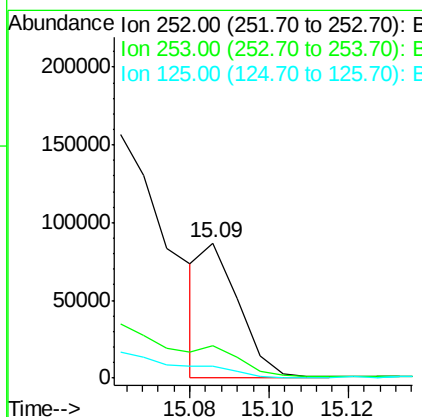
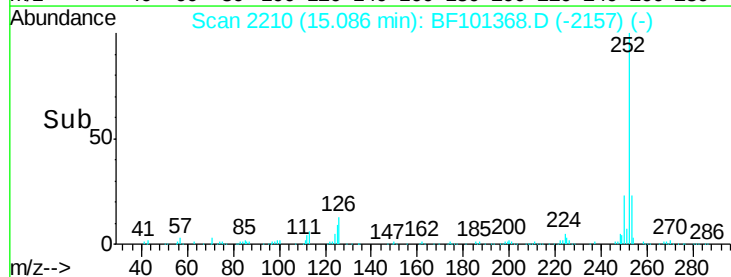
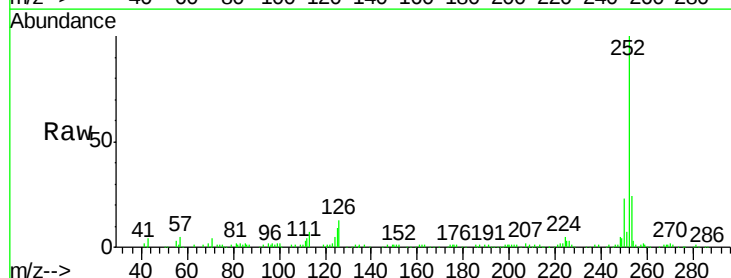
RT: 15.09 min Scan# 2210

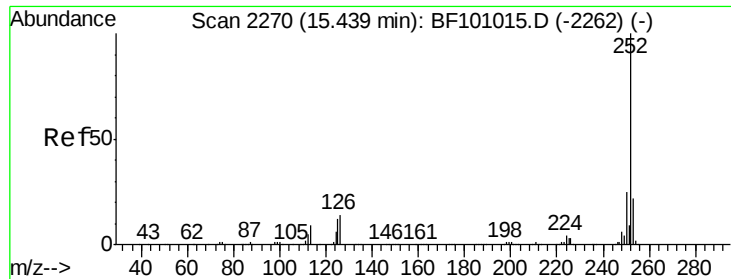
Delta R.T. 0.01 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Tgt Ion:	252	Resp:	55695
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	9.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 44.584 ng/mL

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Instrument :

BNA_F

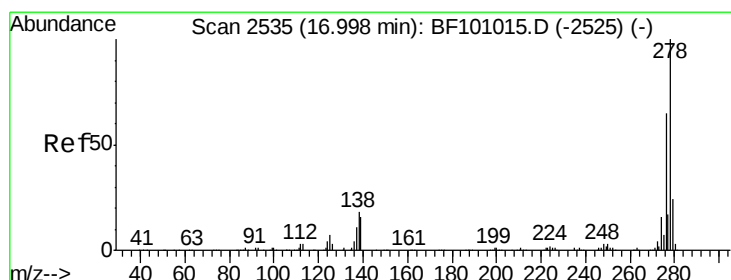
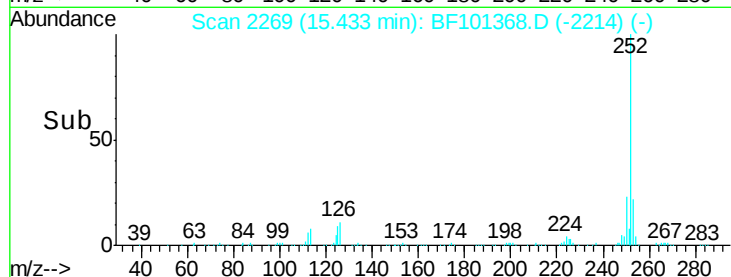
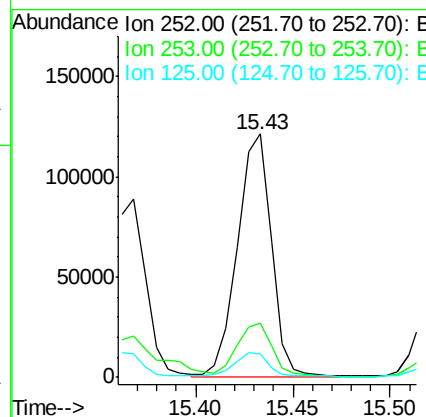
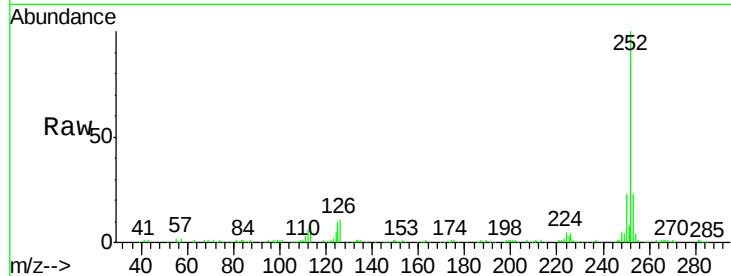
Client Sample ID :

MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	9.6	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 8.783 ng/mL

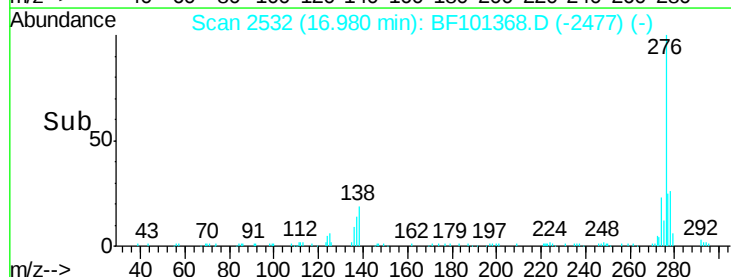
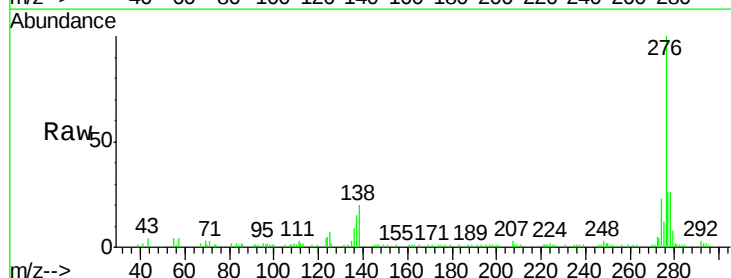
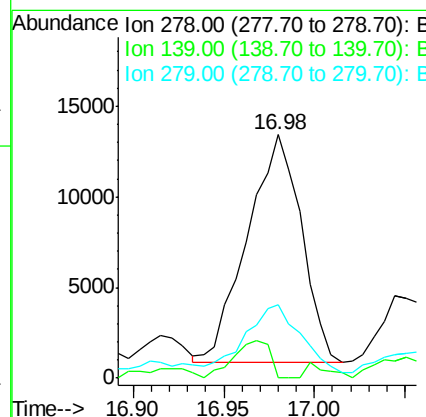
RT: 16.98 min Scan# 2532

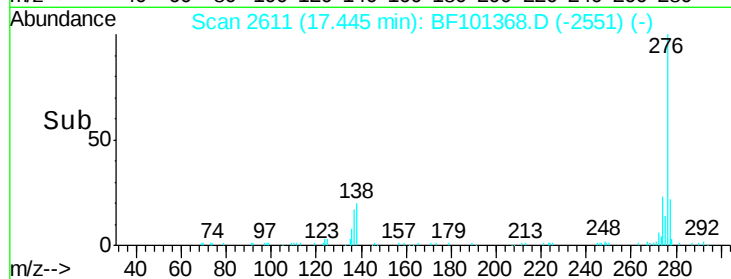
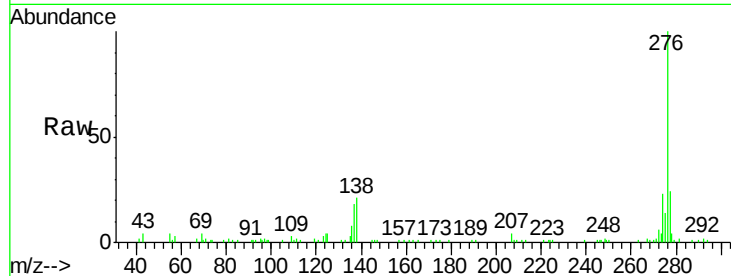
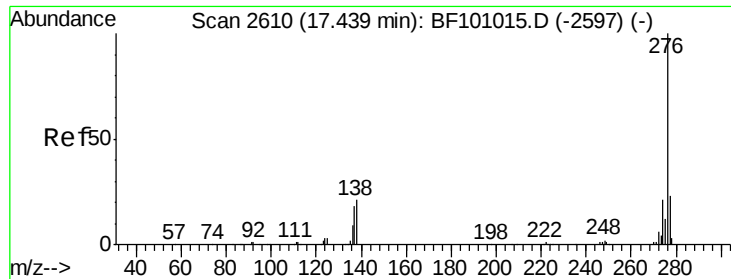
Delta R.T. 0.02 min

Lab File: BF101368.D

Acq: 13 Dec 2017 9:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	29.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 35.930 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.05 min
 Lab File: BF101368.D
 Acq: 13 Dec 2017 9:59

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.8	17.9	26.9		
138	20.7	21.8	32.8		

Manual Integrations
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 12/13/2017 2:08:07 PM

