

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101840.D
 Acq On : 29 Dec 2017 20:14
 Operator : SJ/JU
 Sample : I6970-08DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-5-10DL

Manual Integrations
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Quant Time: Dec 30 03:49:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	118310	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	422752	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	154284	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	272129	20.00	ng	0.00
75) Chrysene-d12	13.97	240	222616	20.00	ng	0.00
86) Perylene-d12	15.45	264	176343	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	172038	21.66	ng	0.02
7) Phenol-d6	6.45	99	242139	24.50	ng	0.02
23) Nitrobenzene-d5	7.37	82	116490	15.34	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	24787	16.67	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	238074	23.94	ng	0.00
78) Terphenyl-d14	12.90	244	208349	22.56	ng	0.00
Target Compounds						
51) Acenaphthene	9.86	154	31799	3.201	ng	99
57) Fluorene	10.38	166	47235	4.423	ng	98
70) Phenanthrene	11.35	178	514824	34.019	ng	99
71) Anthracene	11.40	178	180058	11.648	ng	99
74) Fluoranthene	12.54	202	546332	34.393	ng	98
77) Pyrene	12.77	202	598202	35.805	ng	99
80) Benzo(a)anthracene	13.96	228	218349	14.854	ng	98
82) Chrysene	14.00	228	185860	13.391	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	53291	4.312	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	143075m	13.311	ng	
88) Benzo(k)fluoranthene	15.04	252	43739m	4.185	ng	
89) Benzo(a)pyrene	15.39	252	120910	12.203	ng	# 95
91) Benzo(a,h,i)perylene	17.40	276	54014	6.412	ng	# 94

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

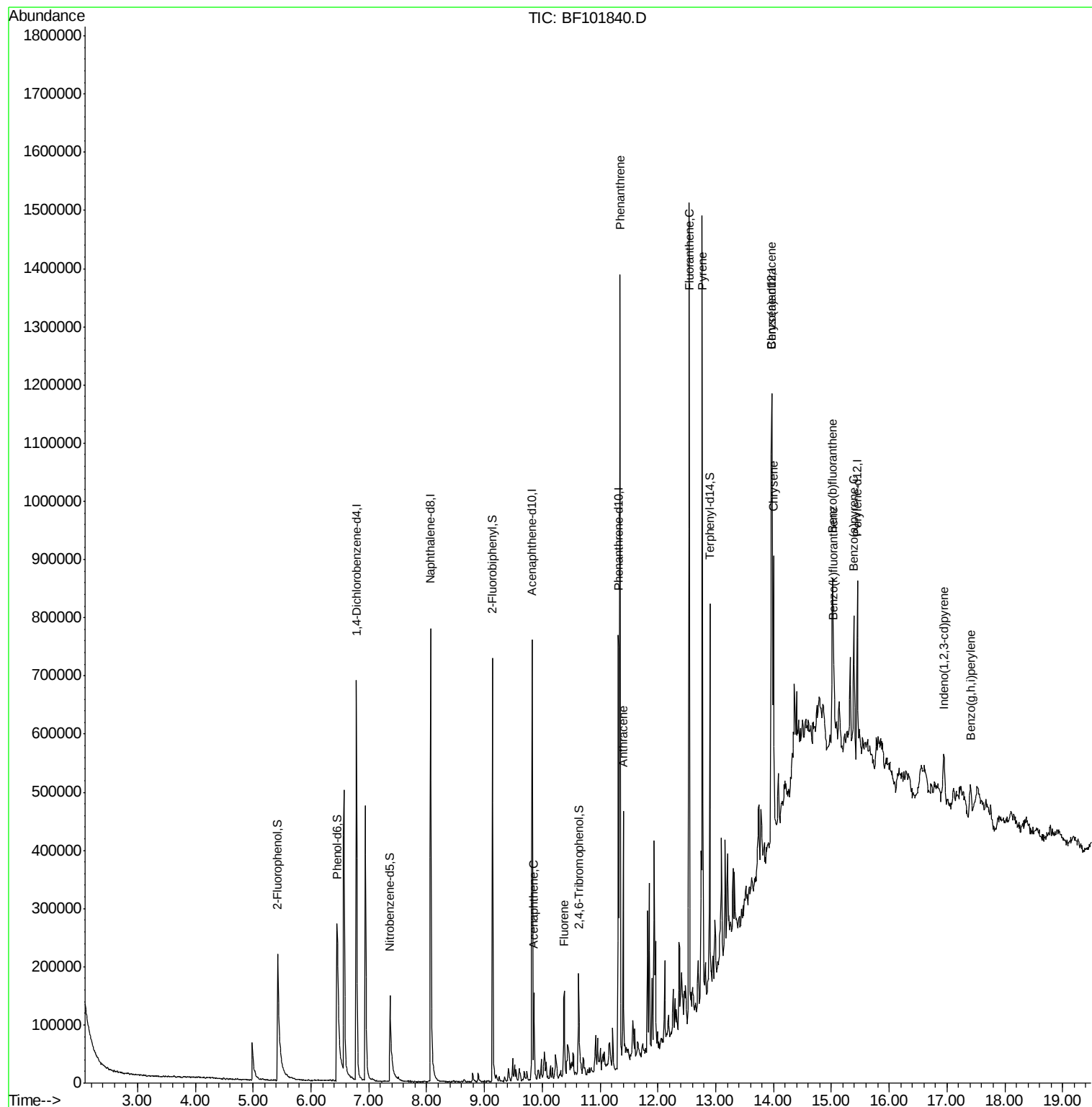
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
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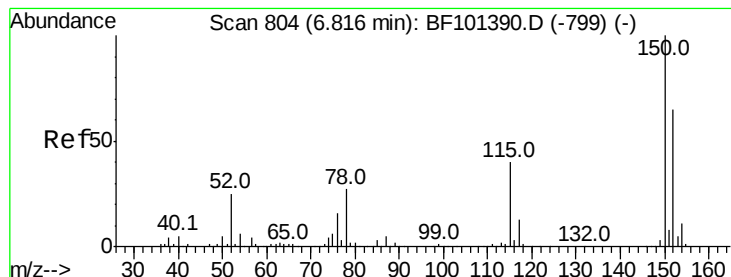
Instrument :
BNA_F
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#1

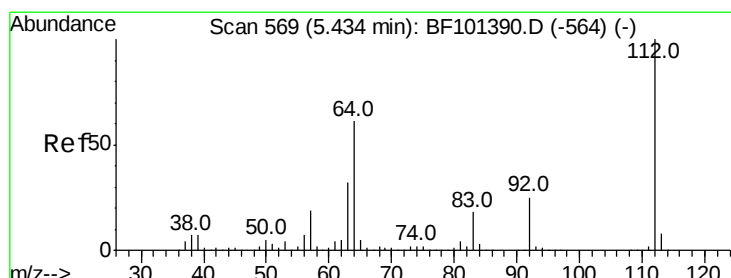
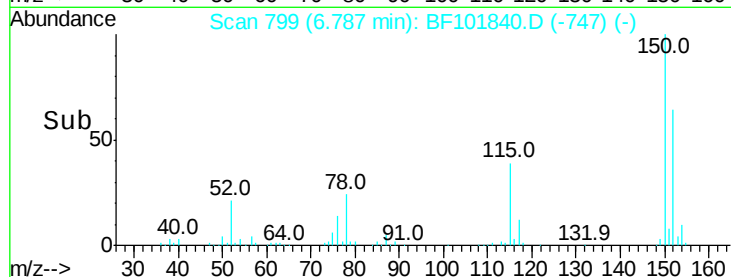
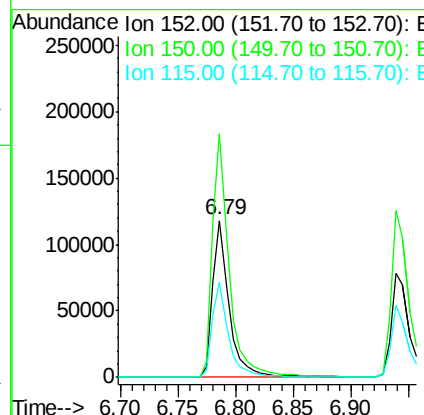
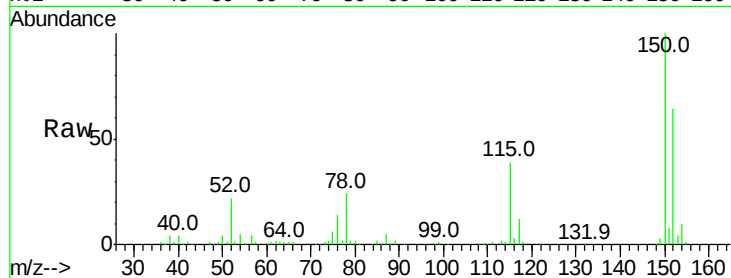
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampled :
S2-5-10DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.7	50.1	75.1

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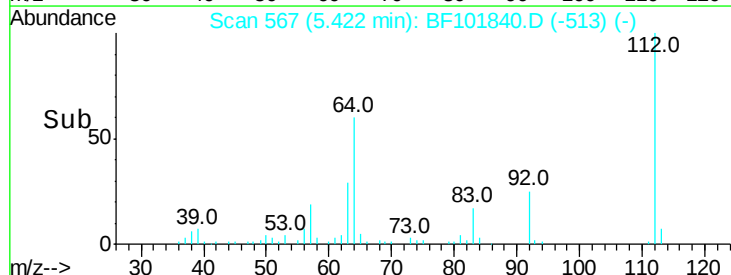
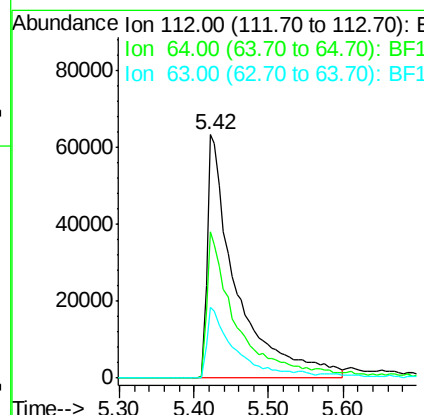
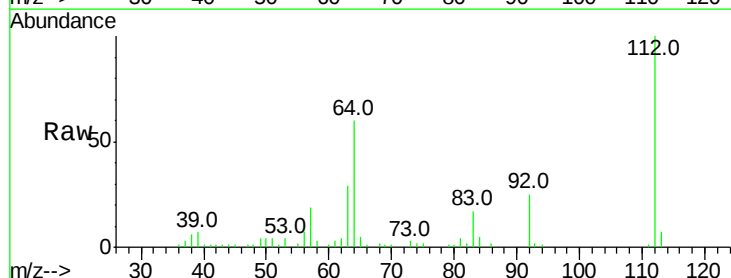
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#5

2-Fluorophenol
Concen: 21.660 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 24.496 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Instrument :

BNA_F

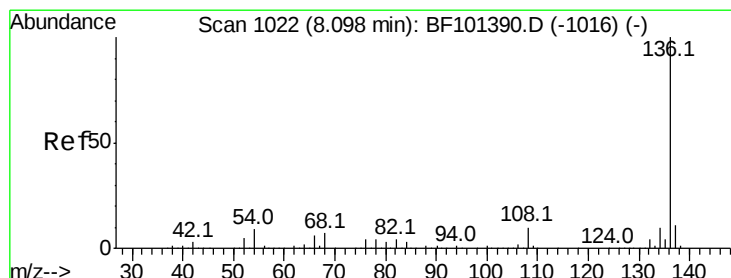
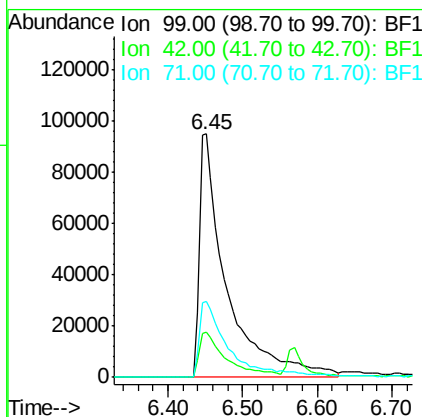
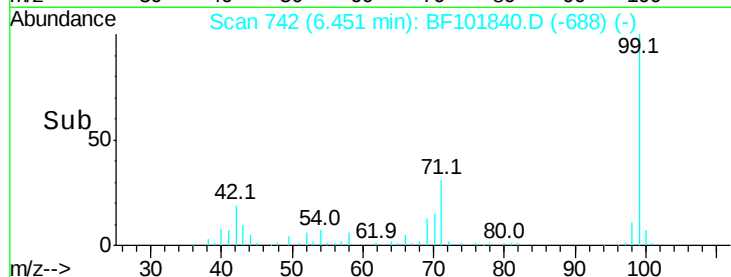
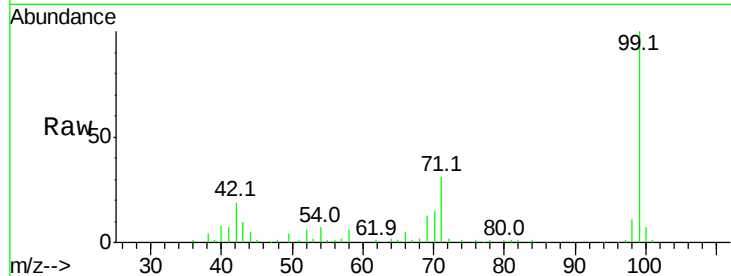
ClientSampleId :

S2-5-10DL

Tot Ion:	99	Resp:	242139
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

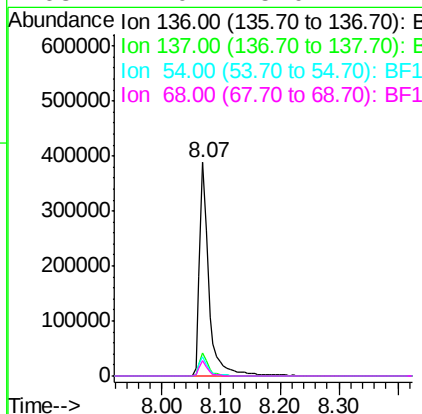
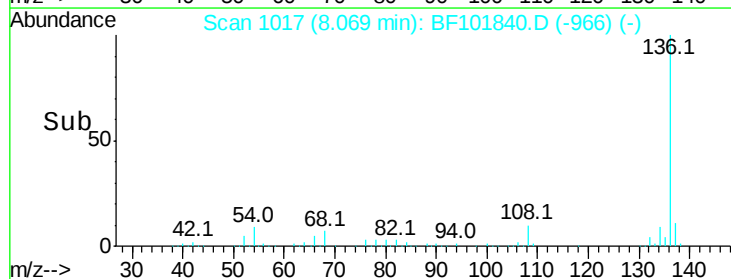
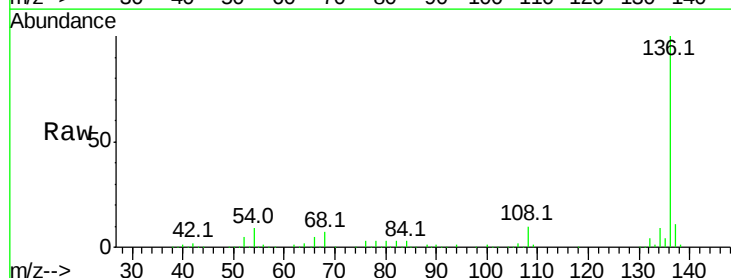
RT: 8.07 min Scan# 1017

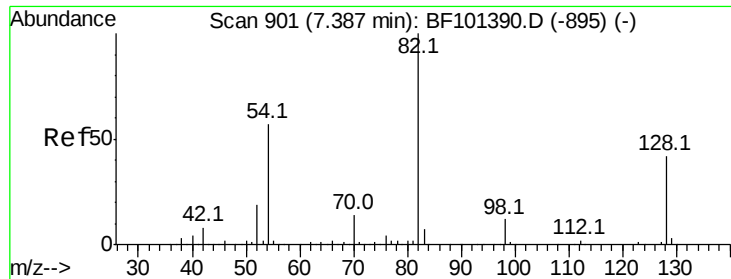
Delta R.T. 0.00 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Tgt Ion:	136	Resp:	422752
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.9	6.6	9.8
68	7.0	5.0	7.4





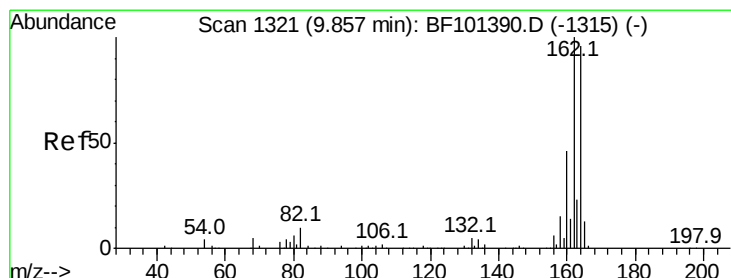
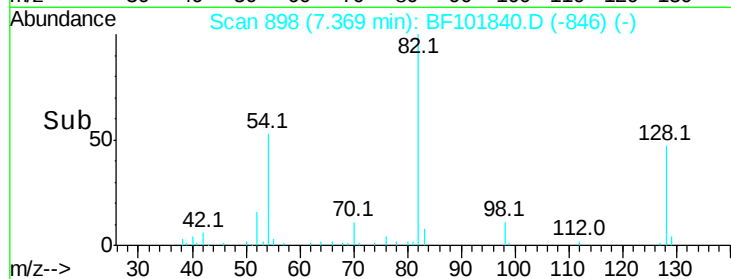
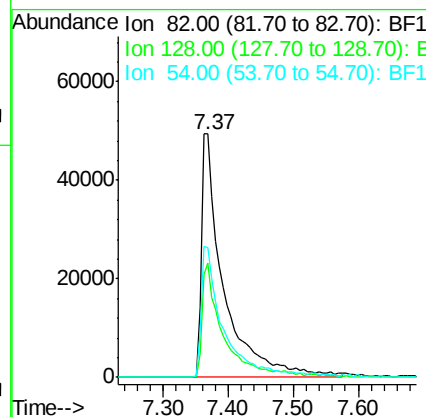
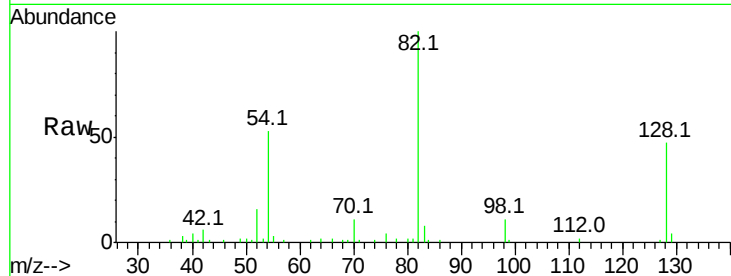
#23
 Nitrobenzene-d5
 Concen: 15.339 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF101840.D
 Acq: 29 Dec 2017 20:14

Instrument :
 BNA_F
 ClientSampled :
 S2-5-10DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	53.3	41.4	62.2

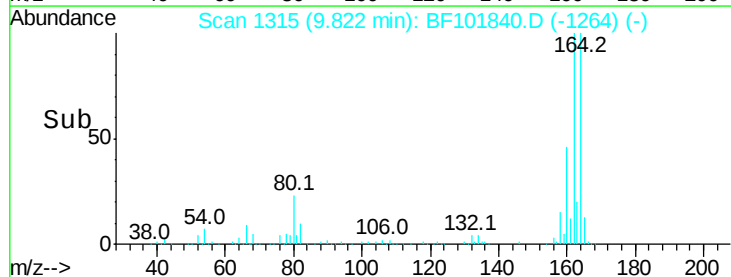
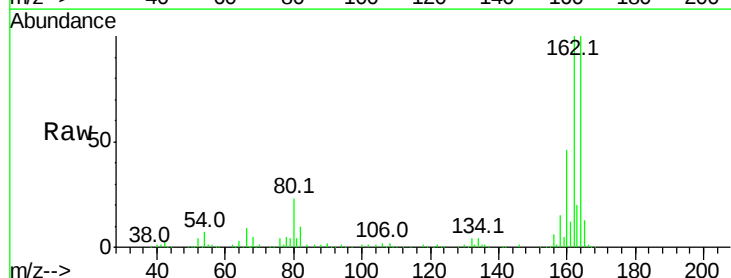
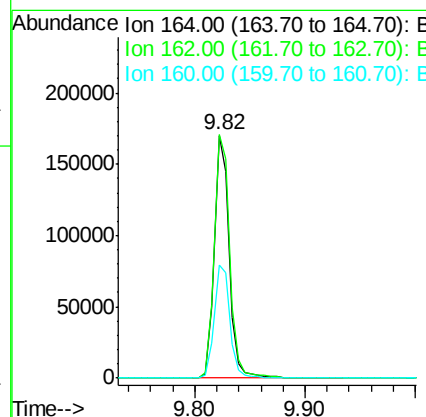
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF101840.D
 Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	86.1	129.1
160	46.6	38.3	57.5





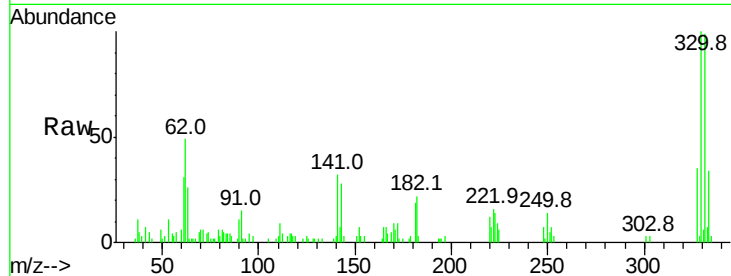
#41
 2,4,6-Tribromophenol
 Concen: 16.673 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF101840.D
 Acq: 29 Dec 2017 20:14

Instrument :
 BNA_F
 ClientSampleId :
 S2-5-10DL

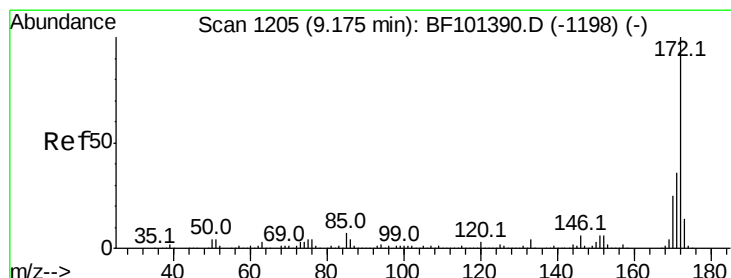
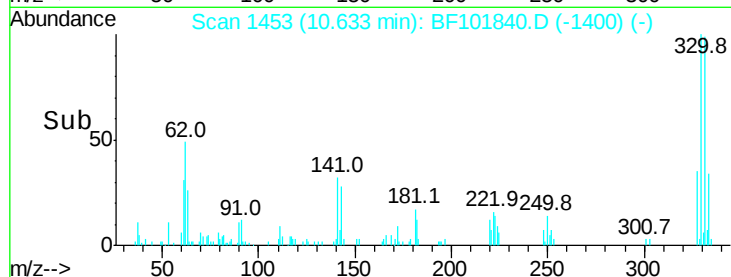
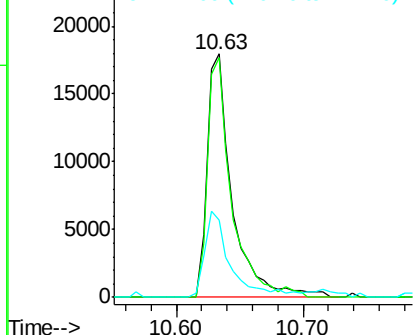
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	36.5	29.9	44.9

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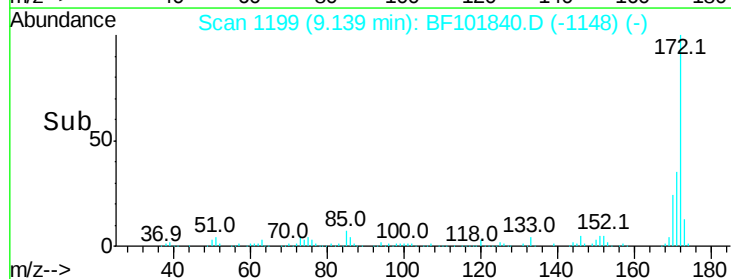
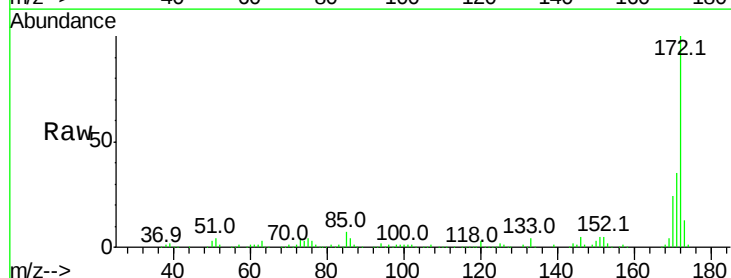
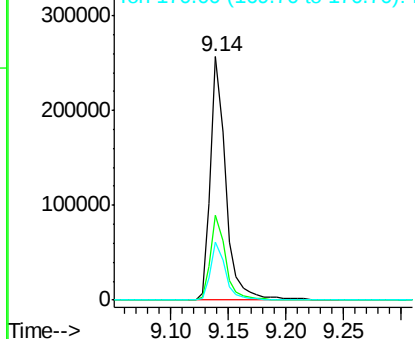
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

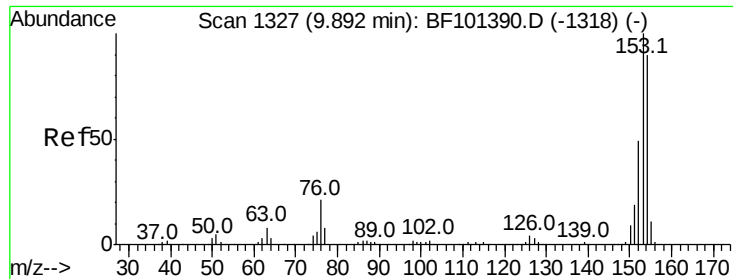


#44
 2-Fluorobiphenyl
 Concen: 23.937 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101840.D
 Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.7	19.6	29.4

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





#51

Acenaphthene

Concen: 3.201 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Instrument :

BNA_F

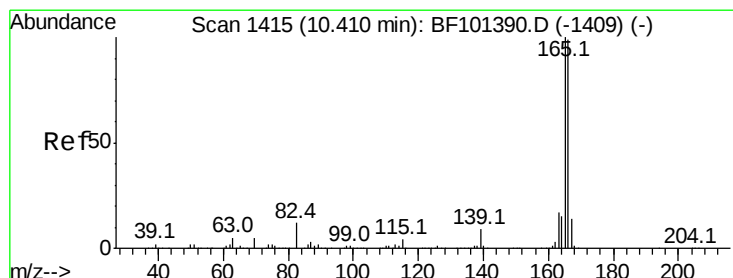
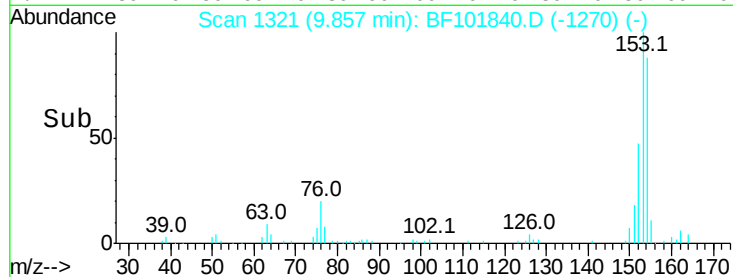
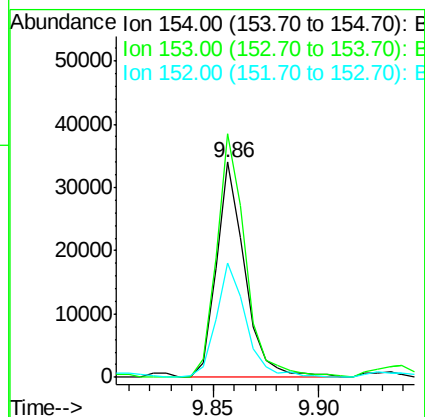
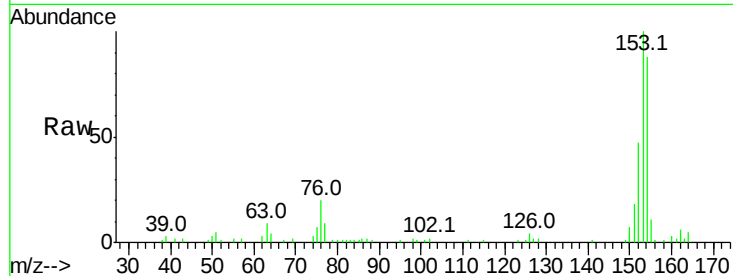
ClientSampled :

S2-5-10DL

Tot Ion:	154	Resp:	31799
Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.2	136.8
152	53.3	43.8	65.8

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#57

Fluorene

Concen: 4.423 ng

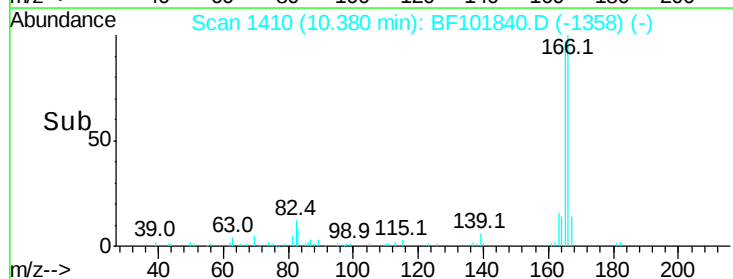
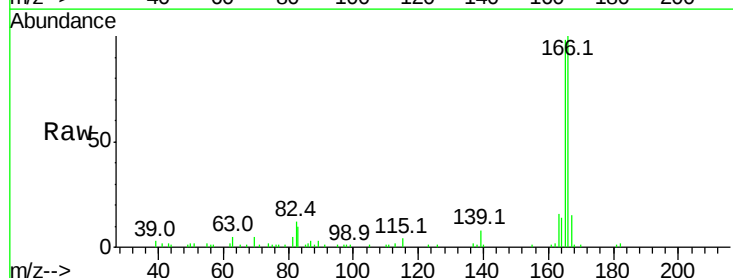
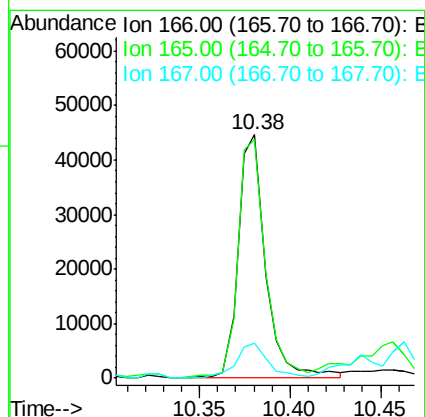
RT: 10.38 min Scan# 1410

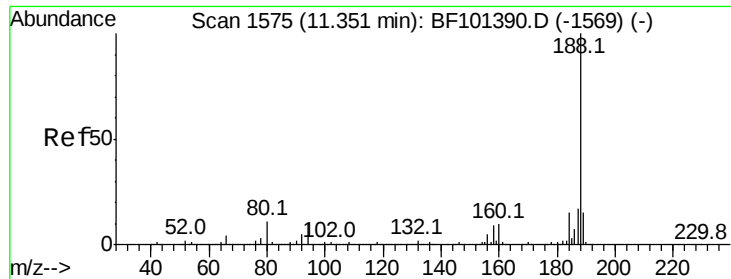
Delta R.T. 0.01 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Tgt Ion:	166	Resp:	47235
Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.5	10.6	16.0





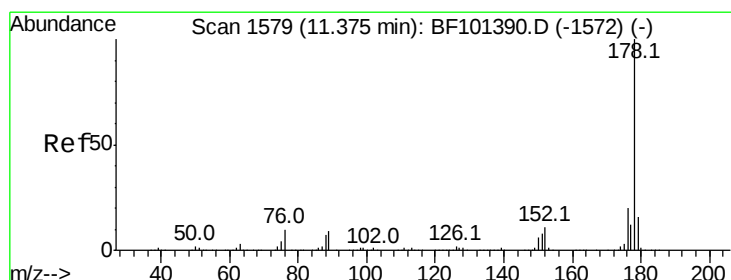
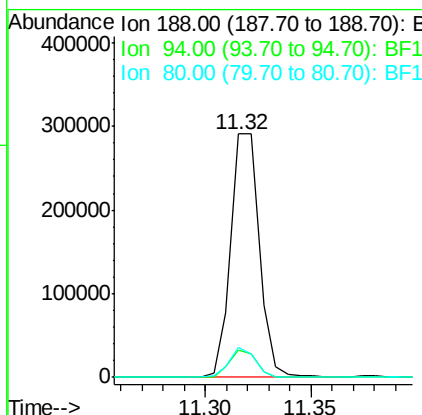
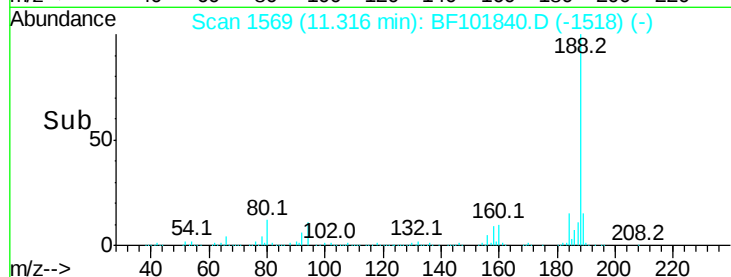
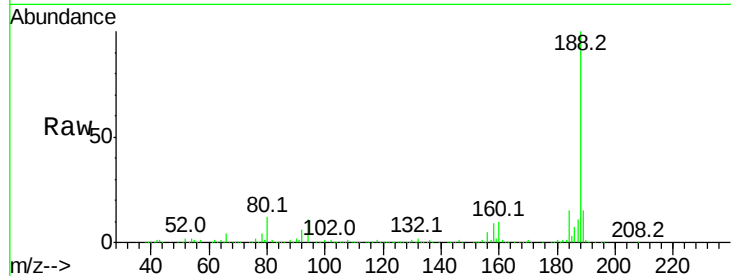
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :
S2-5-10DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	272129		
94	11.5		8.5	12.7
80	12.4		9.2	13.8

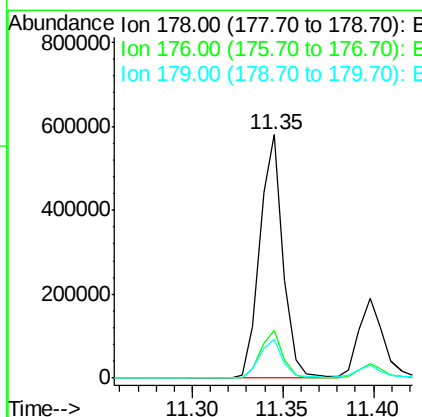
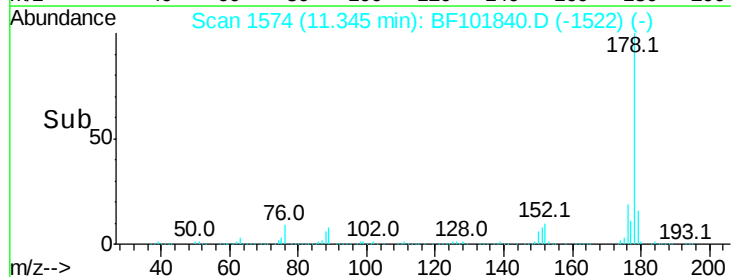
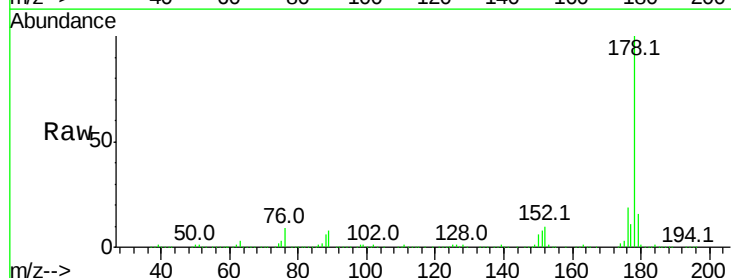
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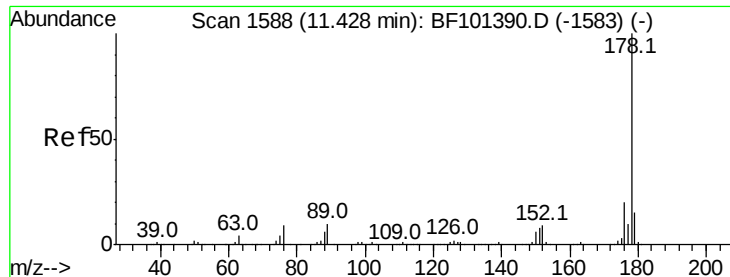
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#70
Phenanthrene
Concen: 34.019 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	514824		
176	19.4		15.8	23.8
179	15.8		13.0	19.6





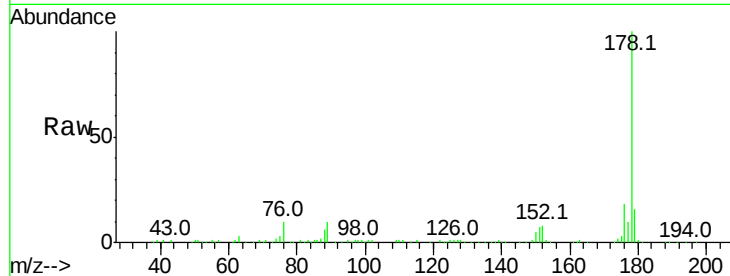
#71
 Anthracene
 Concen: 11.648 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101840.D
 Acq: 29 Dec 2017 20:14

Instrument :
 BNA_F
 ClientSampleId :
 S2-5-10DL

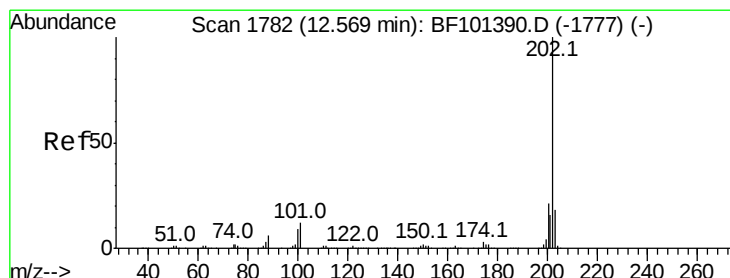
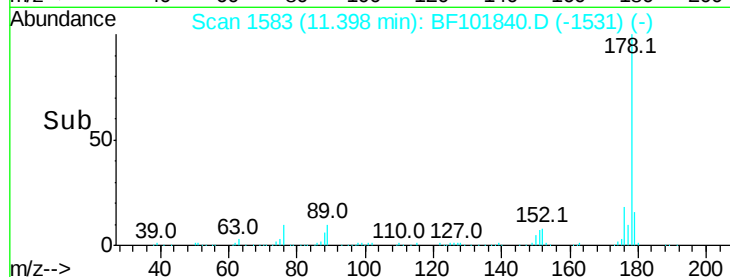
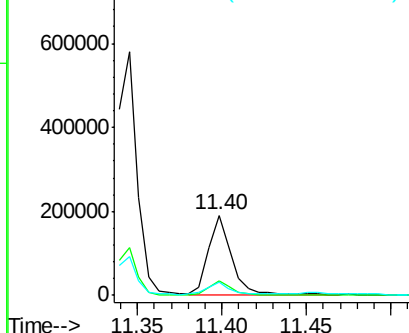
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	16.0	12.6	19.0

Manual Integrations
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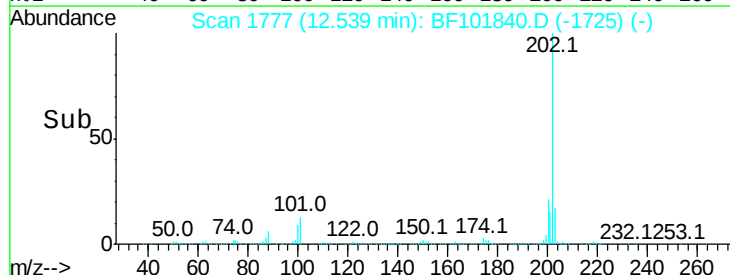
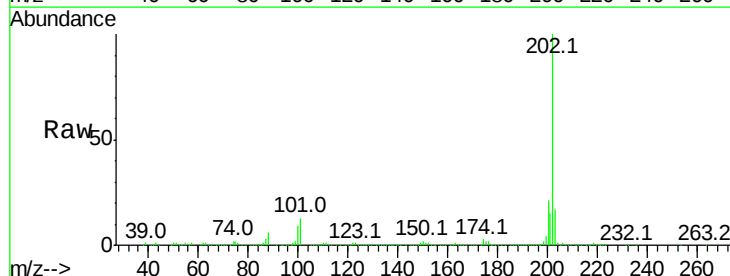
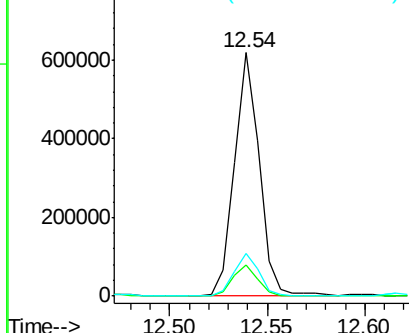
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

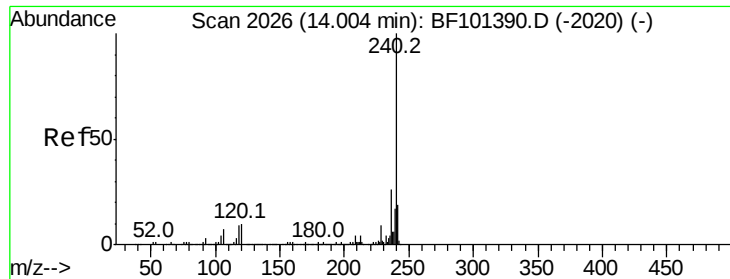


#74
 Fluoranthene
 Concen: 34.393 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101840.D
 Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.5	0.0	38.1

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Instrument :

BNA_F

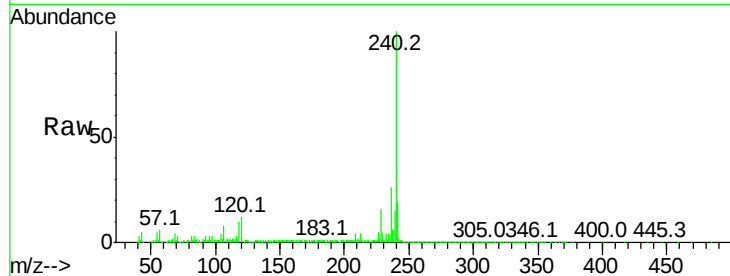
ClientSampled :

S2-5-10DL

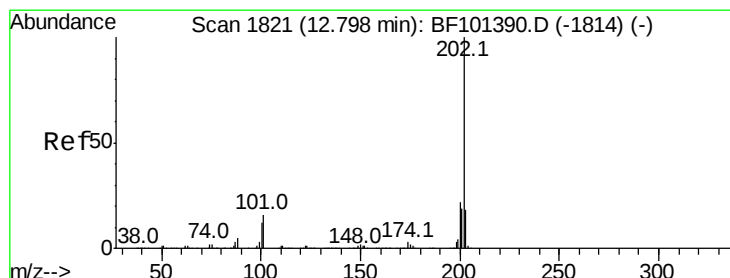
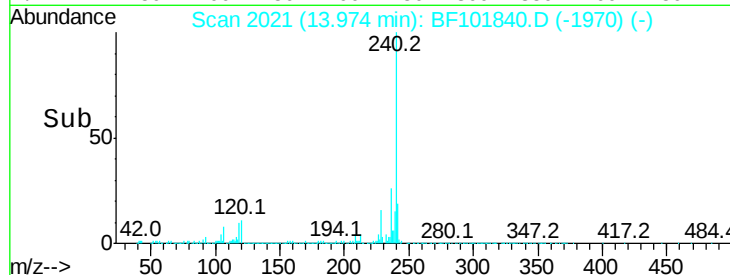
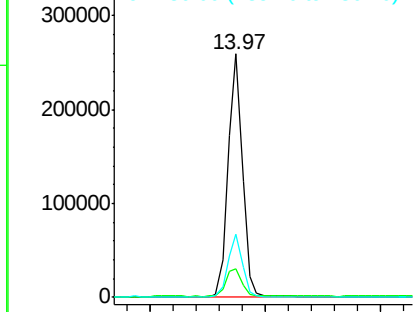
Tot Ion:	240	Resp:	222616
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	25.8	20.7	31.1

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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



#77

Pyrene

Concen: 35.805 ng

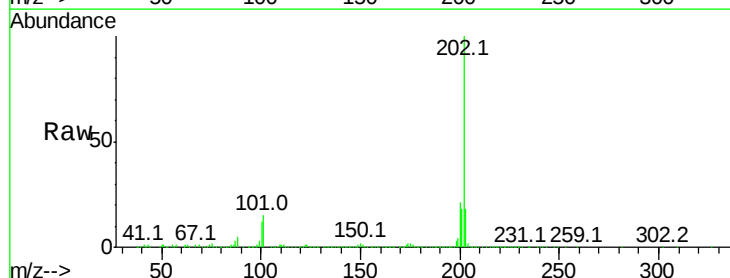
RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

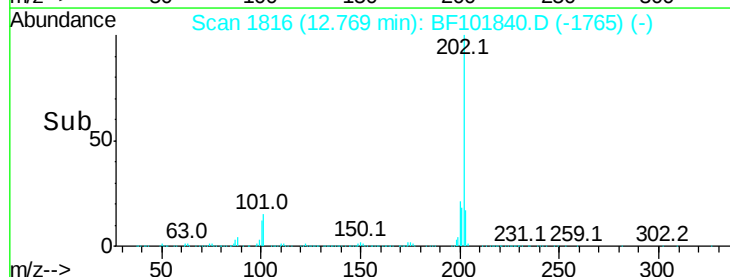
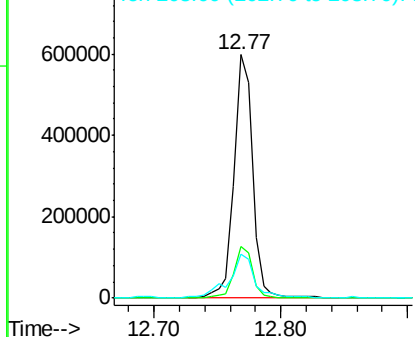
Lab File: BF101840.D

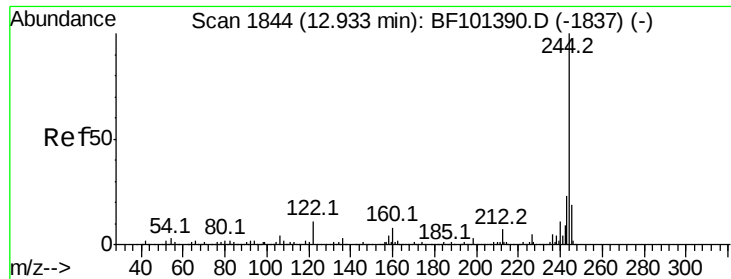
Acq: 29 Dec 2017 20:14

Tgt Ion:	202	Resp:	598202
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5



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





#78

Terphenyl-d14

Concen: 22.563 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Instrument :

BNA_F

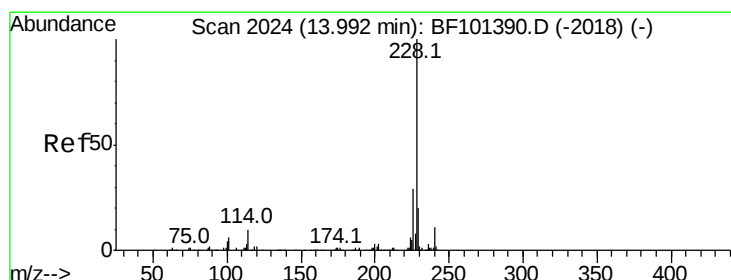
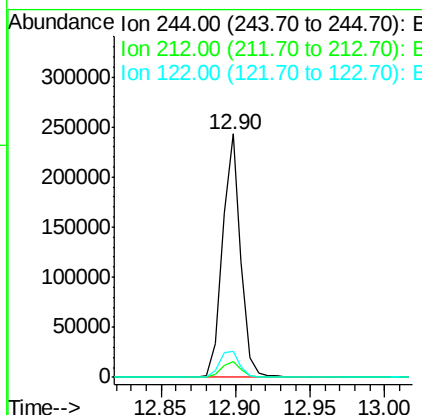
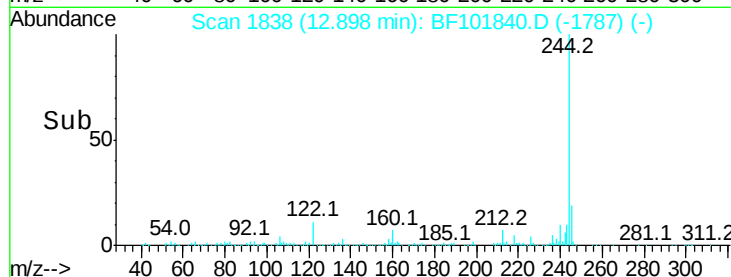
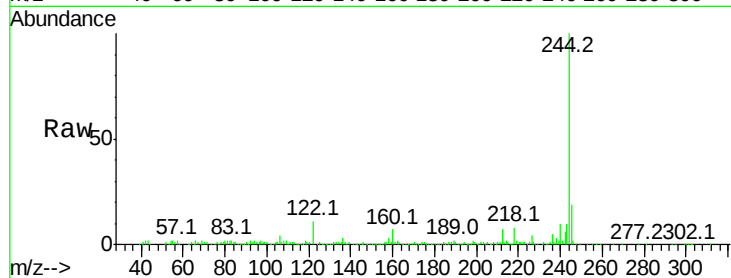
ClientSampleId :

S2-5-10DL

Tot Ion:	244	Resp:	208349
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	10.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 14.854 ng

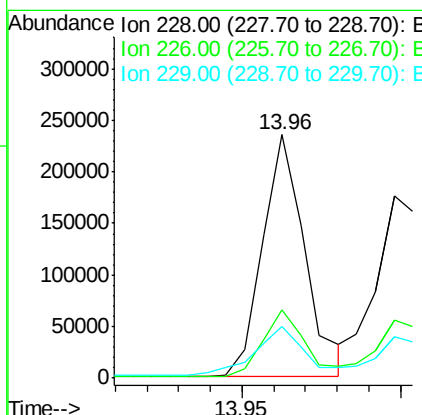
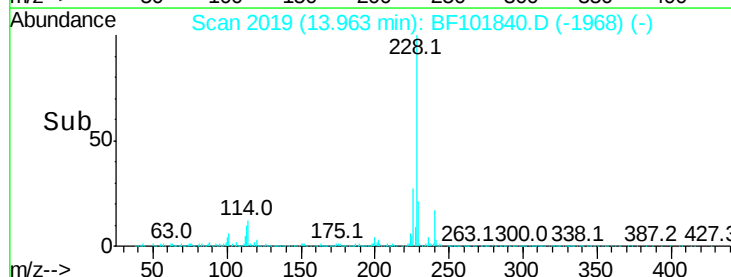
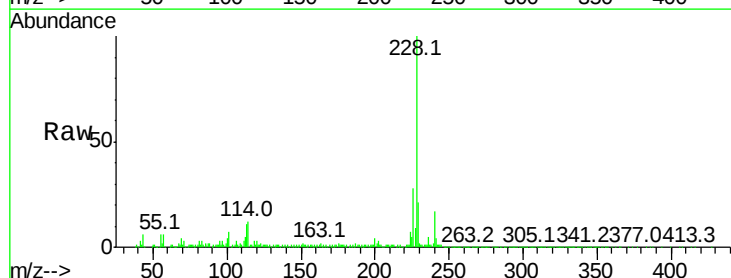
RT: 13.96 min Scan# 2019

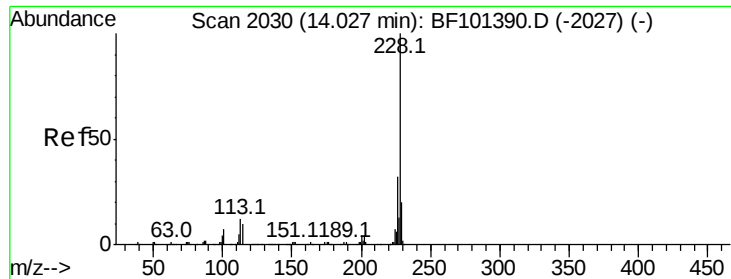
Delta R.T. 0.00 min

Lab File: BF101840.D

Acq: 29 Dec 2017 20:14

Tgt Ion:	228	Resp:	218349
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	21.4	15.8	23.6





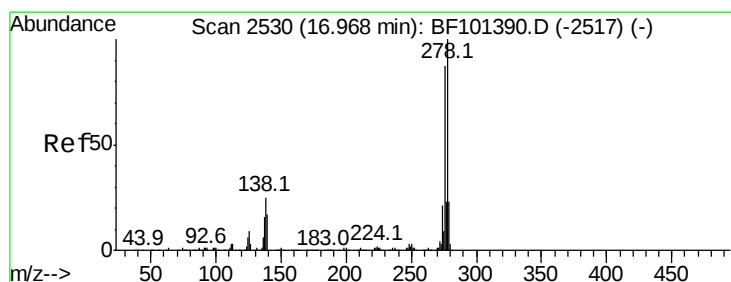
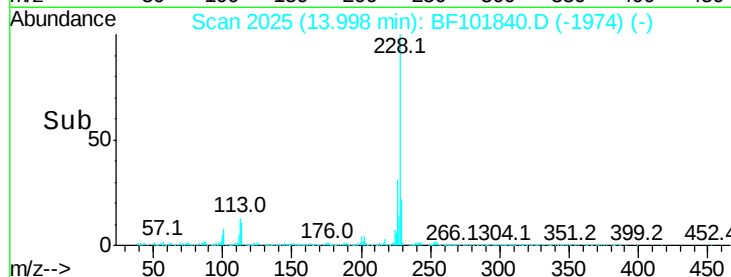
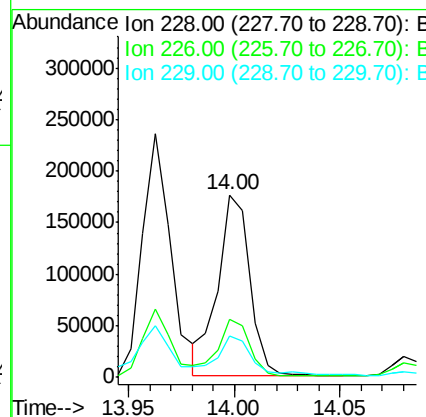
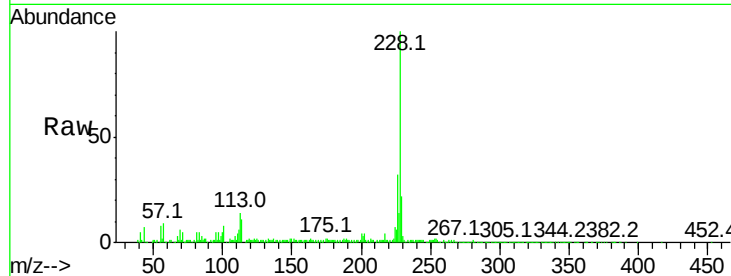
#82
Chrysene
Concen: 13.391 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :
S2-5-10DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.3	16.2	24.4

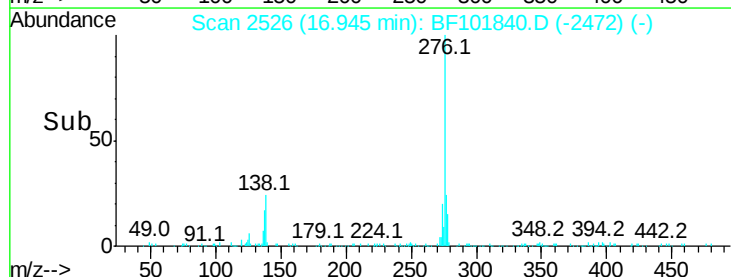
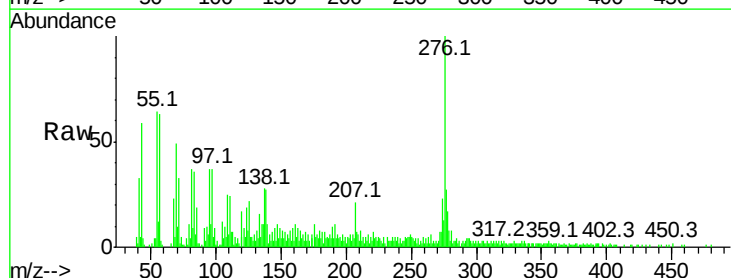
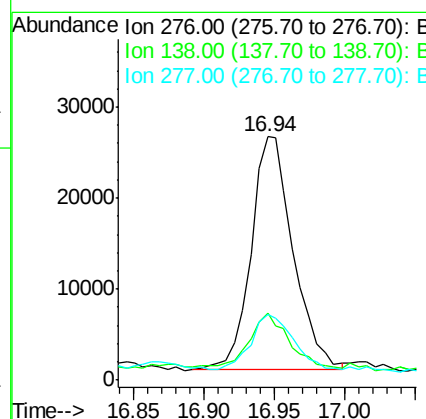
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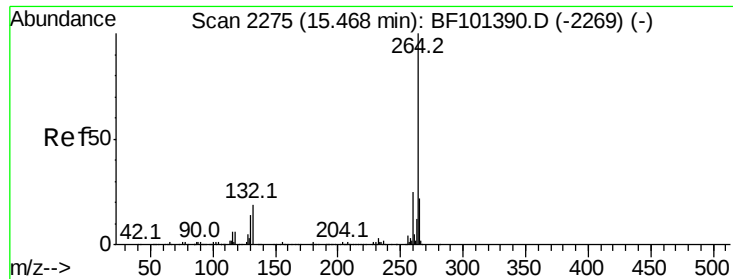
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.312 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.02 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	24.1	20.1	30.1





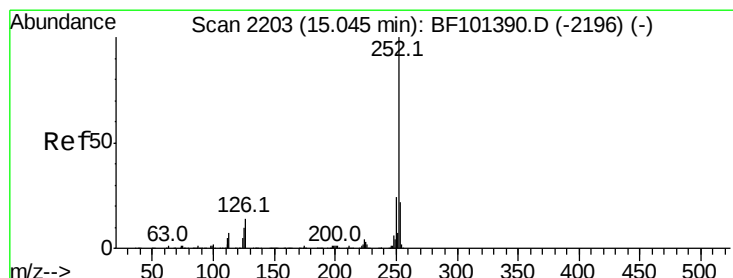
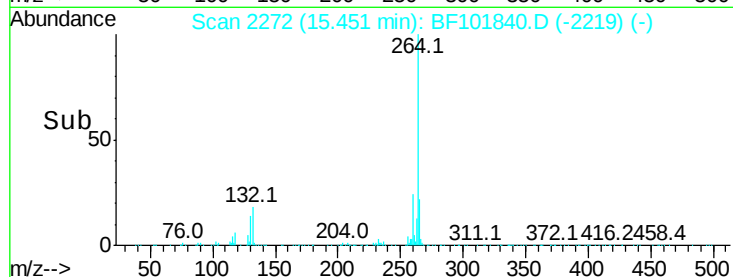
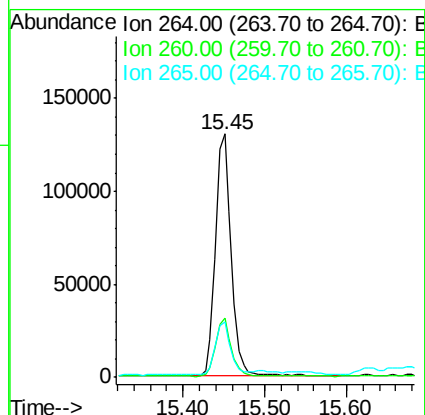
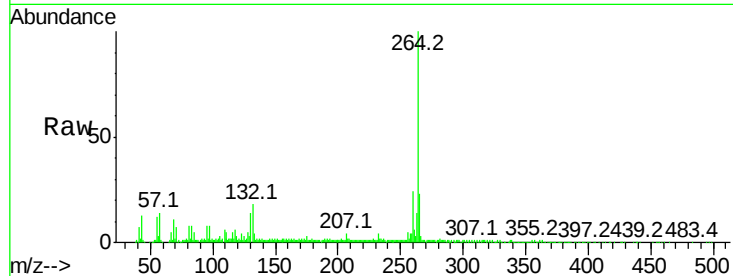
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :
S2-5-10DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.5	26.3

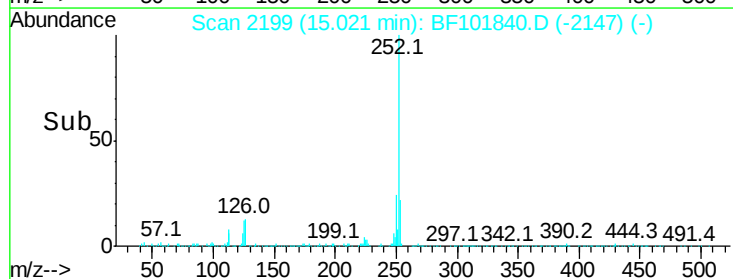
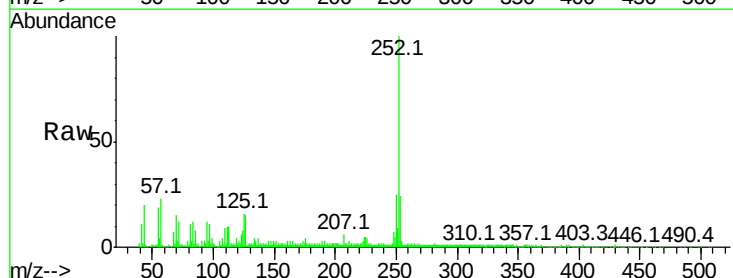
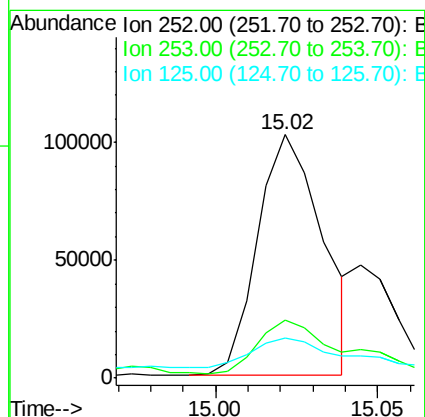
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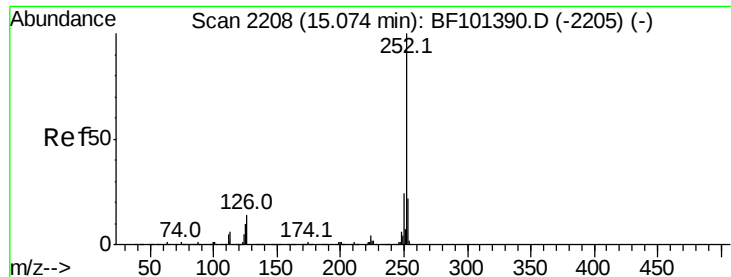
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#87
Benzo(b)fluoranthene
Concen: 13.311 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	16.5	9.0	13.6





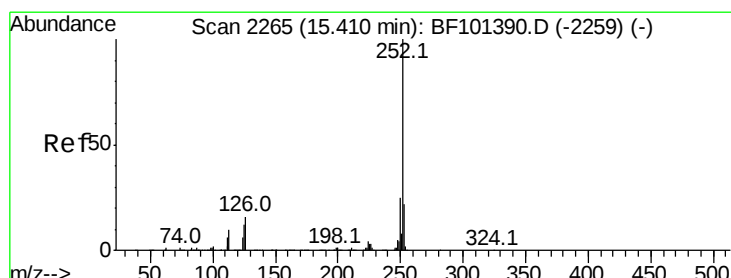
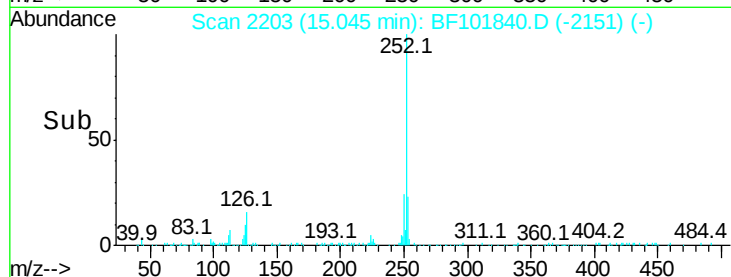
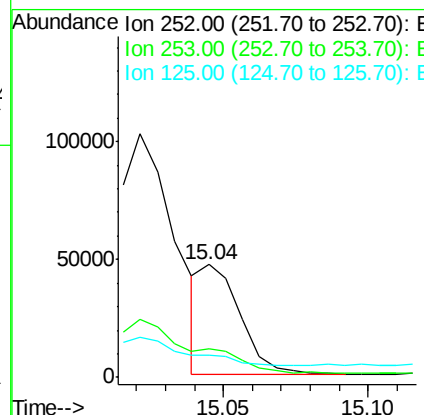
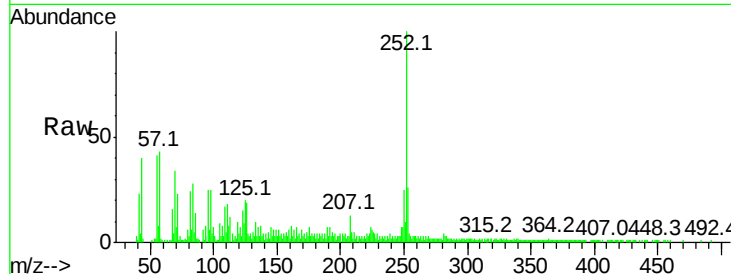
#88
Benzo(k)fluoranthene
Concen: 4.185 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :
S2-5-10DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	20.0	10.2	15.2

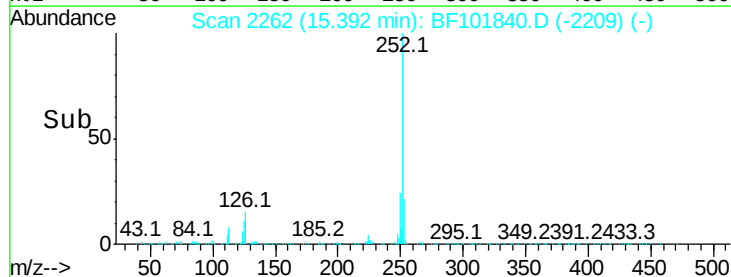
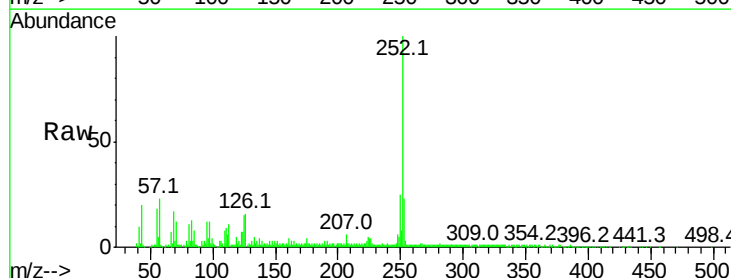
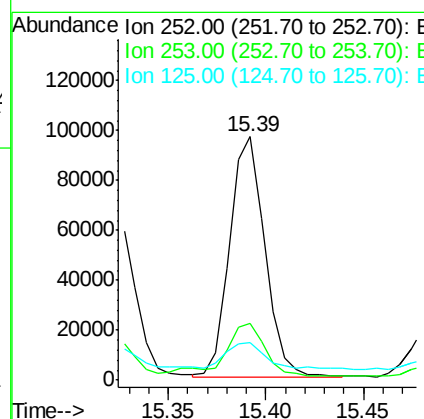
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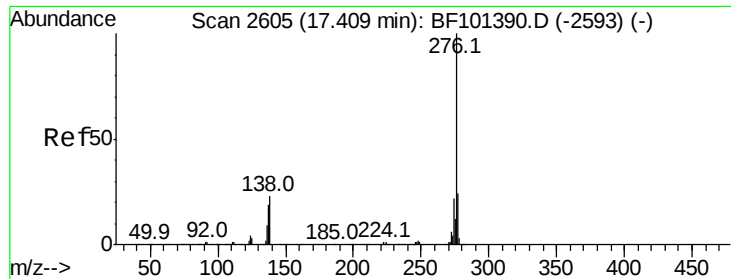
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#89
Benzo(a)pyrene
Concen: 12.203 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.4	9.8	14.6





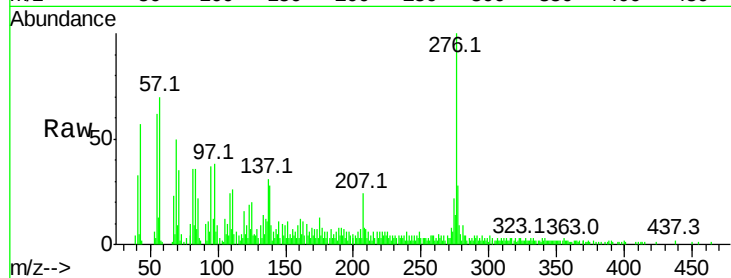
#91
Benzo(a,h,i)perylene
Concen: 6.412 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.04 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :
S2-5-10DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	27.8	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

