

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103211.D
 Acq On : 26 Feb 2018 11:54
 Operator : SJ/JU
 Sample : J1398-05 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022218

Manual Integrations
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 2/27/2018 12:22:28 PM

Quant Time: Feb 26 13:23:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	159336	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	653814	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	264783	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	381862	20.00	ng	0.00
75) Chrysene-d12	14.04	240	280837	20.00	ng	0.00
86) Perylene-d12	15.53	264	299393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	572242	54.32	ng	0.00
7) Phenol-d6	6.50	99	670204	51.99	ng	0.00
23) Nitrobenzene-d5	7.43	82	430367	37.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	95893	42.79	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	597484	32.89	ng	0.00
78) Terphenyl-d14	12.97	244	381701	32.67	ng	-0.01
Target Compounds						
51) Acenaphthene	9.94	154	37729	2.396	ng	Qvalue 98
57) Fluorene	10.46	166	49439	2.685	ng	100
70) Phenanthrene	11.42	178	324786	15.455	ng	99
71) Anthracene	11.47	178	123663	5.739	ng	97
74) Fluoranthene	12.61	202	531583	25.172	ng	99
77) Pyrene	12.84	202	464326	21.206	ng	99
80) Benzo(a)anthracene	14.03	228	250588	13.752	ng	98
82) Chrysene	14.07	228	235443	13.307	ng	98
85) Indeno(1,2,3-cd)pyrene	17.04	276	121245	8.656	ng	96
87) Benzo(b)fluoranthene	15.10	252	322618m	16.389	ng	
88) Benzo(k)fluoranthene	15.12	252	108261m	5.840	ng	
89) Benzo(a)pyrene	15.47	252	232987	13.254	ng	# 93
90) Dibenzo(a,h)anthracene	17.04	278	29335	2.160	ng	# 80
91) Benzo(g,h,i)perylene	17.50	276	119386	8.993	ng	95

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

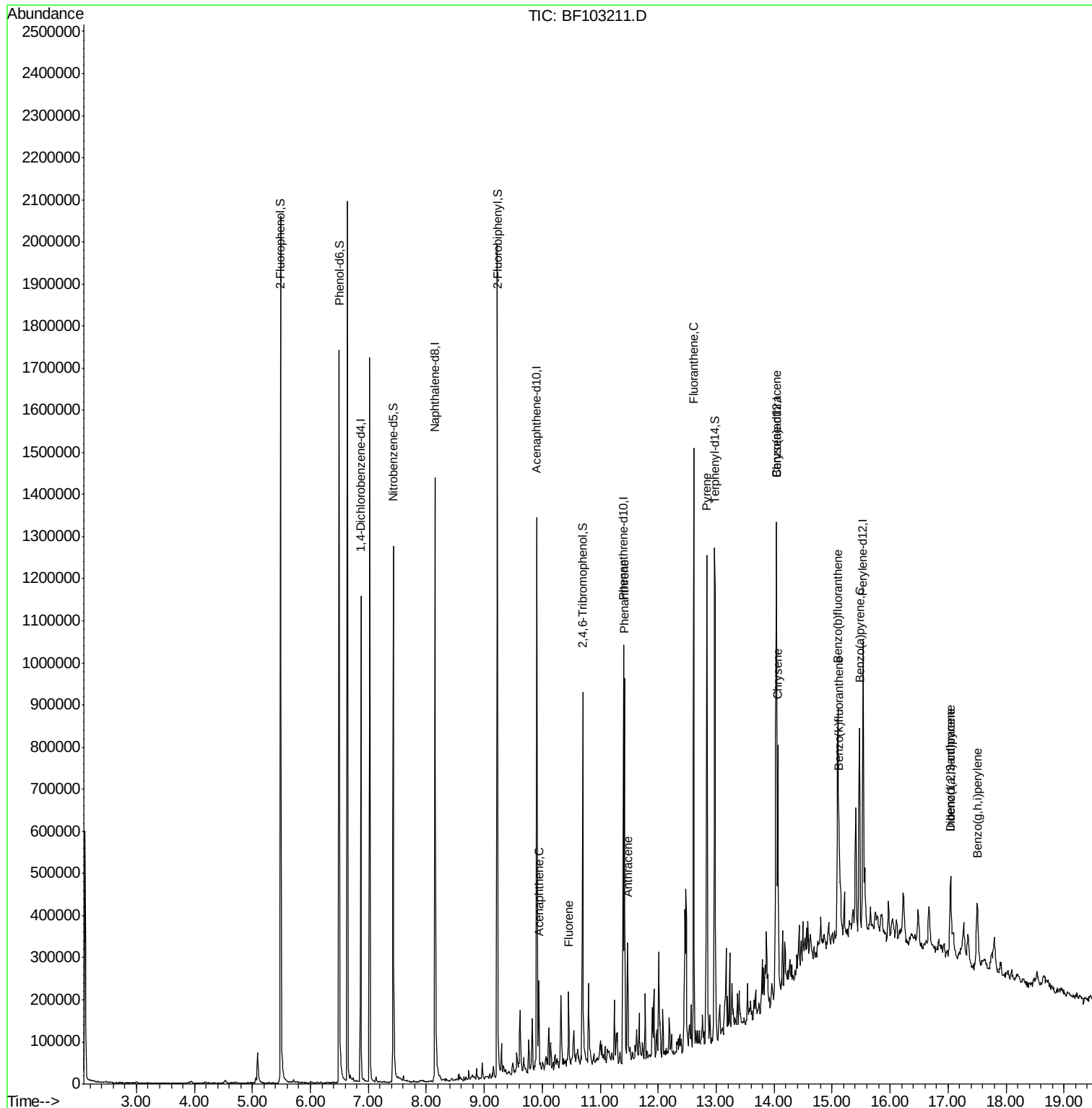
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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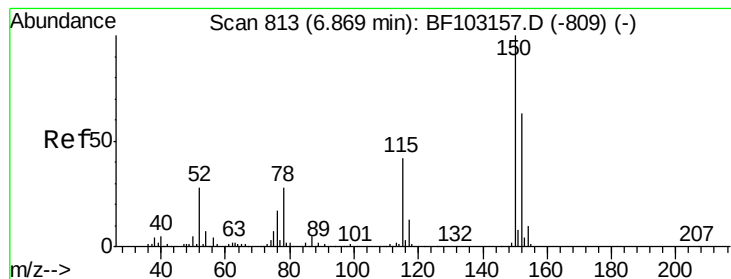
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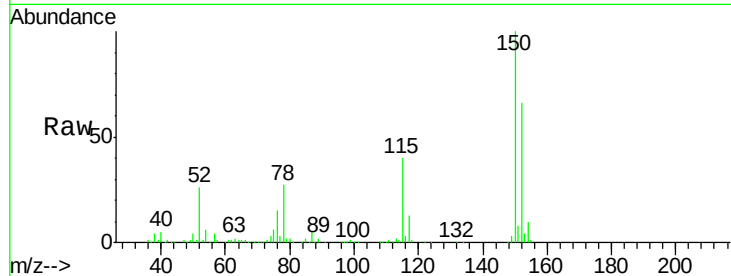
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022218

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.6	186.8
115	60.5	50.1	75.1

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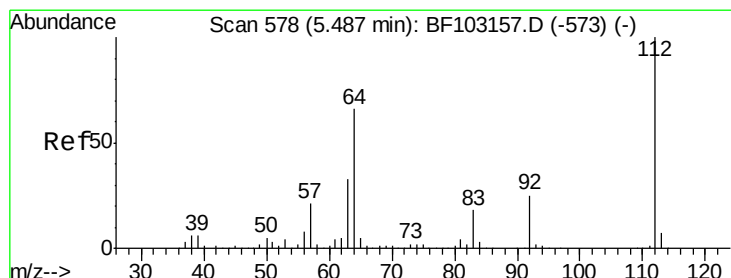
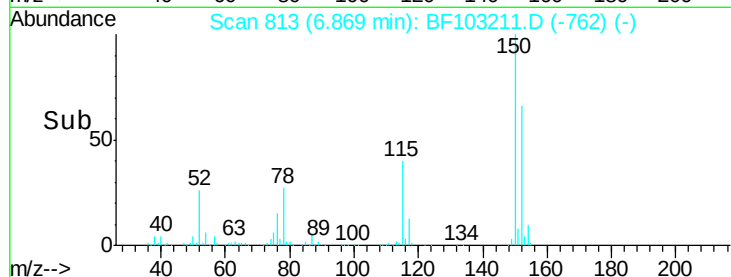
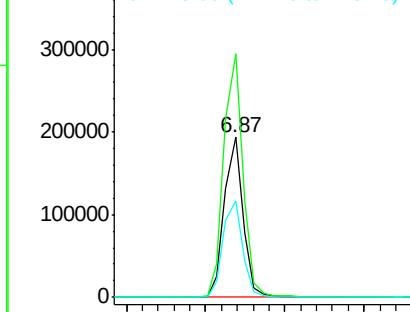


Abundance

Ion 152.00 (151.70 to 152.70): E

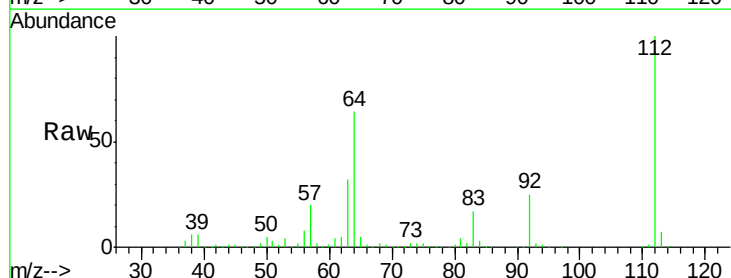
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 54.318 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.3	23.7	35.5

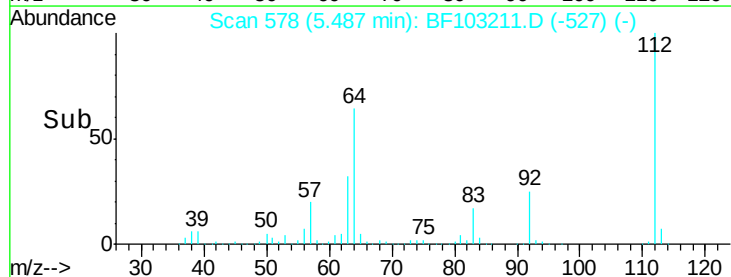
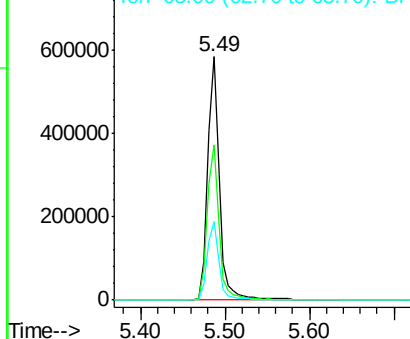


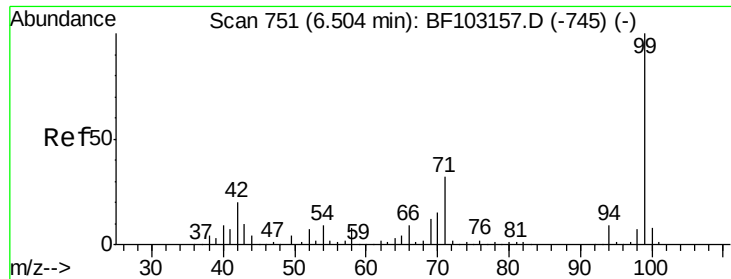
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 51.989 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Instrument :

BNA_F

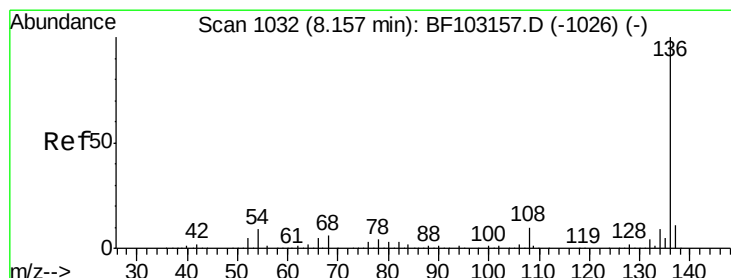
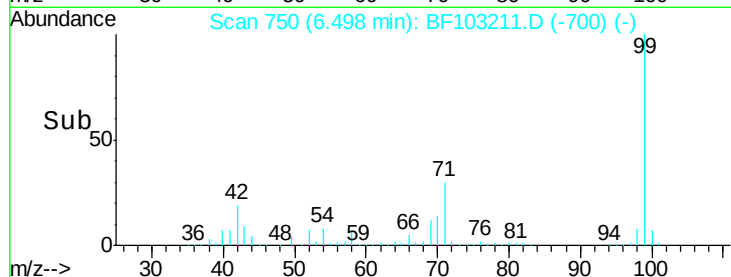
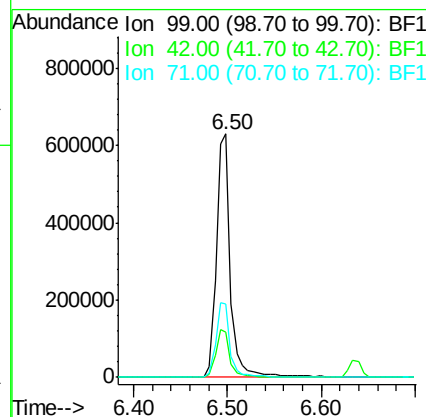
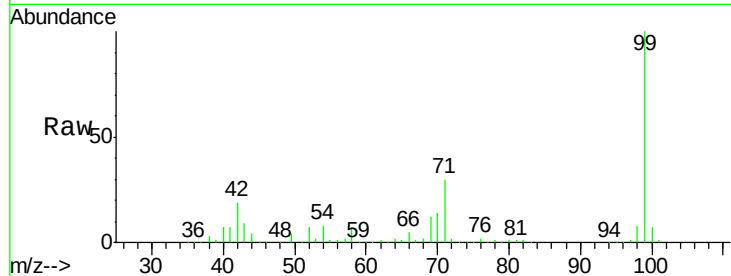
ClientSampleId :

OK-01-022218

Tot Ion:	99	Resp:	670204
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.5	21.7
71	30.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

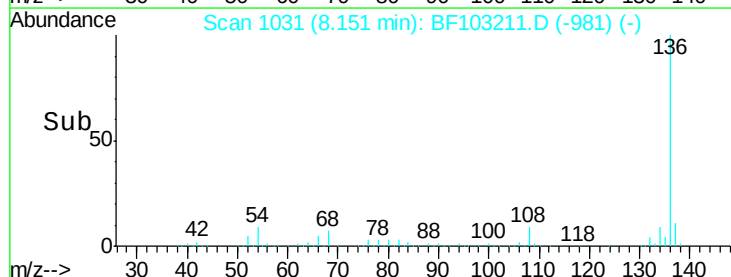
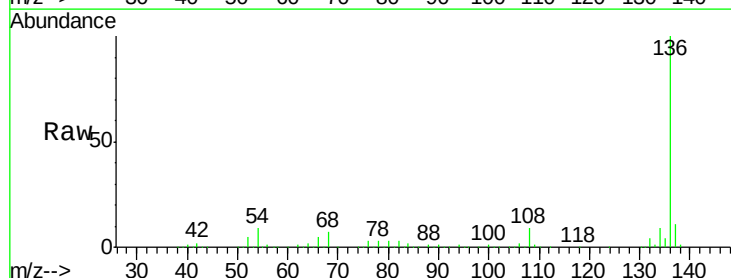
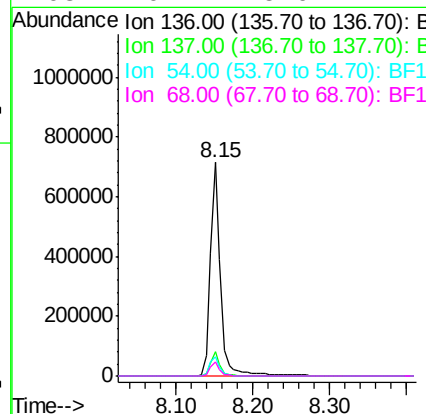
RT: 8.15 min Scan# 1031

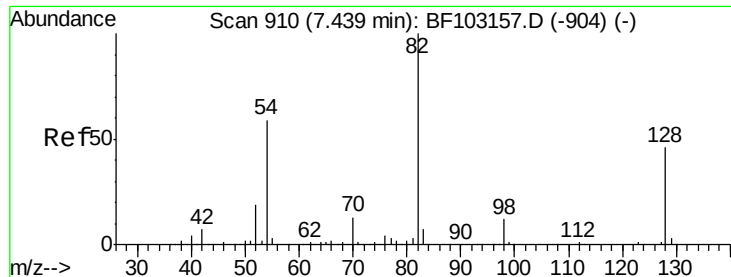
Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Tgt Ion:	136	Resp:	653814
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	9.1	6.6	9.8
68	6.7	5.0	7.4





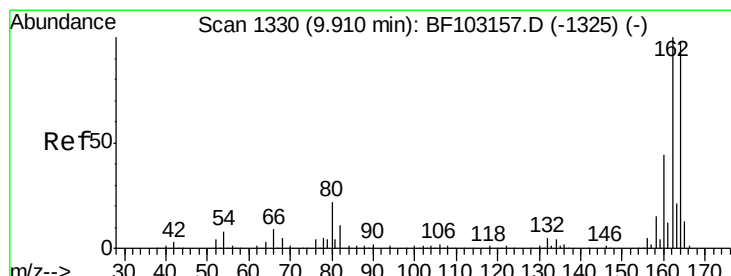
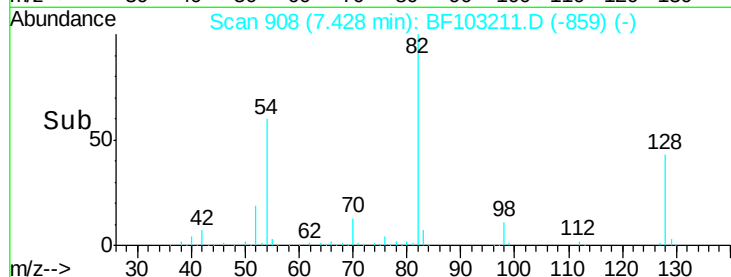
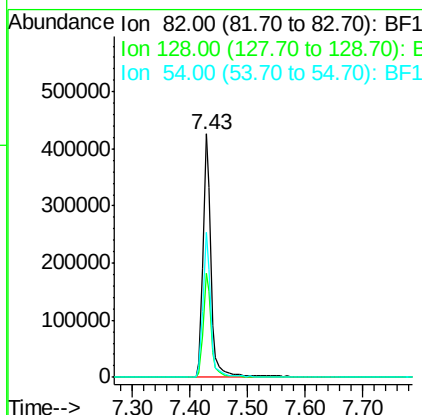
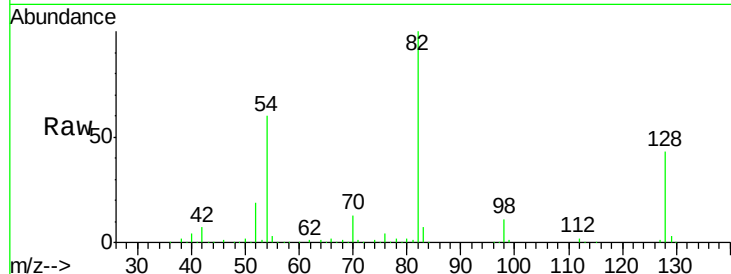
#23
Nitrobenzene-d5
Concen: 37.591 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :
OK-01-022218

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	59.7	41.4	62.2

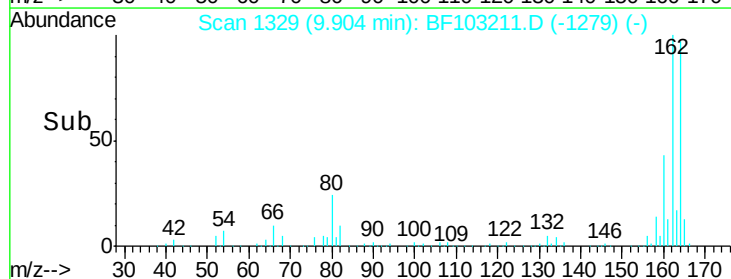
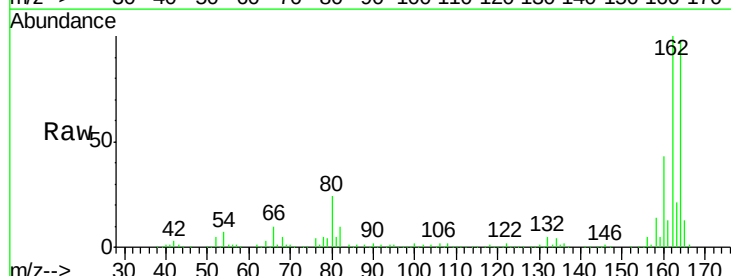
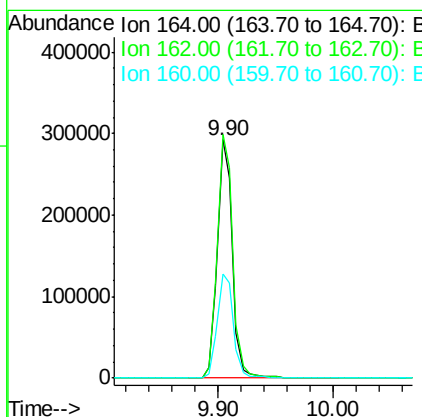
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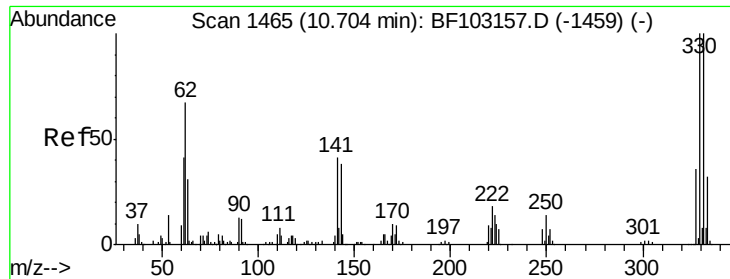
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	43.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 42.786 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Instrument :

BNA_F

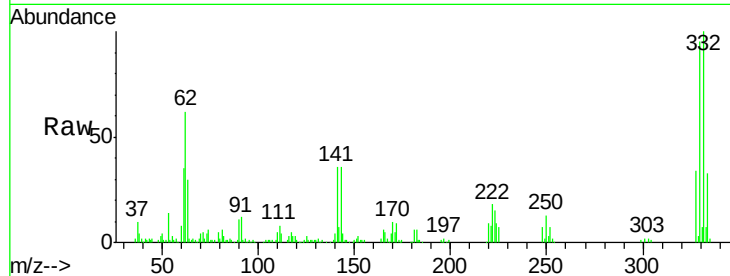
ClientSampleId :

OK-01-022218

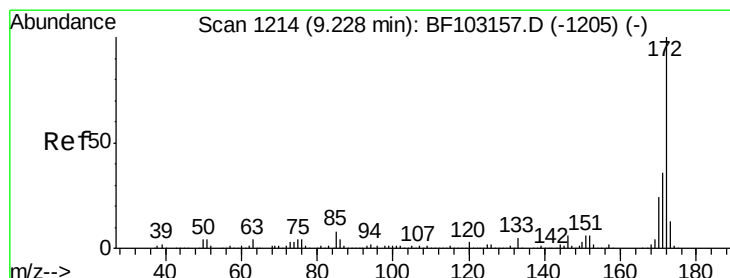
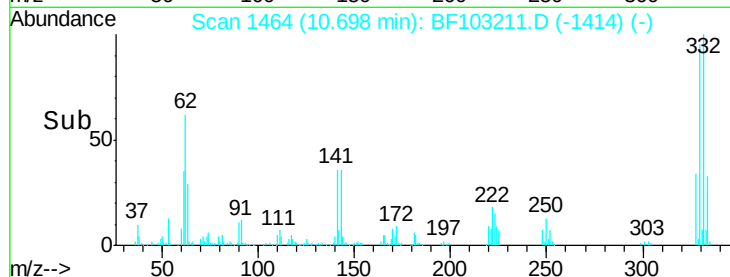
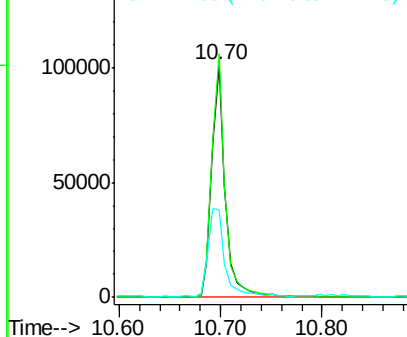
Tot Ion:	330	Resp:	95893
Ion Ratio	Lower	Upper	
330	100		
332	102.7	77.0	115.6
141	47.8	29.9	44.9#

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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: 32.889 ng

RT: 9.22 min Scan# 1213

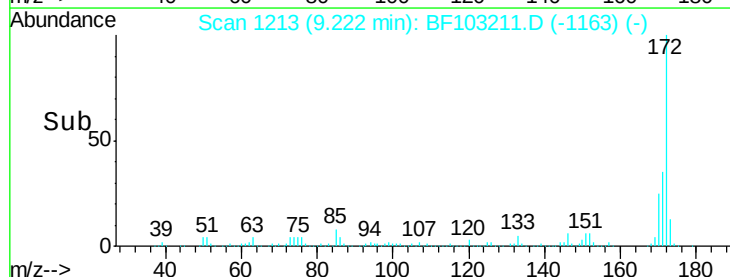
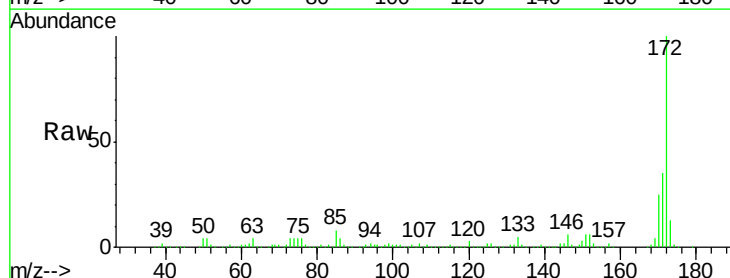
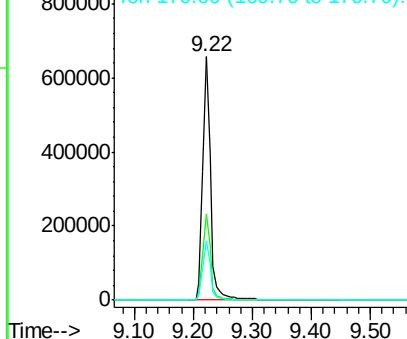
Delta R.T. -0.01 min

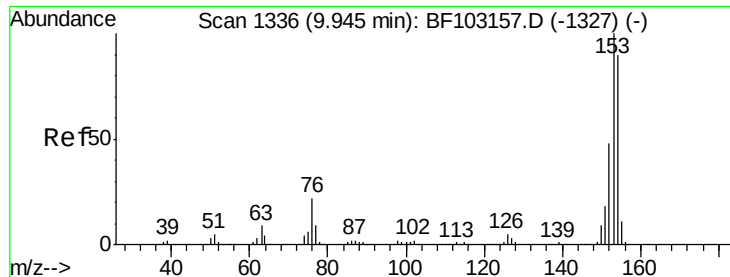
Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Tgt Ion:	172	Resp:	597484
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	24.5	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: 2.396 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Instrument :

BNA_F

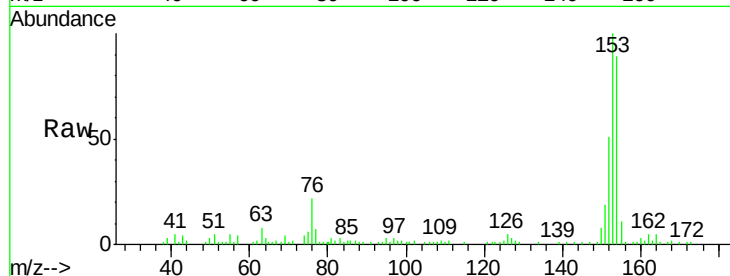
ClientSampleId :

OK-01-022218

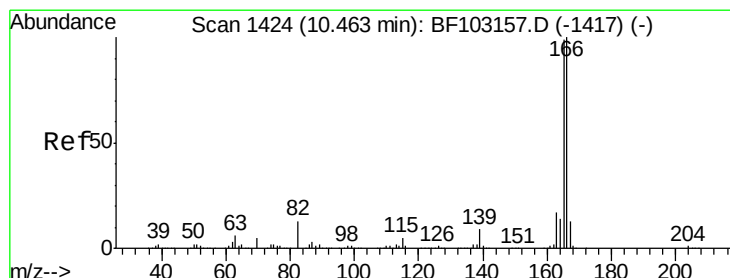
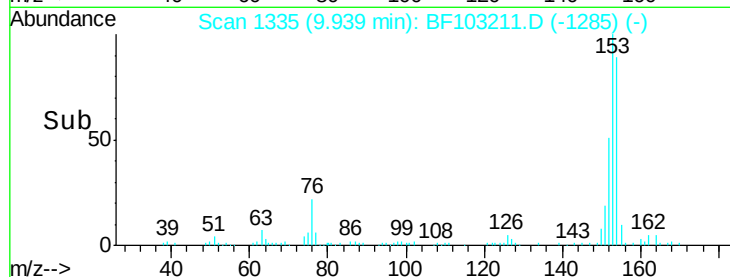
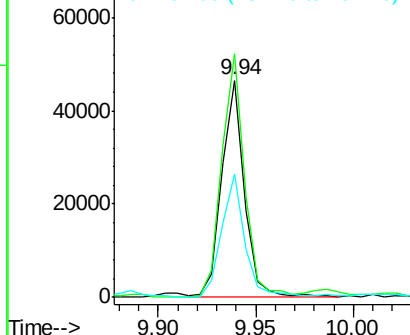
Tot Ion:	154	Resp:	37729
Ion Ratio	Lower	Upper	
154	100		
153	112.1	91.2	136.8
152	57.0	43.8	65.8

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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: 2.685 ng

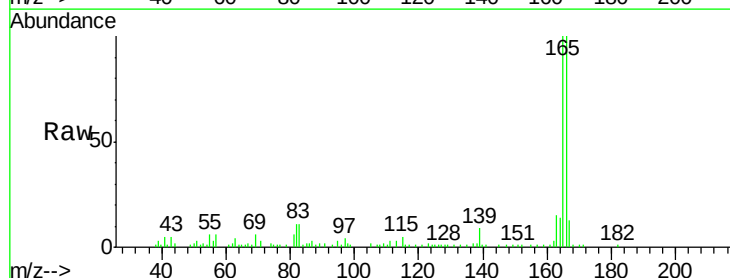
RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

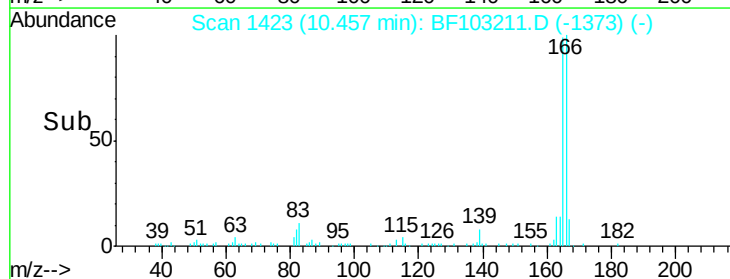
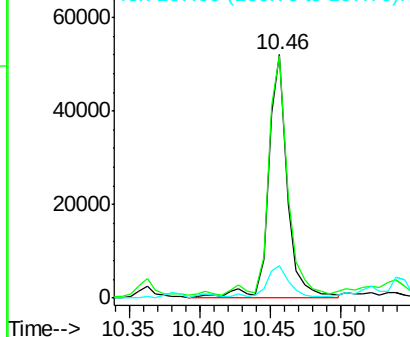
Lab File: BF103211.D

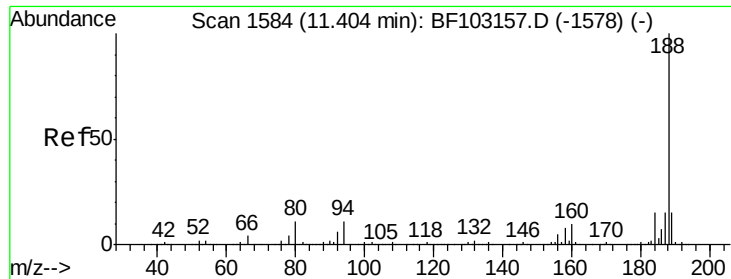
Acq: 26 Feb 2018 11:54

Tgt Ion:	166	Resp:	49439
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	13.5	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





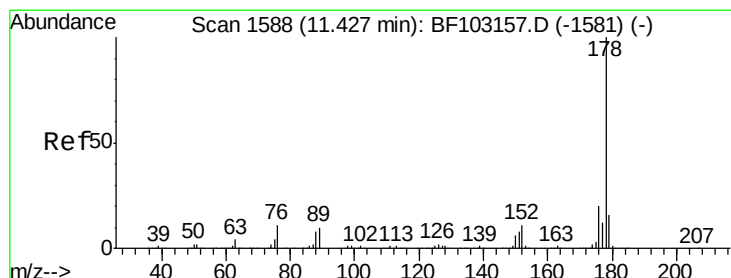
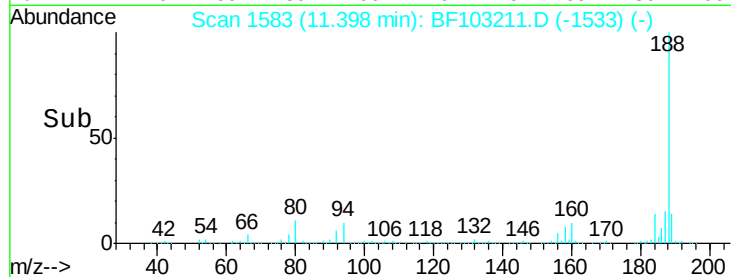
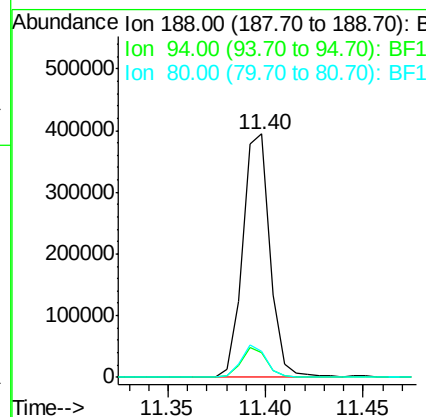
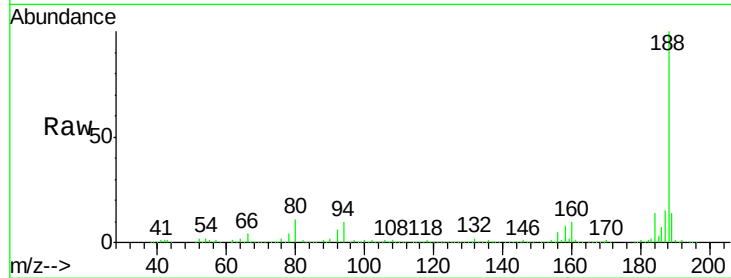
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Instrument :
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Tot Ion:	188	Resp:	381862
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	10.8	9.2	13.8

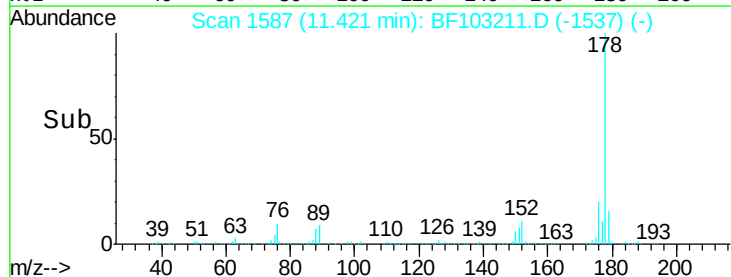
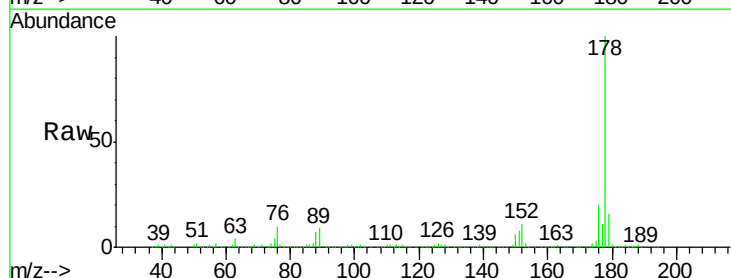
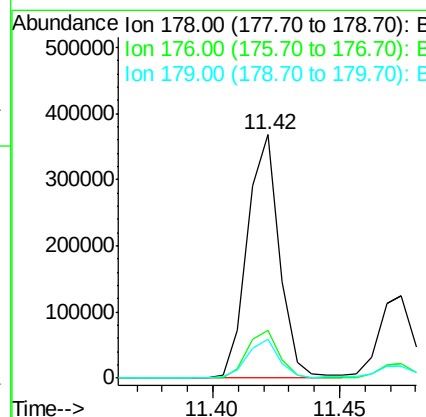
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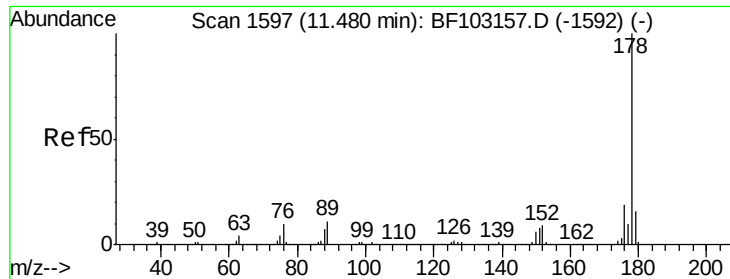
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#70
 Phenanthrene
 Concen: 15.455 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Tgt Ion:	178	Resp:	324786
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.8	13.0	19.6





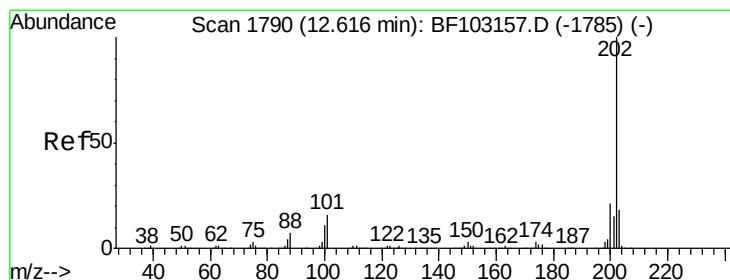
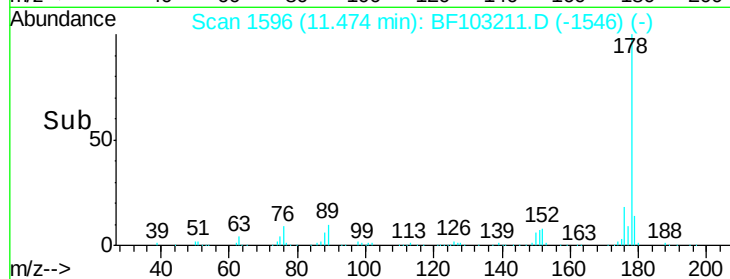
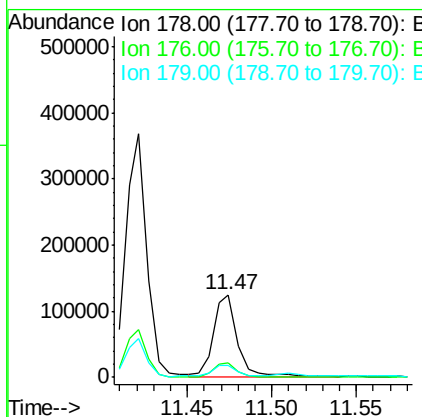
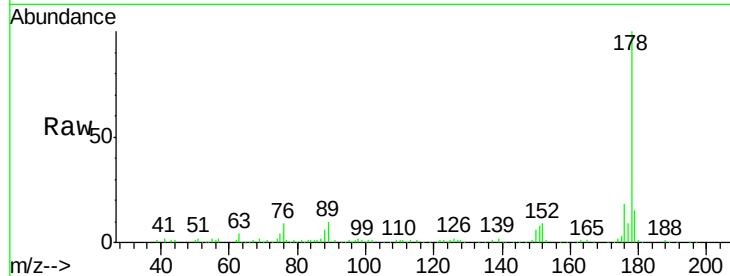
#71
 Anthracene
 Concen: 5.739 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022218

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	14.7	12.6	19.0

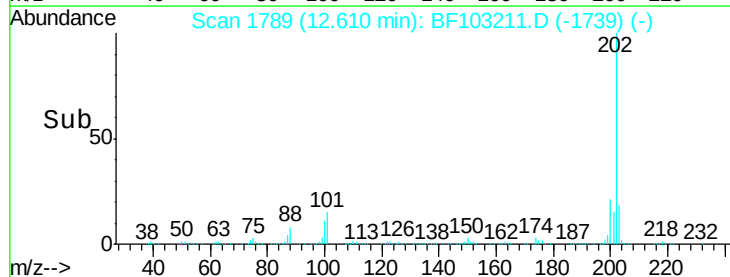
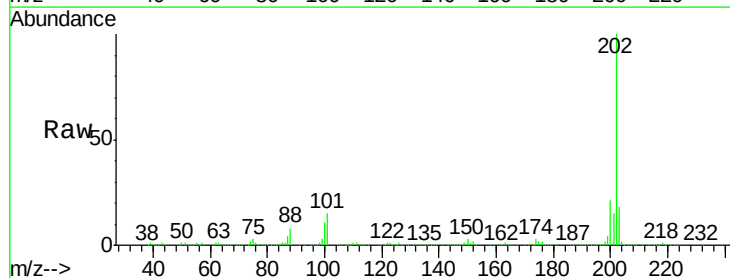
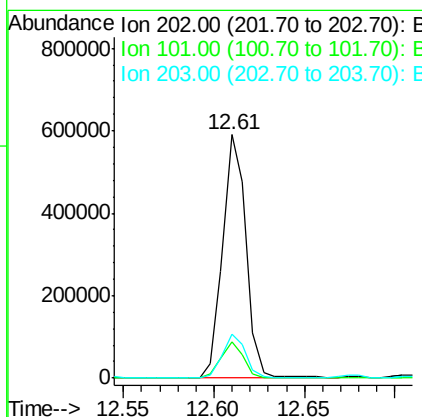
Manual Integrations
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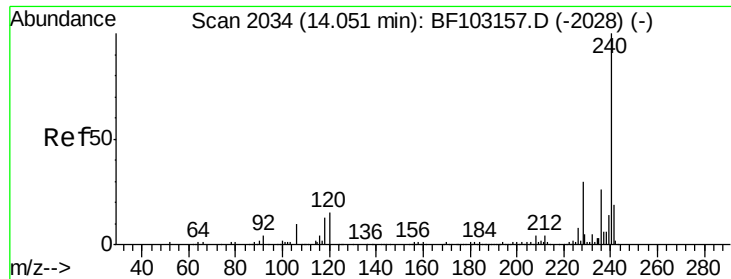
Sohil
 2/27/2018 12:22:28 PM



#74
 Fluoranthene
 Concen: 25.172 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Instrument :

BNA_F

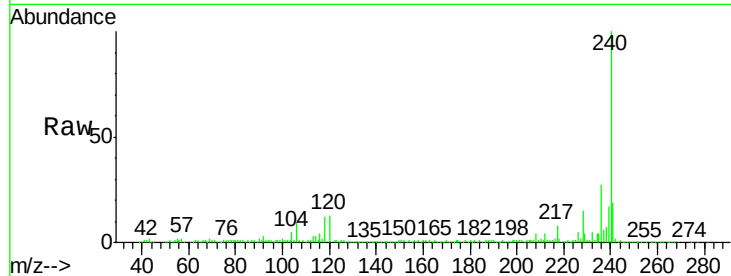
ClientSampleId :

OK-01-022218

Tot Ion:	240	Resp:	280837
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.9	20.7	31.1

Manual Integrations
APPROVED

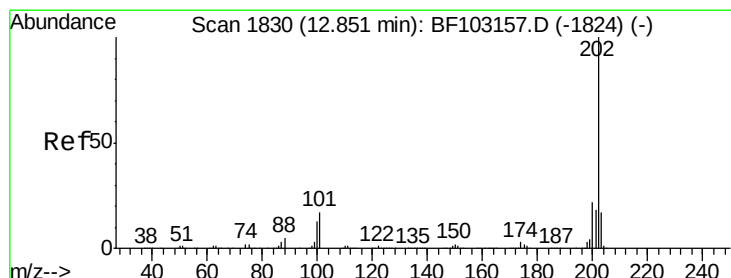
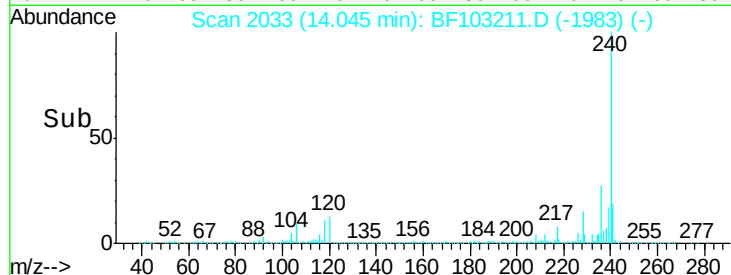
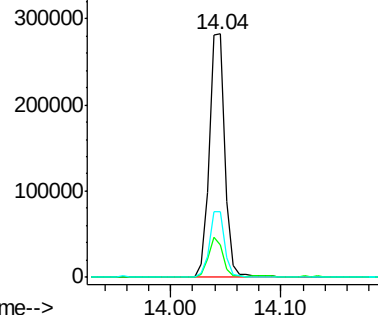
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 21.206 ng

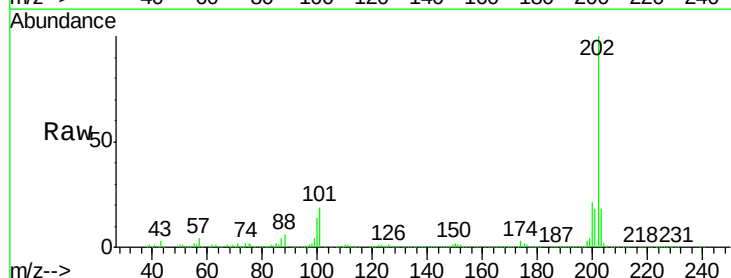
RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

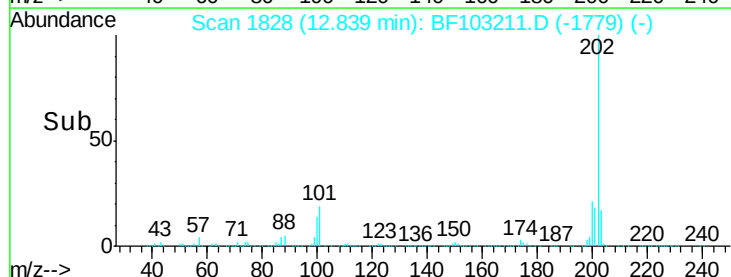
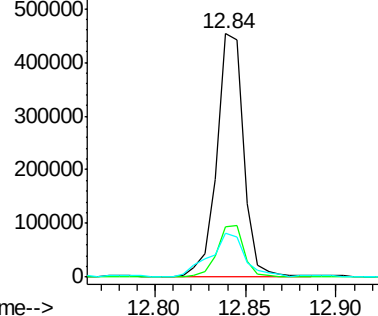
Tgt Ion:	202	Resp:	464326
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.9	14.3	21.5

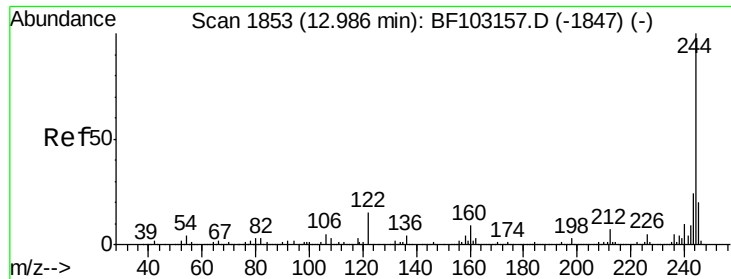


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





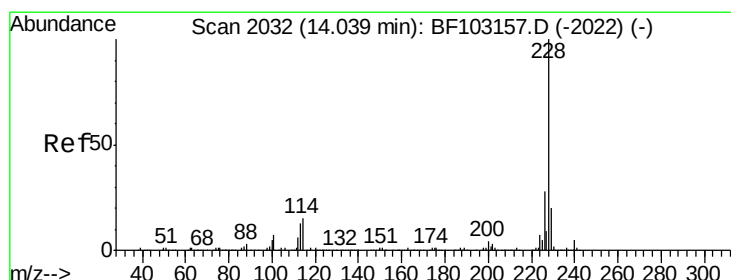
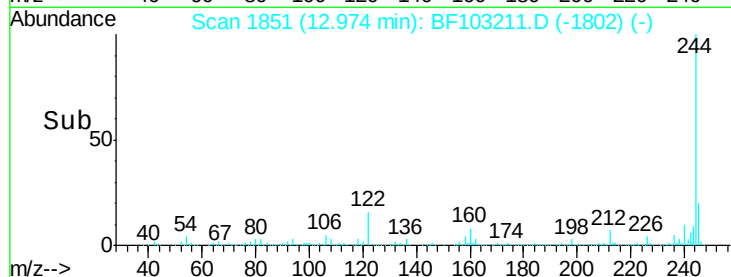
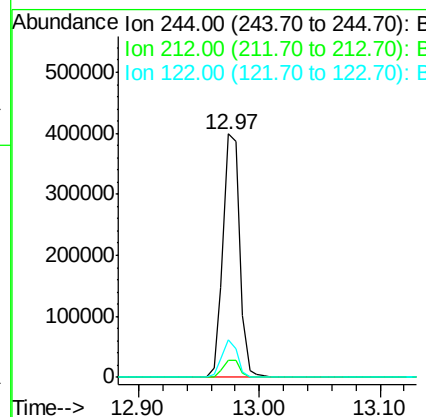
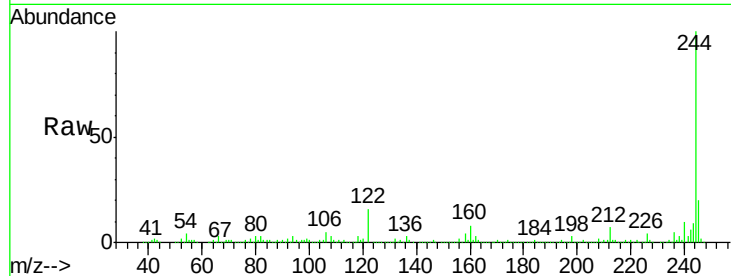
#78
 Terphenyl-d14
 Concen: 32.672 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022218

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.7	11.0	16.4

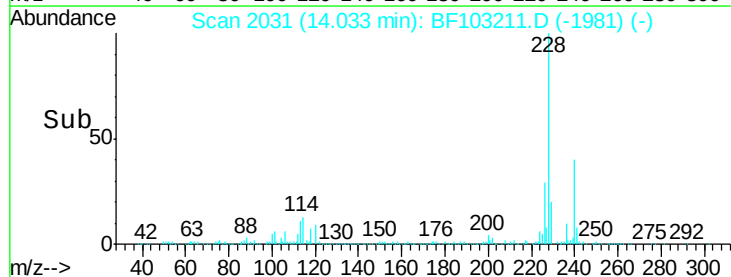
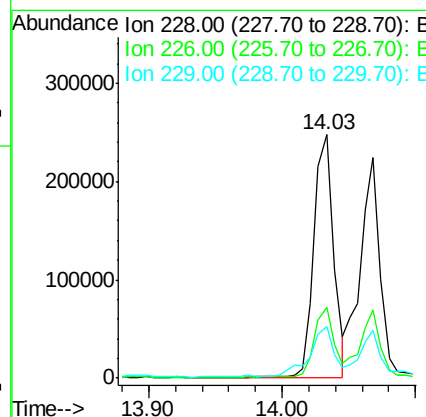
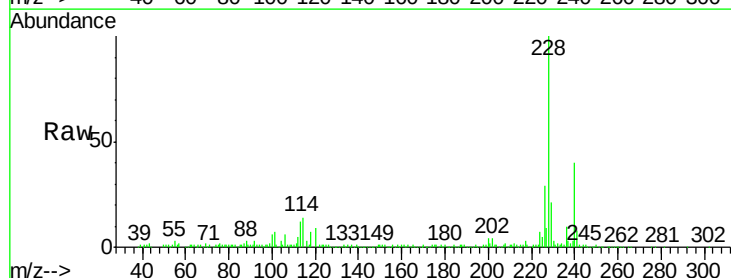
Manual Integrations
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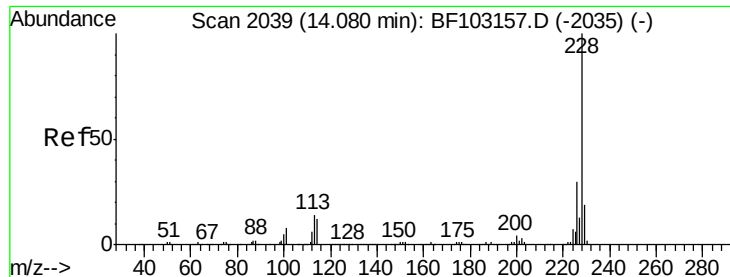
Sohil
 2/27/2018 12:22:28 PM



#80
 Benzo(a)anthracene
 Concen: 13.752 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF103211.D
 Acq: 26 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.0	15.8	23.6





#82

Chrysene

Concen: 13.307 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Instrument :

BNA_F

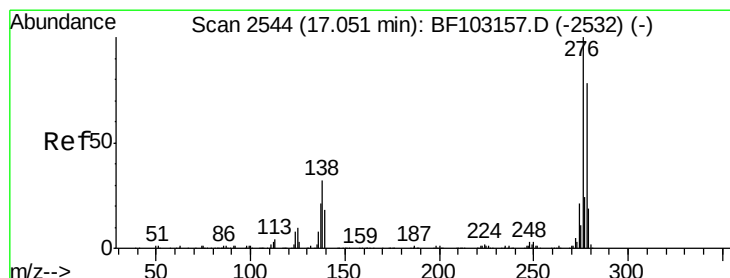
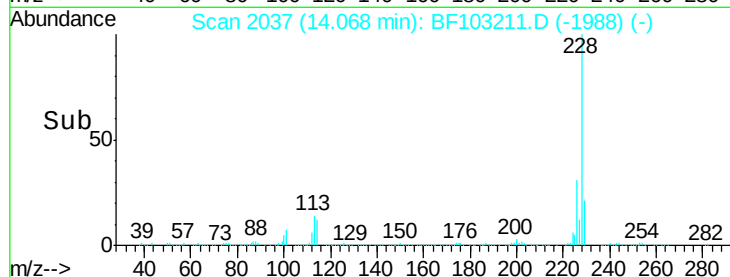
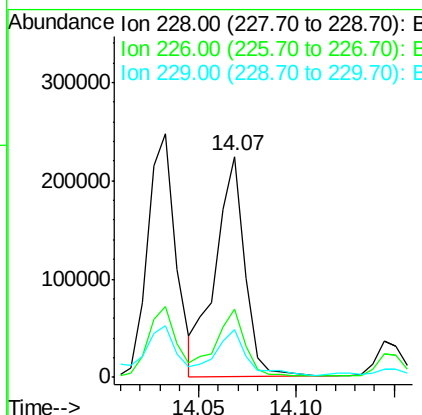
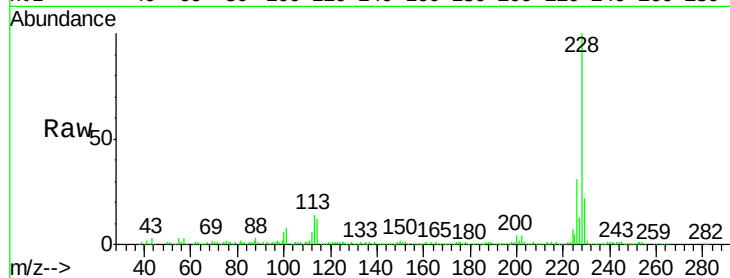
ClientSampleId :

OK-01-022218

Tot Ion:	228	Resp:	235443
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	21.9	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.656 ng

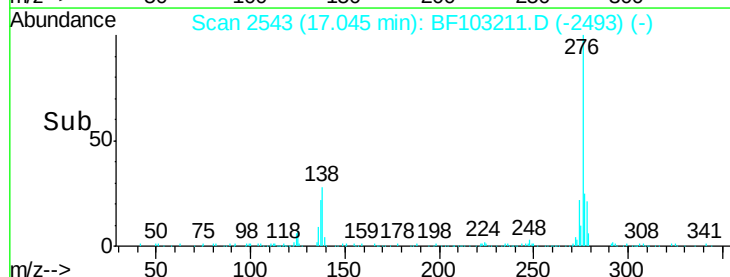
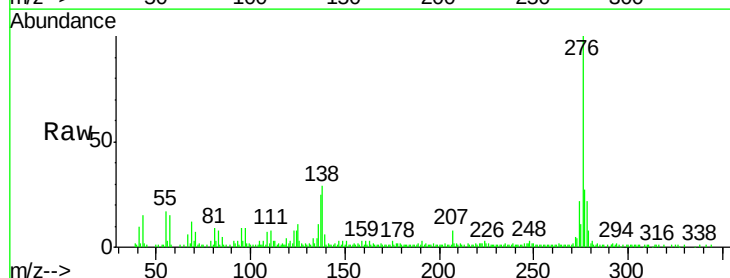
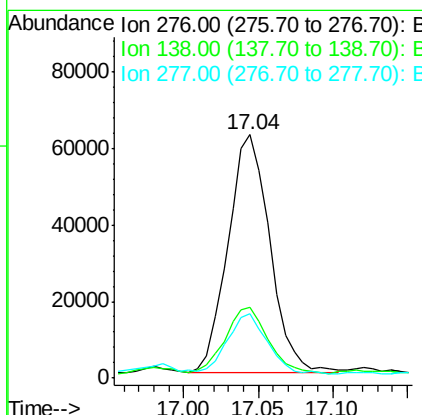
RT: 17.04 min Scan# 2543

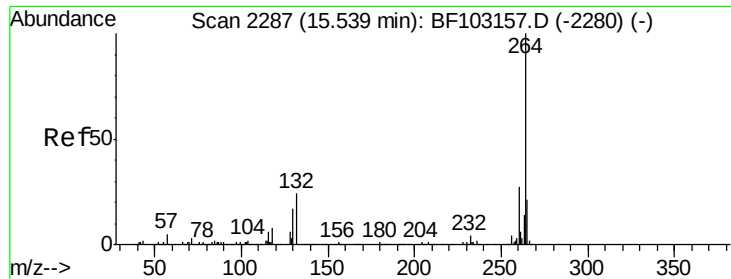
Delta R.T. -0.01 min

Lab File: BF103211.D

Acq: 26 Feb 2018 11:54

Tgt Ion:	276	Resp:	121245
Ion Ratio	Lower	Upper	
276	100		
138	28.4	25.0	37.6
277	23.9	20.1	30.1





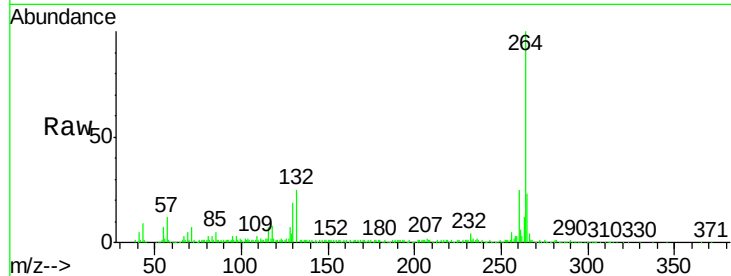
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :
OK-01-022218

Tot Ion	Ratio	Resp	Lower	Upper
264	100	299393		
260	25.0	19.2	28.8	
265	23.2	17.5	26.3	

Manual Integrations
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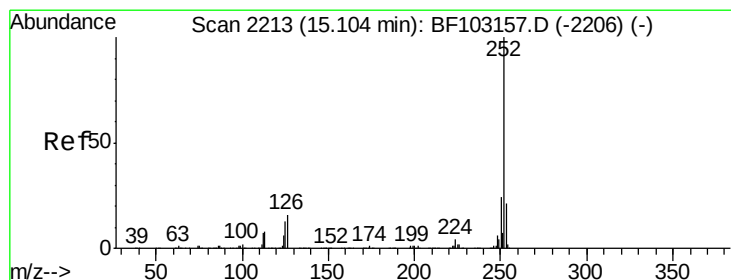
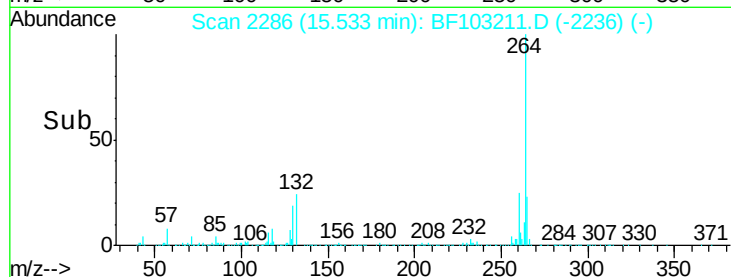
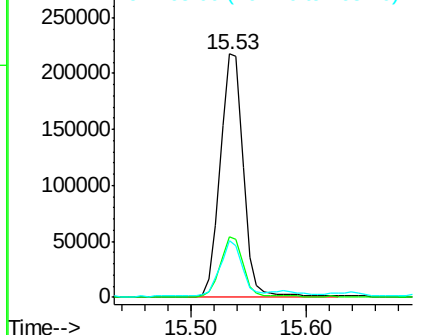


Abundance

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: 16.389 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

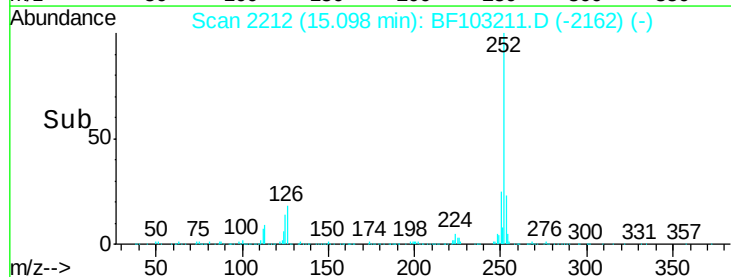
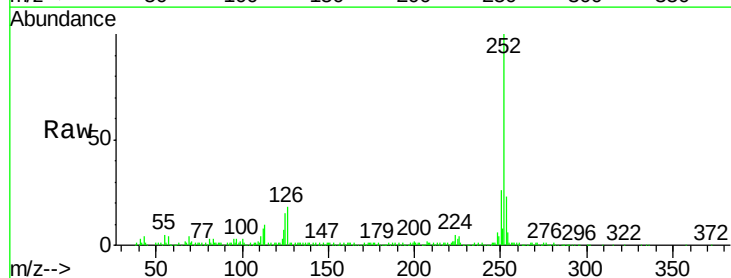
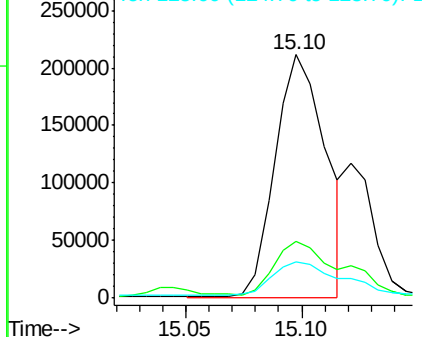
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	322618		
253	23.3	17.0	25.6	
125	15.1	9.0	13.6	

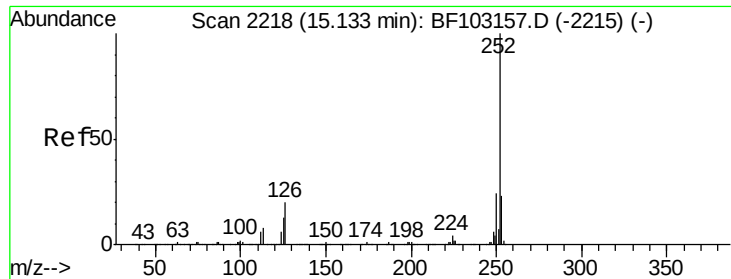
Abundance

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





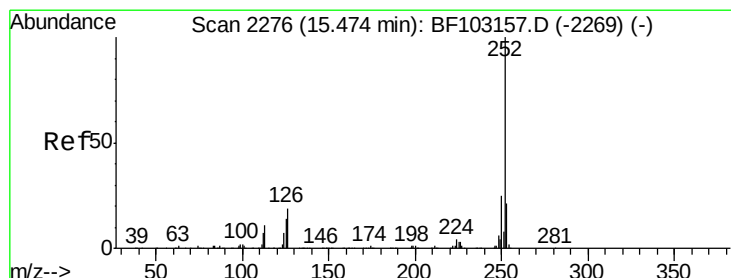
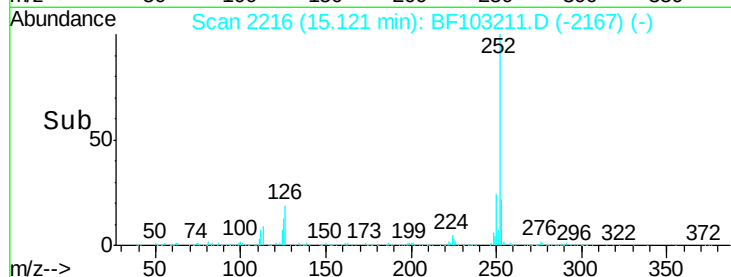
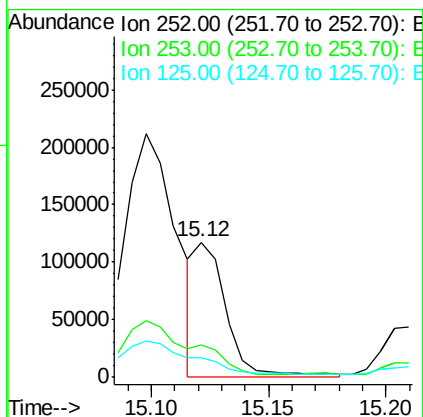
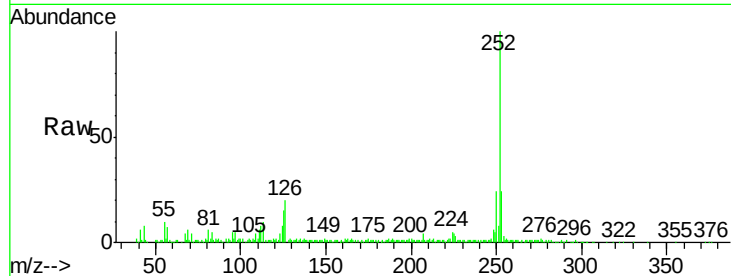
#88
Benzo(k)fluoranthene
Concen: 5.840 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :
OK-01-022218

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.6	10.2	15.2

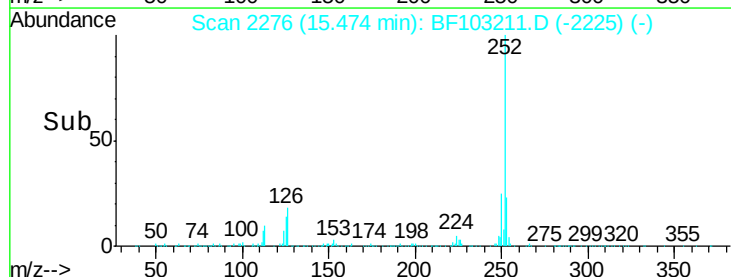
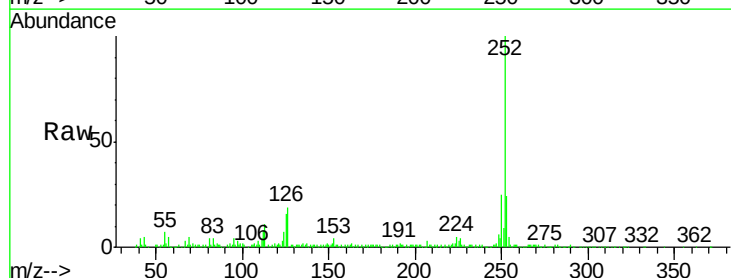
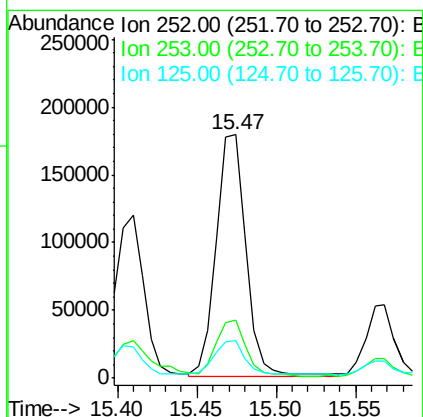
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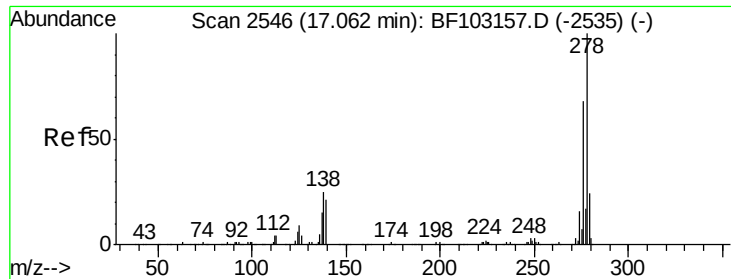
Sohil
2/27/2018 12:22:28 PM



#89
Benzo(a)pyrene
Concen: 13.254 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	15.6	9.8	14.6#





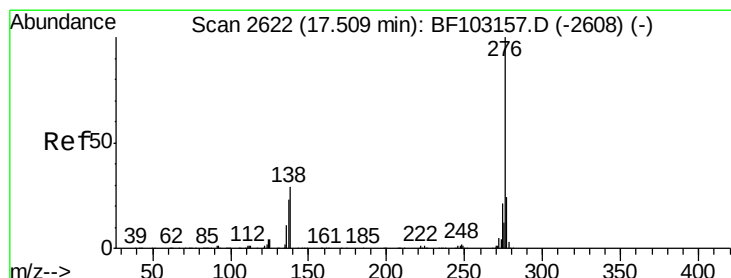
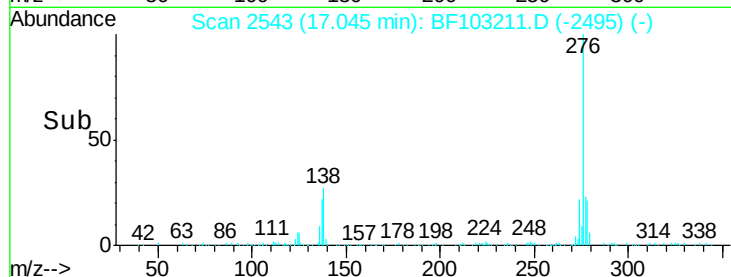
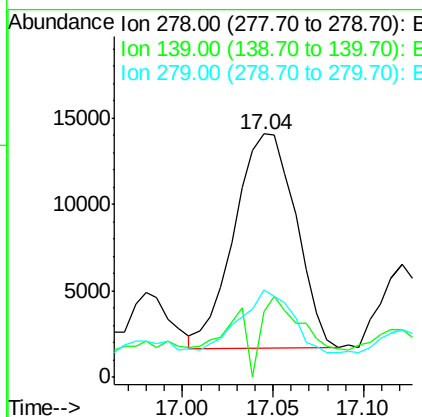
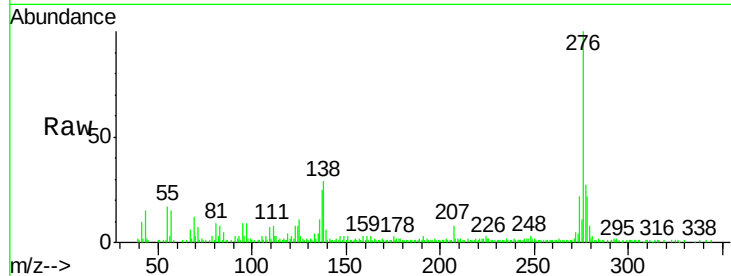
#90
Dibenzo(a,h)anthracene
Concen: 2.160 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :
OK-01-022218

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.0	15.9	23.9#
279	35.8	19.0	28.4#

Manual Integrations
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2/27/2018 12:22:28 PM



#91
Benzo(g,h,i)perylene
Concen: 8.993 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF103211.D
Acq: 26 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	30.4	21.8	32.8

