

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\
 Data File : BF105085.D
 Acq On : 3 May 2018 20:58
 Operator : JU/SJ
 Sample : J2667-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 155-348-281

Manual Integrations
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Sohil
 5/4/2018 10:51:39 AM

Quant Time: May 04 09:45:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	113900	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	472377	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	212510	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	358039	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	203075	20.00	ng	-0.02
86) Perylene-d12	15.58	264	192104	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	772901	103.76	ng	0.00
7) Phenol-d6	6.43	99	933254	101.97	ng	0.00
23) Nitrobenzene-d5	7.35	82	561587	77.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	234150	106.22	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	1014527	75.42	ng	-0.02
78) Terphenyl-d14	12.90	244	792394	88.96	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.54	163	96375	5.751	ng	99
51) Acenaphthene	9.85	154	31222	2.313	ng	97
54) Dibenzofuran	10.03	168	39004	2.073	ng	95
57) Fluorene	10.37	166	55147	4.027	ng	98
70) Phenanthrene	11.33	178	517568	25.958	ng	99
71) Anthracene	11.39	178	129917	6.410	ng	98
72) Carbazole	11.55	167	75343	3.804	ng	98
74) Fluoranthene	12.53	202	506831	24.329	ng	97
77) Pyrene	12.76	202	399371	26.532	ng	99
80) Benzo(a)anthracene	14.00	228	187785	15.479	ng	99
82) Chrysene	14.04	228	166511	13.362	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	68117	6.435	ng	# 93
87) Benzo(b)fluoranthene	15.14	252	187558m	15.459	ng	
88) Benzo(k)fluoranthene	15.17	252	73493m	6.416	ng	
89) Benzo(a)pyrene	15.52	252	135602	12.491	ng	95
90) Dibenzo(a,h)anthracene	17.06	278	18779	2.106	ng	95
91) Benzo(g,h,i)perylene	17.51	276	61252	7.091	ng	97

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

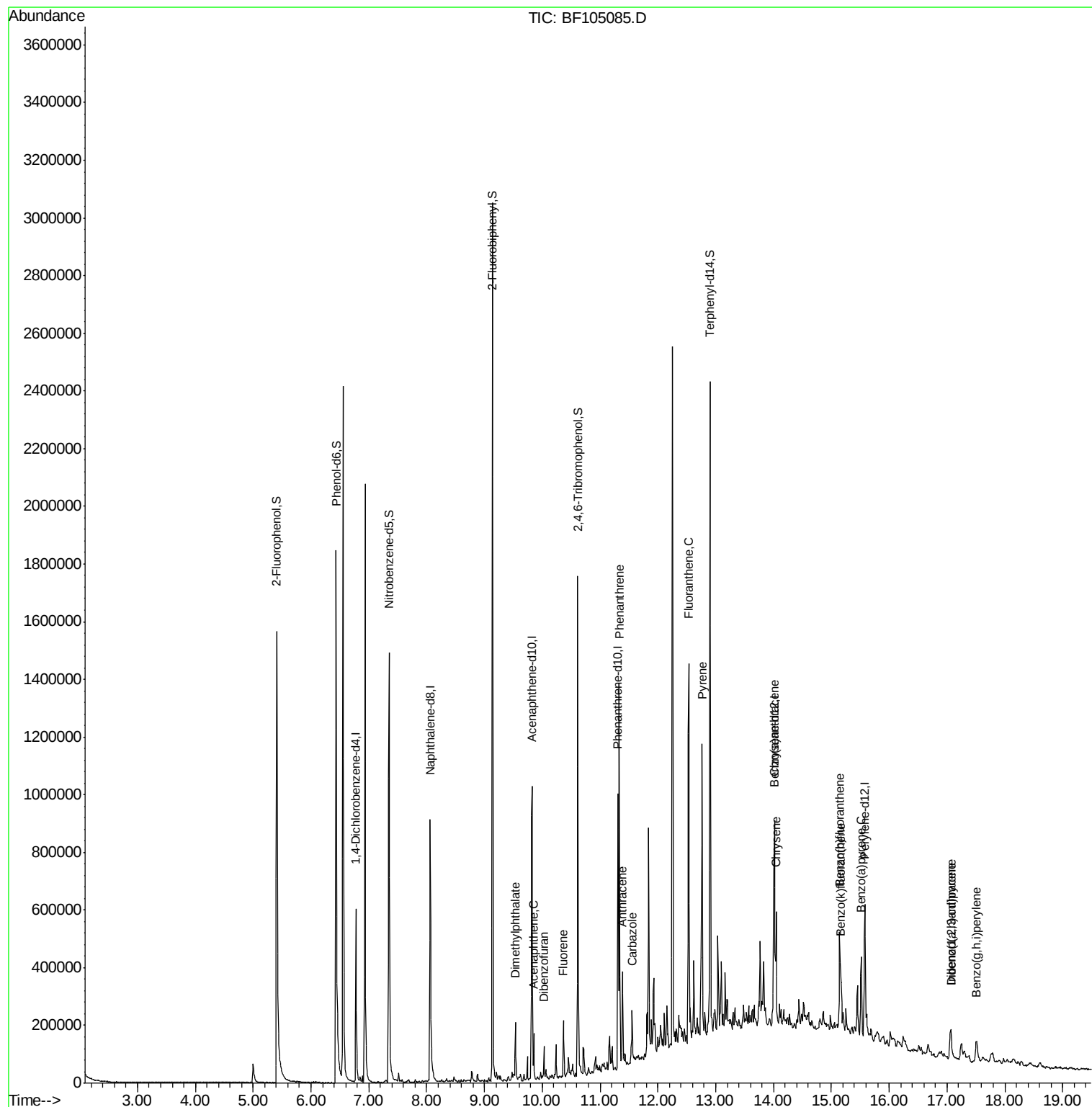
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\
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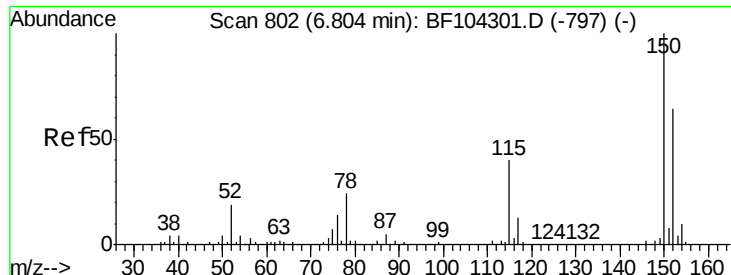
Instrument :
BNA_F
Client Sampled :
155-348-281

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Quant Time: May 04 09:45:29 2018
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#1

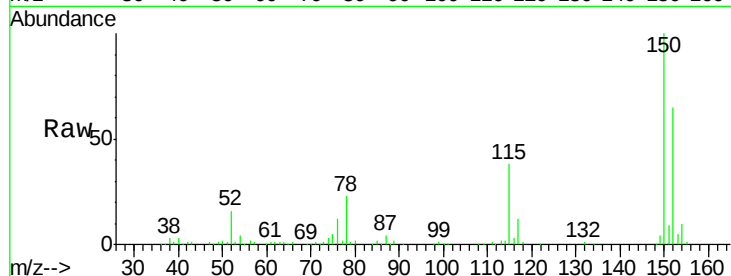
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampleId :
155-348-281

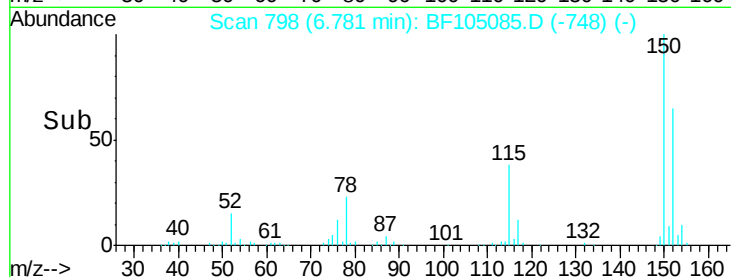
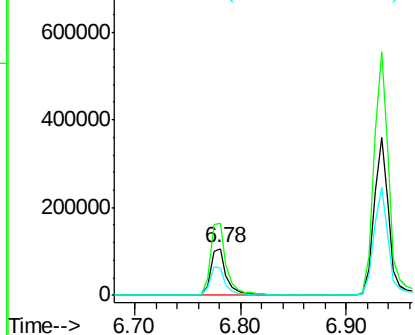
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.3	50.1	75.1

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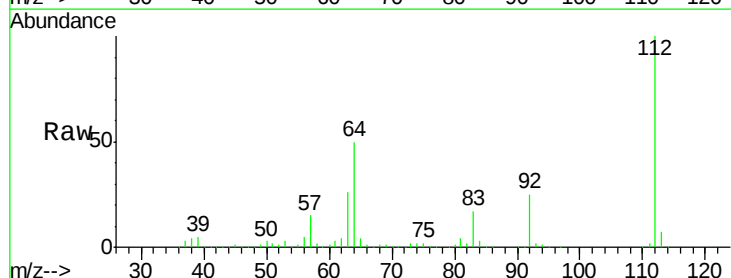
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Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



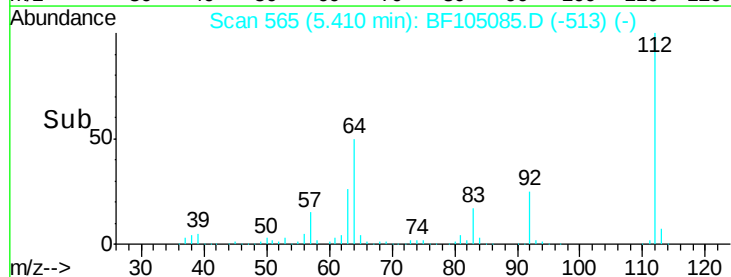
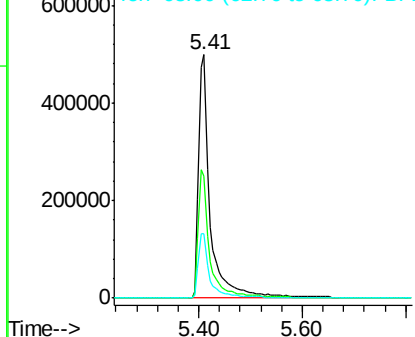
#5

2-Fluorophenol
Concen: 103.758 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.2	47.9	71.9
63	26.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.968 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Instrument :

BNA_F

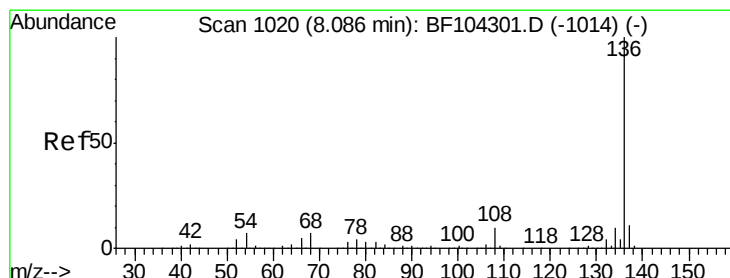
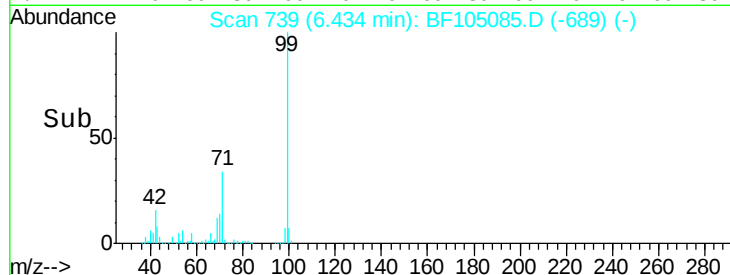
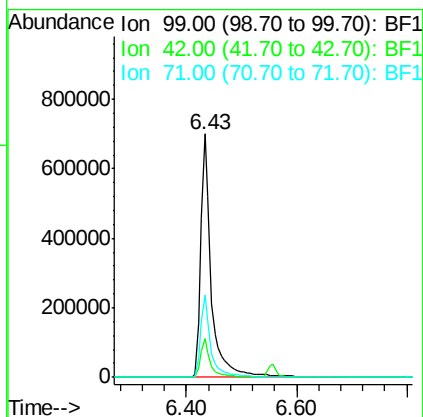
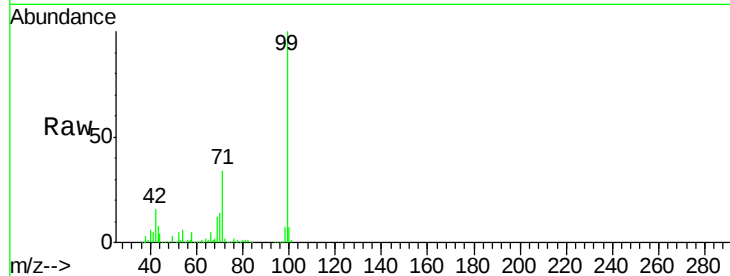
ClientSampleId :

155-348-281

Tot Ion:	99	Resp:	933254
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	34.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

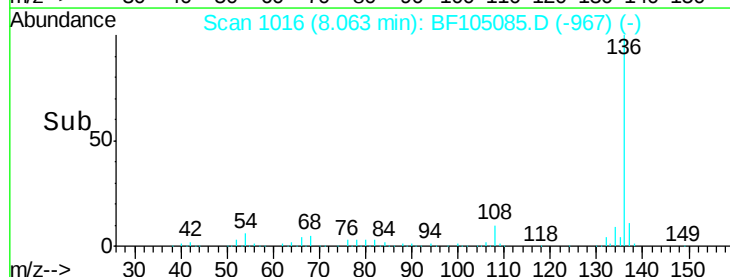
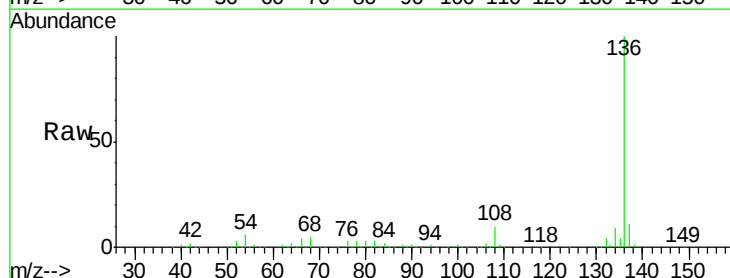
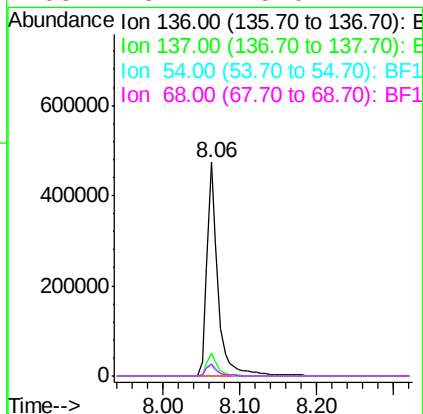
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Tgt Ion:	136	Resp:	472377
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.2	6.6	9.8#
68	5.2	5.0	7.4





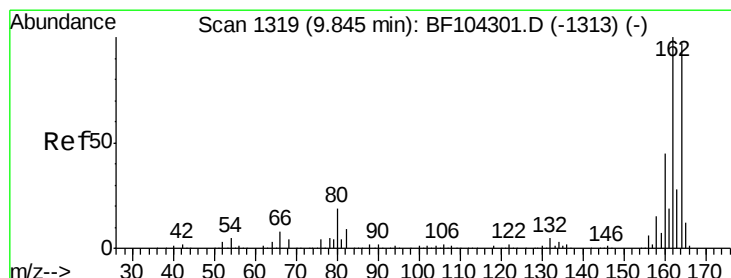
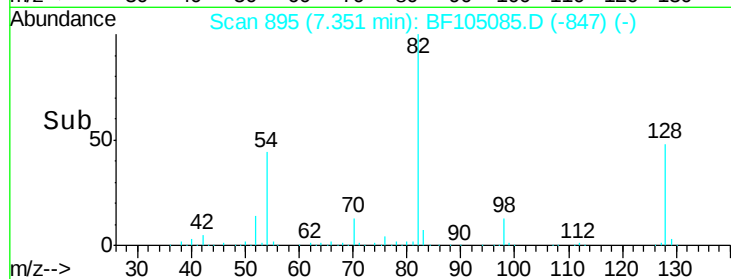
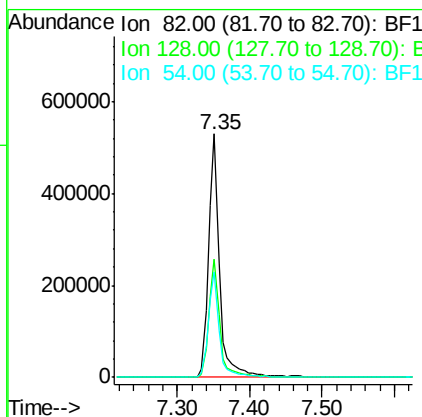
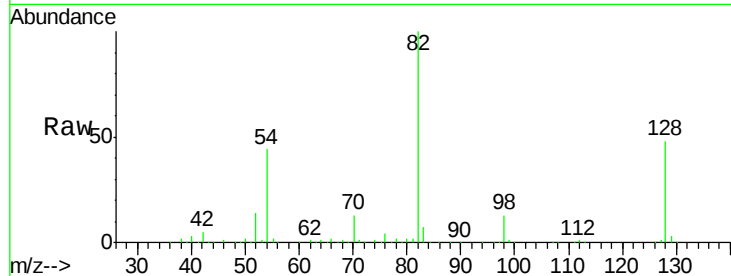
#23
Nitrobenzene-d5
Concen: 77.630 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampled :
155-348-281

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	43.5	41.4	62.2

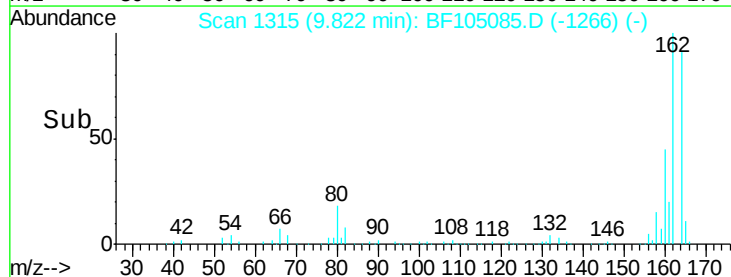
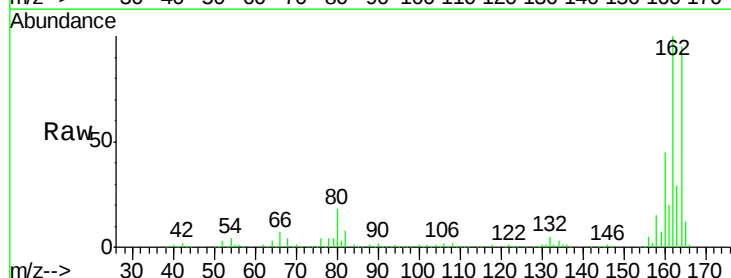
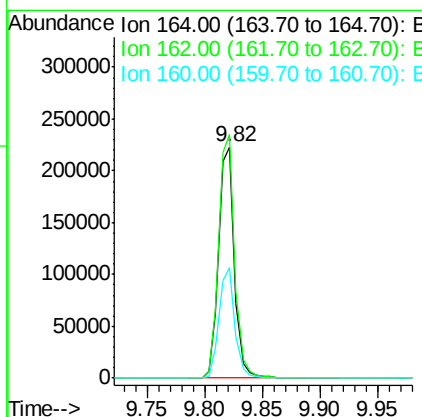
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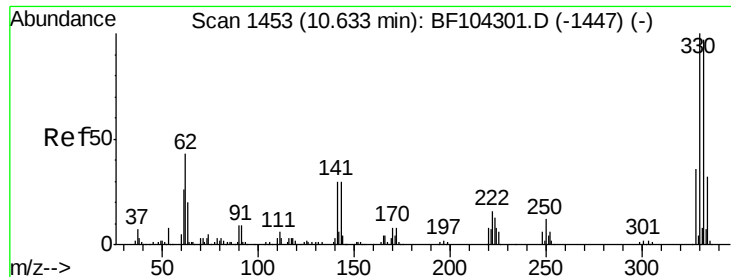
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	47.7	38.3	57.5





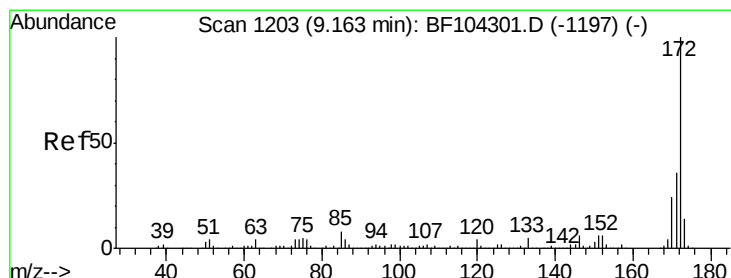
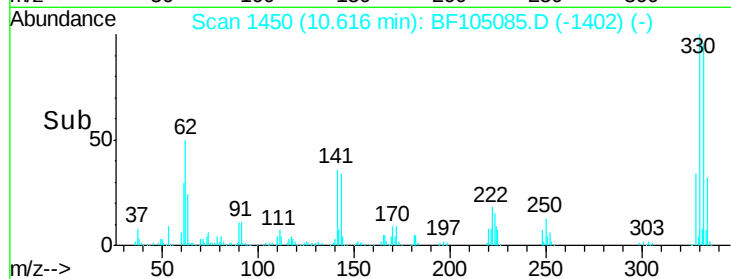
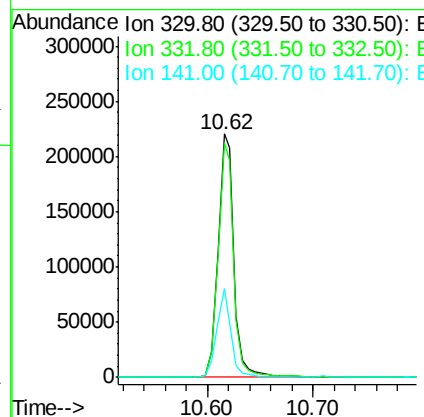
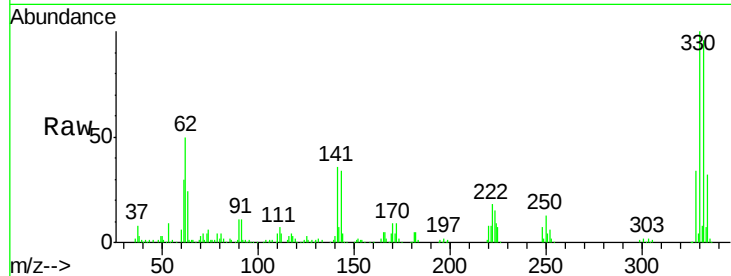
#41
 2,4,6-Tribromophenol
 Concen: 106.218 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF105085.D
 Acq: 3 May 2018 20:58

Instrument :
 BNA_F
 ClientSampled :
 155-348-281

Tot Ion	Ratio	Resp	Lower	Upper
330	100	234150		
332	95.8	77.0	115.6	
141	33.4	29.9	44.9	

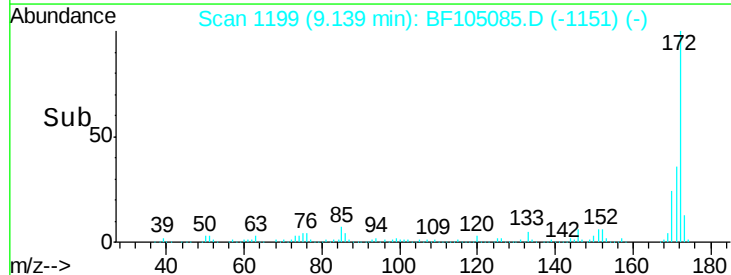
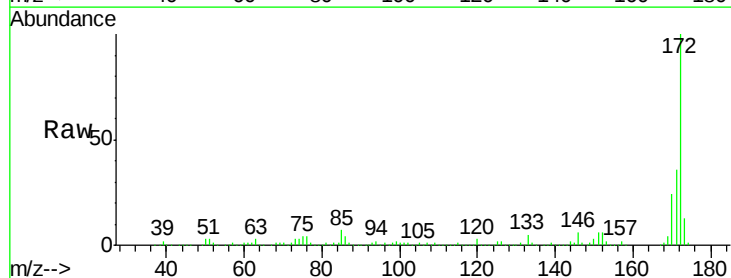
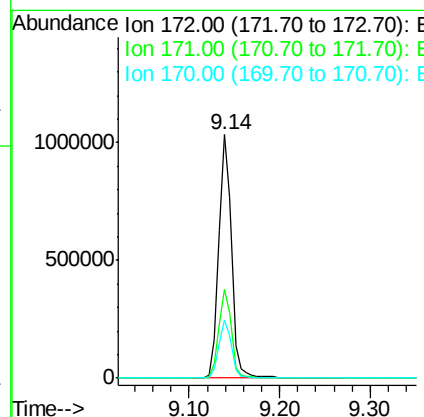
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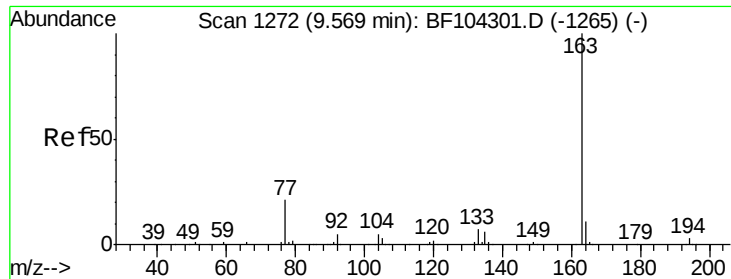
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#44
 2-Fluorobiphenyl
 Concen: 75.418 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF105085.D
 Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1014527		
171	36.3	29.7	44.5	
170	23.8	19.6	29.4	





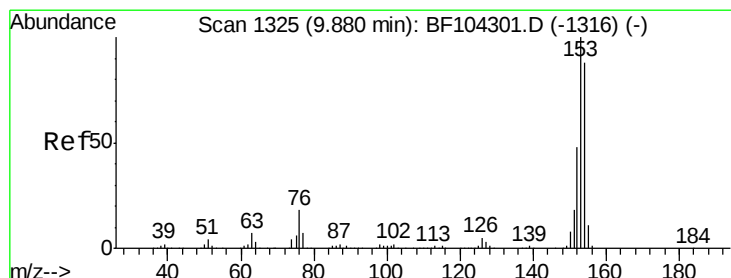
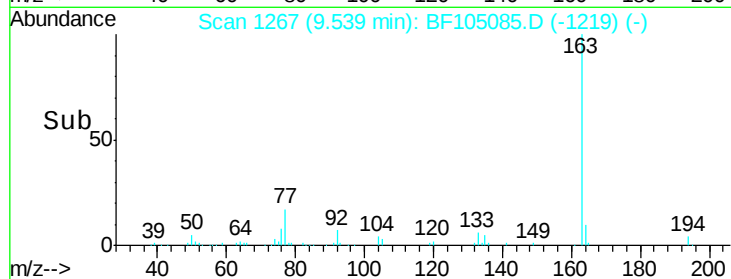
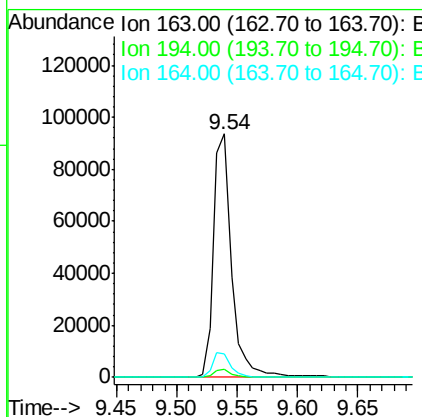
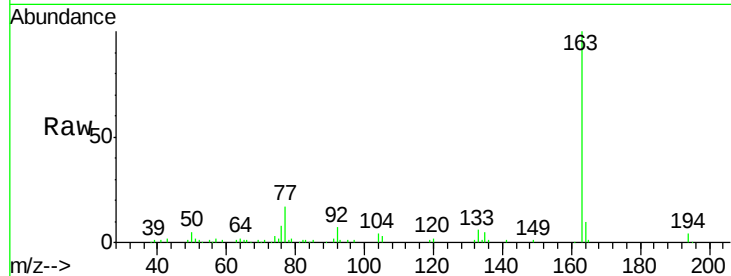
#49
Dimethylphthalate
Concen: 5.751 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampleId :
155-348-281

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2

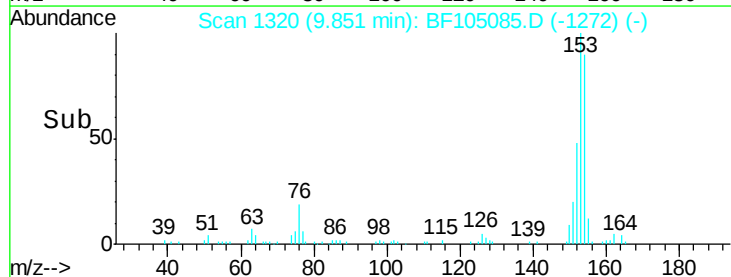
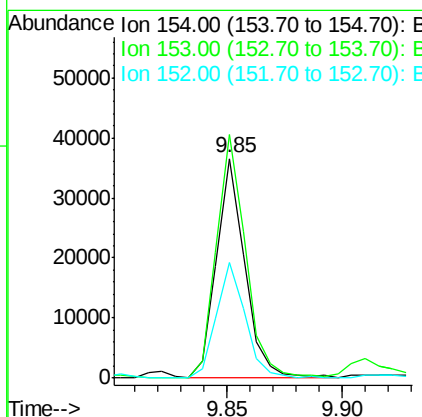
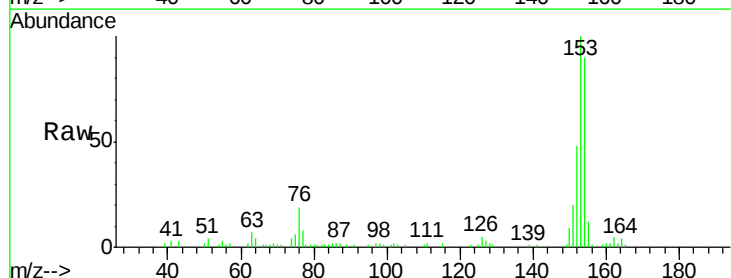
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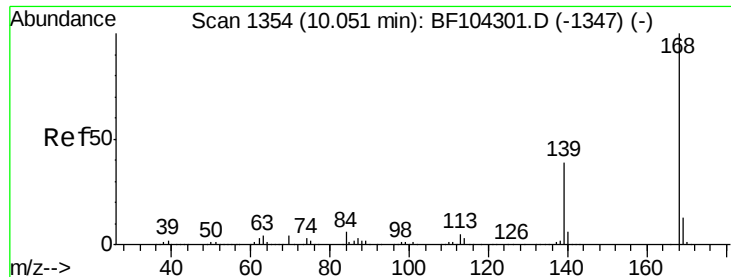
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#51
Acenaphthene
Concen: 2.313 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.9	91.2	136.8
152	52.7	43.8	65.8





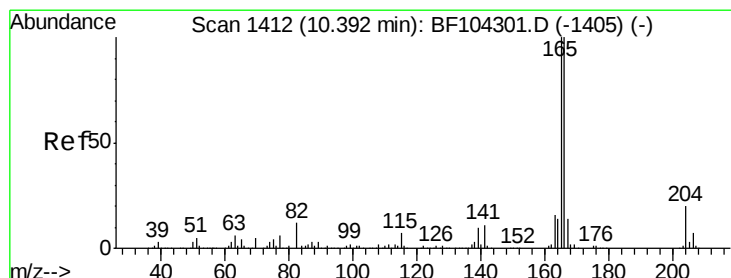
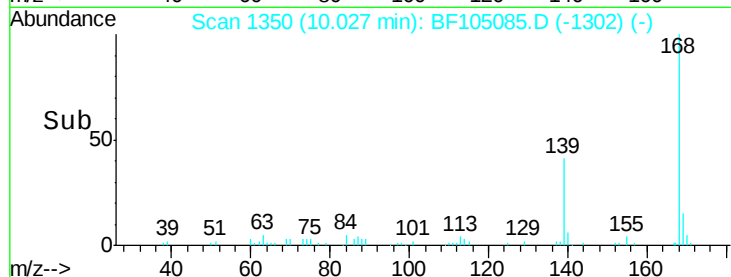
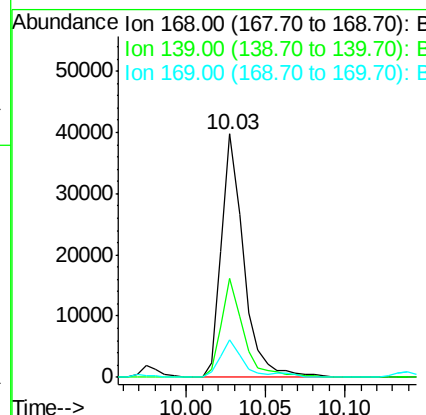
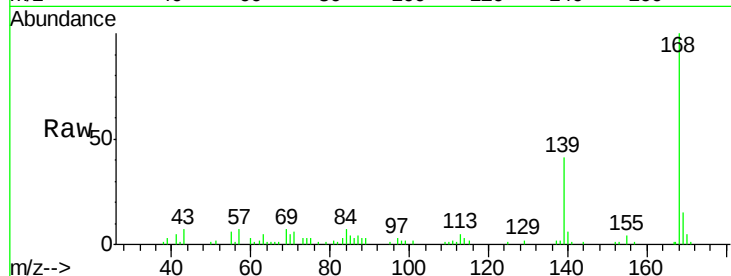
#54
Dibenzenofuran
Concen: 2.073 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampled :
155-348-281

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	30.1	45.1
169	15.5	10.9	16.3

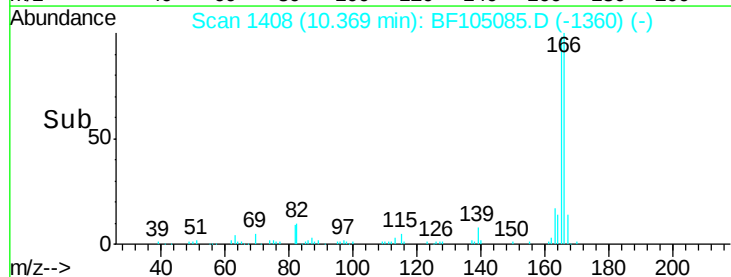
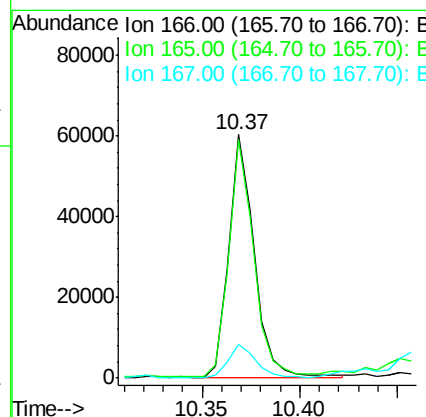
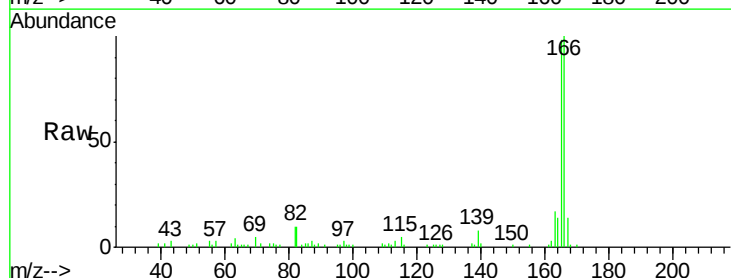
Manual Integrations
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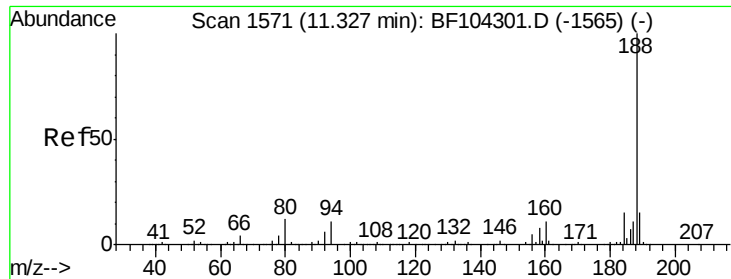
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#57
Fluorene
Concen: 4.027 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.0	10.6	16.0





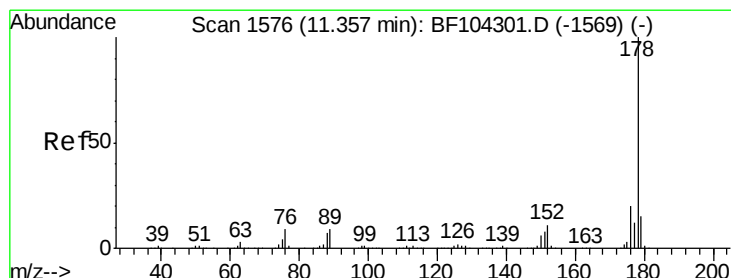
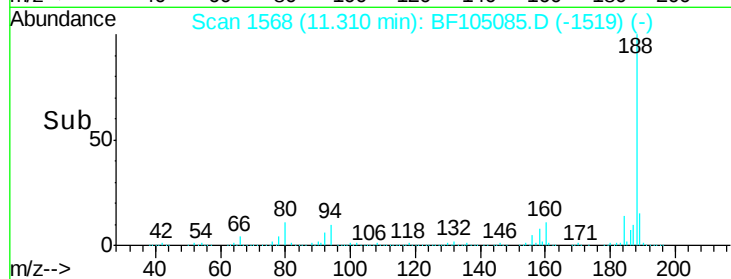
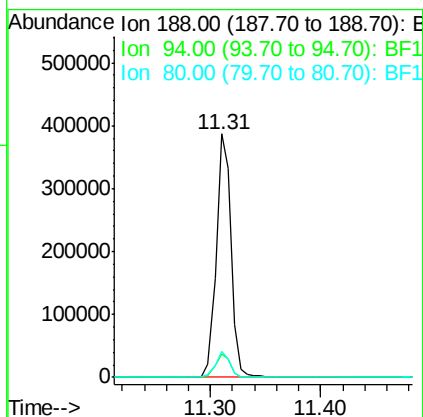
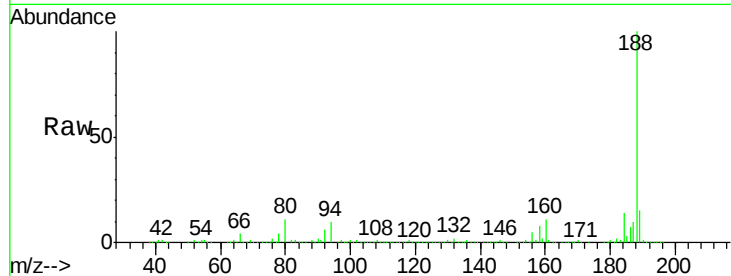
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampleId :
155-348-281

Tot Ion	Ratio	Resp	Lower	Upper
188	100	358039		
94	9.8		8.5	12.7
80	10.9		9.2	13.8

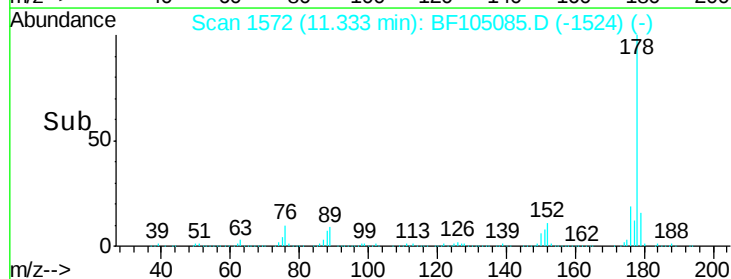
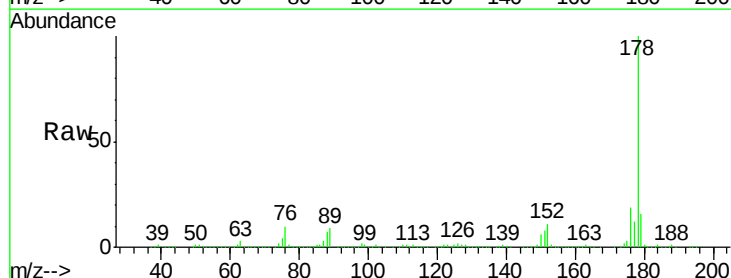
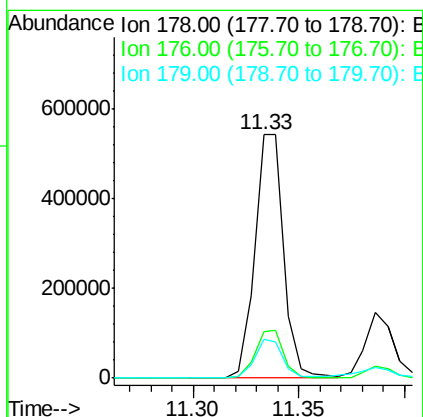
Manual Integrations
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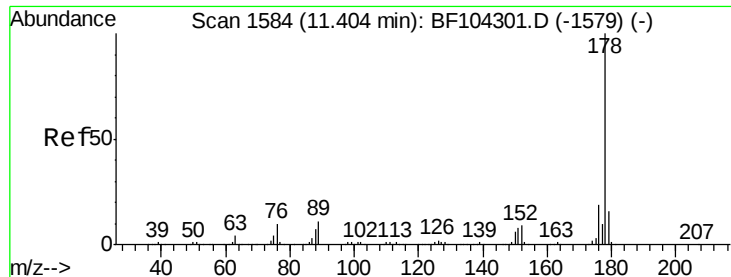
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#70
Phenanthrene
Concen: 25.958 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	517568		
176	19.3		15.8	23.8
179	15.7		13.0	19.6





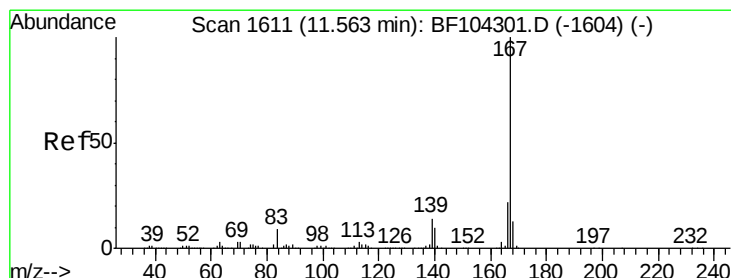
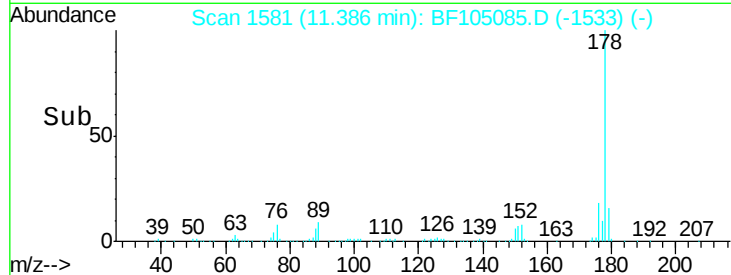
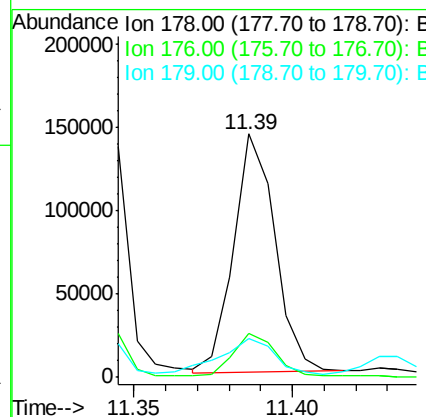
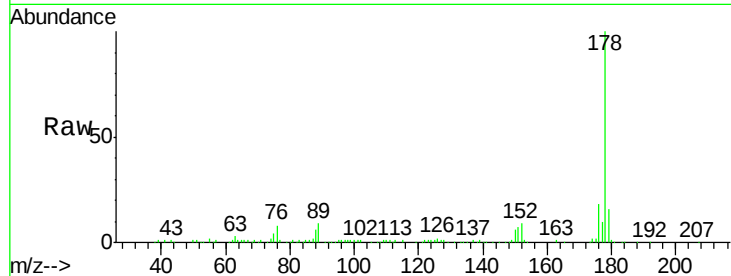
#71
 Anthracene
 Concen: 6.410 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF105085.D
 Acq: 3 May 2018 20:58

Instrument :
 BNA_F
 ClientSampleId :
 155-348-281

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.0	12.6	19.0

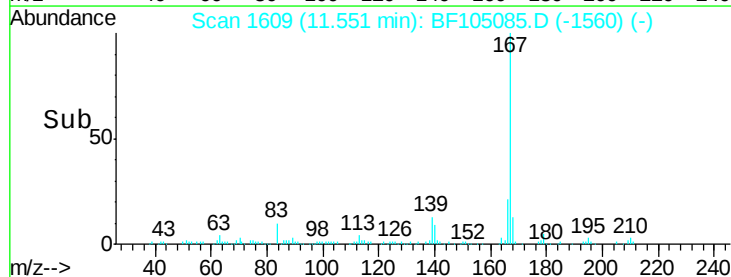
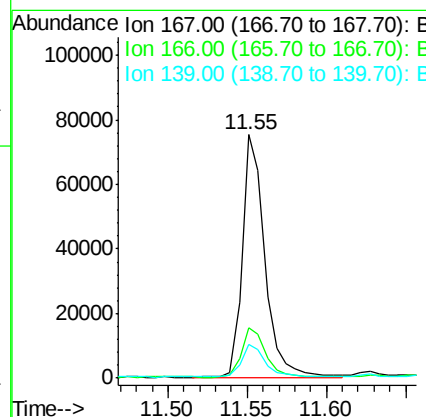
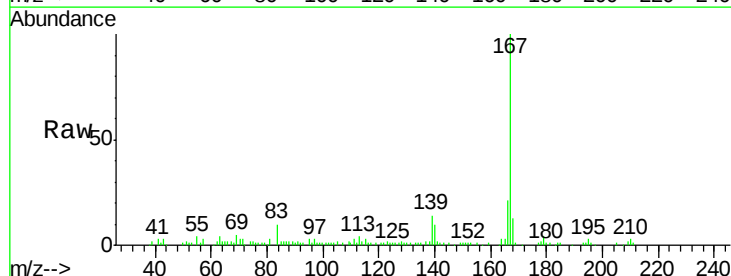
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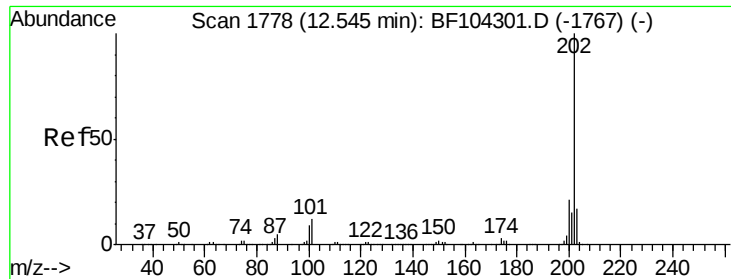
Sohil
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#72
 Carbazole
 Concen: 3.804 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF105085.D
 Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.6	26.4
139	13.9	10.9	16.3





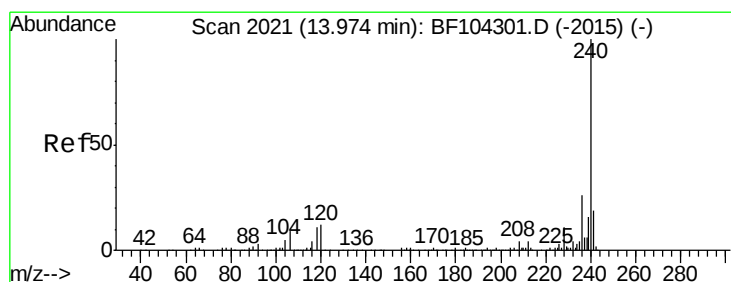
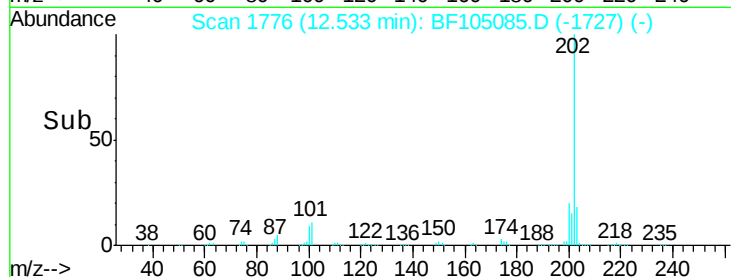
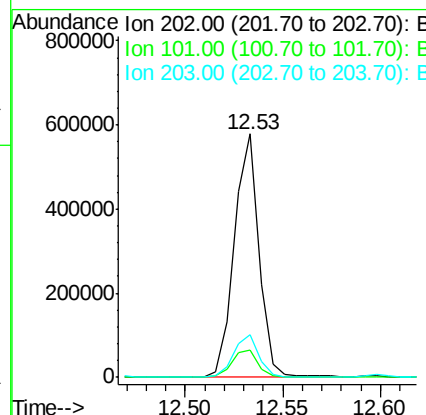
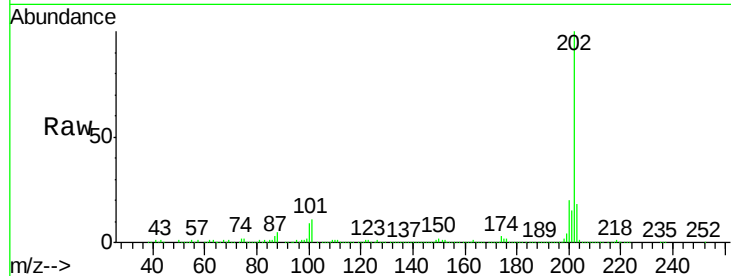
#74
Fluoranthene
Concen: 24.329 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampleId :
155-348-281

Tot Ion	Ratio	Resp	Lower	Upper
202	100	506831		
101	11.3	0.0	34.1	
203	17.8	0.0	38.1	

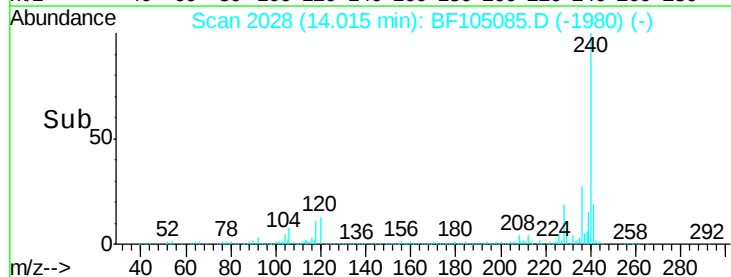
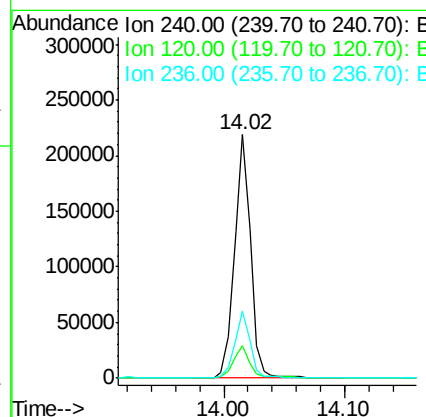
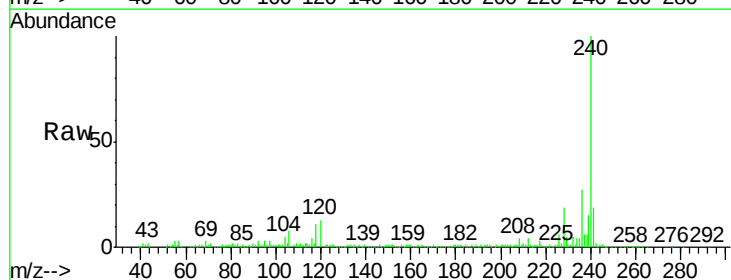
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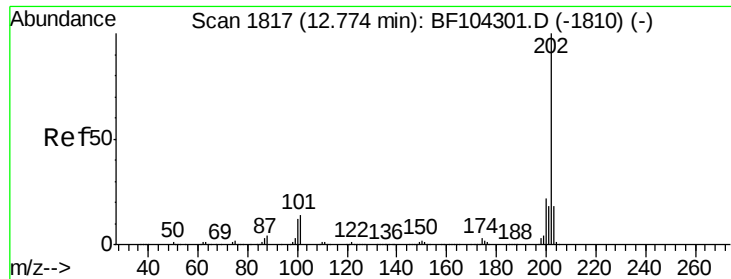
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	203075		
120	13.2	9.5	14.3	
236	27.5	20.7	31.1	





#77

Pvrene

Concen: 26.532 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Instrument :

BNA_F

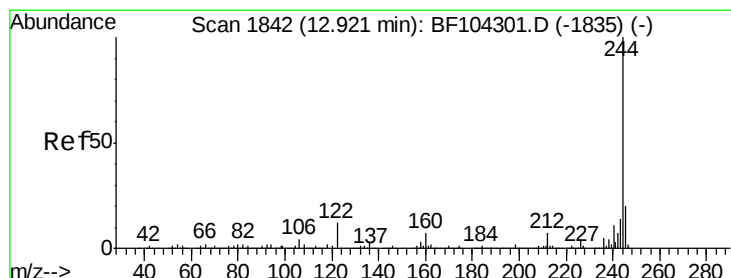
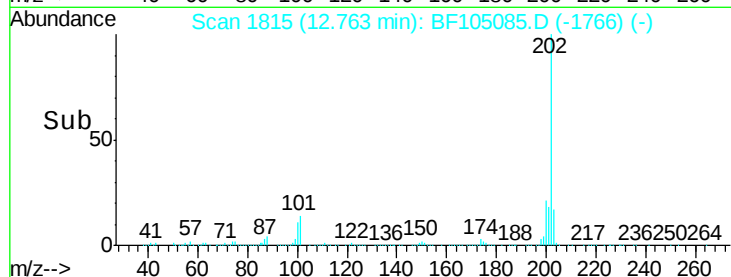
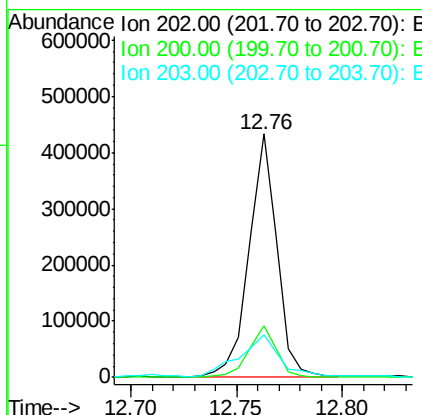
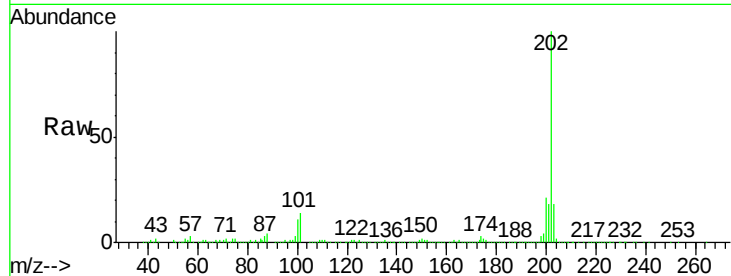
ClientSampled :

155-348-281

Tot Ion:	202	Resp:	399371
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 88.958 ng

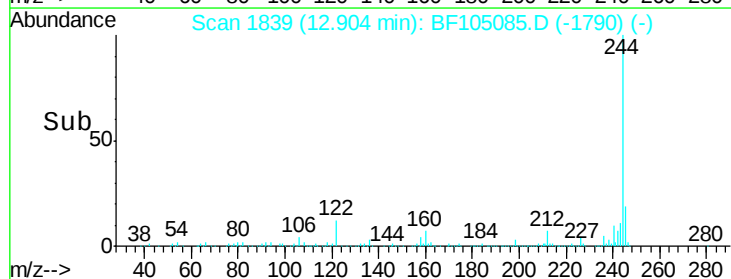
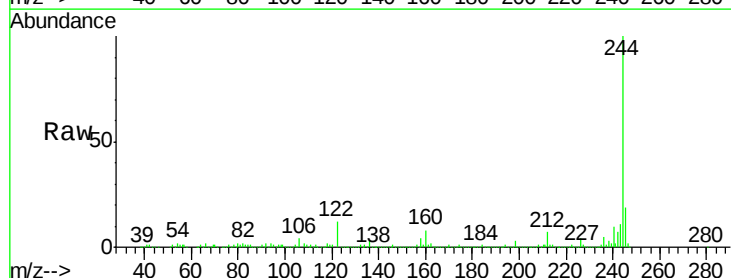
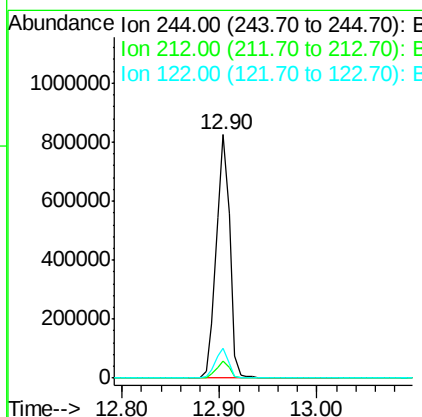
RT: 12.90 min Scan# 1839

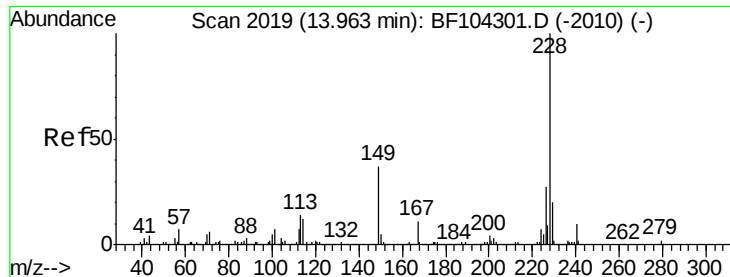
Delta R.T. -0.01 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Tgt Ion:	244	Resp:	792394
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	12.1	11.0	16.4





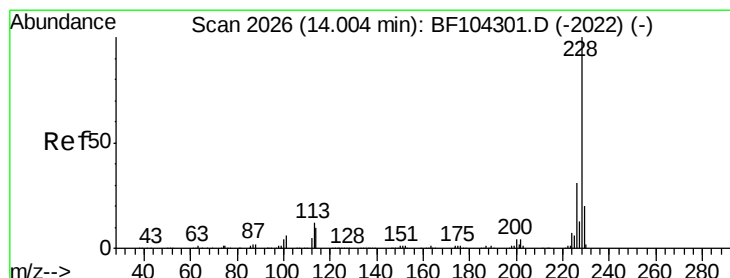
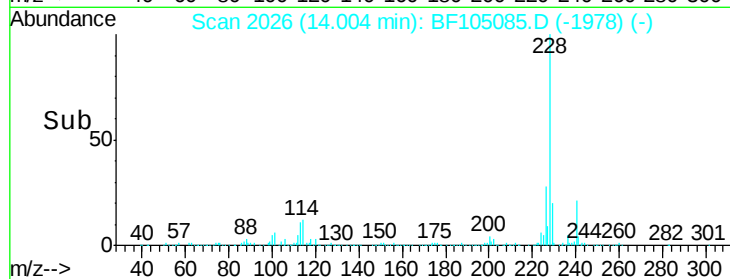
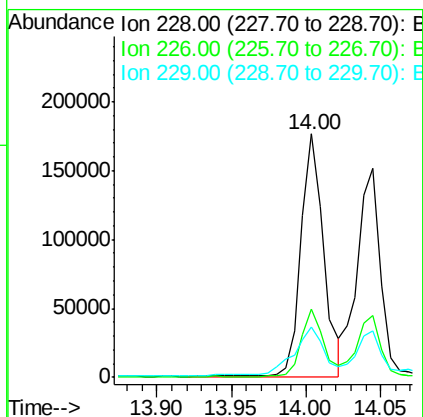
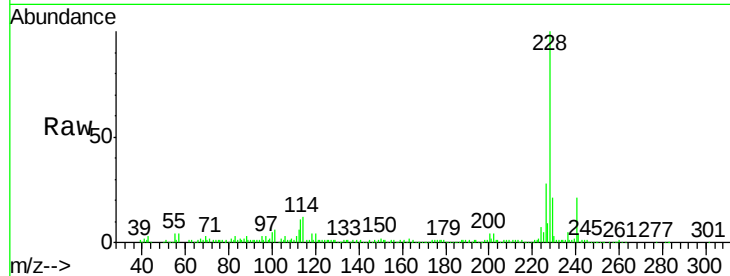
#80
Benzo(a)anthracene
Concen: 15.479 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampleId :
155-348-281

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.8	15.8	23.6

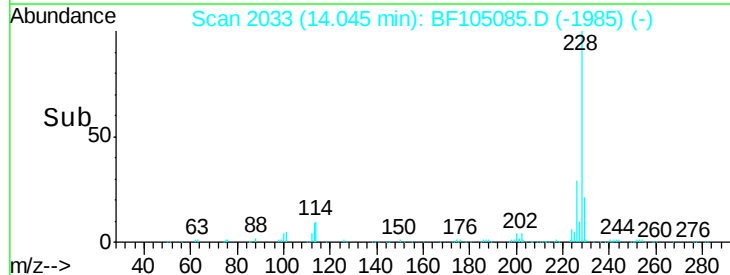
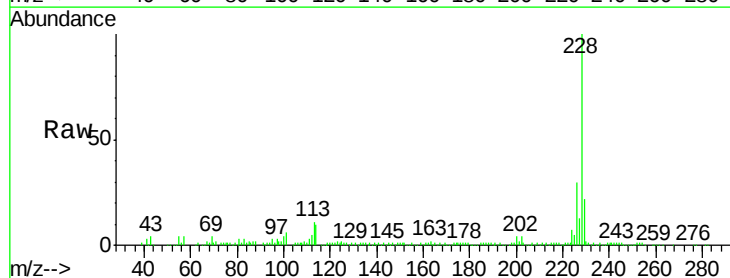
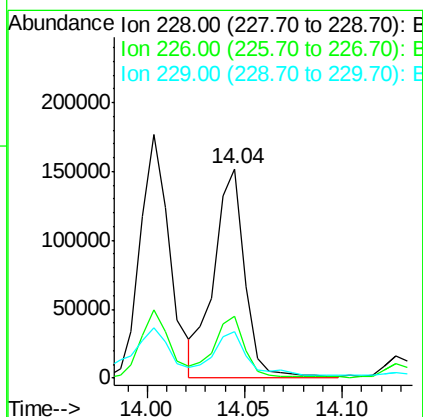
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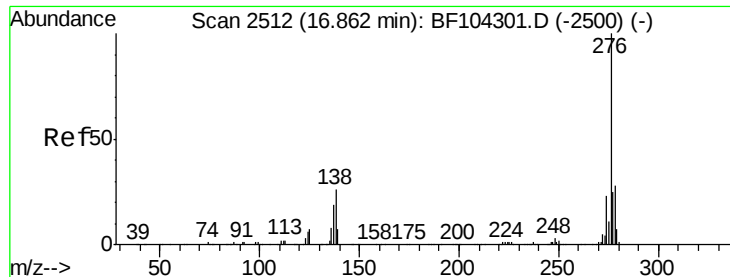
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#82
Chrysene
Concen: 13.362 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.1	16.2	24.4





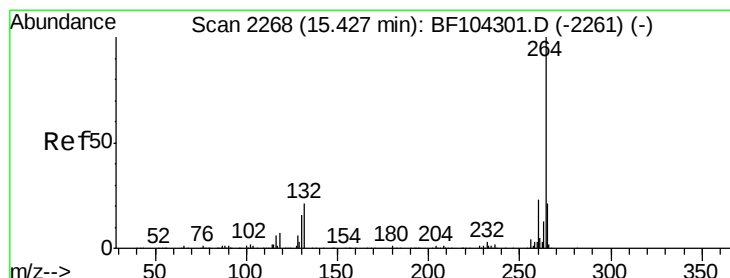
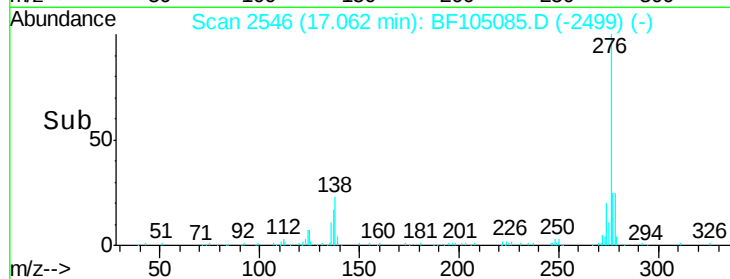
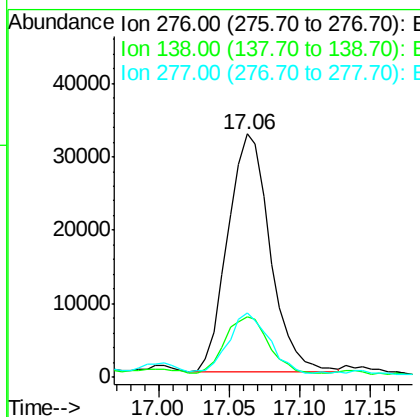
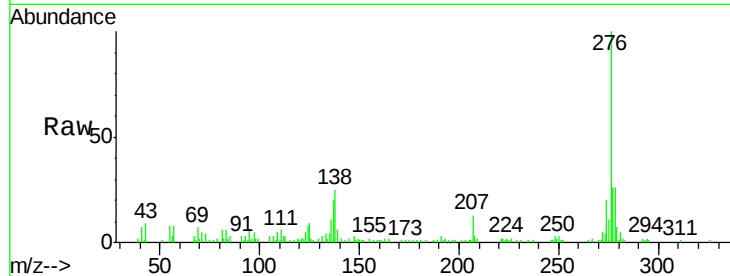
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.435 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Instrument :
BNA_F
ClientSampleId :
155-348-281

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.0	37.6#
277	24.4	20.1	30.1

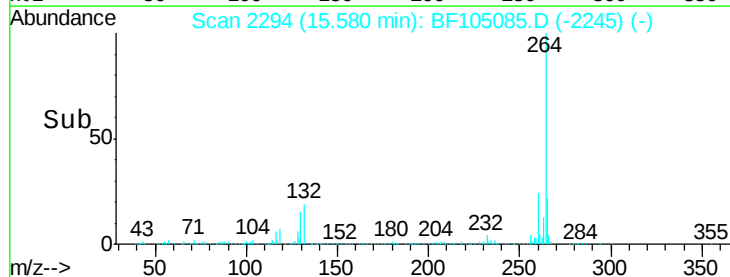
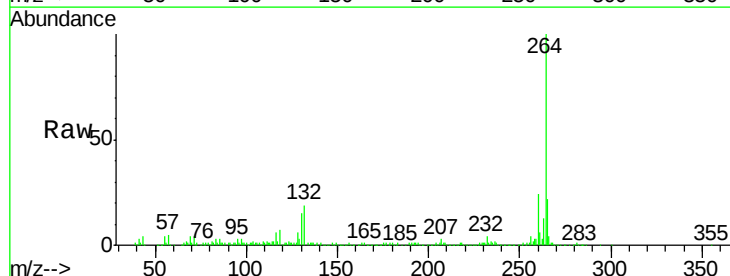
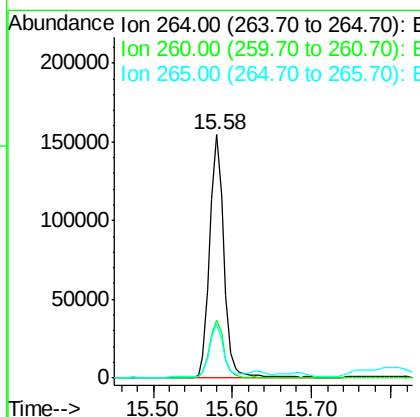
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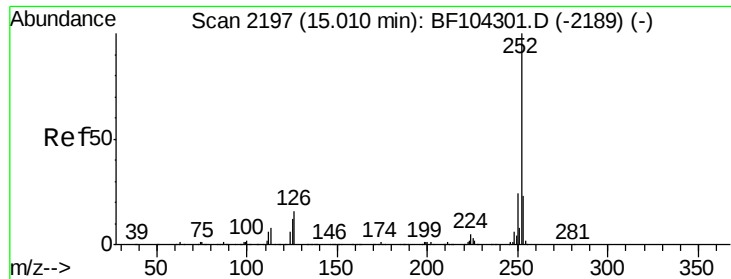
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF105085.D
Acq: 3 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.459 ng m

RT: 15.14 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Instrument :

BNA_F

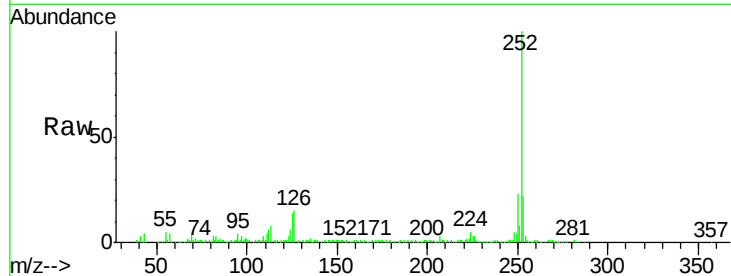
ClientSampleId :

155-348-281

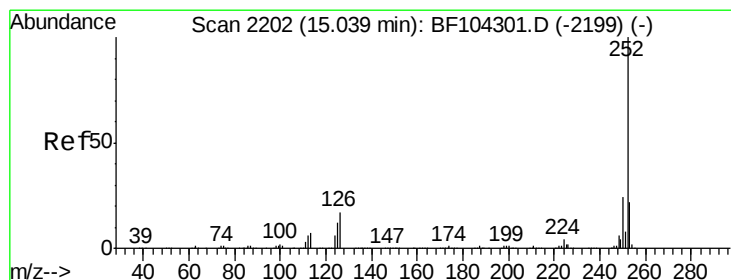
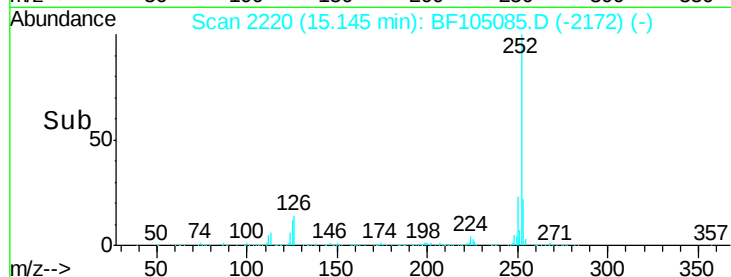
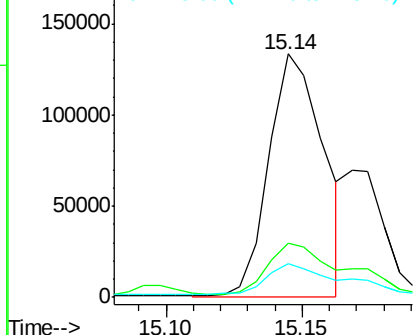
Tot Ion:	252	Resp:	187558
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	13.6	9.0	13.6

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



#88

Benzo(k)fluoranthene

Concen: 6.416 ng m

RT: 15.17 min Scan# 2224

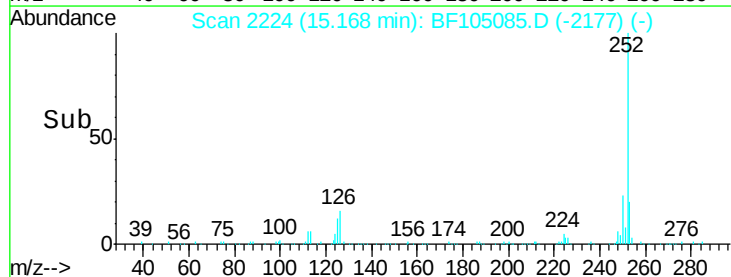
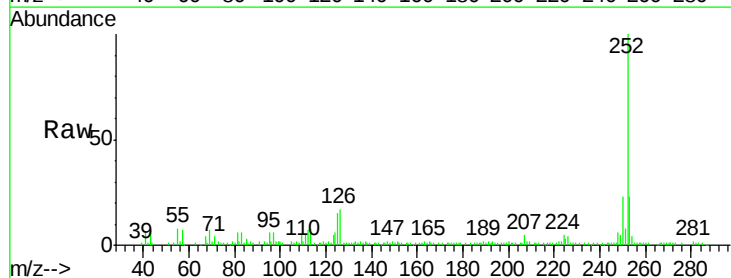
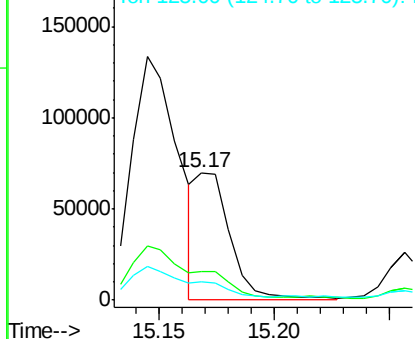
Delta R.T. -0.02 min

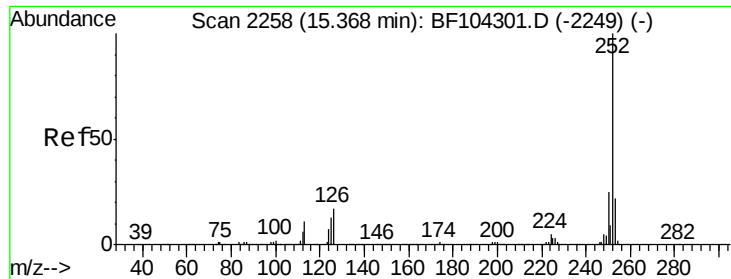
Lab File: BF105085.D

Acq: 3 May 2018 20:58

Tgt Ion:	252	Resp:	73493
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	14.7	10.2	15.2

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





#89

Benzo(a)pyrene

Concen: 12.491 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.02 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Instrument :

BNA_F

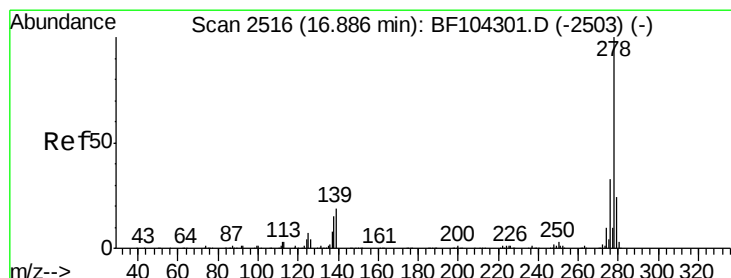
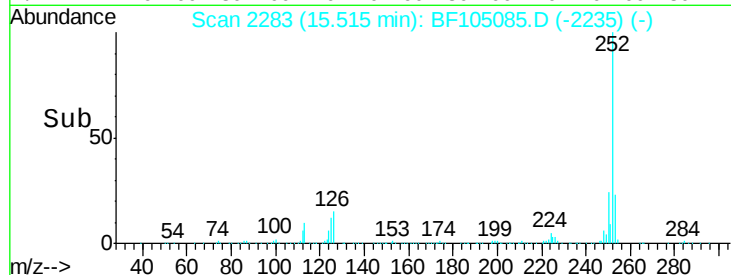
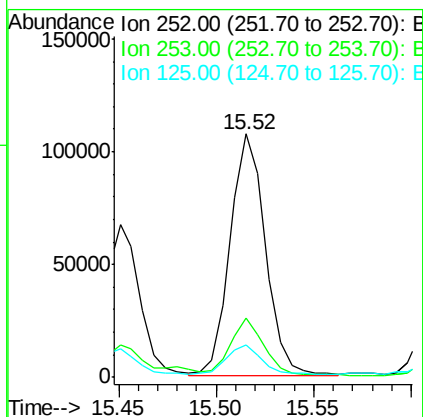
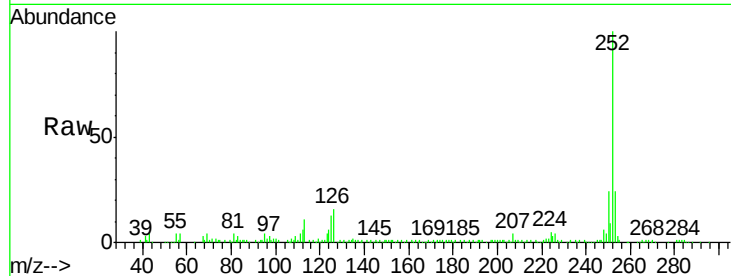
ClientSampleId :

155-348-281

Tot Ion:	252	Resp:	135602
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	13.1	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 2.106 ng

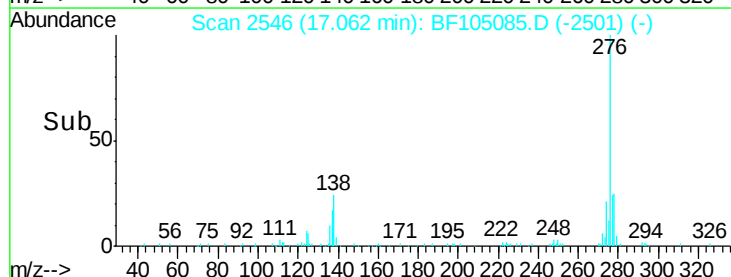
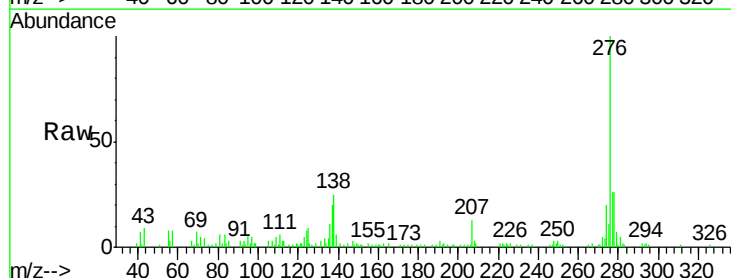
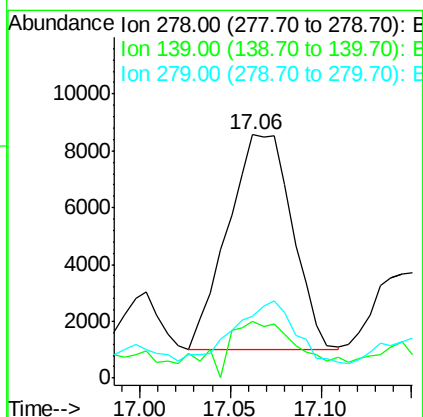
RT: 17.06 min Scan# 2546

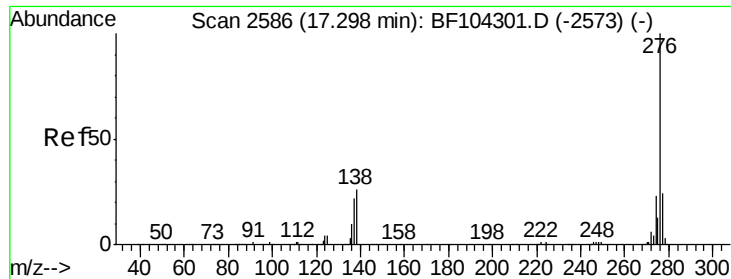
Delta R.T. -0.04 min

Lab File: BF105085.D

Acq: 3 May 2018 20:58

Tgt Ion:	278	Resp:	18779
Ion Ratio	Lower	Upper	
278	100		
139	23.2	15.9	23.9
279	25.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.091 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: BF105085.D
 Acq: 3 May 2018 20:58

Instrument :
 BNA_F
 ClientSampleId :
 155-348-281

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	26.4	21.8	32.8

Manual Integrations
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