

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104564.D
 Acq On : 17 Apr 2018 16:38
 Operator : JU/SJ
 Sample : J2407-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-D

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:33 PM

Quant Time: Apr 17 18:16:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	151028	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	602562	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	232073	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	406040	20.00	ng	0.00
75) Chrysene-d12	13.97	240	301559	20.00	ng	0.00
86) Perylene-d12	15.44	264	324710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	369514	37.41	ng	0.00
7) Phenol-d6	6.43	99	453184	37.34	ng	-0.01
23) Nitrobenzene-d5	7.36	82	265857	28.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	95348	39.61	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	451538	30.74	ng	0.00
78) Terphenyl-d14	12.92	244	319956	24.19	ng	0.00
Target Compounds						
22) Acetophenone	7.21	105	53756	3.624	ng	Qvalue # 92
49) Dimethylphthalate	9.56	163	38298	2.093	ng	99
51) Acenaphthene	9.87	154	37101	2.517	ng	99
57) Fluorene	10.39	166	41782	2.794	ng	96
70) Phenanthrene	11.36	178	385057	17.029	ng	99
71) Anthracene	11.40	178	111714	4.860	ng	98
72) Carbazole	11.56	167	47991	2.137	ng	98
74) Fluoranthene	12.55	202	536363	22.703	ng	98
77) Pyrene	12.77	202	480153	21.481	ng	99
80) Benzo(a)anthracene	13.97	228	251591	13.965	ng	96
82) Chrysene	14.00	228	252156	13.627	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	134274m	8.542	ng	
87) Benzo(b)fluoranthene	15.02	252	351941m	17.161	ng	
88) Benzo(k)fluoranthene	15.04	252	123060m	6.356	ng	
89) Benzo(a)pyrene	15.38	252	227382	12.392	ng	96
90) Dibenzo(a,h)anthracene	16.90	278	33371	2.214	ng	# 88
91) Benzo(a,h,i)perylene	17.33	276	112997	7.739	ng	97

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

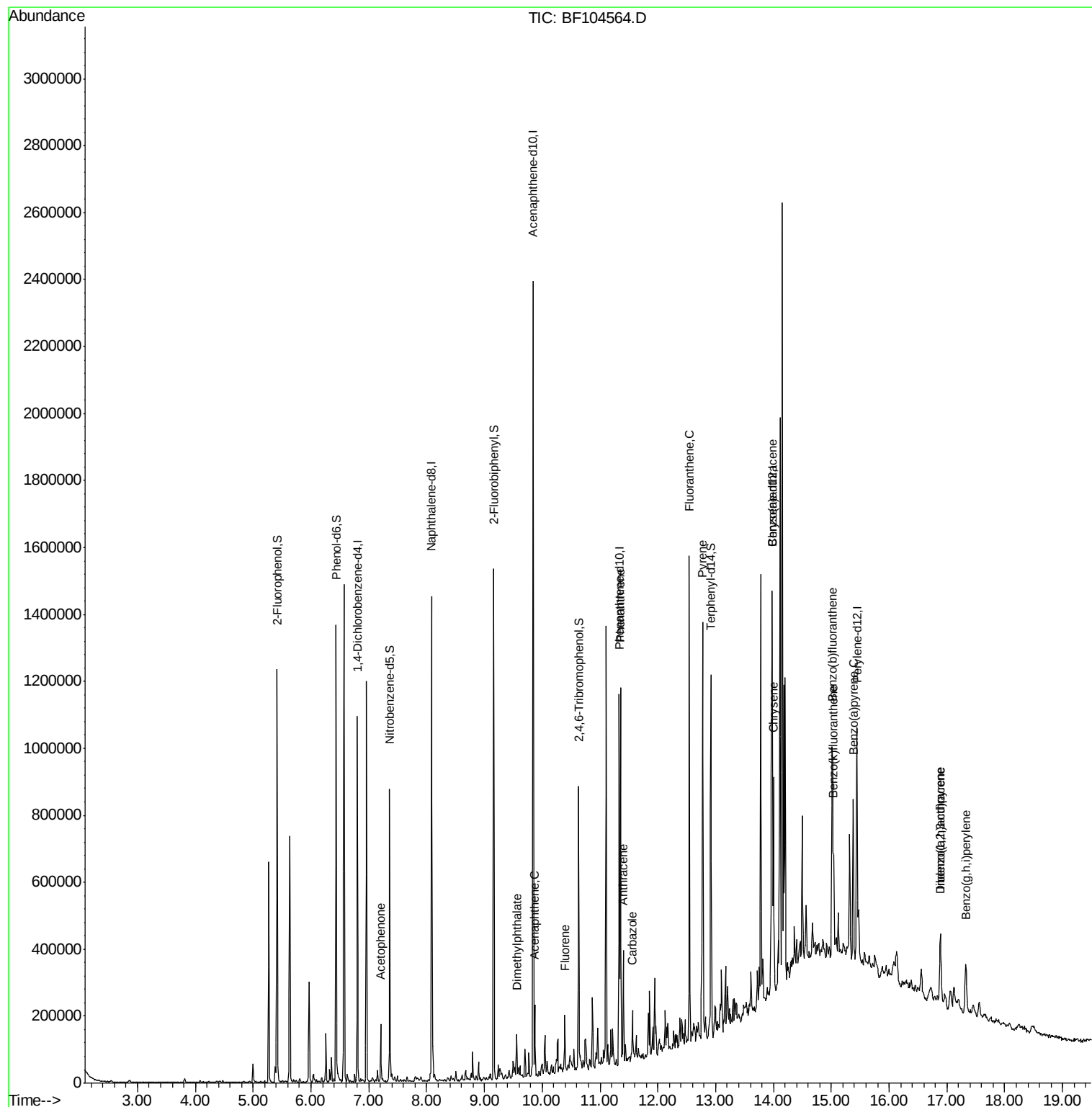
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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ALS Vial : 5 Sample Multiplier: 1

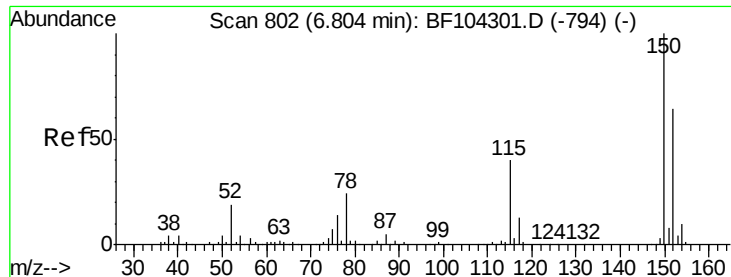
Instrument :
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#1

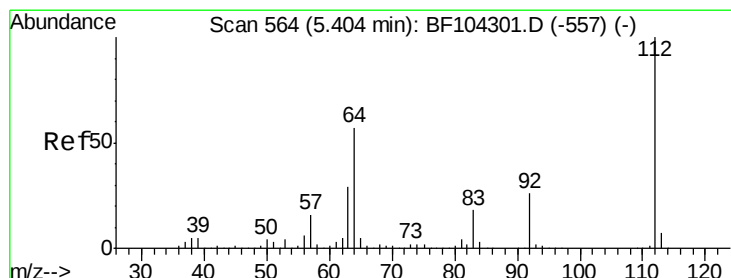
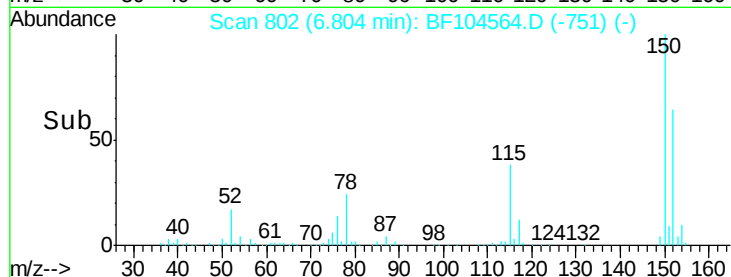
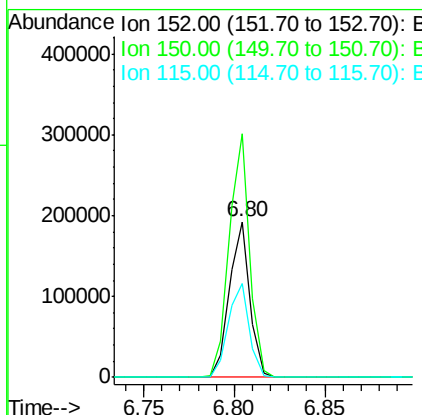
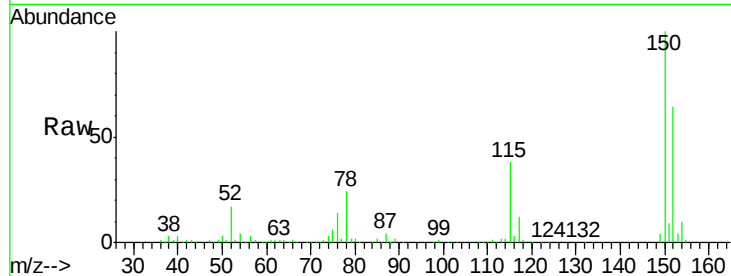
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	60.0	50.1	75.1

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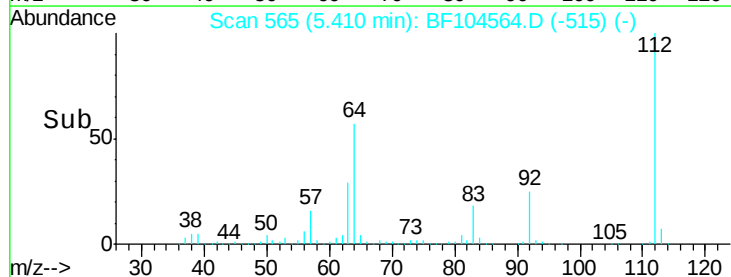
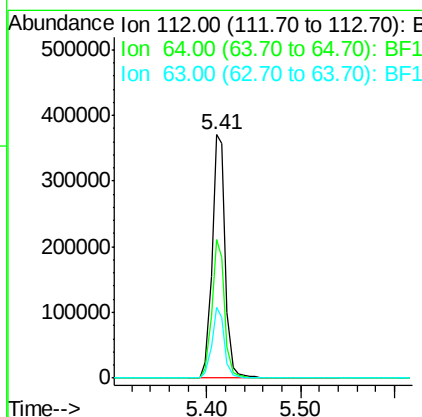
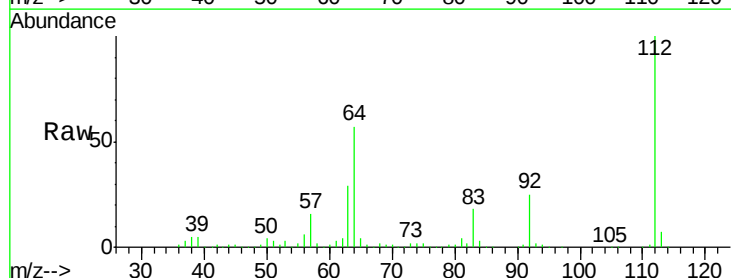
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#5

2-Fluorophenol
Concen: 37.411 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 37.342 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

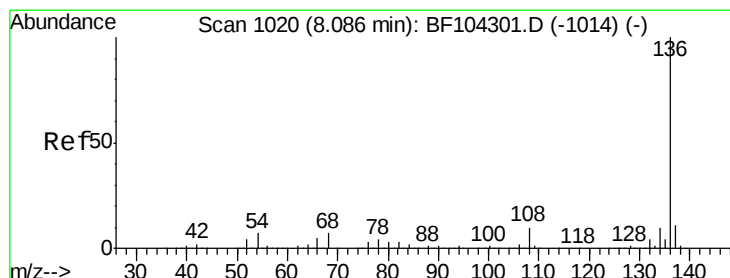
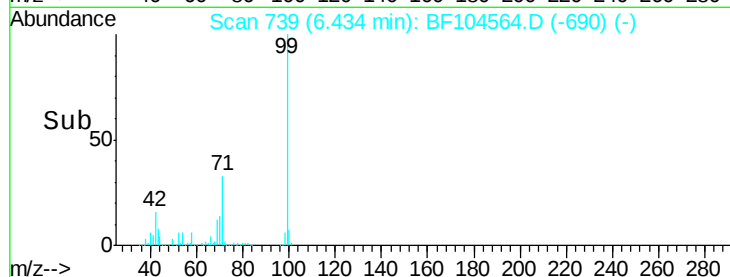
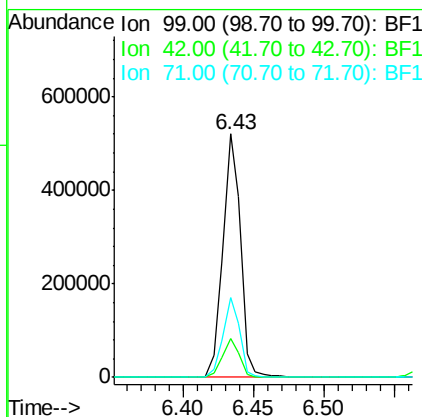
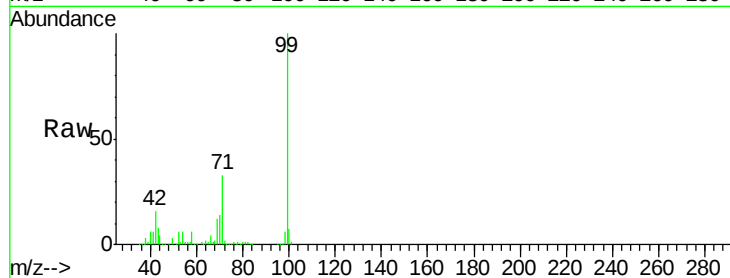
ClientSampleId :

SPOILS-ICTF-D

Tot Ion:	99	Resp:	453184
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

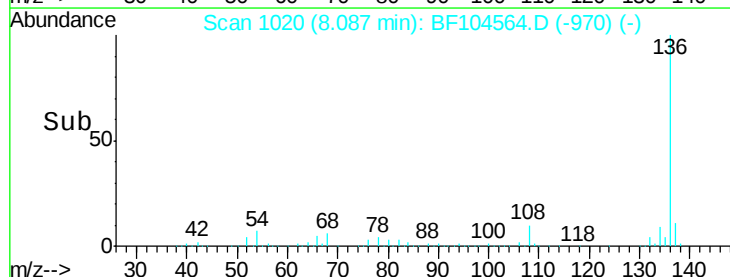
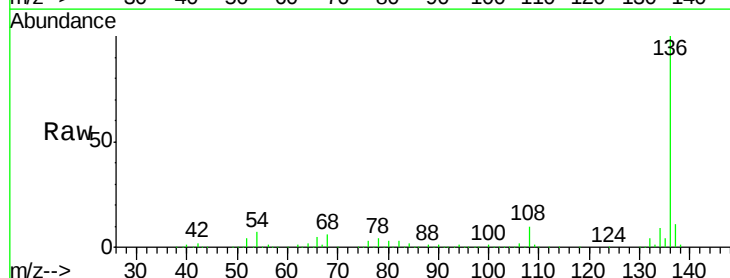
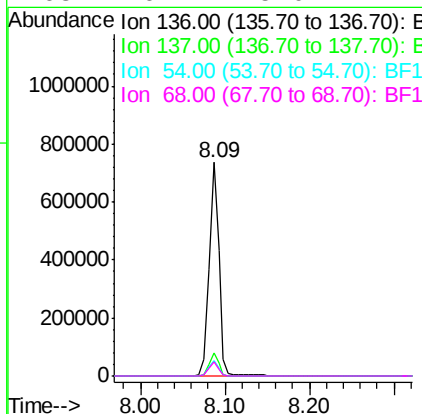
RT: 8.09 min Scan# 1020

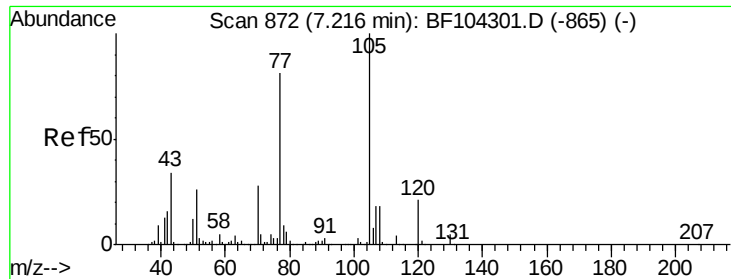
Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Tgt Ion:	136	Resp:	602562
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.1	6.6	9.8
68	6.4	5.0	7.4





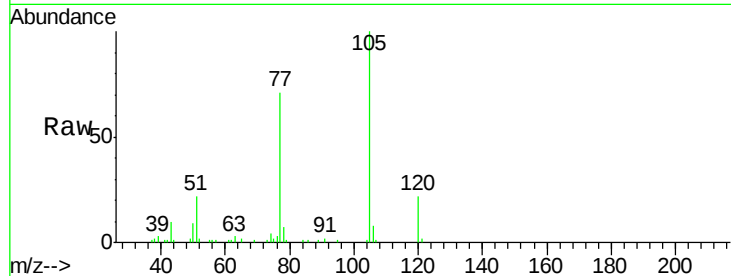
#22
Acetophenone
Concen: 3.624 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	22.3	22.3	33.5#
120	22.0	16.9	25.3

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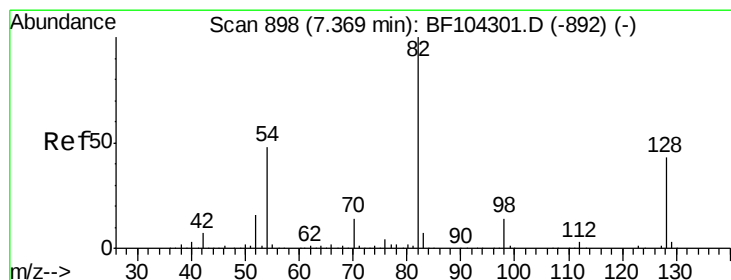
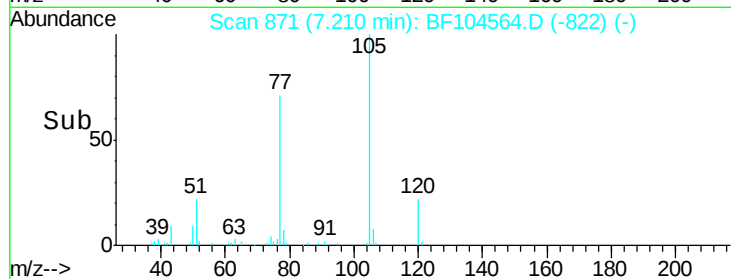
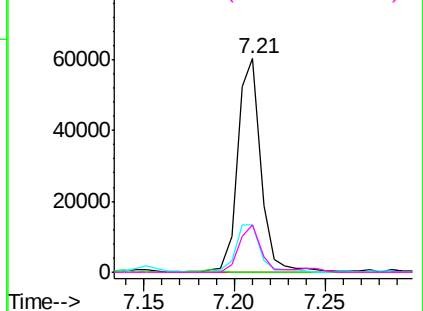


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

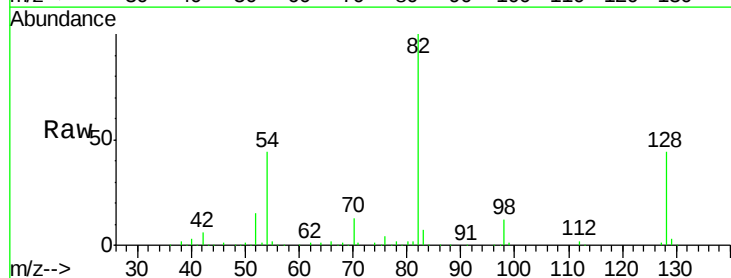
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23
Nitrobenzene-d5
Concen: 28.810 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

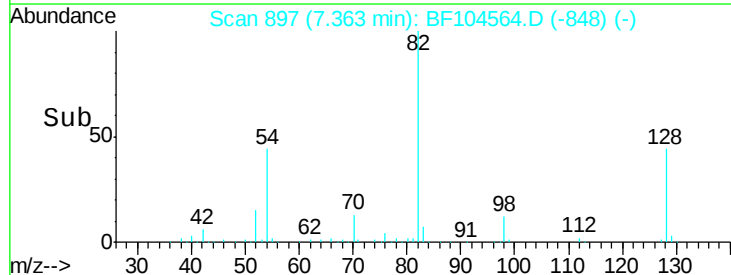
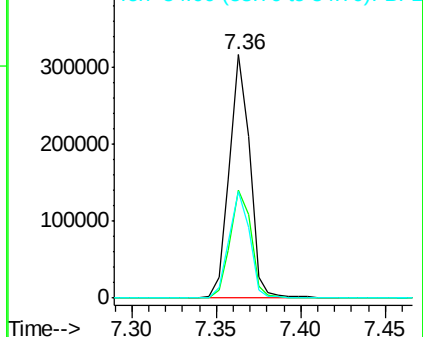
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	44.0	41.4	62.2

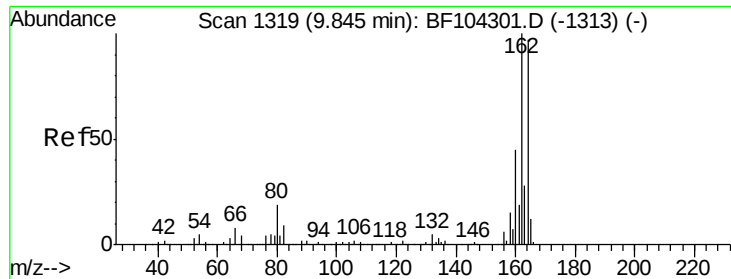


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampleId :

SPOILS-ICTF-D

Tot Ion:164 Resp: 232073

Ion Ratio Lower Upper

164 100

162 107.4 86.1 129.1

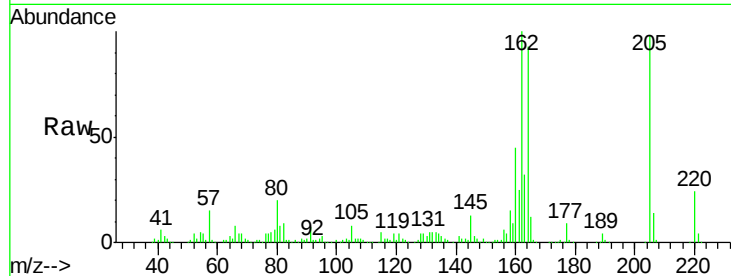
160 47.8 38.3 57.5

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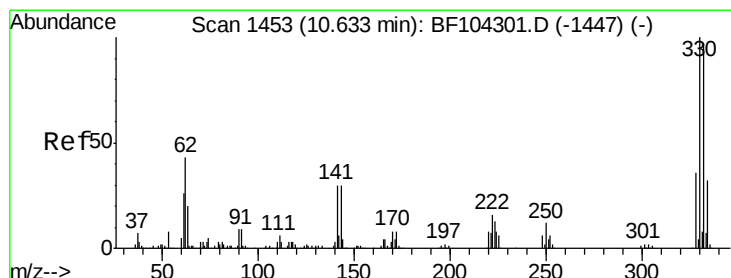
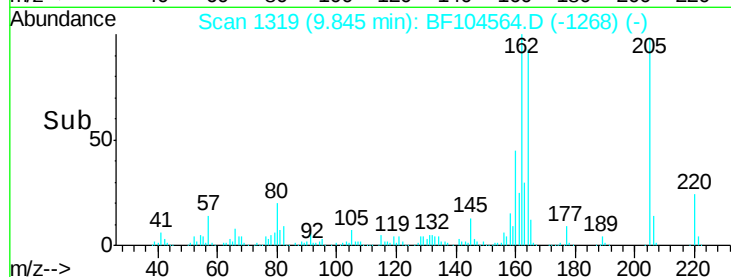
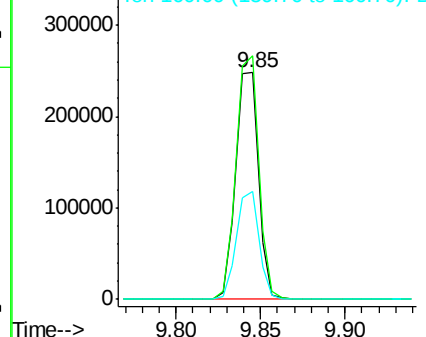
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 39.607 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

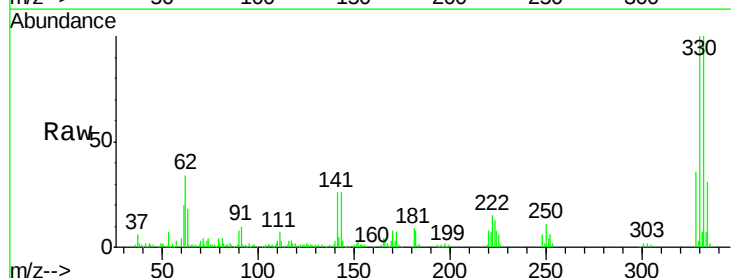
Tgt Ion:330 Resp: 95348

Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.6

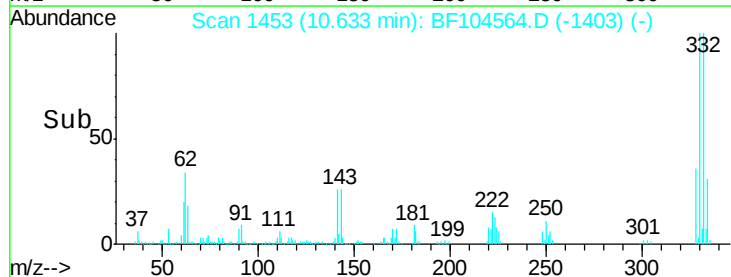
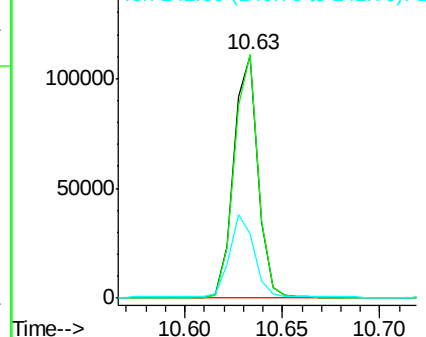
141 35.2 29.9 44.9

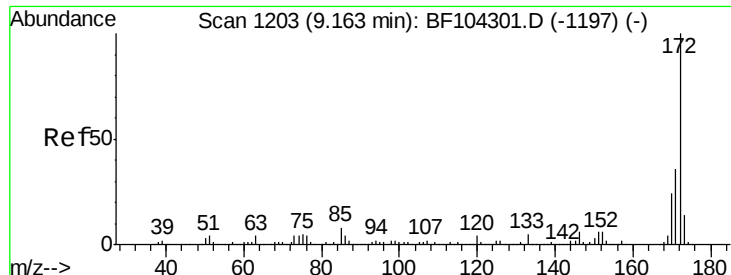


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





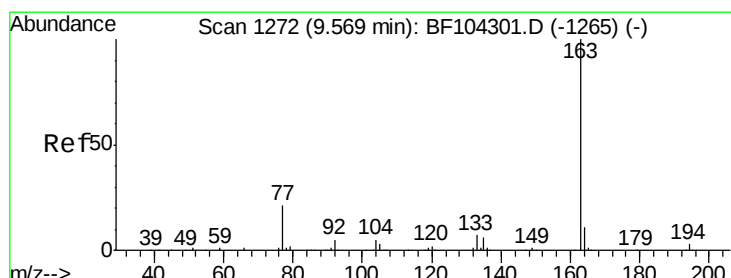
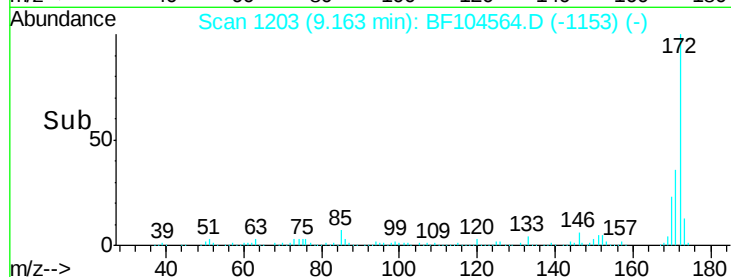
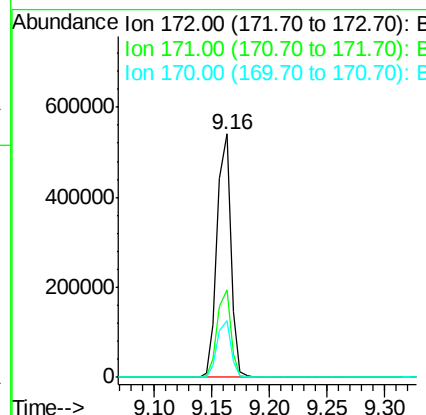
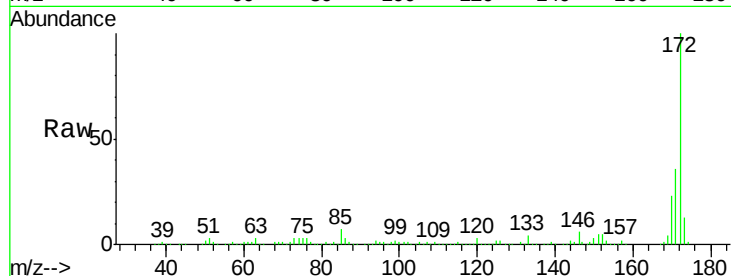
#44
2-Fluorobiphenyl
Concen: 30.737 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.4	19.6	29.4

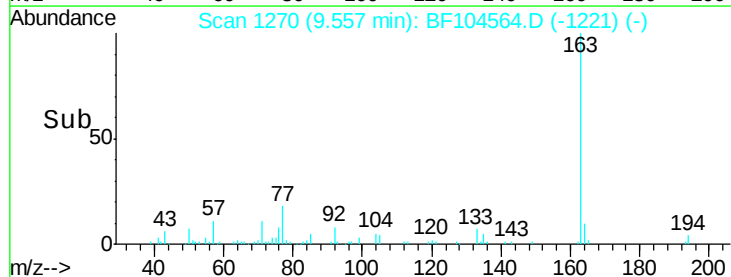
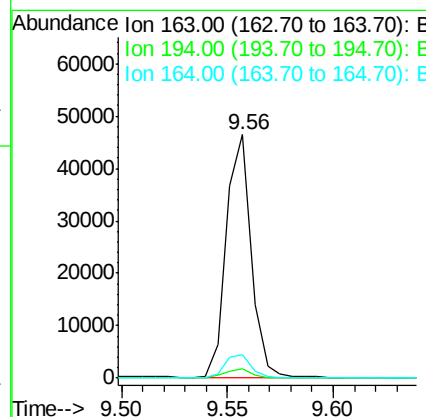
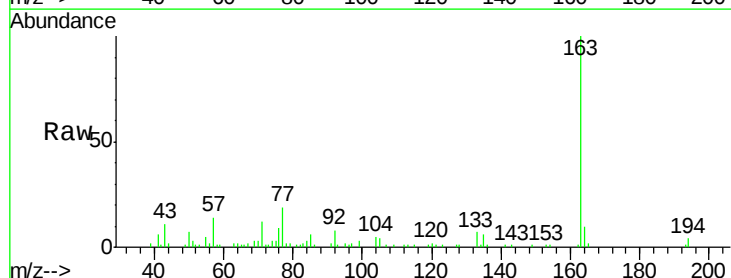
Manual Integrations
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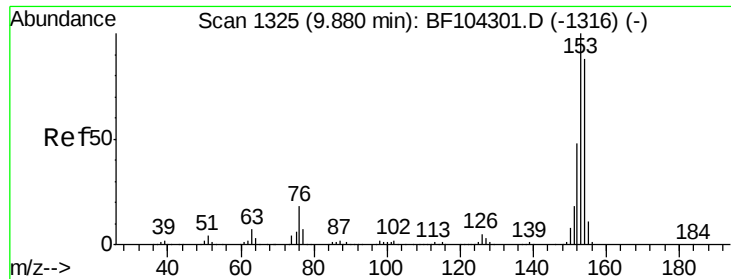
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#49
Dimethylphthalate
Concen: 2.093 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.9	8.2	12.2





#51

Acenaphthene

Concen: 2.517 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

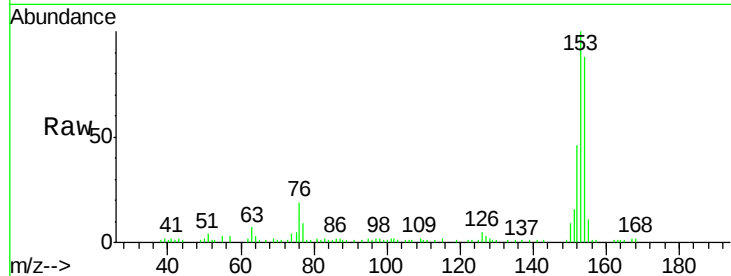
ClientSampleId :

SPOILS-ICTF-D

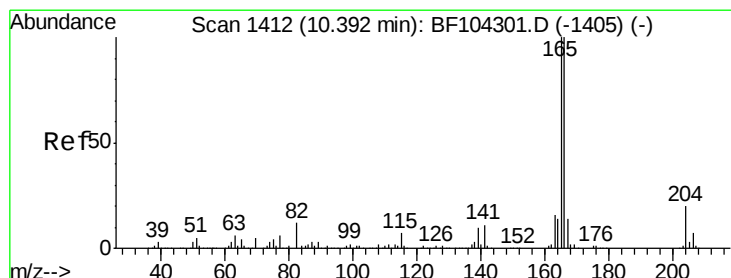
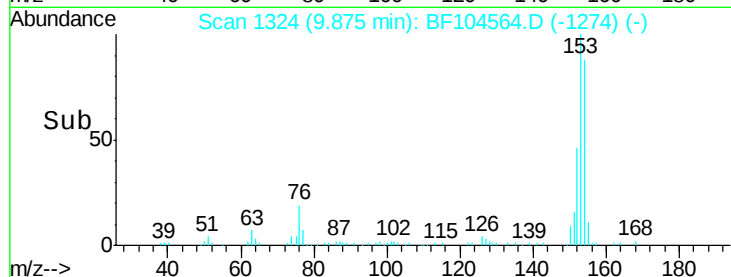
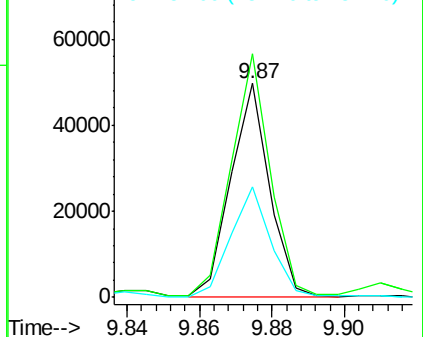
Tot Ion:	154	Resp:	37101
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	51.8	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.794 ng

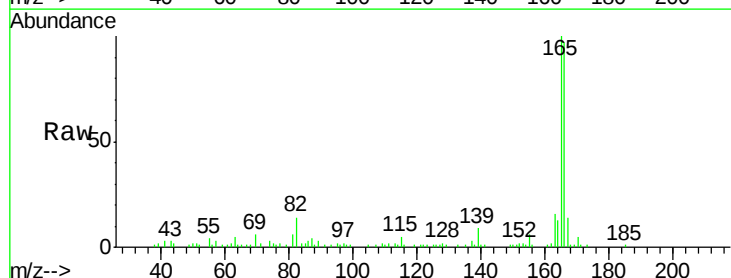
RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

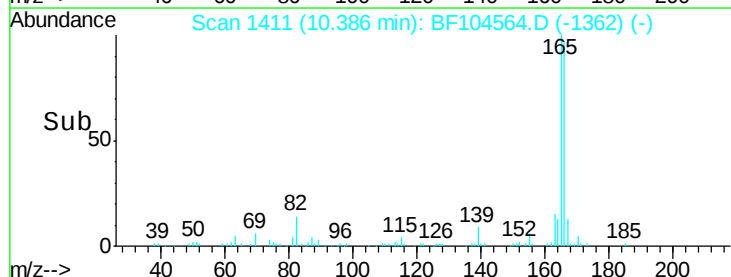
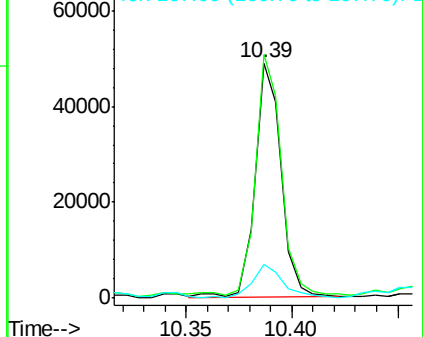
Lab File: BF104564.D

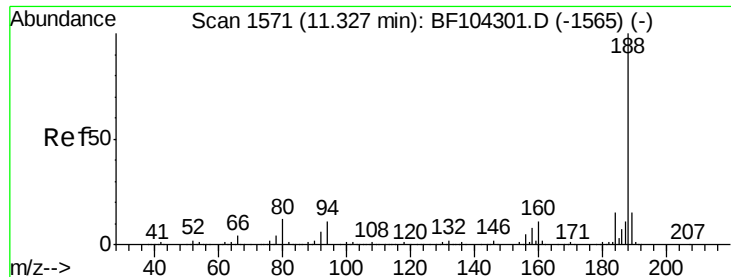
Acq: 17 Apr 2018 16:38

Tgt Ion:	166	Resp:	41782
Ion Ratio	Lower	Upper	
166	100		
165	103.6	79.8	119.8
167	14.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





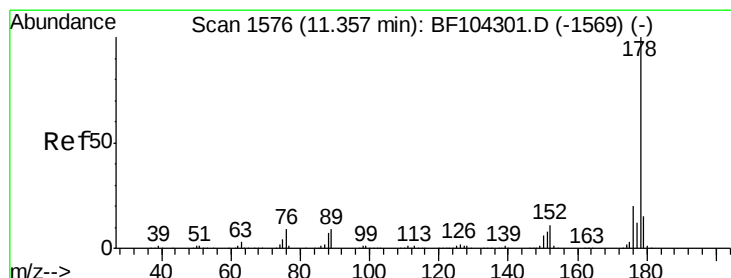
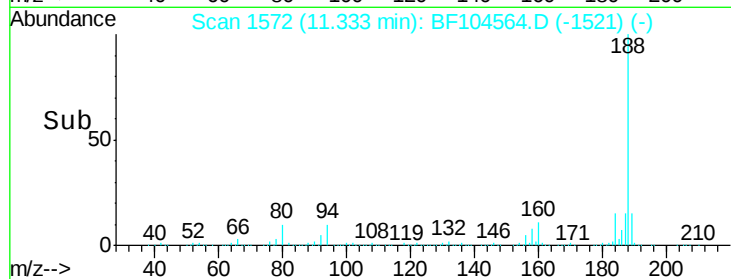
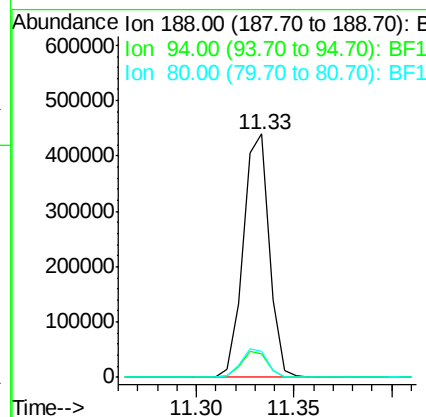
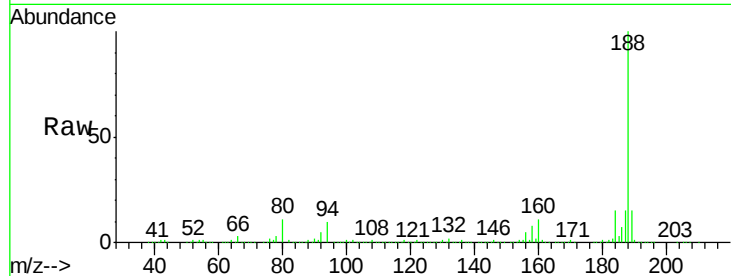
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-D

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.6	9.2	13.8

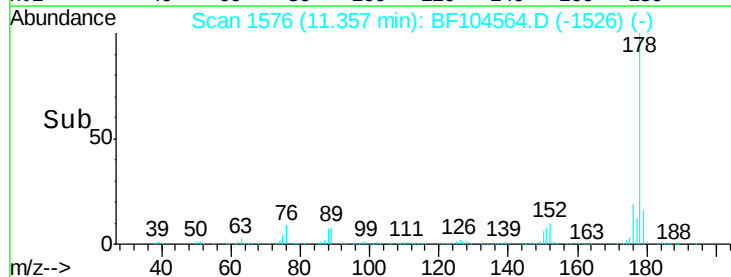
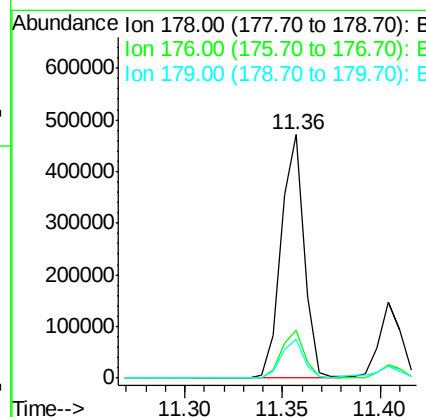
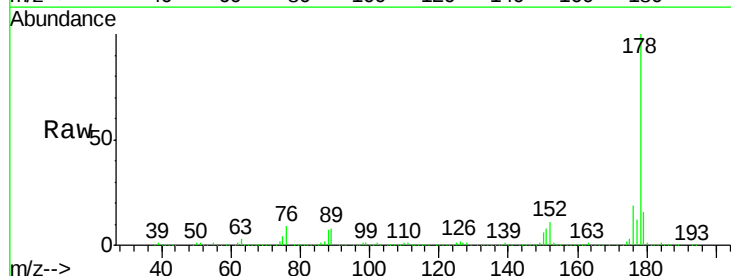
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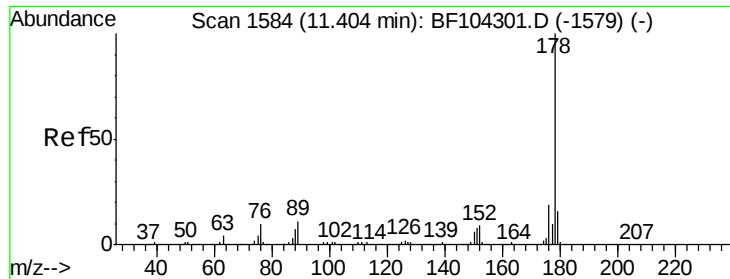
Sohil
4/18/2018 3:00:33 PM



#70
Phenanthrene
Concen: 17.029 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.9	13.0	19.6





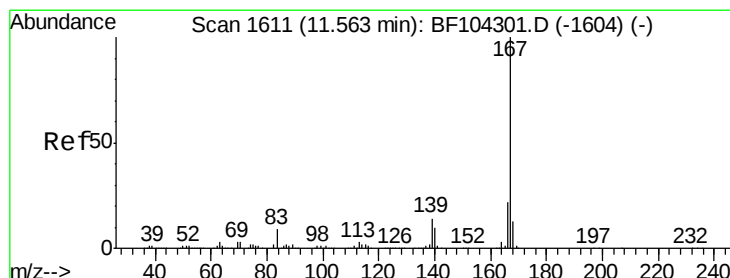
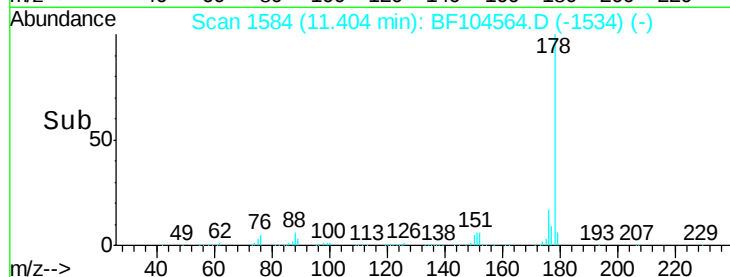
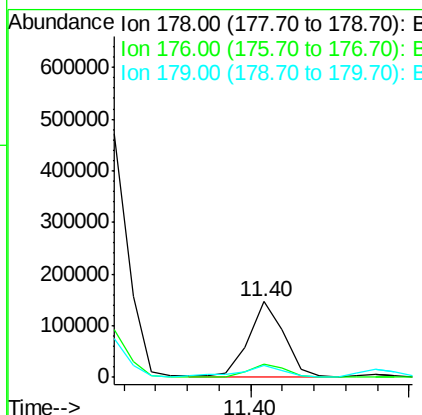
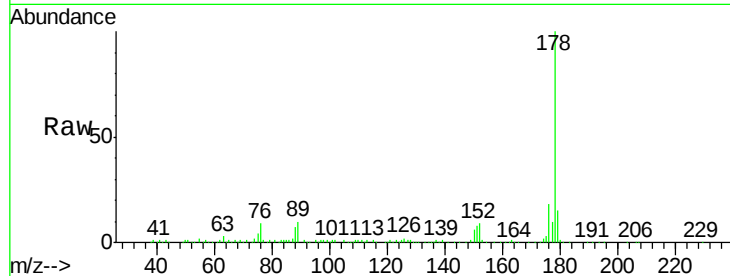
#71
 Anthracene
 Concen: 4.860 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.1	12.6	19.0

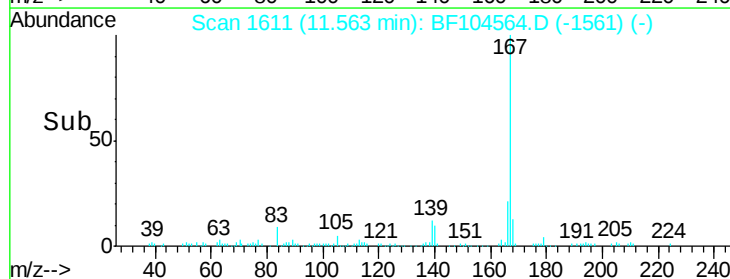
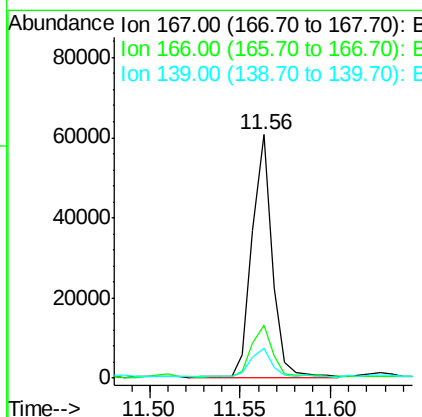
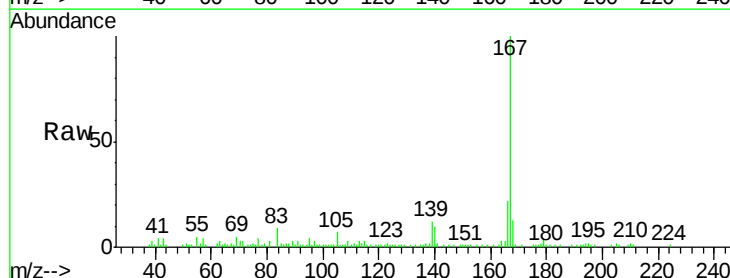
Manual Integrations
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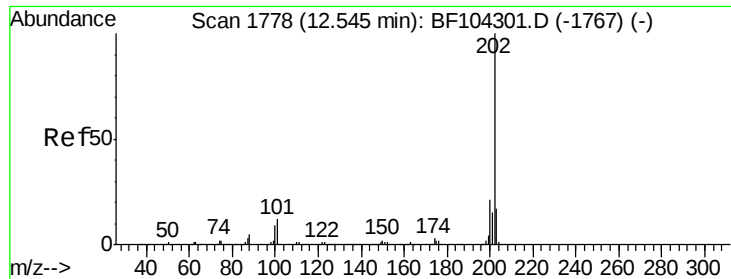
Sohil
 4/18/2018 3:00:33 PM



#72
 Carbazole
 Concen: 2.137 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	12.0	10.9	16.3





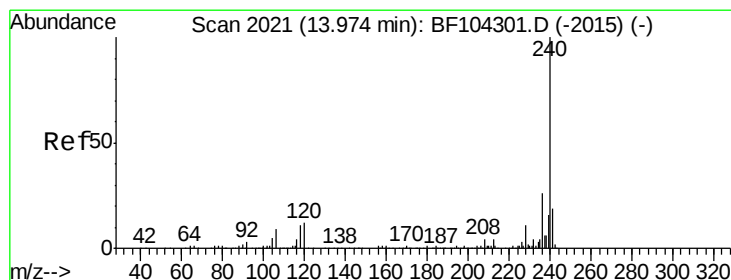
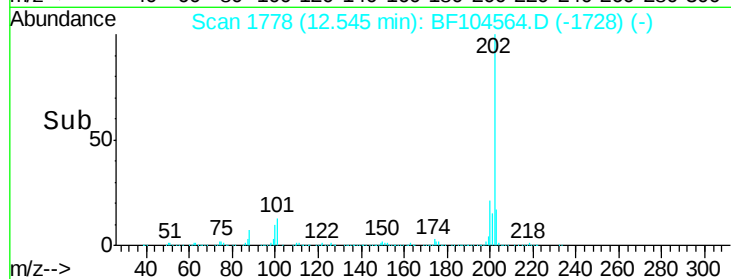
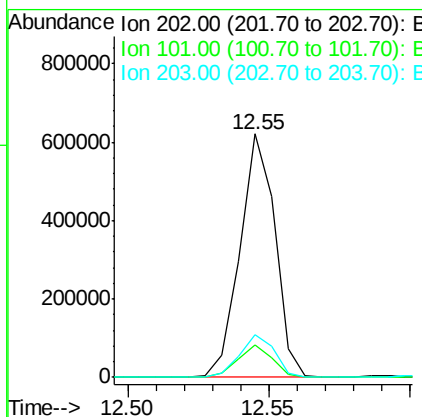
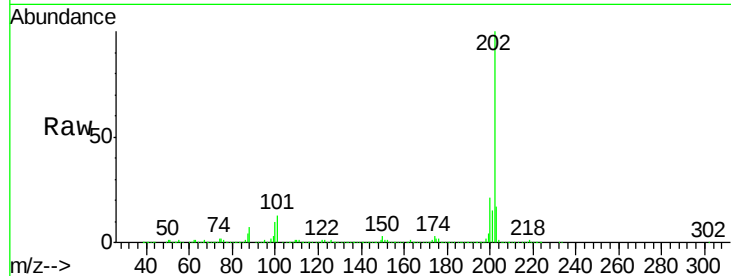
#74
 Fluoranthene
 Concen: 22.703 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-D

Tot Ion:	202	Resp:	536363
Ion Ratio		Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.4	0.0	38.1

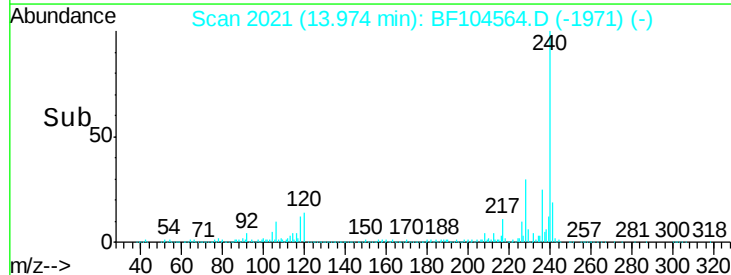
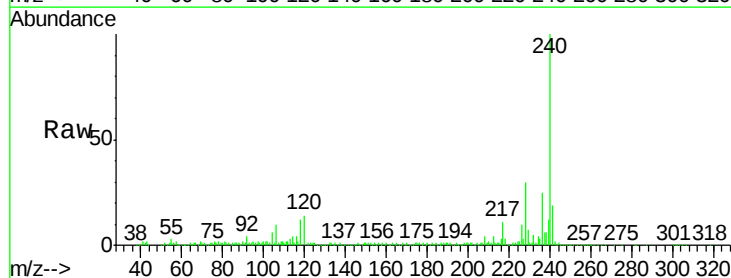
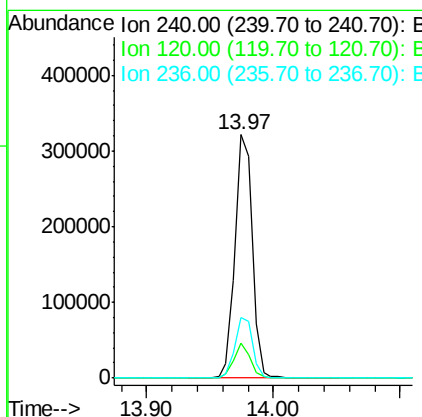
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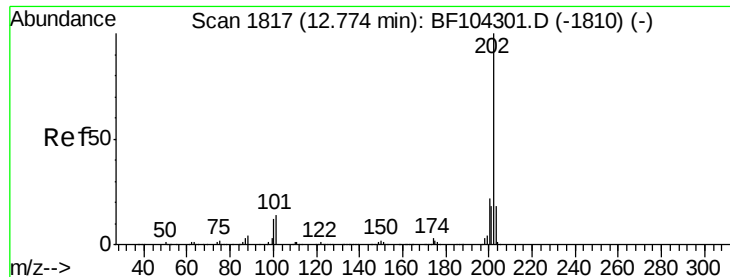
Sohil
 4/18/2018 3:00:33 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Tgt Ion:	240	Resp:	301559
Ion Ratio		Lower	Upper
240	100		
120	14.3	9.5	14.3#
236	24.9	20.7	31.1





#77

Pvrene

Concen: 21.481 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

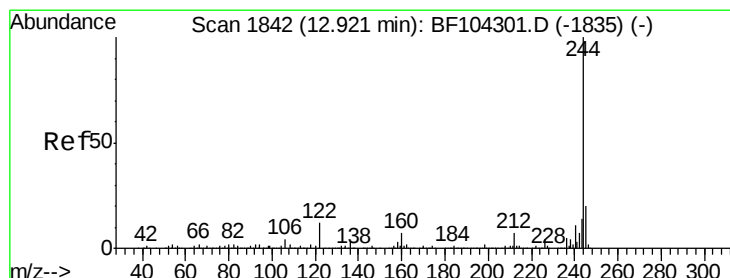
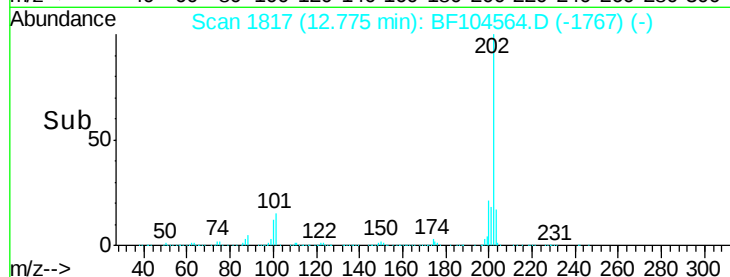
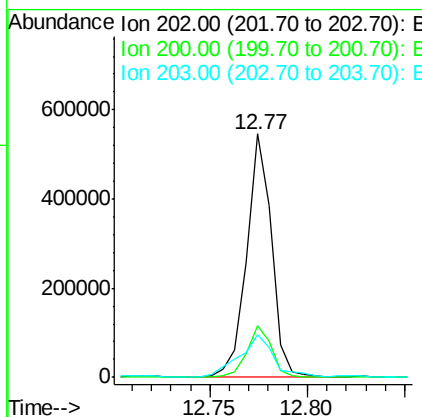
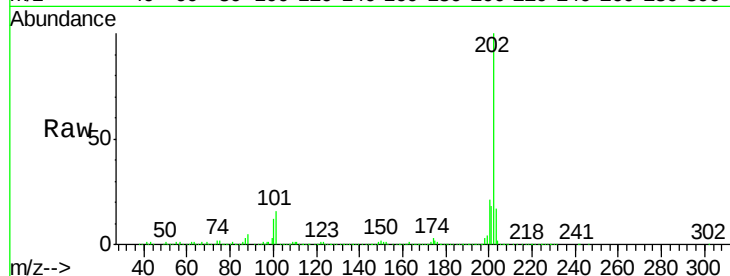
ClientSampleId :

SPOILS-ICTF-D

Tot Ion:	202	Resp:	480153
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 24.189 ng

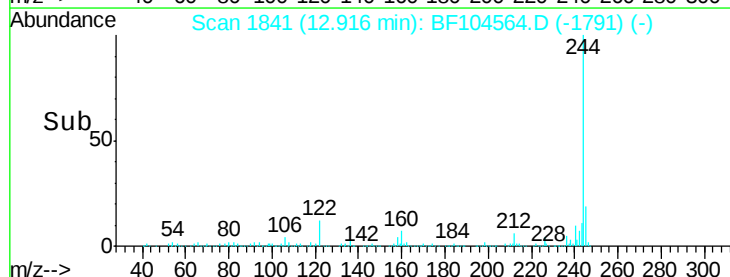
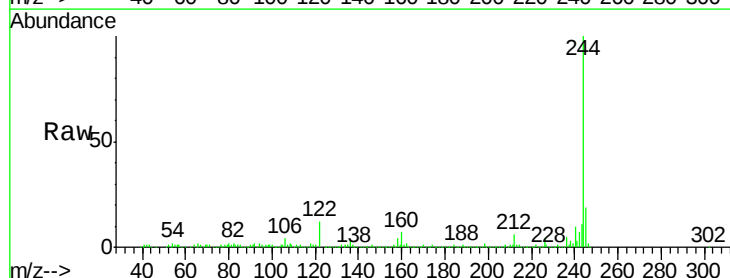
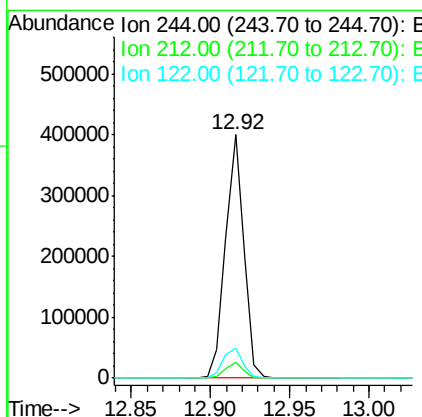
RT: 12.92 min Scan# 1841

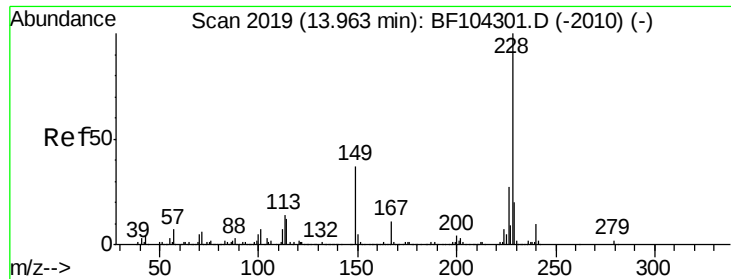
Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Tgt Ion:	244	Resp:	319956
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.2	11.0	16.4





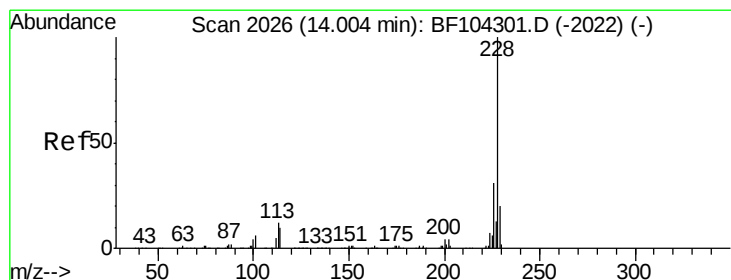
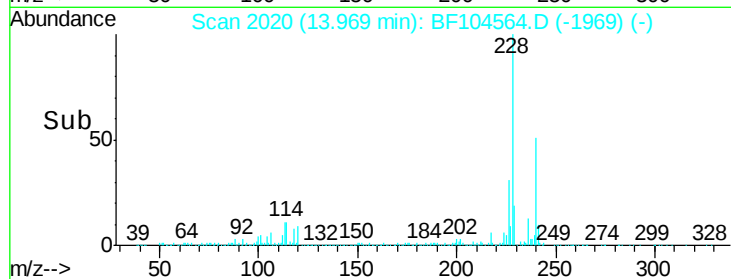
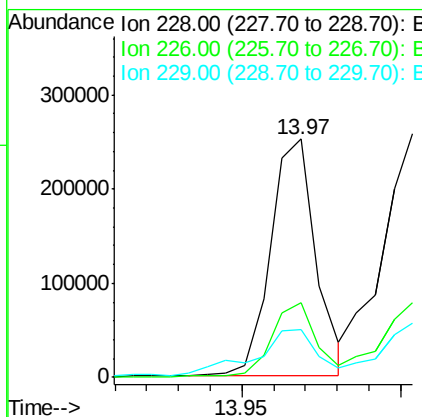
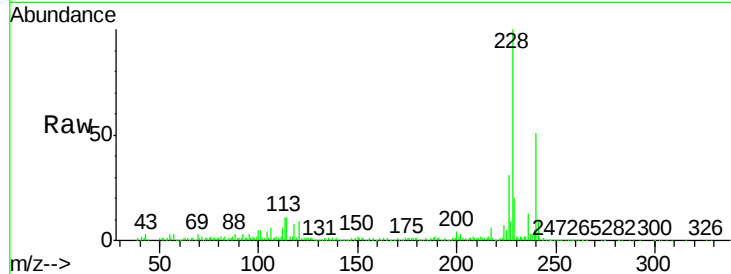
#80
Benzo(a)anthracene
Concen: 13.965 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	20.2	15.8	23.6

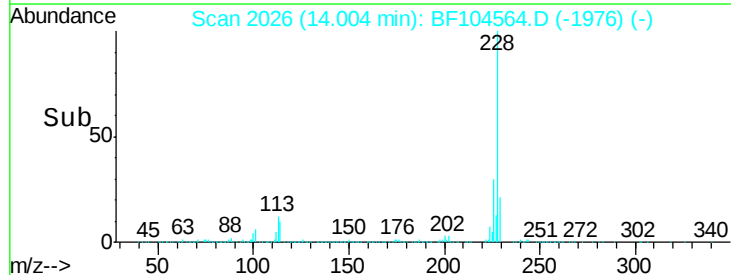
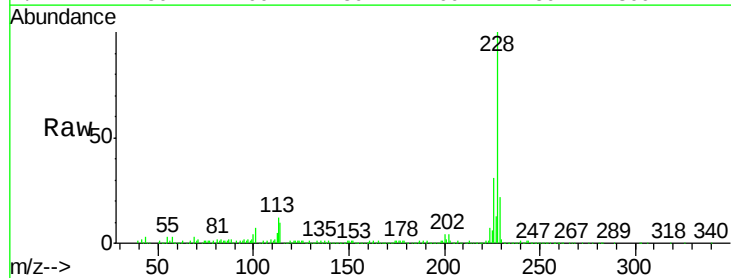
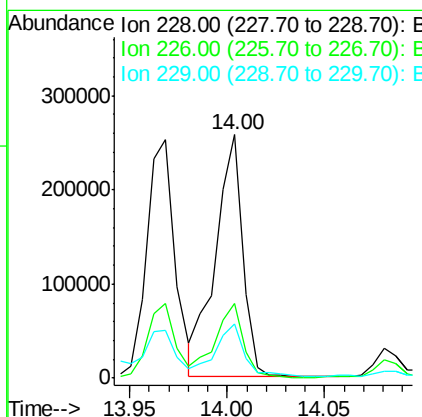
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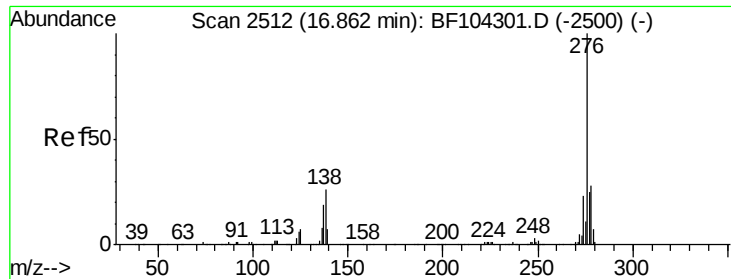
Sohil
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#82
Chrysene
Concen: 13.627 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.0	16.2	24.4





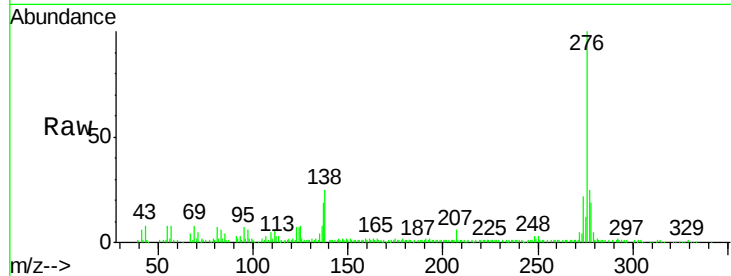
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.542 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Instrument :
 BNA_F
 ClientSampled :
 SPOILS-ICTF-D

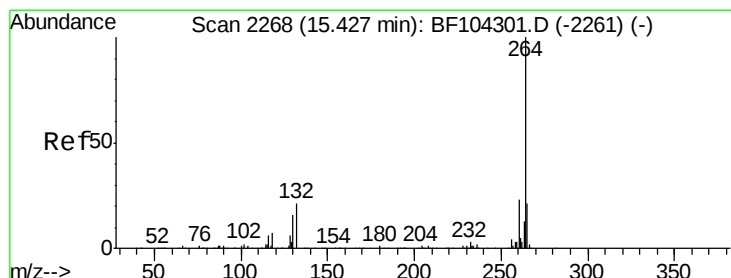
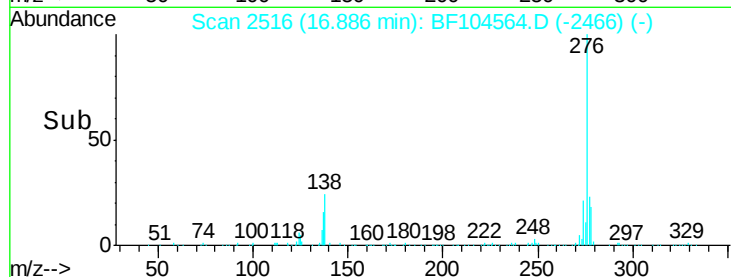
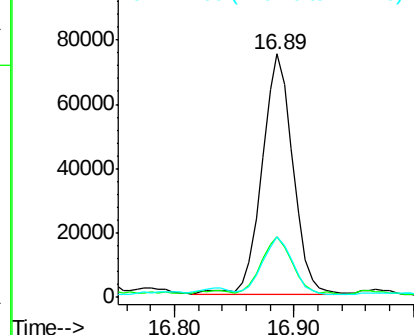
Tot Ion	Ratio	Lower	Upper
276	100		
138	6.2	25.0	37.6#
277	4.8	20.1	30.1#

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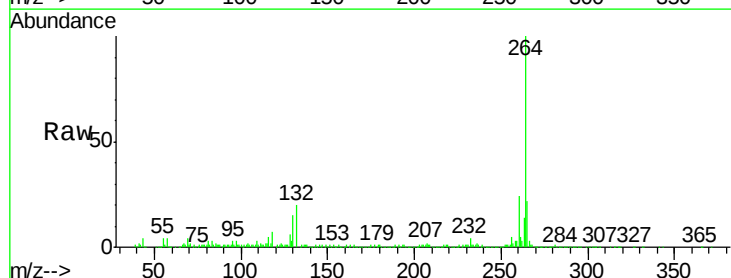


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

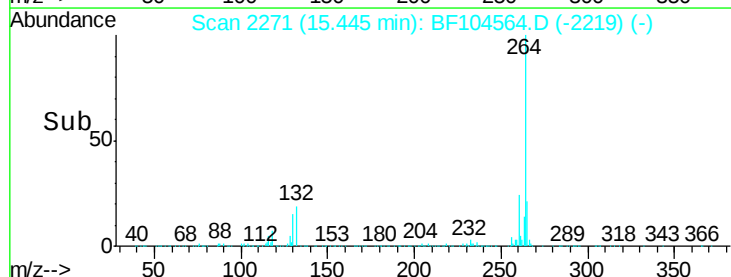
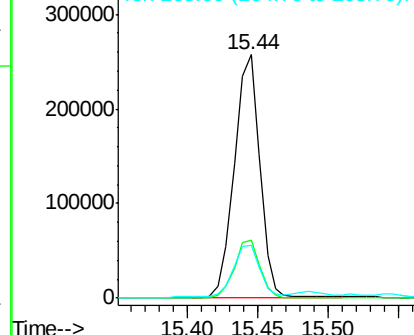


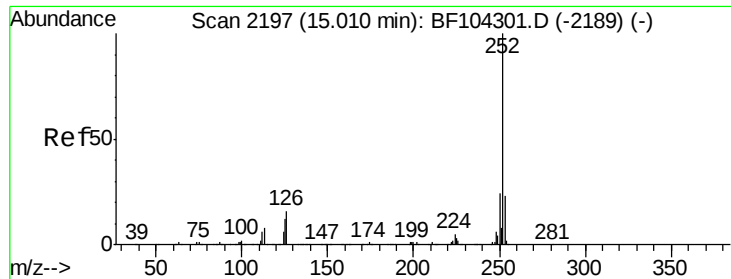
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.161 ng m

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

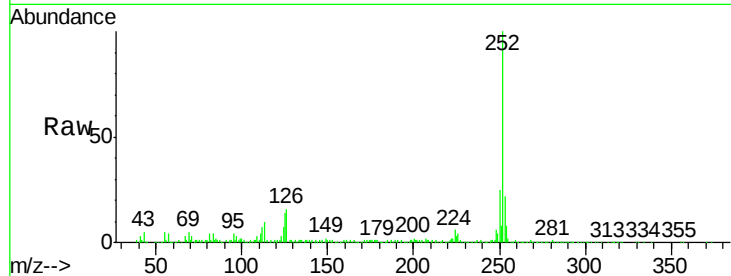
ClientSampleId :

SPOILS-ICTF-D

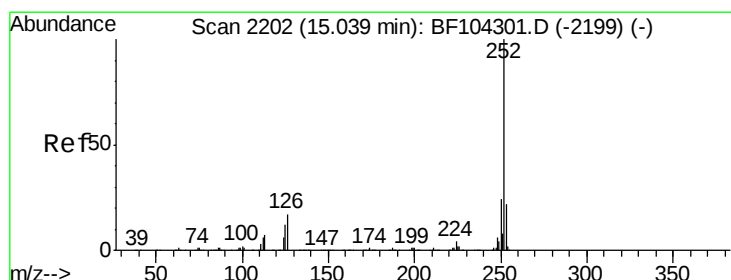
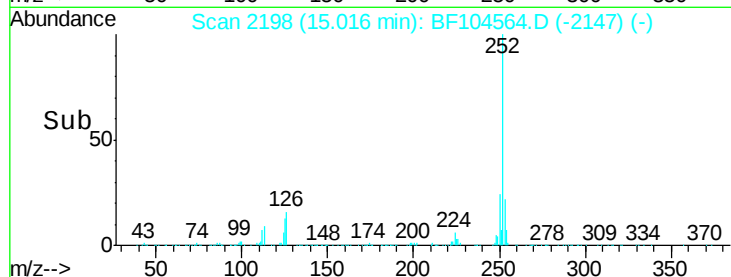
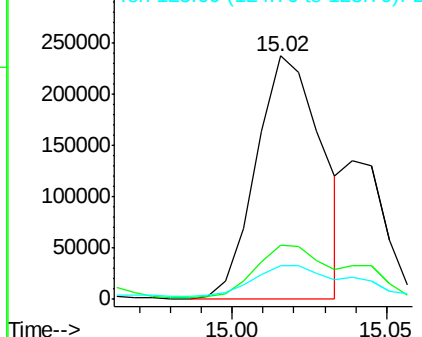
Tot Ion:	252	Resp:	351941
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	13.9	9.0	13.6#

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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: 6.356 ng m

RT: 15.04 min Scan# 2202

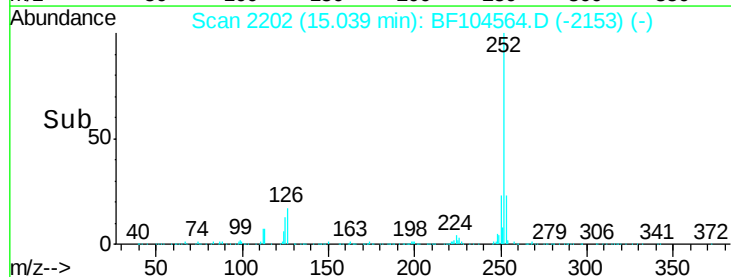
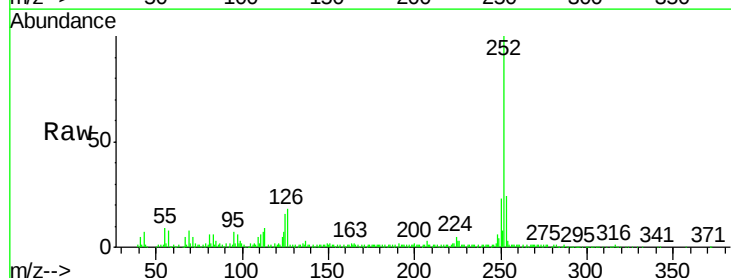
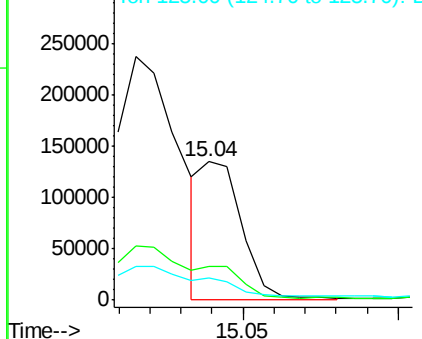
Delta R.T. -0.01 min

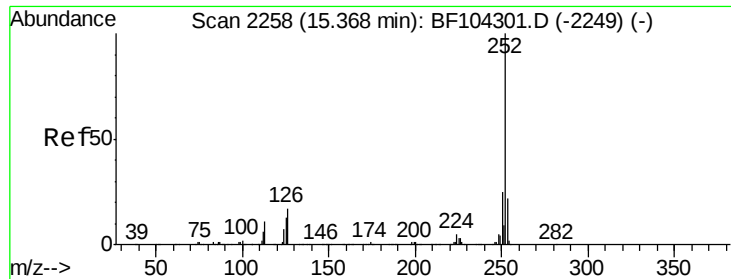
Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Tgt Ion:	252	Resp:	123060
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	15.7	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





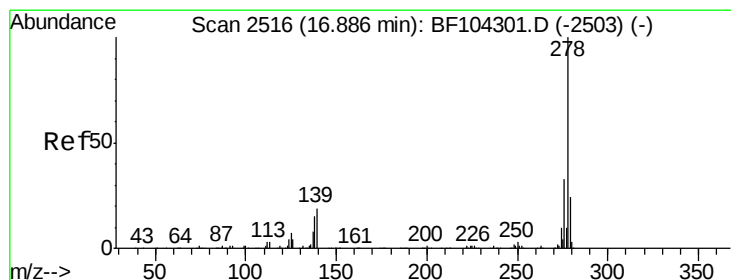
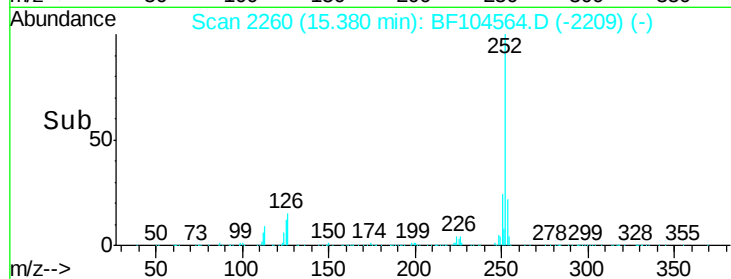
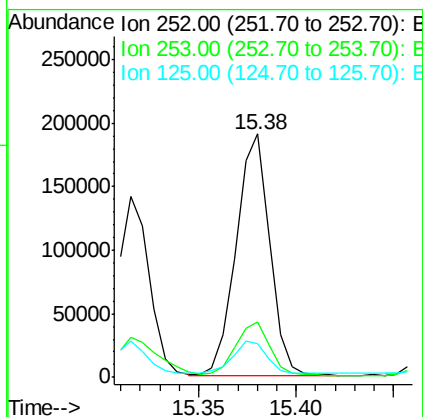
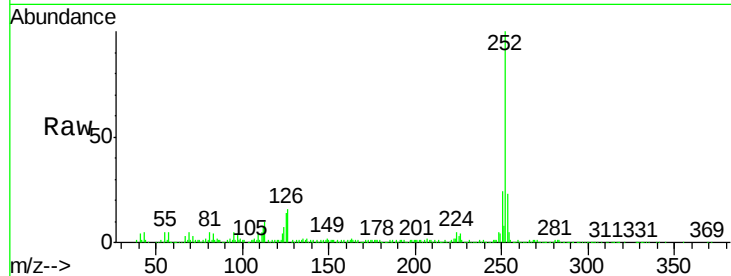
#89
Benzo(a)pyrene
Concen: 12.392 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampled :
SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.0	9.8	14.6

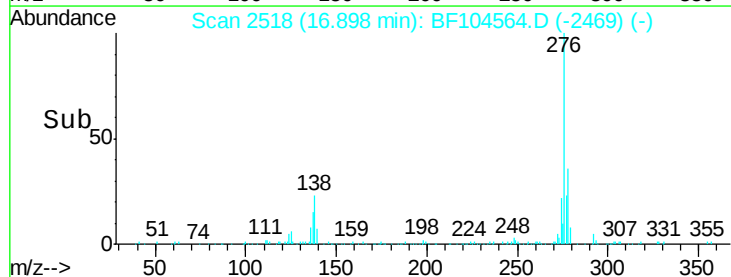
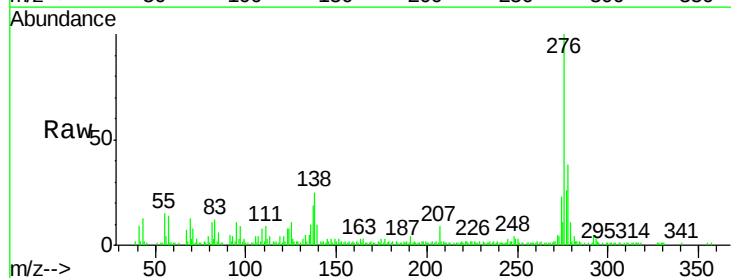
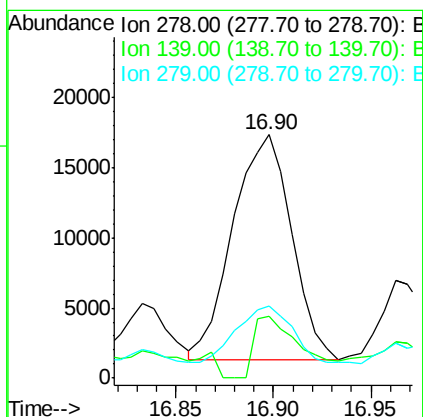
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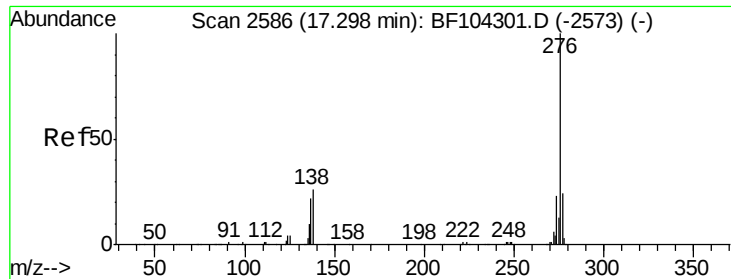
Sohil
4/18/2018 3:00:33 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.214 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.7	15.9	23.9#
279	29.7	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 7.739 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	26.9	21.8	32.8

Manual Integrations
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Sohil
 4/18/2018 3:00:33 PM

