

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104989.D
 Acq On : 1 May 2018 17:41
 Operator : JU/SJ
 Sample : J2565-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4 0.0-0.5

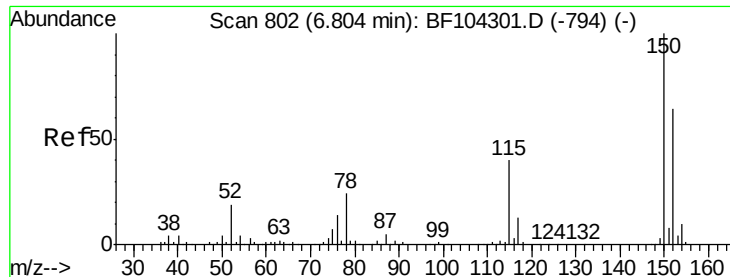
Manual Integrations
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Quant Time: May 02 11:51:33 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	120799	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	502561	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	225559	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	373665	20.00	ng	0.00
75) Chrysene-d12	14.03	240	237314	20.00	ng	0.05
86) Perylene-d12	15.59	264	226331	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	634554	80.32	ng	0.00
7) Phenol-d6	6.43	99	800314	82.45	ng	0.00
23) Nitrobenzene-d5	7.36	82	493890	64.17	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	198590	84.88	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	884786	61.97	ng	0.00
78) Terphenyl-d14	12.92	244	681349	65.46	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	122745	6.901	ng	99
51) Acenaphthene	9.86	154	35722	2.493	ng	99
57) Fluorene	10.38	166	38815	2.671	ng	99
70) Phenanthrene	11.35	178	618745	29.734	ng	99
71) Anthracene	11.40	178	144849	6.848	ng	98
72) Carbazole	11.56	167	65977	3.192	ng	98
74) Fluoranthene	12.54	202	843005	38.774	ng	98
77) Pyrene	12.77	202	730600	41.534	ng	100
80) Benzo(a)anthracene	14.02	228	385628	27.200	ng	98
82) Chrysene	14.05	228	370029m	25.410	ng	
85) Indeno(1,2,3-cd)pyrene	17.06	276	195334m	15.790	ng	
87) Benzo(b)fluoranthene	15.15	252	455352m	31.855	ng	
88) Benzo(k)fluoranthene	15.17	252	156411m	11.590	ng	
89) Benzo(a)pyrene	15.46	252	220404m	17.232	ng	
90) Dibenzo(a,h)anthracene	17.07	278	60454m	5.755	ng	
91) Benzo(g,h,i)perylene	17.52	276	172462	16.946	ng	# 92

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



#1

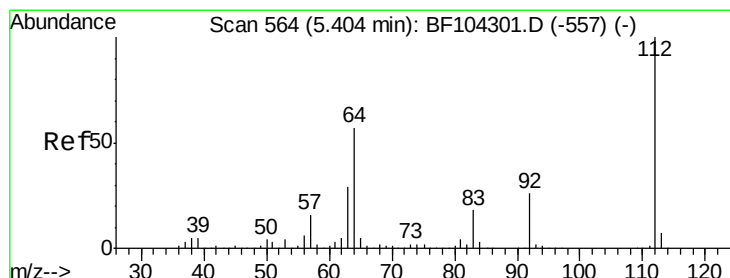
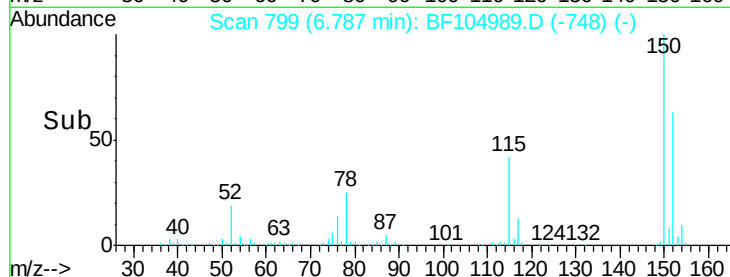
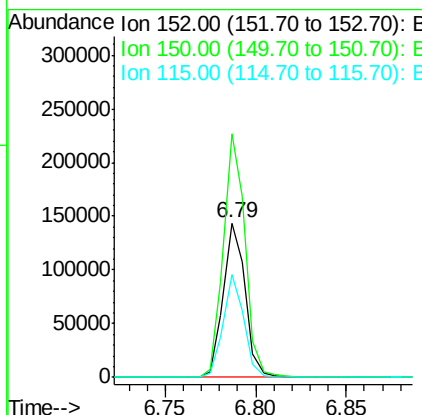
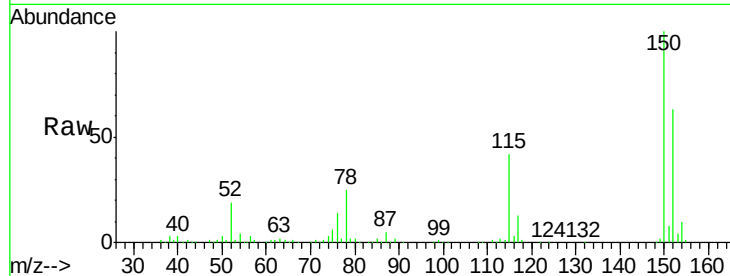
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4 0.0-0.5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	120799		
150	158.1	124.6	186.8	
115	66.9	50.1	75.1	

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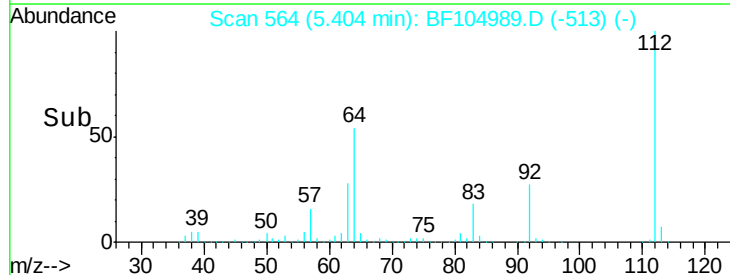
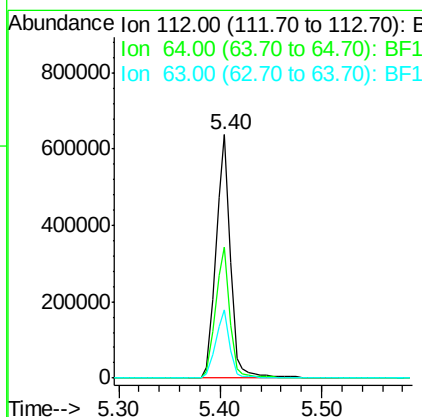
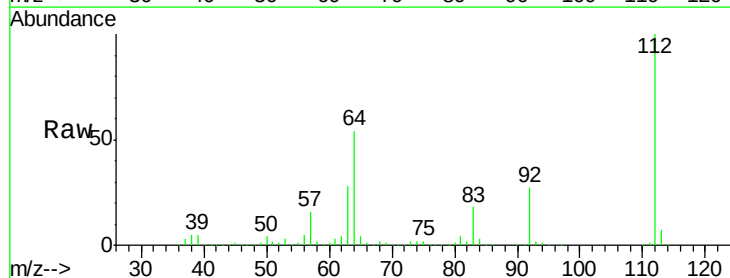
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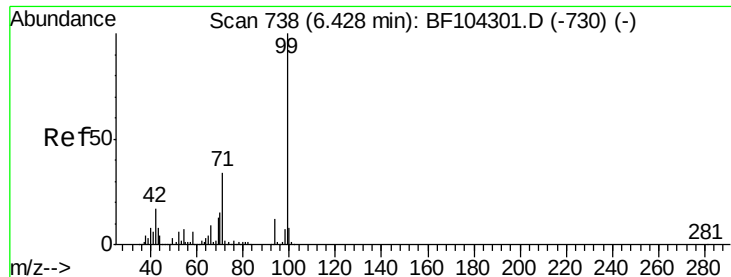


#5

2-Fluorophenol
Concen: 80.321 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	634554		
64	53.9	47.9	71.9	
63	27.9	23.7	35.5	





#7

Phenol-d6

Concen: 82.449 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

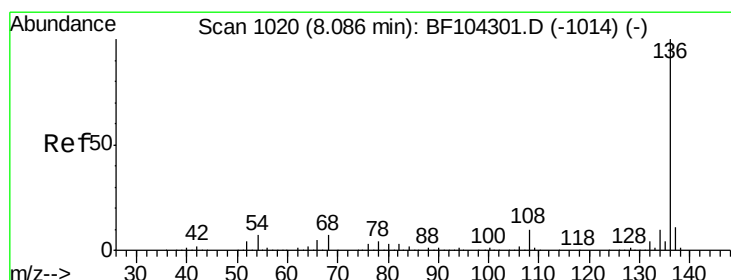
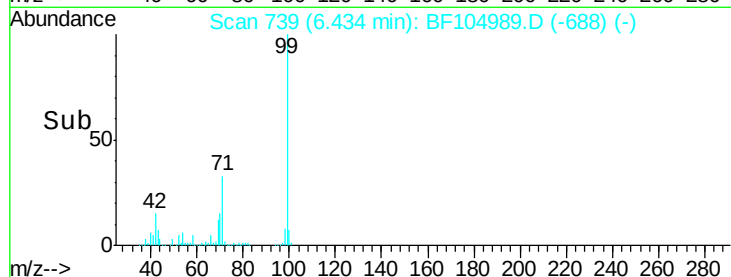
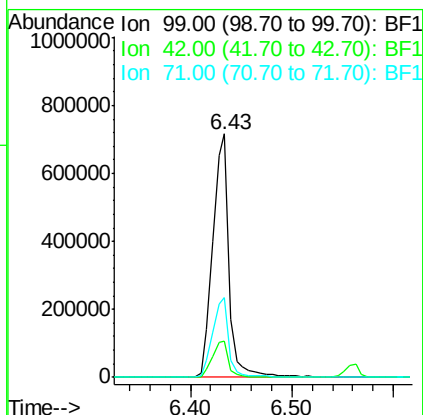
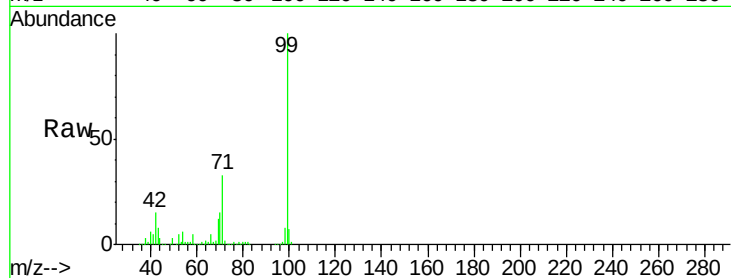
ClientSampled :

TP-4 0.0-0.5

Tgt Ion:	99	Resp:	800314
Ion Ratio	Lower	Upper	
99	100		
42	14.7	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

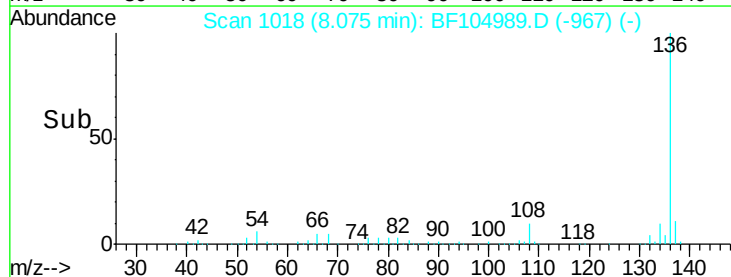
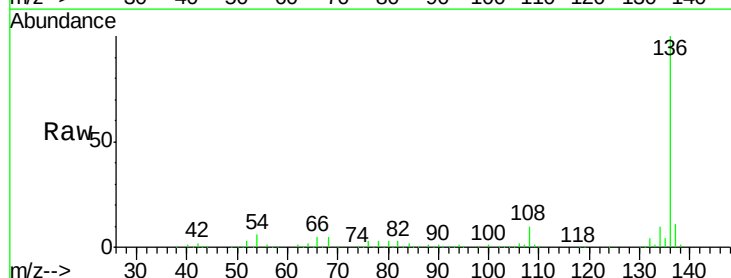
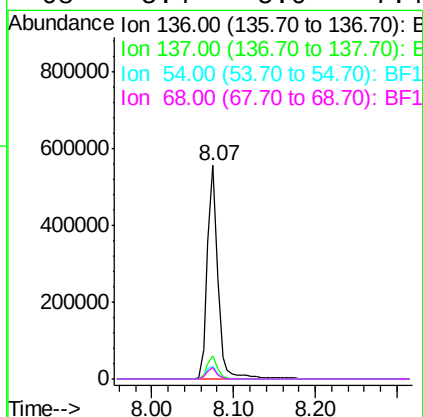
RT: 8.07 min Scan# 1018

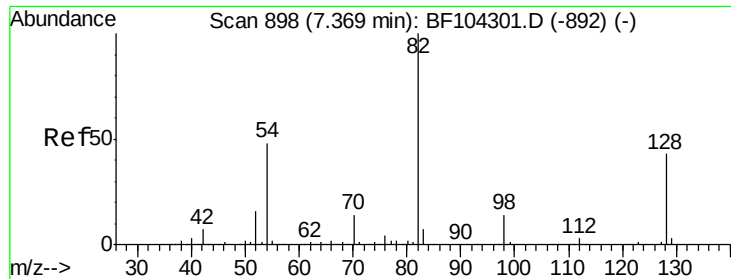
Delta R.T. -0.00 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Tgt Ion:	136	Resp:	502561
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	6.2	6.6	9.8#
68	5.4	5.0	7.4





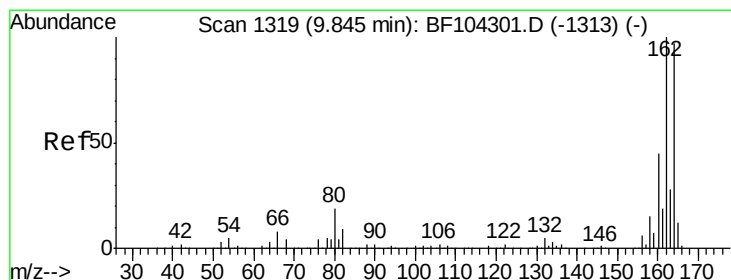
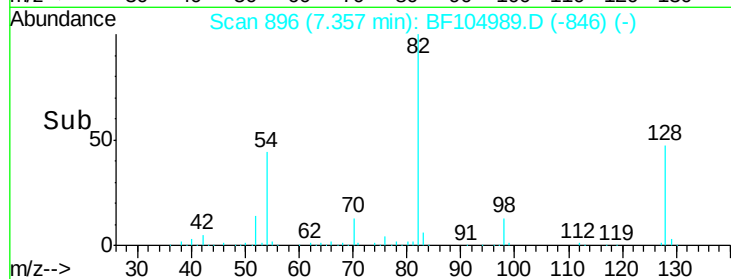
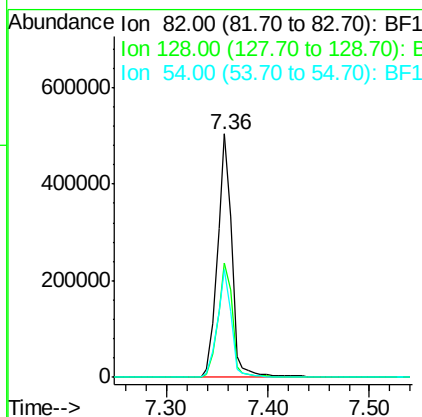
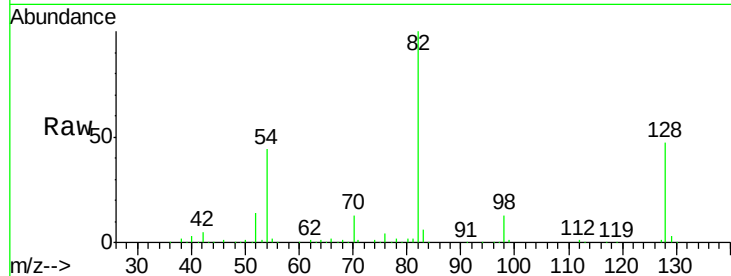
#23
 Nitrobenzene-d5
 Concen: 64.171 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF104989.D
 Acq: 1 May 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-4 0.0-0.5

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	493890		
128	46.8	36.1	54.1	
54	44.1	41.4	62.2	

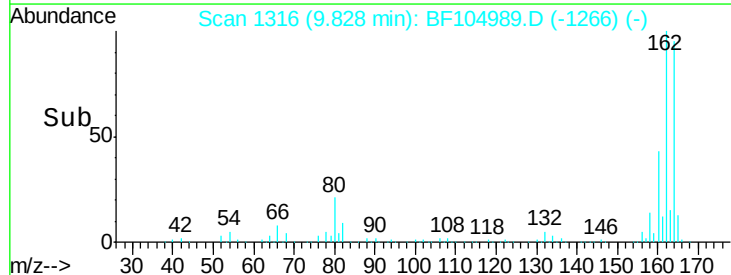
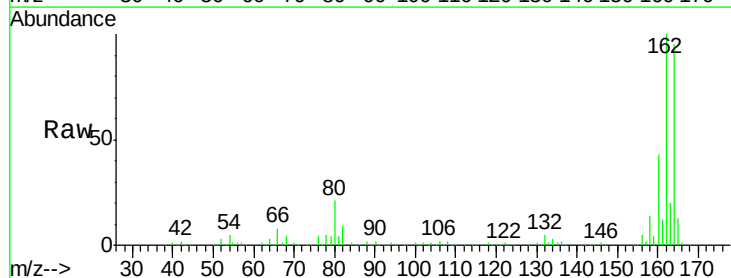
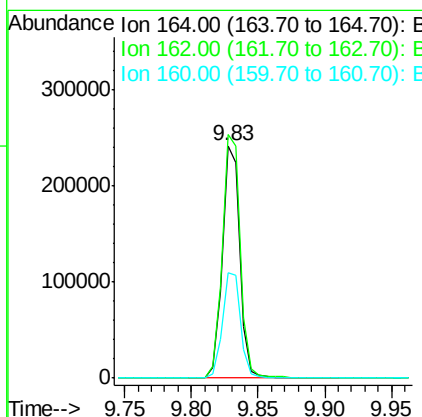
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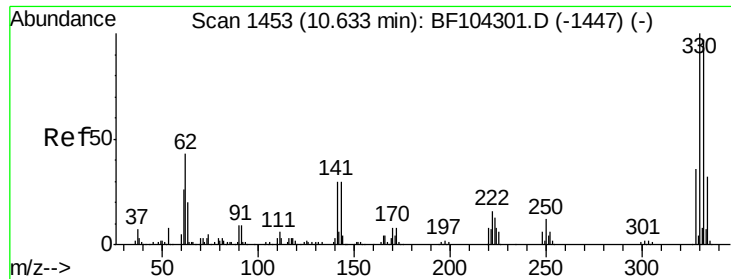
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF104989.D
 Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225559		
162	104.8	86.1	129.1	
160	45.1	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 84.875 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

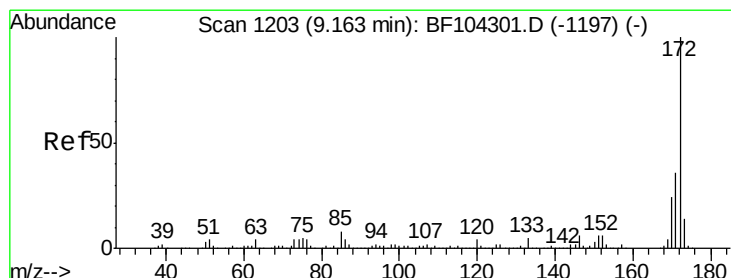
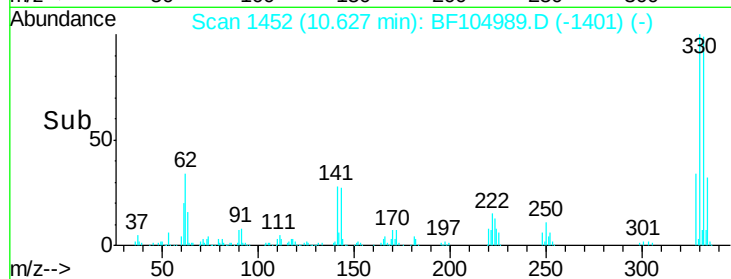
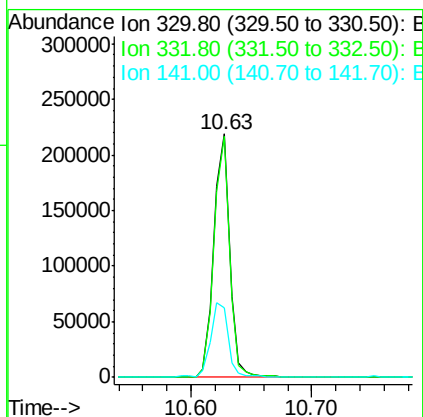
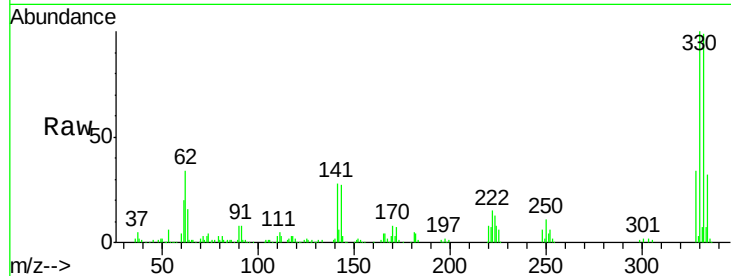
ClientSampled :

TP-4 0.0-0.5

Tgt Ion:	330	Resp:	198590
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.0	115.6
141	35.1	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 61.968 ng

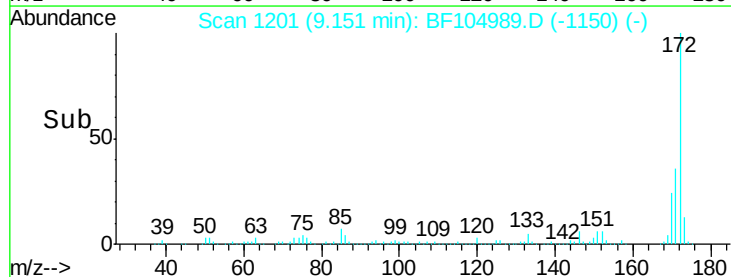
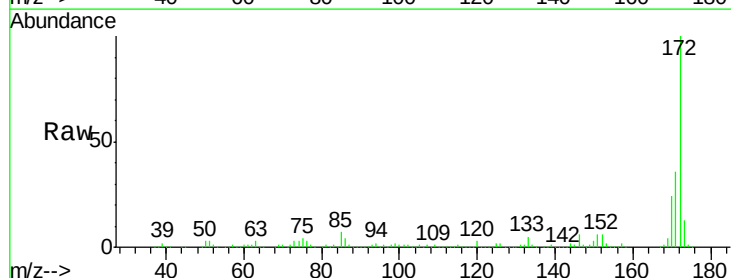
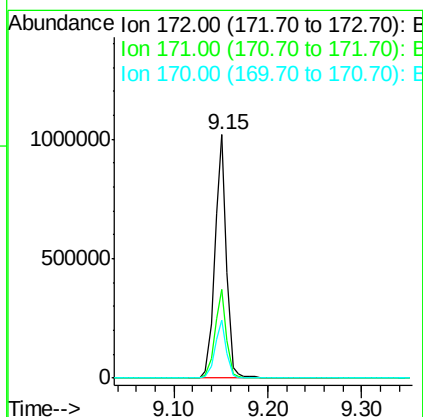
RT: 9.15 min Scan# 1201

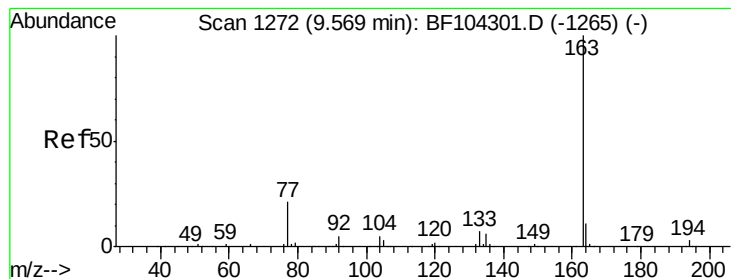
Delta R.T. -0.00 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Tgt Ion:	172	Resp:	884786
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4





#49

Dimethylphthalate

Concen: 6.901 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

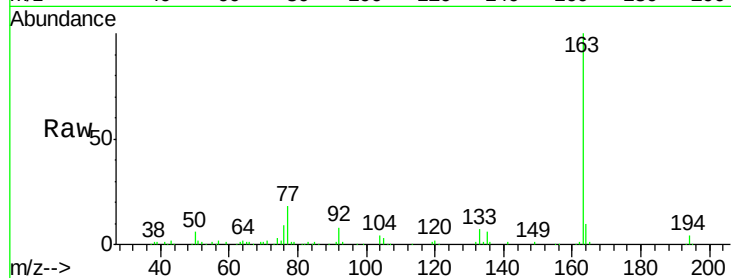
ClientSampleId :

TP-4 0.0-0.5

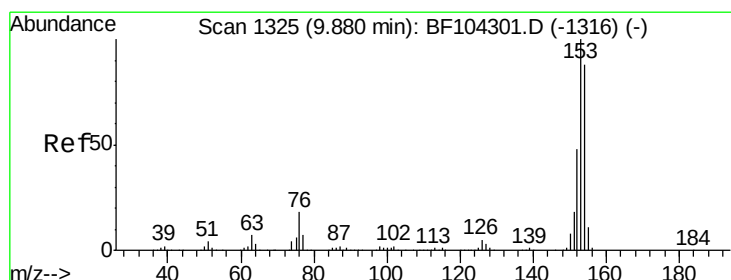
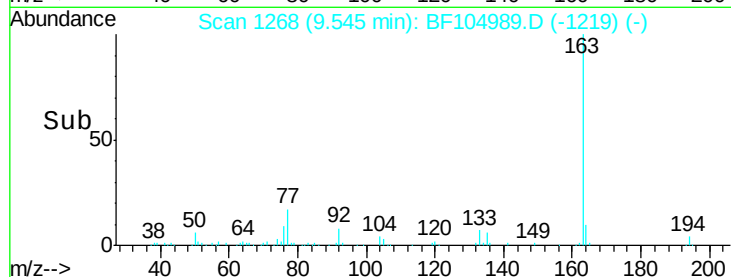
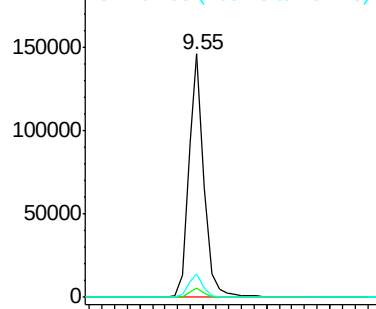
Tgt Ion:	163	Resp:	122745
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.8	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.493 ng

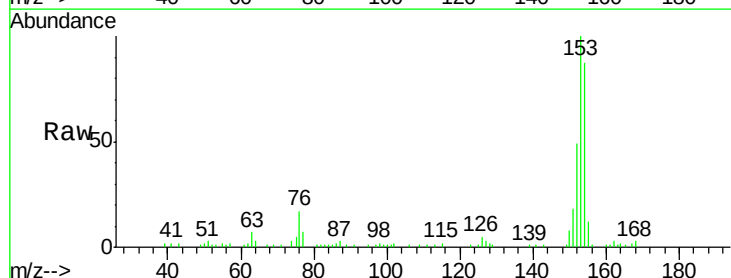
RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

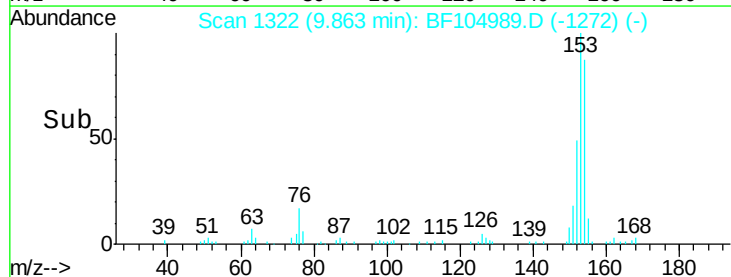
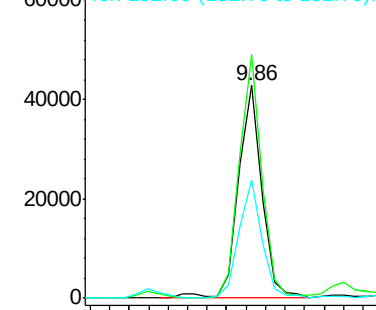
Lab File: BF104989.D

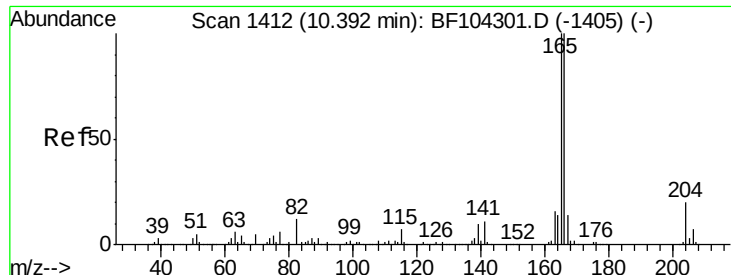
Acq: 1 May 2018 17:41

Tgt Ion:	154	Resp:	35722
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.2	136.8
152	55.5	43.8	65.8



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





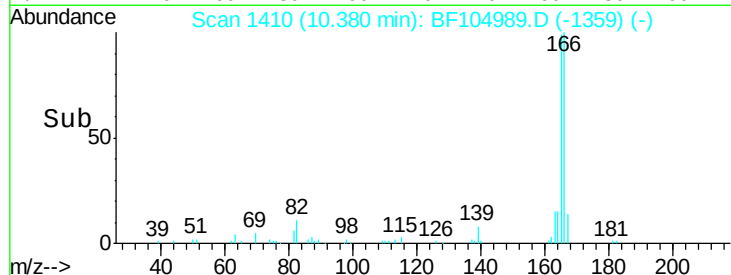
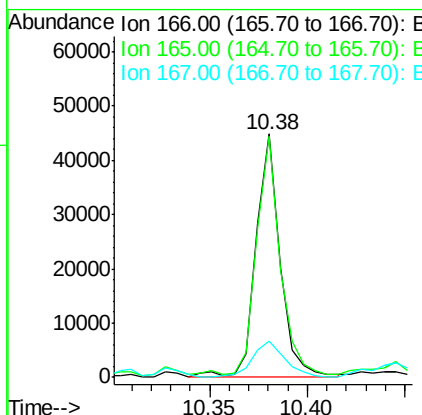
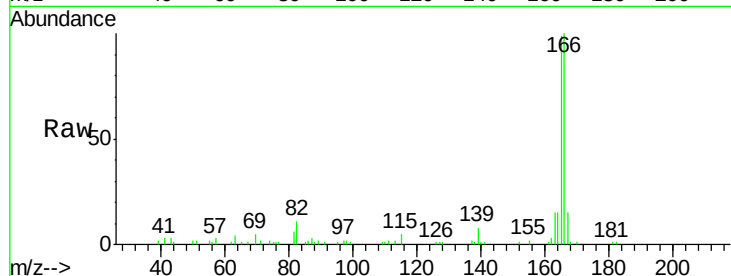
#57
 Fluorene
 Concen: 2.671 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: BF104989.D
 Acq: 1 May 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-4 0.0-0.5

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	38815		
165	98.9	79.8	119.8	
167	14.7	10.6	16.0	

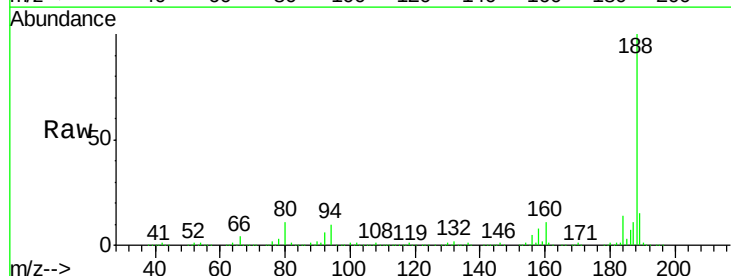
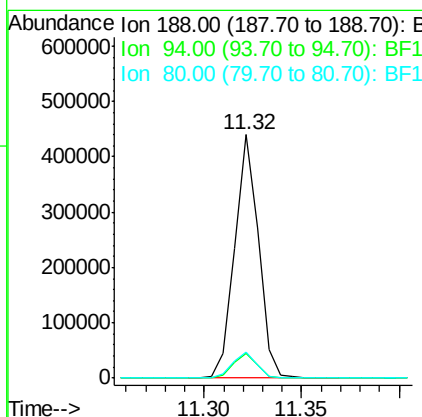
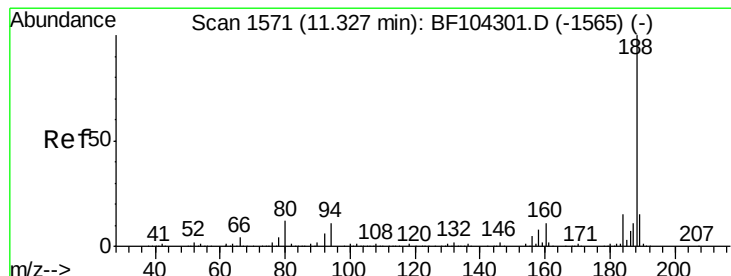
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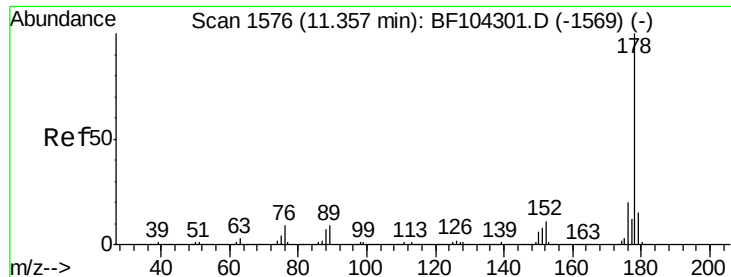
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF104989.D
 Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	373665		
94	10.0	8.5	12.7	
80	10.5	9.2	13.8	





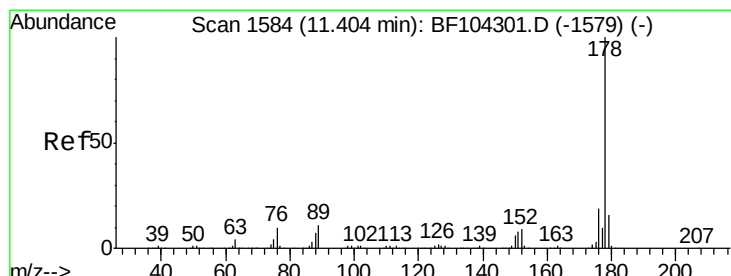
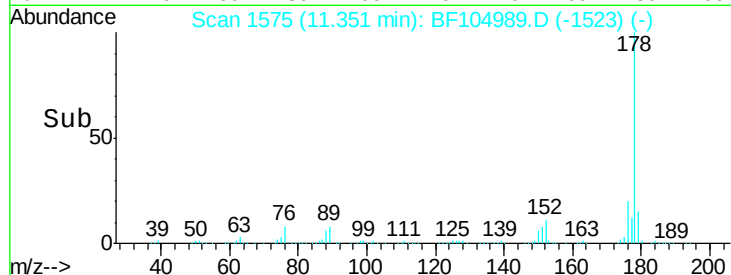
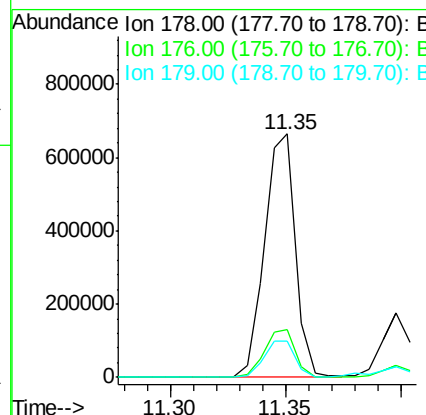
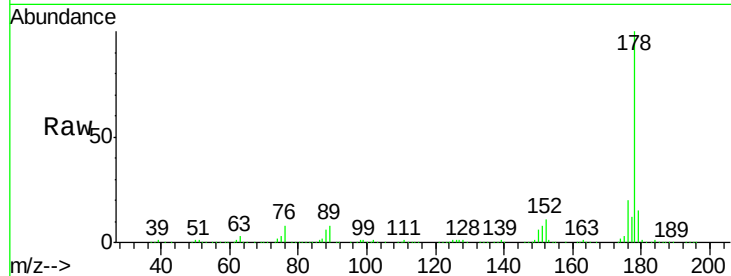
#70
Phenanthrene
Concen: 29.734 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4 0.0-0.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.2	13.0	19.6

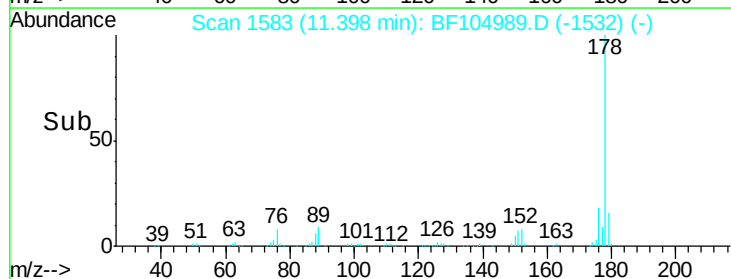
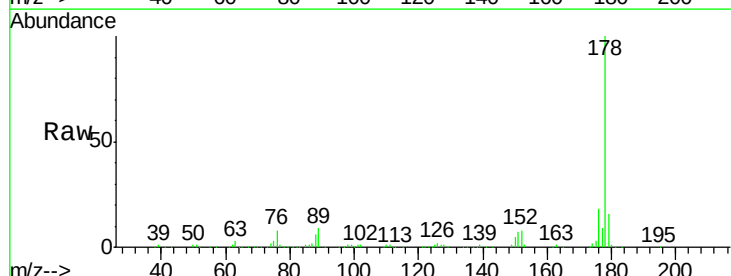
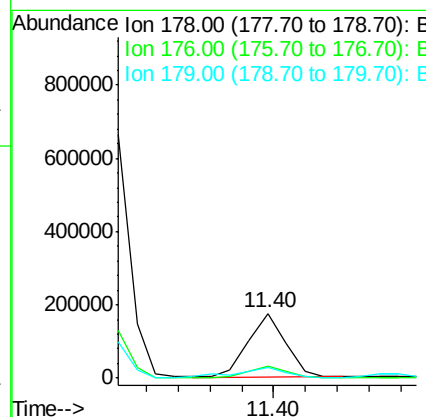
Manual Integrations
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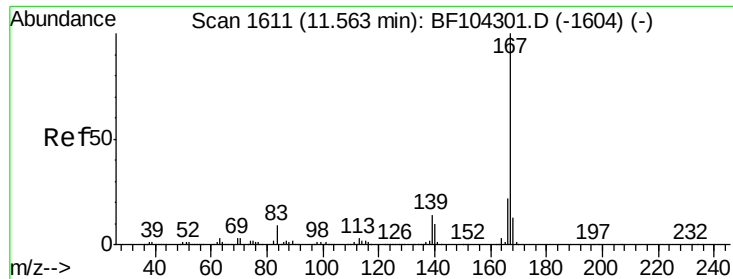
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#71
Anthracene
Concen: 6.848 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.1	12.6	19.0





#72

Carbazole

Concen: 3.192 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

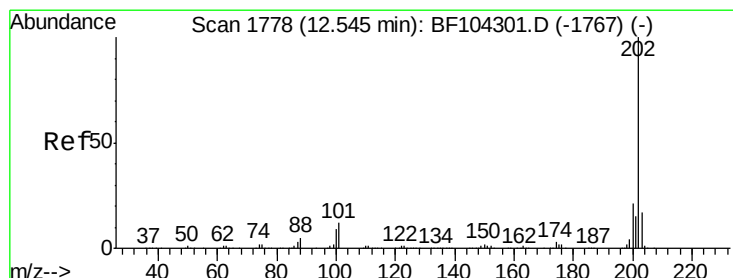
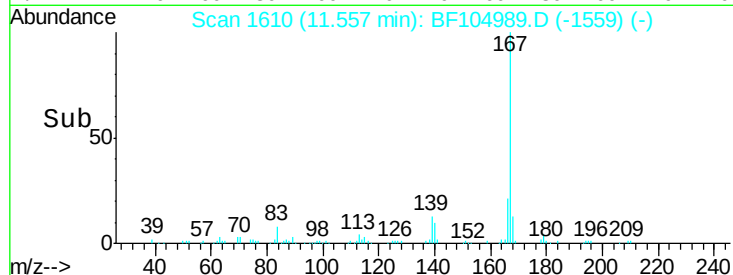
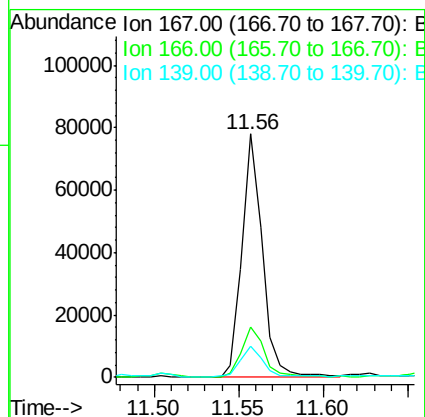
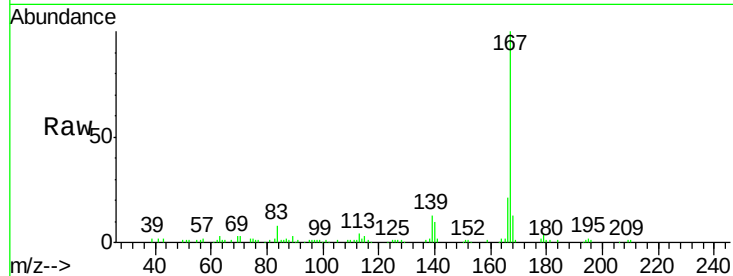
ClientSampleId :

TP-4 0.0-0.5

Tgt Ion:	167	Resp:	65977
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.6	26.4
139	12.9	10.9	16.3

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#74

Fluoranthene

Concen: 38.774 ng

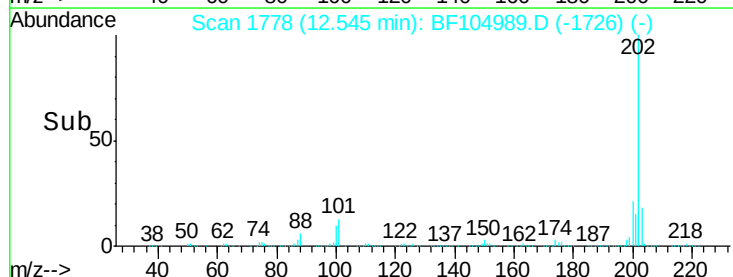
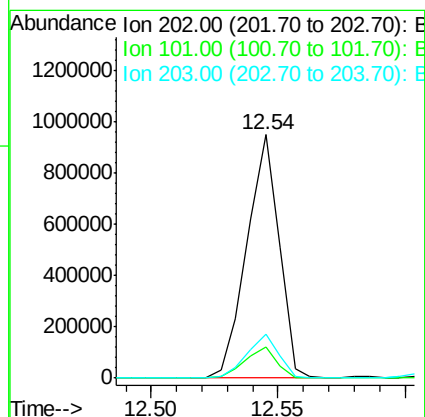
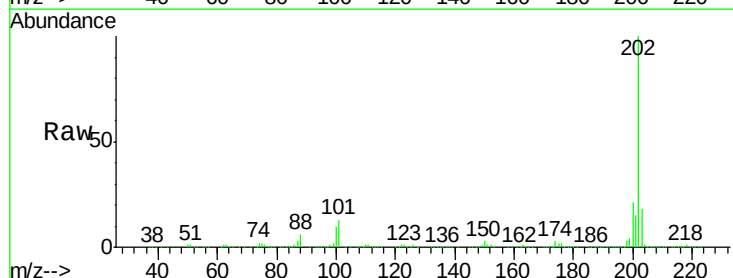
RT: 12.54 min Scan# 1778

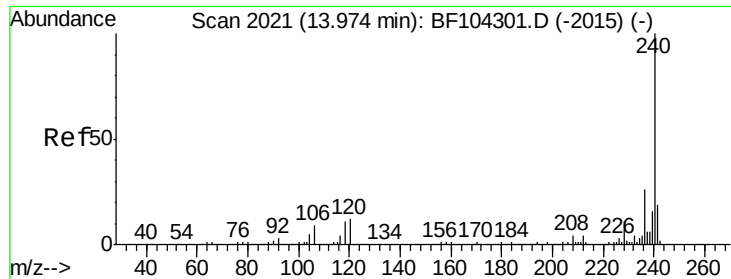
Delta R.T. 0.01 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Tgt Ion:	202	Resp:	843005
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.05 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

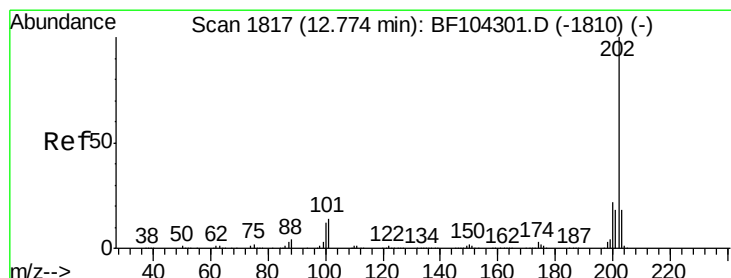
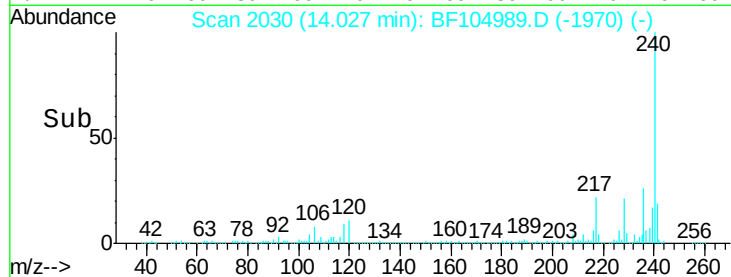
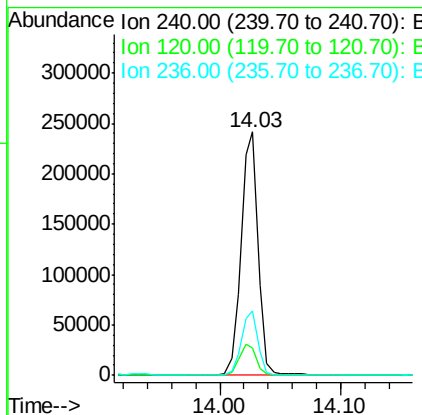
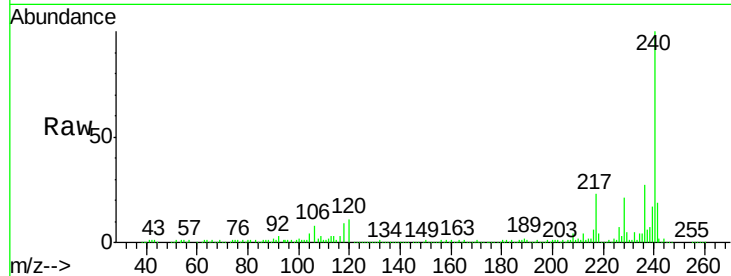
ClientSampleId :

TP-4 0.0-0.5

Tgt Ion:	240	Resp:	237314
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 41.534 ng

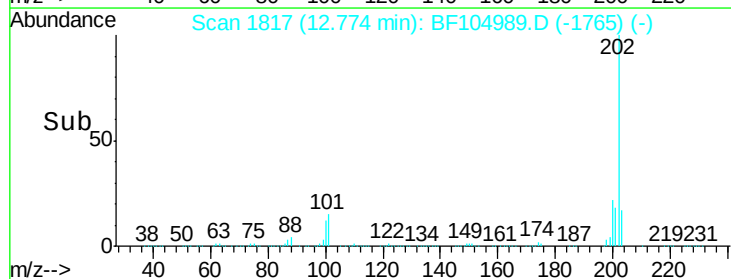
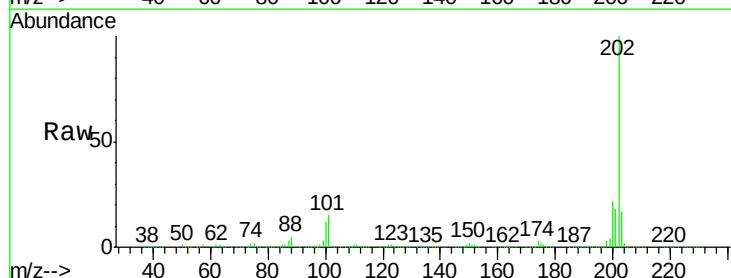
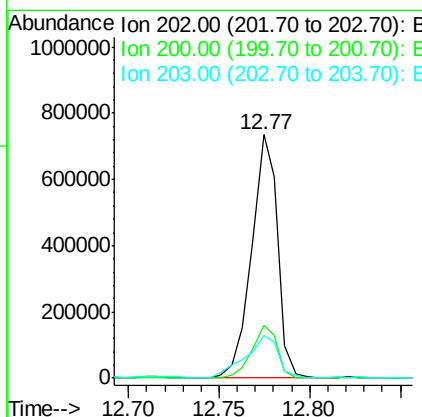
RT: 12.77 min Scan# 1817

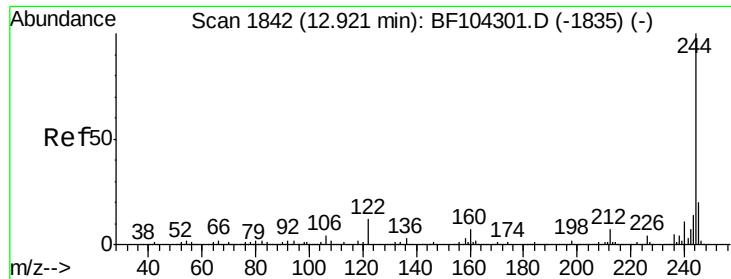
Delta R.T. 0.01 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Tgt Ion:	202	Resp:	730600
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5





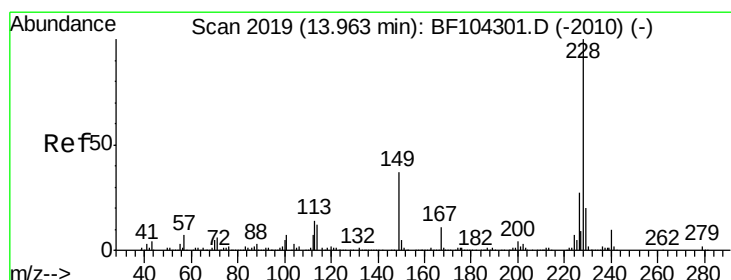
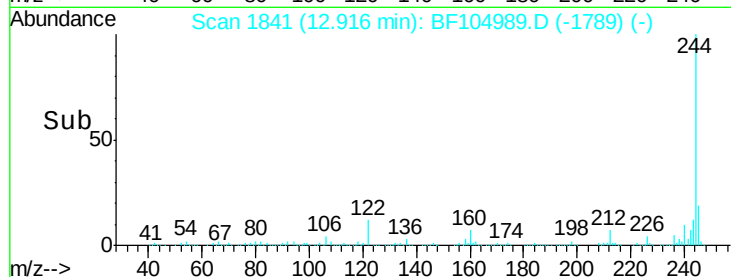
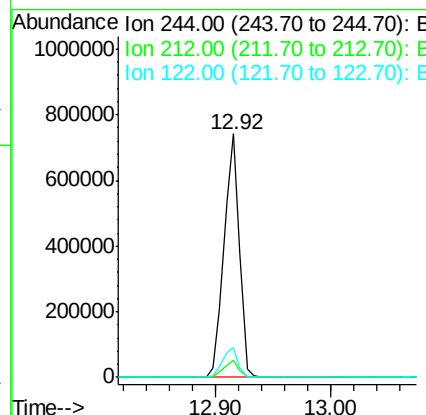
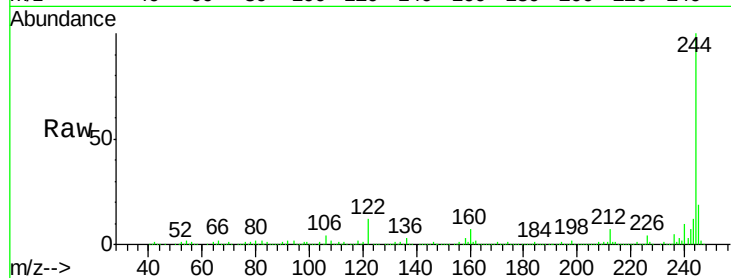
#78
 Terphenyl-d14
 Concen: 65.456 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF104989.D
 Acq: 1 May 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-4 0.0-0.5

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	681349		
212	6.8	5.4	8.0	
122	12.5	11.0	16.4	

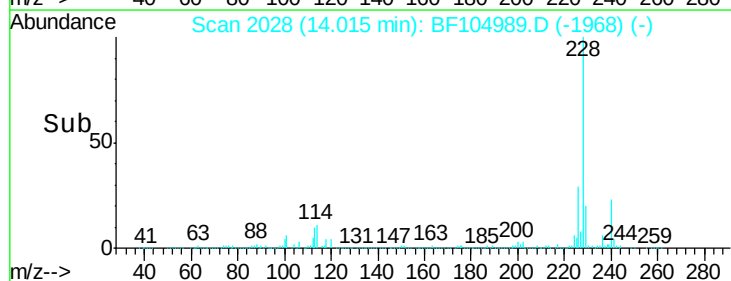
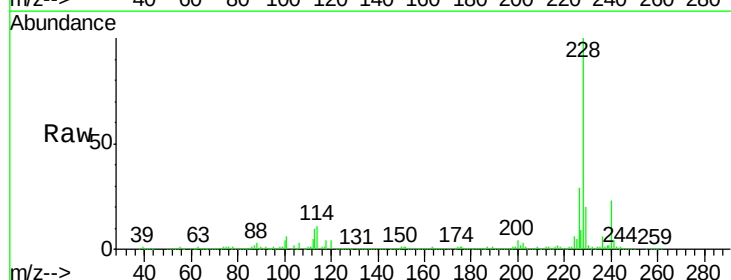
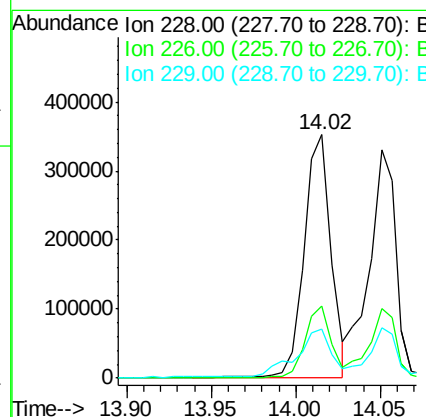
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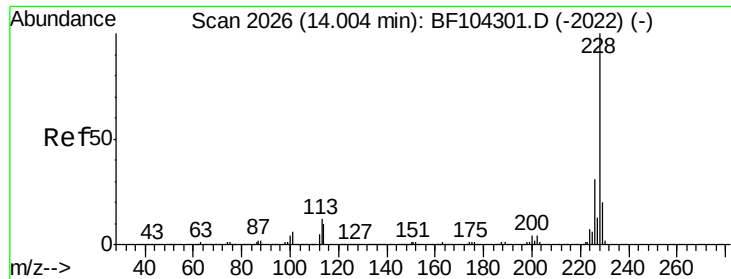
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#80
 Benzo(a)anthracene
 Concen: 27.200 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.05 min
 Lab File: BF104989.D
 Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	385628		
226	29.4	22.6	33.8	
229	20.1	15.8	23.6	





#82

Chrysene

Concen: 25.410 ng m

RT: 14.05 min Scan# 2034

Delta R.T. 0.05 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

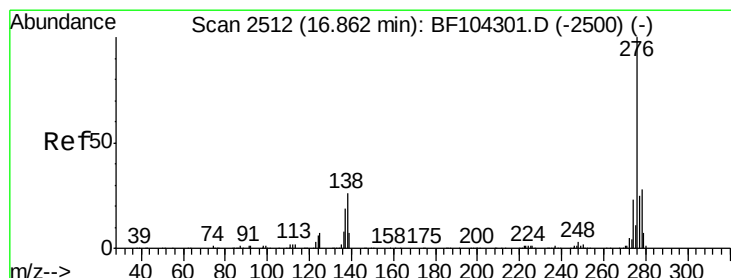
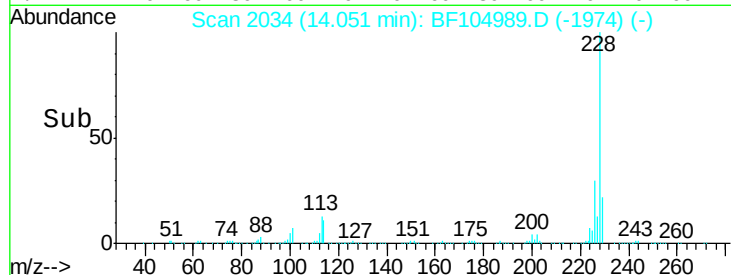
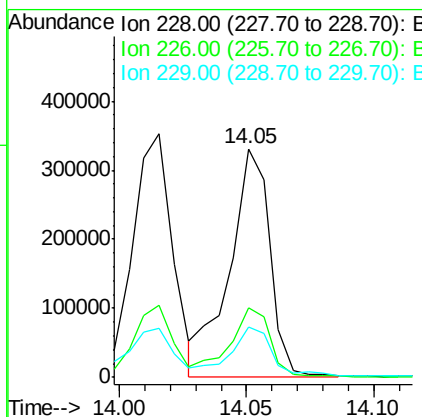
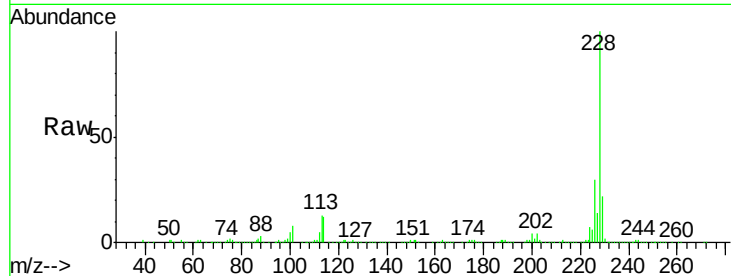
ClientSampleId :

TP-4 0.0-0.5

Tgt Ion:	228	Resp:	370029
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.2	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.790 ng m

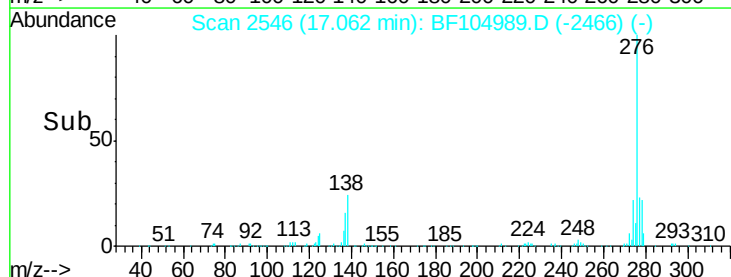
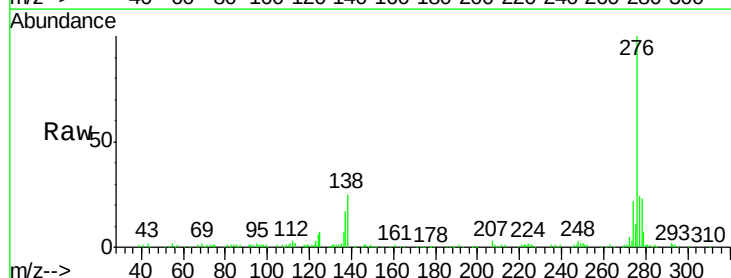
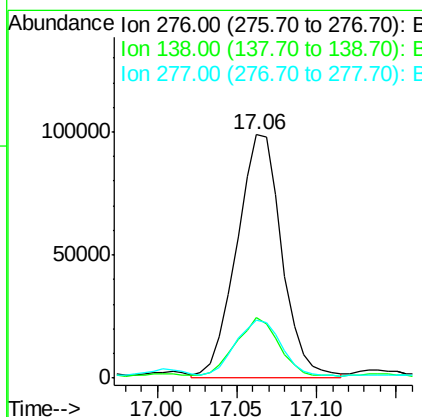
RT: 17.06 min Scan# 2546

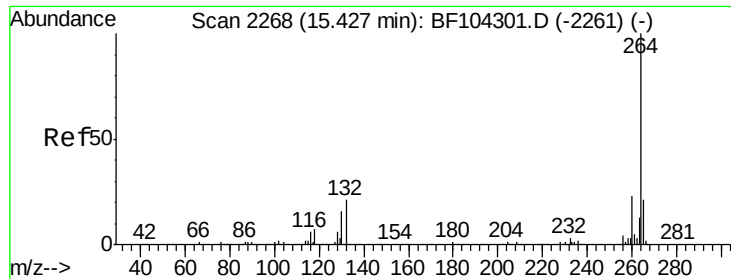
Delta R.T. 0.17 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Tgt Ion:	276	Resp:	195334
Ion Ratio	Lower	Upper	
276	100		
138	2.5	25.0	37.6#
277	4.2	20.1	30.1#





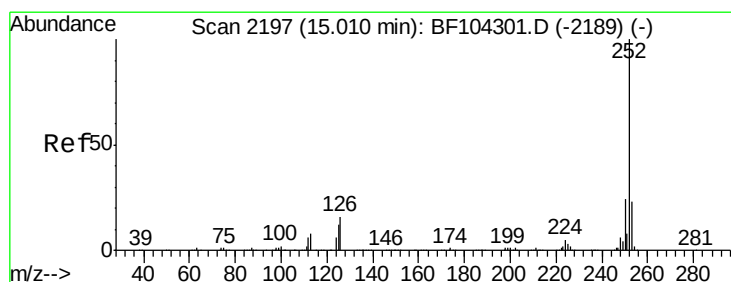
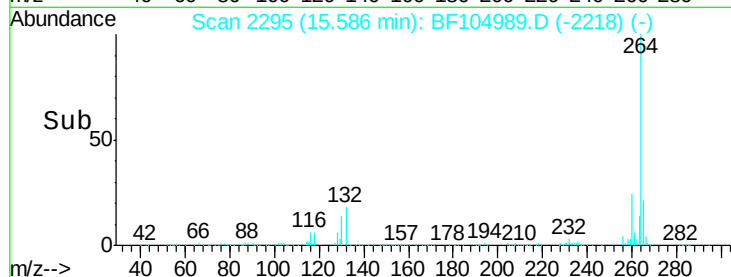
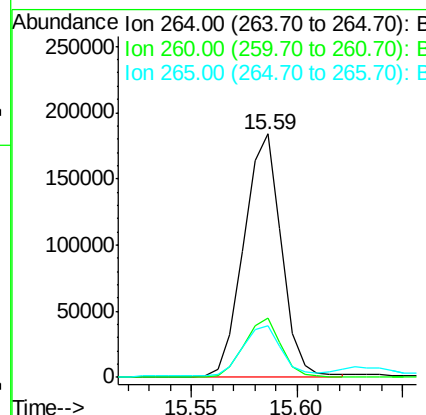
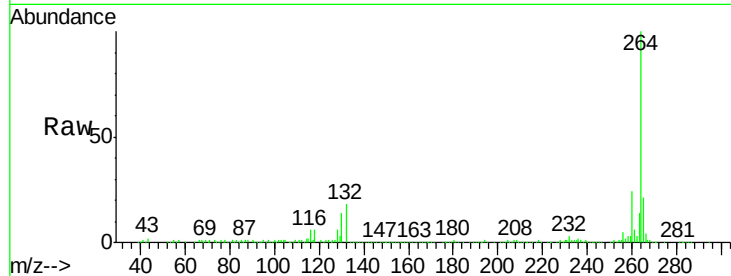
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.15 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4 0.0-0.5

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	226331		
260	24.1	19.2	28.8	
265	21.4	17.5	26.3	

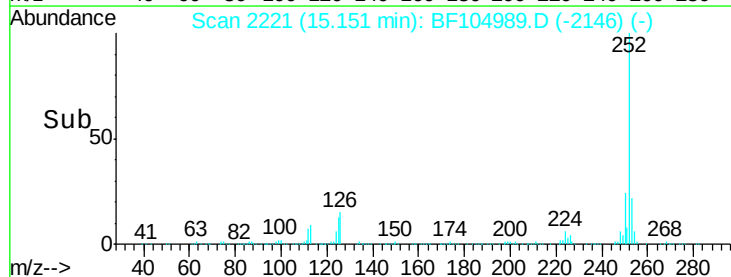
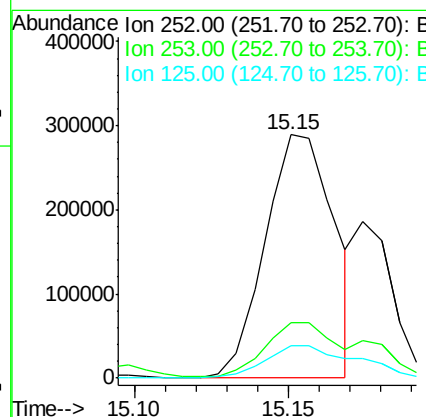
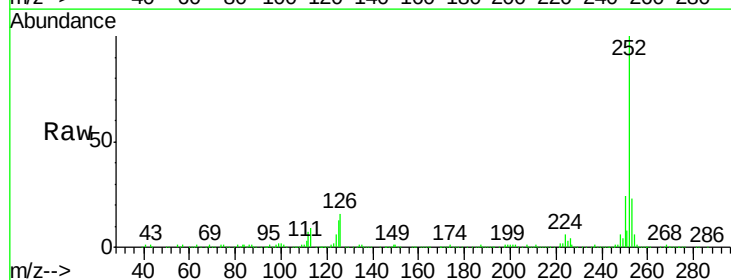
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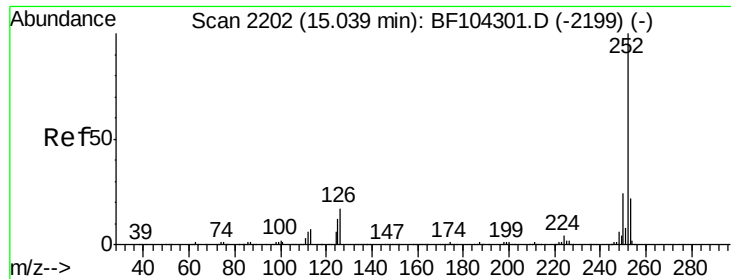
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#87
Benzo(b)fluoranthene
Concen: 31.855 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.14 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	455352		
253	22.6	17.0	25.6	
125	13.2	9.0	13.6	





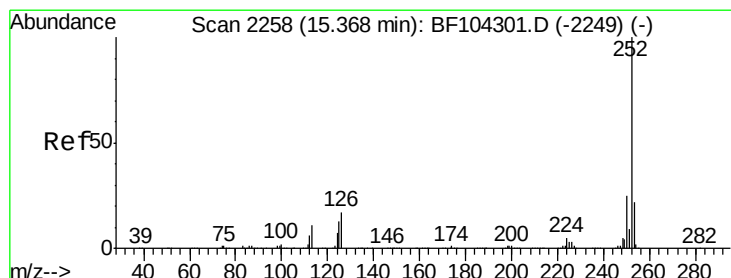
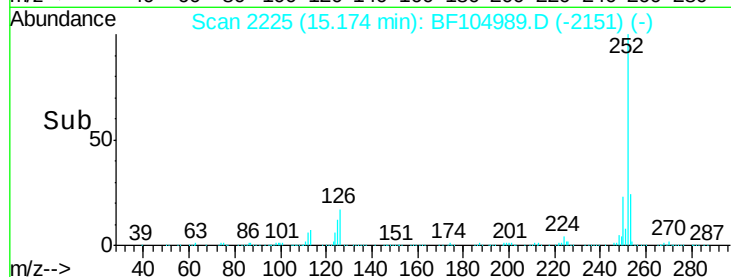
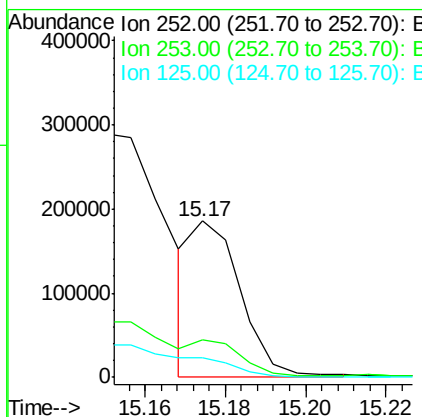
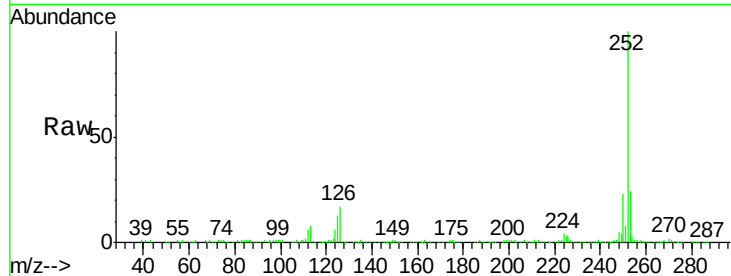
#88
Benzo(k)fluoranthene
Concen: 11.590 ng m
RT: 15.17 min Scan# 2225
Delta R.T. 0.14 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4 0.0-0.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.6	10.2	15.2

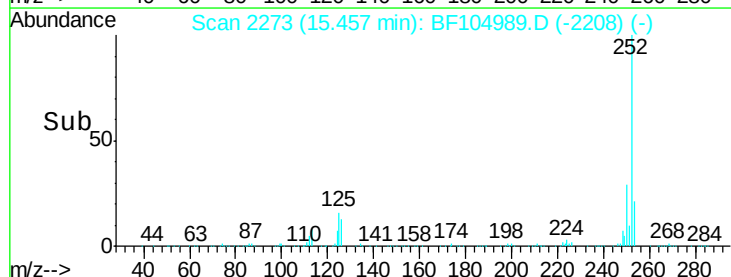
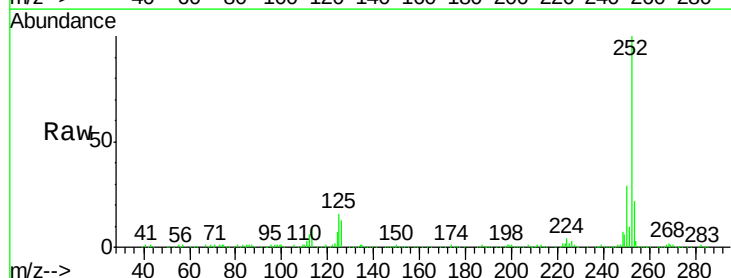
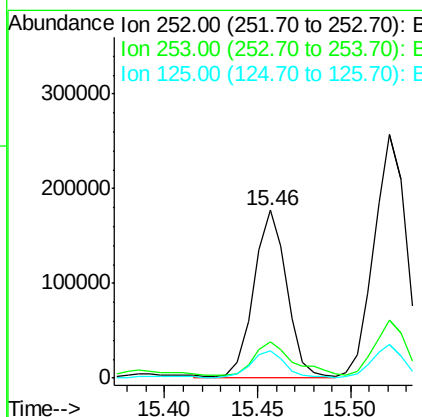
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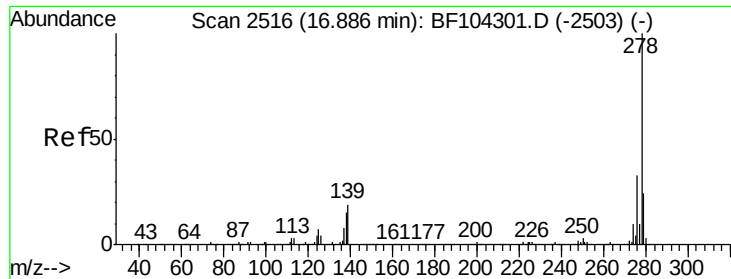
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#89
Benzo(a)pyrene
Concen: 17.232 ng m
RT: 15.46 min Scan# 2273
Delta R.T. 0.08 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	15.9	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.755 ng m

RT: 17.07 min Scan# 2547

Delta R.T. 0.16 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Instrument :

BNA_F

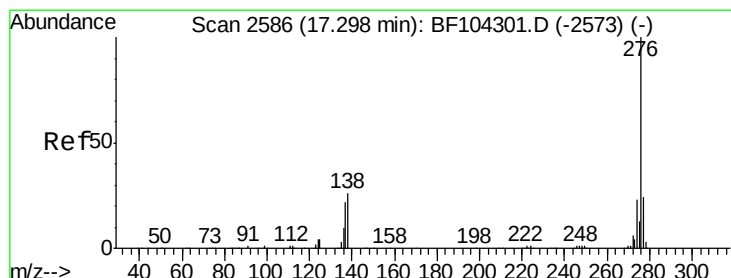
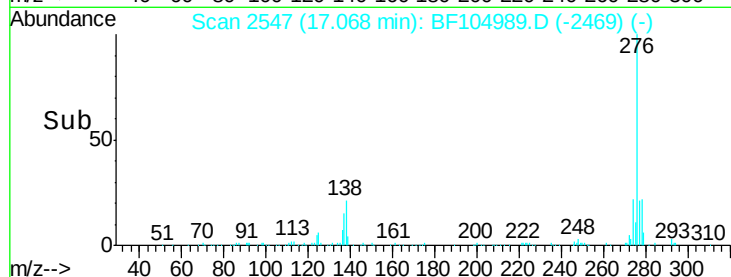
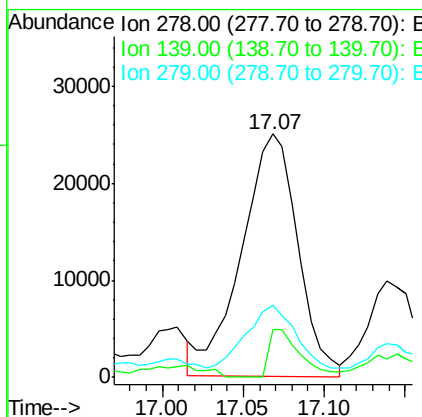
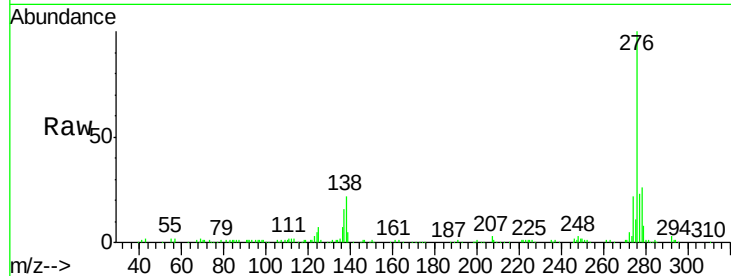
ClientSampleId :

TP-4 0.0-0.5

Tgt Ion:	278	Resp:	60454
Ion Ratio	Lower	Upper	
278	100		
139	19.8	15.9	23.9
279	29.4	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 16.946 ng

RT: 17.52 min Scan# 2623

Delta R.T. 0.18 min

Lab File: BF104989.D

Acq: 1 May 2018 17:41

Tgt Ion:	276	Resp:	172462
Ion Ratio	Lower	Upper	
276	100		
277	24.2	17.9	26.9
138	21.7	21.8	32.8#

