

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101026.D
 Acq On : 30 Nov 2017 19:17
 Operator : SJ/JU
 Sample : I6610-12 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127

Manual Integrations
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 12/1/2017 11:12:48 AM

Quant Time: Dec 01 01:19:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	53722	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	201118	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	78477	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	114985	20.00	ng	0.00
75) Chrysene-d12	14.03	240	110105	20.00	ng	0.00
86) Perylene-d12	15.51	264	128395	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	138085	42.47	ng	0.00
7) Phenol-d6	6.48	99	161775	40.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	96756	28.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	30248	32.09	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	204378	35.63	ng	0.00
78) Terphenyl-d14	12.96	244	130697	25.96	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	60282	6.082	ng	98
37) 2-Methylnaphthalene	8.85	142	20924	3.107	ng	97
48) Acenaphthylene	9.75	152	47668	5.680	ng	97
49) Dimethylphthalate	9.60	163	15447	2.441	ng	# 96
51) Acenaphthene	9.92	154	53806	10.708	ng	100
54) Dibenzofuran	10.09	168	41352	5.711	ng	97
57) Fluorene	10.44	166	63085	10.717	ng	98
70) Phenanthrene	11.41	178	693434	109.510	ng	99
71) Anthracene	11.46	178	184622	28.808	ng	98
72) Carbazole	11.61	167	70585	12.055	ng	97
74) Fluoranthene	12.60	202	980593	139.703	ng	98
77) Pvrene	12.83	202	915925	120.555	ng	99
79) Butylbenzylphthalate	13.44	149	551533	164.652	ng	97
80) Benzo(a)anthracene	14.02	228	579550m	83.366	ng	
82) Chrysene	14.06	228	551948m	85.490	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	160595	33.625	ng	99
85) Indeno(1,2,3-cd)pvrene	17.00	276	276715	48.209	ng	# 87
87) Benzo(b)fluoranthene	15.09	252	716587m	93.178	ng	
88) Benzo(k)fluoranthene	15.11	252	252927m	33.381	ng	
89) Benzo(a)pvrene	15.46	252	531140	75.968	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	73503m	11.925	ng	
91) Benzo(g,h,i)perylene	17.45	276	242243	41.702	ng	# 90

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

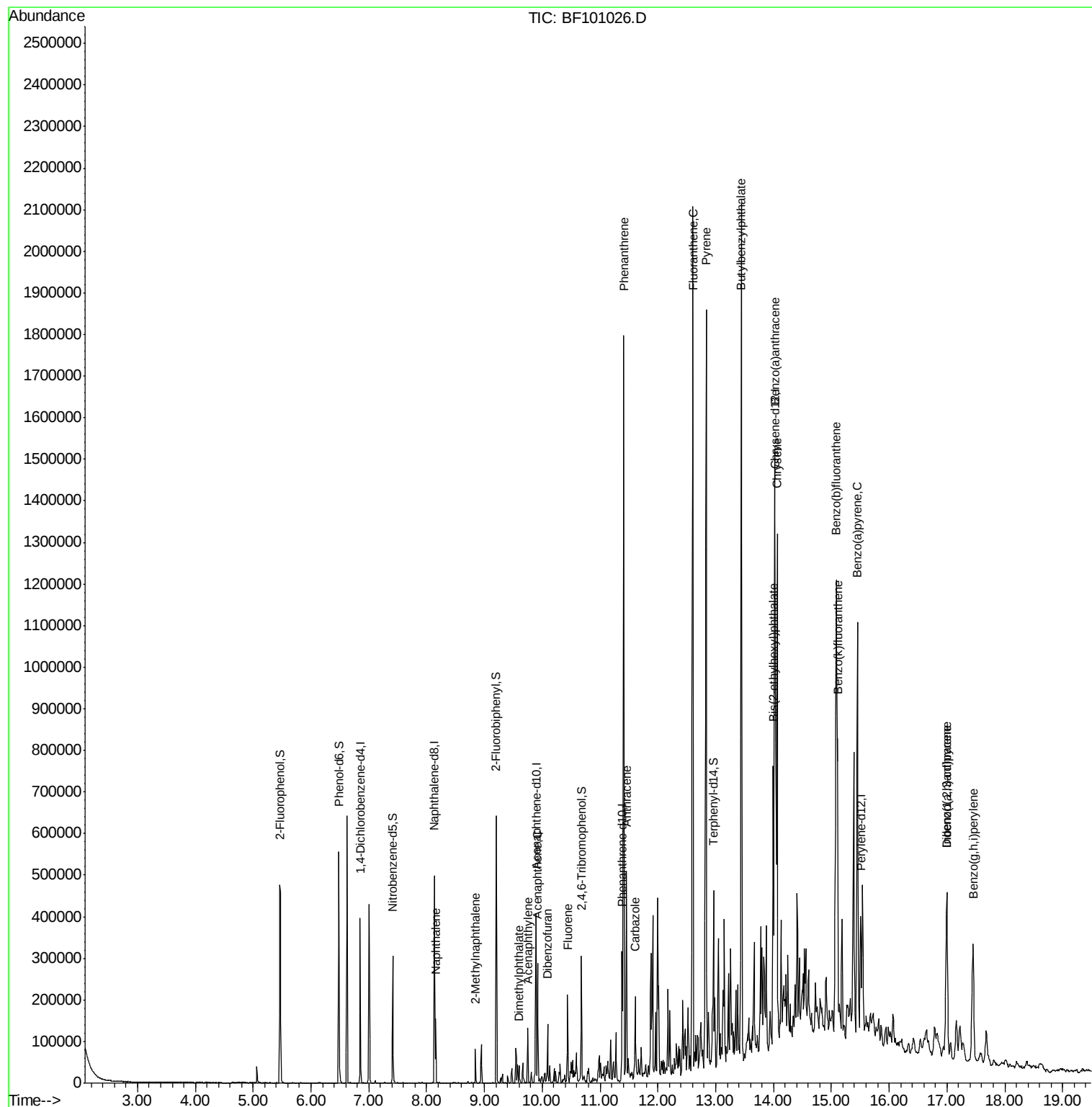
Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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ALS Vial : 7 Sample Multiplier: 1

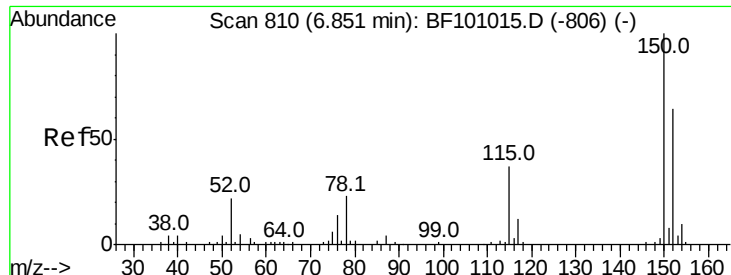
Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Quant Time: Dec 01 01:19:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

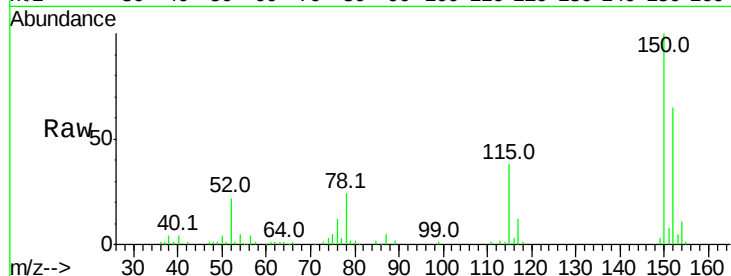
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

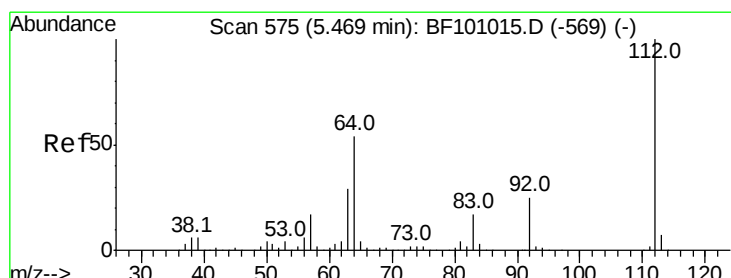
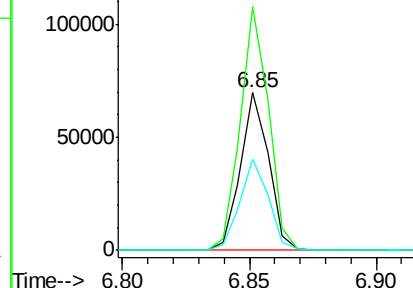
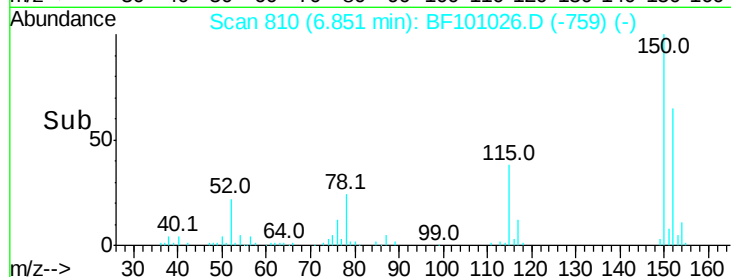
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	58.2	50.1	75.1

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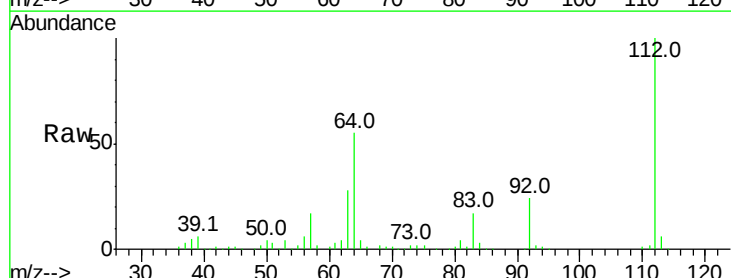
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



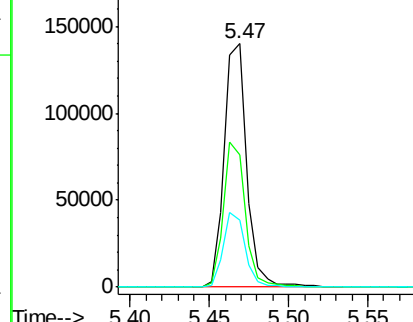
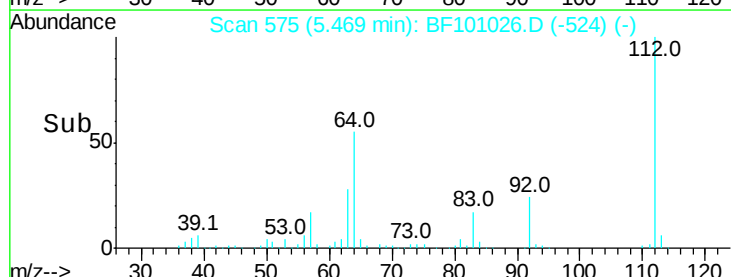
#5

2-Fluorophenol
Concen: 42.474 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	47.9	71.9
63	27.5	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: 40.986 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Instrument :

BNA_F

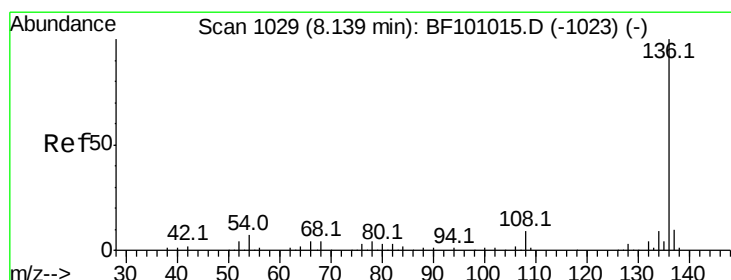
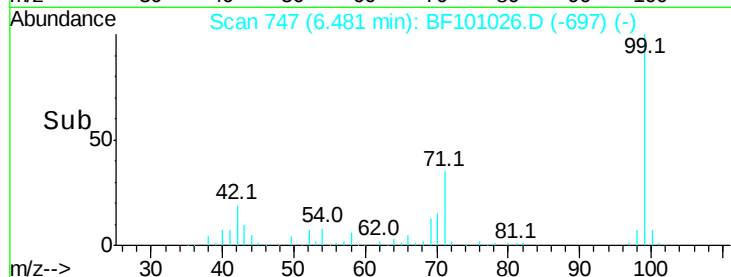
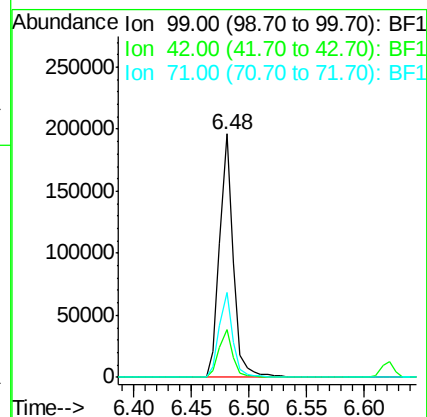
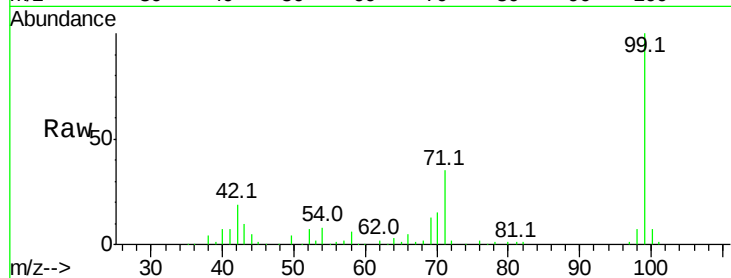
ClientSampleId :

SB-9(0-2)-20171127

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		161775		
42	19.4	14.5	21.7		
71	34.9	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

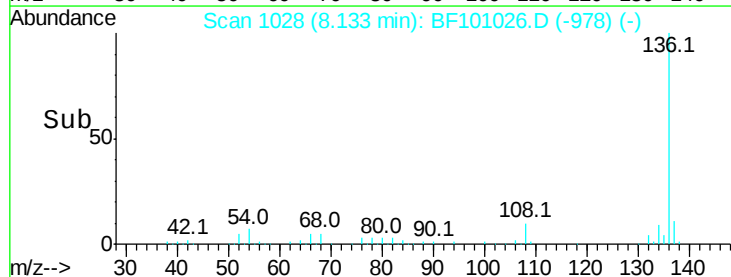
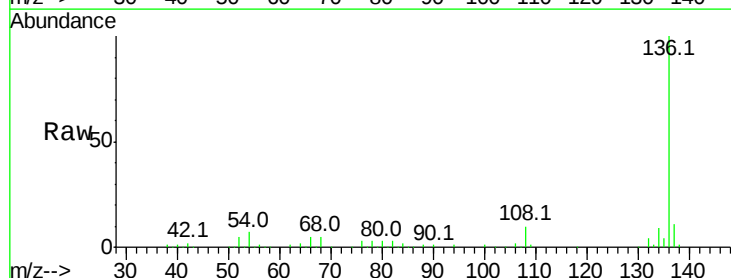
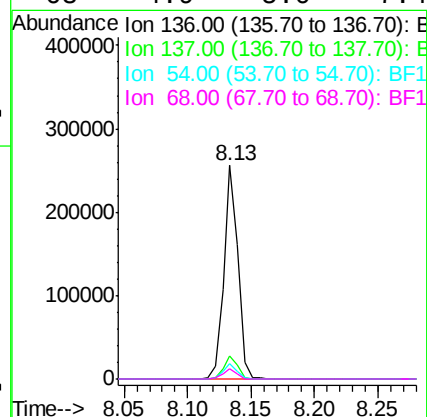
RT: 8.13 min Scan# 1028

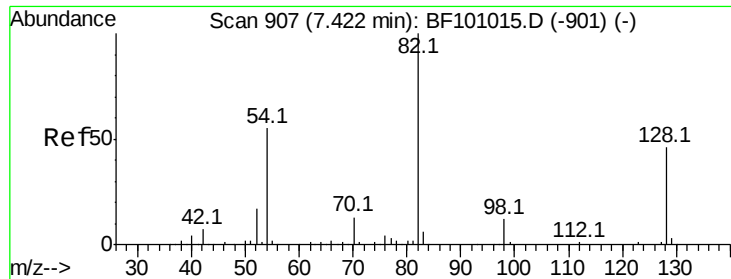
Delta R.T. -0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		201118		
137	11.0	8.9	13.3		
54	7.4	6.6	9.8		
68	4.9	5.0	7.4#		





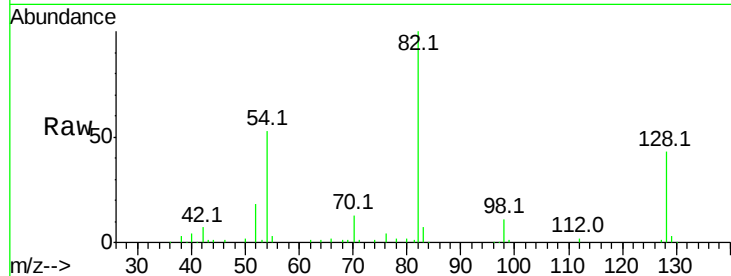
#23
Nitrobenzene-d5
Concen: 28.699 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

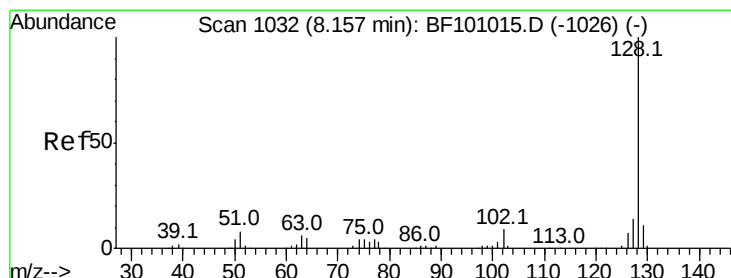
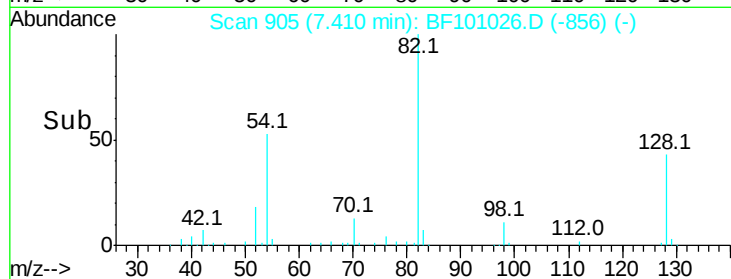
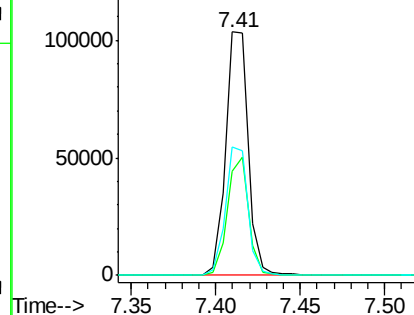
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	52.9	41.4	62.2

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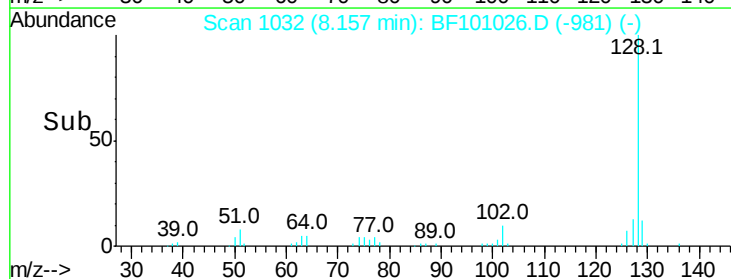
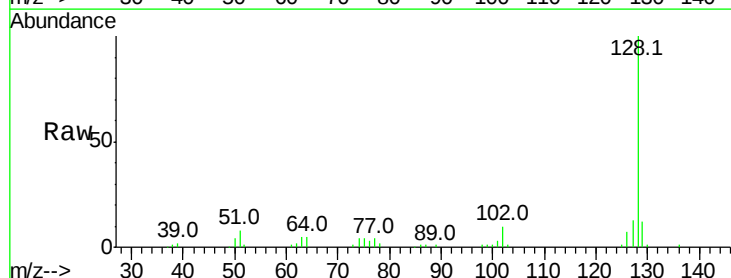
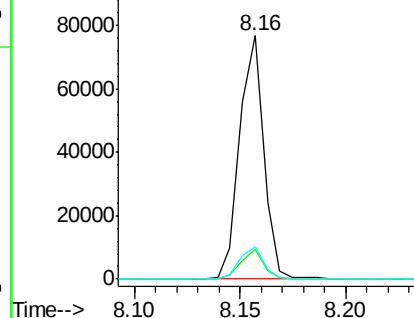
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

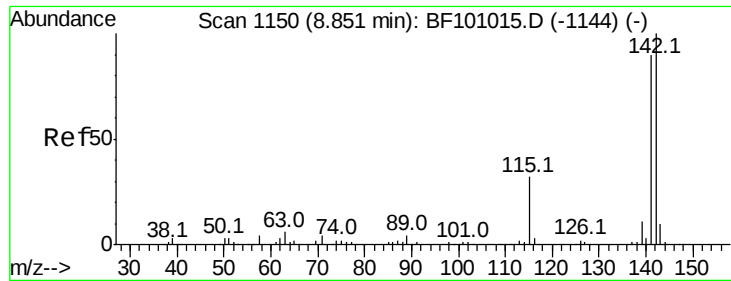


#31
Naphthalene
Concen: 6.082 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	13.3	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





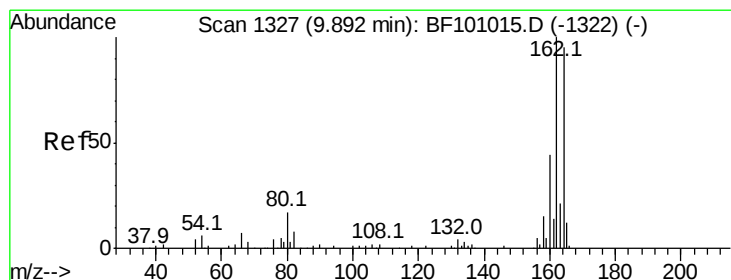
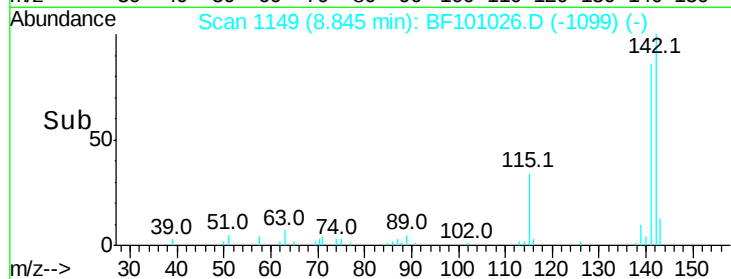
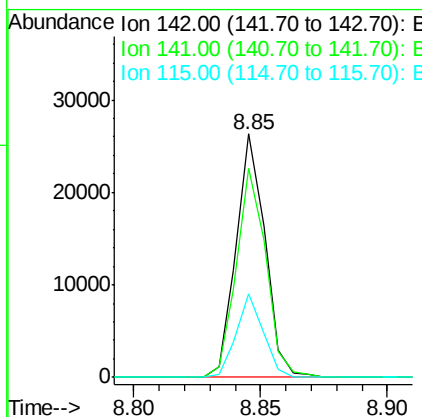
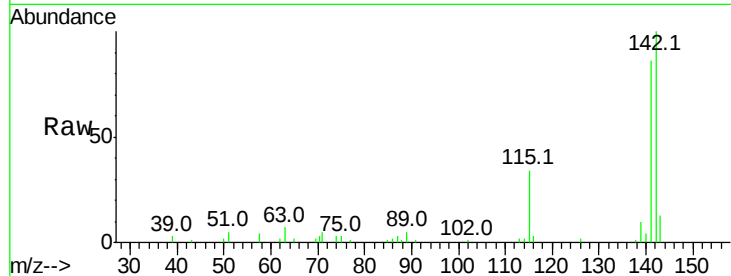
#37
2-Methylnaphthalene
Concen: 3.107 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	70.8	106.2
115	34.2	26.1	39.1

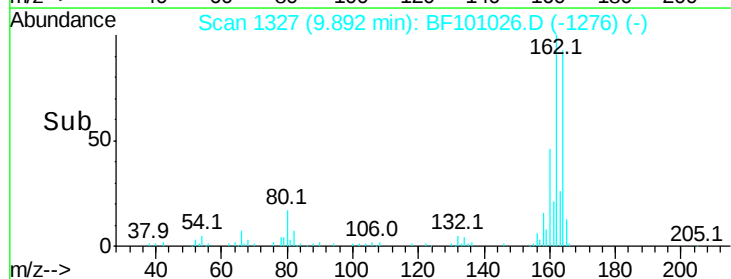
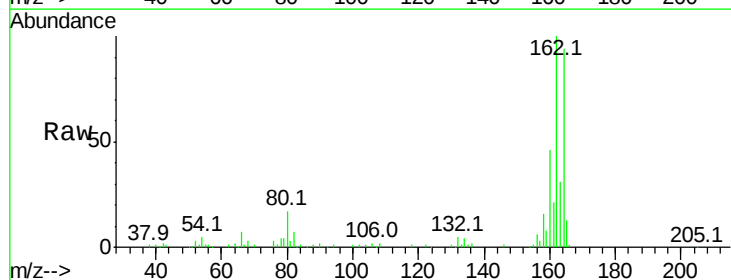
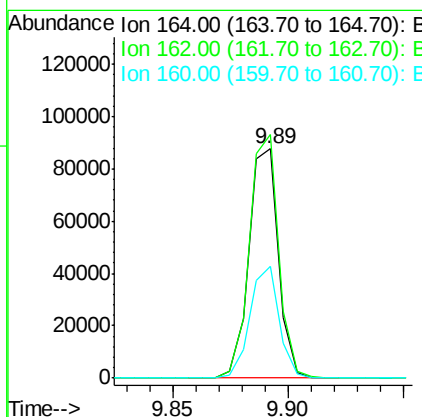
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	48.8	38.3	57.5





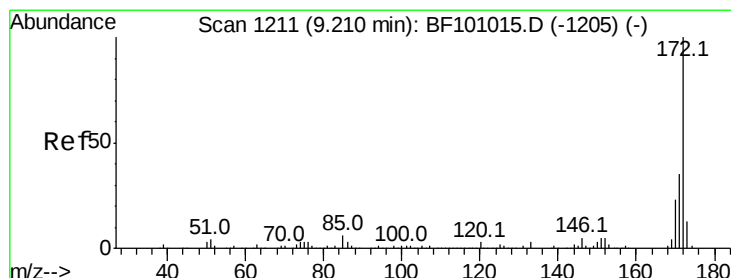
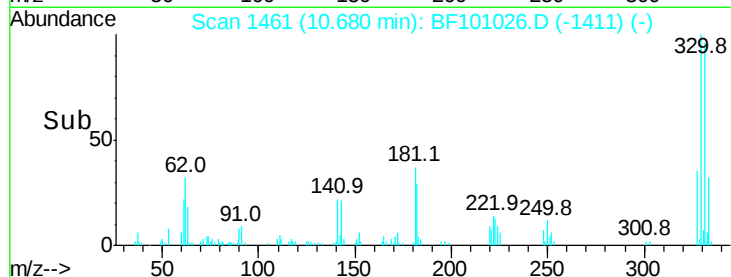
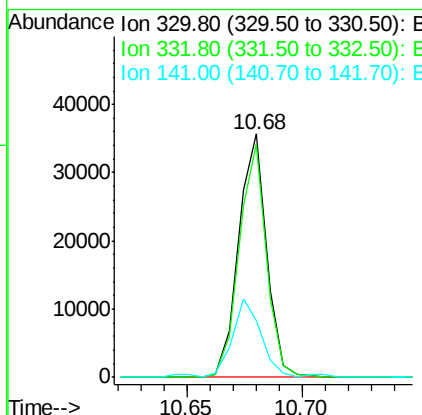
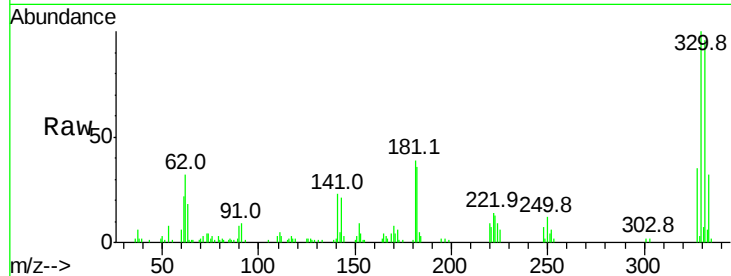
#41
 2,4,6-Tribromophenol
 Concen: 32.085 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101026.D
 Acq: 30 Nov 2017 19:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.5	77.0	115.6	
141	34.7	29.9	44.9	

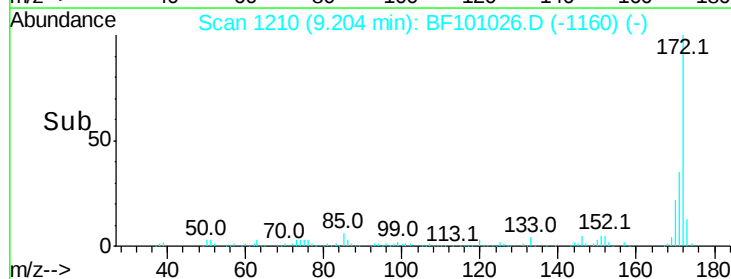
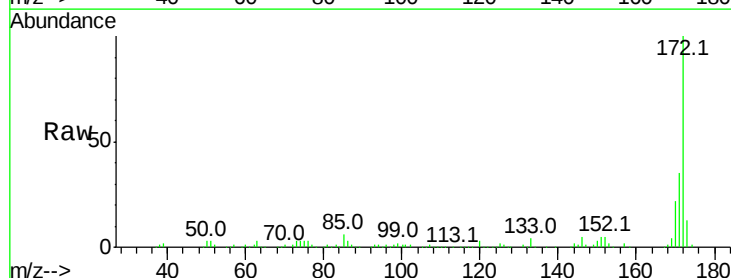
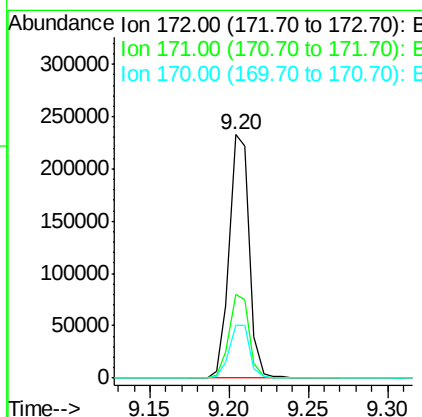
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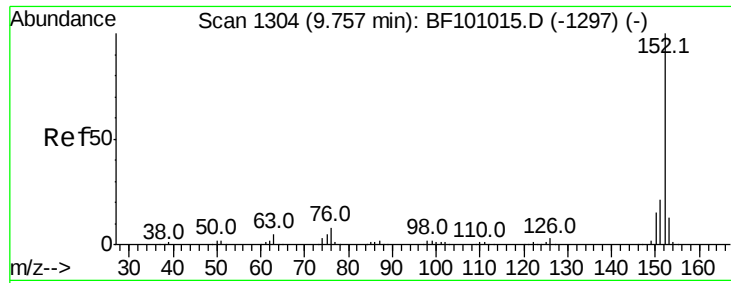
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#44
 2-Fluorobiphenyl
 Concen: 35.632 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101026.D
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.5	29.7	44.5	
170	22.0	19.6	29.4	





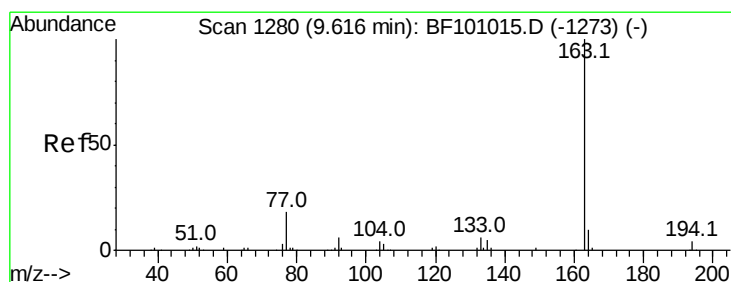
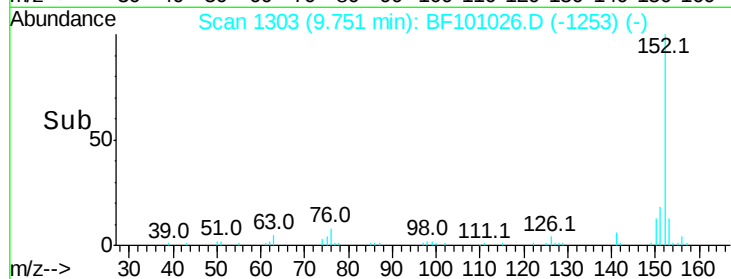
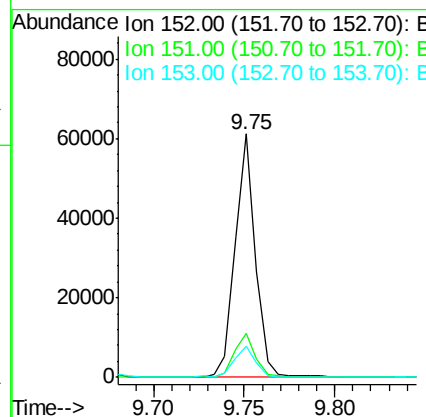
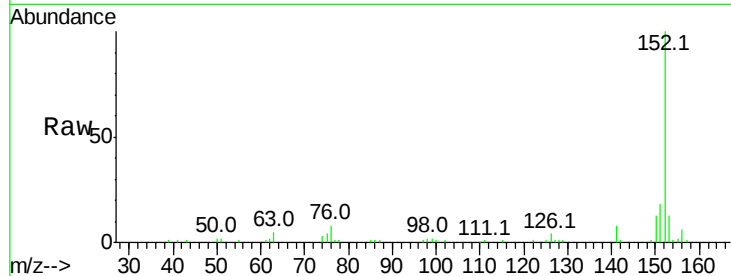
#48
Acenaphthylene
Concen: 5.680 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
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ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	152	Resp:	47668
Ion Ratio	Lower	Upper	
152	100		
151	18.3	16.3	24.5
153	12.9	10.7	16.1

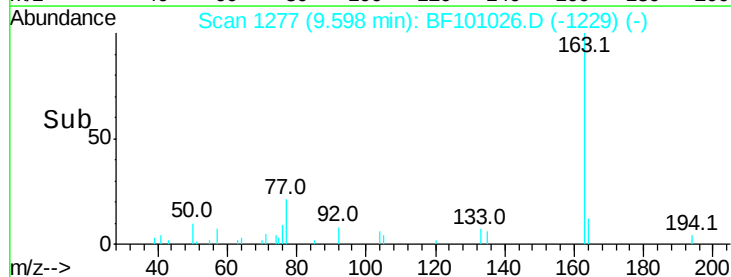
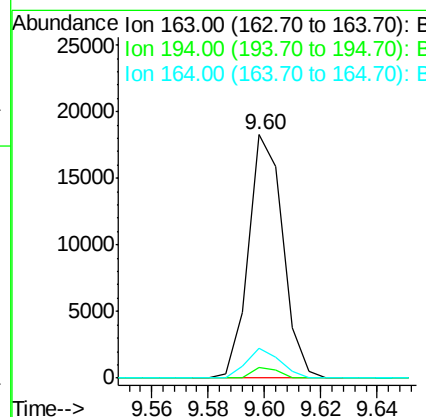
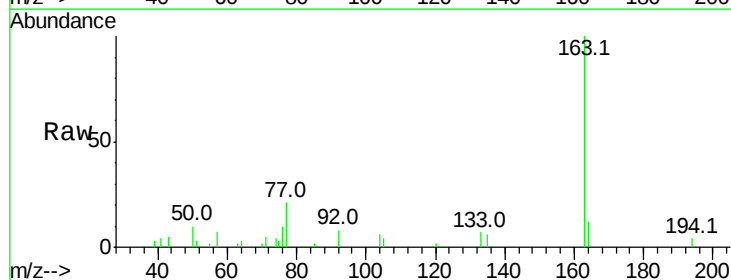
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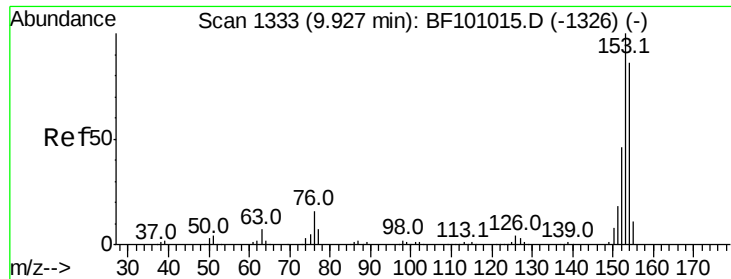
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#49
Dimethylphthalate
Concen: 2.441 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	163	Resp:	15447
Ion Ratio	Lower	Upper	
163	100		
194	4.2	2.7	4.1#
164	12.1	8.2	12.2





#51

Acenaphthene

Concen: 10.708 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Instrument :

BNA_F

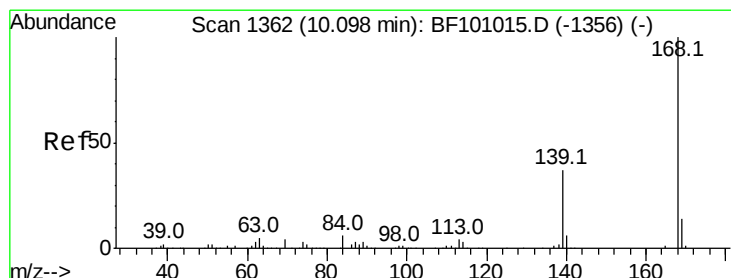
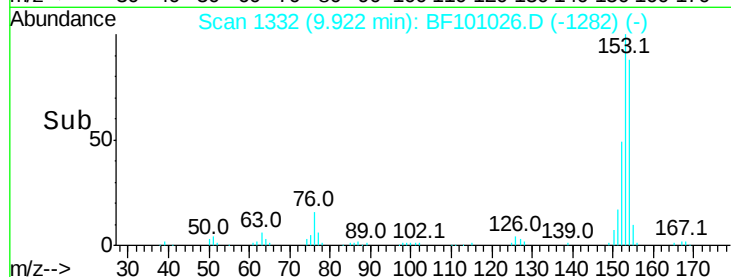
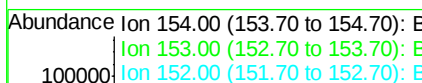
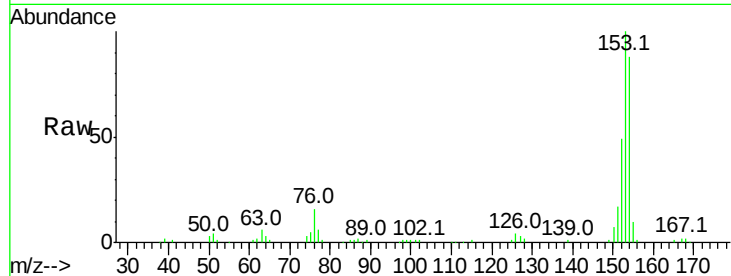
ClientSampleId :

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Tot Ion:	154	Resp:	53806
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.2	136.8
152	55.9	43.8	65.8

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#54

Dibenzofuran

Concen: 5.711 ng

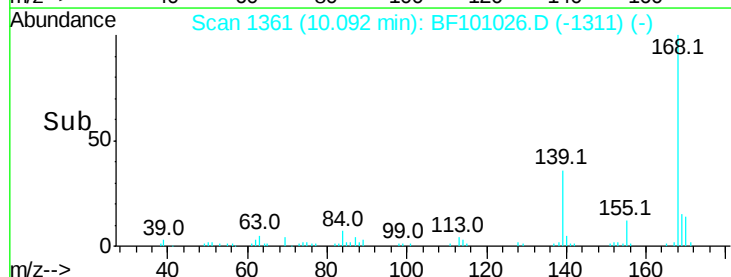
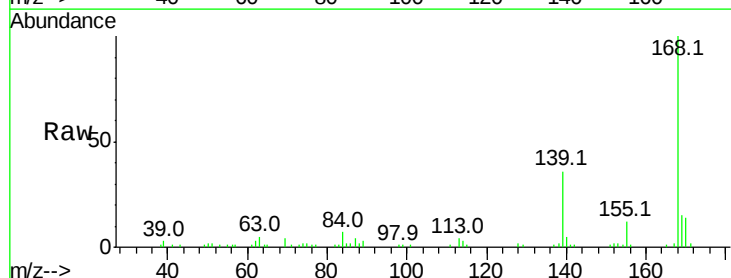
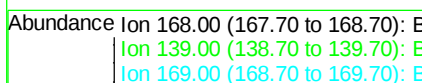
RT: 10.09 min Scan# 1361

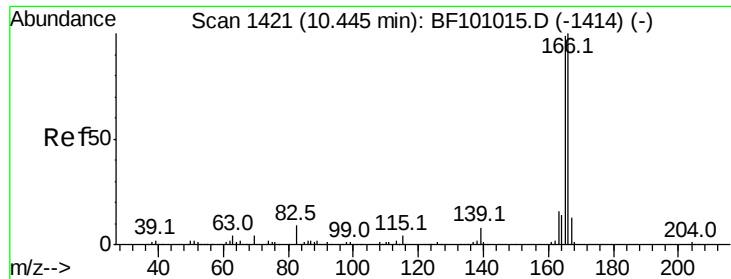
Delta R.T. -0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Tgt Ion:	168	Resp:	41352
Ion Ratio	Lower	Upper	
168	100		
139	35.8	30.1	45.1
169	14.9	10.9	16.3





#57

Fluorene

Concen: 10.717 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Instrument :

BNA_F

ClientSampleId :

SB-9(0-2)-20171127

Tot Ion:166 Resp: 63085

Ion Ratio Lower Upper

166 100

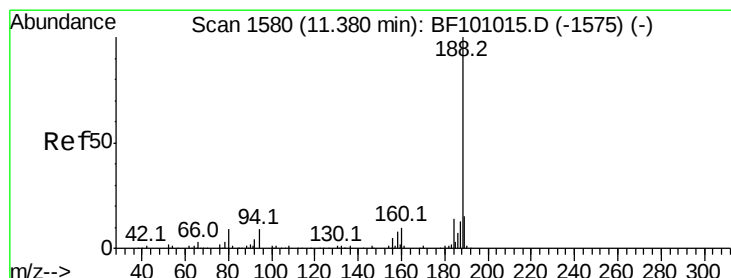
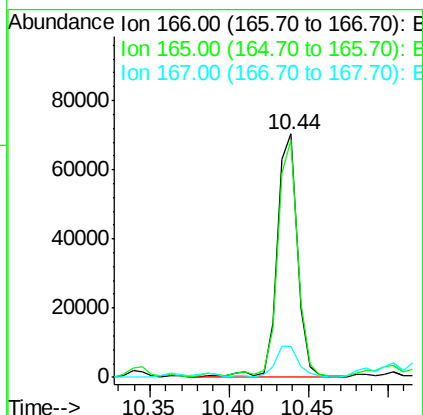
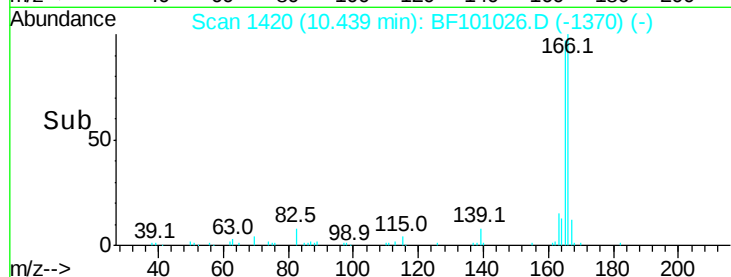
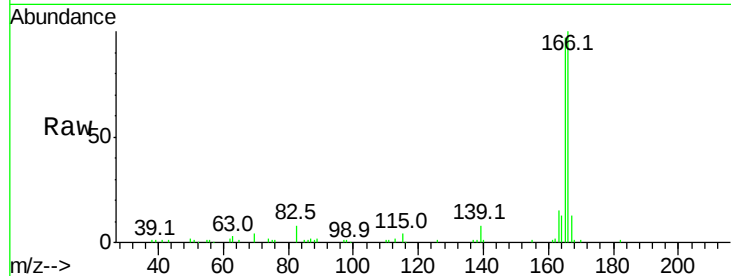
165 97.3 79.8 119.8

167 13.1 10.6 16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

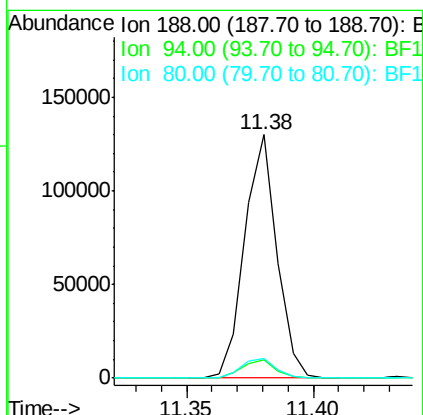
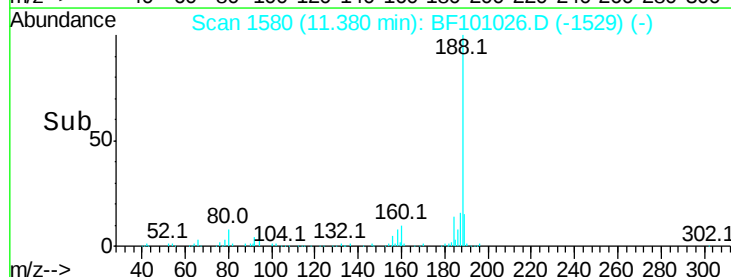
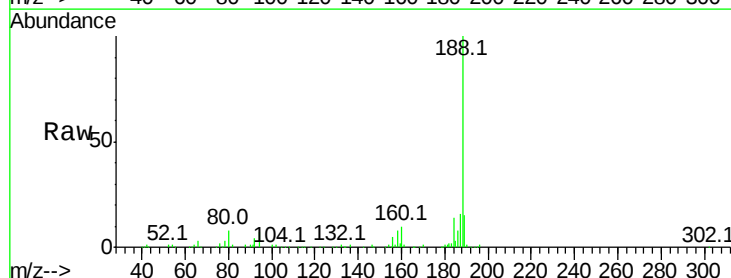
Tgt Ion:188 Resp: 114985

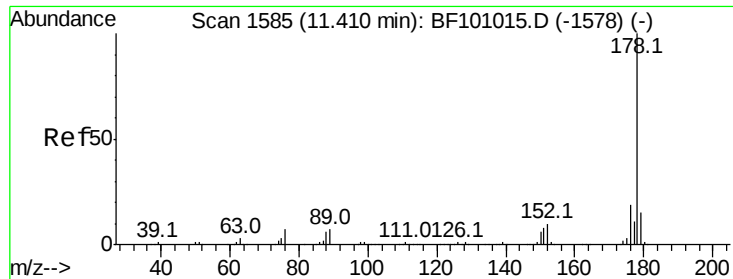
Ion Ratio Lower Upper

188 100

94 7.4 8.5 12.7#

80 7.8 9.2 13.8#





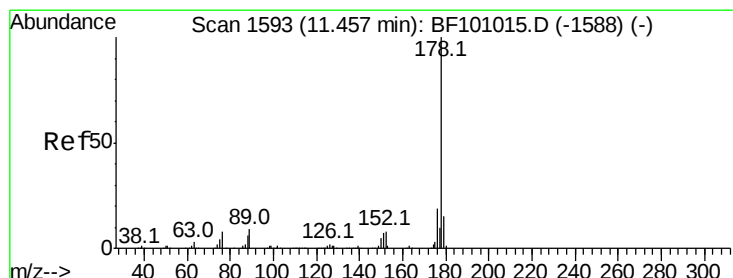
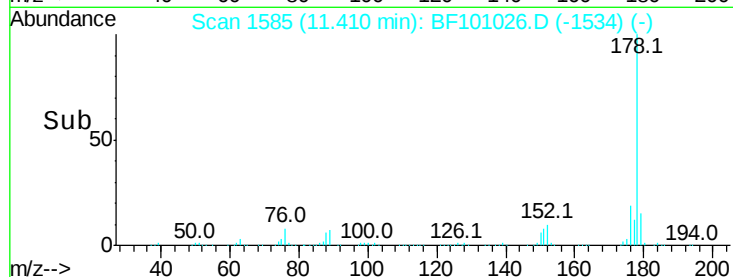
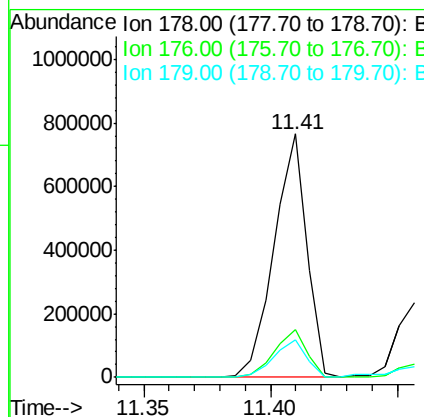
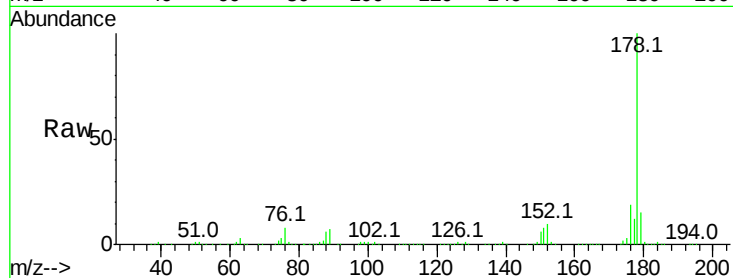
#70
Phenanthrene
Concen: 109.510 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

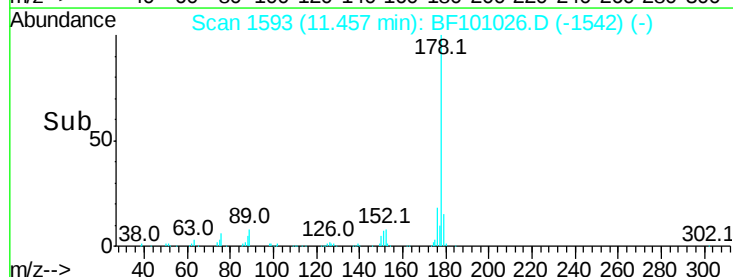
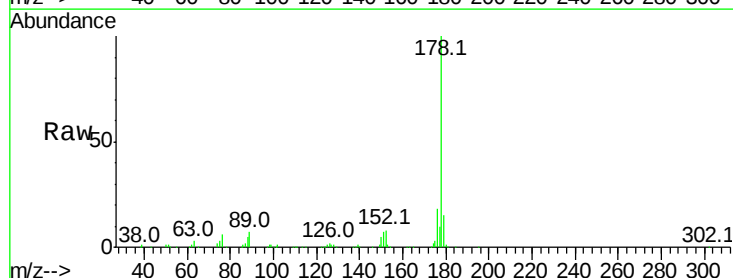
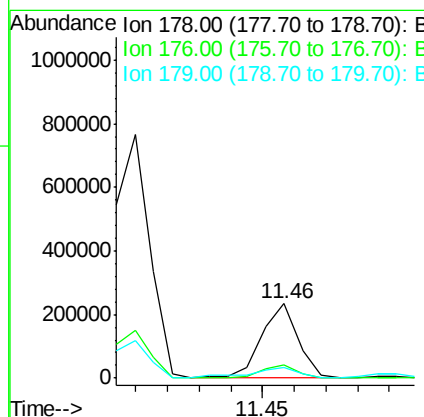
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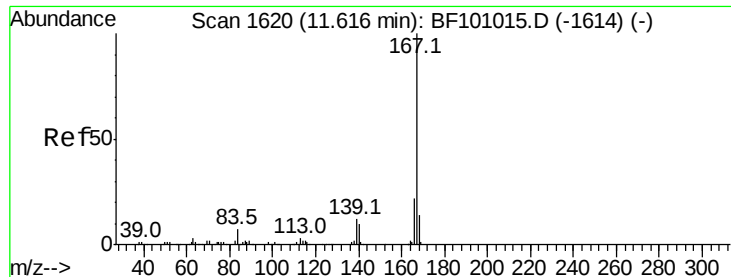
Sohil
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#71
Anthracene
Concen: 28.808 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.7	12.6	19.0





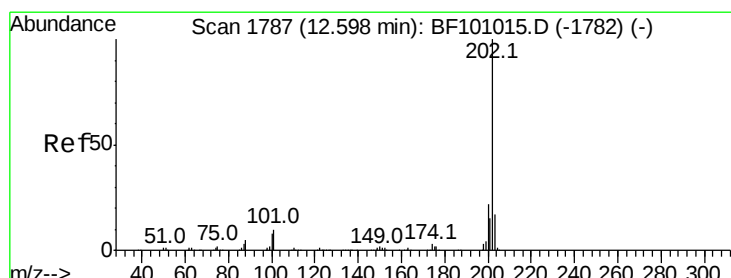
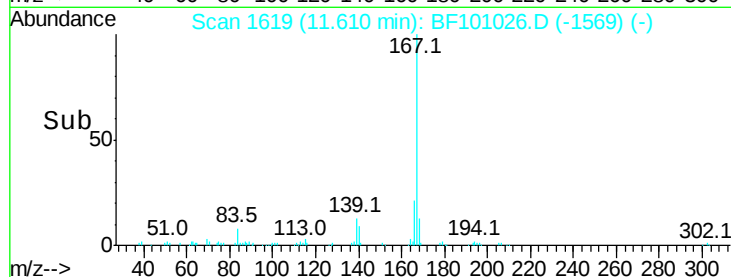
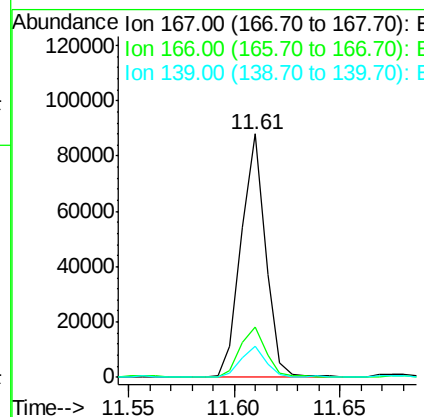
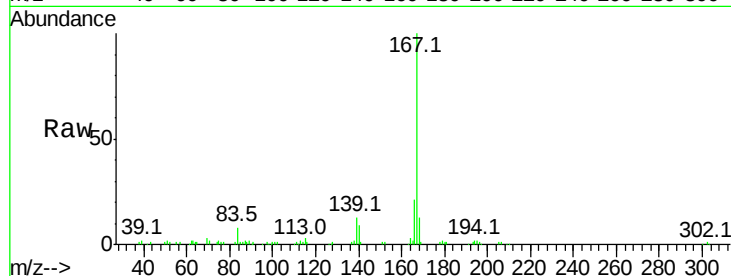
#72
 Carbazole
 Concen: 12.055 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF101026.D
 Acq: 30 Nov 2017 19:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127

Tot Ion:	167	Resp:	70585
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.6	26.4
139	12.6	10.9	16.3

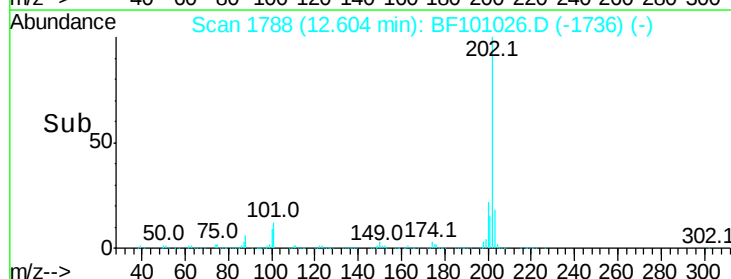
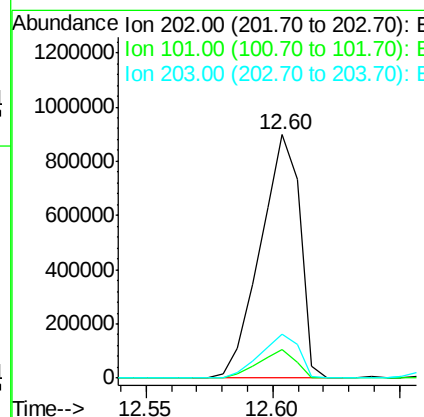
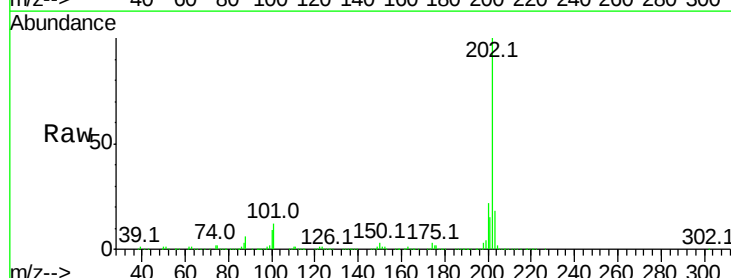
Manual Integrations
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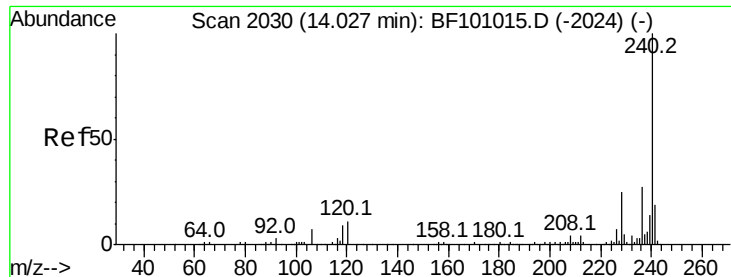
Sohil
 12/1/2017 11:12:48 AM



#74
 Fluoranthene
 Concen: 139.703 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF101026.D
 Acq: 30 Nov 2017 19:17

Tgt Ion:	202	Resp:	980593
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Instrument :

BNA_F

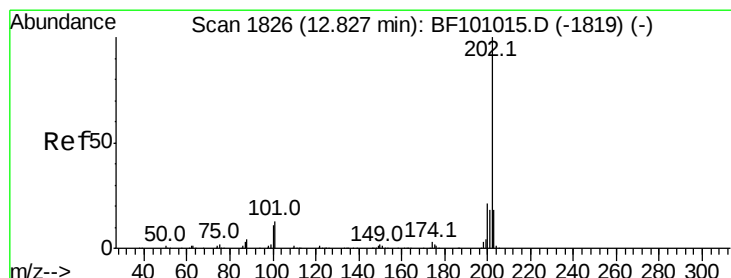
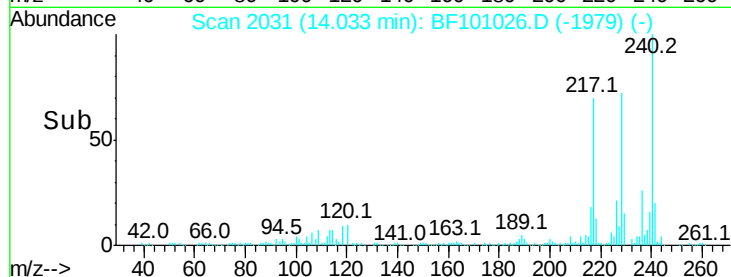
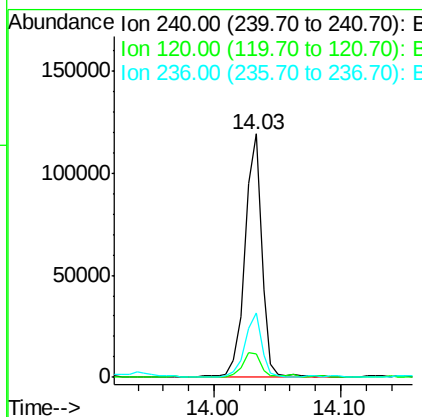
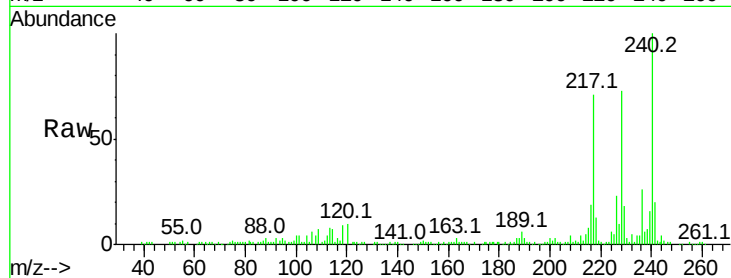
ClientSampleId :

SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.5	14.3
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 120.555 ng

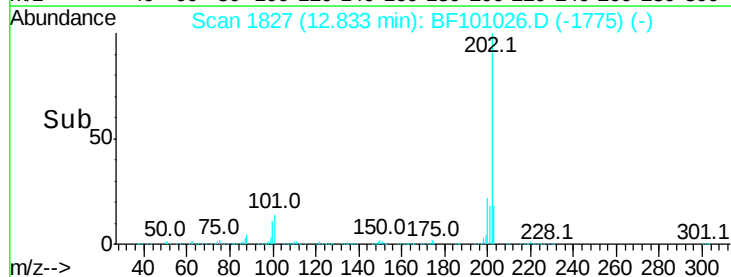
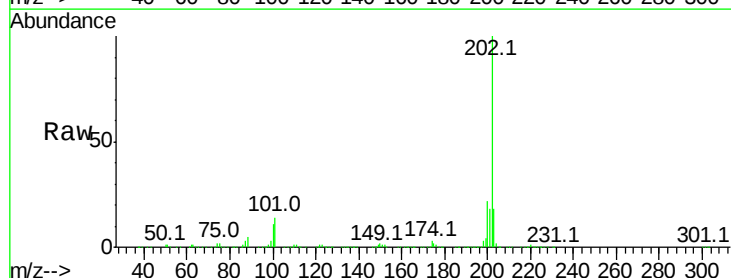
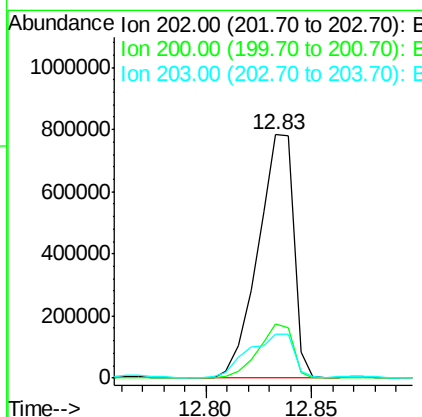
RT: 12.83 min Scan# 1827

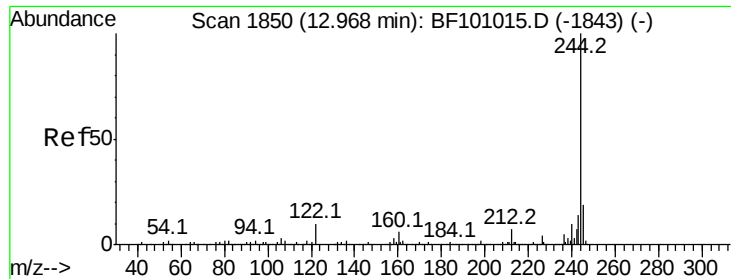
Delta R.T. 0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 25.963 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Instrument :

BNA_F

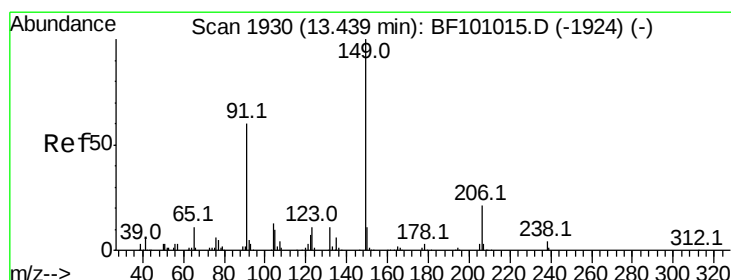
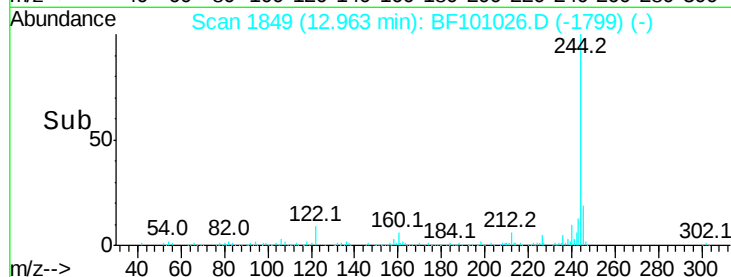
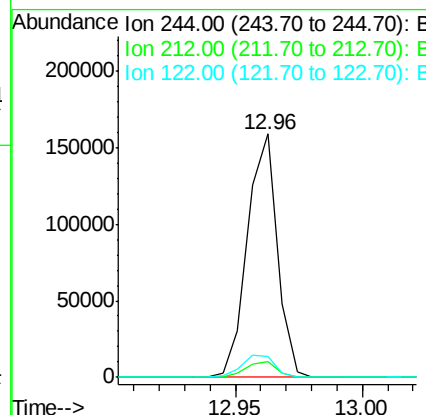
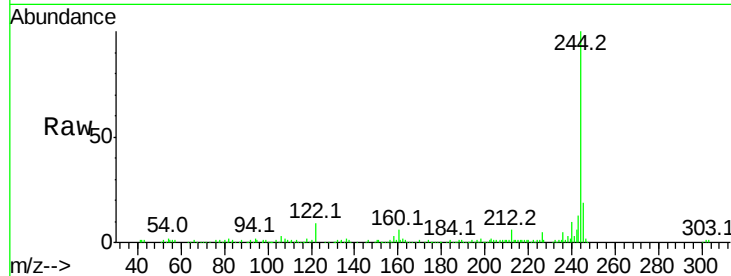
ClientSampleId :

SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.6	11.0	16.4

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#79

Butylbenzylphthalate

Concen: 164.652 ng

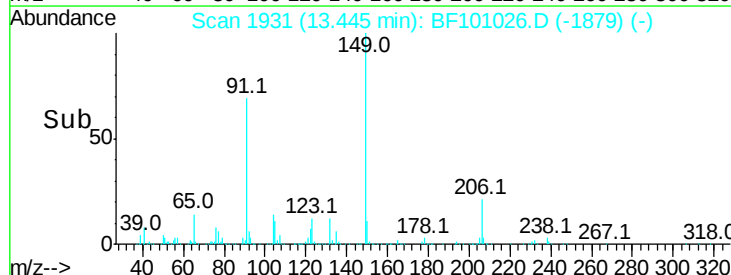
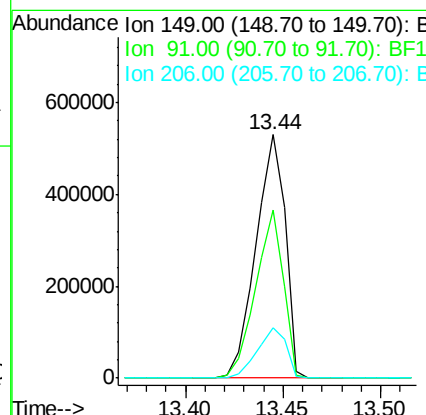
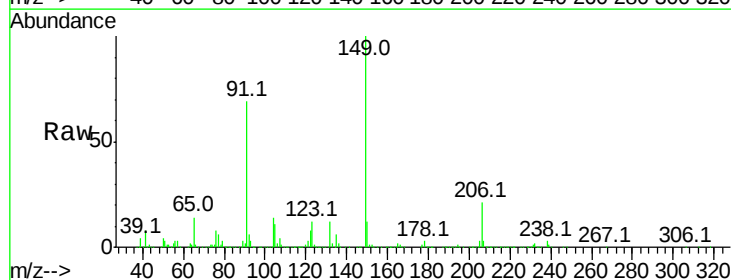
RT: 13.44 min Scan# 1931

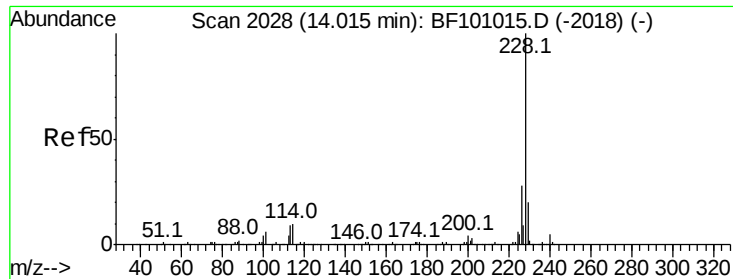
Delta R.T. 0.01 min

Lab File: BF101026.D

Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.3	56.8	85.2
206	20.7	14.1	21.1





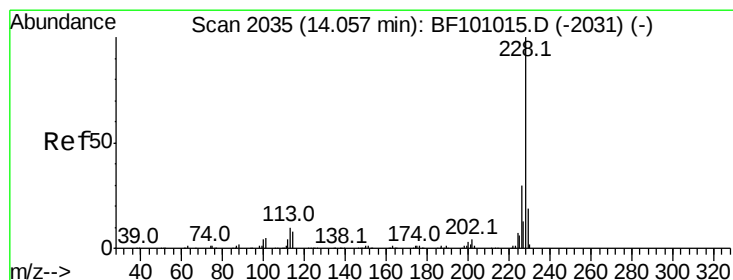
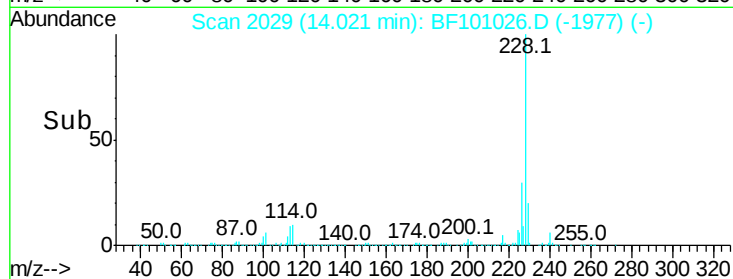
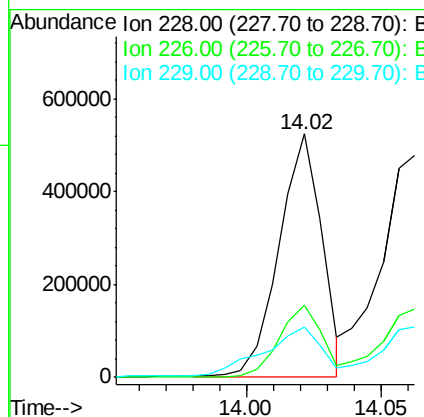
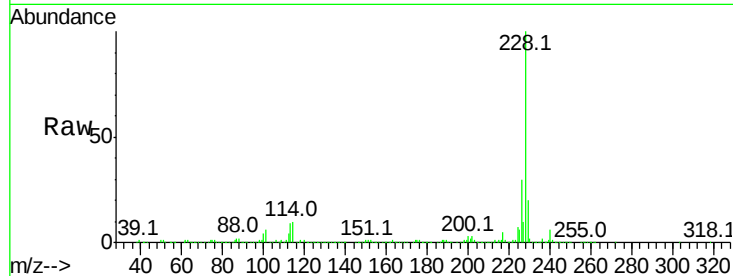
#80
Benzo(a)anthracene
Concen: 83.366 ng m
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.5	15.8	23.6

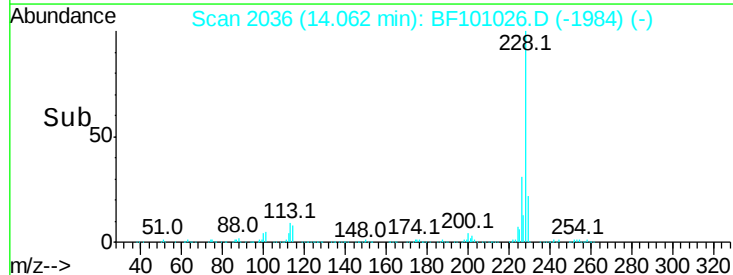
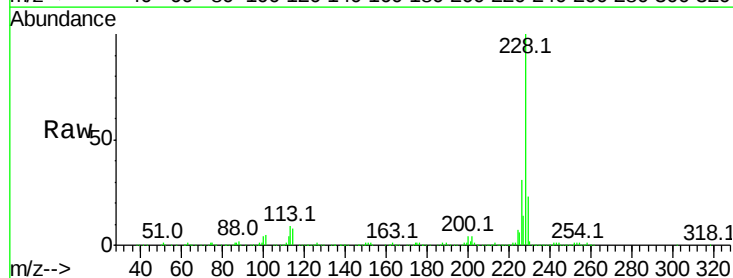
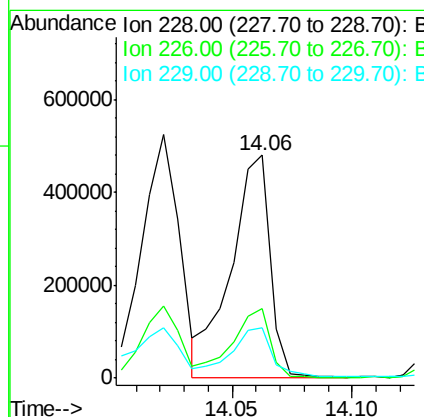
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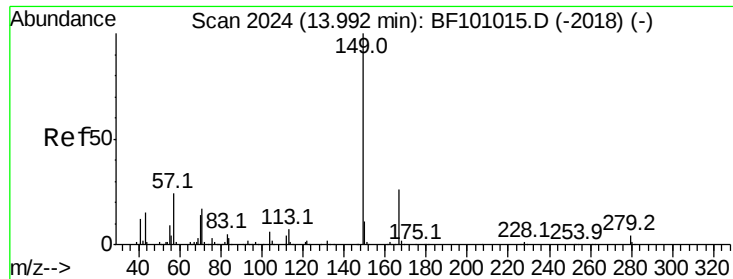
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#82
Chrysene
Concen: 85.490 ng m
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.7	16.2	24.4





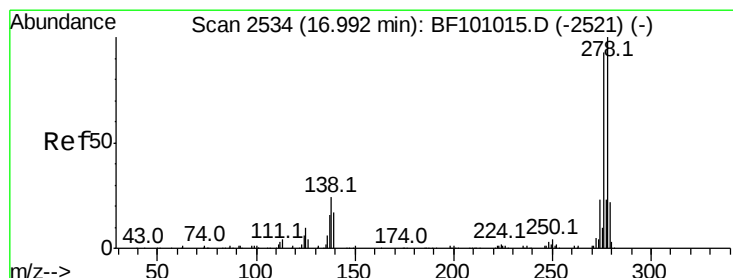
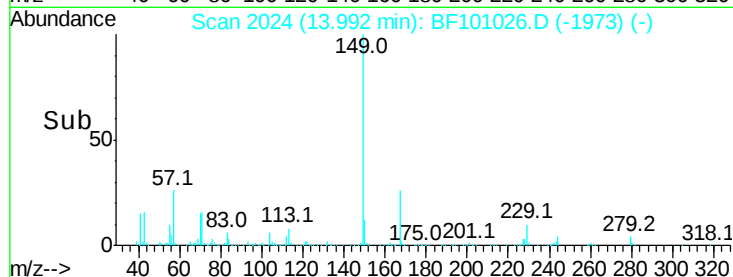
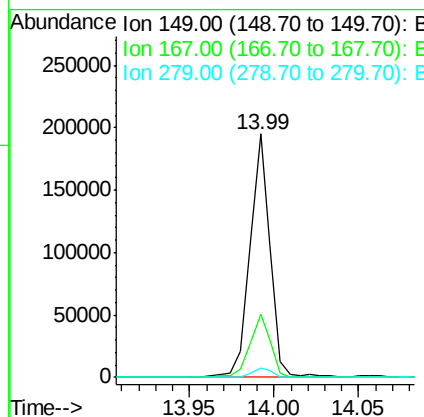
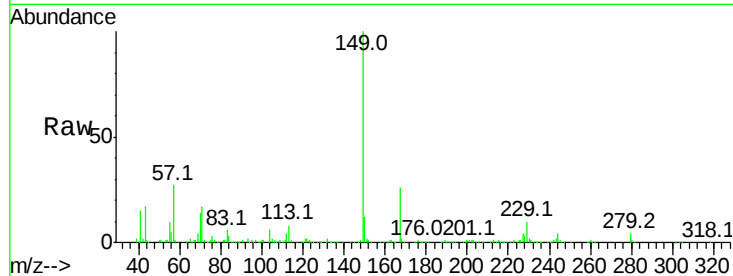
#83
Bis(2-ethylhexyl)phthalate
Concen: 33.625 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
149	100	160595		
167	26.0	21.3	31.9	
279	3.7	3.0	4.4	

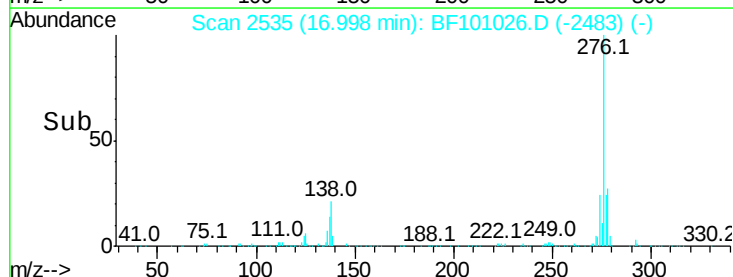
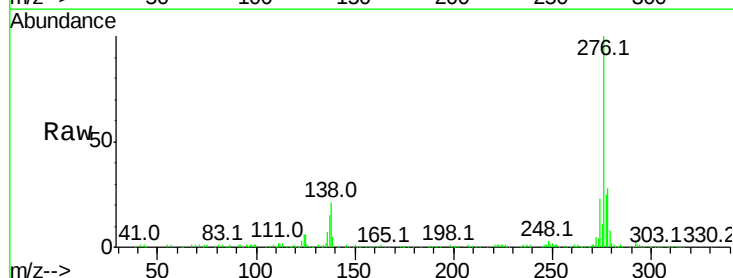
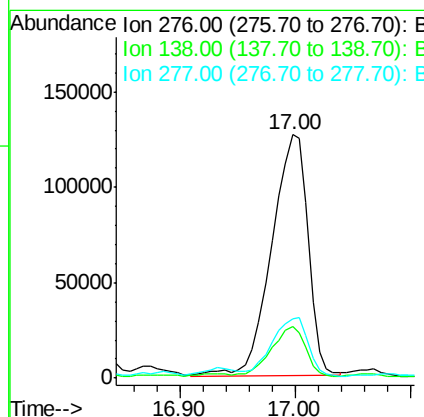
Manual Integrations
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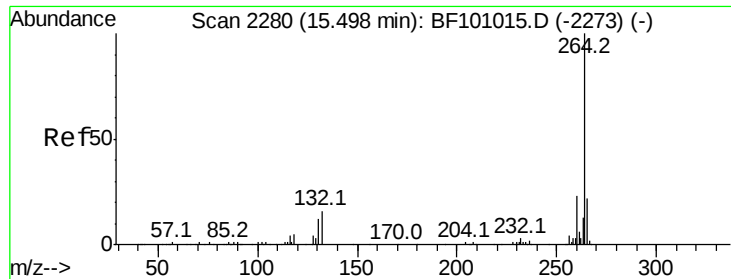
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 48.209 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	276715		
138	19.7	25.0	37.6#	
277	24.1	20.1	30.1	





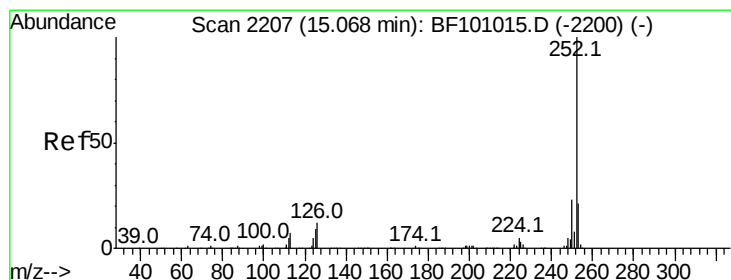
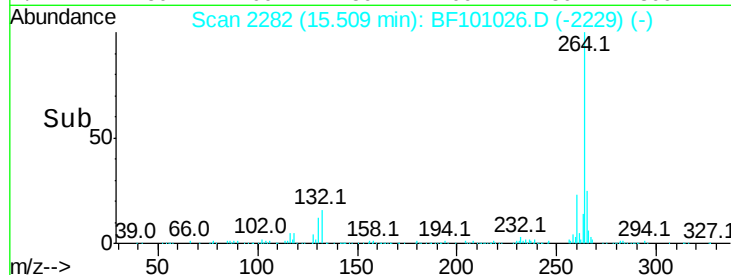
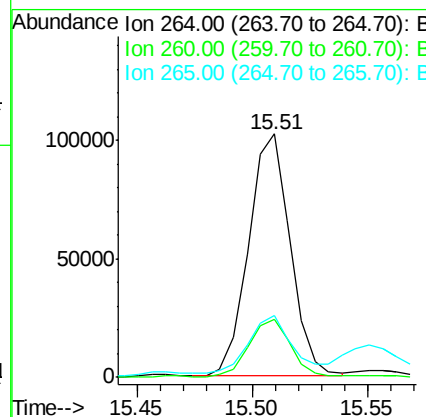
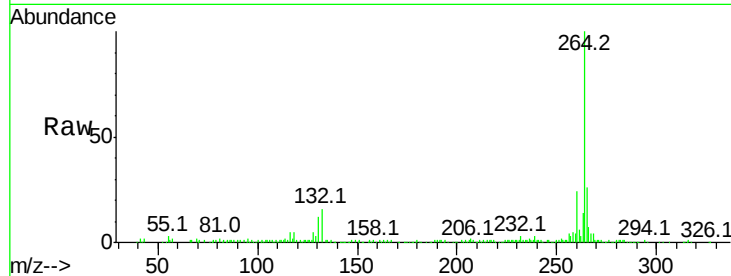
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	25.5	17.5	26.3

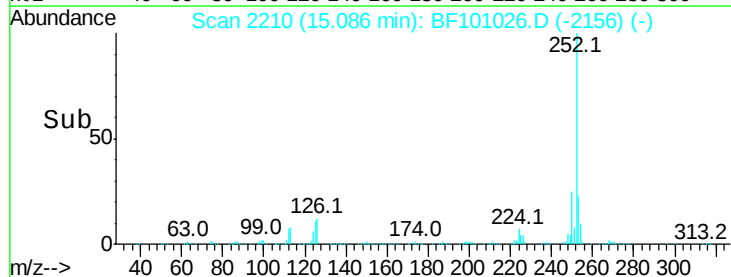
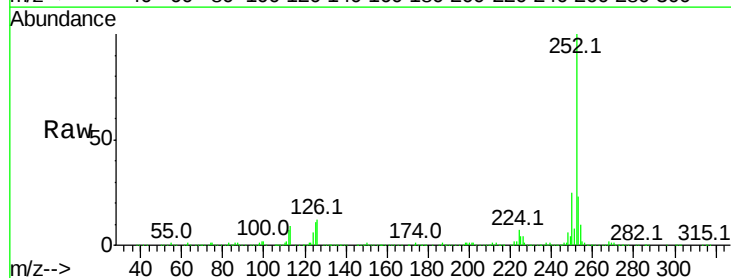
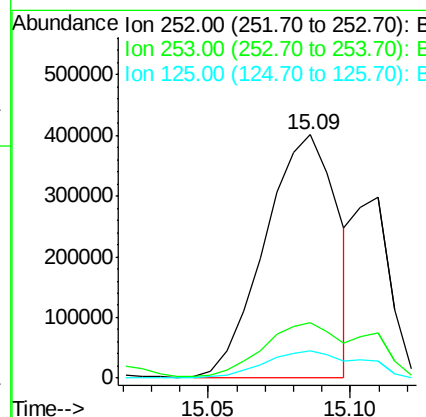
Manual Integrations
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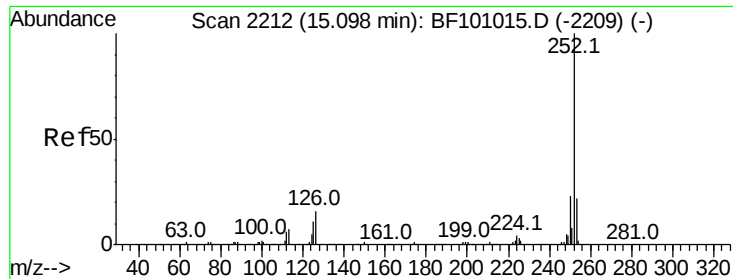
Sohil
12/1/2017 11:12:48 AM



#87
Benzo(b)fluoranthene
Concen: 93.178 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.0	9.0	13.6





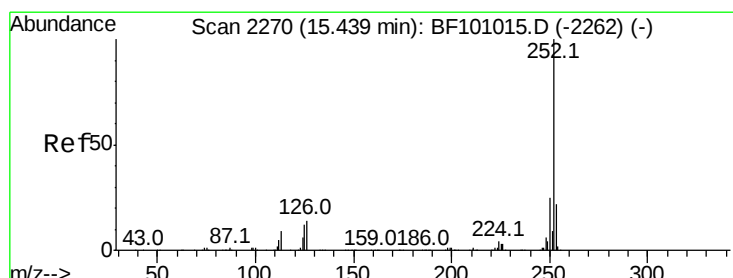
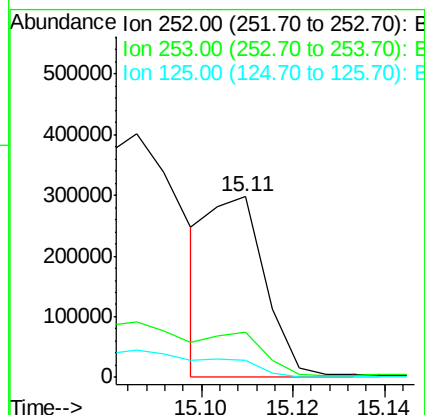
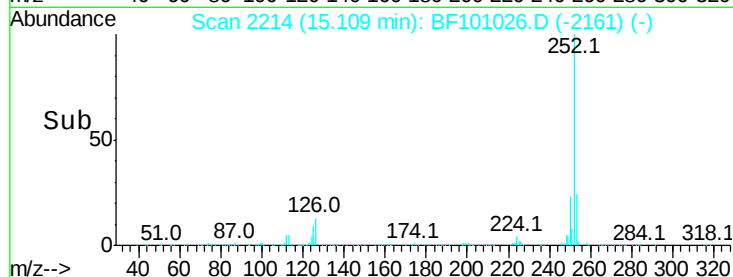
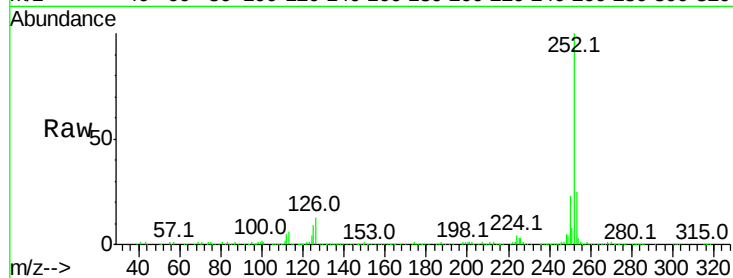
#88
Benzo(k)fluoranthene
Concen: 33.381 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	9.1	10.2	15.2

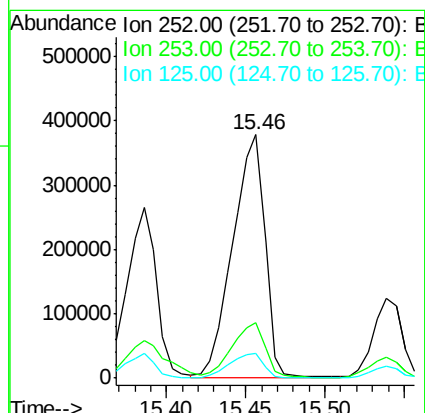
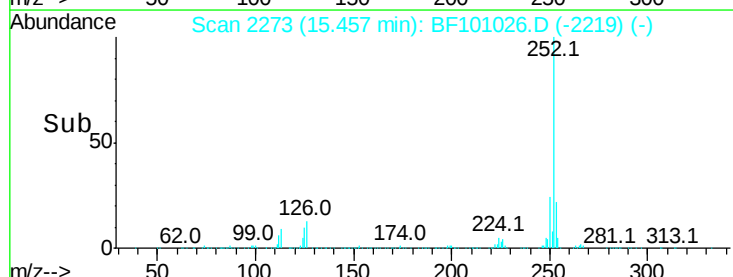
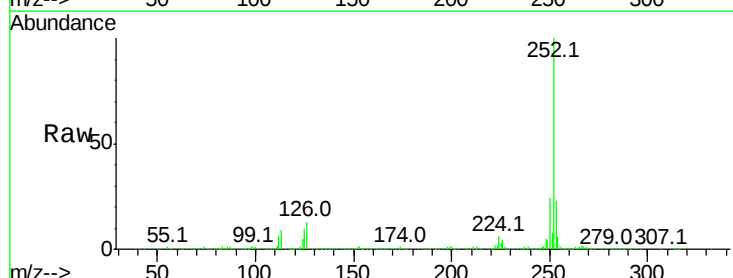
Manual Integrations
APPROVED

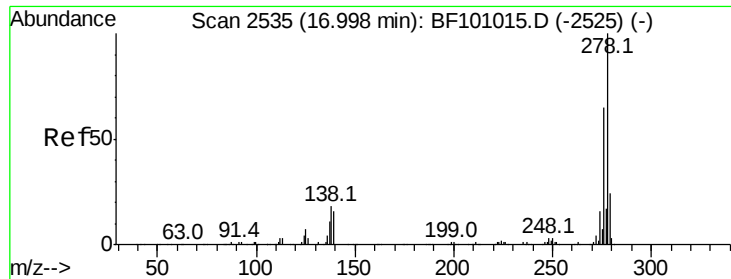
Sohil
12/1/2017 11:12:48 AM



#89
Benzo(a)pyrene
Concen: 75.968 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.4	9.8	14.6





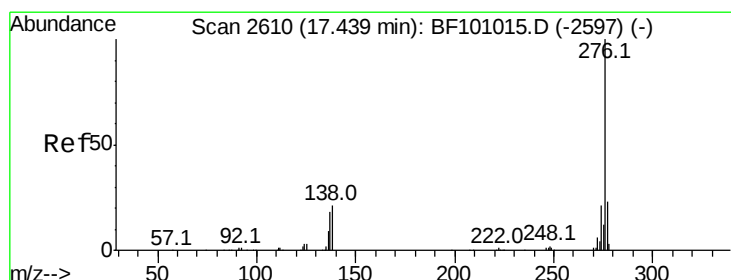
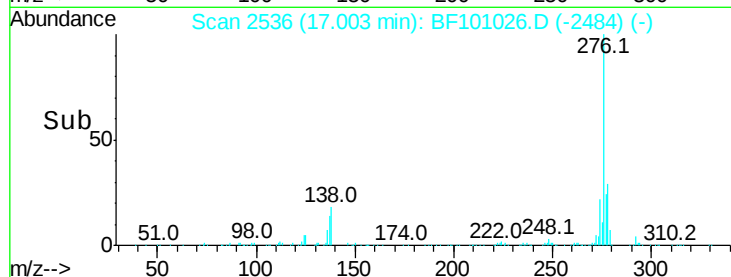
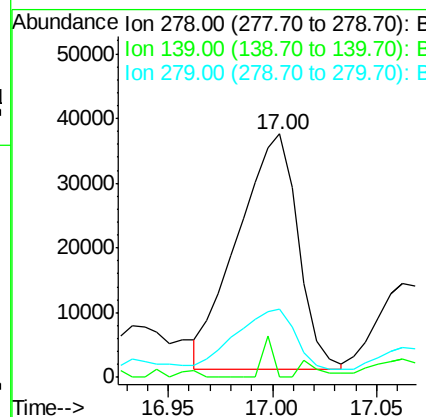
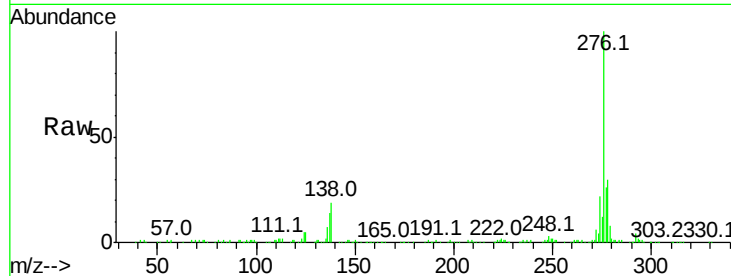
#90
Dibenzo(a,h)anthracene
Concen: 11.925 ng m
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.2	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/1/2017 11:12:48 AM



#91
Benzo(g,h,i)perylene
Concen: 41.702 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.01 min
Lab File: BF101026.D
Acq: 30 Nov 2017 19:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	20.2	21.8	32.8#

