

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107299.D
 Acq On : 11 Jul 2018 14:52
 Operator : JU/SJ
 Sample : J3933-10 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-10-E1

Manual Integrations
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Quant Time: Jul 12 03:26:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	57148	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	214411	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	90201	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	146254	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	183503	20.00	ng	0.01
86) Perylene-d12	15.78	264	199746	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	87534	25.94	ng	-0.03
7) Phenol-d6	6.58	99	110954	26.33	ng	-0.04
23) Nitrobenzene-d5	7.50	82	66441	17.22	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	21061	20.15	ng	-0.02
44) 2-Fluorobiphenyl	9.29	172	109804	7.08	ng	-0.03
78) Terphenyl-d14	13.06	244	100162	13.22	ng	-0.02
Target Compounds						
31) Naphthalene	8.24	128	24805	2.474	ng	97
49) Dimethylphthalate	9.68	163	25674	3.795	ng	# 99
51) Acenaphthene	10.01	154	11596	2.061	ng	98
70) Phenanthrene	11.50	178	171544	24.318	ng	98
71) Anthracene	11.55	178	36079	5.011	ng	98
72) Carbazole	11.71	167	13826	2.051	ng	96
74) Fluoranthene	12.70	202	298138	38.345	ng	95
77) Pyrene	12.94	202	288114	23.810	ng	100
80) Benzo(a)anthracene	14.17	228	195589	17.488	ng	99
82) Chrysene	14.21	228	179777	17.472	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	81640	9.350	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	254948m	20.547	ng	
88) Benzo(k)fluoranthene	15.34	252	79020m	6.687	ng	
89) Benzo(a)pyrene	15.71	252	179080m	16.235	ng	
90) Dibenzo(a,h)anthracene	17.38	278	24284m	2.598	ng	
91) Benzo(g,h,i)perylene	17.87	276	71843	7.863	ng	# 89

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

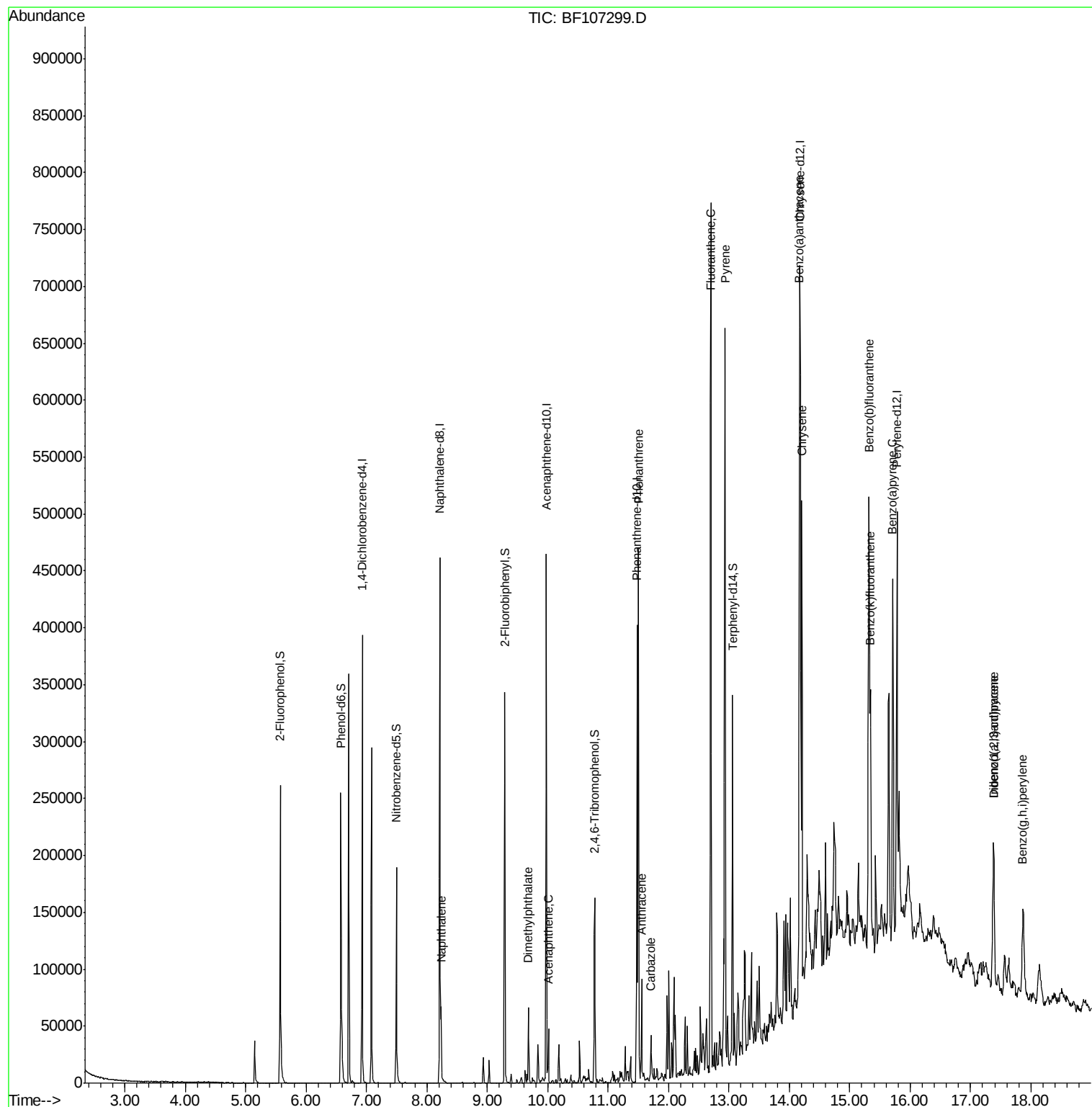
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107299.D
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Operator : JU/SJ
Sample : J3933-10 5X
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ALS Vial : 6 Sample Multiplier: 1

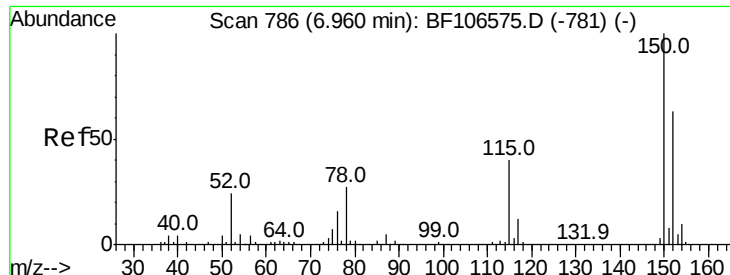
Instrument :
BNA_F
ClientSampled :
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#1

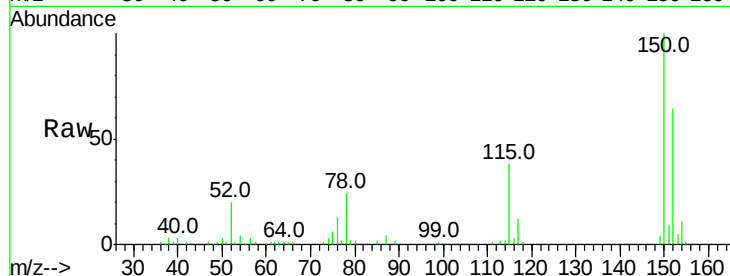
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
EP-10-E1

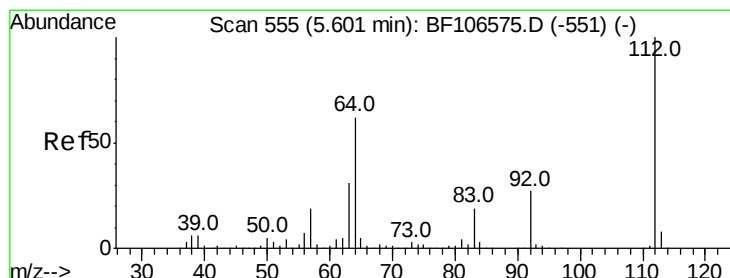
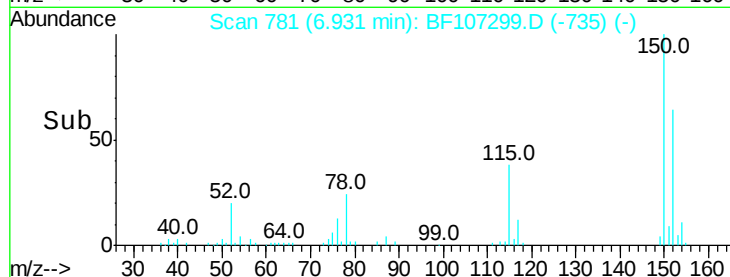
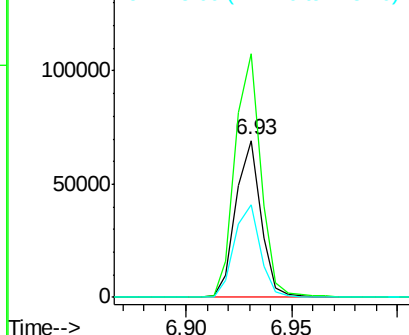
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	58.8	50.1	75.1

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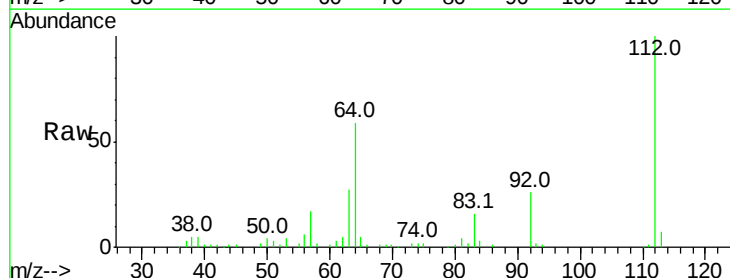
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



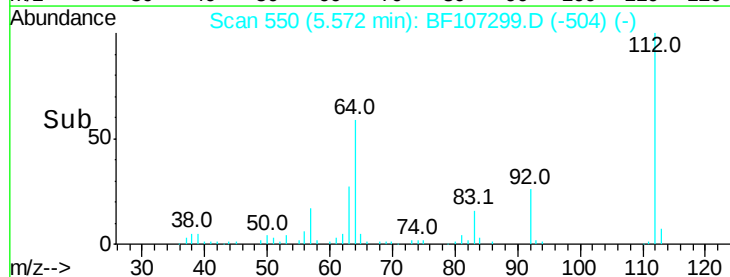
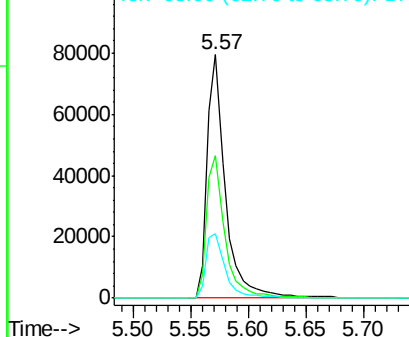
#5

2-Fluorophenol
Concen: 25.937 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	26.7	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: 26.326 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Instrument :

BNA_F

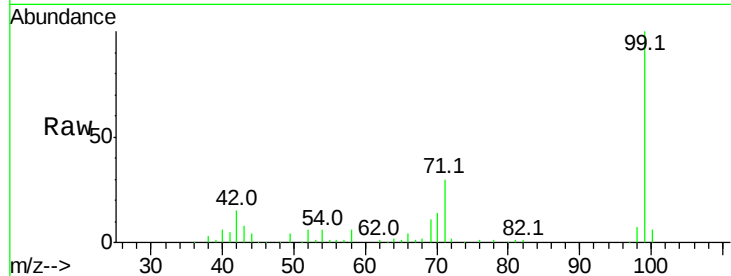
ClientSampled :

EP-10-E1

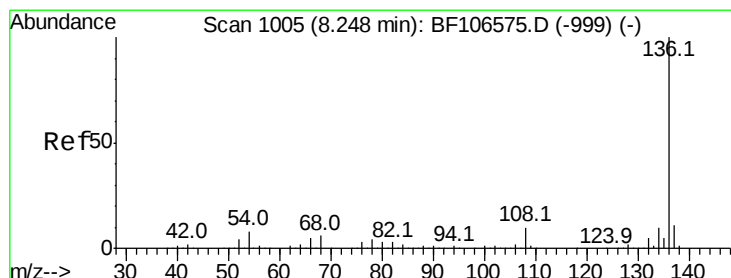
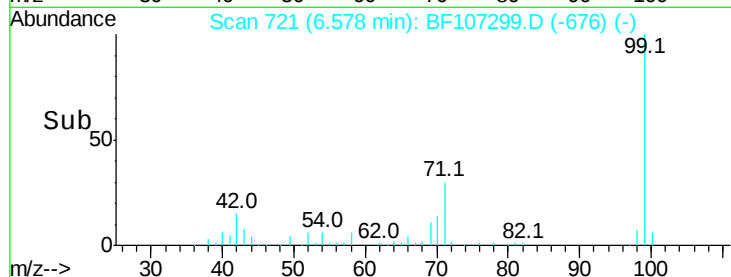
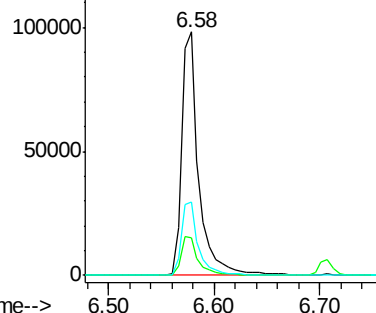
Tot Ion:	99	Resp:	110954
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	30.3	25.4	38.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 999

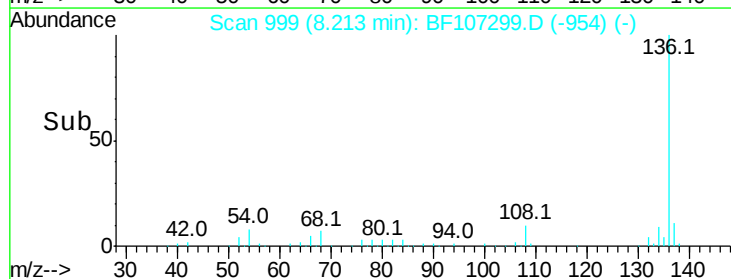
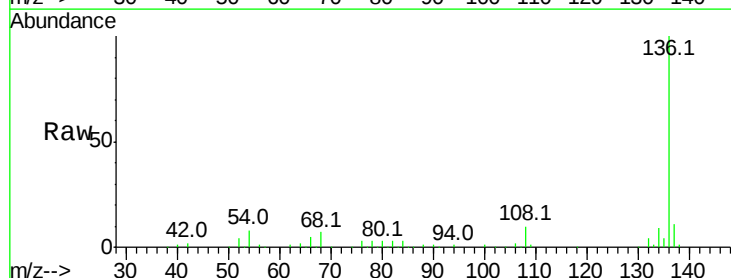
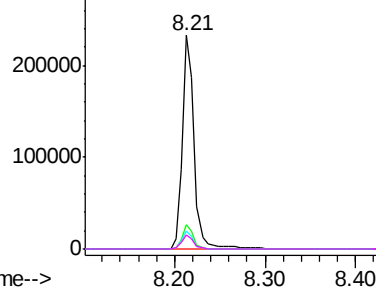
Delta R.T. -0.04 min

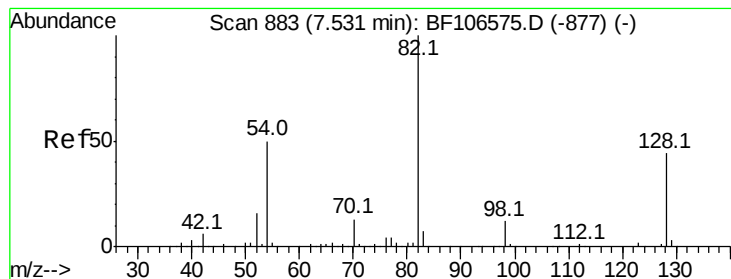
Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Tgt Ion:	136	Resp:	214411
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.3	6.6	9.8
68	6.6	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 17.221 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.04 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Instrument :

BNA_F

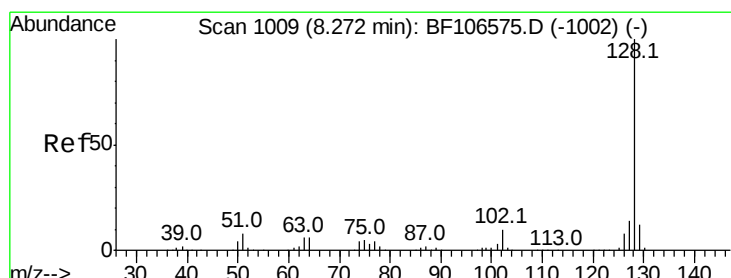
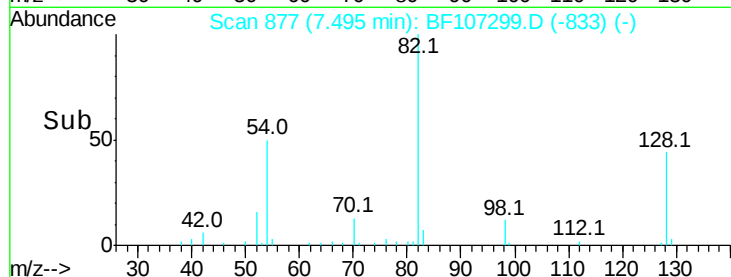
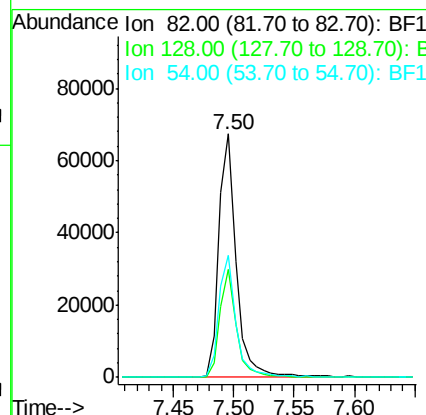
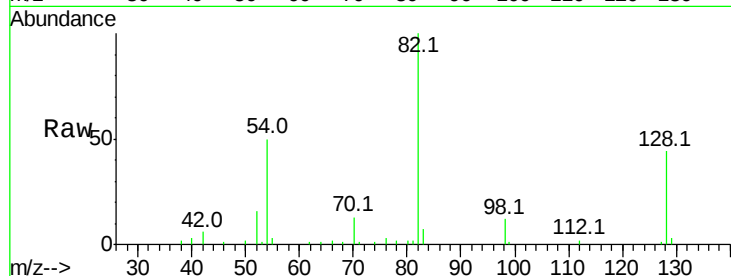
ClientSampled :

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Tot Ion:	82	Resp:	66441
Ion Ratio	Lower	Upper	
82	100		
128	44.3	36.1	54.1
54	49.9	41.4	62.2

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#31

Naphthalene

Concen: 2.474 ng

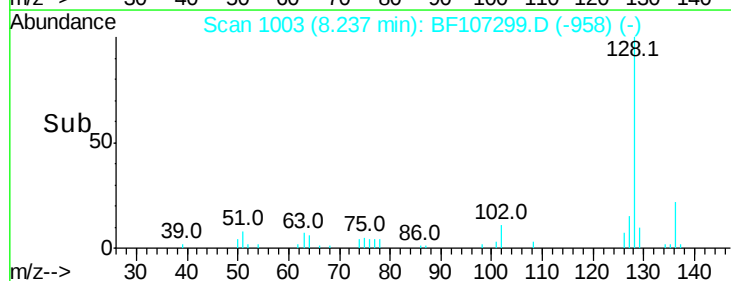
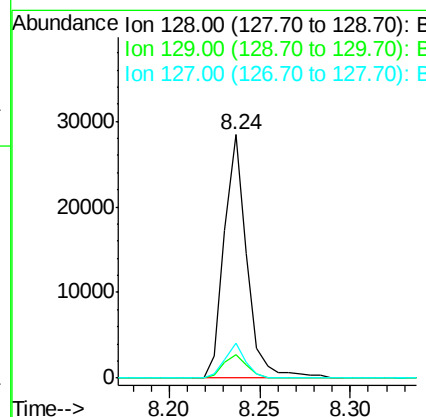
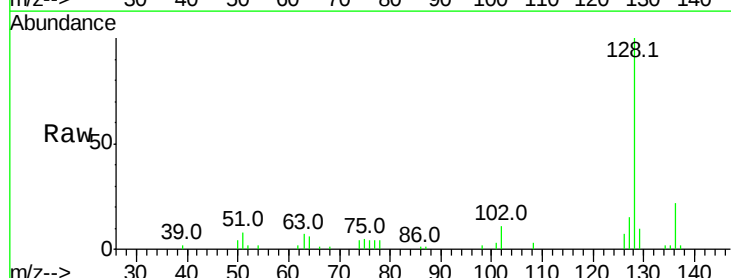
RT: 8.24 min Scan# 1003

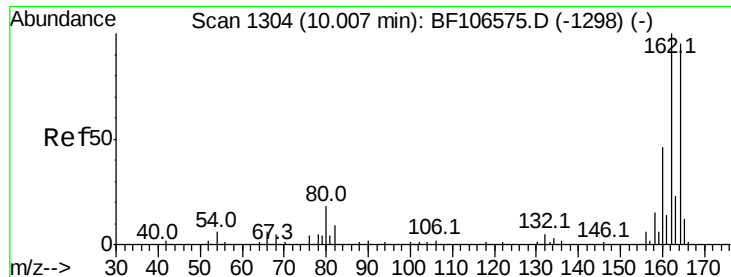
Delta R.T. -0.04 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Tgt Ion:	128	Resp:	24805
Ion Ratio	Lower	Upper	
128	100		
129	9.8	8.8	13.2
127	14.5	10.9	16.3





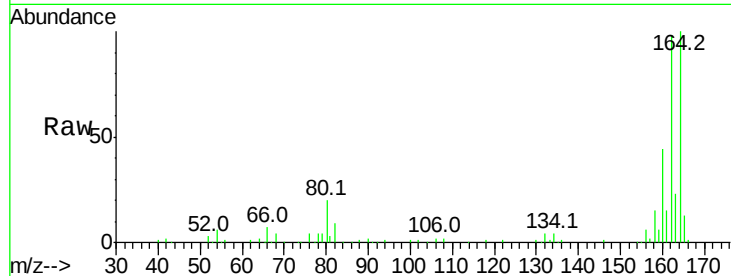
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.03 min
 Lab File: BF107299.D
 Acq: 11 Jul 2018 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-10-E1

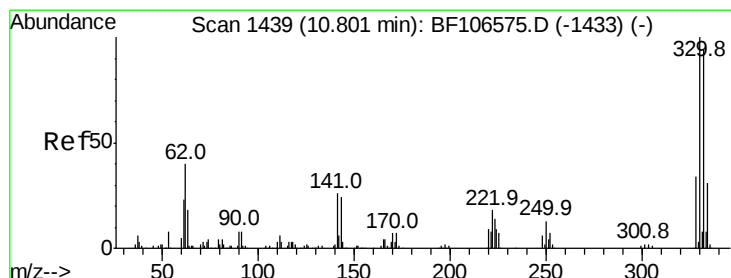
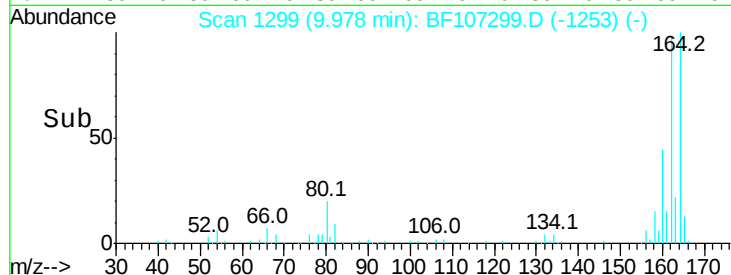
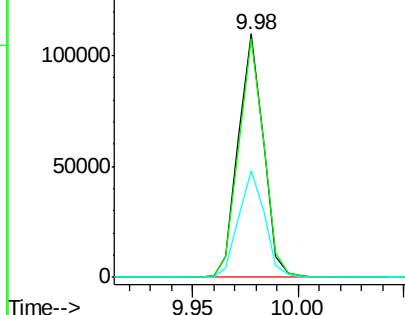
Tot Ion	Ratio	Resp	Lower	Upper
164	100	90201		
162	98.0		86.1	129.1
160	43.9		38.3	57.5

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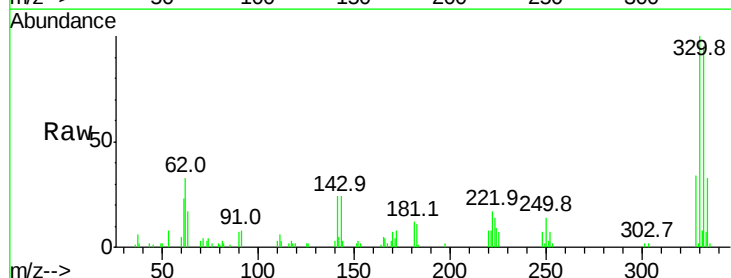


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

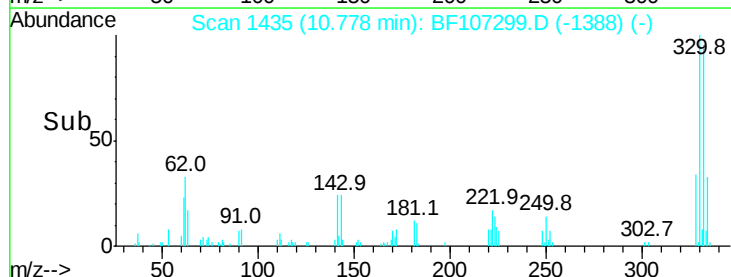
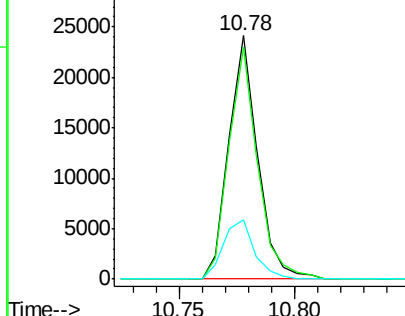


#41
 2,4,6-Tribromophenol
 Concen: 20.145 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107299.D
 Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	21061		
332	95.0		77.0	115.6
141	26.0		29.9	44.9#



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





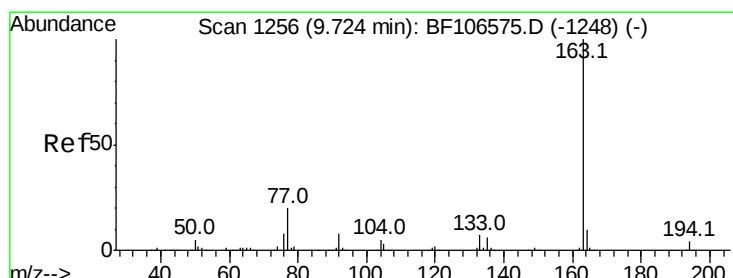
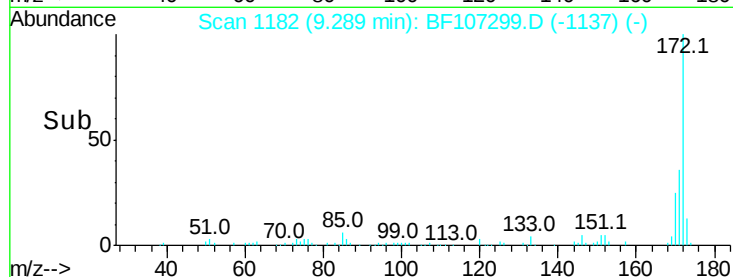
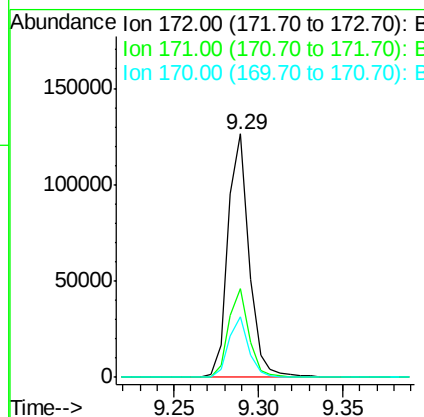
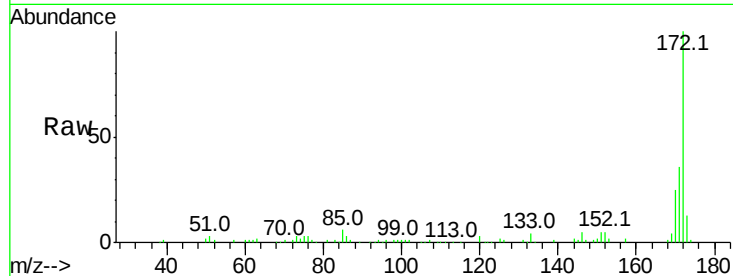
#44
2-Fluorobiphenyl
Concen: 7.083 ng
RT: 9.29 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
EP-10-E1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	109804		
171	36.3		29.7	44.5
170	24.7		19.6	29.4

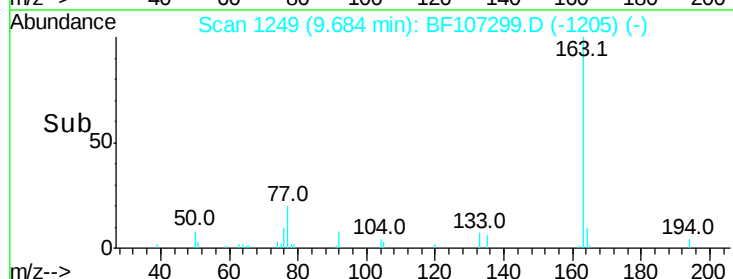
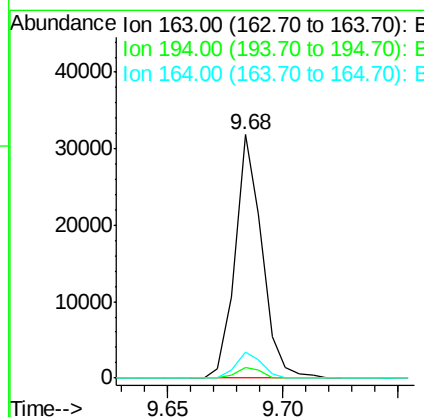
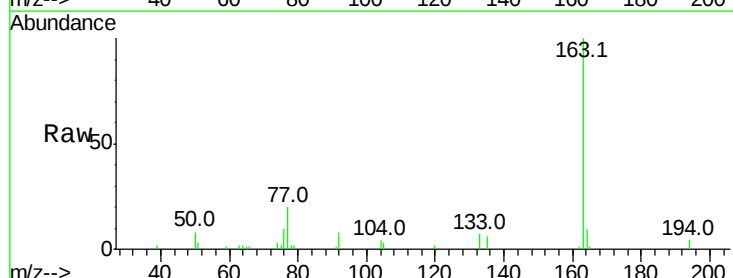
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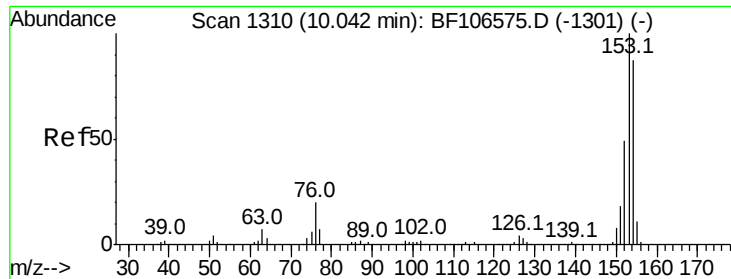
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#49
Dimethylphthalate
Concen: 3.795 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	25674		
194	4.5		2.7	4.1#
164	10.4		8.2	12.2





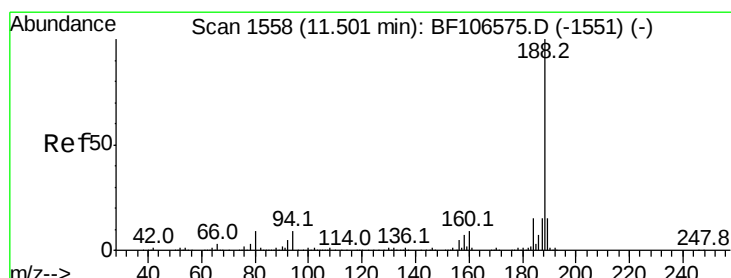
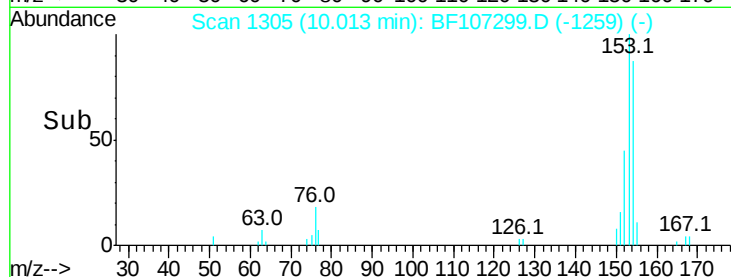
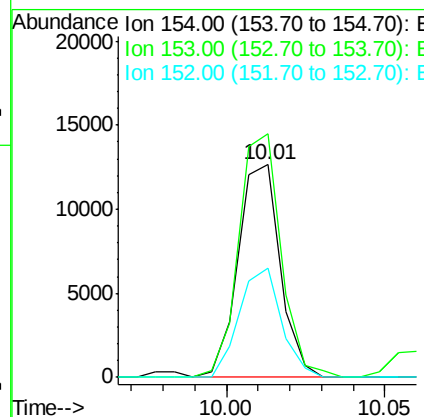
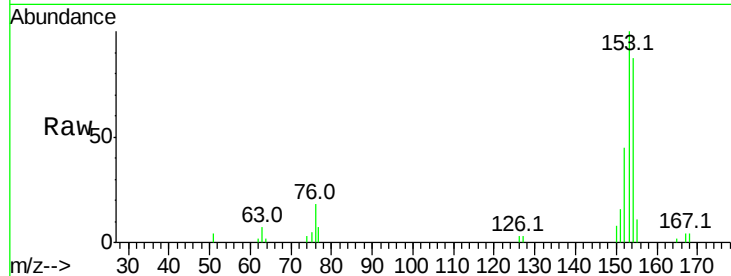
#51
Acenaphthene
Concen: 2.061 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.03 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
EP-10-E1

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	51.6	43.8	65.8

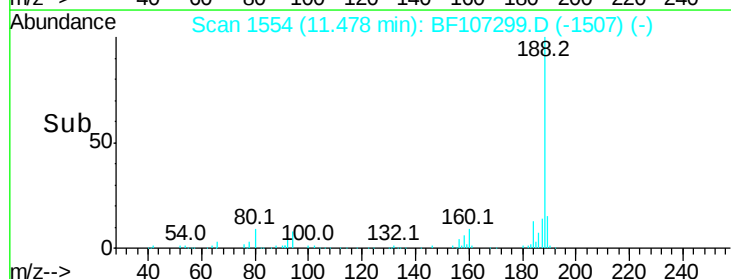
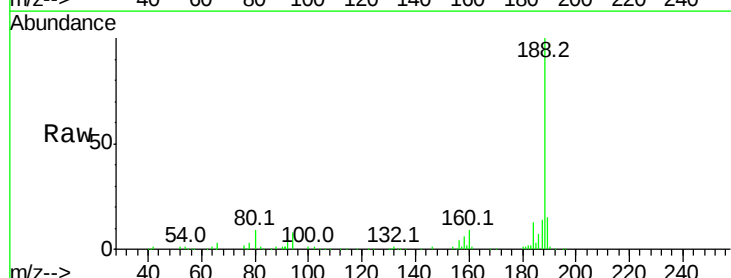
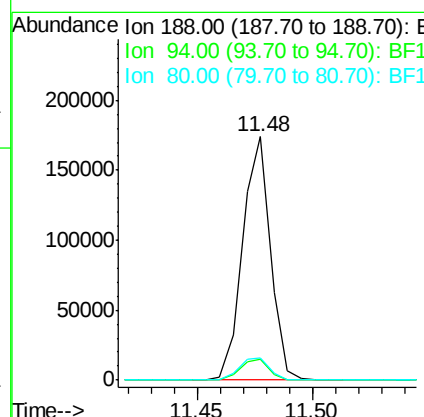
Manual Integrations
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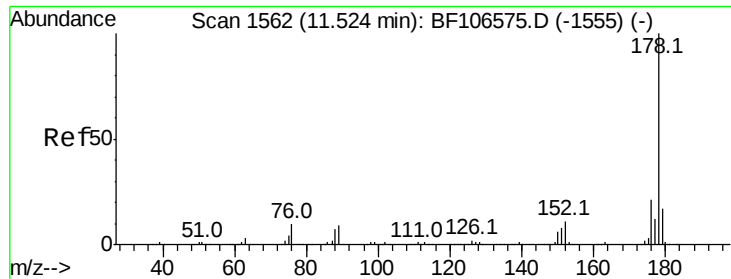
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.1	9.2	13.8#





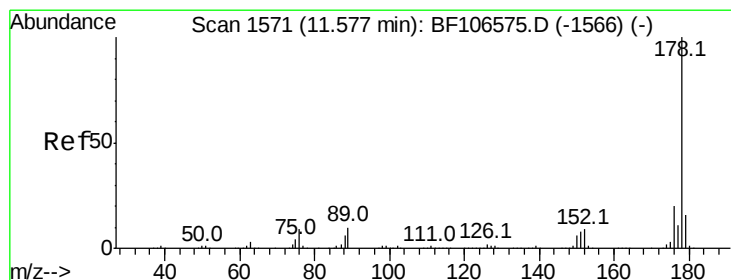
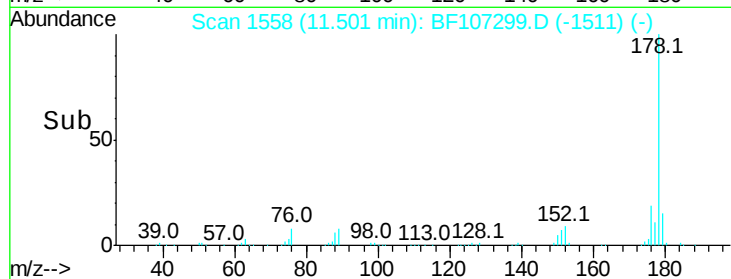
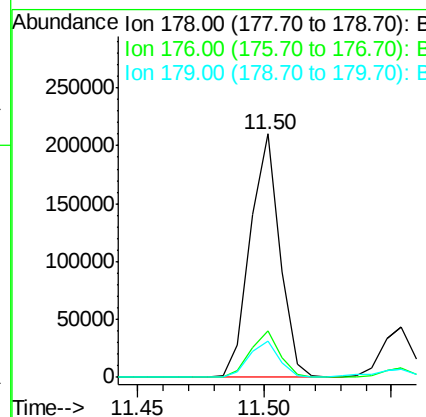
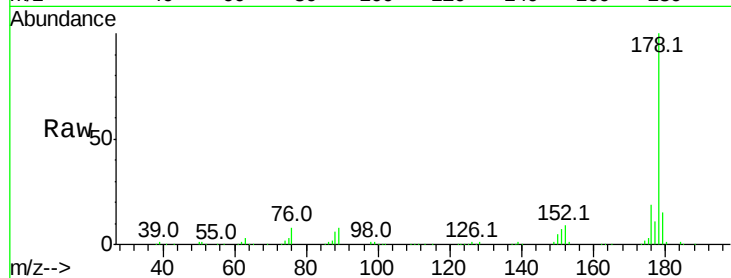
#70
Phenanthrene
Concen: 24.318 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Instrument :
BNA_F
ClientSampled :
EP-10-E1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.9	13.0	19.6

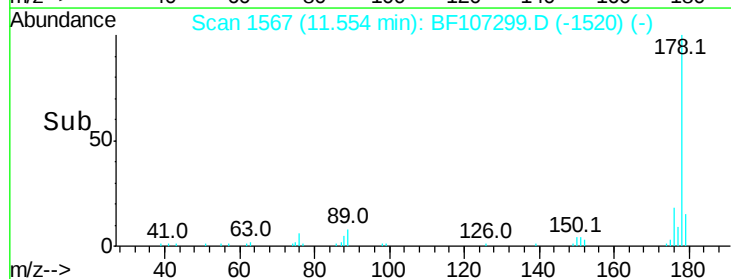
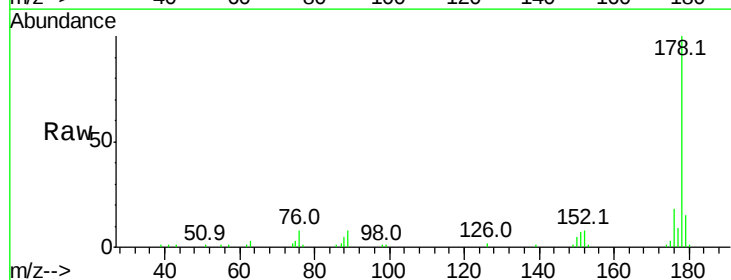
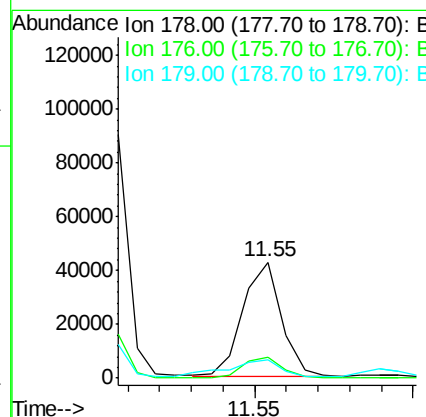
Manual Integrations
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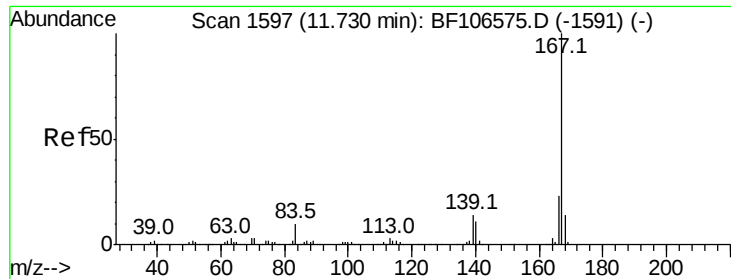
Sohil
7/12/2018 2:19:16 PM



#71
Anthracene
Concen: 5.011 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.5	12.6	19.0





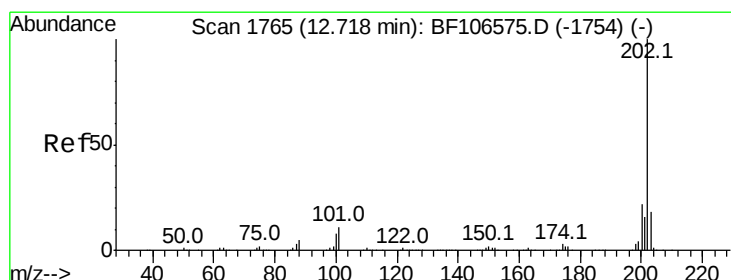
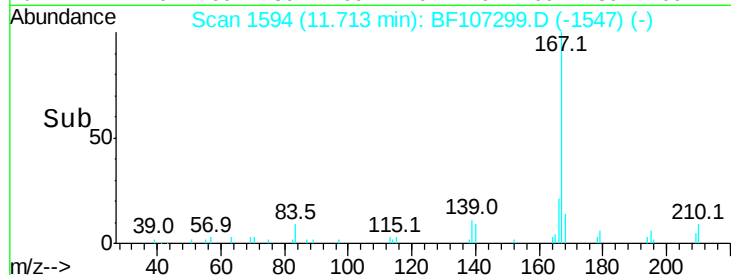
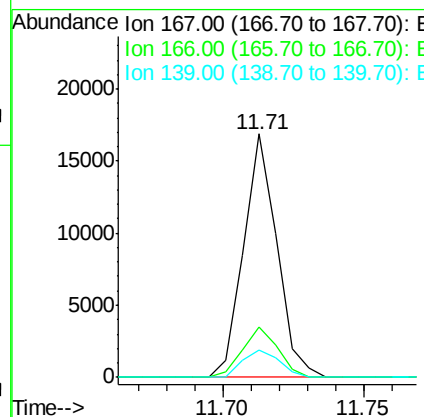
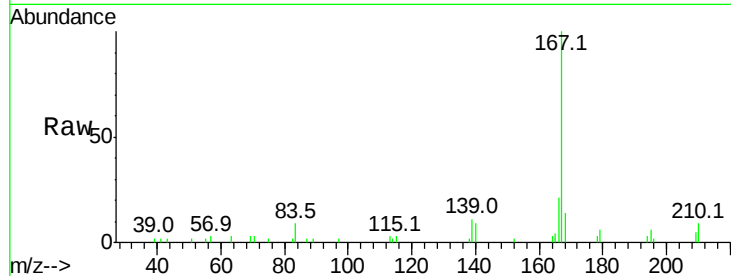
#72
 Carbazole
 Concen: 2.051 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF107299.D
 Acq: 11 Jul 2018 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-10-E1

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.6	26.4
139	11.0	10.9	16.3

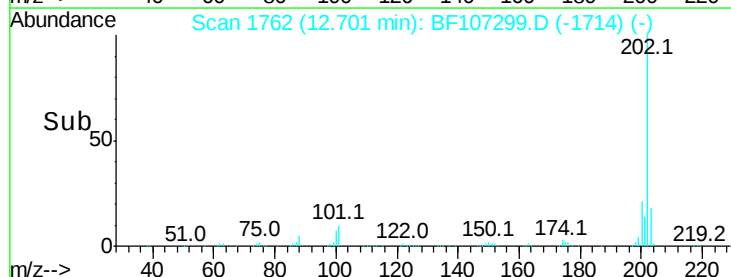
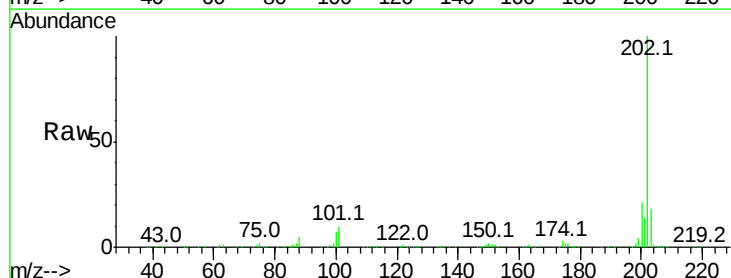
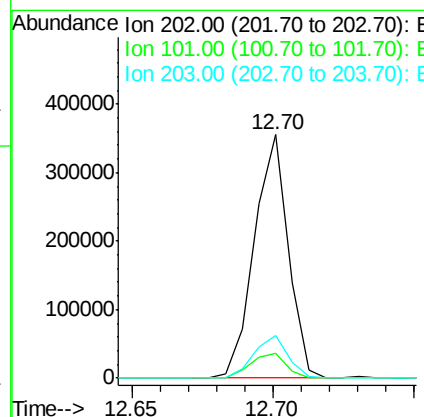
Manual Integrations
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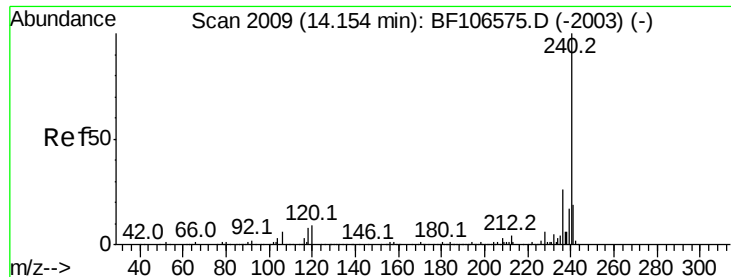
Sohil
 7/12/2018 2:19:16 PM



#74
 Fluoranthene
 Concen: 38.345 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107299.D
 Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Instrument :

BNA_F

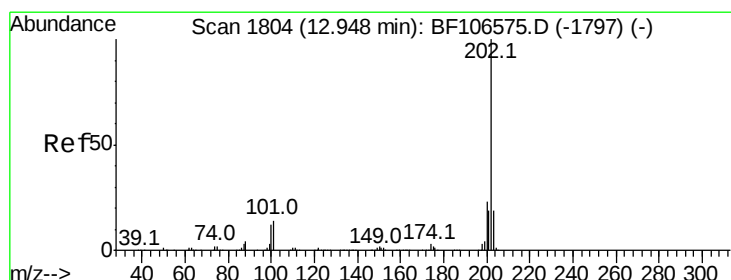
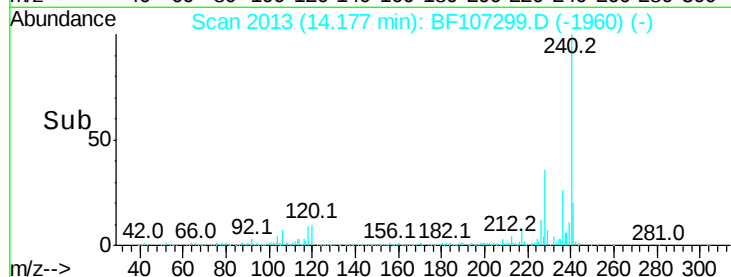
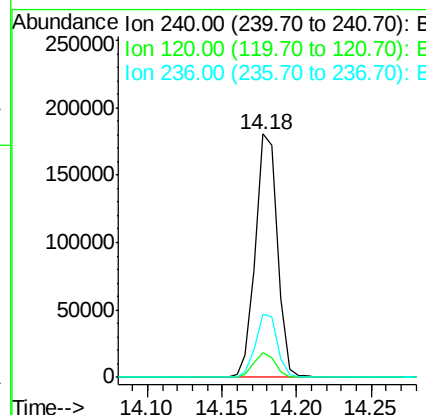
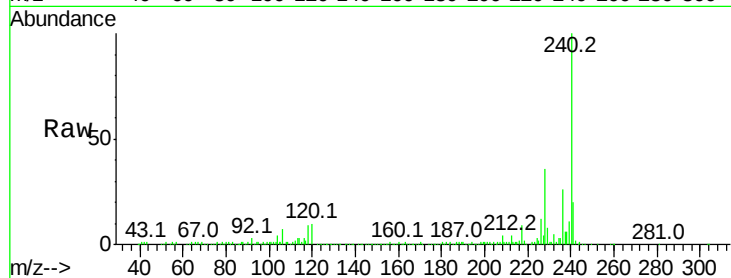
ClientSampleId :

EP-10-E1

Tot Ion:	240	Resp:	183503
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	25.9	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 23.810 ng

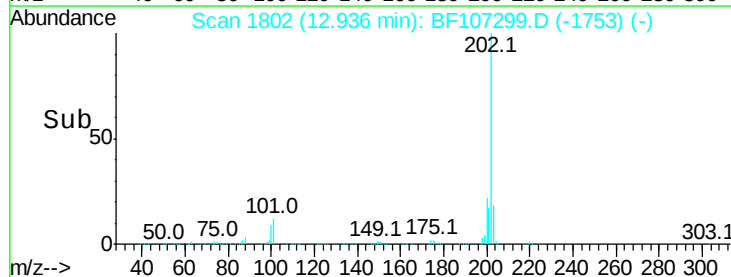
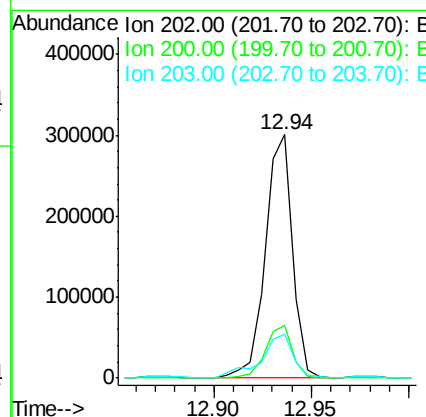
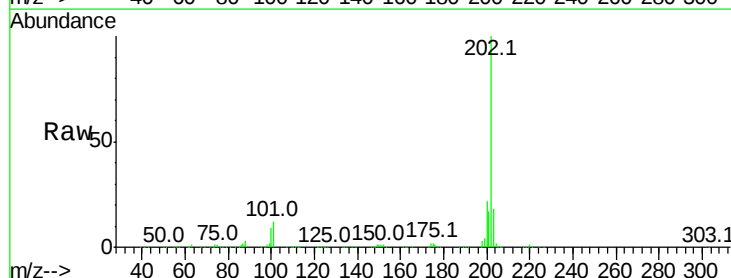
RT: 12.94 min Scan# 1802

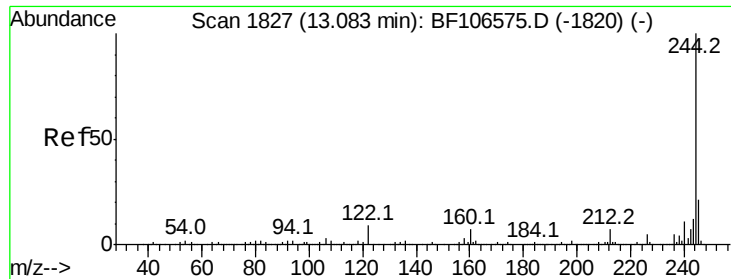
Delta R.T. -0.01 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Tgt Ion:	202	Resp:	288114
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.8	14.3	21.5





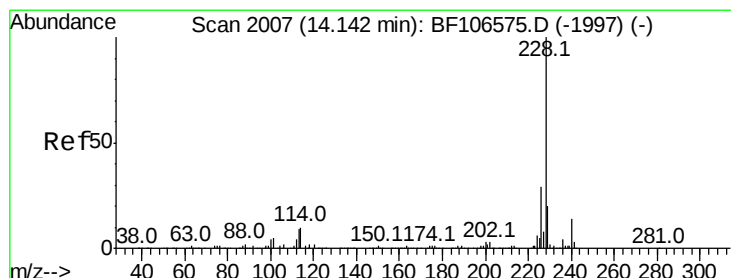
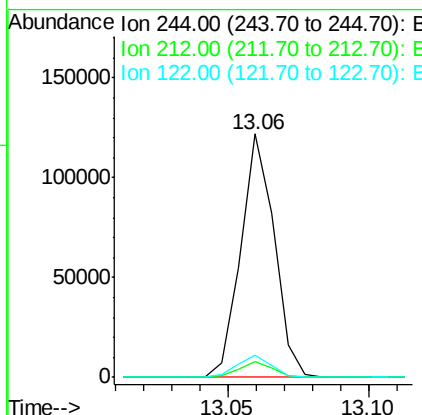
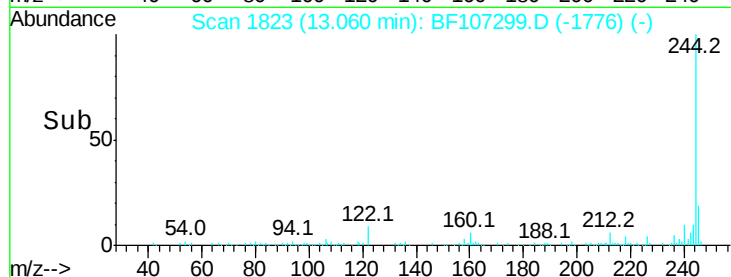
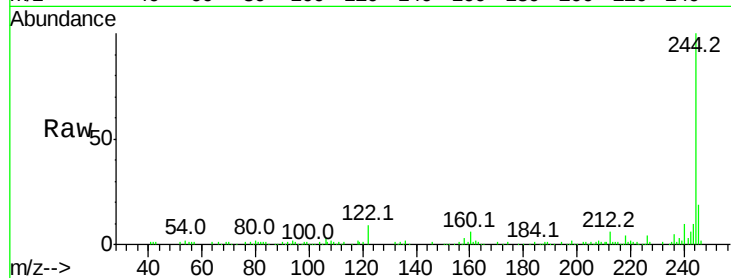
#78
 Terphenyl-d14
 Concen: 13.222 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107299.D
 Acq: 11 Jul 2018 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-10-E1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.1	11.0	16.4

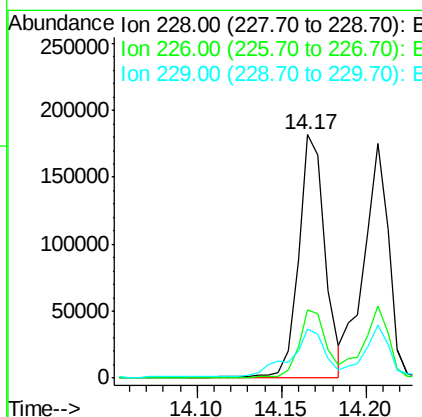
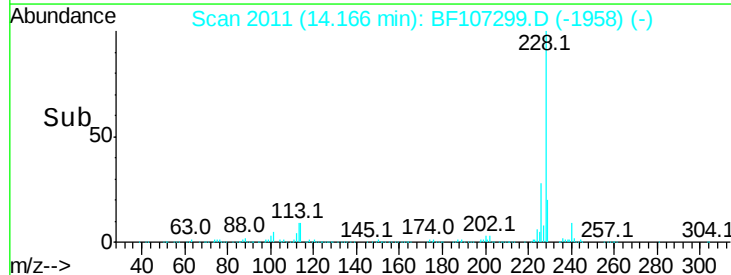
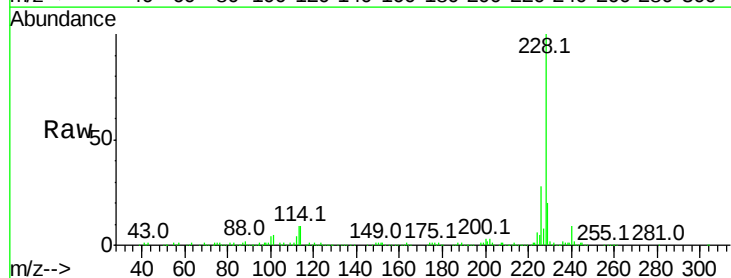
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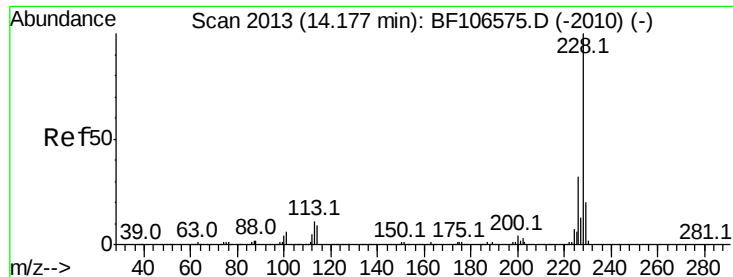
Sohil
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#80
 Benzo(a)anthracene
 Concen: 17.488 ng
 RT: 14.17 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BF107299.D
 Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 17.472 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Instrument :

BNA_F

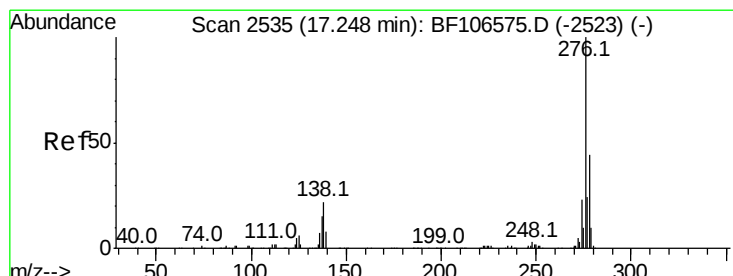
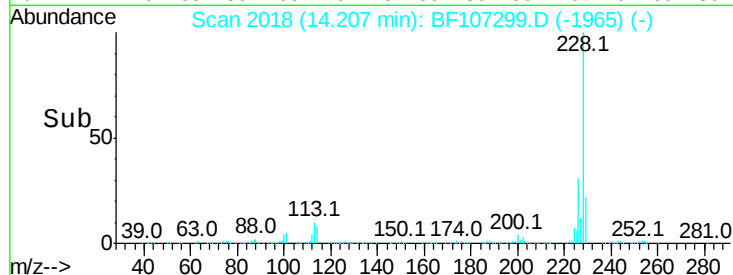
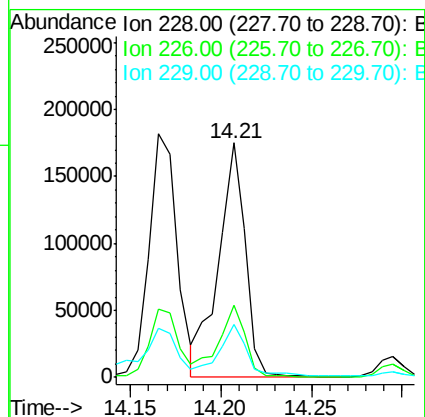
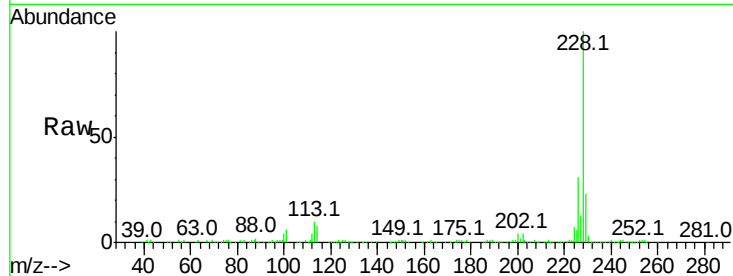
ClientSampled :

EP-10-E1

Tot Ion:	228	Resp:	179777
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.350 ng

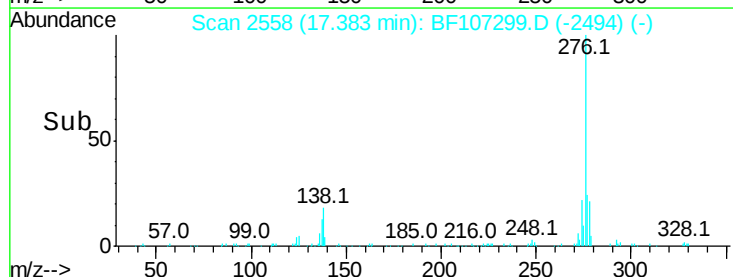
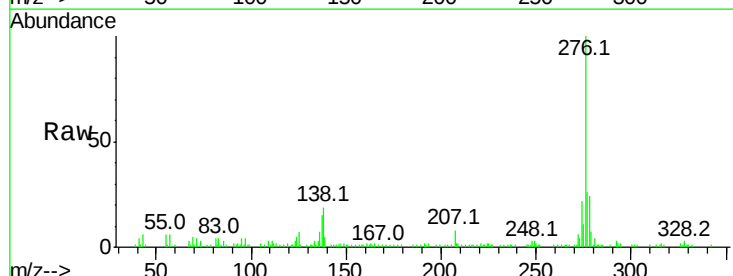
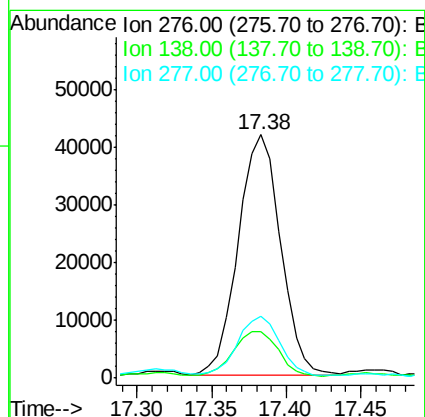
RT: 17.38 min Scan# 2558

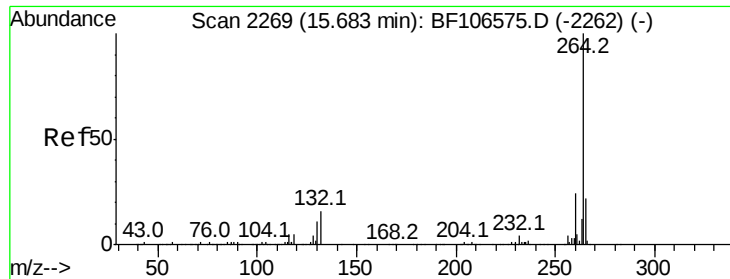
Delta R.T. 0.08 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Tgt Ion:	276	Resp:	81640
Ion Ratio	Lower	Upper	
276	100		
138	19.4	25.0	37.6#
277	24.7	20.1	30.1





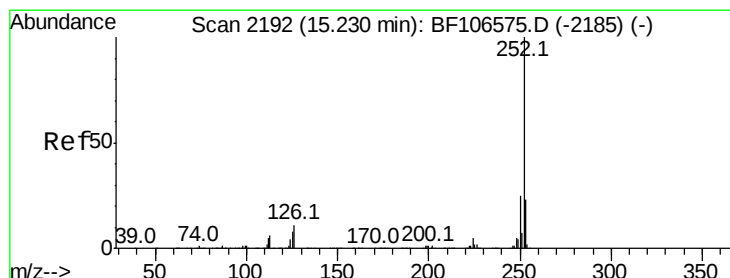
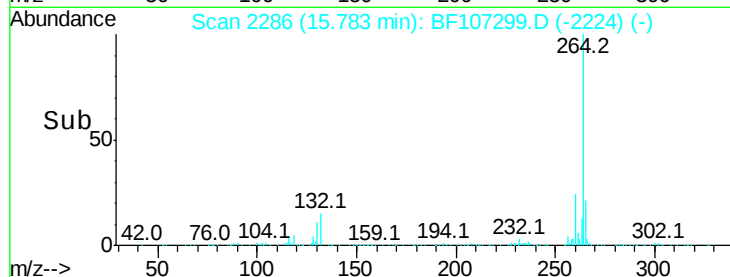
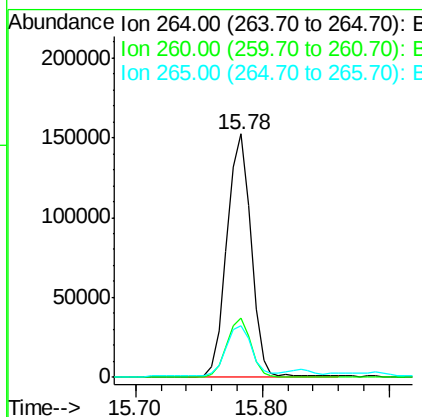
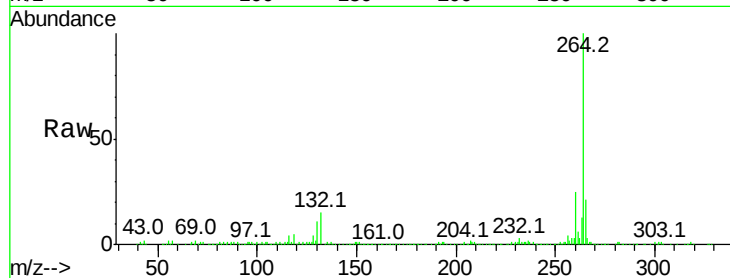
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2286
Delta R.T. 0.06 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
EP-10-E1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.4	17.5	26.3

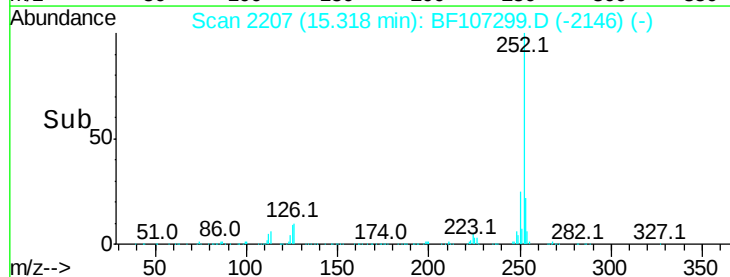
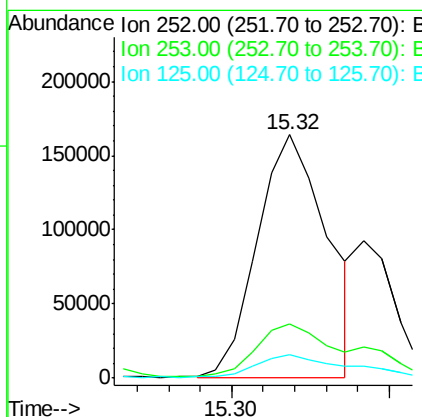
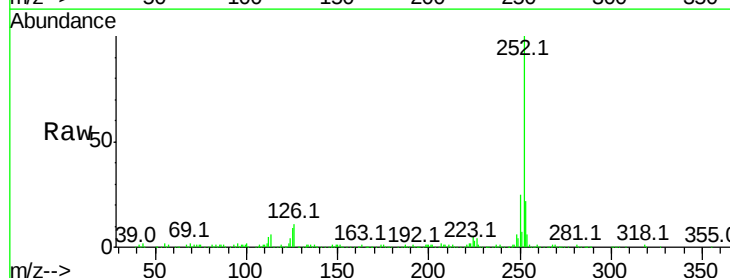
Manual Integrations
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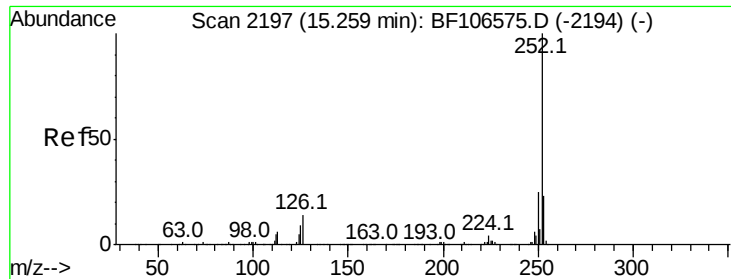
Sohil
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#87
Benzo(b)fluoranthene
Concen: 20.547 ng m
RT: 15.32 min Scan# 2207
Delta R.T. 0.06 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.5	9.0	13.6





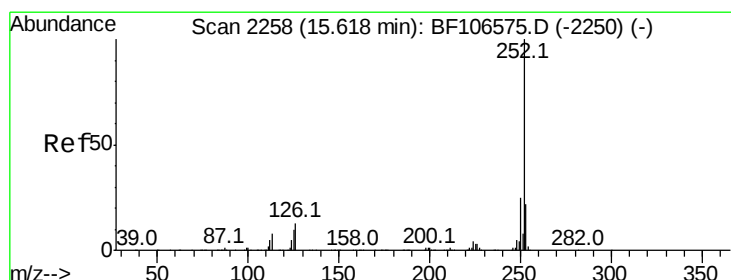
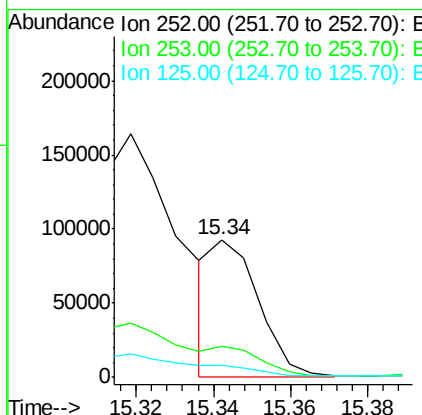
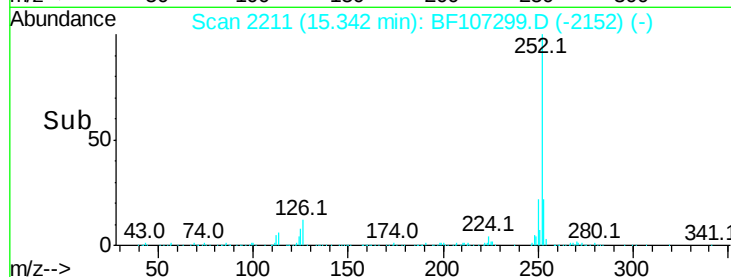
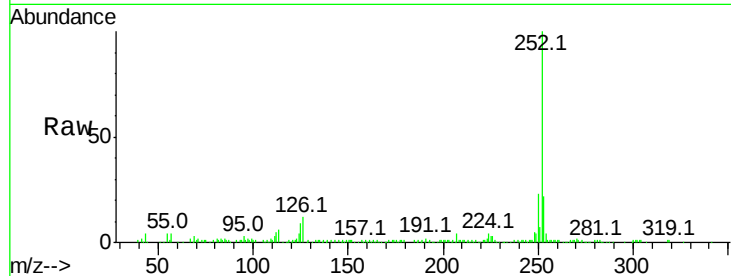
#88
Benzo(k)fluoranthene
Concen: 6.687 ng m
RT: 15.34 min Scan# 2211
Delta R.T. 0.05 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Instrument :
BNA_F
ClientSampled :
EP-10-E1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	9.1	10.2	15.2

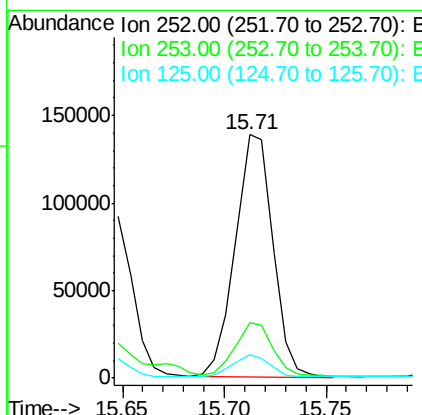
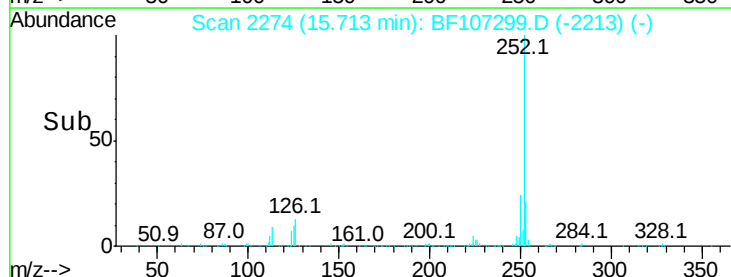
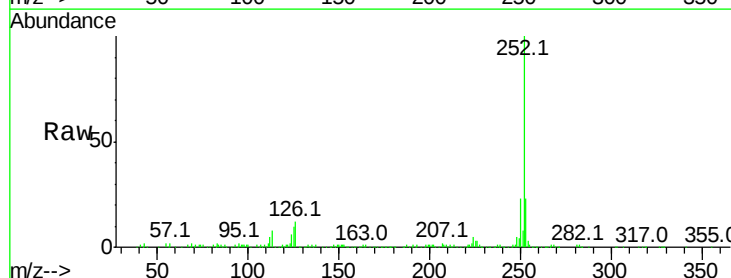
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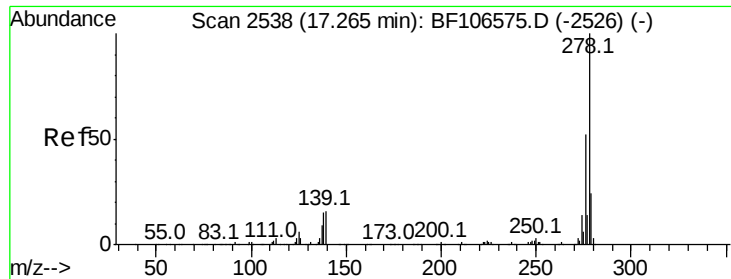
Sohil
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#89
Benzo(a)pyrene
Concen: 16.235 ng m
RT: 15.71 min Scan# 2274
Delta R.T. 0.06 min
Lab File: BF107299.D
Acq: 11 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	9.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.598 ng/mL

RT: 17.38 min Scan# 2558

Delta R.T. 0.06 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Instrument :

BNA_F

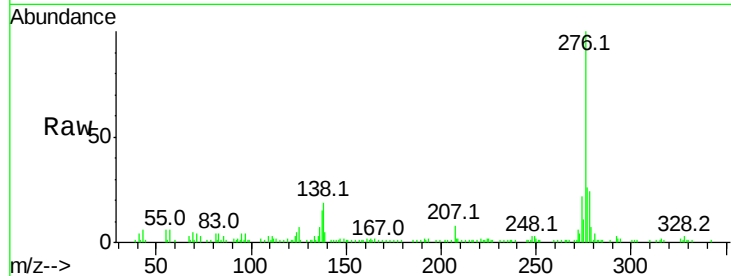
ClientSampleId :

EP-10-E1

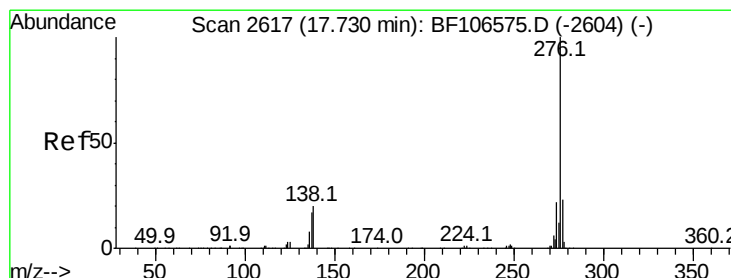
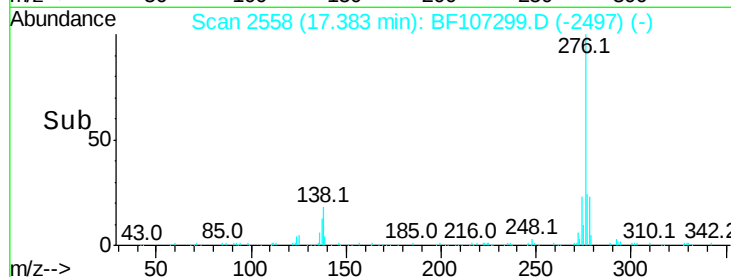
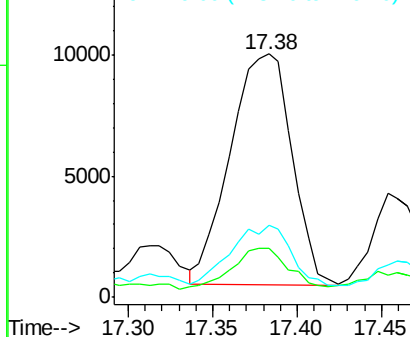
Tot Ion:	278	Resp:	24284
Ion Ratio	Lower	Upper	
278	100		
139	20.0	15.9	23.9
279	29.8	19.0	28.4#

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.863 ng/mL

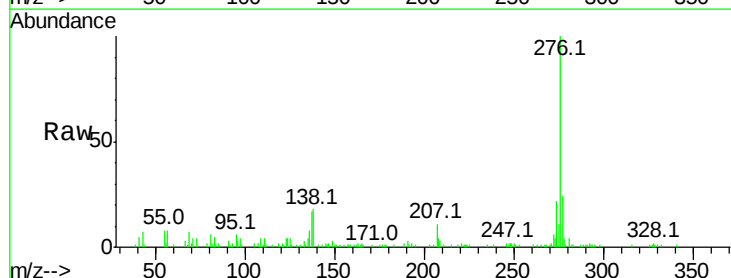
RT: 17.87 min Scan# 2641

Delta R.T. 0.08 min

Lab File: BF107299.D

Acq: 11 Jul 2018 14:52

Tgt Ion:	276	Resp:	71843
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	17.7	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

