

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102522.D
 Acq On : 27 Jan 2018 20:42
 Operator : SJ/JU
 Sample : J1009-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-B

Manual Integrations
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 1/29/2018 5:44:37 PM

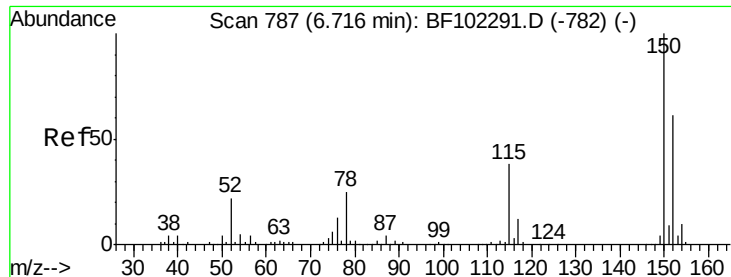
Quant Time: Jan 27 22:10:50 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	171946	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	677314	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	272382	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	379465	20.00	ng	0.00
75) Chrysene-d12	13.88	240	286976	20.00	ng	0.00
86) Perylene-d12	15.32	264	216408	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1088250	95.96	ng	0.01
7) Phenol-d6	6.36	99	1324892	96.91	ng	0.00
23) Nitrobenzene-d5	7.29	82	799759	67.86	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	201356	74.61	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1154721	62.33	ng	0.00
78) Terphenyl-d14	12.82	244	762304	59.88	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	50193	3.363	ng	96
49) Dimethylphthalate	9.47	163	120605	5.357	ng	99
51) Acenaphthene	9.78	154	41536	2.411	ng	98
57) Fluorene	10.30	166	40930	2.216	ng	99
70) Phenanthrene	11.26	178	386646	17.486	ng	98
71) Anthracene	11.31	178	66652	2.953	ng	97
72) Carbazole	11.47	167	50069	2.274	ng	98
74) Fluoranthene	12.45	202	529205	23.469	ng	99
77) Pyrene	12.68	202	430573	19.406	ng	99
80) Benzo(a)anthracene	13.87	228	219158	12.404	ng	99
82) Chrysene	13.90	228	224766	12.527	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	66527	4.490	ng	96
87) Benzo(b)fluoranthene	14.90	252	236204m	16.840	ng	
88) Benzo(k)fluoranthene	14.93	252	63386m	4.783	ng	
89) Benzo(a)pyrene	15.25	252	133022	10.515	ng	# 92
91) Benzo(g,h,i)perylene	17.14	276	61480	6.076	ng	93

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



#1

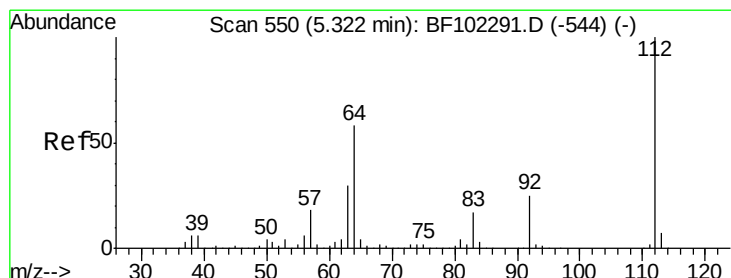
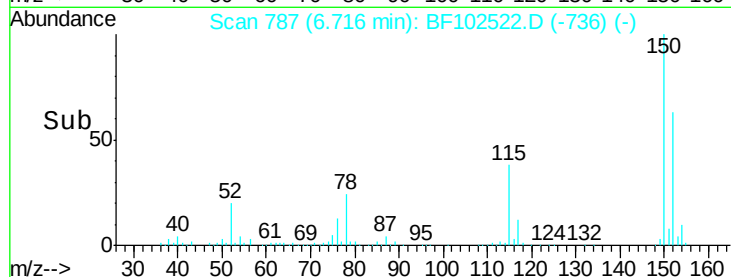
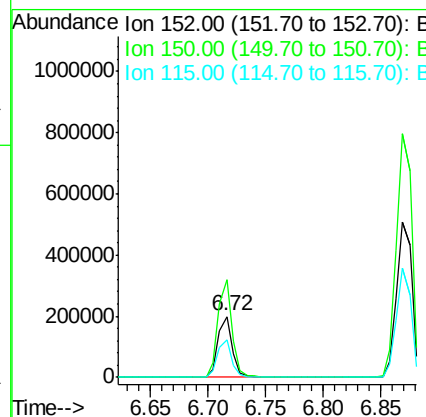
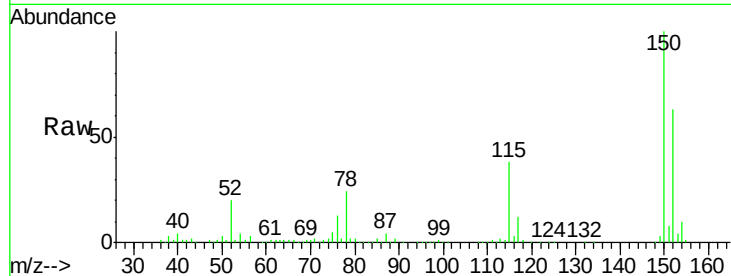
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Instrument :
BNA_F
ClientSampleId :
AU-06-012518-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
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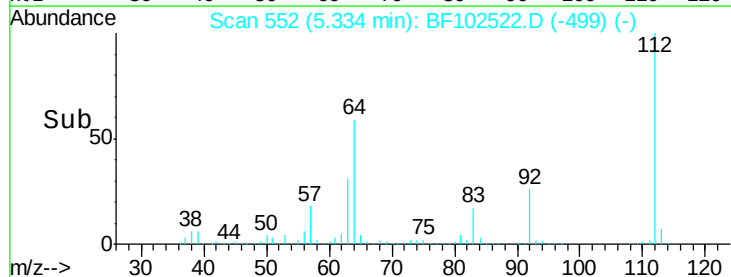
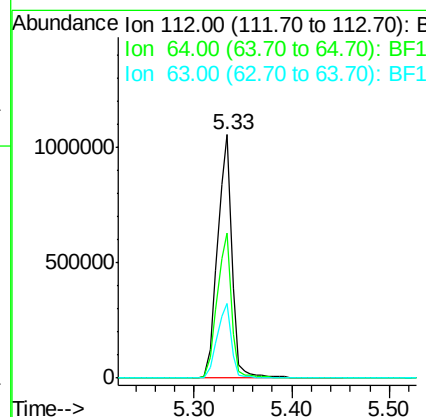
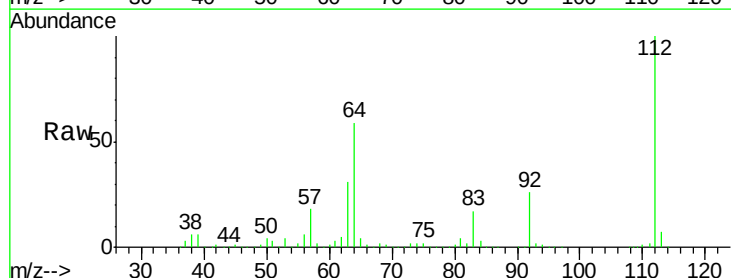
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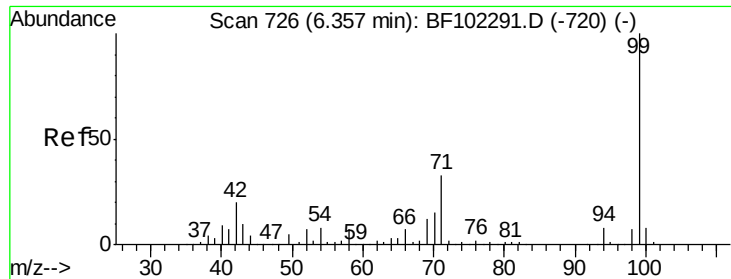


#5

2-Fluorophenol
Concen: 95.964 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 96.909 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-B

Tgt Ion: 99 Resp: 1324892

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

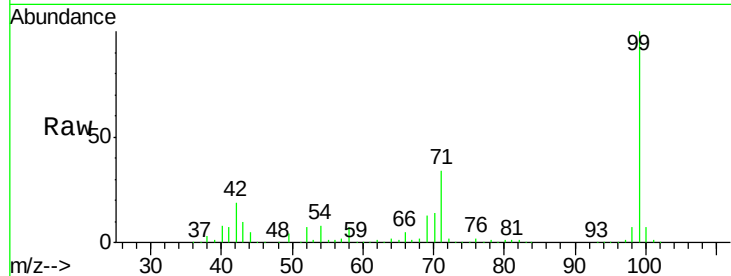
71 33.7 25.4 38.0

Manual Integrations

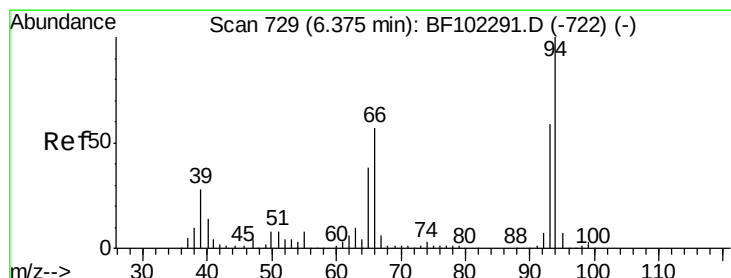
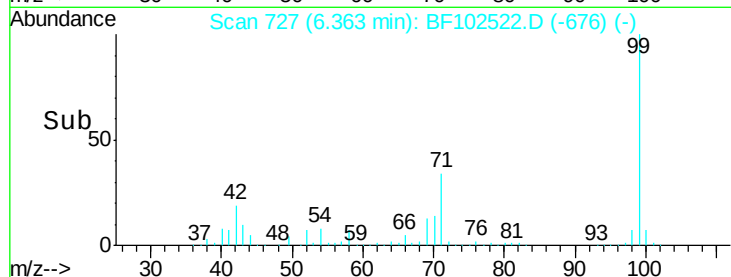
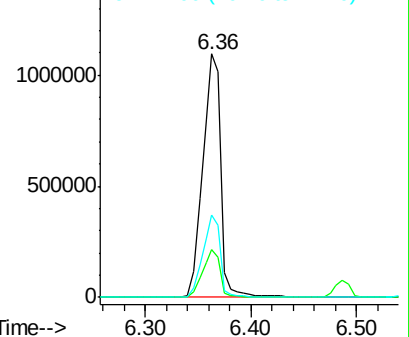
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.363 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

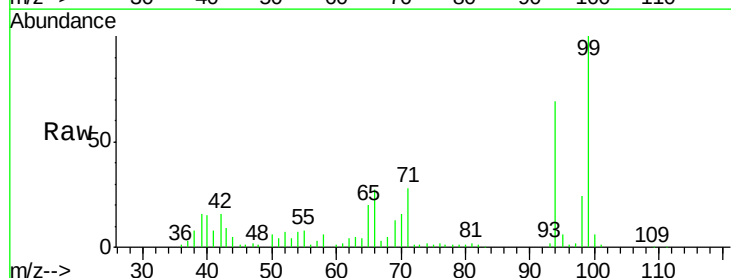
Tgt Ion: 94 Resp: 50193

Ion Ratio Lower Upper

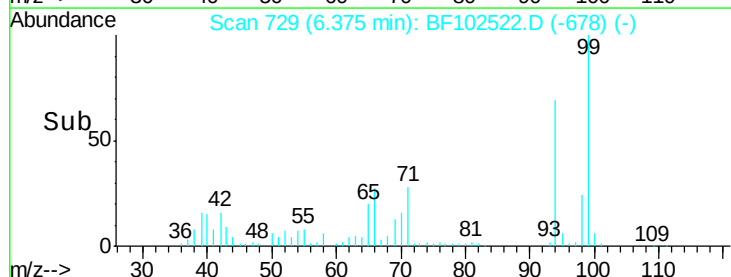
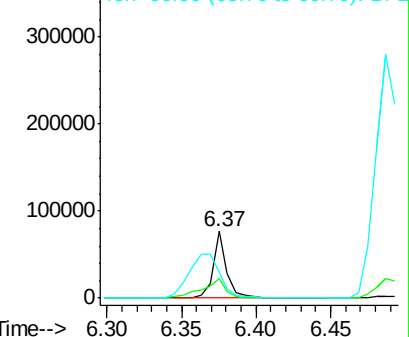
94 100

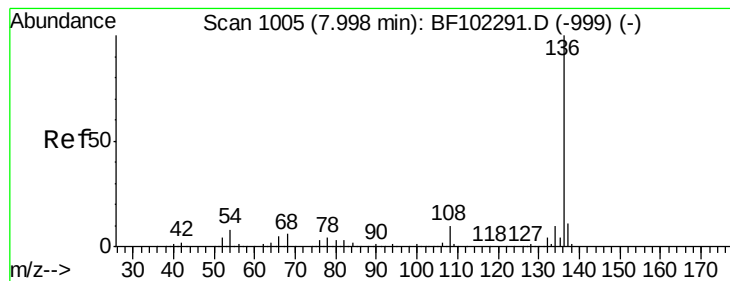
65 29.0 7.9 47.9

66 39.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

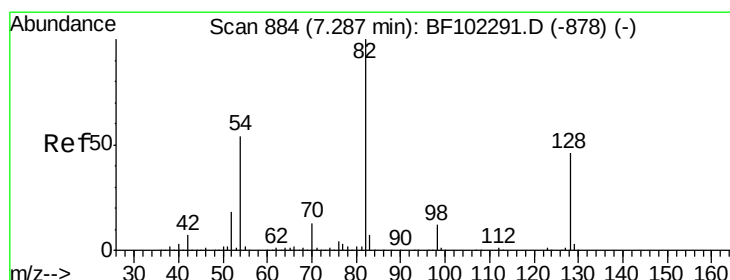
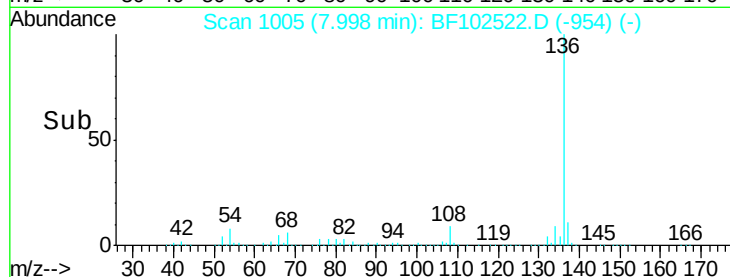
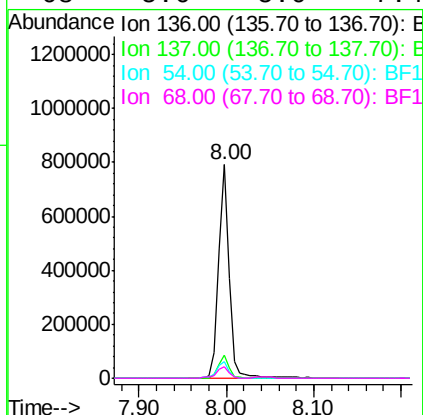
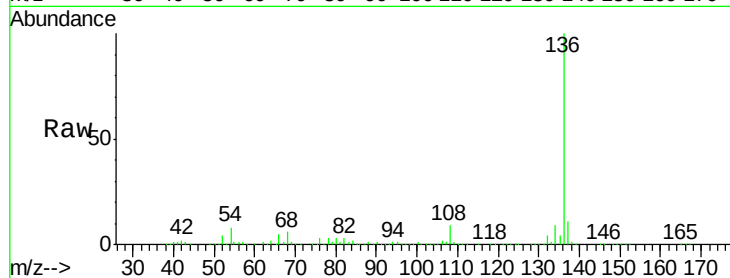
ClientSampleId :

AU-06-012518-B

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	677314		
137	10.7	8.9	13.3	
54	8.0	6.6	9.8	
68	5.6	5.0	7.4	

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#23

Nitrobenzene-d5

Concen: 67.856 ng

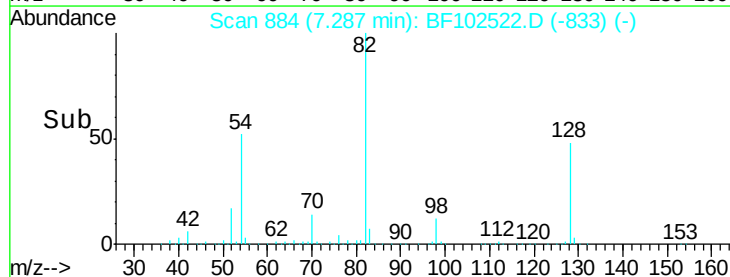
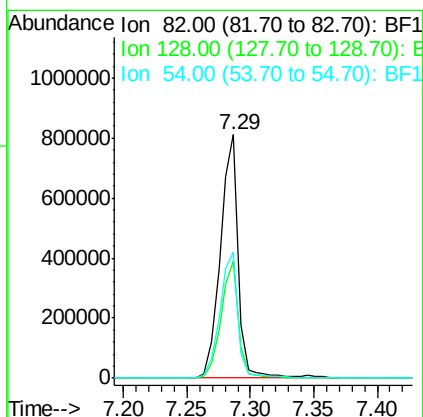
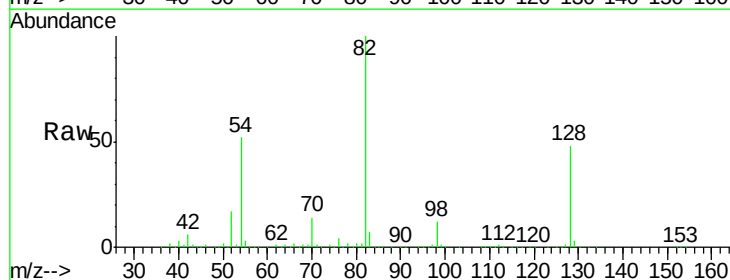
RT: 7.29 min Scan# 884

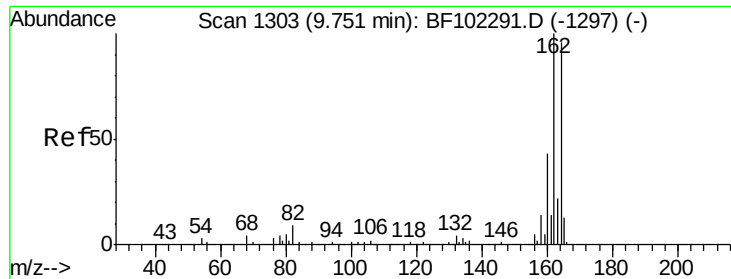
Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	799759		
128	47.9	36.1	54.1	
54	51.7	41.4	62.2	





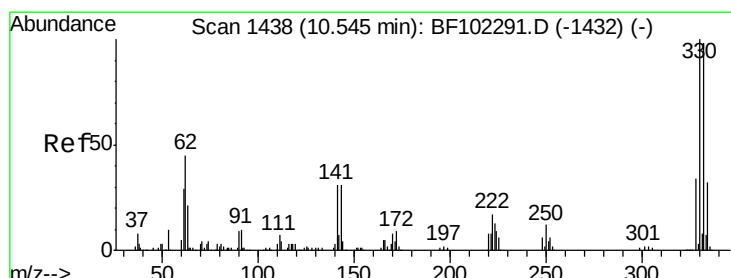
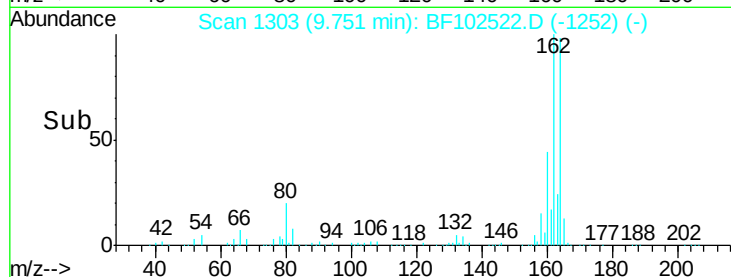
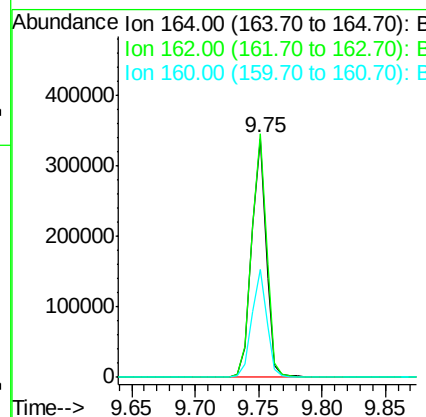
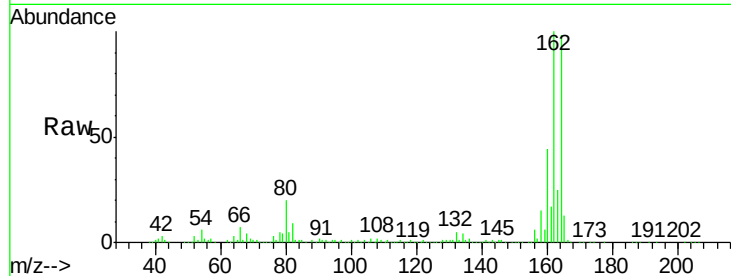
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102522.D
 Acq: 27 Jan 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-B

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	272382		
162	101.9	86.1	129.1	
160	45.2	38.3	57.5	

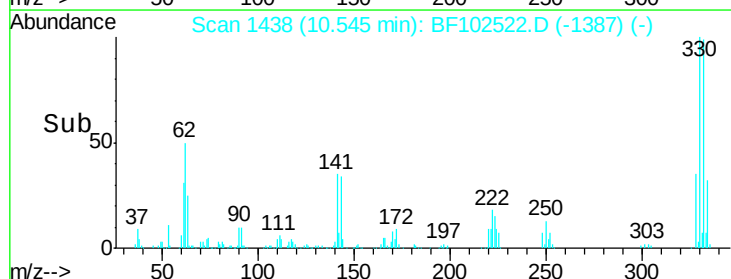
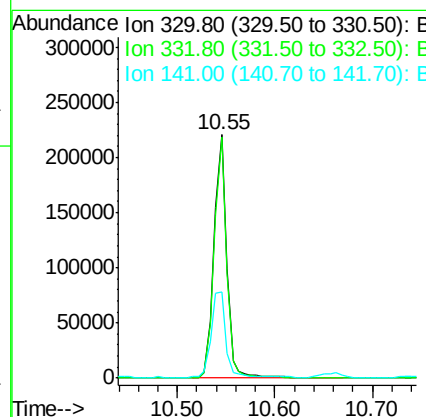
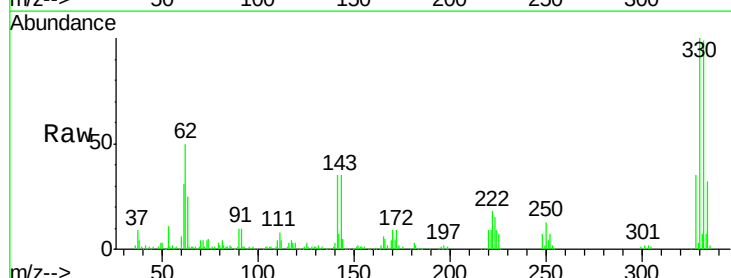
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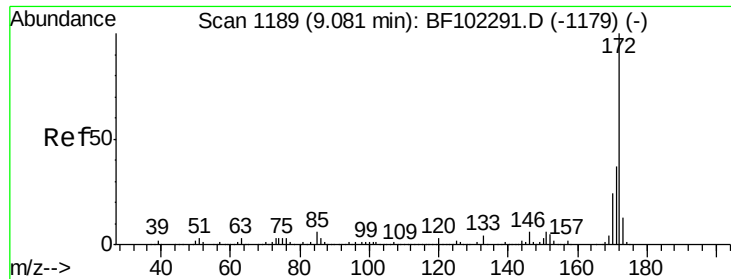
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#41
 2,4,6-Tribromophenol
 Concen: 74.606 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102522.D
 Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	201356		
332	96.5	77.0	115.6	
141	40.1	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 62.333 ng

RT: 9.07 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-B

Tgt Ion:172 Resp: 1154721

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

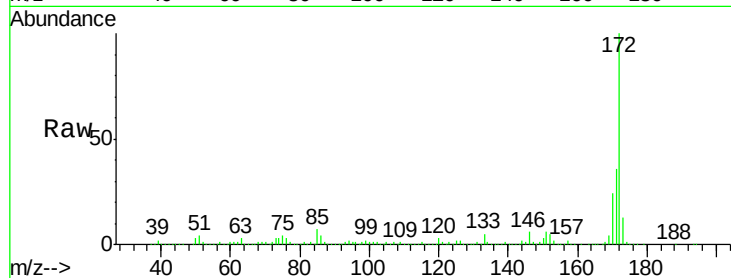
170 23.9 19.6 29.4

Manual Integrations

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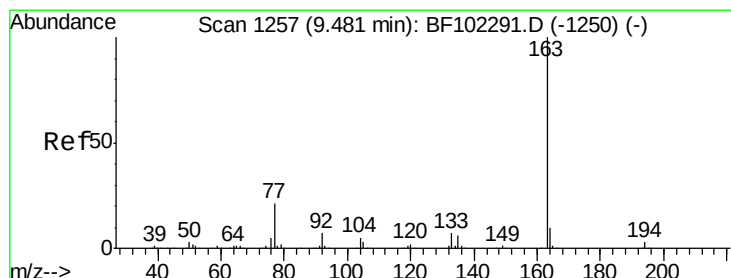
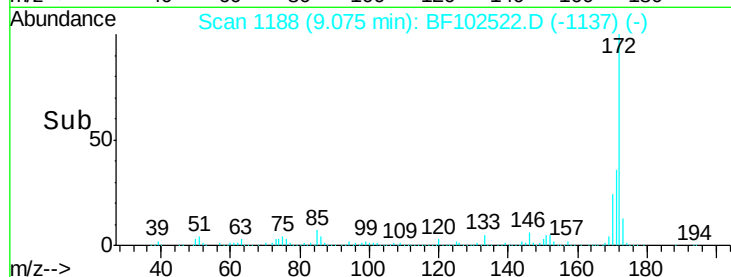
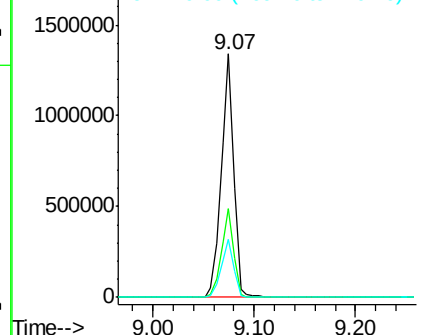
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 5.357 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

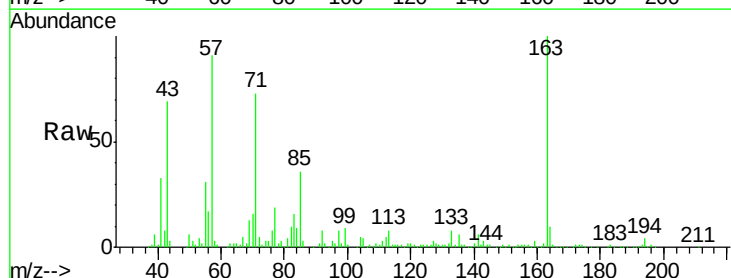
Tgt Ion:163 Resp: 120605

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

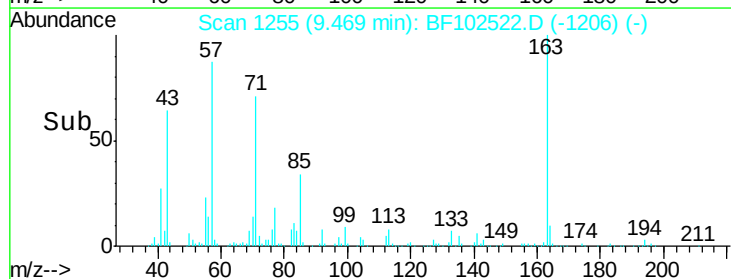
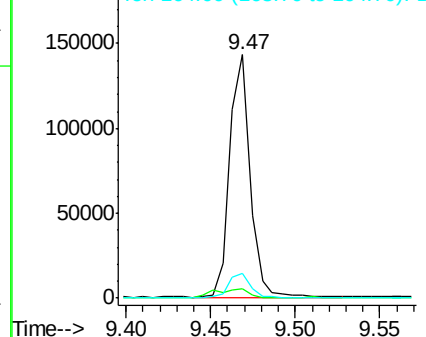
164 10.0 8.2 12.2

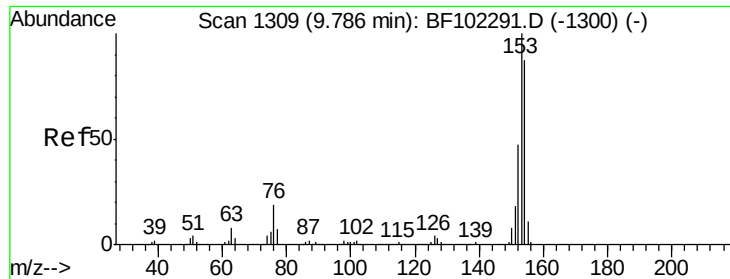


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.411 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

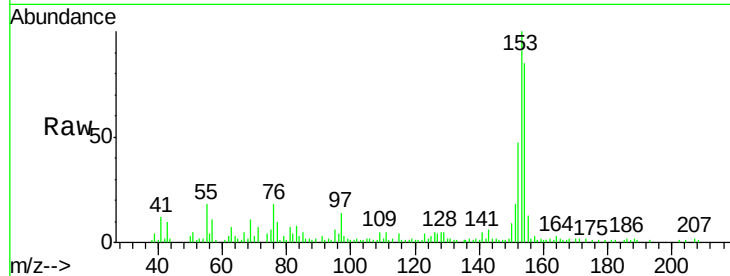
ClientSampleId :

AU-06-012518-B

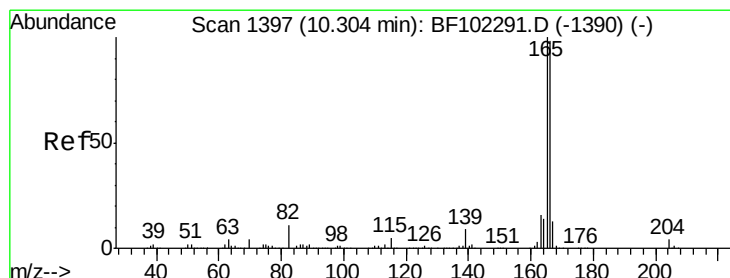
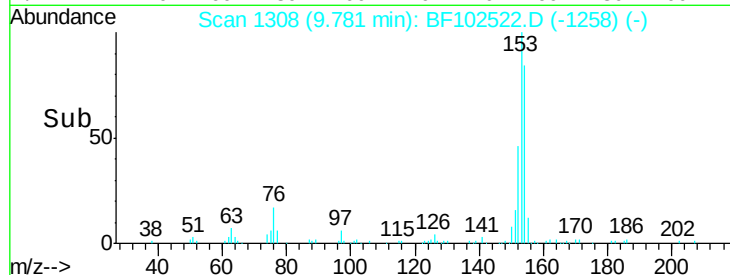
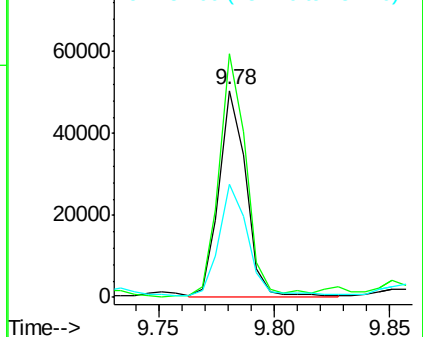
Tgt Ion:	154	Resp:	41536
Ion Ratio	Lower	Upper	
154	100		
153	117.8	91.2	136.8
152	55.0	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.216 ng

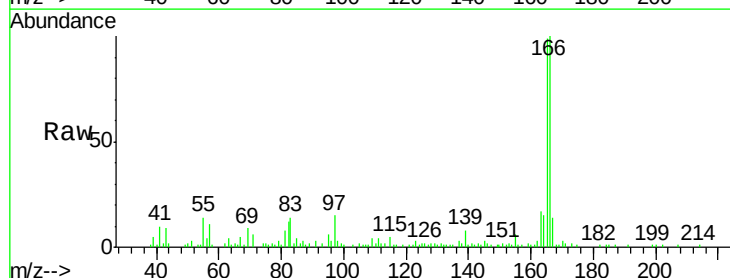
RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

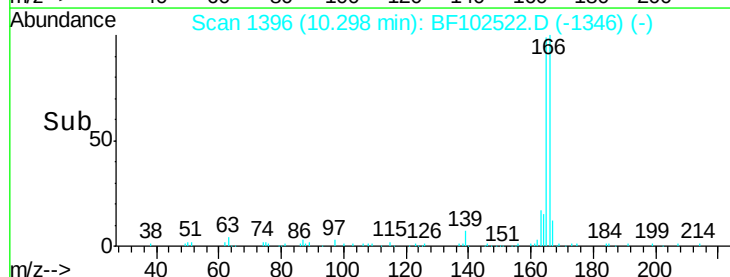
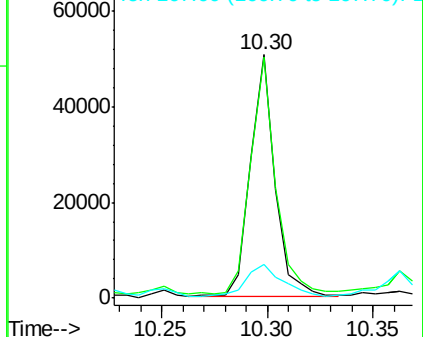
Lab File: BF102522.D

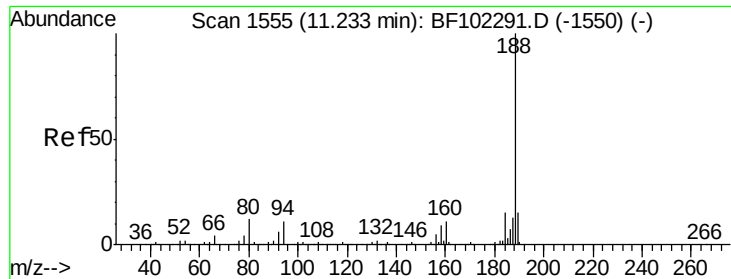
Acq: 27 Jan 2018 20:42

Tgt Ion:	166	Resp:	40930
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.8
167	13.9	10.6	16.0



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





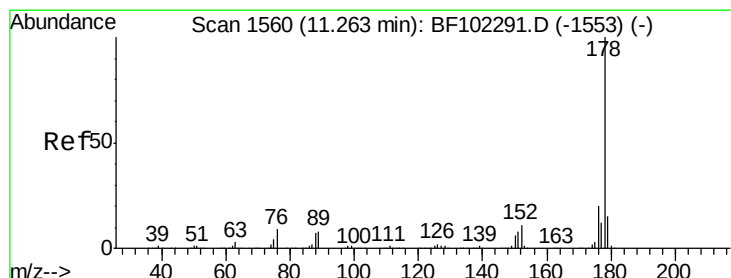
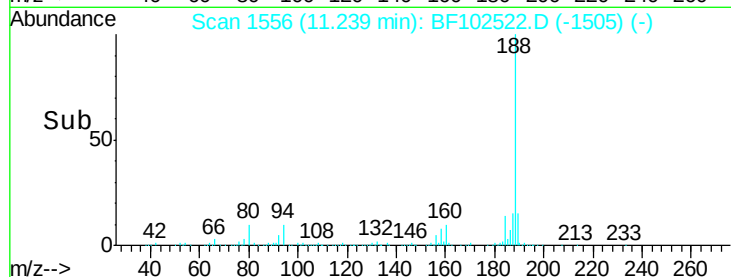
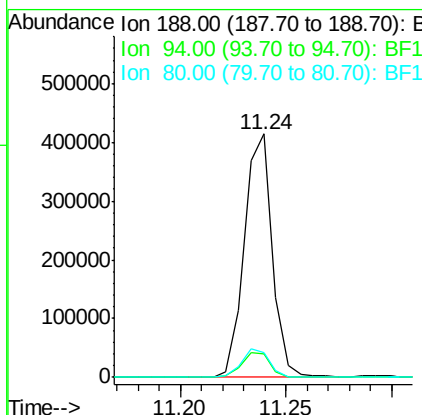
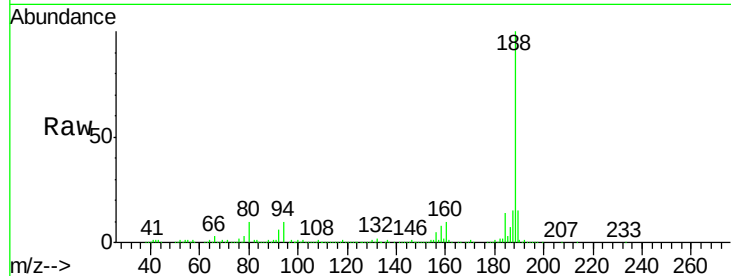
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Instrument :
BNA_F
ClientSampleId :
AU-06-012518-B

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	379465		
94	9.6	8.5	12.7	
80	10.2	9.2	13.8	

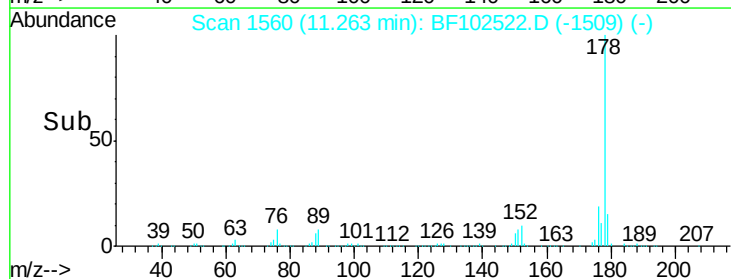
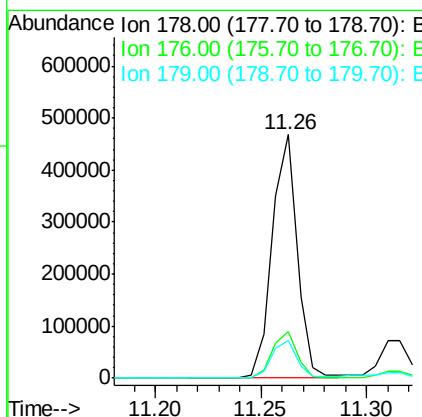
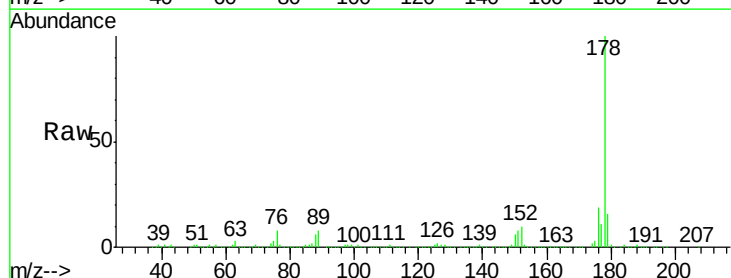
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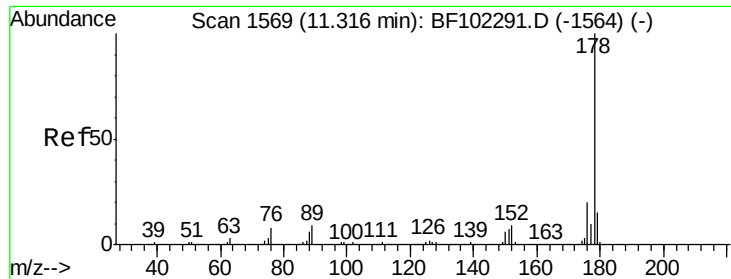
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#70
Phenanthrene
Concen: 17.486 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	386646		
176	19.2	15.8	23.8	
179	15.6	13.0	19.6	





#71

Anthracene

Concen: 2.953 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

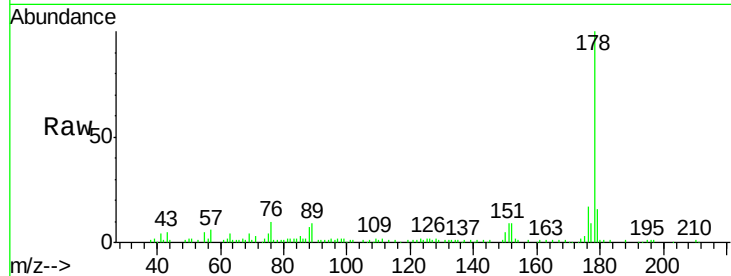
ClientSampleId :

AU-06-012518-B

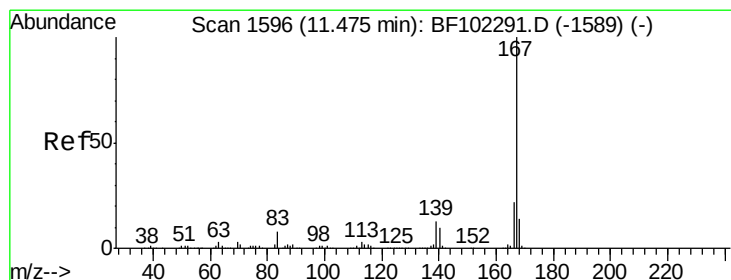
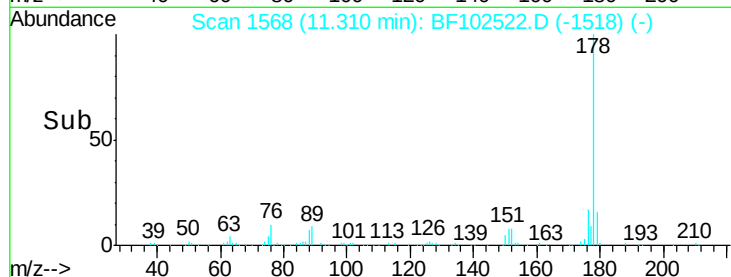
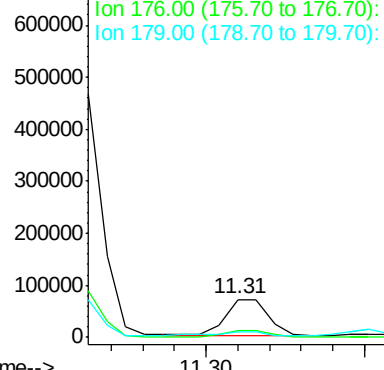
Tgt Ion:	178	Resp:	66652
Ion Ratio	Lower	Upper	
178	100		
176	17.0	15.4	23.2
179	16.0	12.6	19.0

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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



#72

Carbazole

Concen: 2.274 ng

RT: 11.47 min Scan# 1596

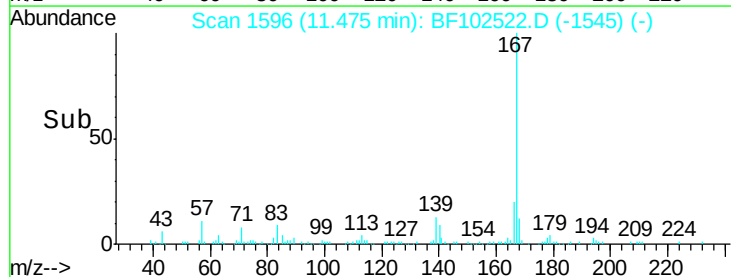
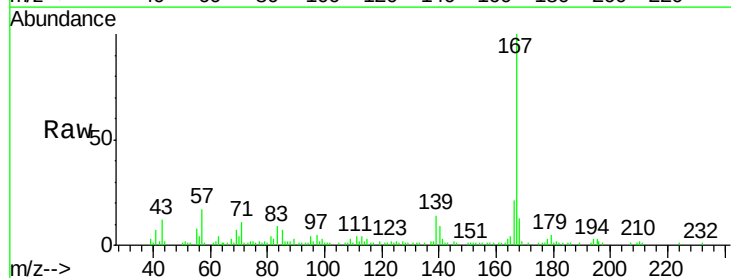
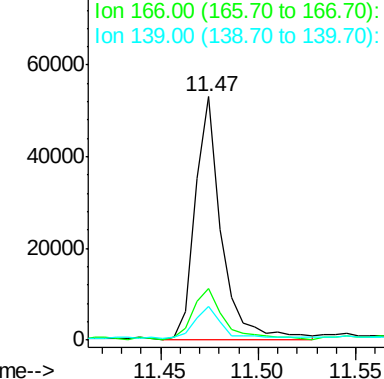
Delta R.T. 0.00 min

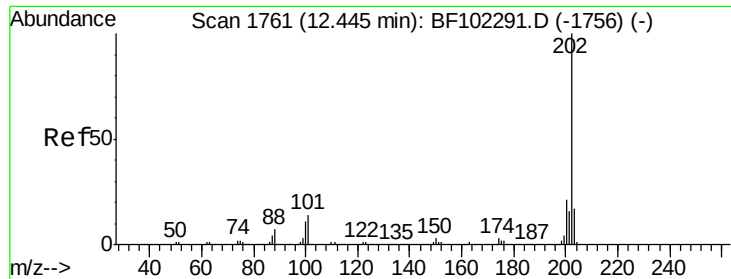
Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Tgt Ion:	167	Resp:	50069
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.6	26.4
139	13.9	10.9	16.3

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 23.469 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

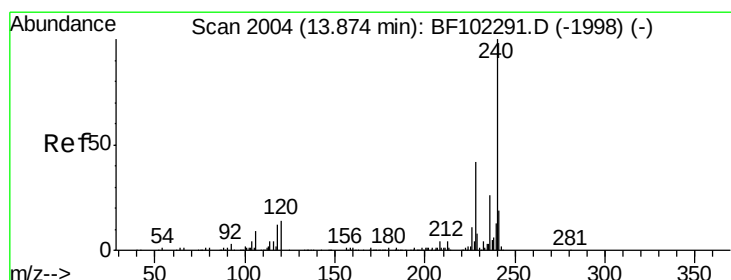
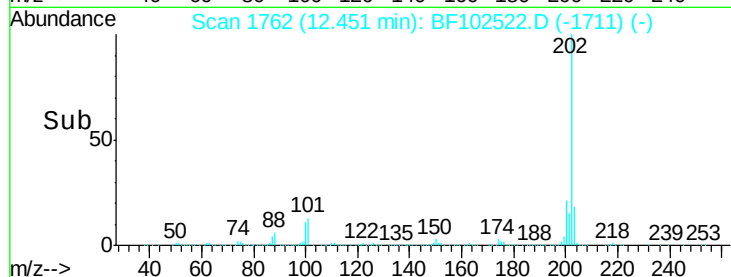
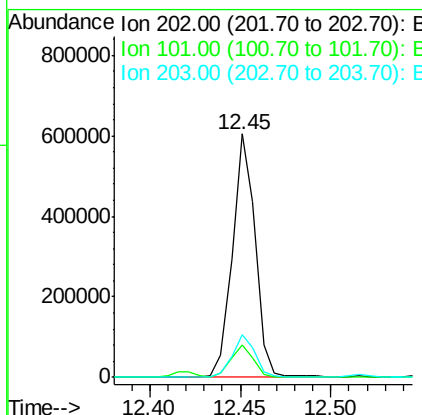
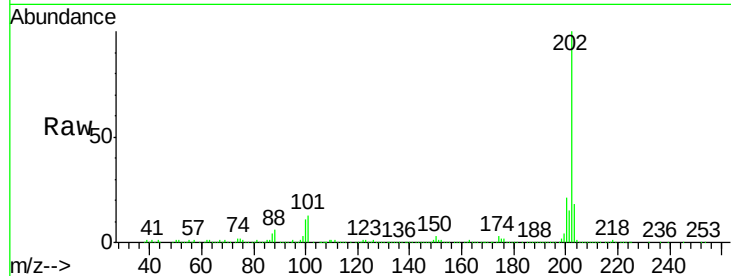
ClientSampleId :

AU-06-012518-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.3	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

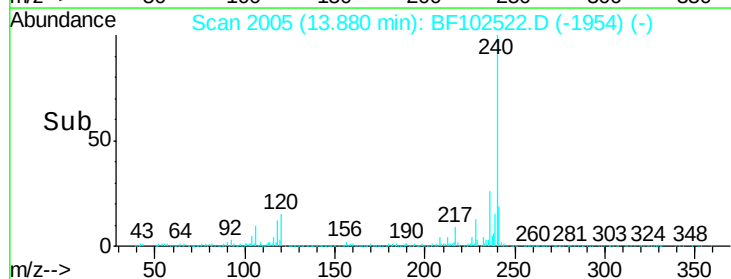
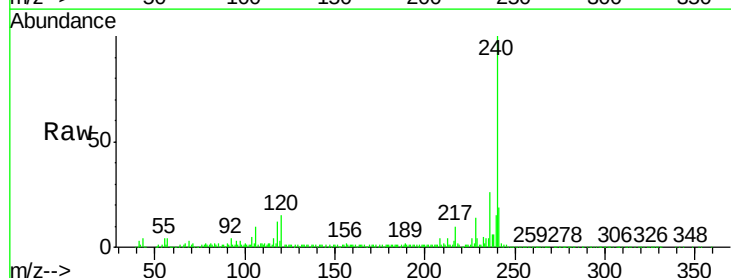
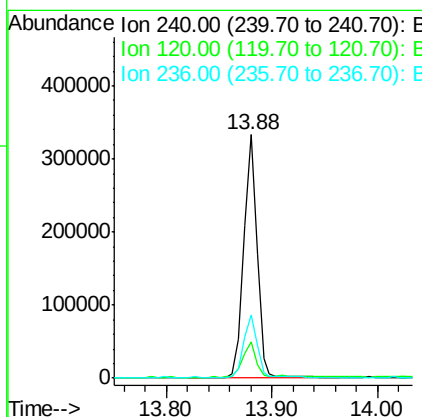
RT: 13.88 min Scan# 2005

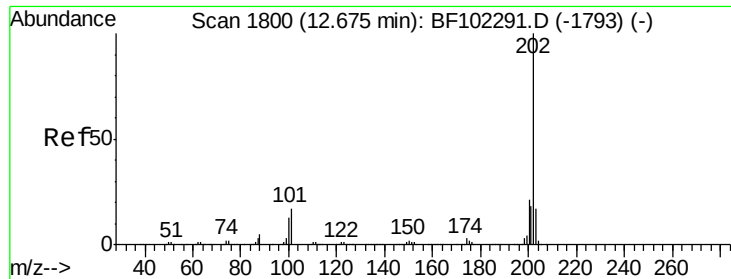
Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.9	9.5	14.3#
236	25.7	20.7	31.1





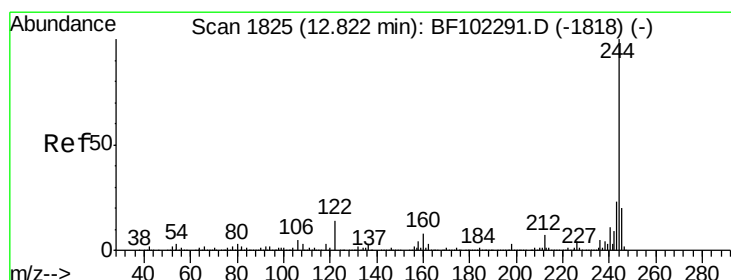
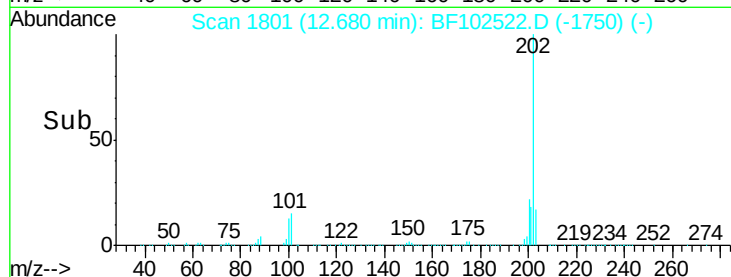
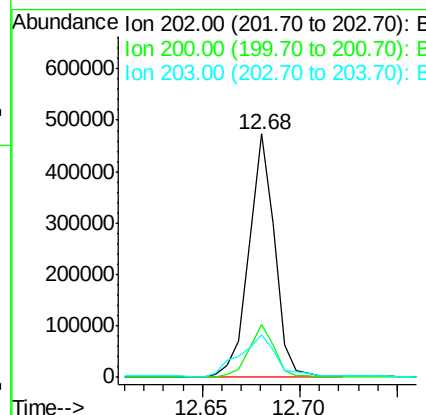
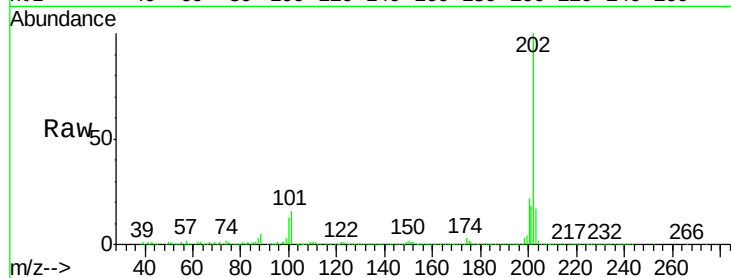
#77
Pyrene
 Concen: 19.406 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF102522.D
 Acq: 27 Jan 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-B

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.5	14.3	21.5

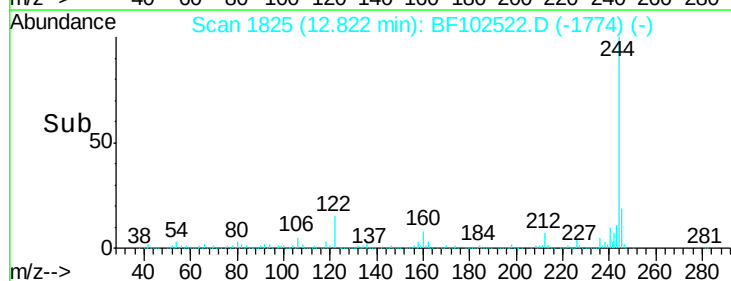
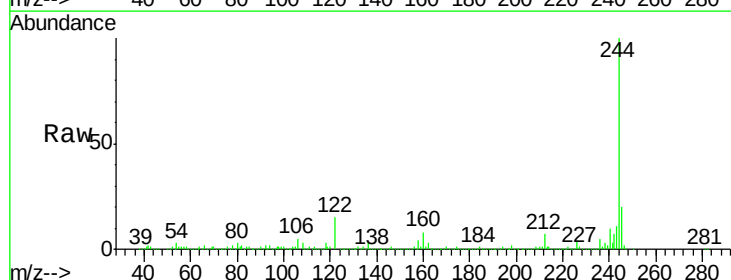
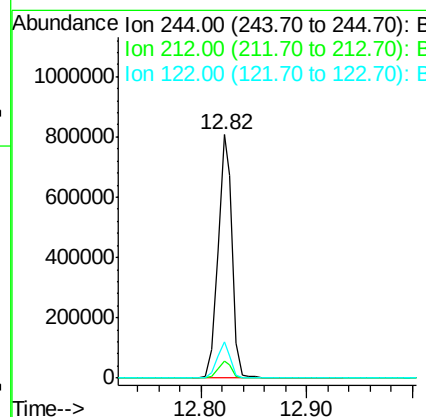
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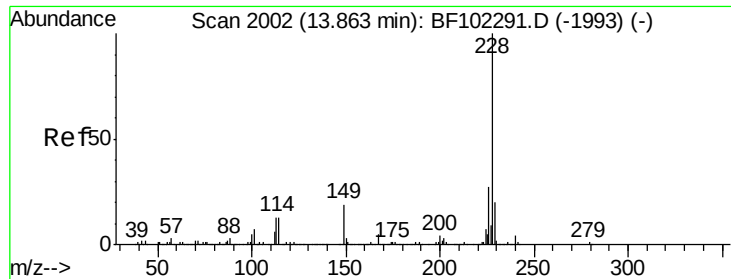
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#78
Terphenyl-d14
 Concen: 59.883 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102522.D
 Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.1	11.0	16.4





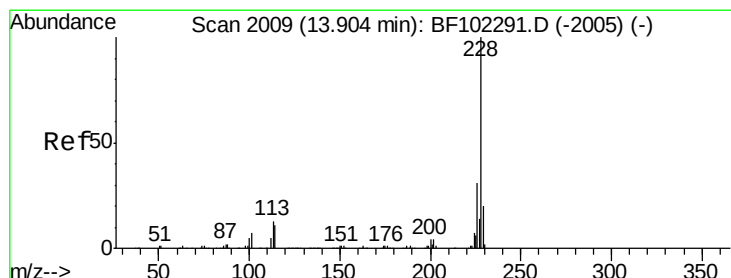
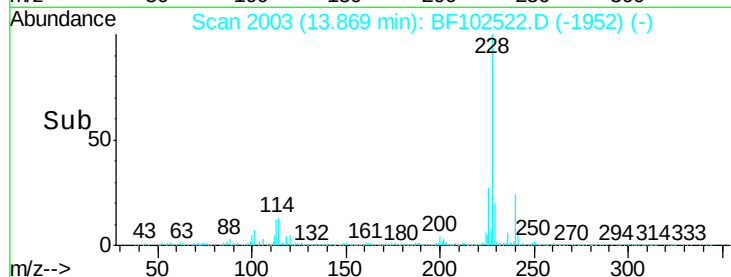
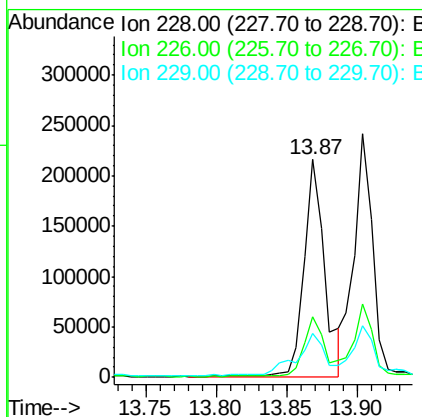
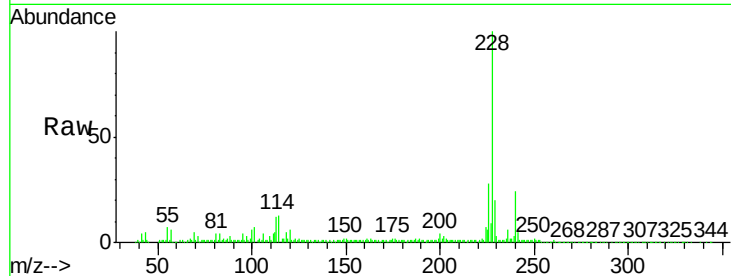
#80
Benzo(a)anthracene
Concen: 12.404 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Instrument :
BNA_F
ClientSampleId :
AU-06-012518-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.2	15.8	23.6

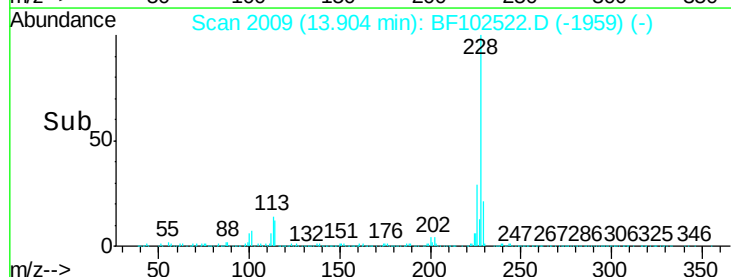
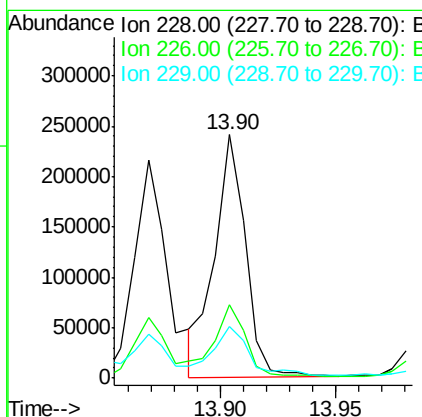
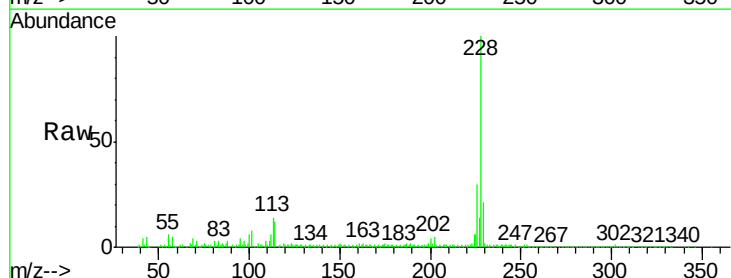
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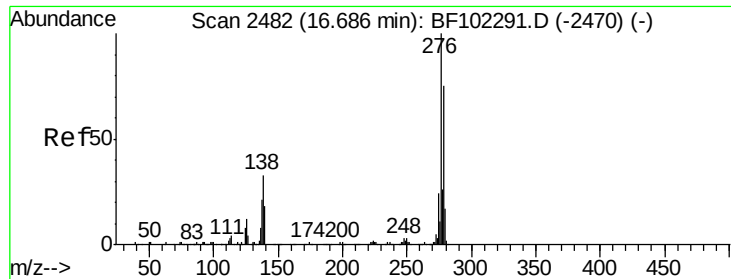
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#82
Chrysene
Concen: 12.527 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.4	16.2	24.4





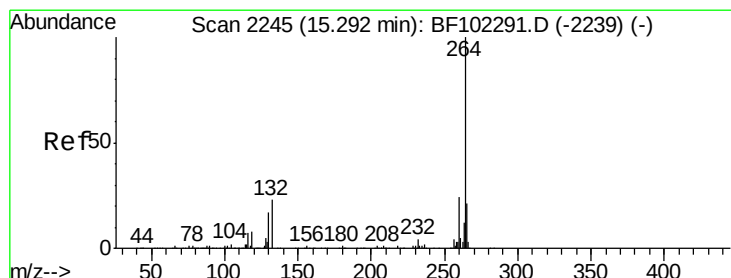
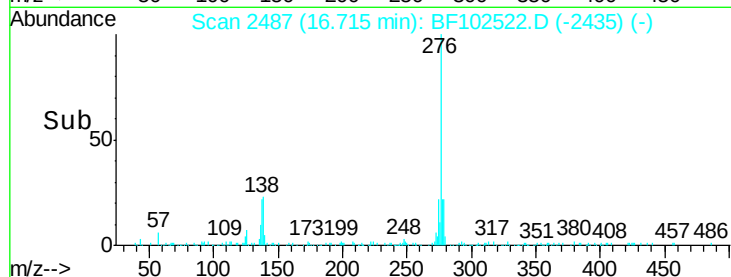
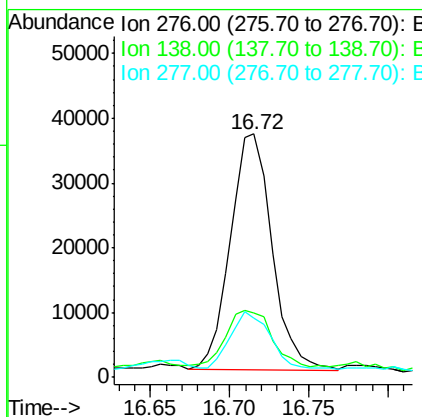
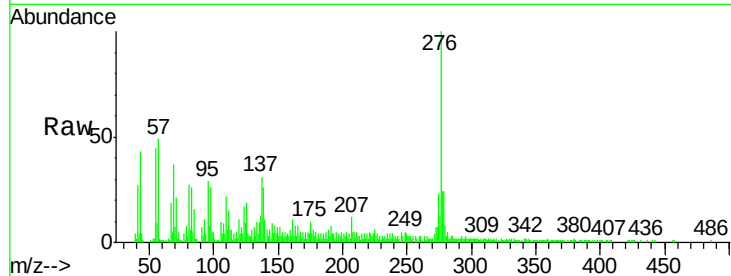
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.490 ng
 RT: 16.72 min Scan# 2487
 Delta R.T. 0.01 min
 Lab File: BF102522.D
 Acq: 27 Jan 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	23.7	20.1	30.1

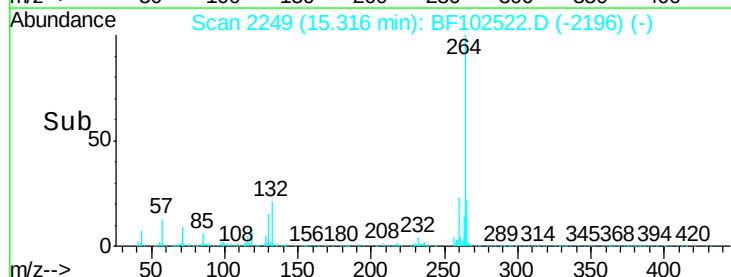
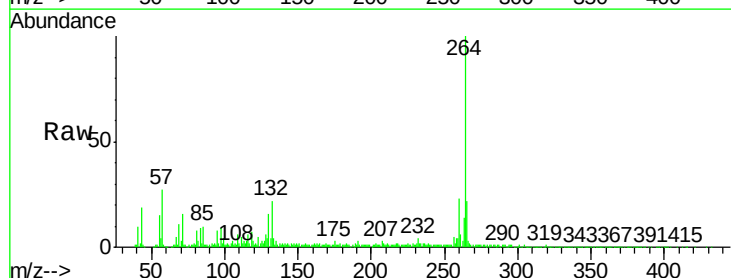
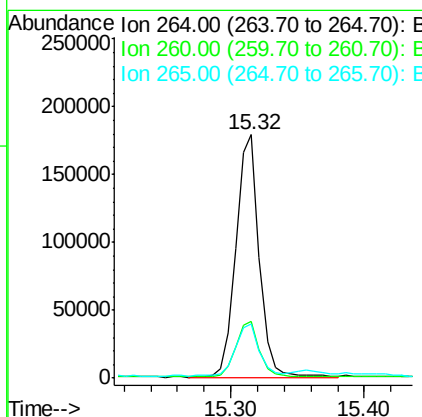
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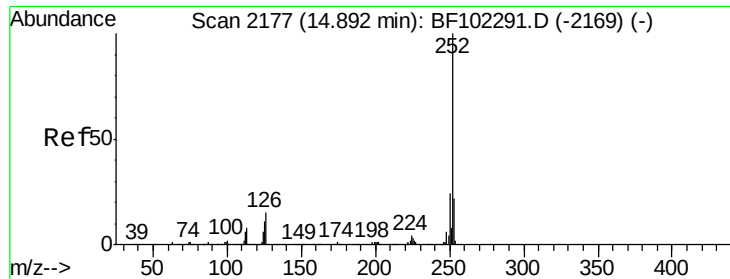
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF102522.D
 Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	17.5	26.3





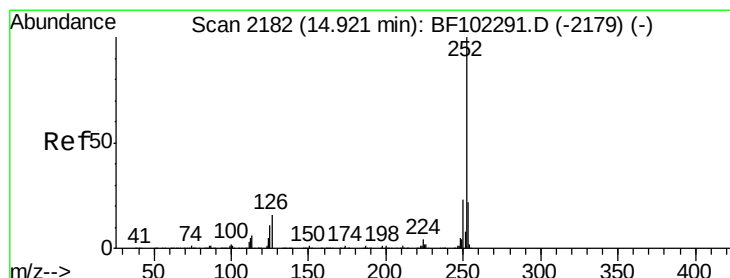
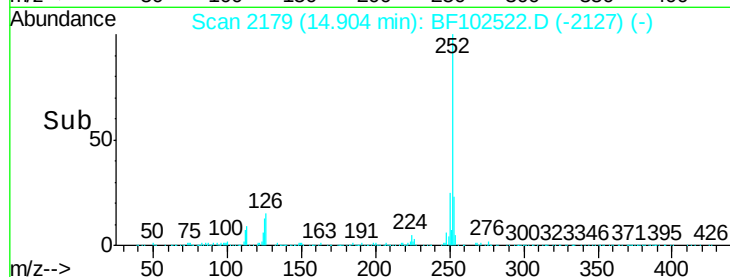
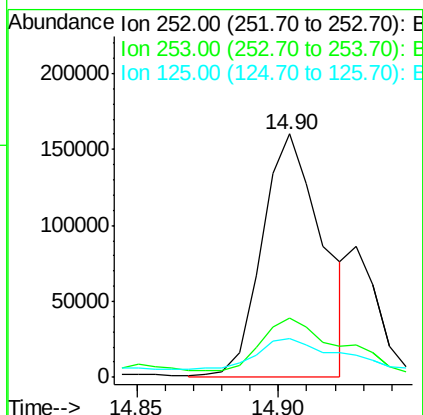
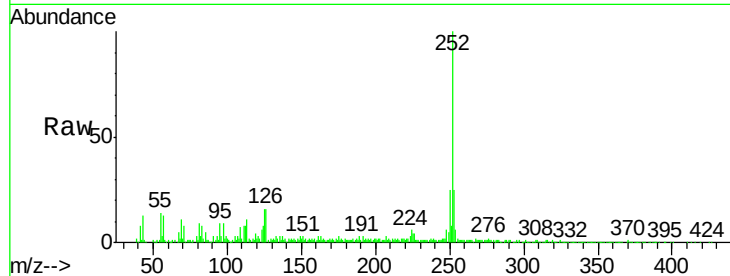
#87
Benzo(b)fluoranthene
Concen: 16.840 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Instrument :
BNA_F
ClientSampleId :
AU-06-012518-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	16.2	9.0	13.6

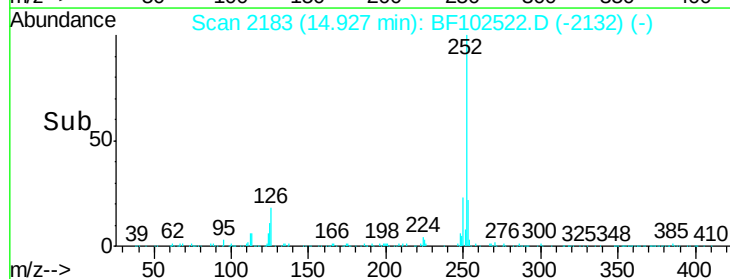
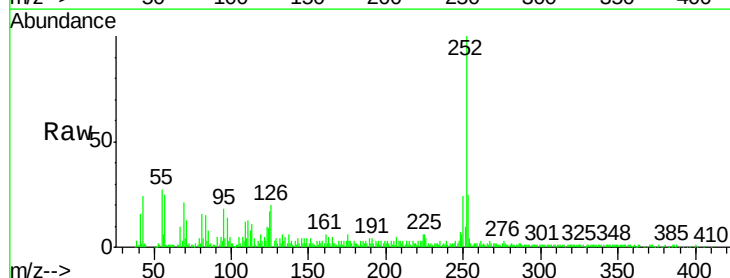
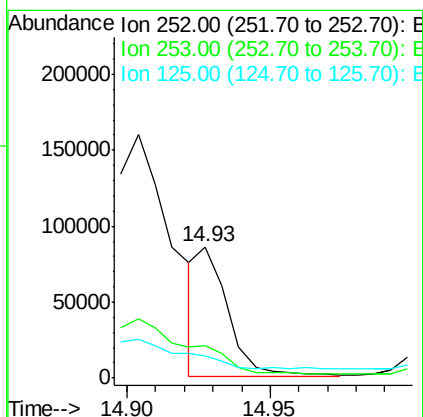
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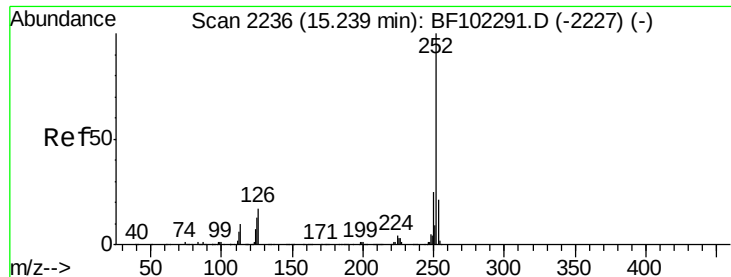
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#88
Benzo(k)fluoranthene
Concen: 4.783 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BF102522.D
Acq: 27 Jan 2018 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	17.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 10.515 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA_F

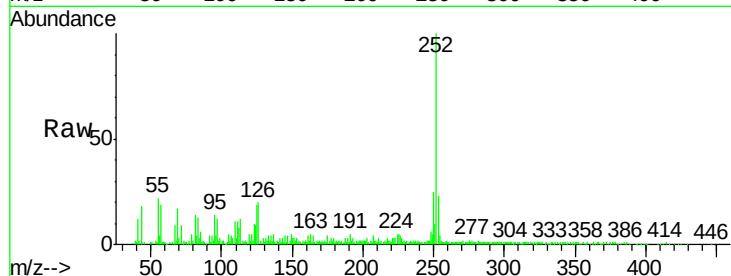
ClientSampleId :

AU-06-012518-B

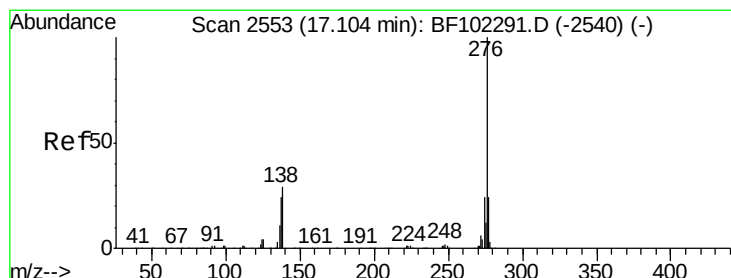
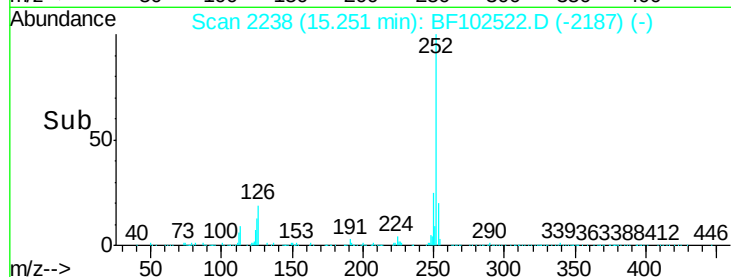
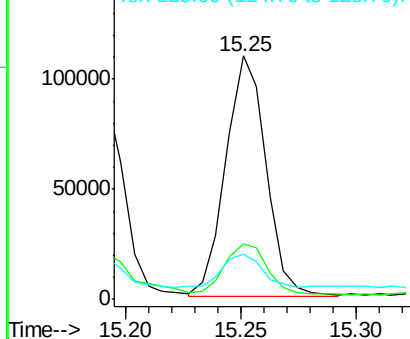
Tgt Ion:	252	Resp:	133022
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	18.7	9.8	14.6#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.076 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Tgt Ion:	276	Resp:	61480
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	31.1	21.8	32.8

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

