

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102086.D
 Acq On : 16 Jan 2018 1:47
 Operator : SJ/JU
 Sample : J1136-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-4(0-5)

Manual Integrations
 APPROVED

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 1/16/2018 5:01:29 PM

Quant Time: Jan 16 04:02:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	179837	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	678926	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	251245	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	338692	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	303408	20.00	ng	-0.01
86) Perylene-d12	15.29	264	264967	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1197647	94.04	ng	0.01
7) Phenol-d6	6.36	99	1416734	93.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	896674	77.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	215181	98.14	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1306169	81.22	ng	-0.01
78) Terphenyl-d14	12.82	244	797767	54.59	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	58453	3.404	ng	95
48) Acenaphthylene	9.62	152	79820	2.921	ng	97
49) Dimethylphthalate	9.47	163	189090	9.382	ng	99
70) Phenanthrene	11.26	178	306632	15.499	ng	98
71) Anthracene	11.31	178	94438	4.707	ng	97
74) Fluoranthene	12.44	202	543181	27.906	ng	99
77) Pyrene	12.67	202	515152	19.208	ng	99
80) Benzo(a)anthracene	13.86	228	371791	19.206	ng	93
82) Chrysene	13.89	228	324496	16.076	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	162624	11.069	ng	95
87) Benzo(b)fluoranthene	14.88	252	437663m	25.333	ng	
88) Benzo(k)fluoranthene	14.90	252	132638m	7.958	ng	
89) Benzo(a)pyrene	15.23	252	309582	19.913	ng	97
90) Dibenzo(a,h)anthracene	16.66	278	42072	3.391	ng	# 88
91) Benzo(a,h,i)perylene	17.07	276	149469	11.960	ng	98

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

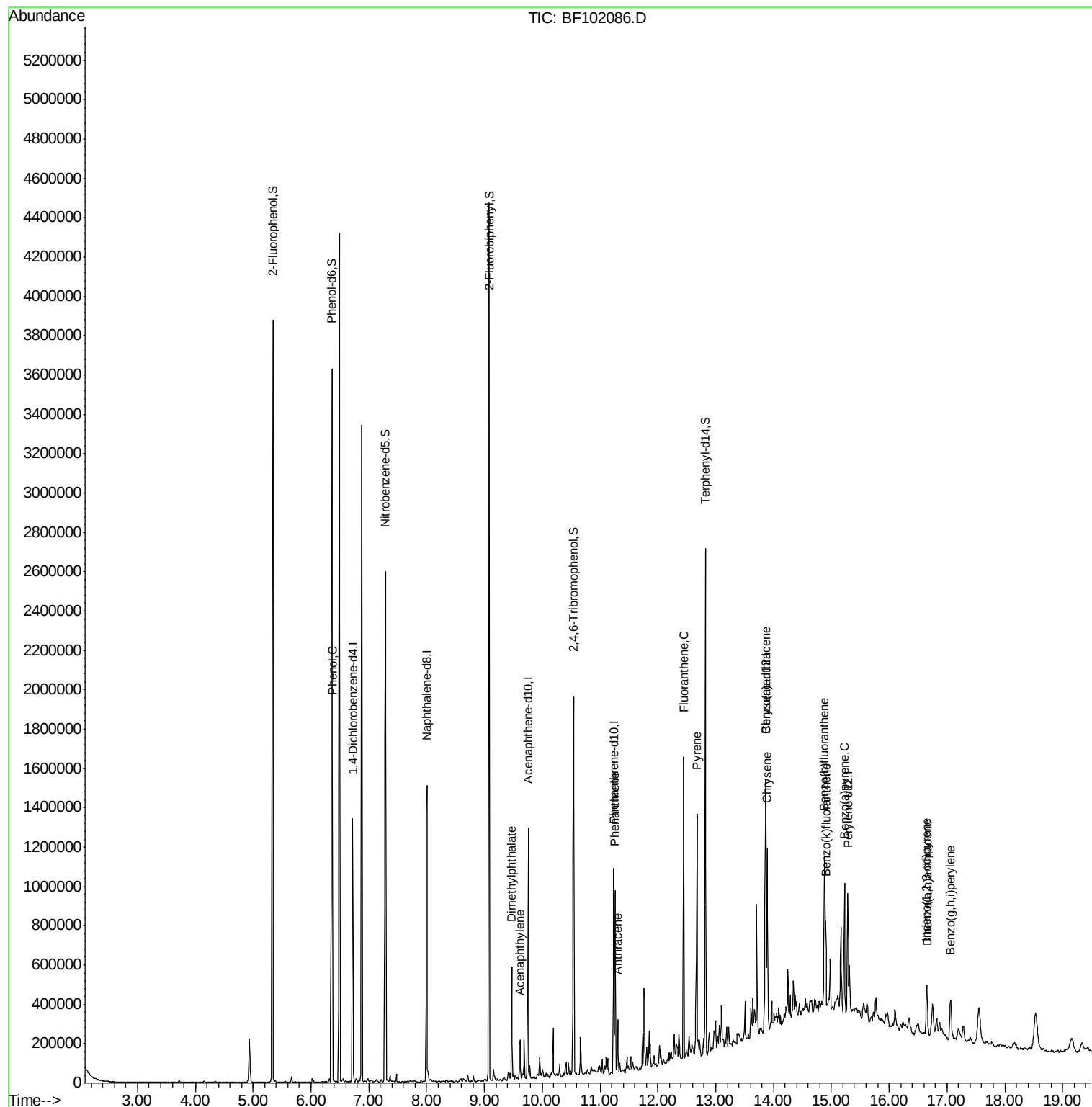
Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102086.D
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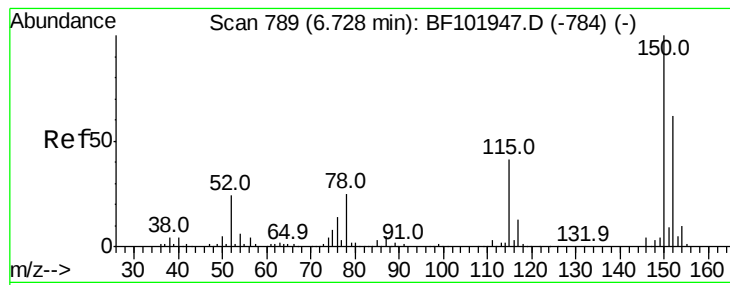
Instrument :
BNA_F
ClientSampled :
EPE-106-4(0-5)

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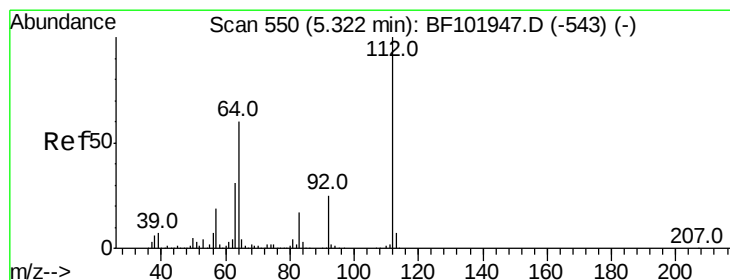
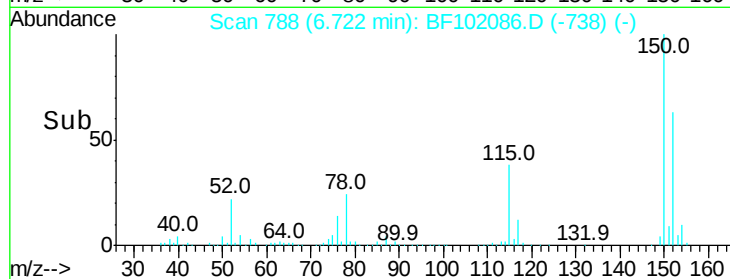
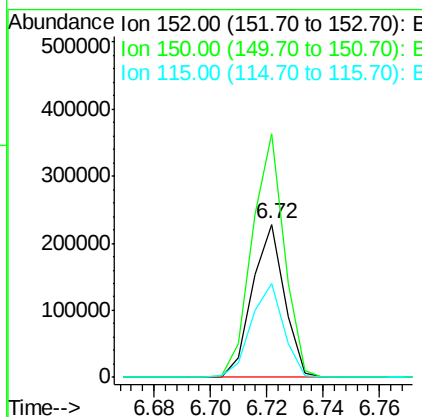
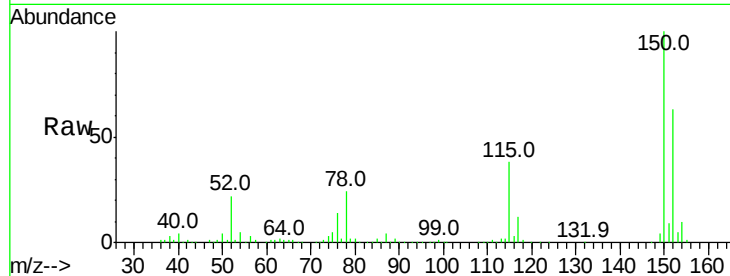
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	60.9	50.1	75.1

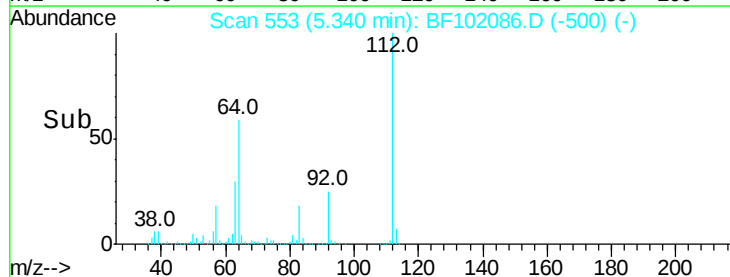
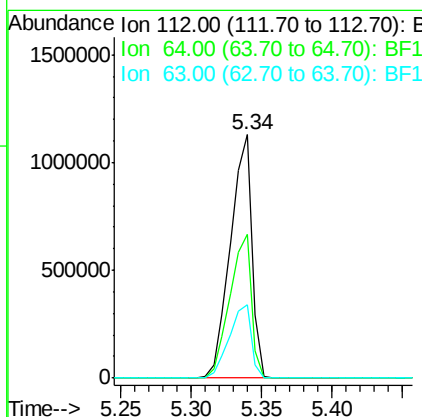
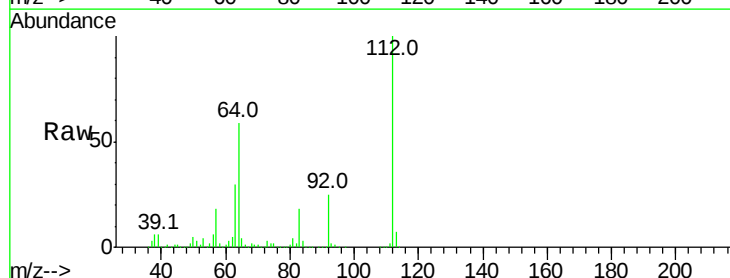
Manual Integrations
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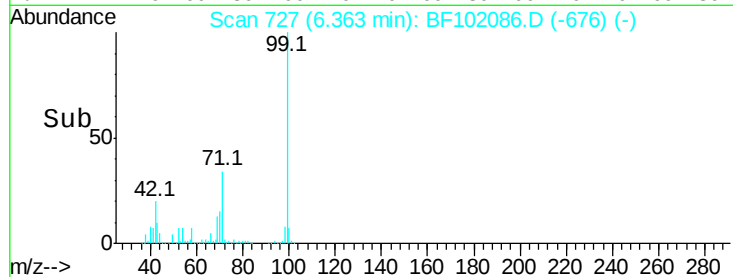
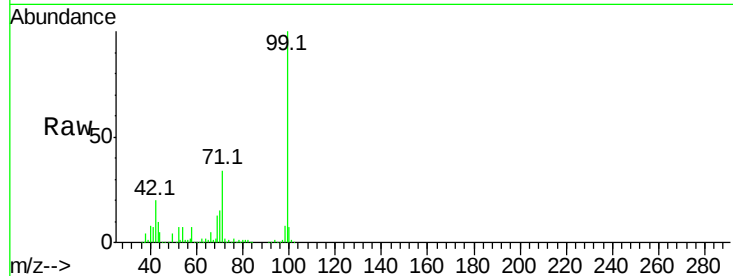
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#5
 2-Fluorophenol
 Concen: 94.039 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 93.238 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Tot Ion: 99 Resp: 1416734

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 33.7 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

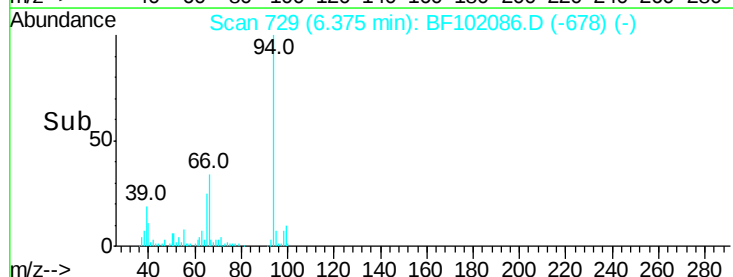
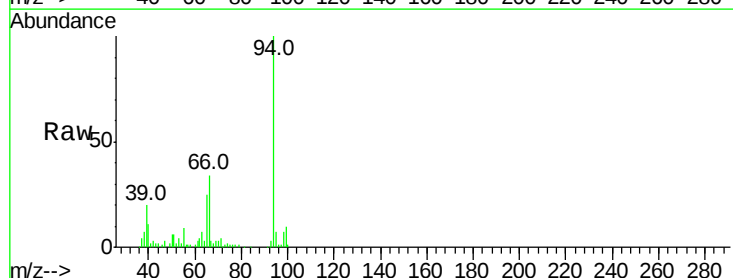
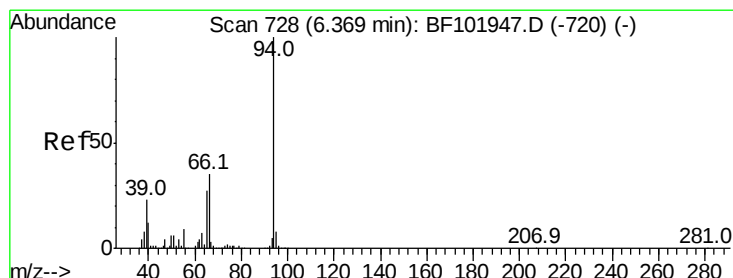
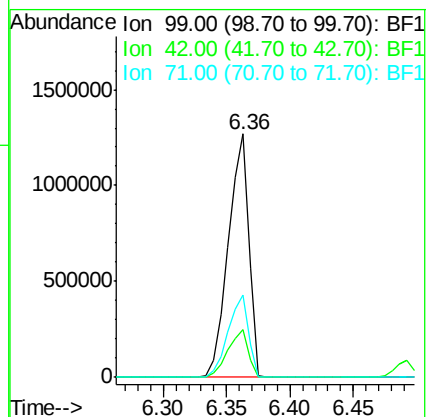
EPE-106-4(0-5)

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#10

Phenol

Concen: 3.404 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

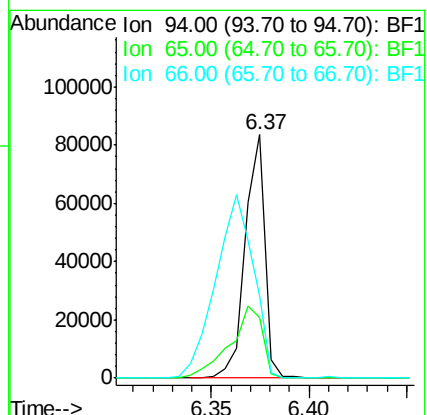
Tgt Ion: 94 Resp: 58453

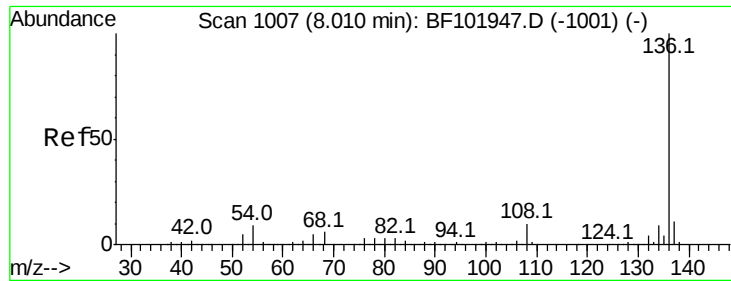
Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

66 33.8 16.2 56.2





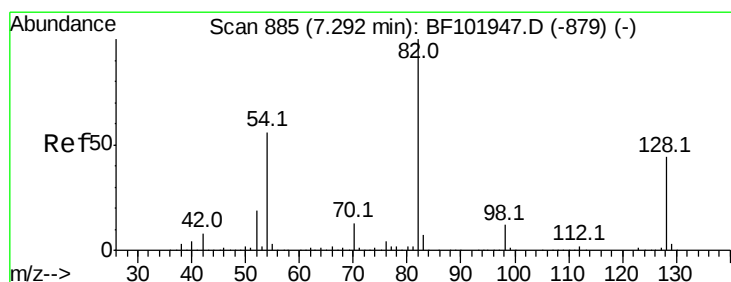
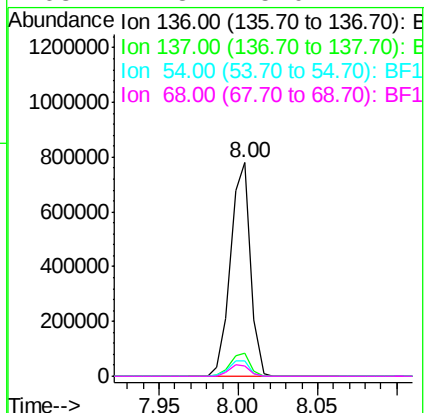
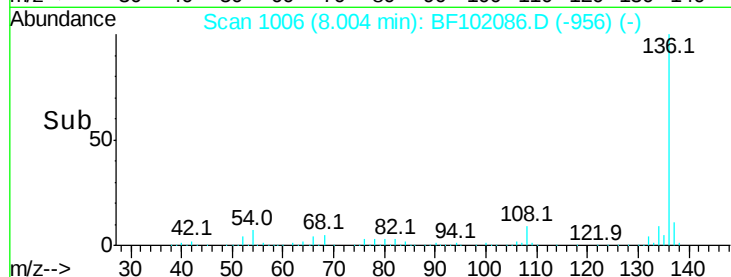
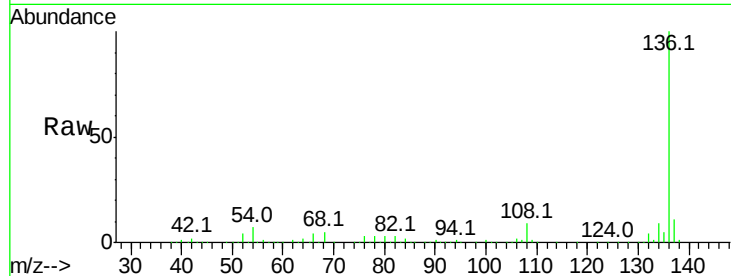
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.2	6.6	9.8
68	4.8	5.0	7.4

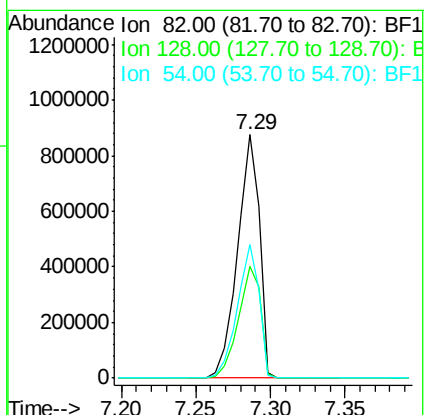
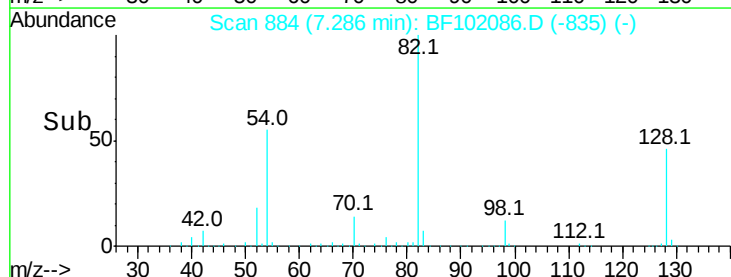
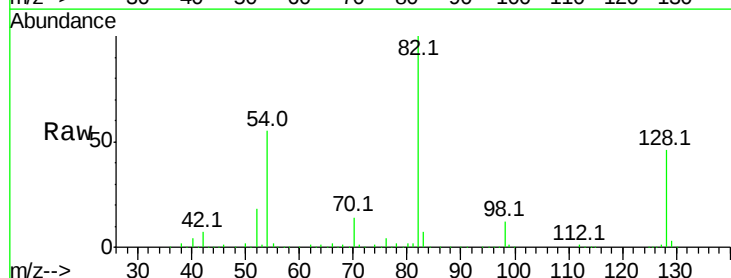
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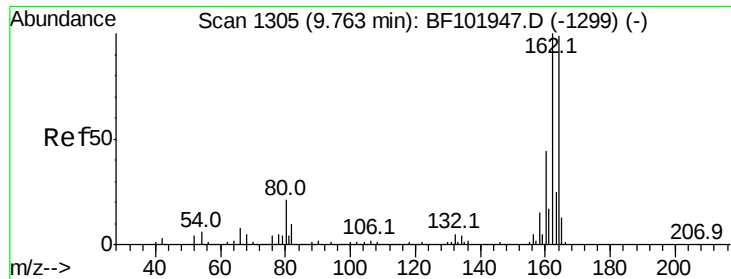
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#23
Nitrobenzene-d5
Concen: 77.611 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.8	36.1	54.1
54	54.9	41.4	62.2





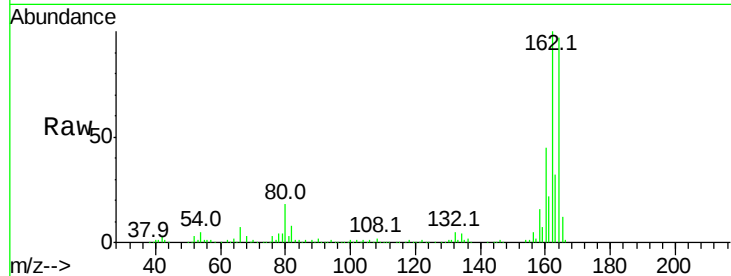
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-4(0-5)

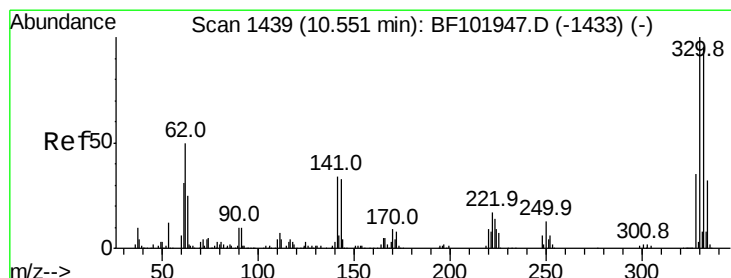
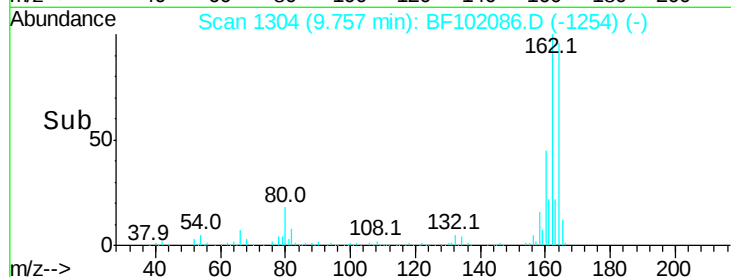
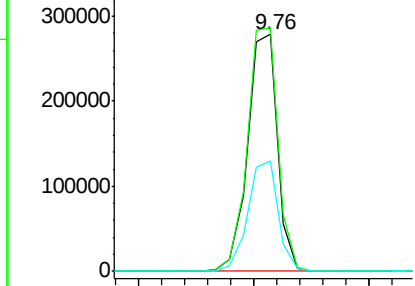
Tot Ion:	164	Resp:	251245
Ion Ratio	Lower	Upper	
164	100		
162	102.9	86.1	129.1
160	46.6	38.3	57.5

Manual Integrations
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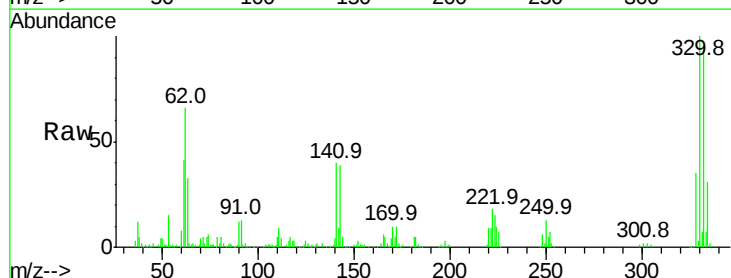


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

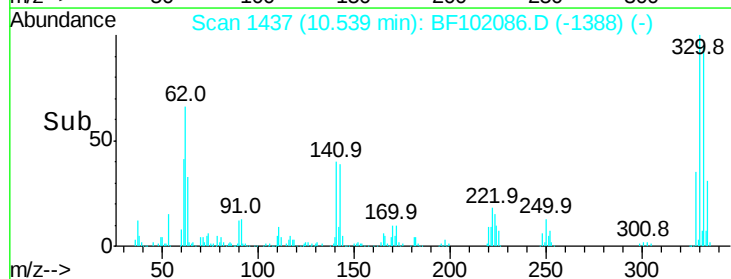
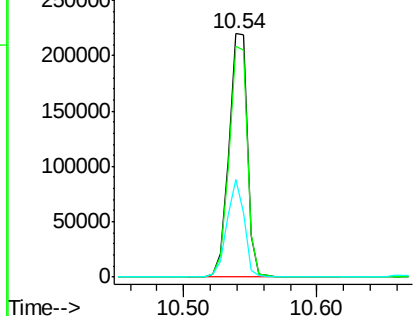


#41
 2,4,6-Tribromophenol
 Concen: 98.140 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102086.D
 Acq: 16 Jan 2018 1:47

Tgt Ion:	330	Resp:	215181
Ion Ratio	Lower	Upper	
330	100		
332	94.2	77.0	115.6
141	38.0	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





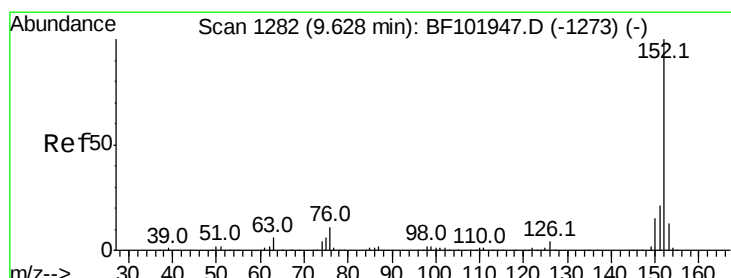
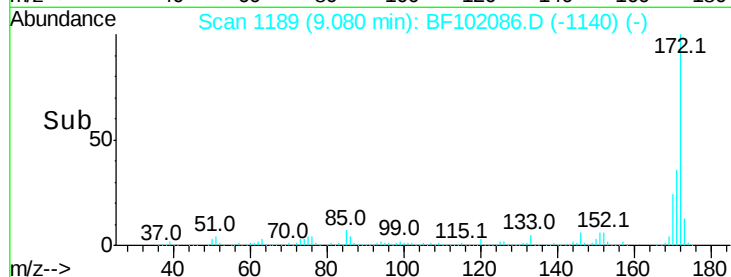
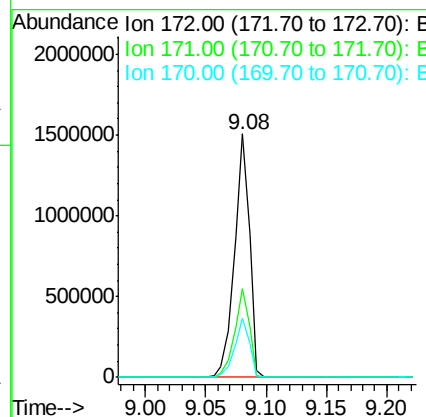
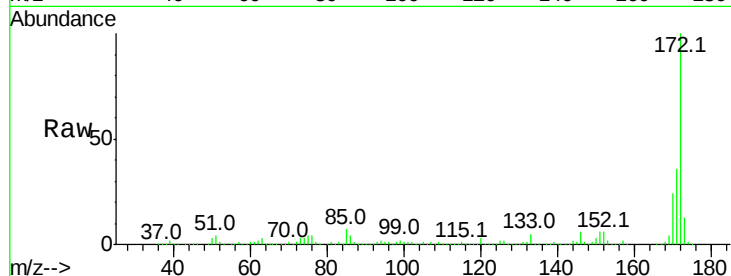
#44
2-Fluorobiphenyl
Concen: 81.219 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4

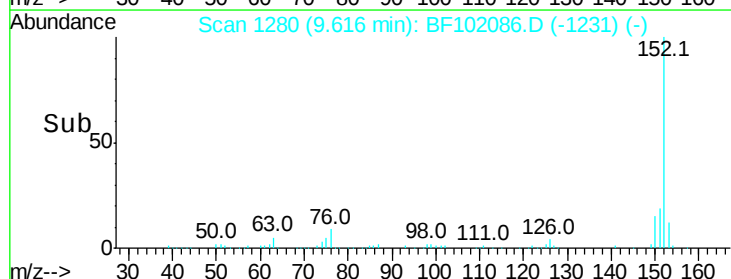
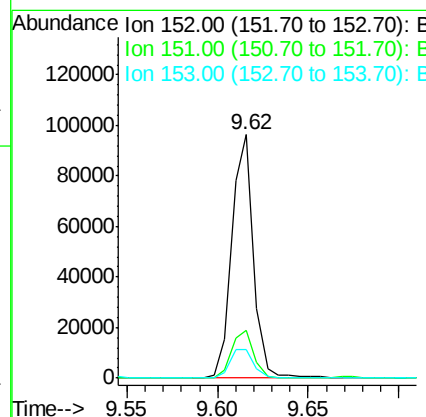
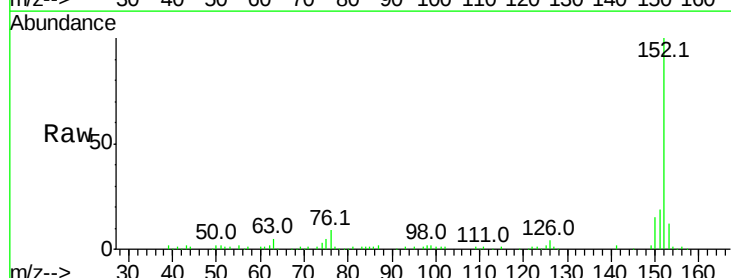
Manual Integrations
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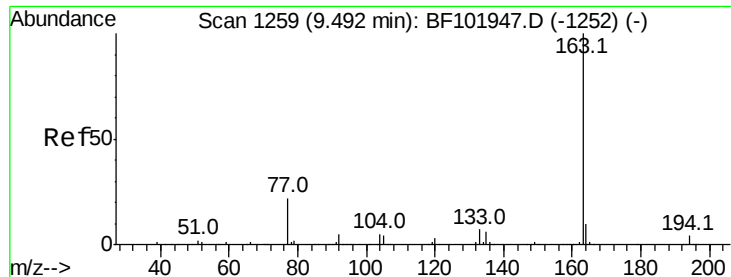
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#48
Acenaphthylene
Concen: 2.921 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	11.9	10.7	16.1





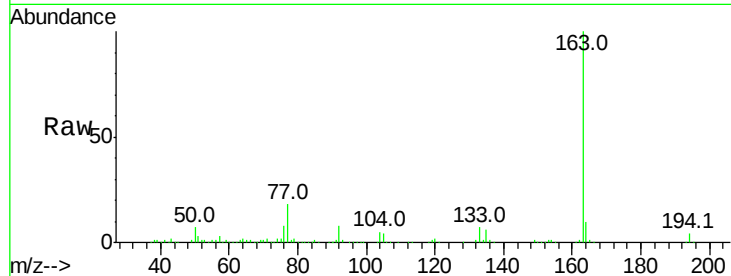
#49
Dimethylphthalate
Concen: 9.382 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

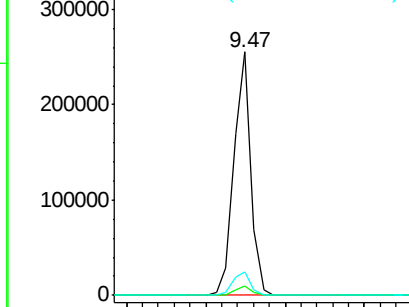
Tot Ion	Ratio	Resp	Lower	Upper
163	100	189090		
194	3.8	2.7	4.1	
164	9.9	8.2	12.2	

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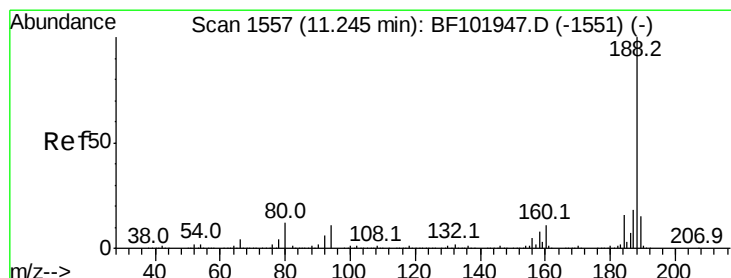
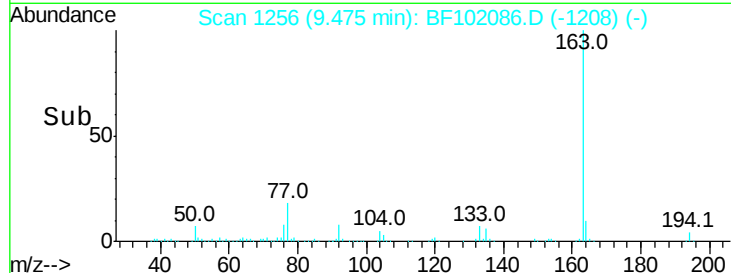
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

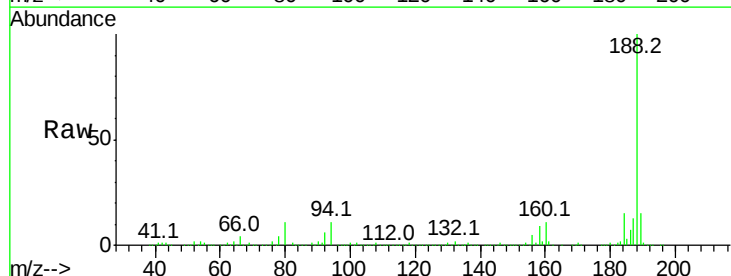


Time--> 9.40 9.45 9.50 9.55

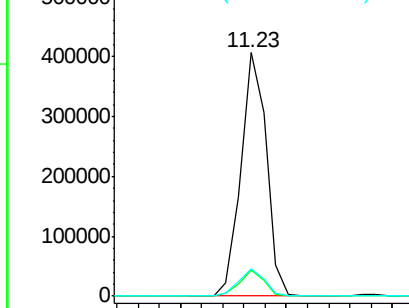


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

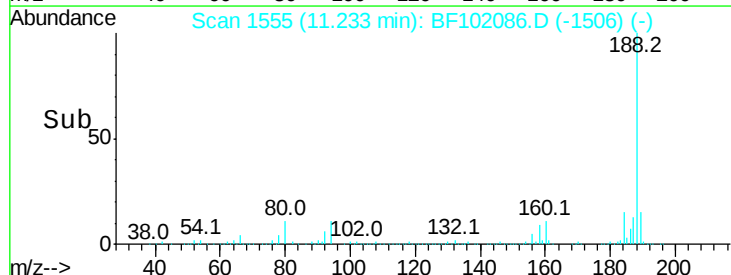
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	338692		
94	10.9	8.5	12.7	
80	11.2	9.2	13.8	

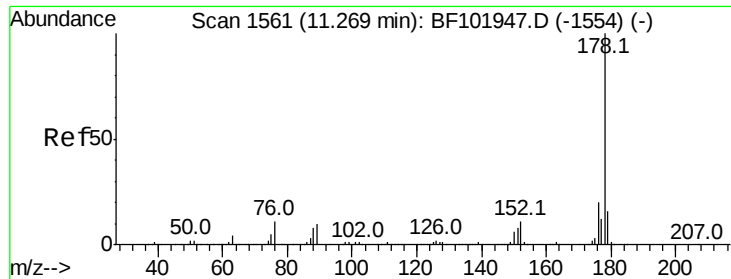


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.20 11.25





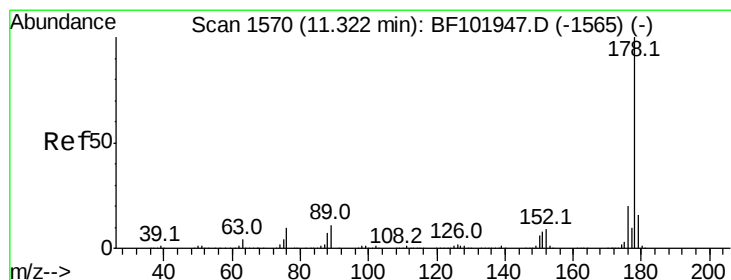
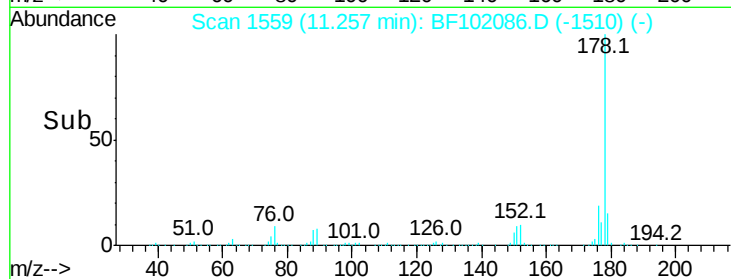
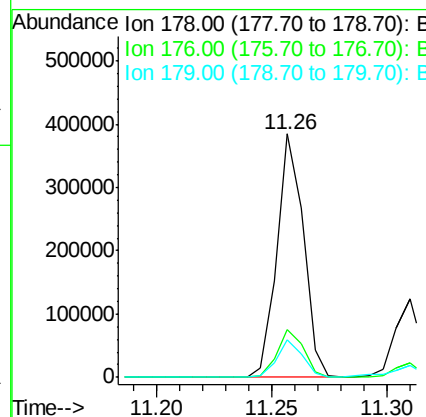
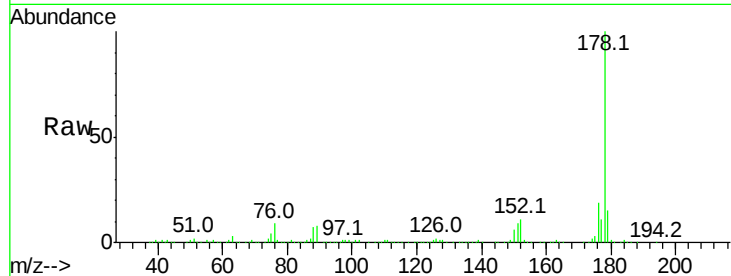
#70
Phenanthrene
Concen: 15.499 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6

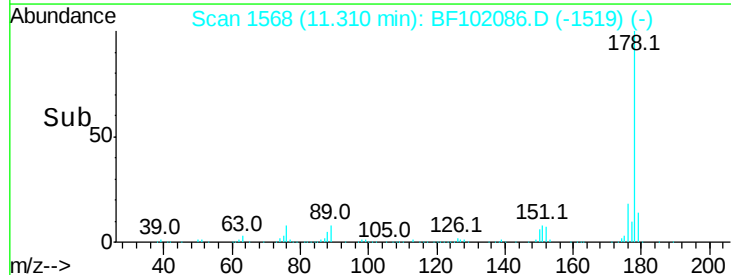
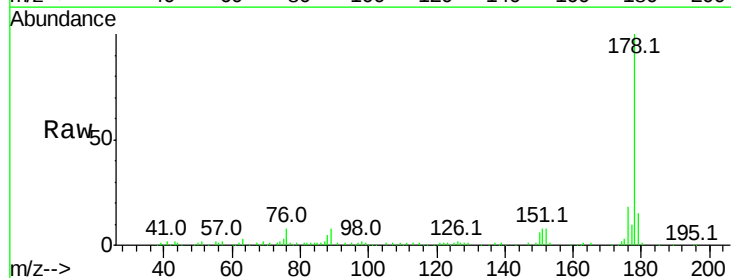
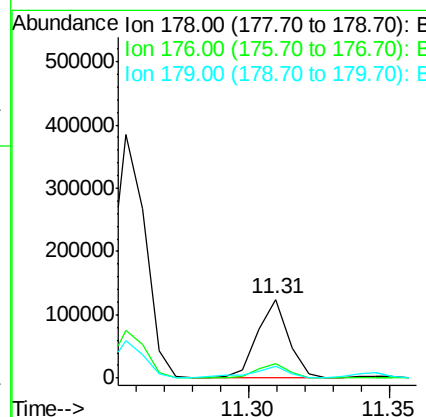
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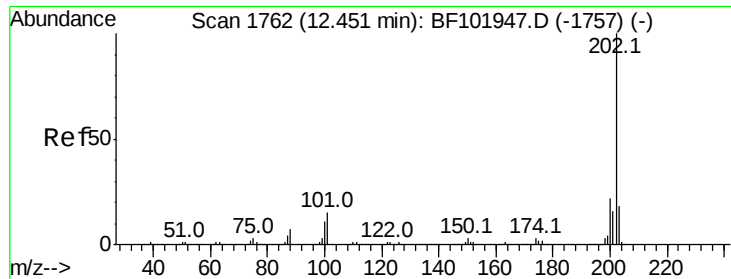
Sohil
1/16/2018 5:01:29 PM



#71
Anthracene
Concen: 4.707 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.6	12.6	19.0





#74

Fluoranthene

Concen: 27.906 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

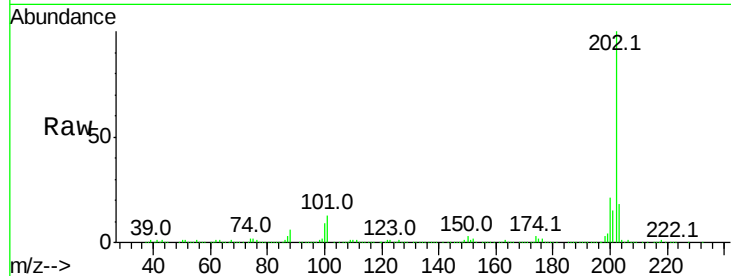
ClientSampleId :

EPE-106-4(0-5)

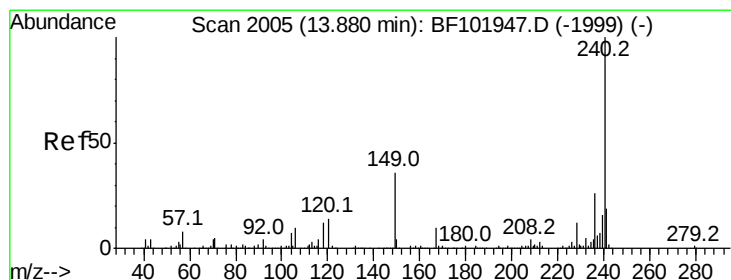
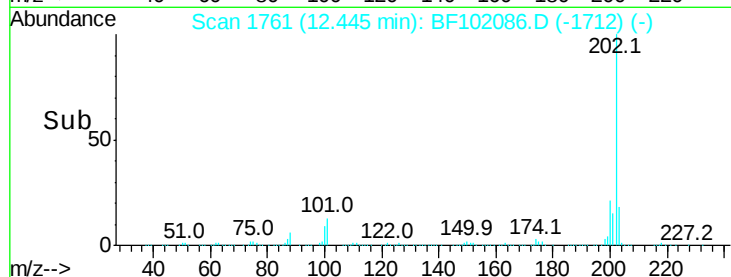
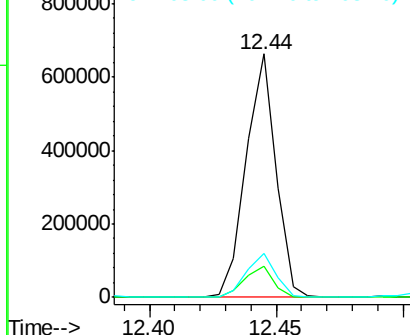
Tot Ion	Ratio	Resp	Lower	Upper
202	100	543181		
101	12.9	0.0	34.1	
203	18.1	0.0	38.1	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

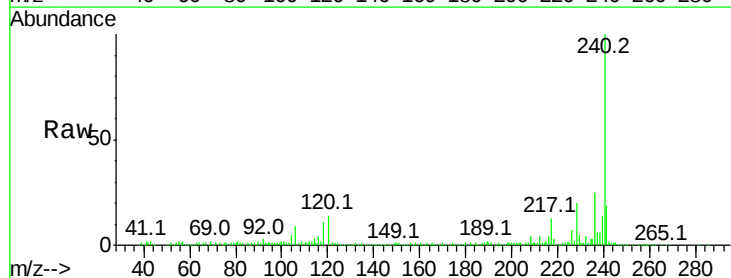
RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

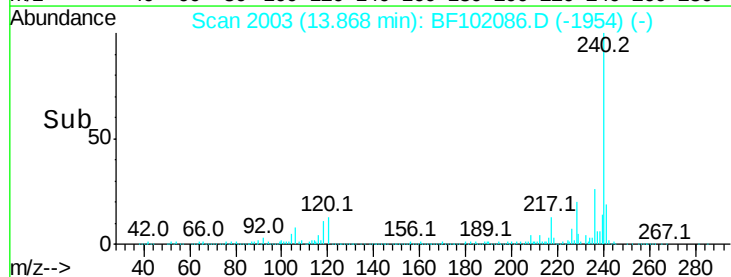
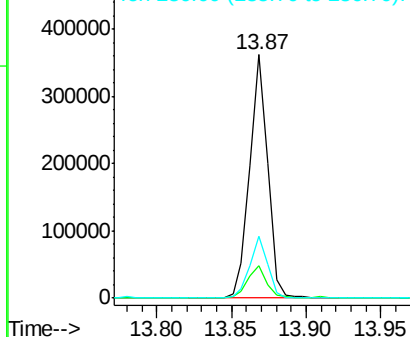
Lab File: BF102086.D

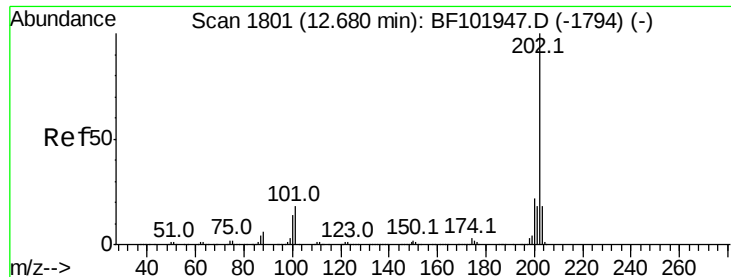
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	303408		
120	13.6	9.5	14.3	
236	25.5	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.208 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

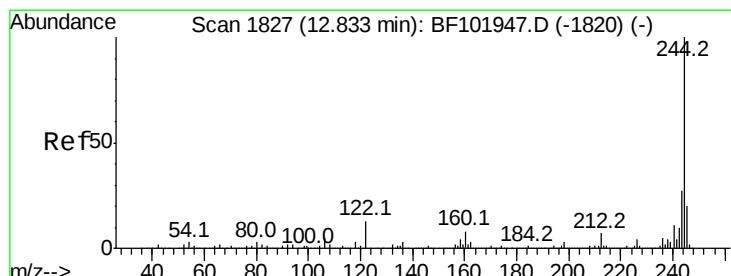
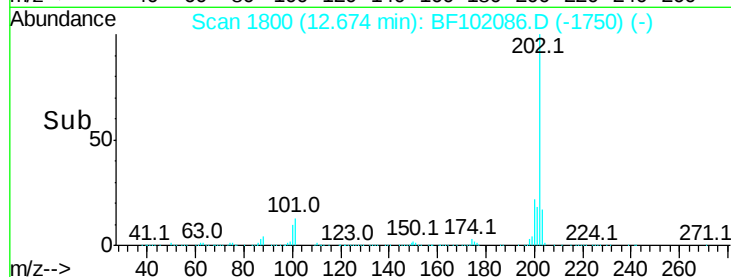
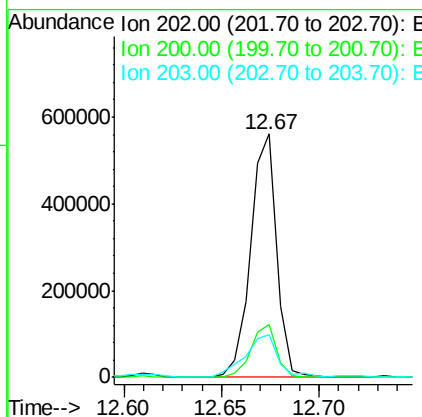
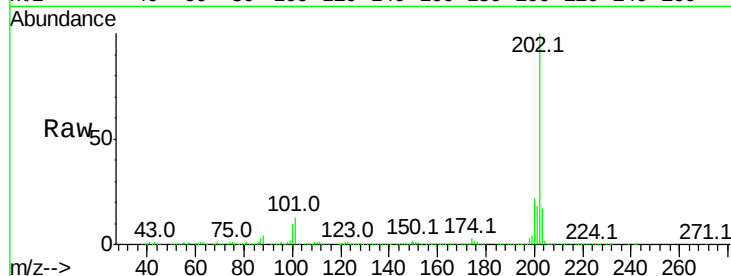
ClientSampleId :

EPE-106-4(0-5)

Tot Ion:	202	Resp:	515152
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 54.592 ng

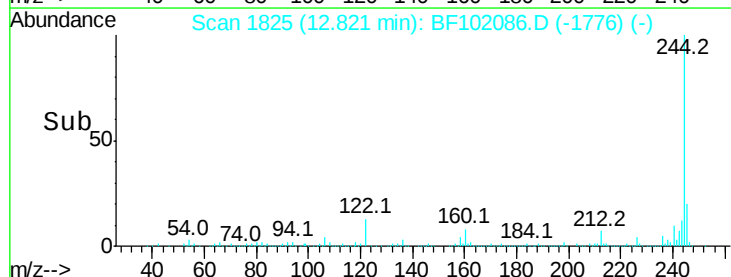
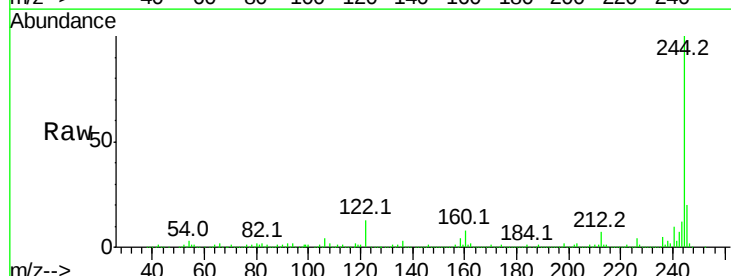
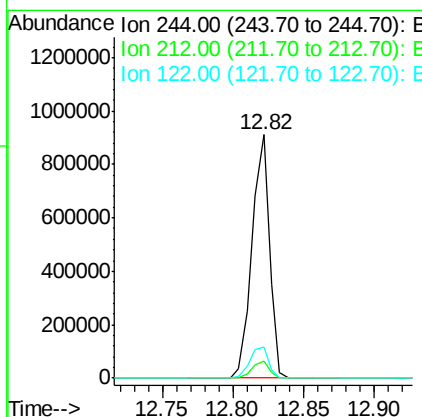
RT: 12.82 min Scan# 1825

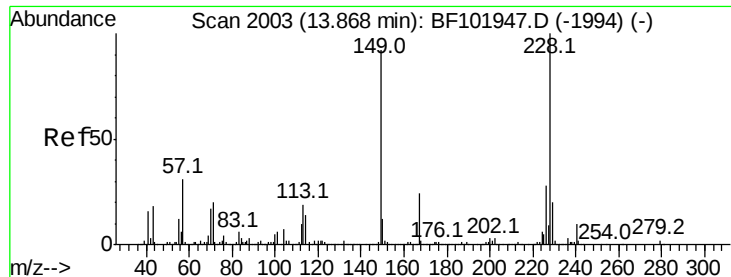
Delta R.T. -0.01 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Tgt Ion:	244	Resp:	797767
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	12.7	11.0	16.4





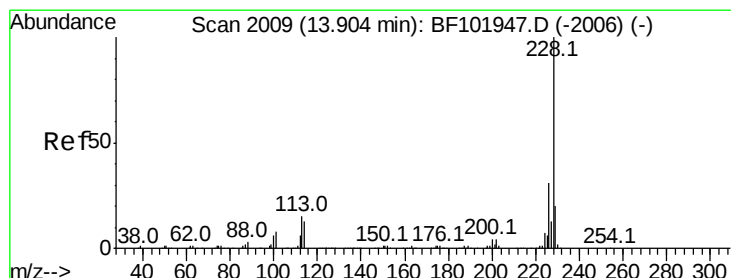
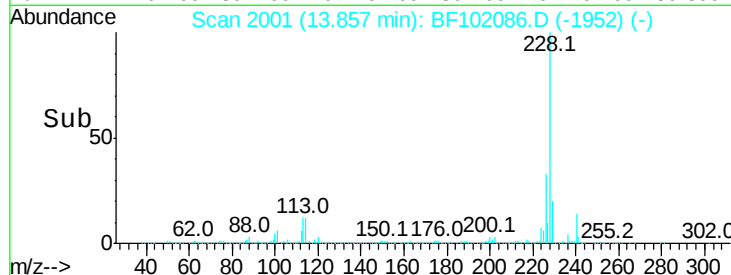
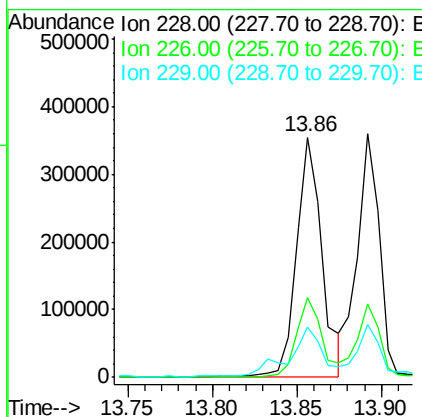
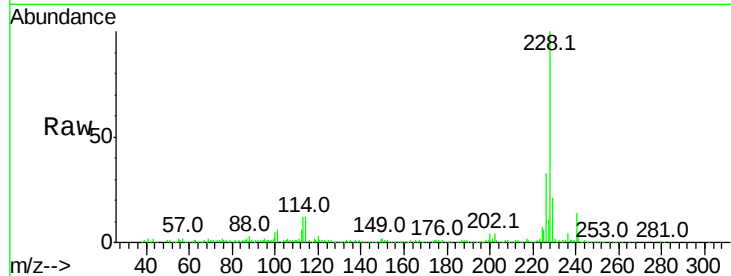
#80
Benzo(a)anthracene
Concen: 19.206 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	21.2	15.8	23.6

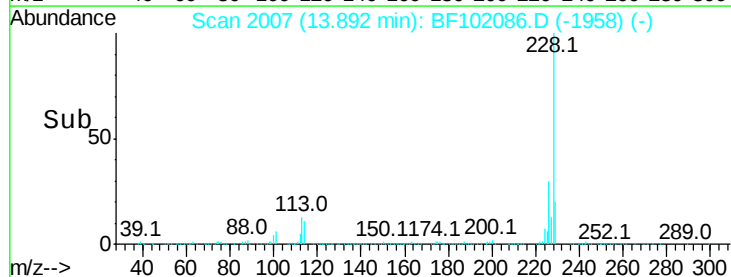
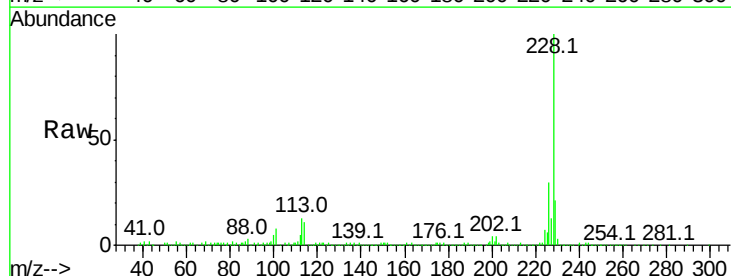
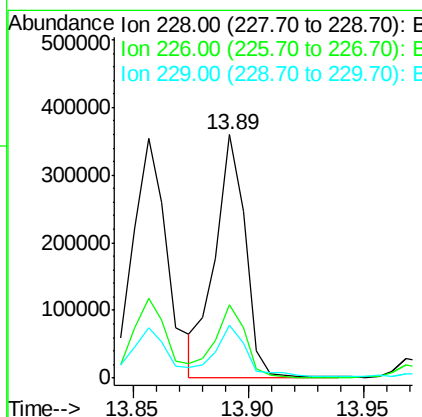
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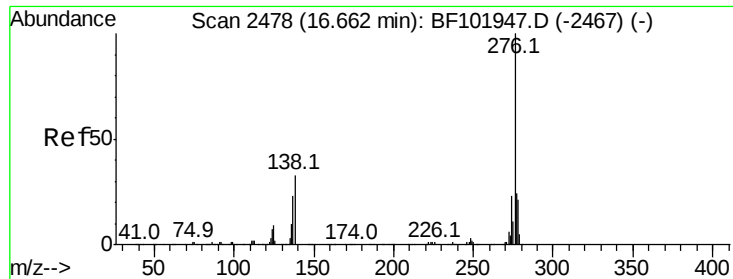
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#82
Chrysene
Concen: 16.076 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.5	16.2	24.4





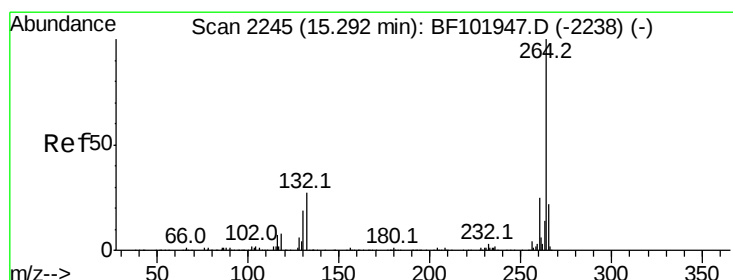
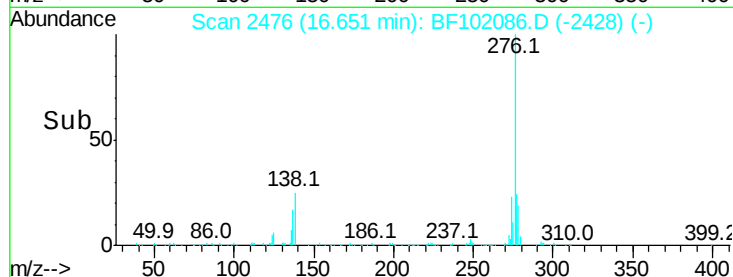
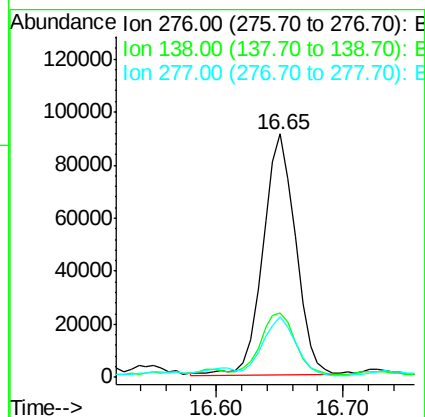
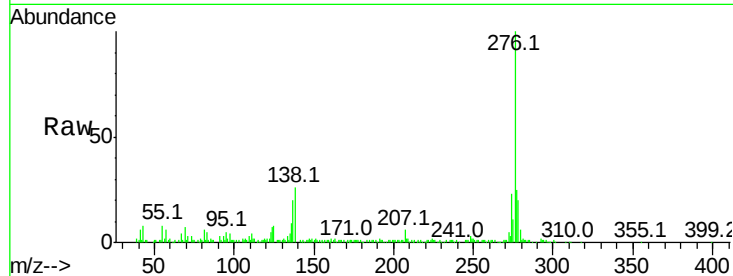
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.069 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.02 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	24.0	20.1	30.1

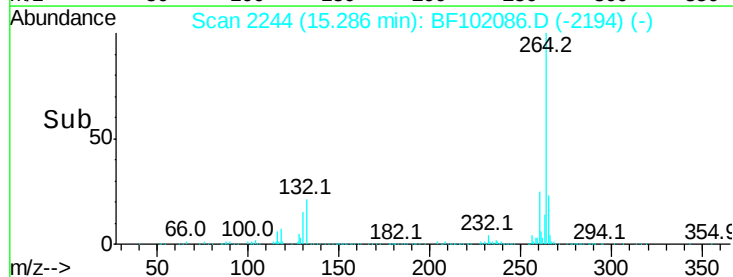
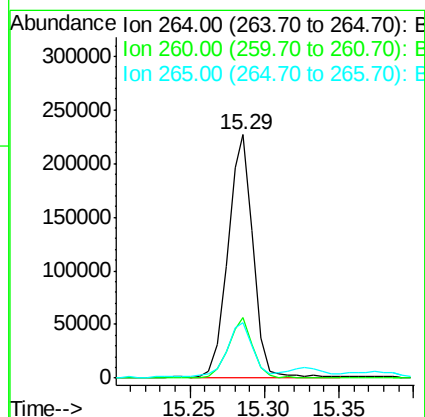
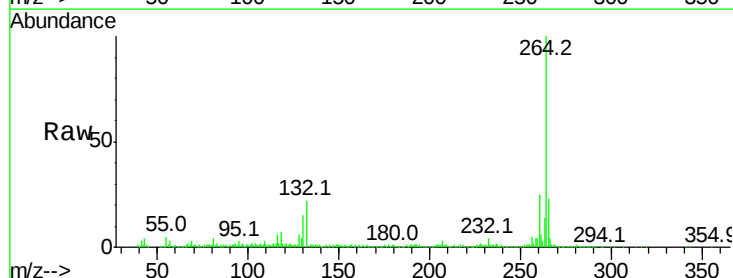
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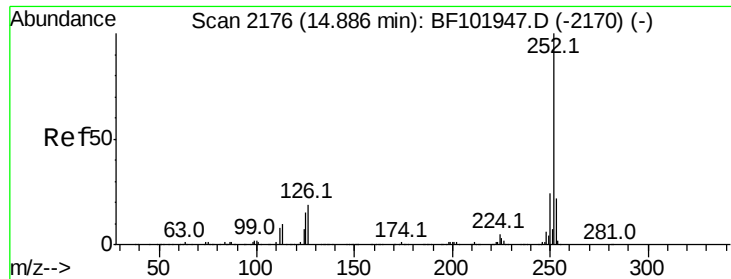
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.9	17.5	26.3





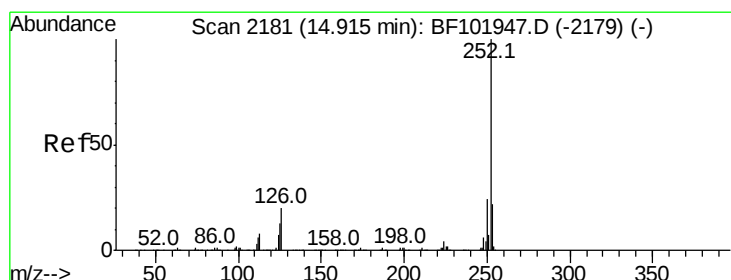
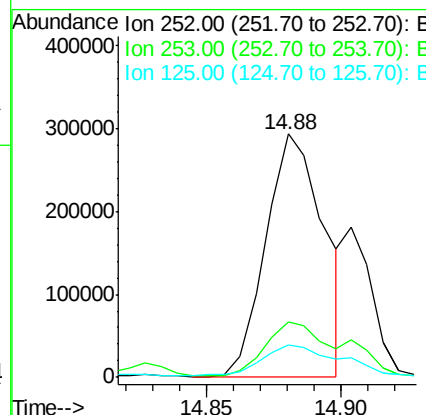
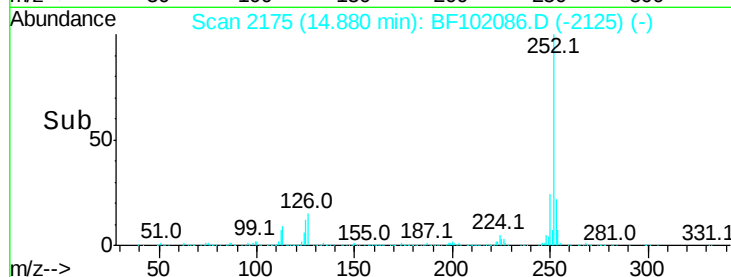
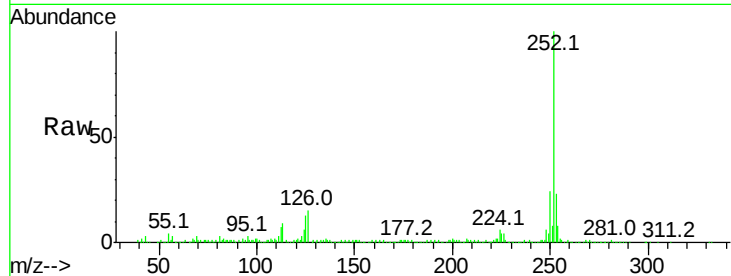
#87
Benzo(b)fluoranthene
Concen: 25.333 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.1	9.0	13.6

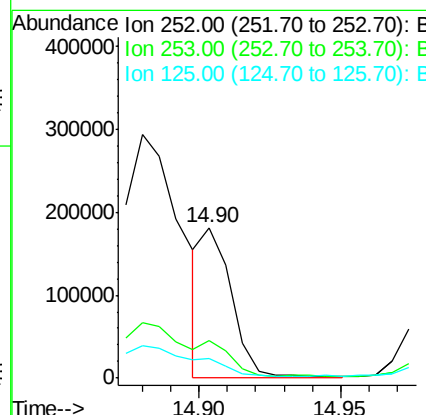
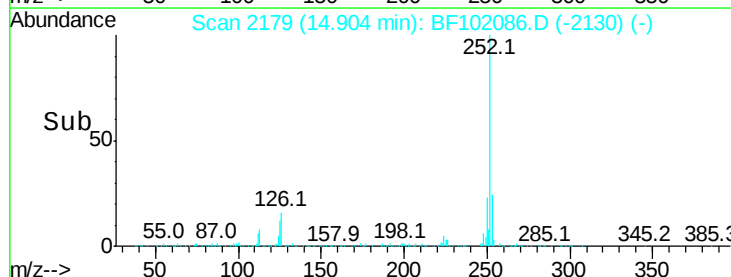
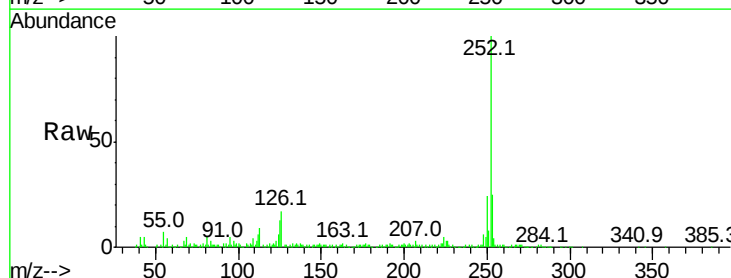
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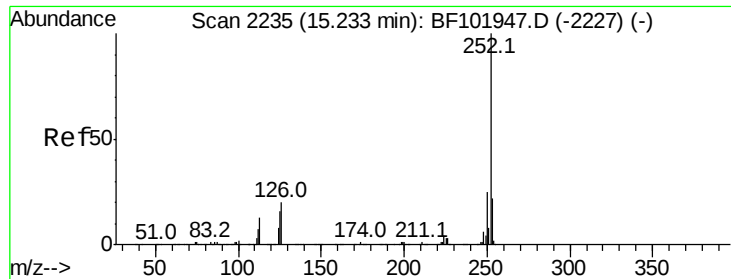
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.958 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	13.1	10.2	15.2





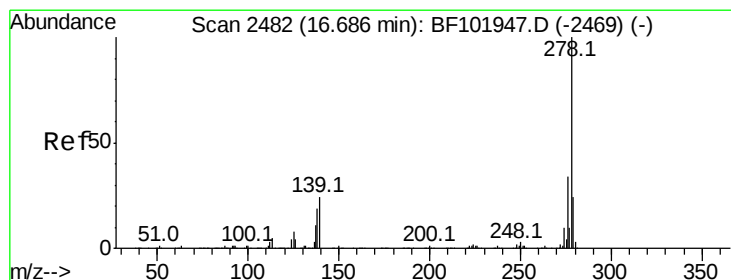
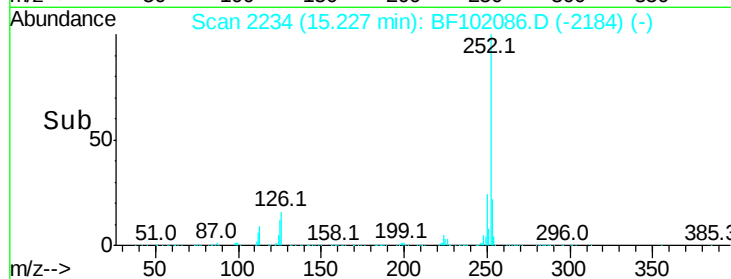
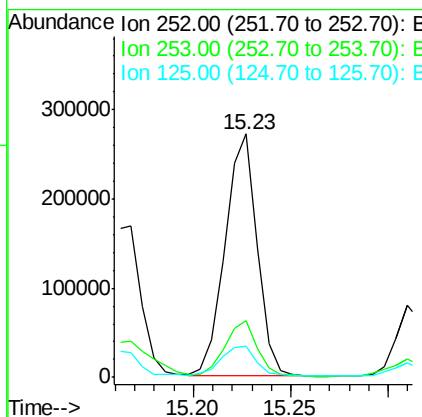
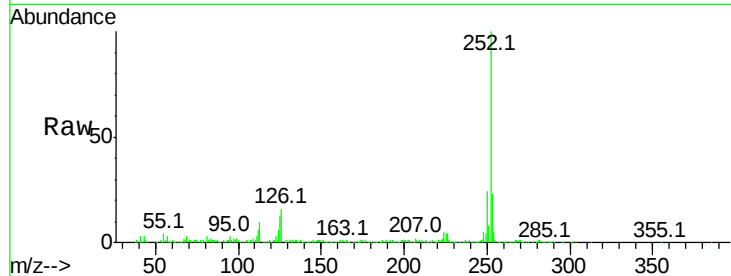
#89
Benzo(a)pyrene
Concen: 19.913 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Instrument :
BNA_F
ClientSampleId :
EPE-106-4(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.6	9.8	14.6

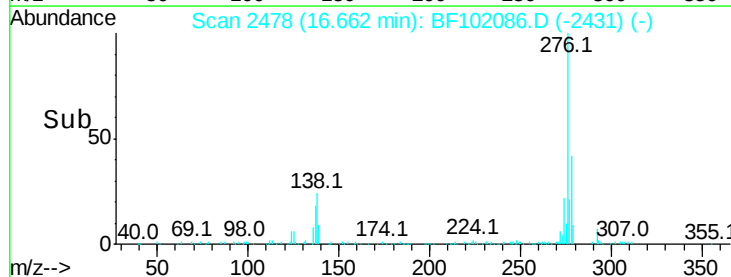
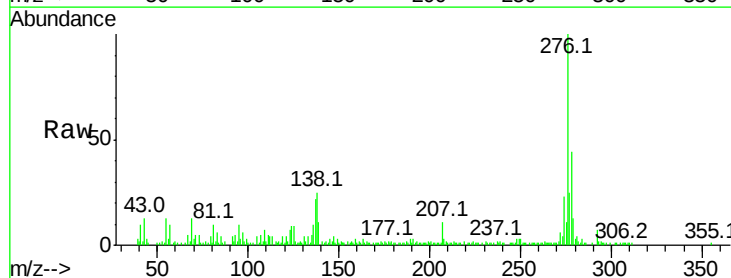
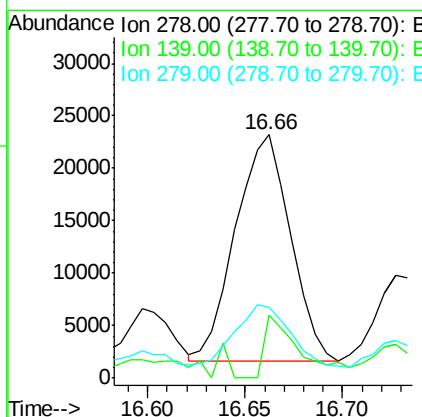
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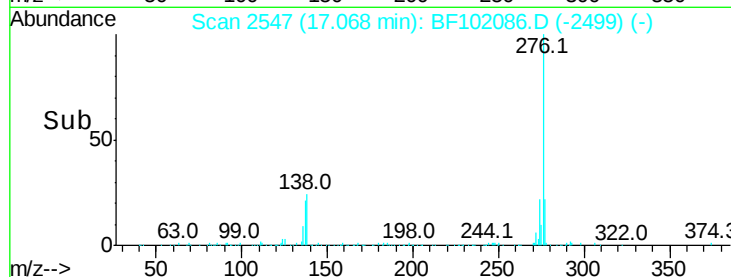
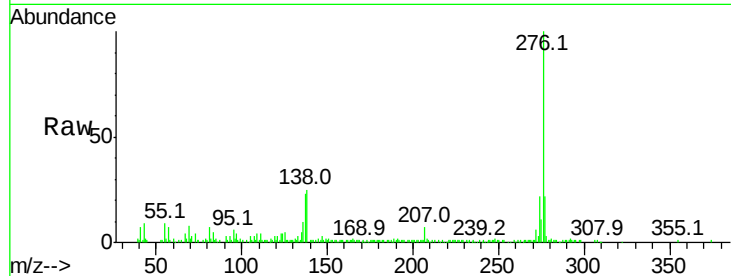
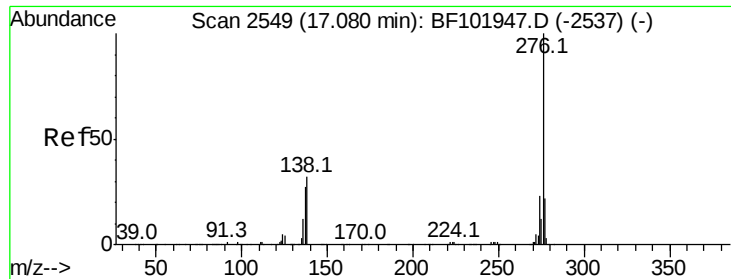
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.391 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF102086.D
Acq: 16 Jan 2018 1:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.7	15.9	23.9#
279	29.2	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 11.960 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.02 min

Lab File: BF102086.D

Acq: 16 Jan 2018 1:47

Instrument :

BNA_F

ClientSampled :

EPE-106-4(0-5)

Tot Ion:	276	Resp:	149469
Ion Ratio	Lower	Upper	
276	100		
277	22.5	17.9	26.9
138	25.2	21.8	32.8

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