

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101343.D
 Acq On : 12 Dec 2017 21:20
 Operator : SJ/JU
 Sample : I6822-10 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(13-15)

Manual Integrations
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 12/13/2017 12:07:53 PM

Quant Time: Dec 13 04:04:38 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	42248	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	155965	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	62648	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	106950	20.00	ng	0.00
75) Chrysene-d12	14.00	240	102569	20.00	ng	0.00
86) Perylene-d12	15.48	264	82570	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	71641	28.02	ng	0.00
7) Phenol-d6	6.46	99	87612	28.22	ng	0.00
23) Nitrobenzene-d5	7.39	82	49498	18.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	17488	23.24	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	100137	21.87	ng	-0.01
78) Terphenyl-d14	12.94	244	84062	17.93	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.57	163	10983	2.174	ng	98
70) Phenanthrene	11.38	178	27586	4.684	ng	96
71) Anthracene	11.43	178	13022	2.185	ng	98
74) Fluoranthene	12.57	202	60669	9.293	ng	94
77) Pyrene	12.80	202	64995	9.183	ng	97
80) Benzo(a)anthracene	14.00	228	68810	10.625	ng	100
82) Chrysene	14.03	228	56064	9.322	ng	93
85) Indeno(1,2,3-cd)pyrene	16.97	276	43126	8.065	ng	# 88
87) Benzo(b)fluoranthene	15.05	252	86411m	17.472	ng	
88) Benzo(k)fluoranthene	15.07	252	28747m	5.900	ng	
89) Benzo(a)pyrene	15.42	252	76645m	17.046	ng	
90) Dibenzo(a,h)anthracene	16.96	278	11220	2.831	ng	# 91
91) Benzo(a,h,i)perylene	17.42	276	38729	10.367	ng	# 91

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

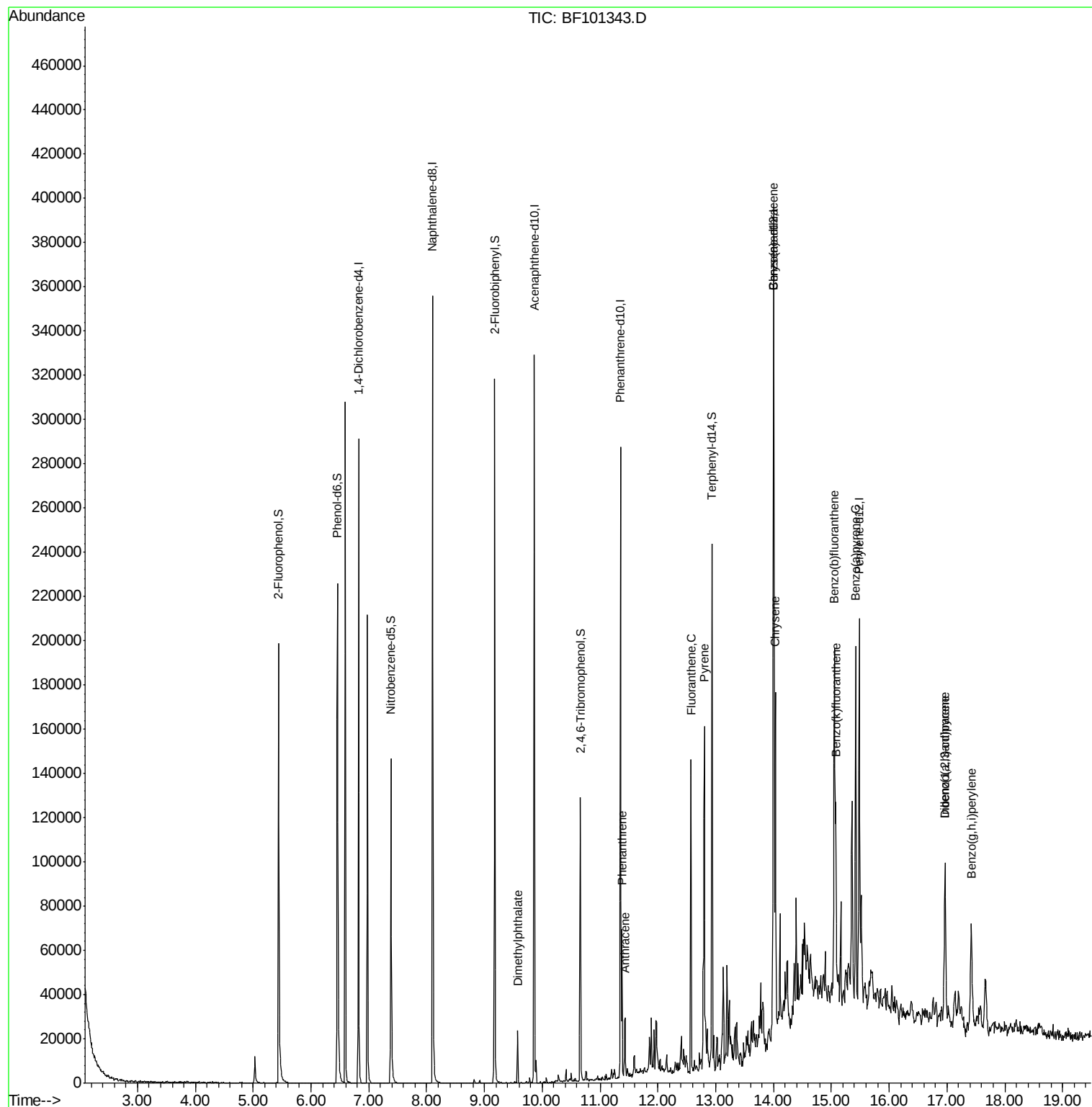
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101343.D
Acq On : 12 Dec 2017 21:20
Operator : SJ/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

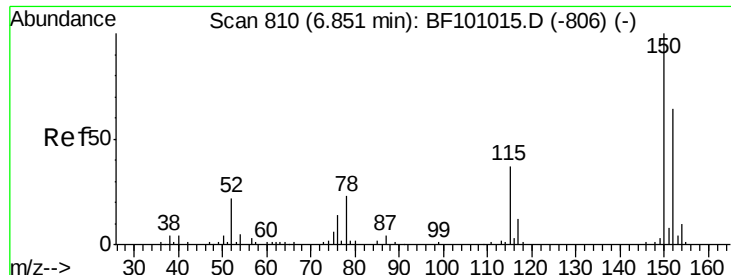
Instrument :
BNA_F
ClientSampled :
SB-9(13-15)

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#1

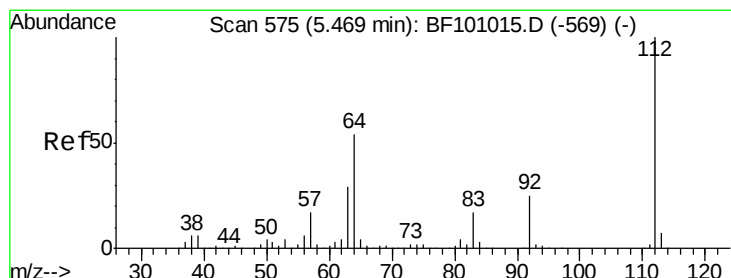
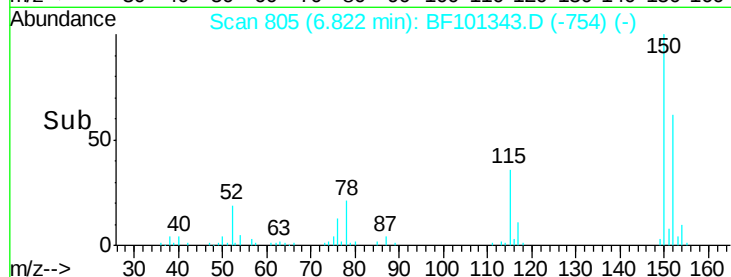
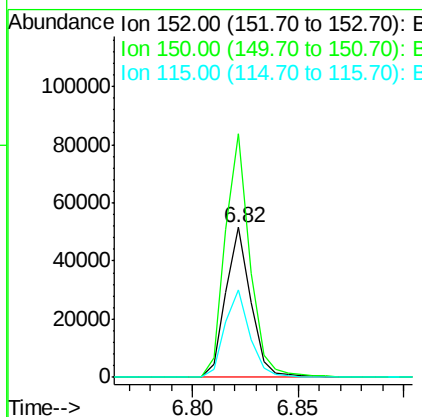
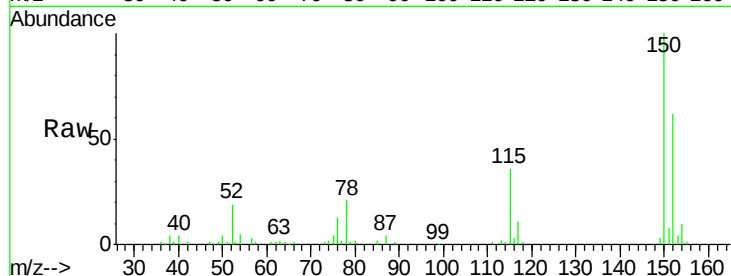
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampled :
SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.6	186.8
115	58.3	50.1	75.1

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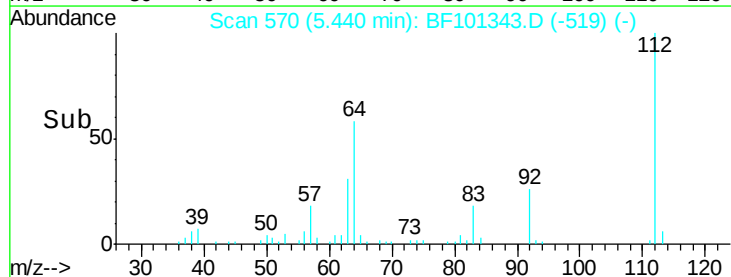
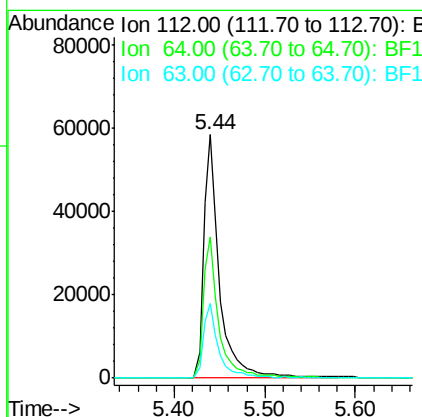
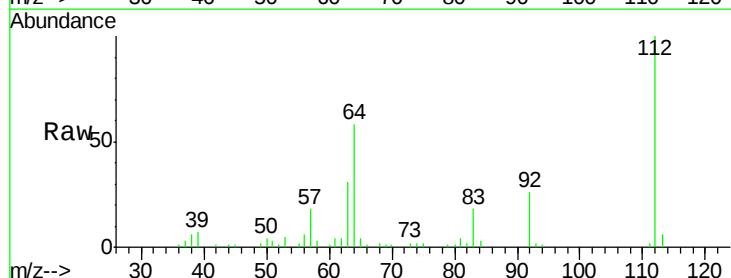
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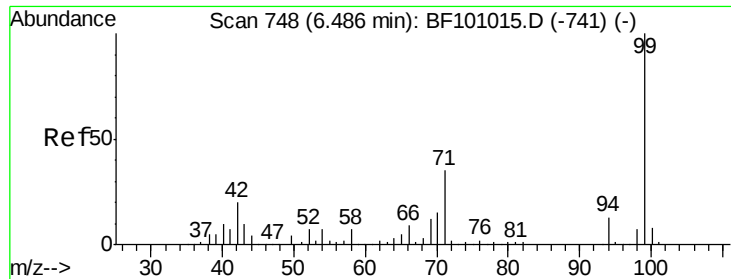


#5

2-Fluorophenol
Concen: 28.021 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 28.225 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

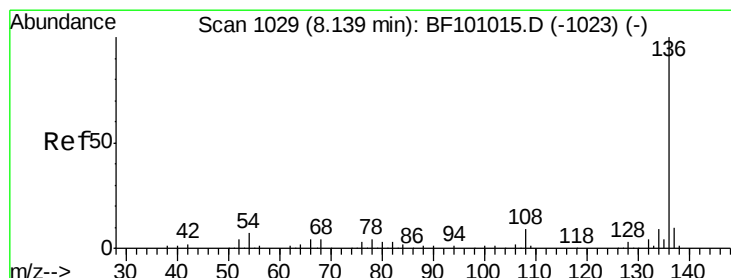
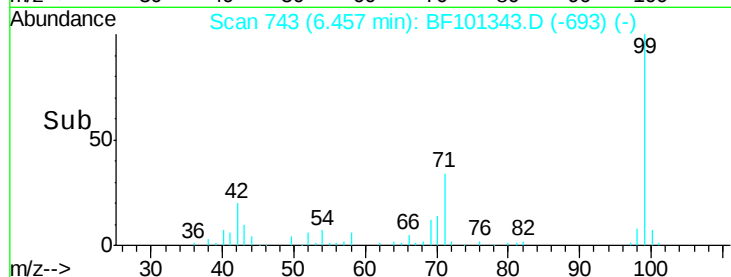
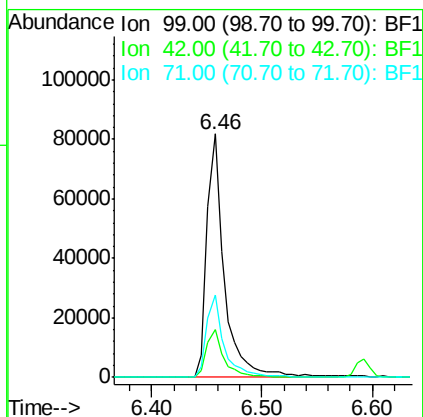
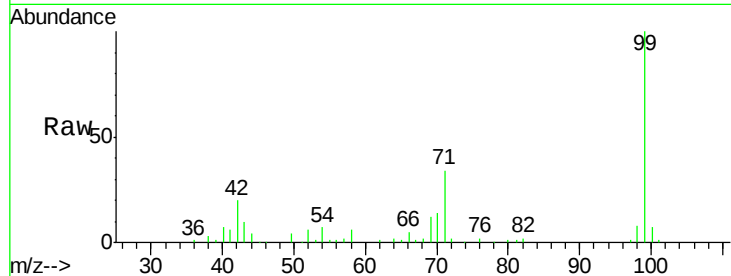
ClientSampled :

SB-9(13-15)

Tot Ion:	99	Resp:	87612
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	33.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

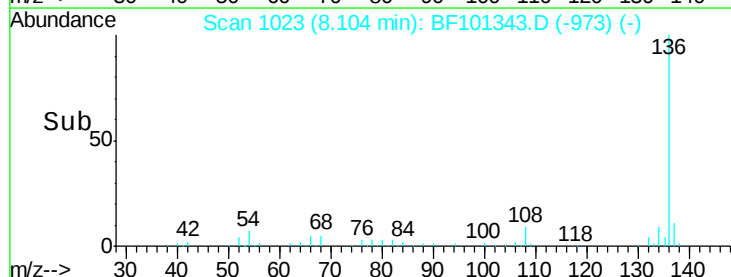
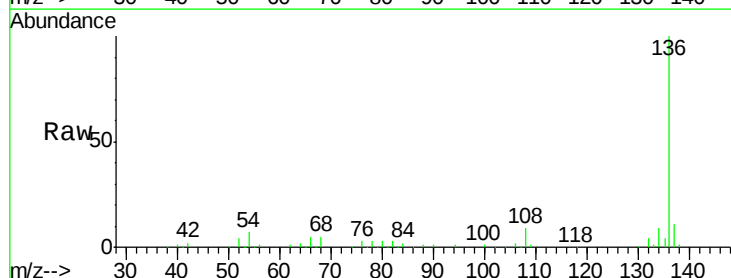
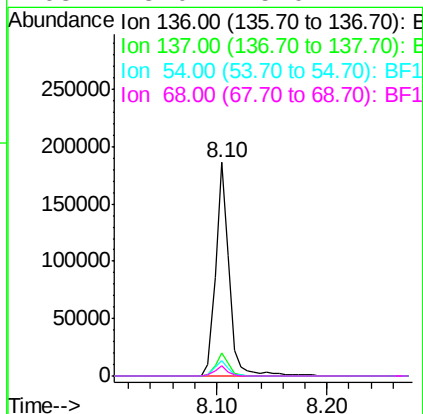
RT: 8.10 min Scan# 1023

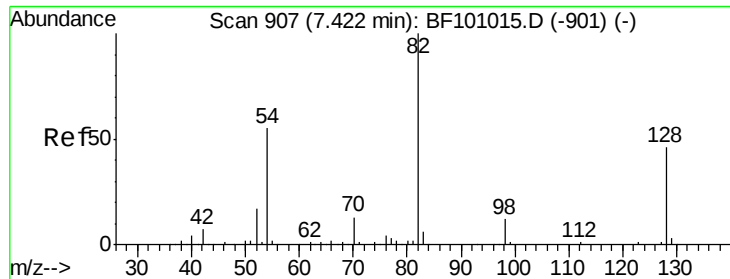
Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion:	136	Resp:	155965
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.0	6.6	9.8
68	5.0	5.0	7.4





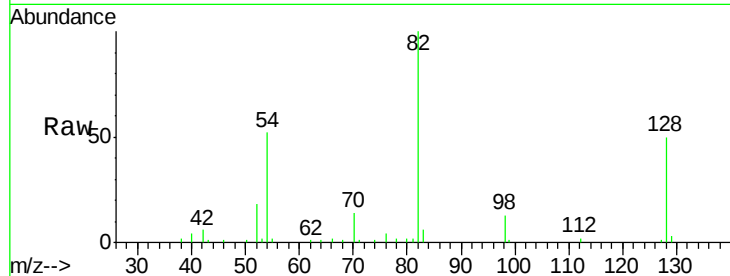
#23
 Nitrobenzene-d5
 Concen: 18.932 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Instrument :
 BNA_F
 ClientSampled :
 SB-9(13-15)

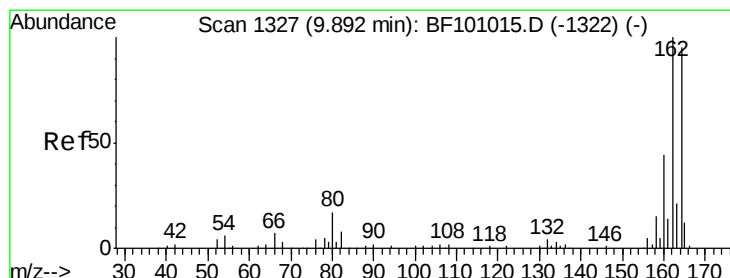
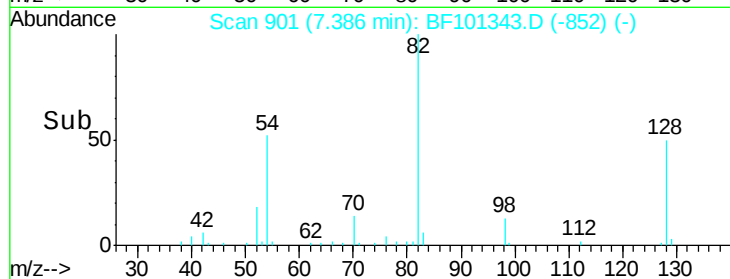
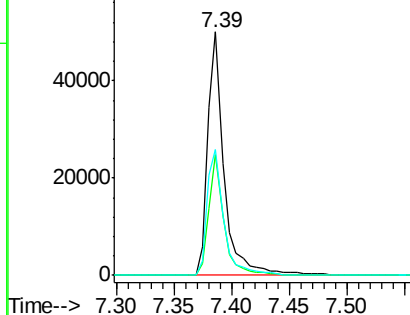
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	51.6	41.4	62.2

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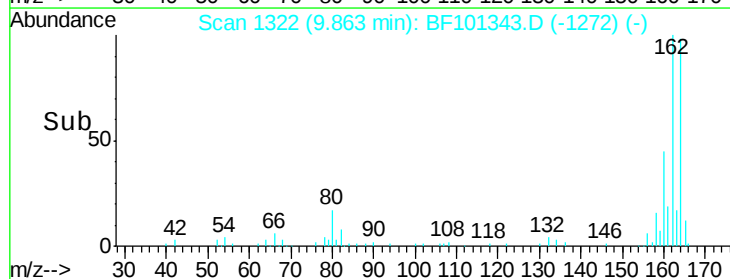
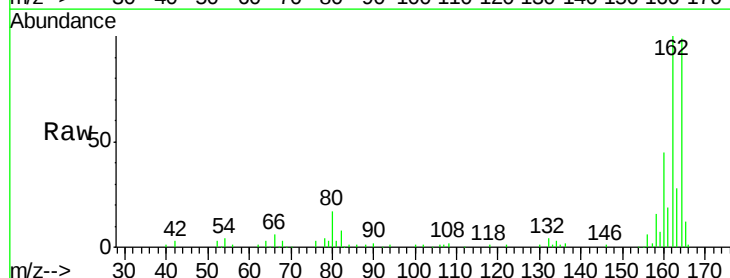
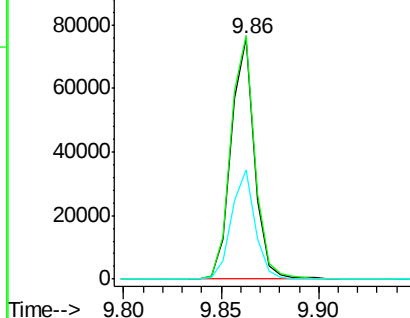
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 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

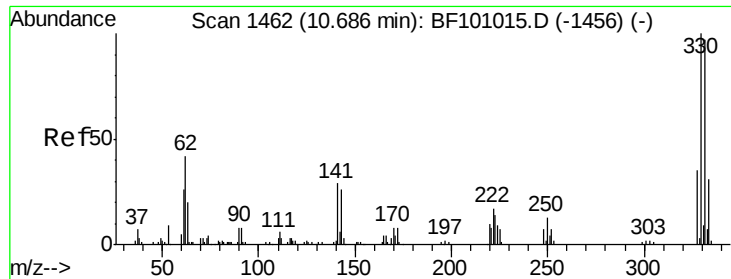


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	86.1	129.1
160	45.1	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 23.237 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

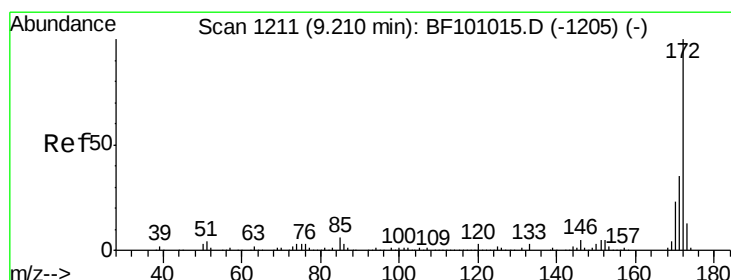
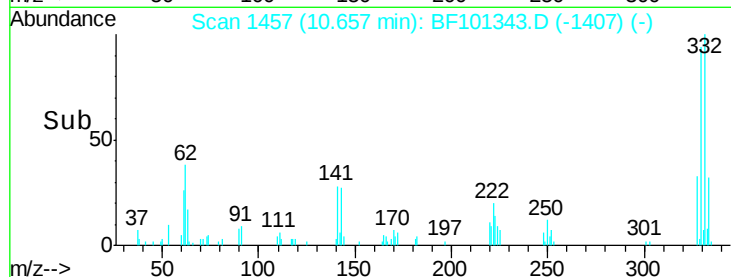
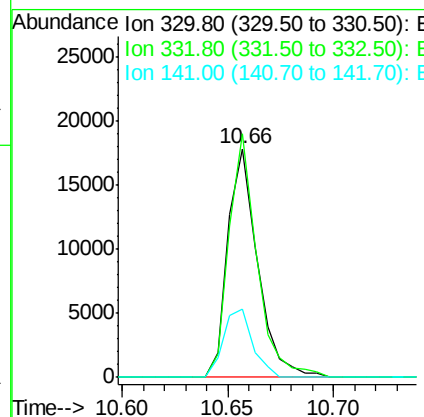
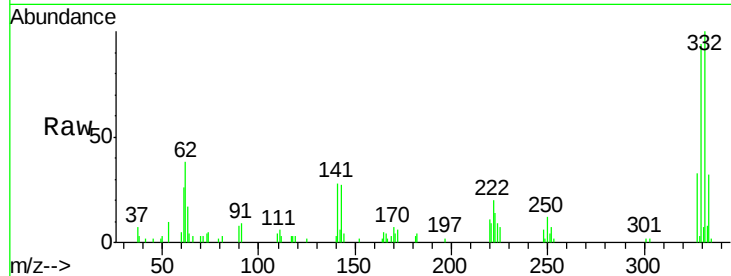
ClientSampleId :

SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.0	77.0	115.6
141	29.1	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 21.869 ng

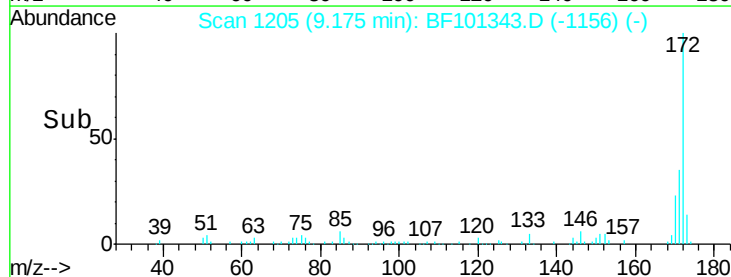
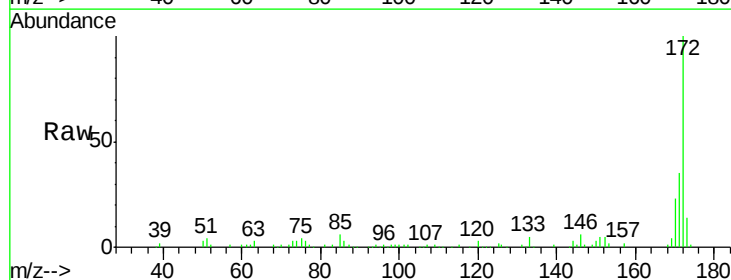
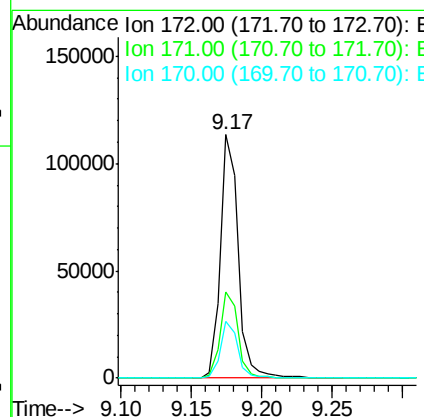
RT: 9.17 min Scan# 1205

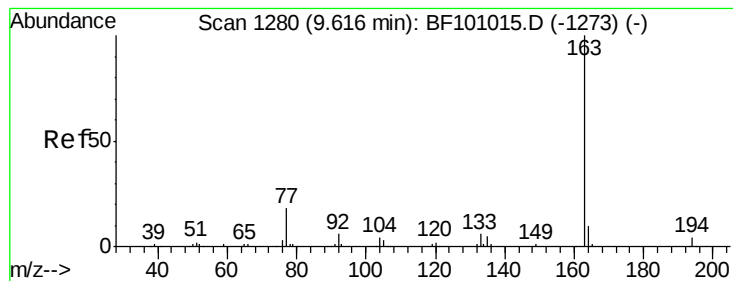
Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4





#49

Dimethylphthalate

Concen: 2.174 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

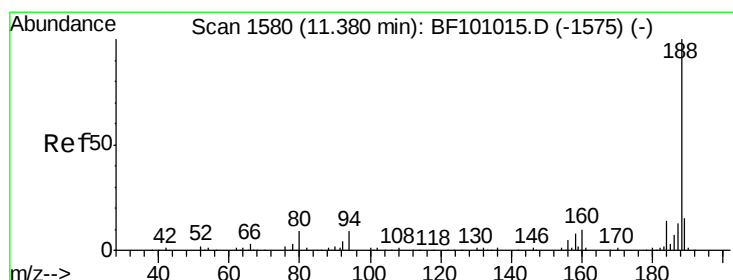
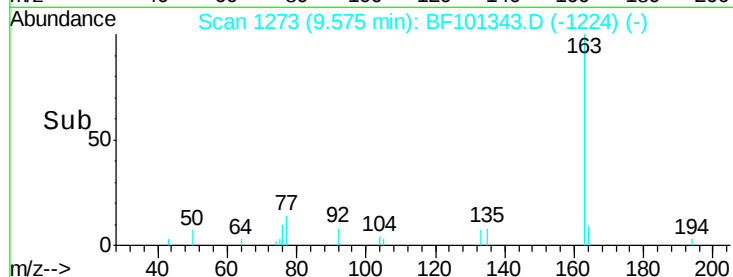
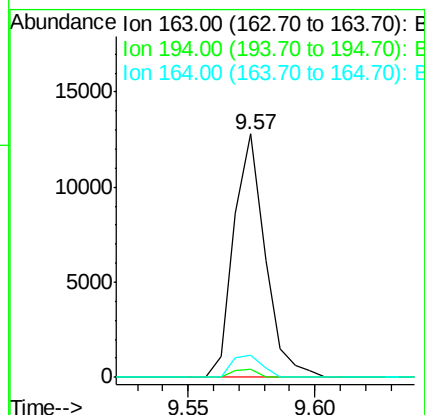
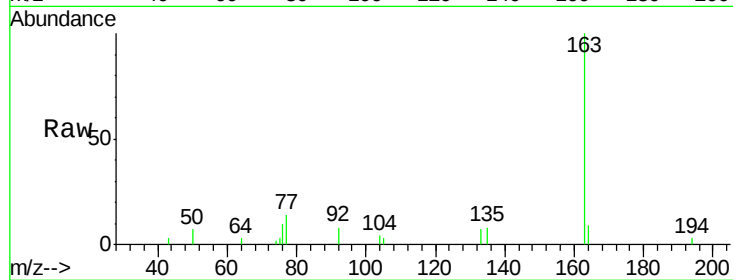
ClientSampled :

SB-9(13-15)

Tot Ion:	163	Resp:	10983
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	9.1	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

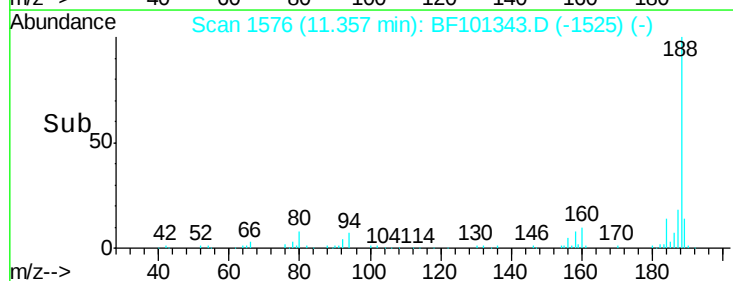
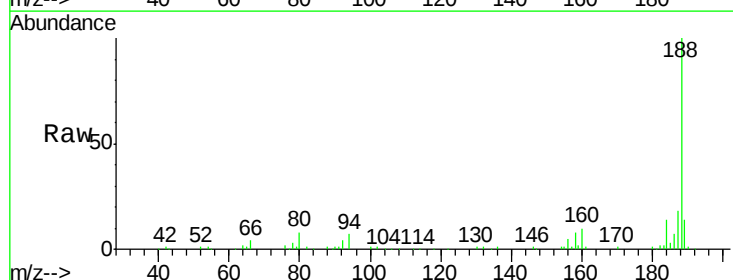
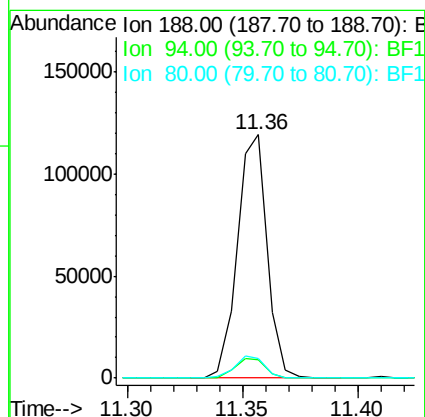
RT: 11.36 min Scan# 1576

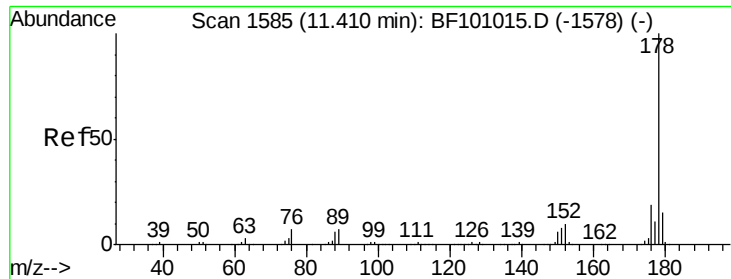
Delta R.T. 0.00 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion:	188	Resp:	106950
Ion Ratio	Lower	Upper	
188	100		
94	7.3	8.5	12.7#
80	8.0	9.2	13.8#





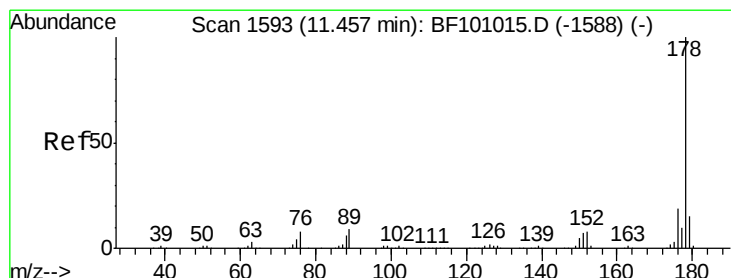
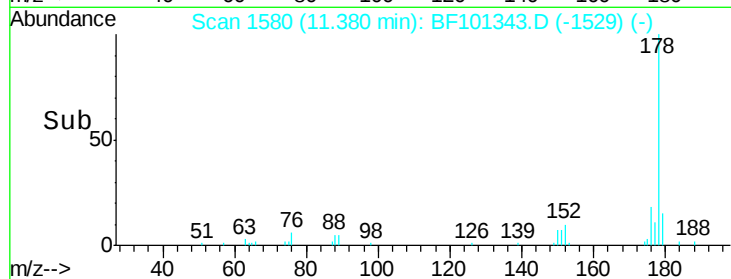
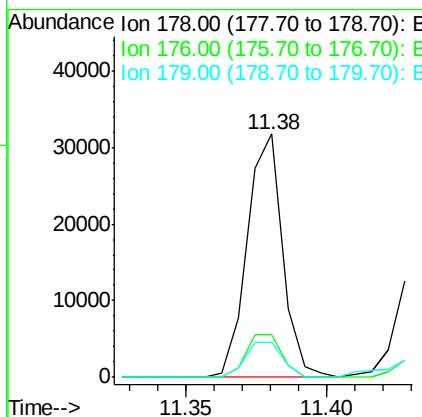
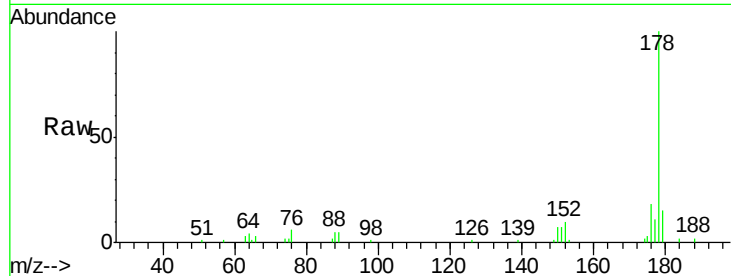
#70
Phenanthrene
Concen: 4.684 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	14.5	13.0	19.6

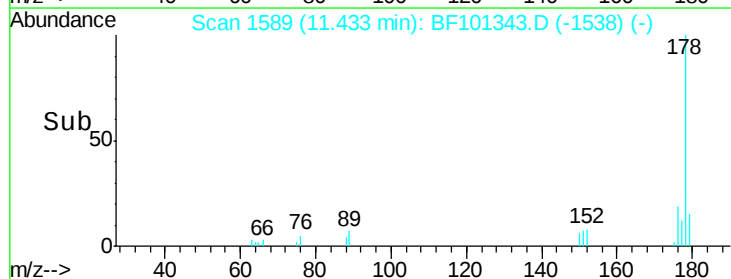
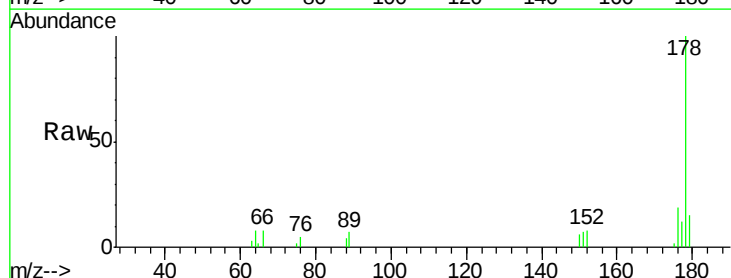
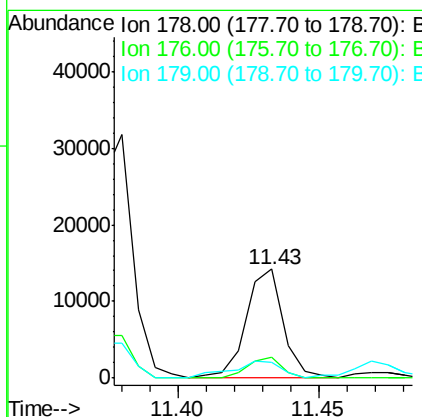
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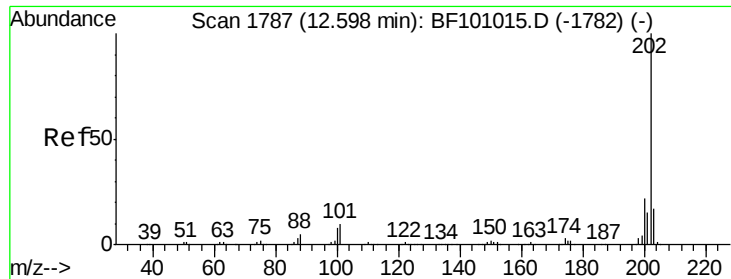
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#71
Anthracene
Concen: 2.185 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.9	12.6	19.0





#74

Fluoranthene

Concen: 9.293 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

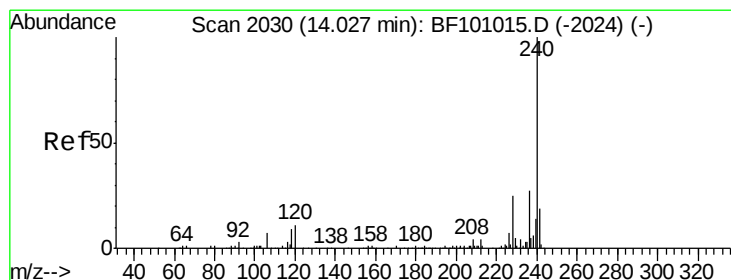
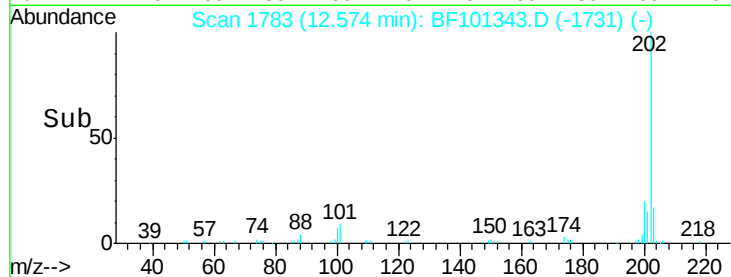
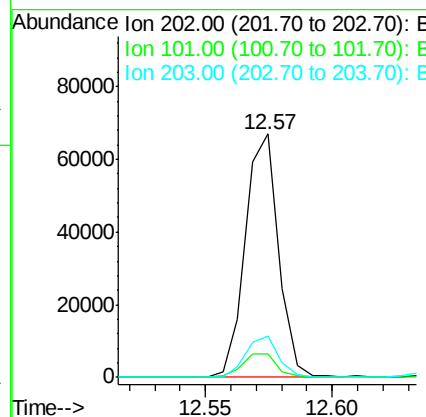
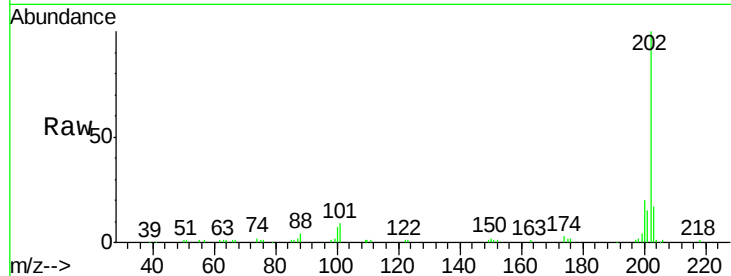
ClientSampleId :

SB-9(13-15)

Tot Ion:	202	Resp:	60669
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.1
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

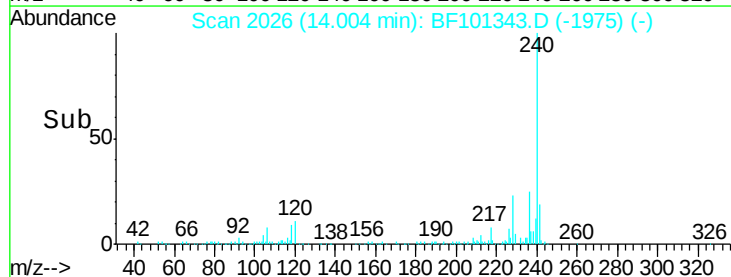
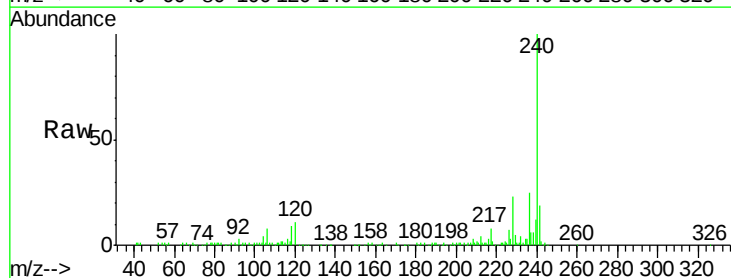
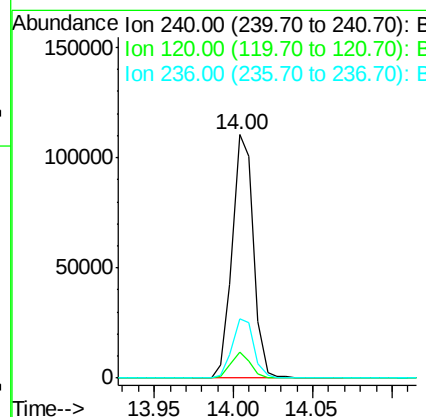
RT: 14.00 min Scan# 2026

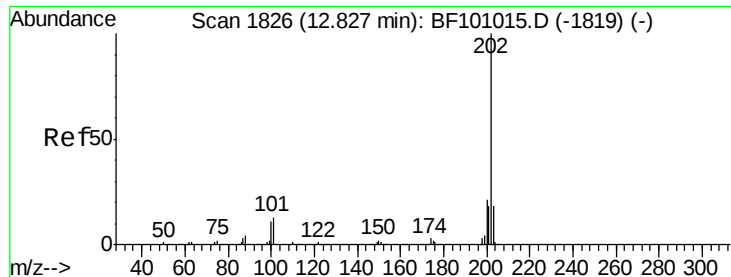
Delta R.T. 0.00 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion:	240	Resp:	102569
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	24.6	20.7	31.1





#77

Pvrene

Concen: 9.183 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

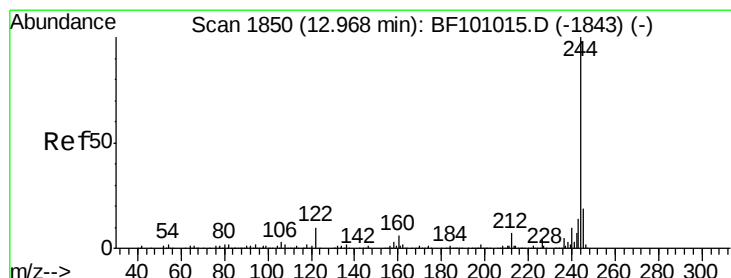
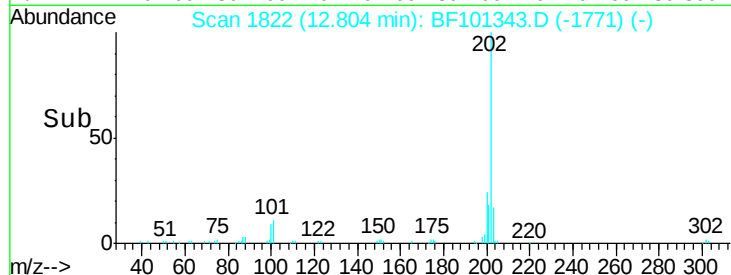
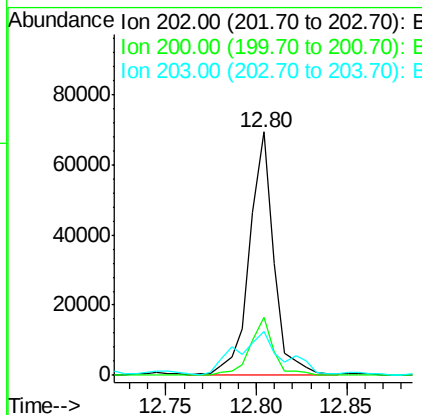
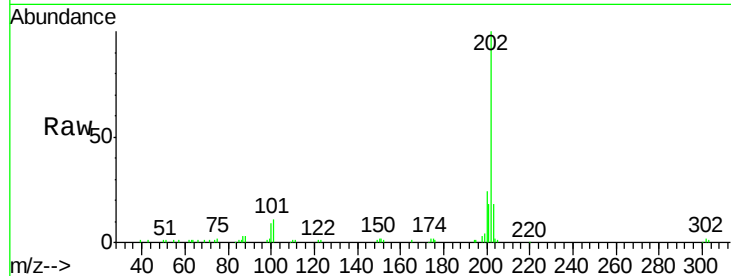
ClientSampleId :

SB-9(13-15)

Tot Ion:	202	Resp:	64995
Ion Ratio		Lower	Upper
202	100		
200	23.9	17.4	26.2
203	18.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 17.926 ng

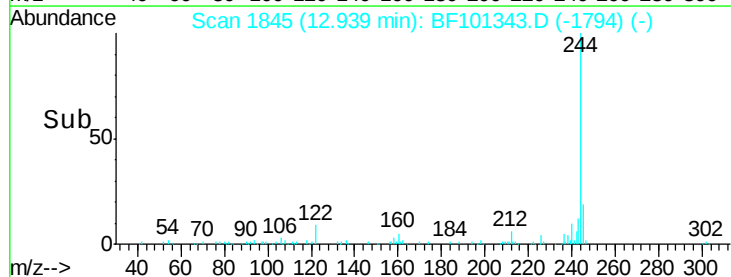
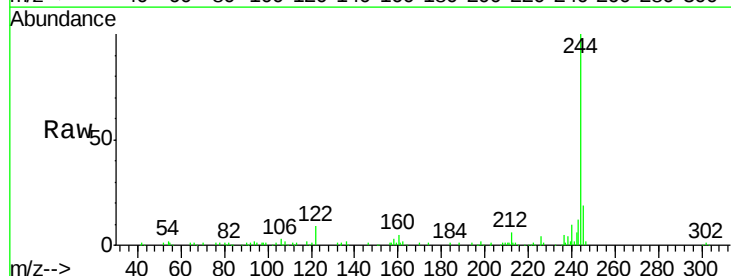
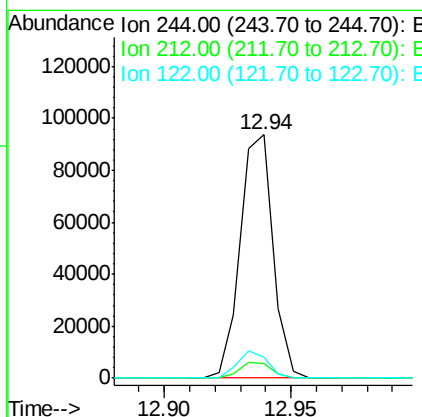
RT: 12.94 min Scan# 1845

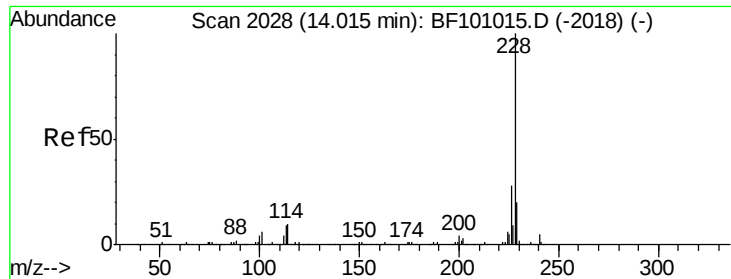
Delta R.T. 0.00 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion:	244	Resp:	84062
Ion Ratio		Lower	Upper
244	100		
212	6.1	5.4	8.0
122	8.8	11.0	16.4#





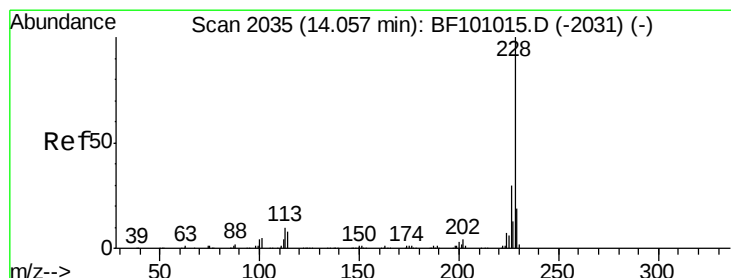
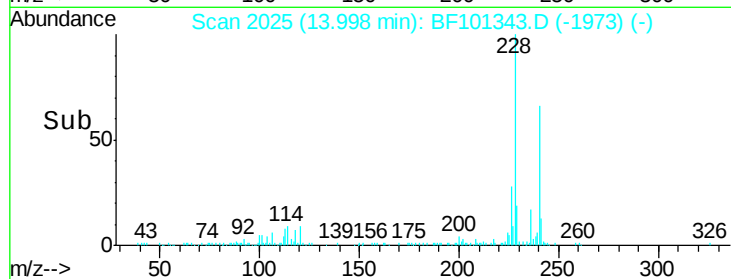
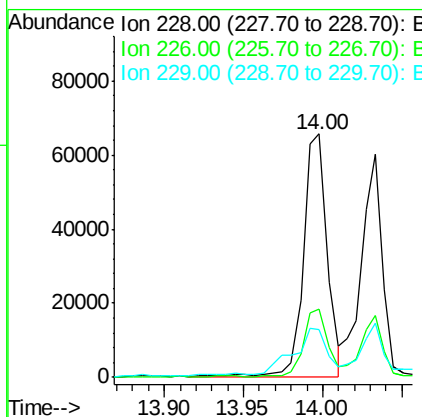
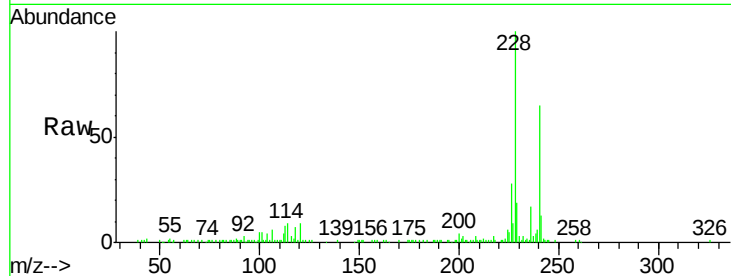
#80
Benzo(a)anthracene
Concen: 10.625 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	19.4	15.8	23.6

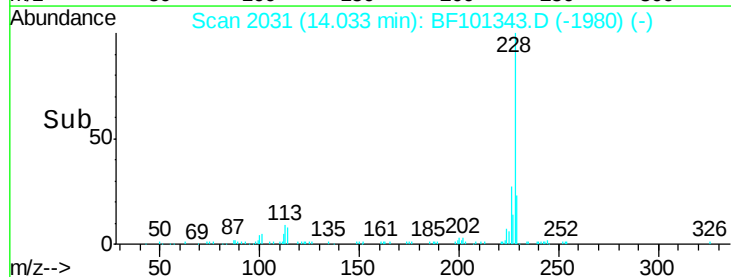
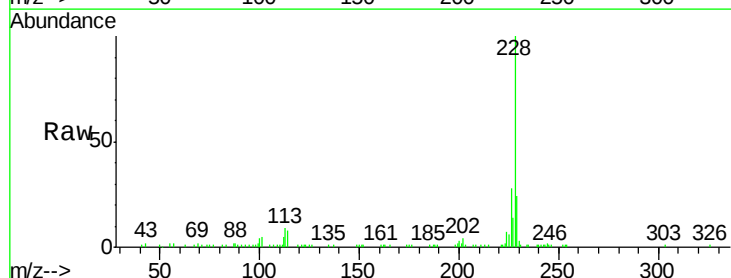
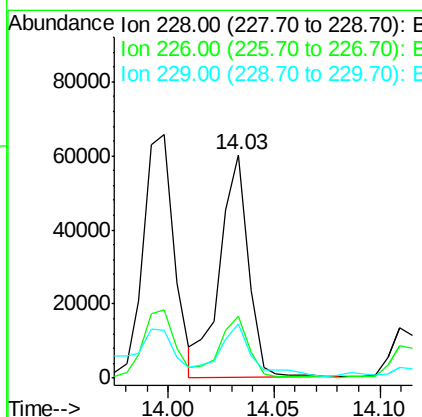
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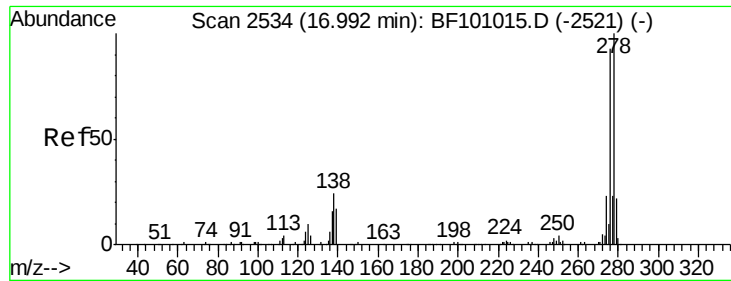
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#82
Chrysene
Concen: 9.322 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.0	37.6
229	24.3	16.2	24.4





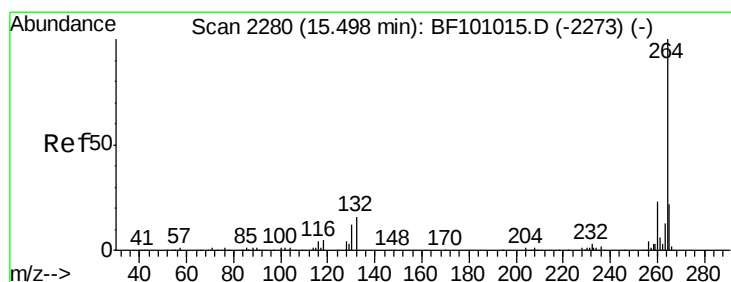
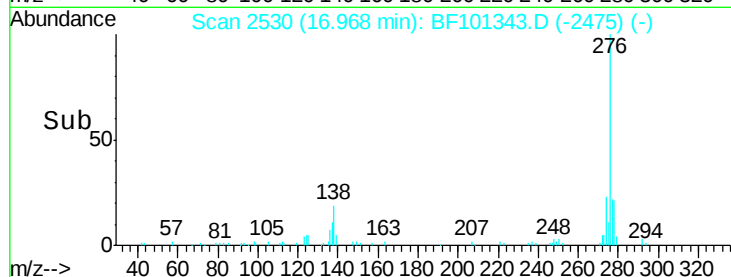
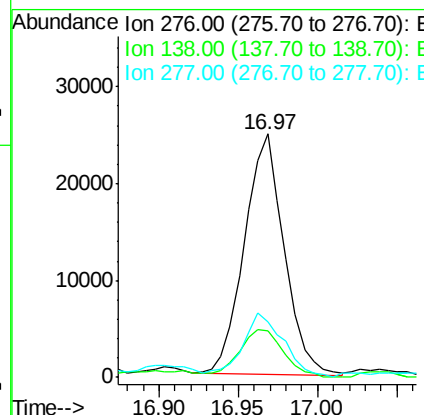
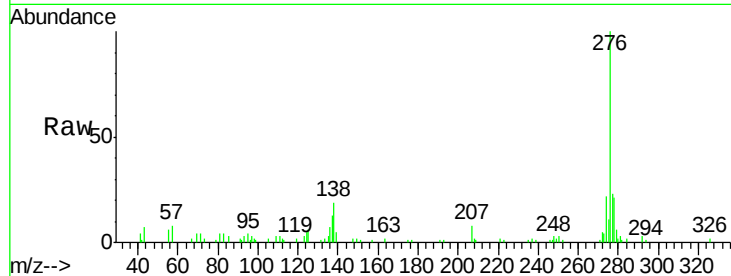
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.065 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	25.0	37.6#
277	28.0	20.1	30.1

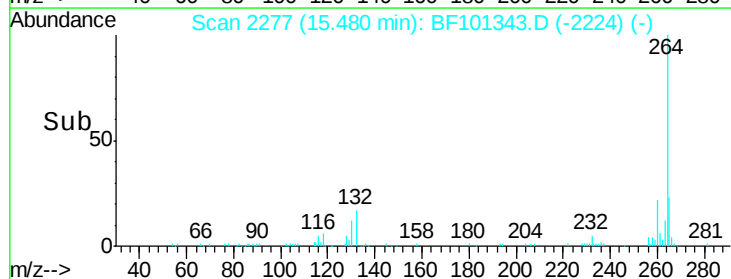
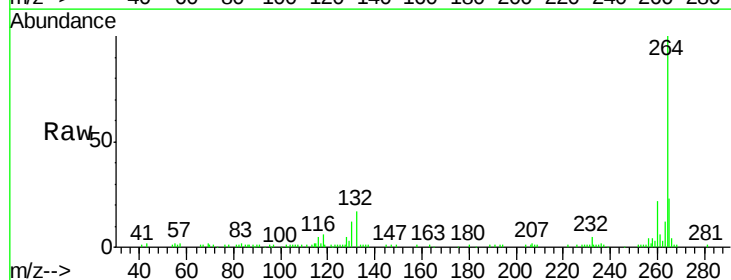
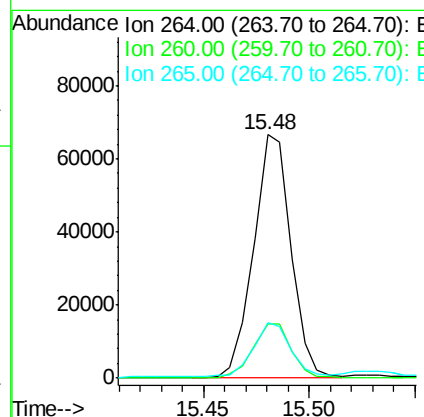
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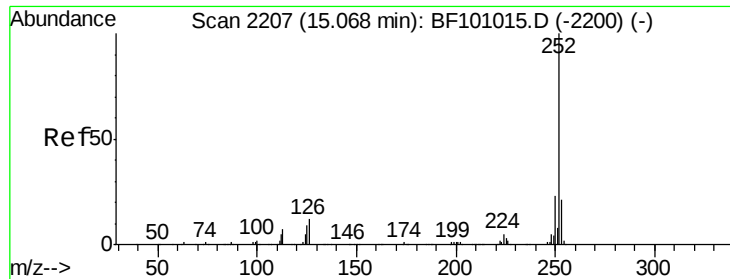
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	22.7	17.5	26.3





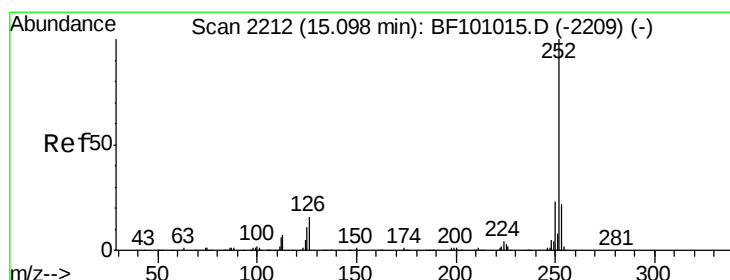
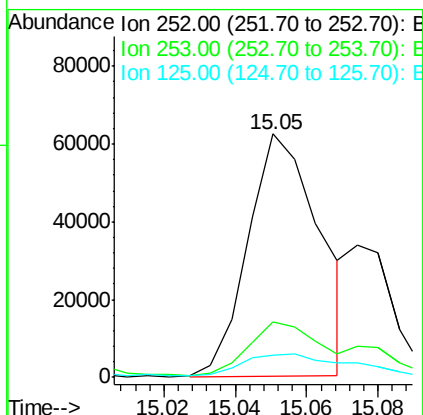
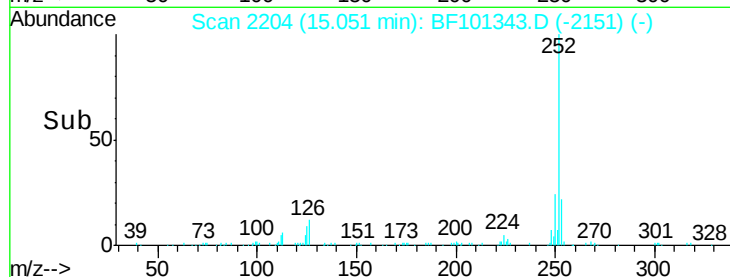
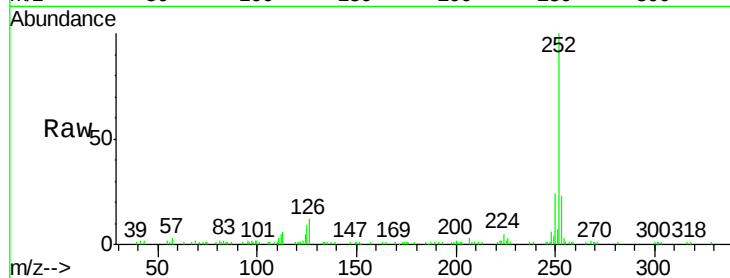
#87
Benzo(b)fluoranthene
Concen: 17.472 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.2	9.0	13.6

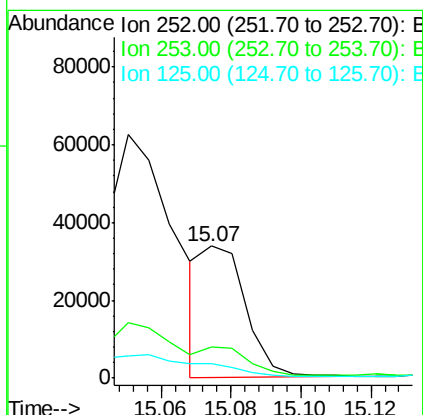
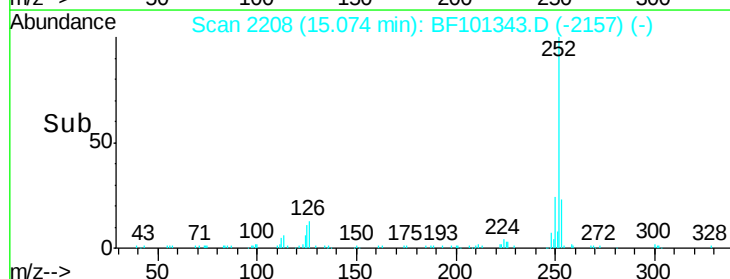
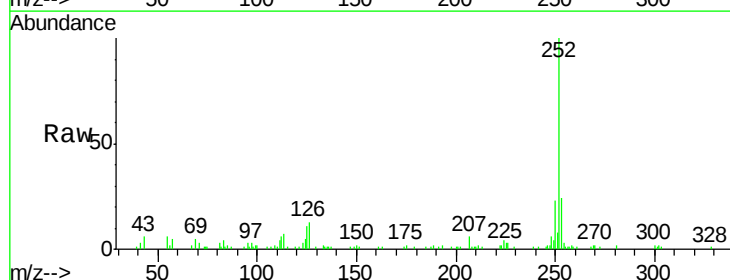
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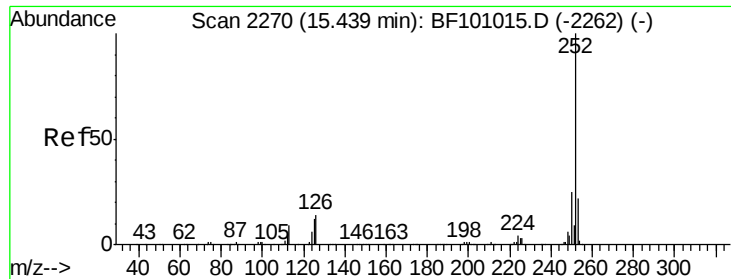
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#88
Benzo(k)fluoranthene
Concen: 5.900 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	10.8	10.2	15.2





#89

Benzo(a)pyrene

Concen: 17.046 ng/mL

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

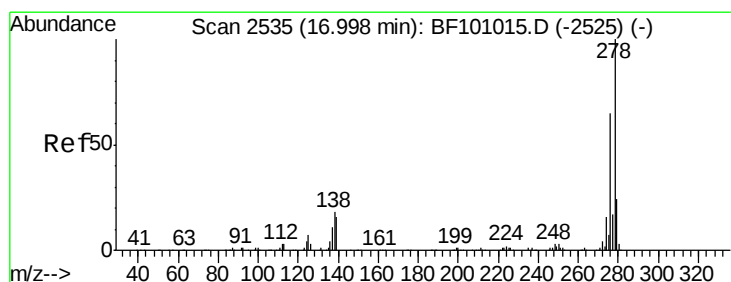
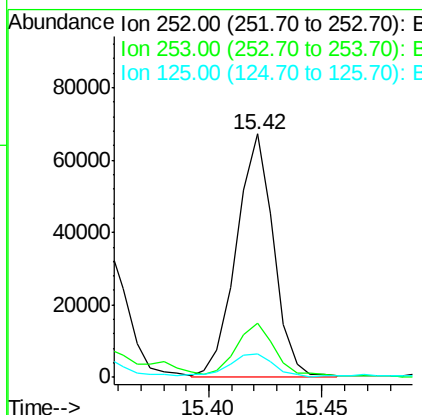
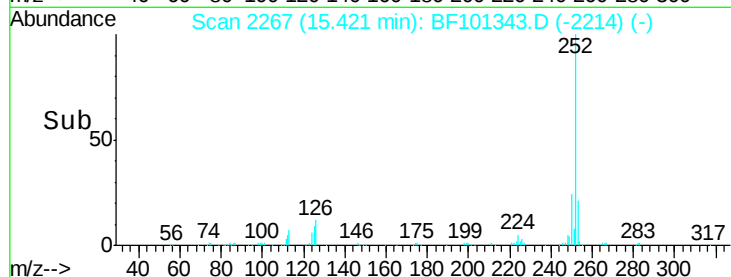
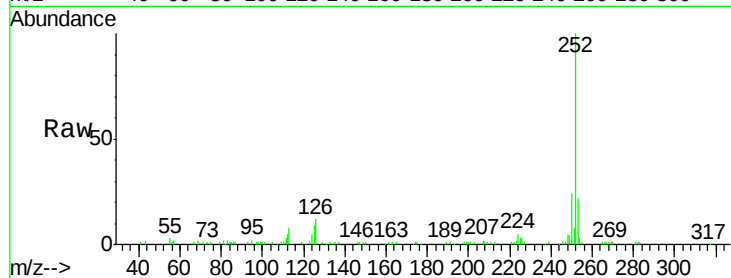
ClientSampled :

SB-9(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.5	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.831 ng/mL

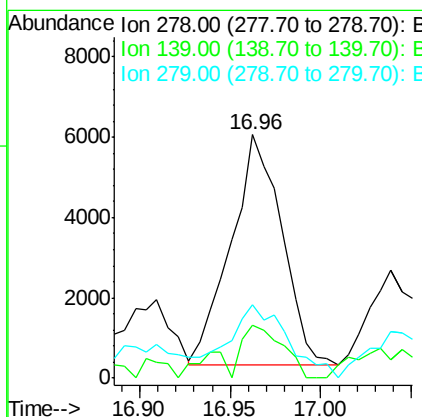
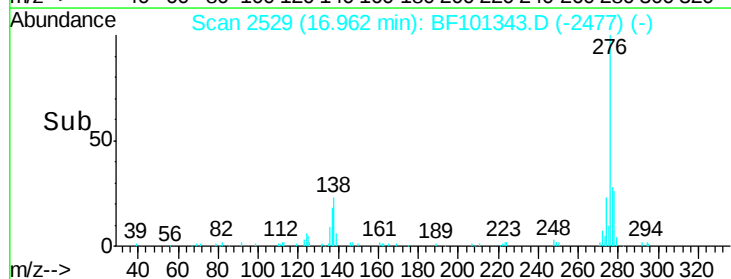
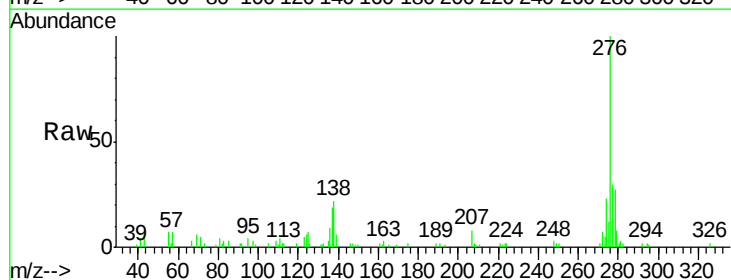
RT: 16.96 min Scan# 2529

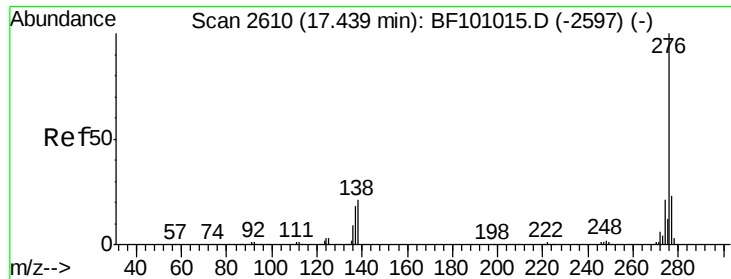
Delta R.T. 0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.9	23.9
279	30.0	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.367 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.02 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(13-15)

Tot Ion:	276	Resp:	38729
Ion Ratio	Lower	Upper	
276	100		
277	23.7	17.9	26.9
138	19.8	21.8	32.8

Manual Integrations
 APPROVED

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