

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102064.D
 Acq On : 15 Jan 2018 15:53
 Operator : SJ/JU
 Sample : J1134-01 50X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB26-S

Manual Integrations
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 1/16/2018 5:01:12 PM

Quant Time: Jan 15 17:37:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	205100	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	860185	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	376996	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	614177	20.00	ng	0.00
75) Chrysene-d12	13.87	240	338609	20.00	ng	-0.01
86) Perylene-d12	15.28	264	341791	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	5367	0.37	ng	0.00
7) Phenol-d6	6.35	99	6244	0.36	ng	-0.02
23) Nitrobenzene-d5	7.27	82	4359	0.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	1218	0.37	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	8615	0.36	ng	-0.02
78) Terphenyl-d14	12.82	244	7891	0.48	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.02	128	266617	6.203	ng	99
48) Acenaphthylene	9.62	152	188203	4.589	ng	99
57) Fluorene	10.30	166	108704	4.603	ng	97
70) Phenanthrene	11.26	178	574188	16.005	ng	98
71) Anthracene	11.31	178	201064	5.526	ng	99
74) Fluoranthene	12.45	202	728063	20.627	ng	99
77) Pyrene	12.67	202	725995	24.256	ng	99
80) Benzo(a)anthracene	13.86	228	299372m	13.857	ng	
82) Chrysene	13.89	228	237722	10.553	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	196780	12.002	ng	97
87) Benzo(b)fluoranthene	14.88	252	372440m	16.712	ng	
88) Benzo(k)fluoranthene	14.90	252	87810m	4.084	ng	
89) Benzo(a)pyrene	15.22	252	294827	14.702	ng	95
90) Dibenzo(a,h)anthracene	16.66	278	52833	3.301	ng	# 92
91) Benzo(a,h,i)perylene	17.06	276	199805	12.394	ng	97

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

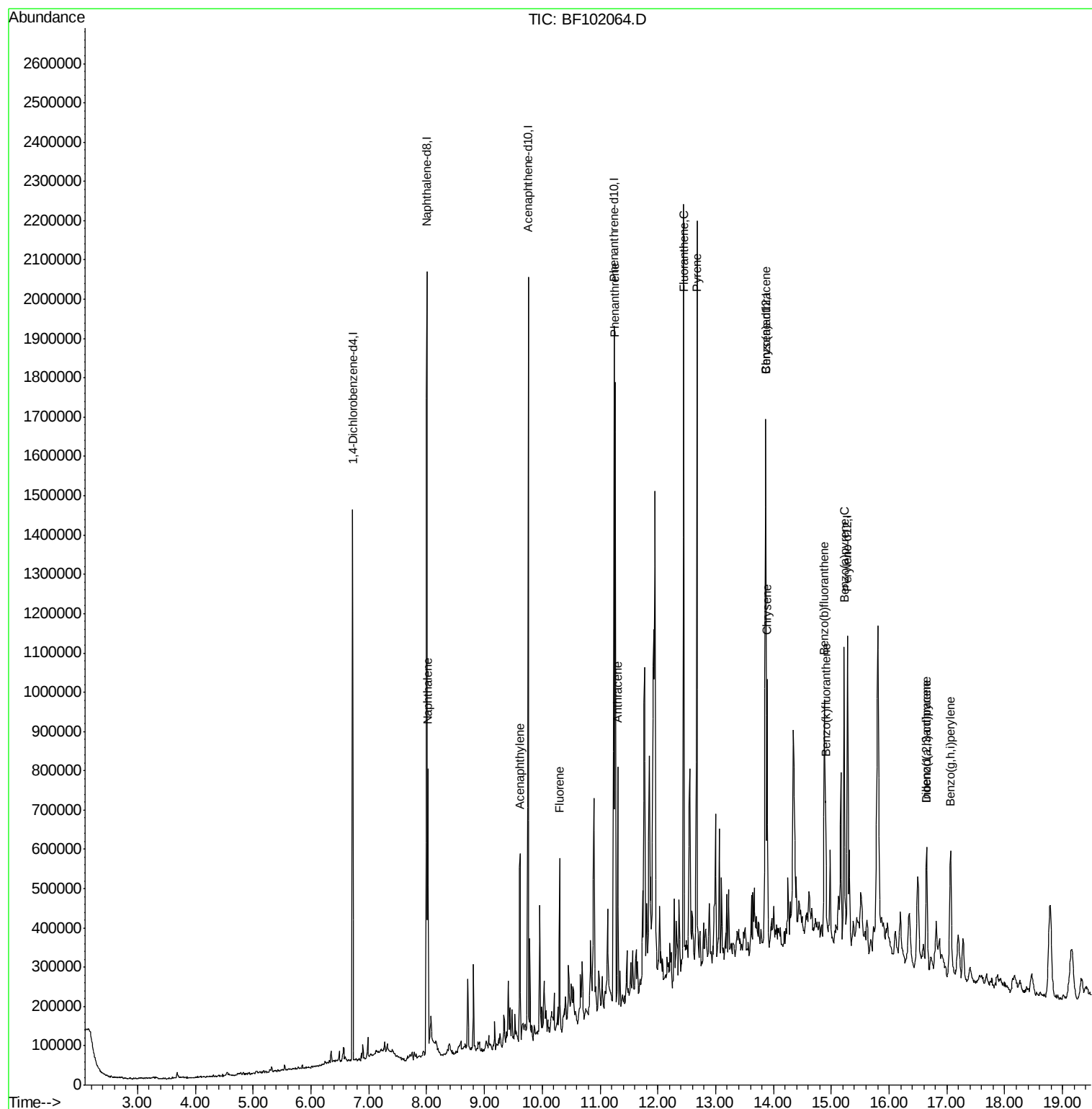
Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
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#1

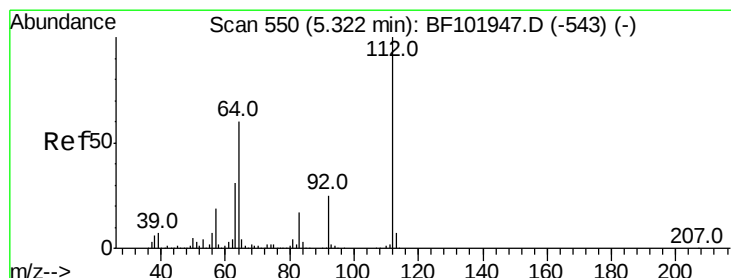
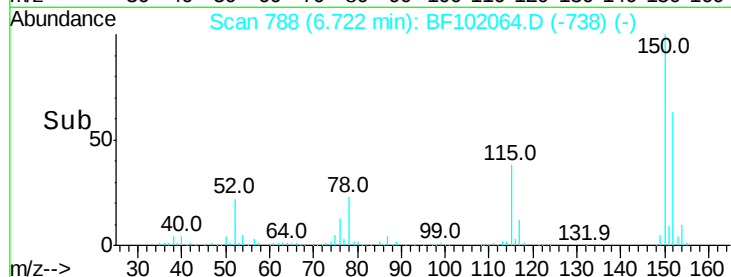
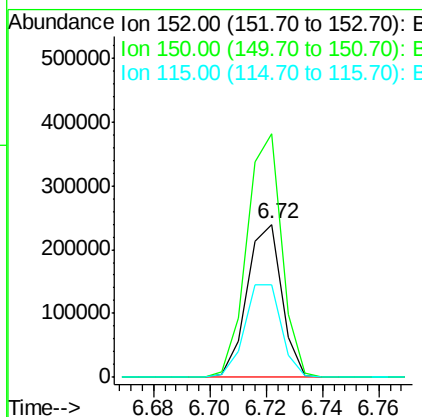
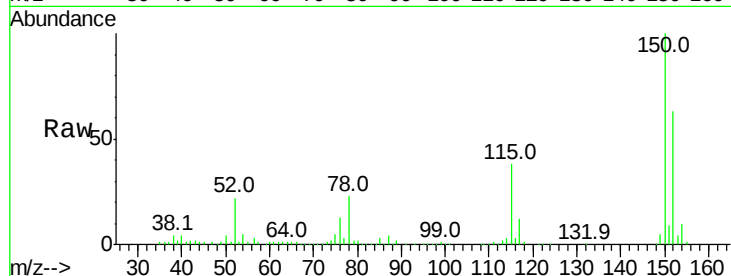
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Instrument :
BNA_F
ClientSampleId :
A2-SB26-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	60.4	50.1	75.1

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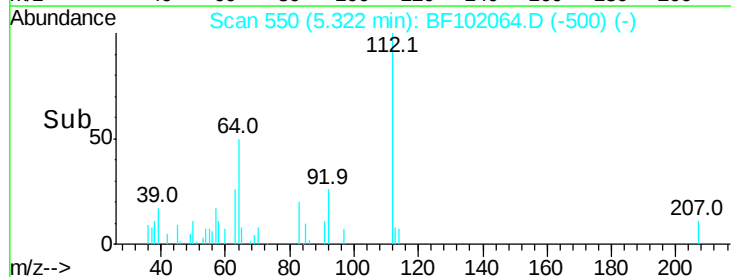
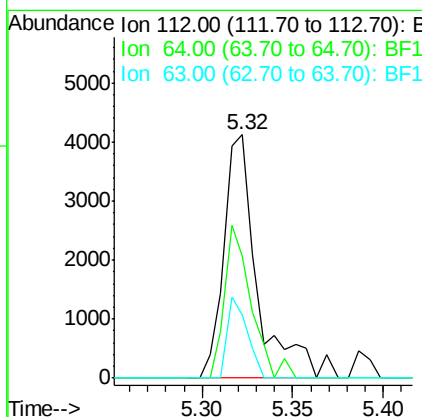
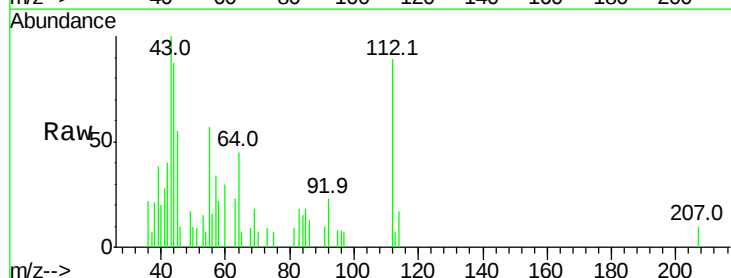
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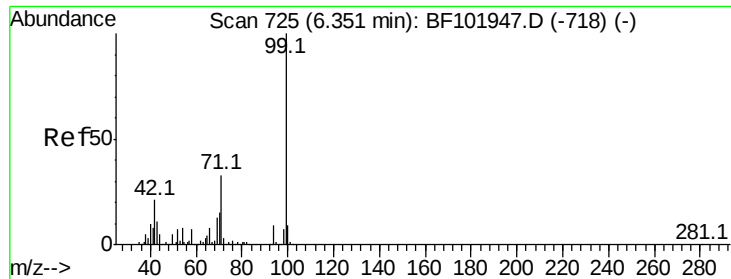


#5

2-Fluorophenol
Concen: 0.370 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	47.9	71.9
63	25.8	23.7	35.5





#7

Phenol-d6

Concen: 0.360 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Instrument :

BNA_F

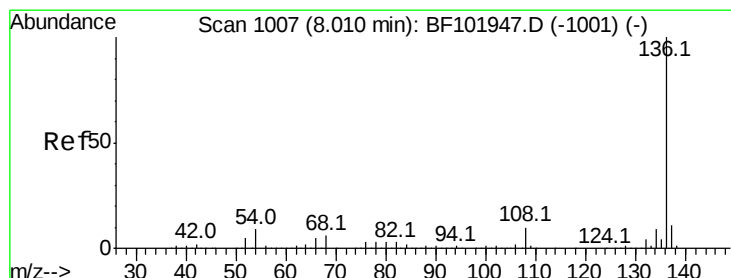
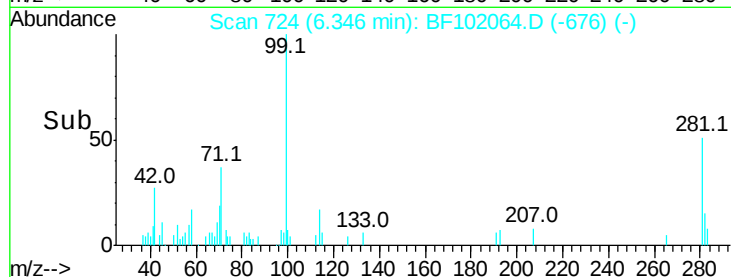
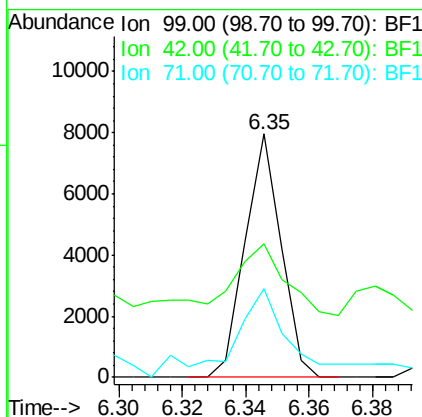
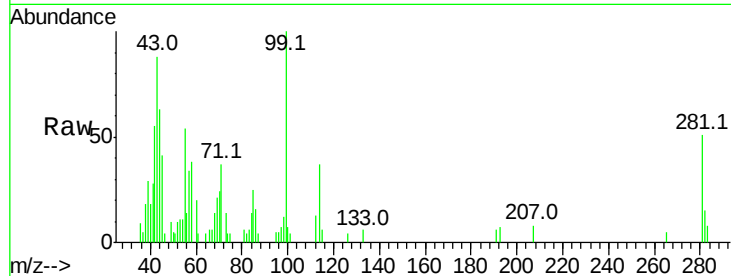
ClientSampleId :

A2-SB26-S

Tot Ion	Ratio	Lower	Upper
99	100		
42	54.8	14.5	21.7#
71	36.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

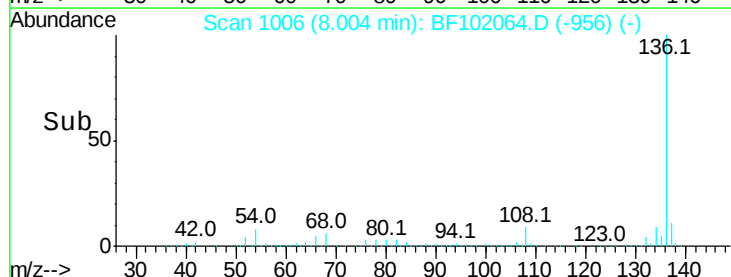
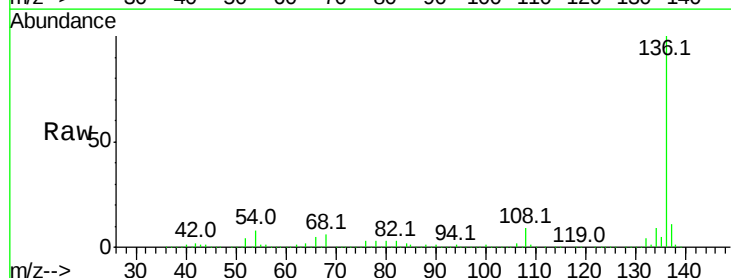
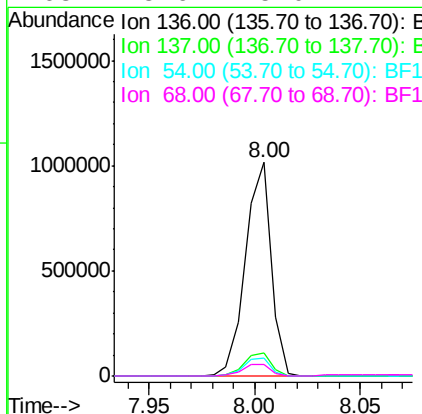
RT: 8.00 min Scan# 1006

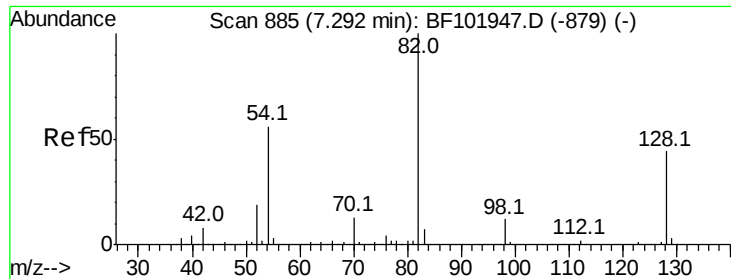
Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.1	6.6	9.8
68	5.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 0.298 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Instrument :

BNA_F

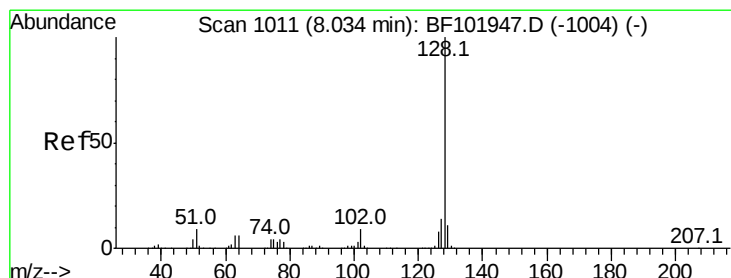
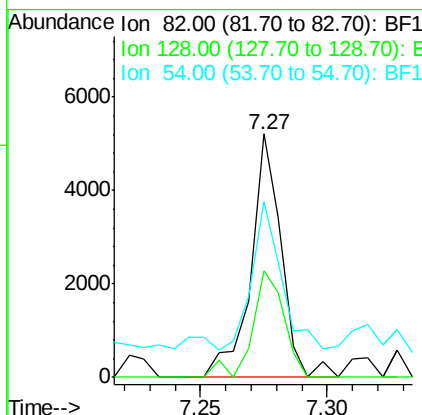
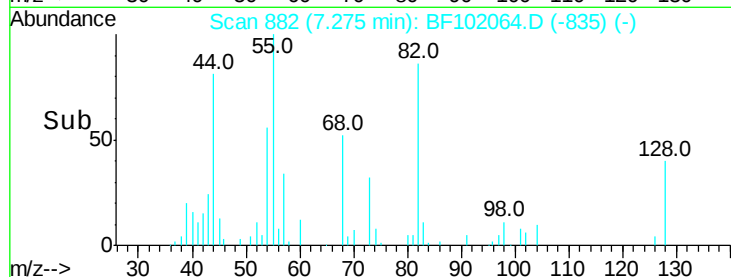
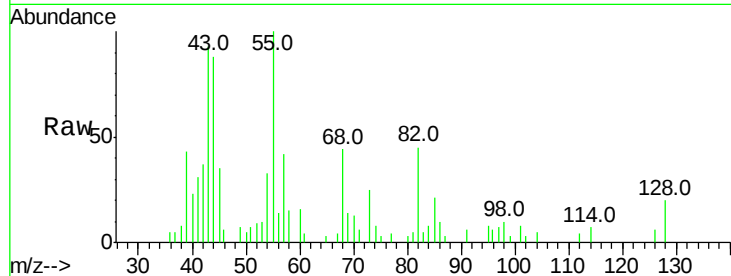
ClientSampled :

A2-SB26-S

Tot Ion:	82	Resp:	4359
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.1	54.1
54	72.3	41.4	62.2#

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#31

Naphthalene

Concen: 6.203 ng

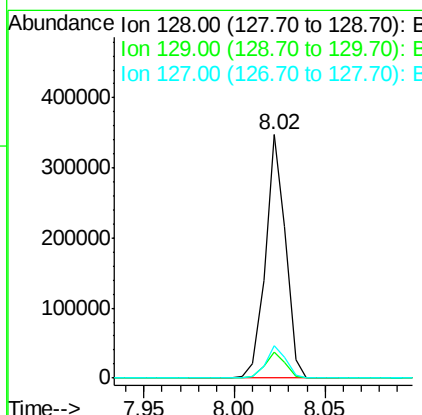
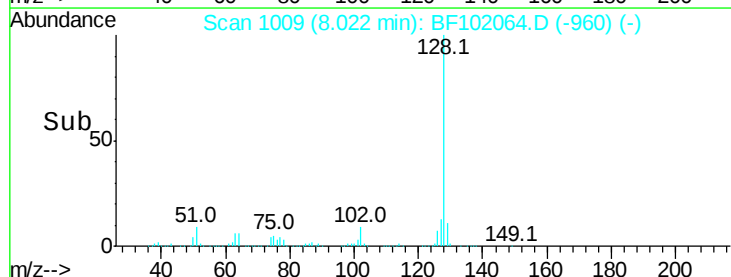
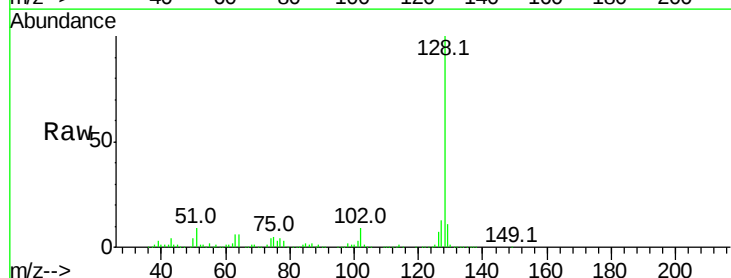
RT: 8.02 min Scan# 1009

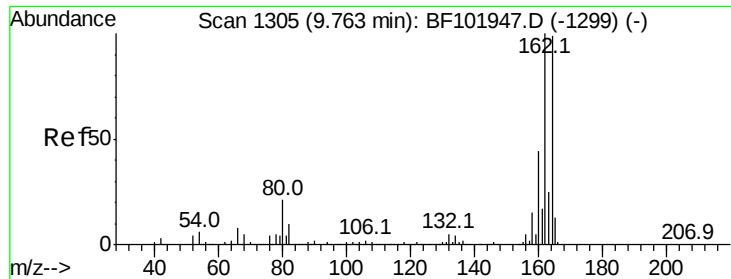
Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Tgt Ion:	128	Resp:	266617
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.4	10.9	16.3





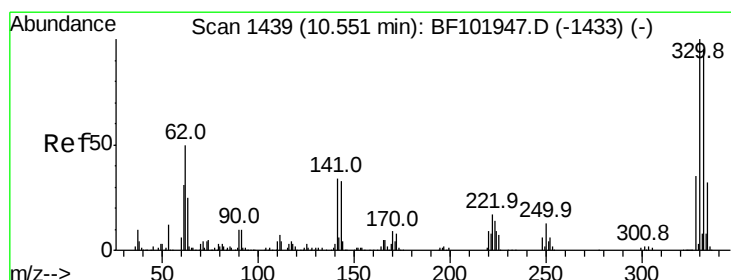
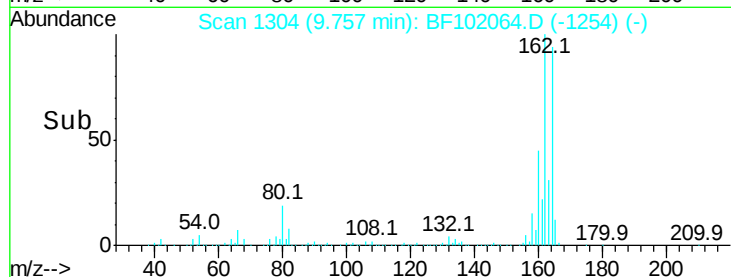
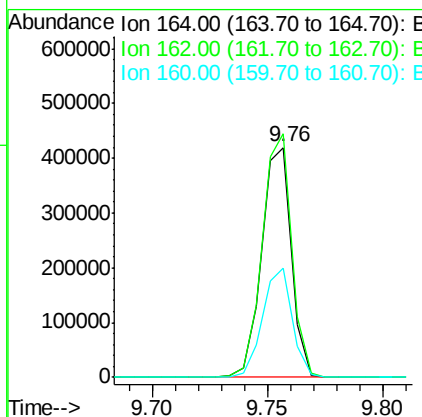
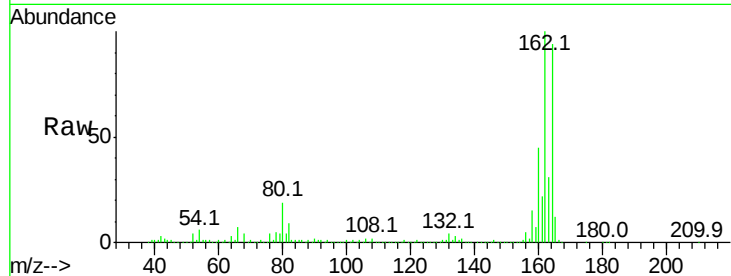
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102064.D
 Acq: 15 Jan 2018 15:53

Instrument :
 BNA_F
 ClientSampled :
 A2-SB26-S

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	47.3	38.3	57.5

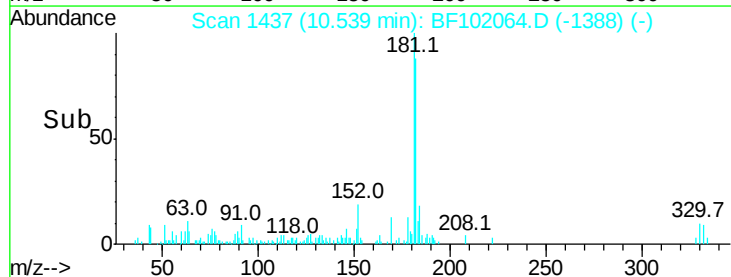
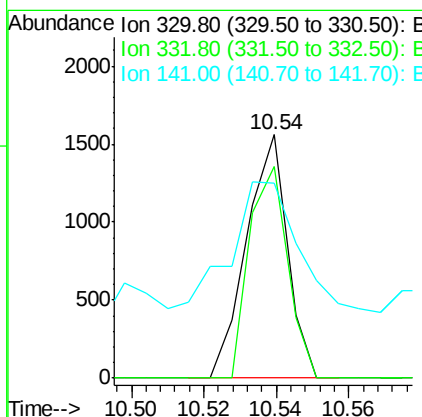
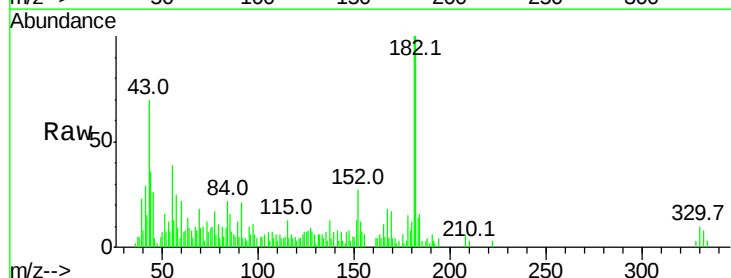
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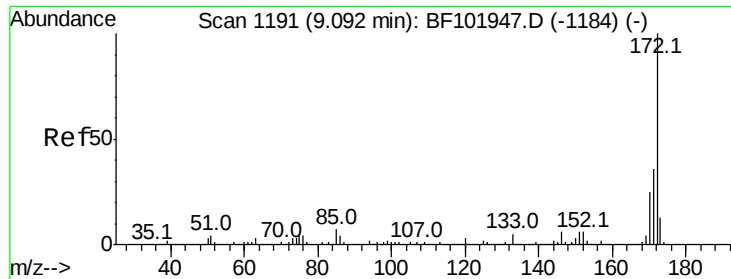
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#41
 2,4,6-Tribromophenol
 Concen: 0.370 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102064.D
 Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	81.1	77.0	115.6
141	91.8	29.9	44.9#





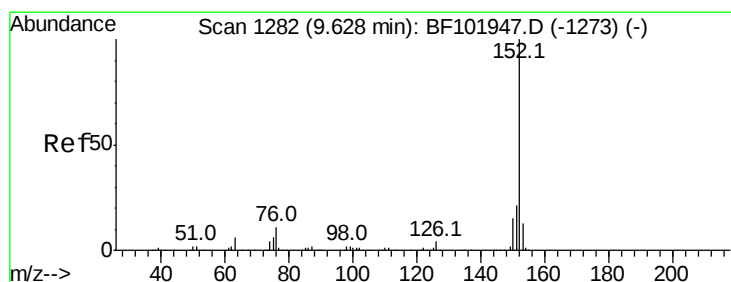
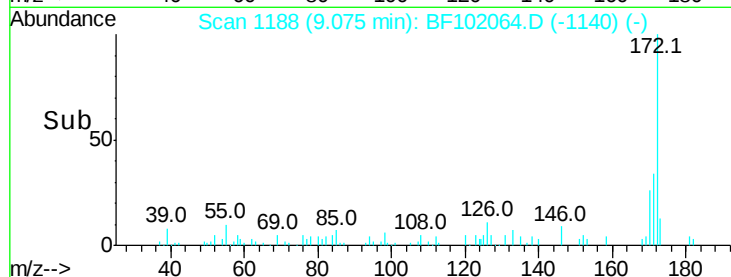
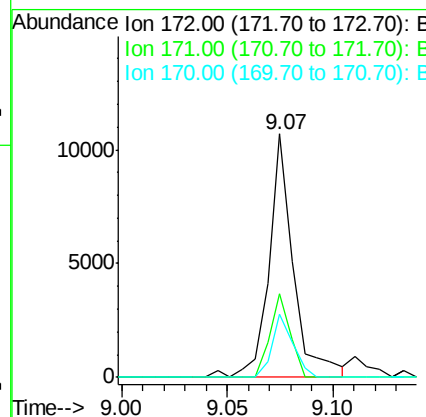
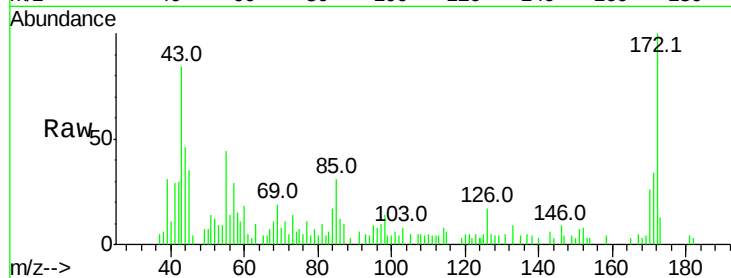
#44
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Instrument :
BNA_F
ClientSampled :
A2-SB26-S

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	25.9	19.6	29.4

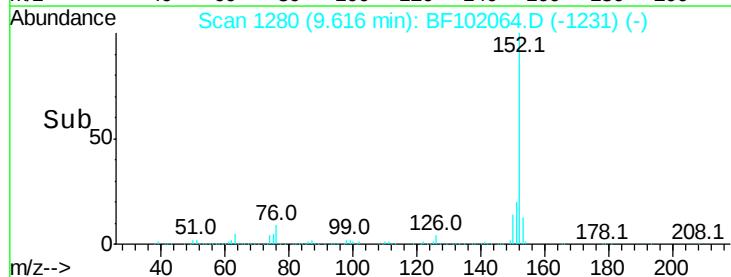
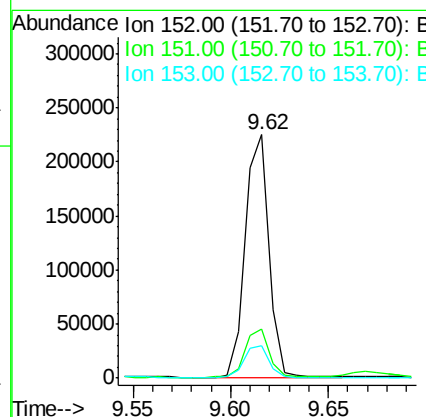
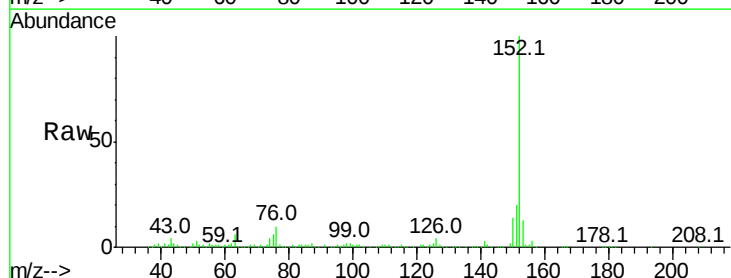
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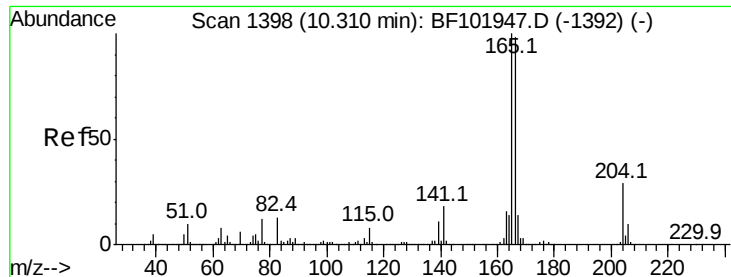
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#48
Acenaphthylene
Concen: 4.589 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.4	10.7	16.1





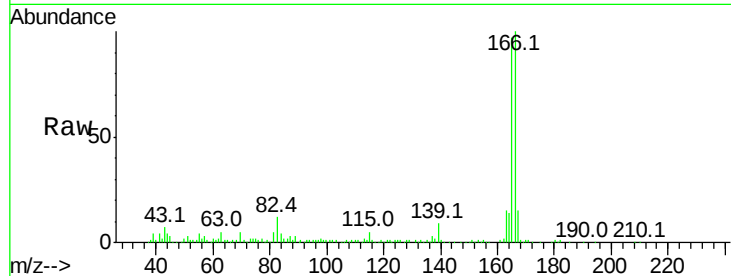
#57
Fluorene
 Concen: 4.603 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102064.D
 Acq: 15 Jan 2018 15:53

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB26-S

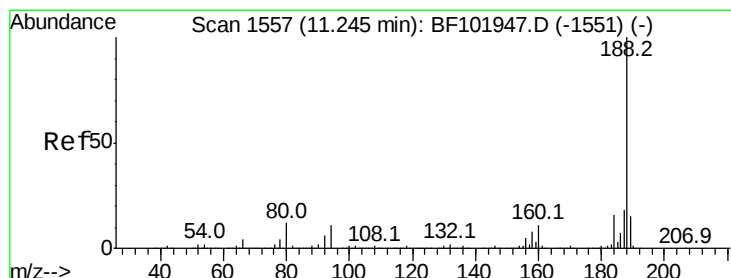
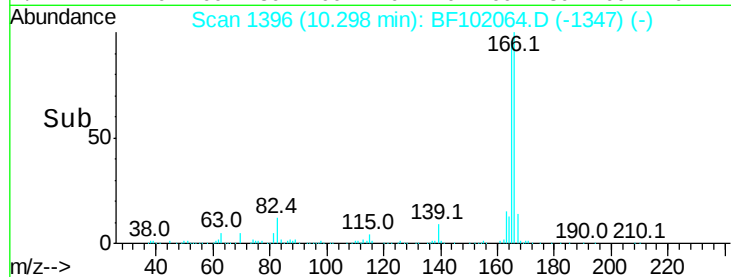
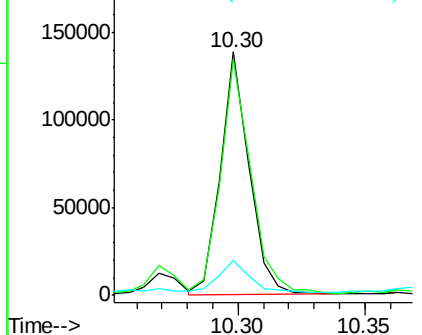
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.8	119.8
167	14.6	10.6	16.0

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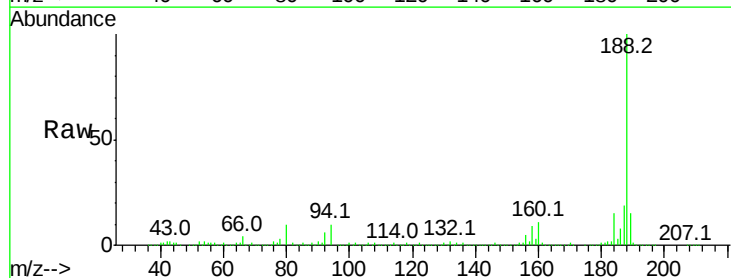


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

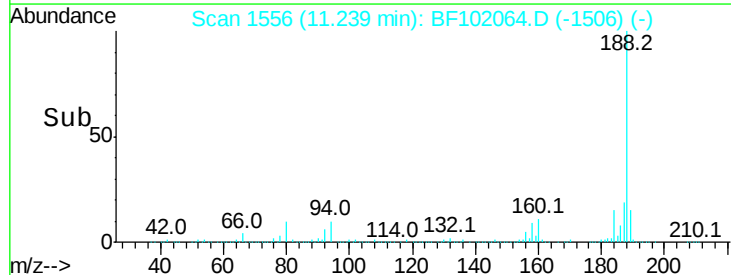
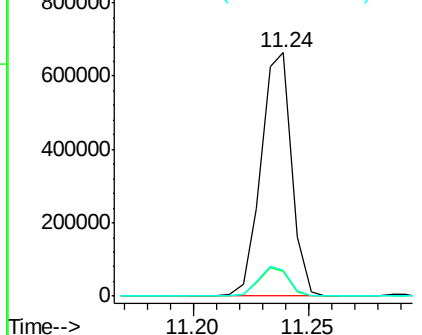


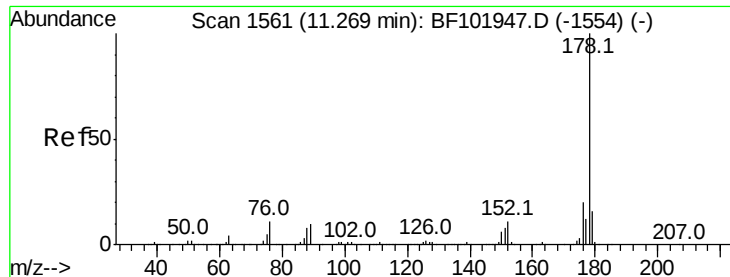
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102064.D
 Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.5	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: 16.005 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Instrument :

BNA_F

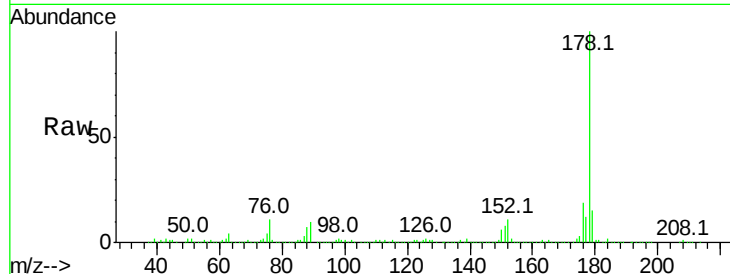
ClientSampled :

A2-SB26-S

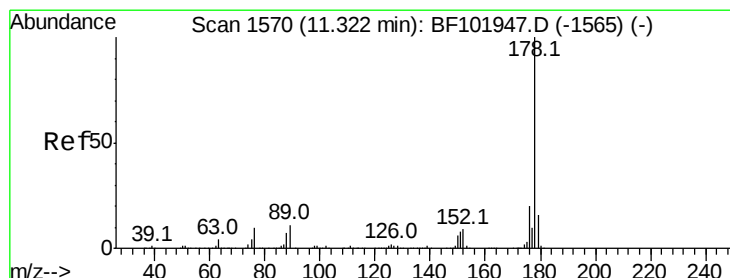
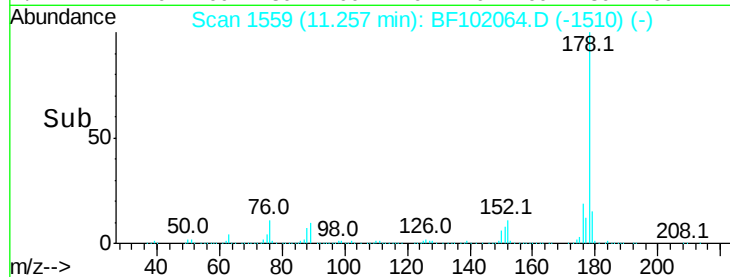
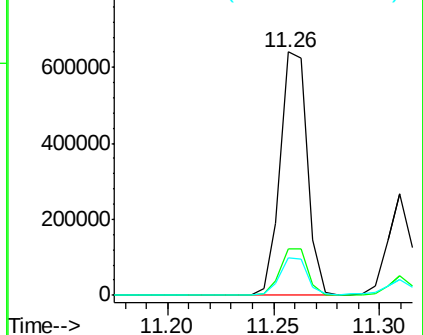
Tot Ion:	178	Resp:	574188
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.2	13.0	19.6

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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



#71

Anthracene

Concen: 5.526 ng

RT: 11.31 min Scan# 1568

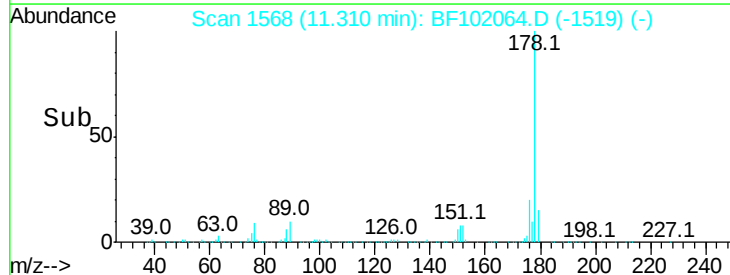
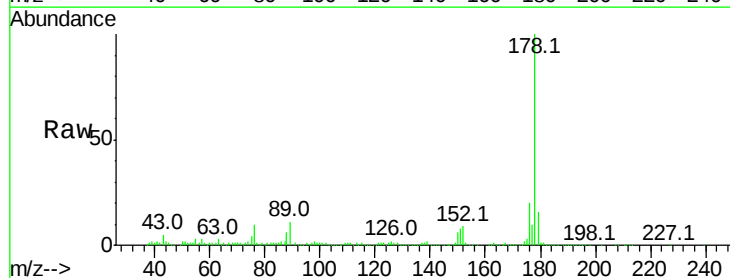
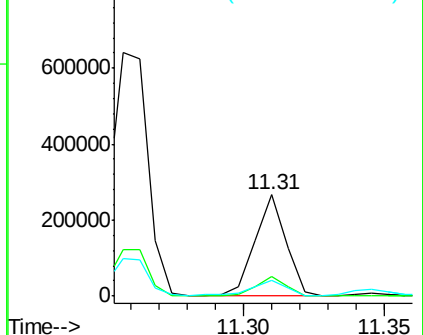
Delta R.T. -0.01 min

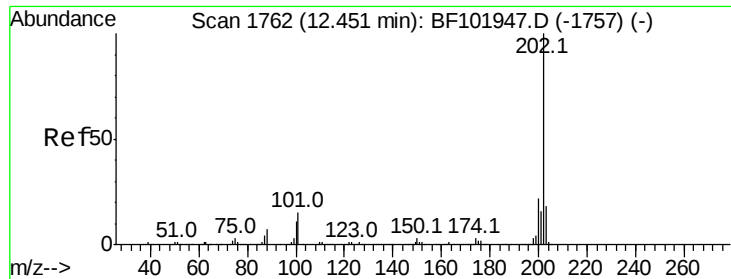
Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Tgt Ion:	178	Resp:	201064
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.4	23.2
179	15.7	12.6	19.0

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: 20.627 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Instrument :

BNA_F

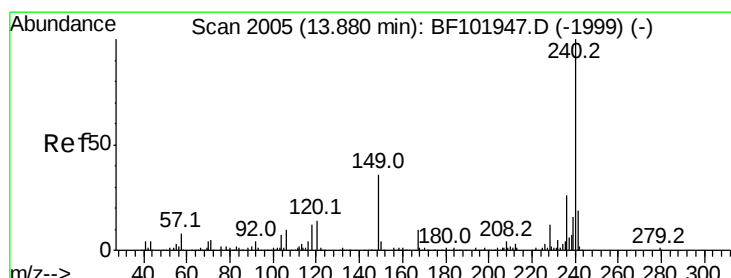
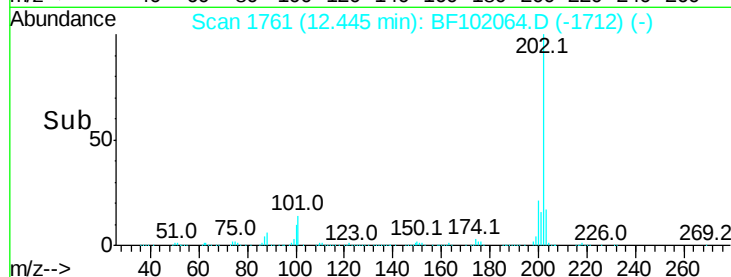
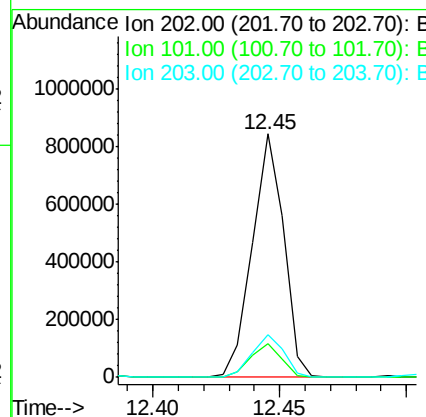
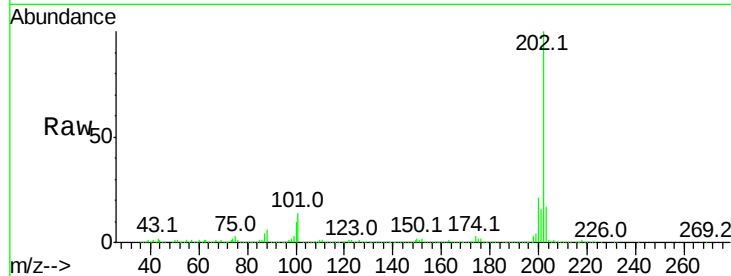
ClientSampled :

A2-SB26-S

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

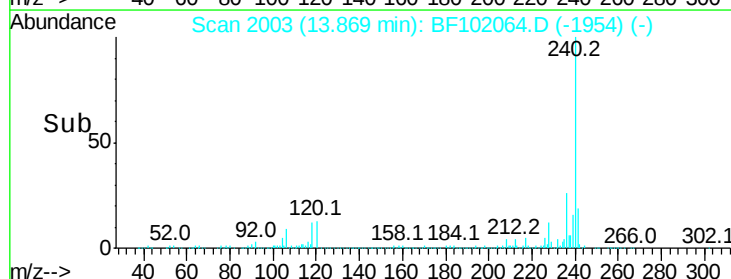
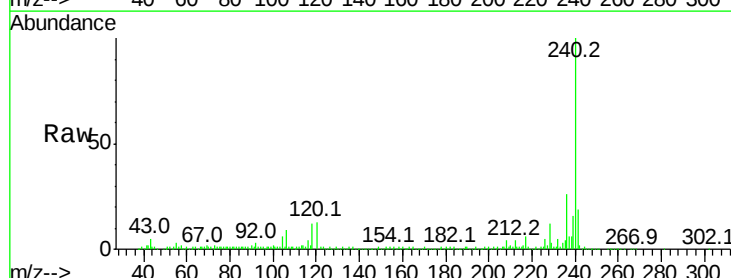
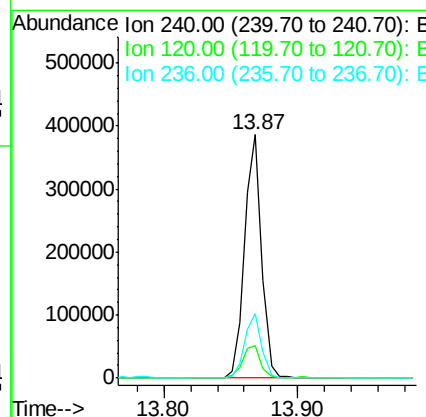
RT: 13.87 min Scan# 2003

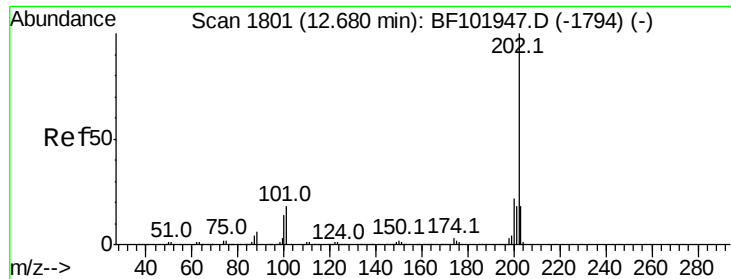
Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.3	20.7	31.1





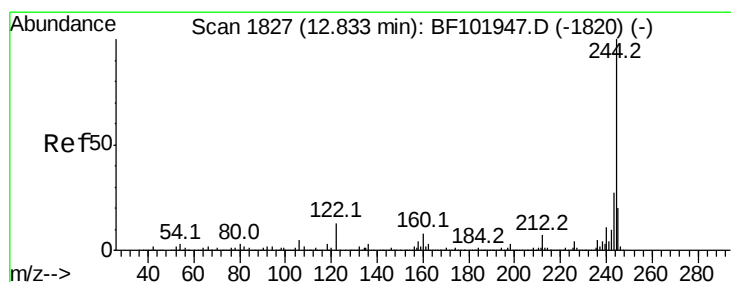
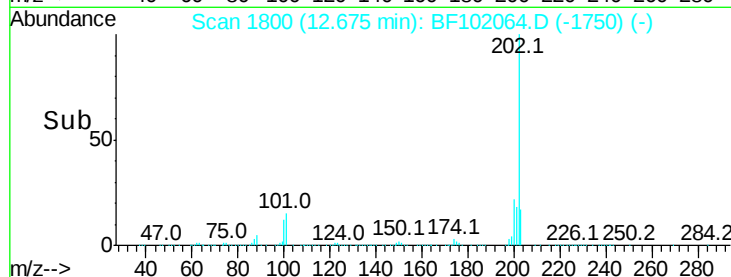
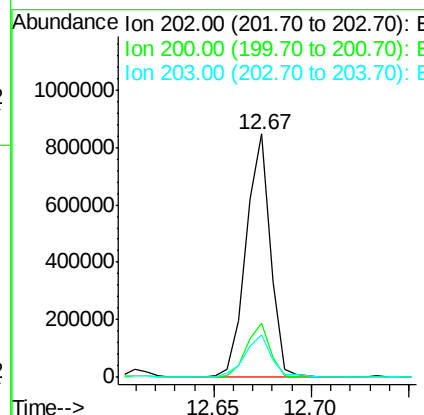
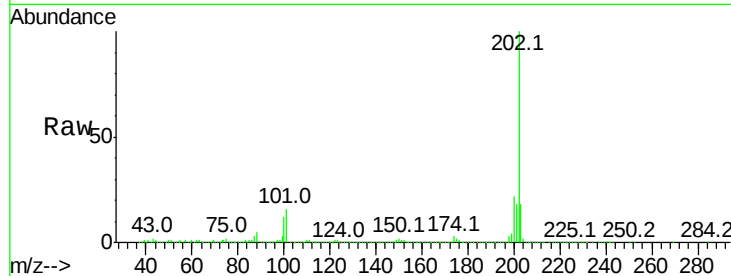
#77
Pvrene
Concen: 24.256 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Instrument :
BNA_F
ClientSampled :
A2-SB26-S

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.2	17.4	26.2
203	17.7	14.3	21.5

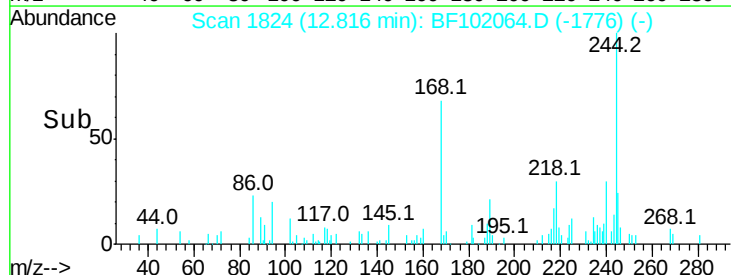
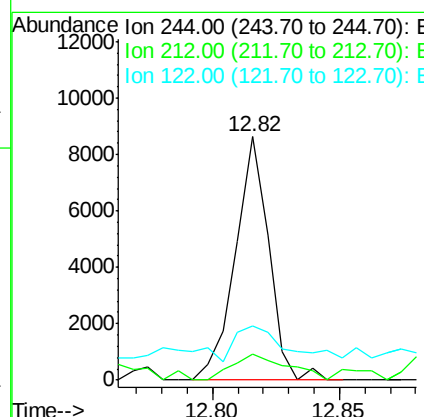
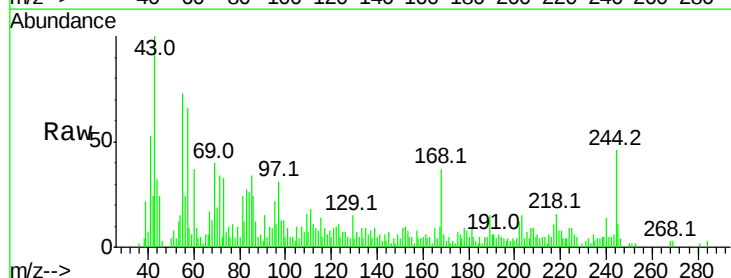
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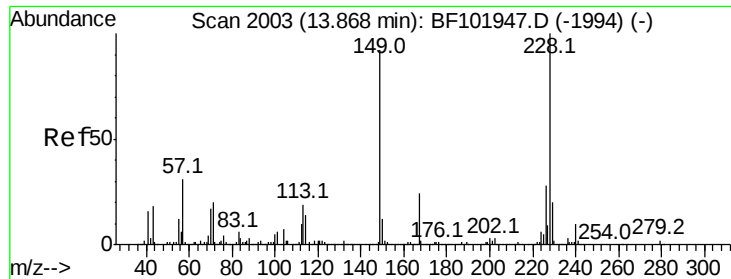
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#78
Terphenyl-d14
Concen: 0.484 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.6	5.4	8.0#
122	22.2	11.0	16.4#





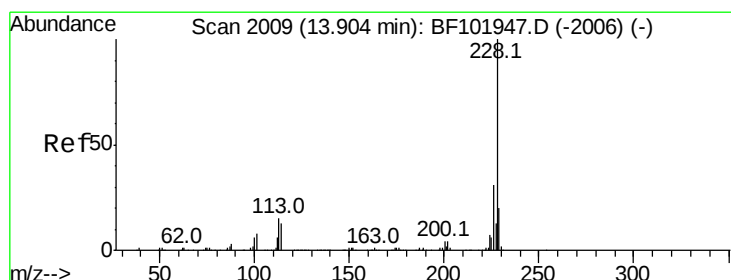
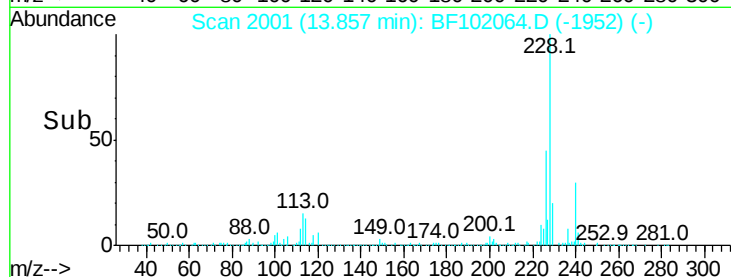
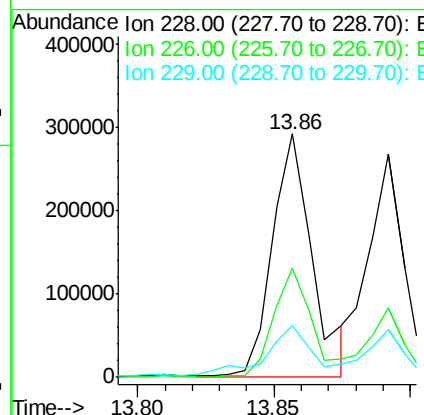
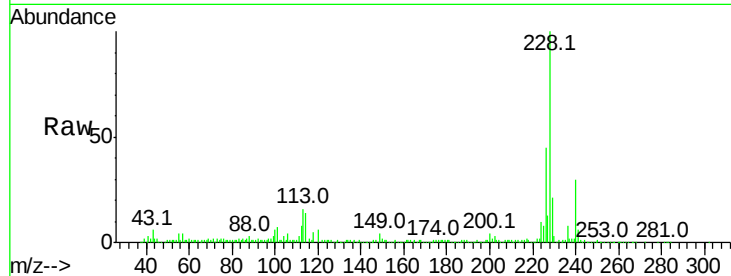
#80
Benzo(a)anthracene
Concen: 13.857 ng m
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Instrument :
BNA_F
ClientSampleId :
A2-SB26-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.1	22.6	33.8#
229	21.1	15.8	23.6

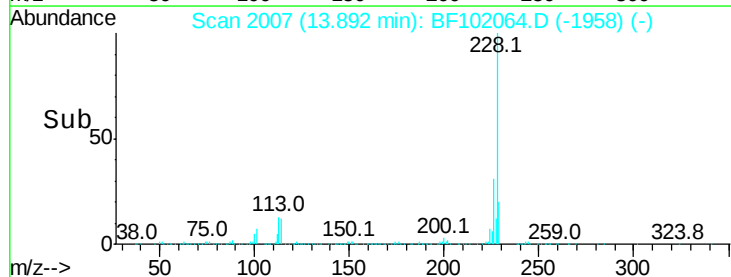
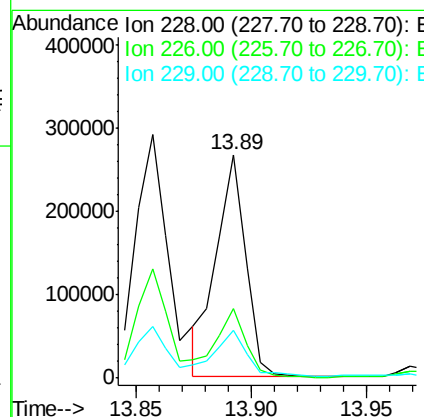
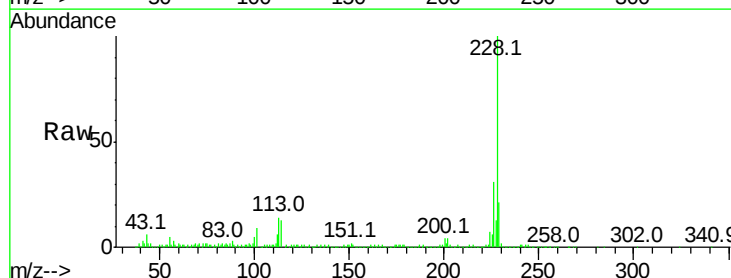
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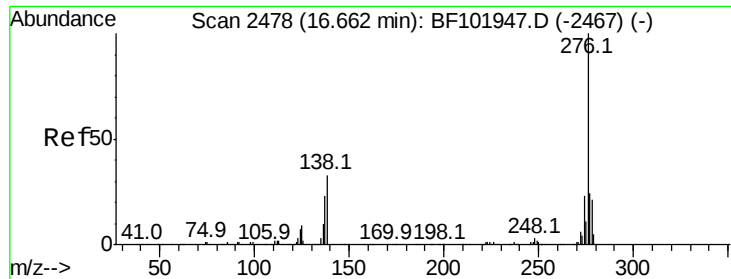
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#82
Chrysene
Concen: 10.553 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.2	16.2	24.4





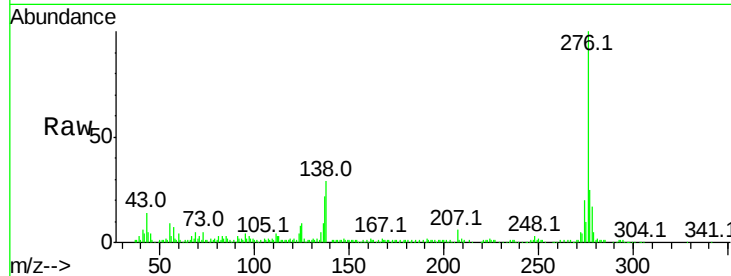
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.002 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.02 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Instrument :
BNA_F
ClientSampleId :
A2-SB26-S

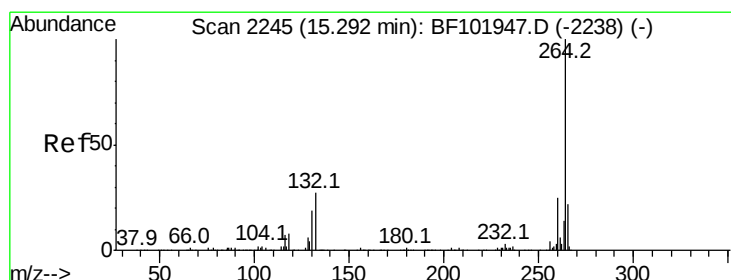
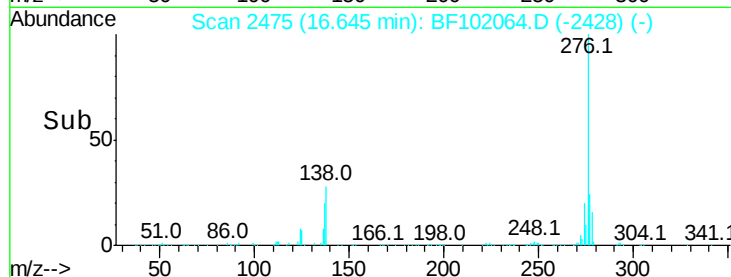
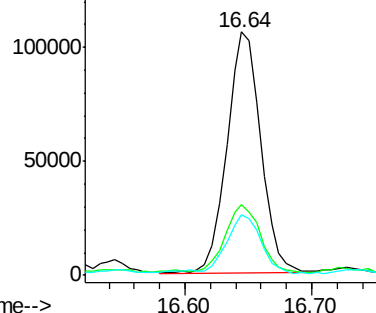
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	26.2	20.1	30.1

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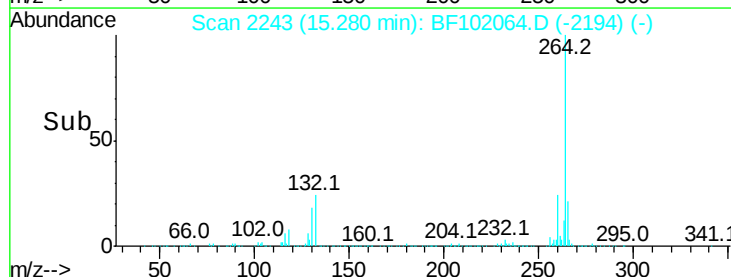
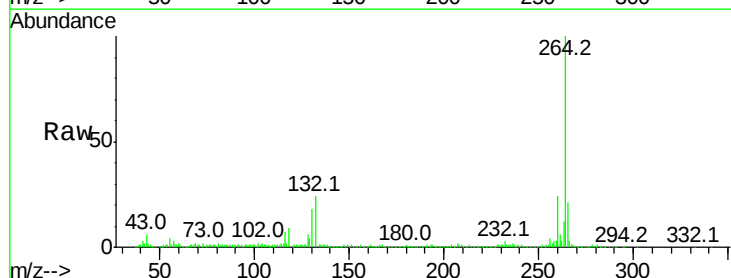
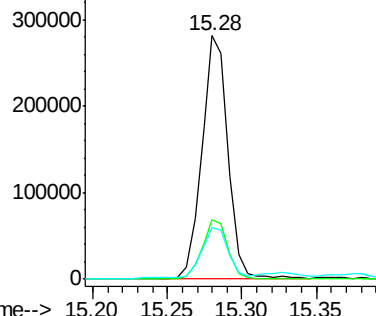
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

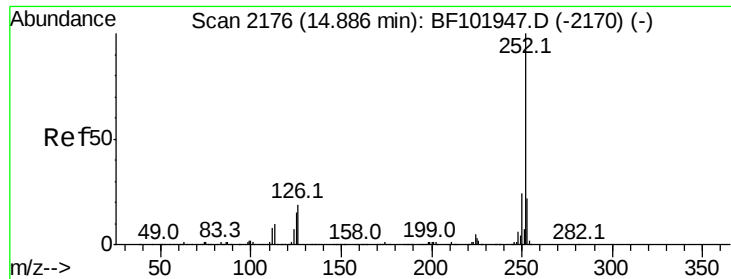


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.4	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.712 ng m

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Instrument :

BNA_F

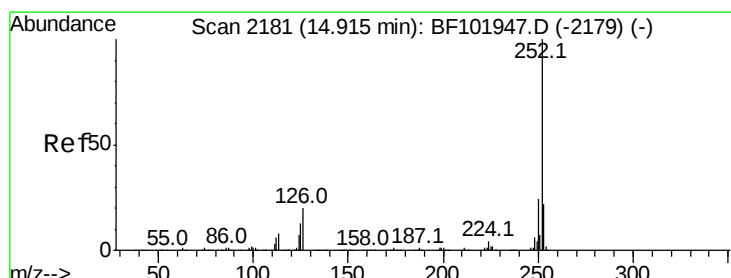
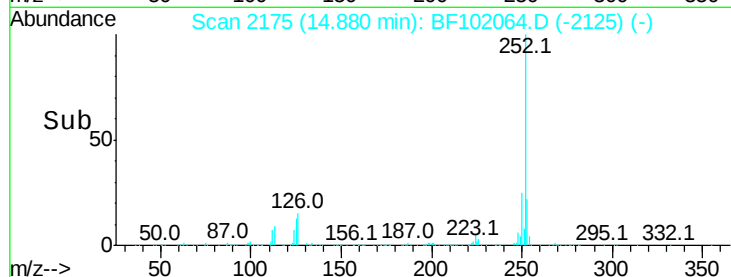
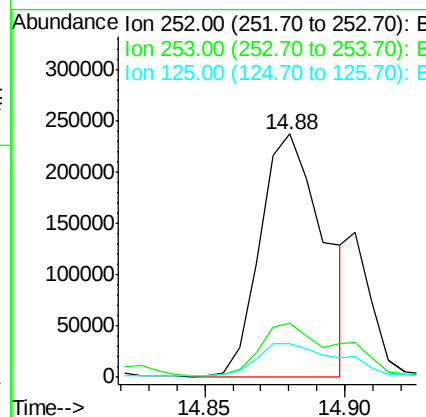
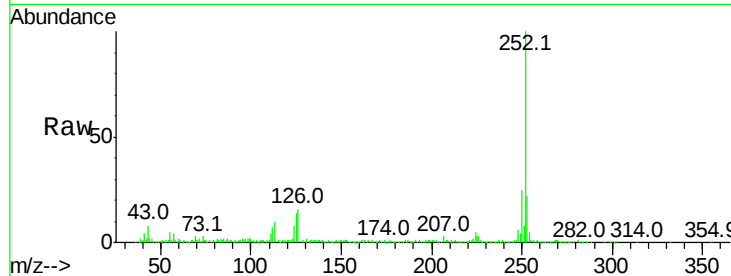
ClientSampleId :

A2-SB26-S

Tot Ion:	252	Resp:	372440
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	13.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 4.084 ng m

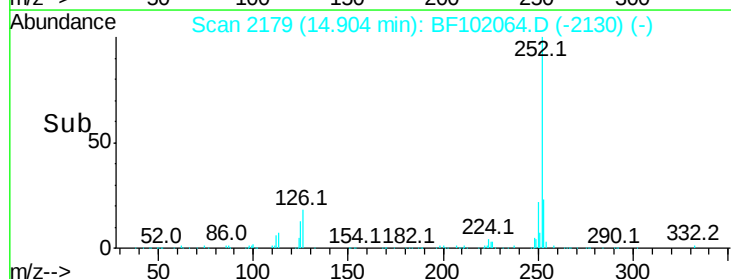
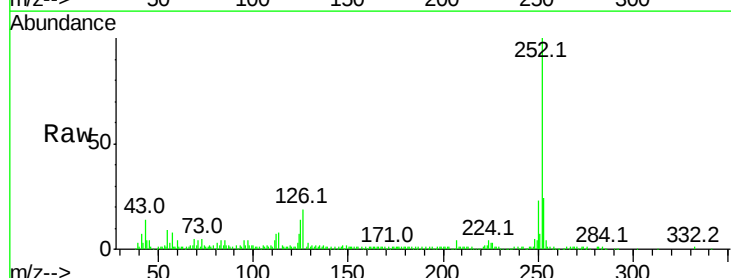
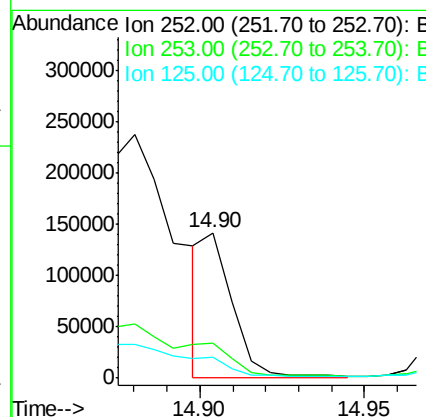
RT: 14.90 min Scan# 2179

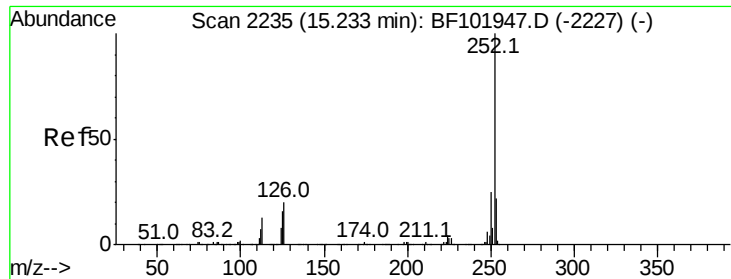
Delta R.T. -0.01 min

Lab File: BF102064.D

Acq: 15 Jan 2018 15:53

Tgt Ion:	252	Resp:	87810
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	14.1	10.2	15.2





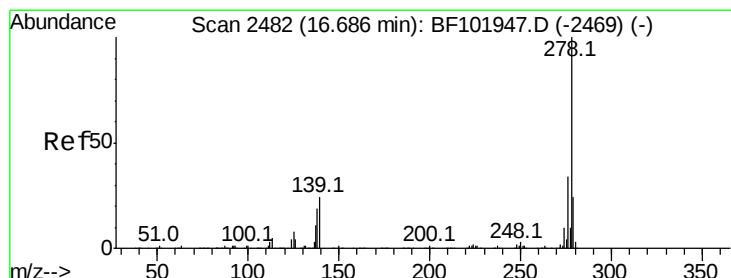
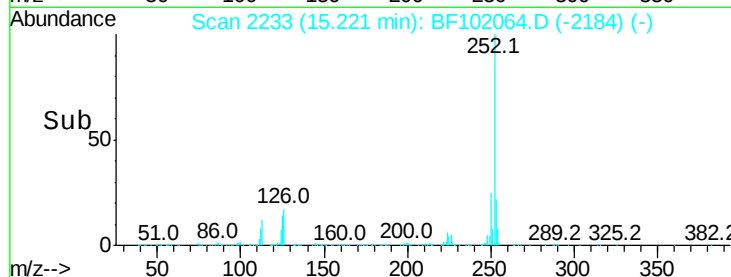
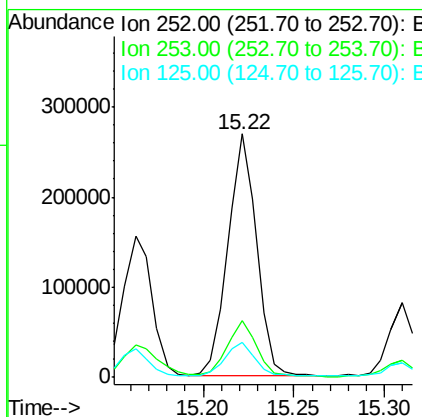
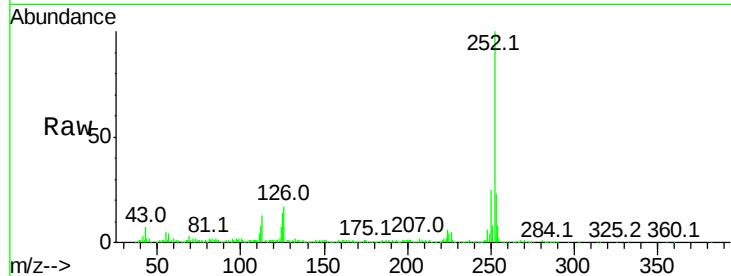
#89
Benzo(a)pyrene
Concen: 14.702 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Instrument :
BNA_F
ClientSampleId :
A2-SB26-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.3	9.8	14.6

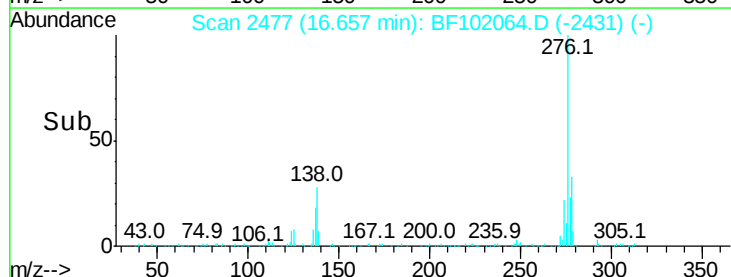
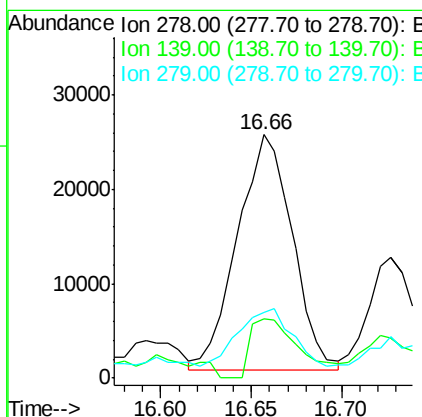
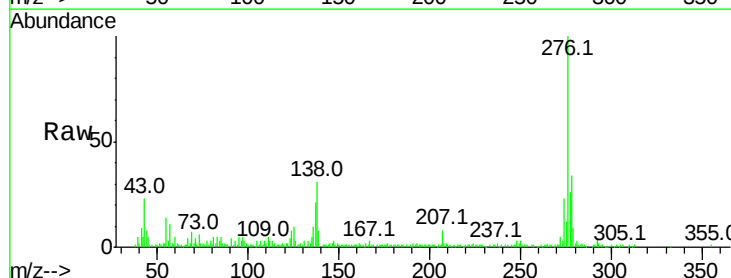
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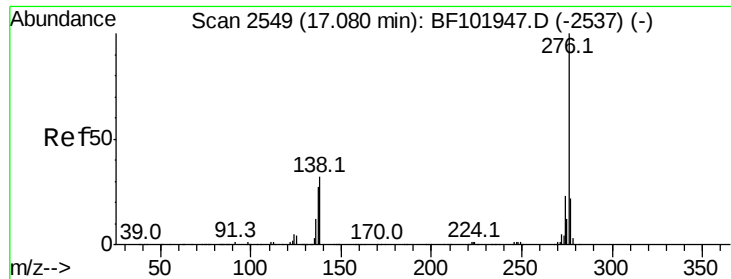
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#90
Dibenzo(a,h)anthracene
Concen: 3.301 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.03 min
Lab File: BF102064.D
Acq: 15 Jan 2018 15:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	15.9	23.9#
279	26.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.394 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF102064.D
 Acq: 15 Jan 2018 15:53

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB26-S

Tot Ion:	276	Resp:	199805
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	27.7	21.8	32.8

Manual Integrations
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