

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102201.D
 Acq On : 18 Jan 2018 19:40
 Operator : SJ/JU
 Sample : J1187-09 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:47:35 AM

Quant Time: Jan 19 01:29:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	157808	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	619617	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	250725	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	369247	20.00	ng	0.00
75) Chrysene-d12	13.89	240	224043	20.00	ng	0.02
86) Perylene-d12	15.31	264	219183	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	550764	49.28	ng	0.00
7) Phenol-d6	6.35	99	645371	48.40	ng	0.00
23) Nitrobenzene-d5	7.28	82	388731	36.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	109620	50.10	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	657741	40.98	ng	0.00
78) Terphenyl-d14	12.83	244	416350	38.58	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.02	128	249495	8.058	ng	99
37) 2-Methylnaphthalene	8.72	142	83946	4.119	ng	99
48) Acenaphthylene	9.62	152	112062	4.109	ng	99
49) Dimethylphthalate	9.47	163	91997	4.574	ng	98
51) Acenaphthene	9.79	154	339474	20.508	ng	99
54) Dibenzofuran	9.96	168	262030	11.534	ng	96
57) Fluorene	10.30	166	393050	25.027	ng	98
70) Phenanthrene	11.28	178	2923176	135.527	ng	99
71) Anthracene	11.32	178	1127981	51.565	ng	100
72) Carbazole	11.47	167	427463	19.881	ng	99
74) Fluoranthene	12.47	202	3798044	178.976	ng	99
77) Pylene	12.70	202	3379169	170.631	ng	98
80) Benzo(a)anthracene	13.88	228	2062093	144.257	ng	99
82) Chrysene	13.92	228	1629115	109.297	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	85951	8.244	ng	99
85) Indeno(1,2,3-cd)pyrene	16.71	276	790612	72.877	ng	95
87) Benzo(b)fluoranthene	14.92	252	1965757m	137.548	ng	
88) Benzo(k)fluoranthene	14.94	252	734370m	53.267	ng	
89) Benzo(a)pyrene	15.27	252	1424702	110.783	ng	97
90) Dibenz(a,h)anthracene	16.72	278	199726	19.461	ng	93
91) Benzo(g,h,i)perylene	17.13	276	728500	70.468	ng	97

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

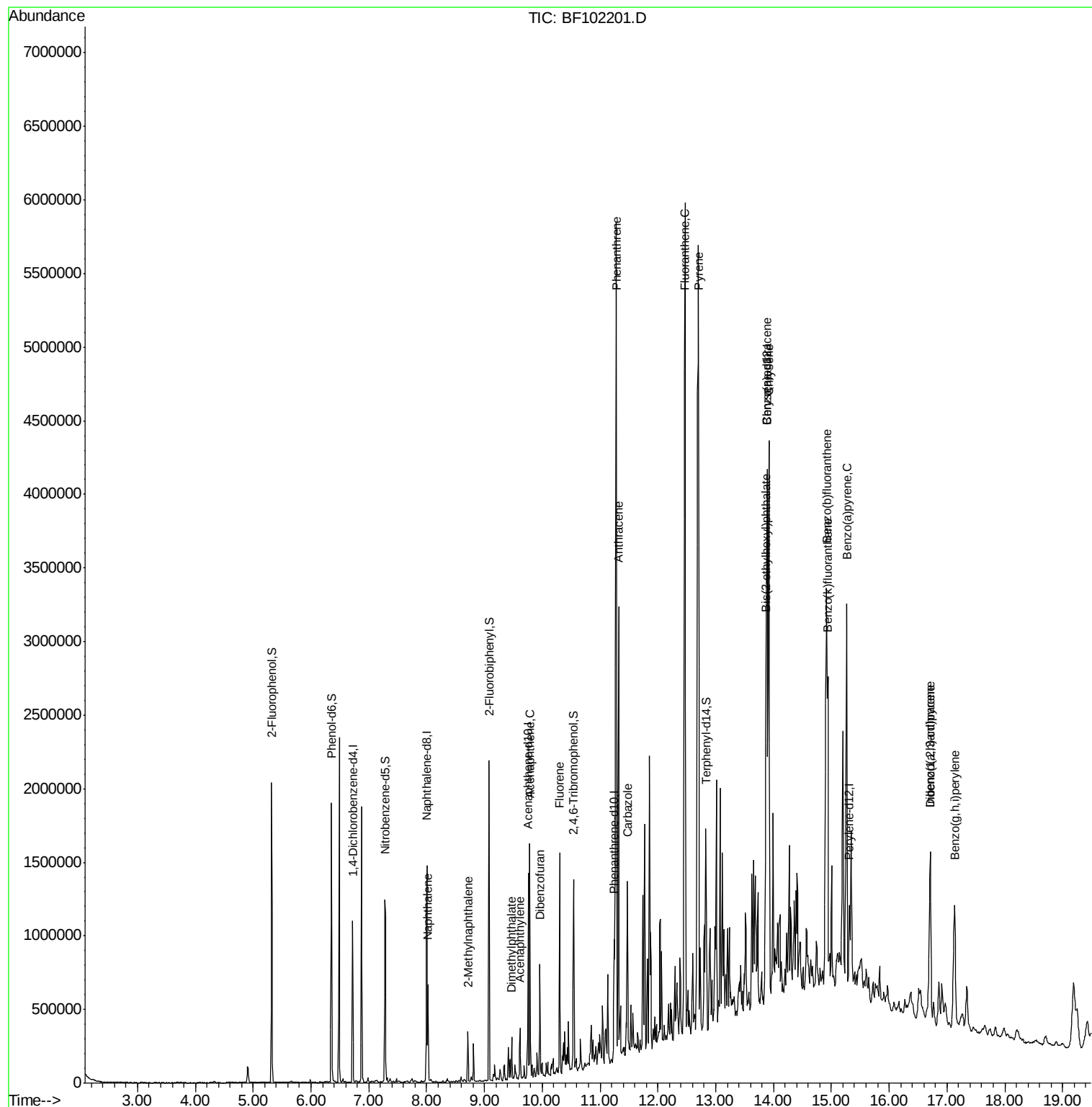
Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
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ALS Vial : 11 Sample Multiplier: 1

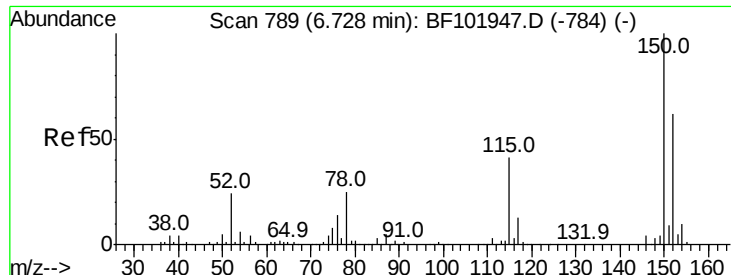
Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

Manual Integrations
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#1

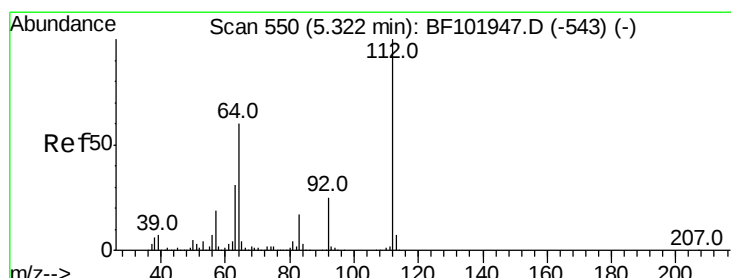
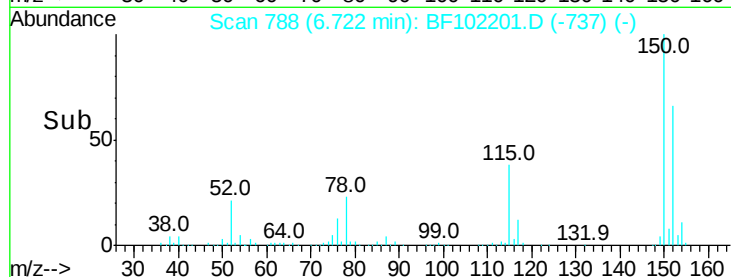
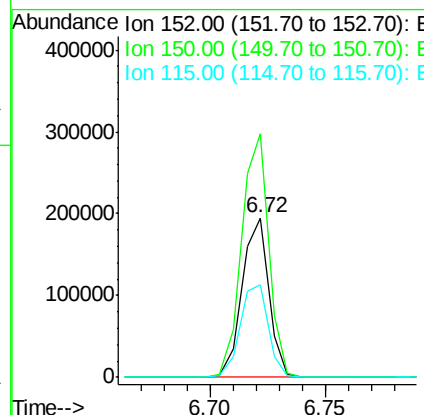
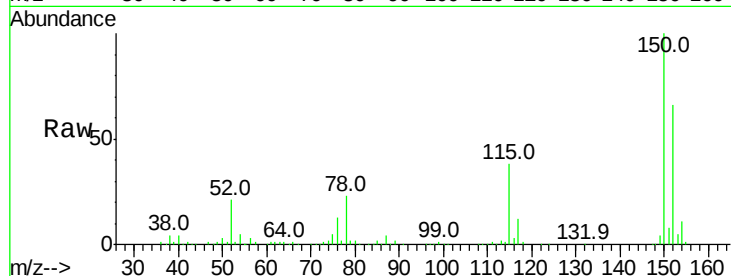
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	57.7	50.1	75.1

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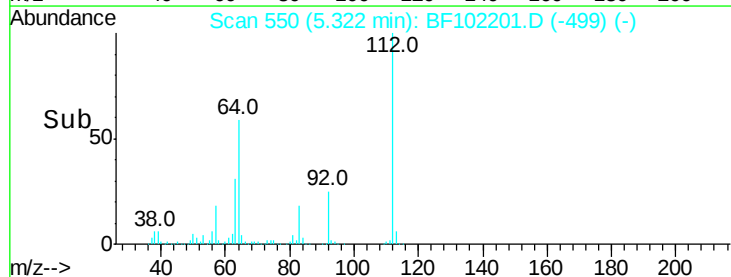
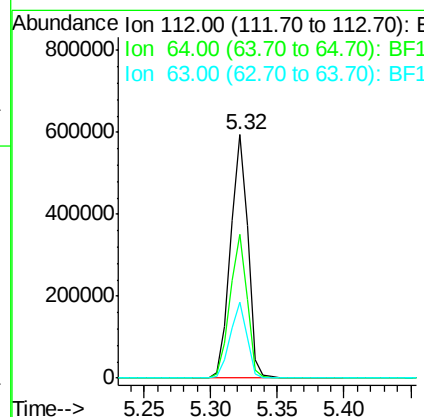
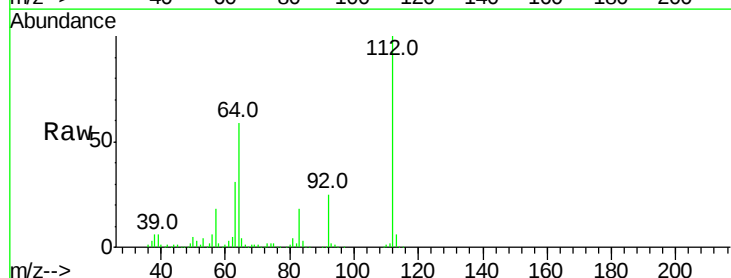
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#5

2-Fluorophenol
Concen: 49.283 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 48.402 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Instrument :

BNA_F

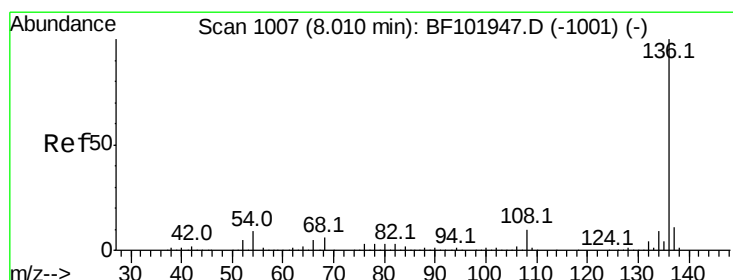
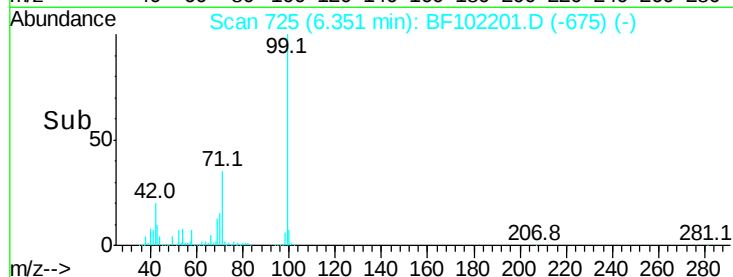
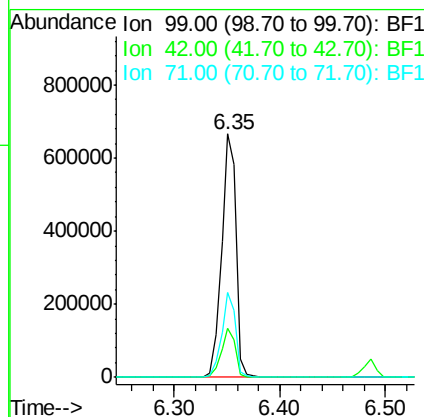
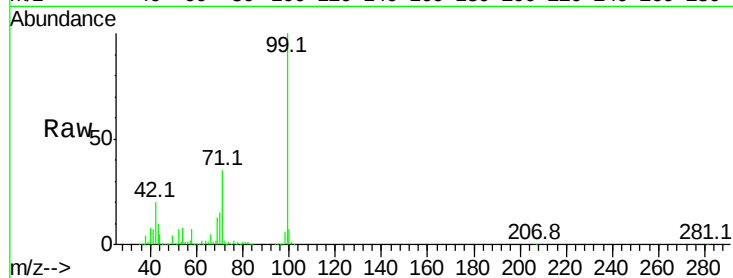
ClientSampleId :

EPE-125-9(0-5)

Tot Ion:	99	Resp:	645371
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	34.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

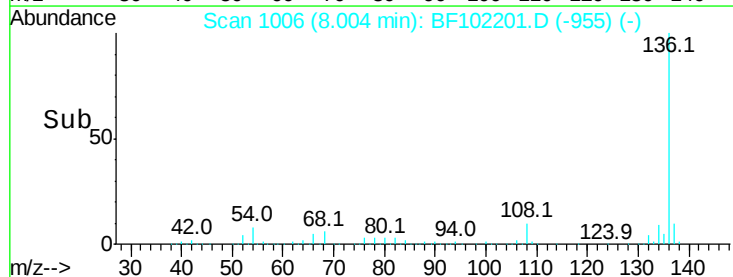
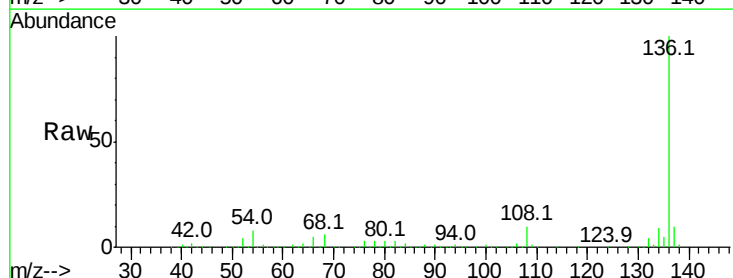
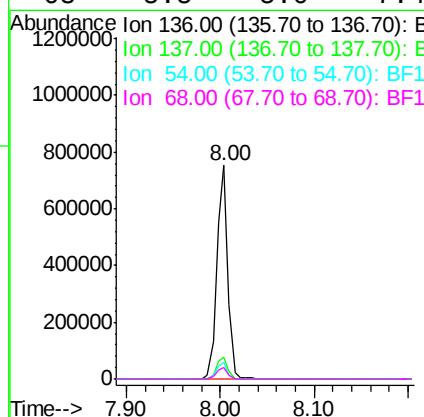
RT: 8.00 min Scan# 1006

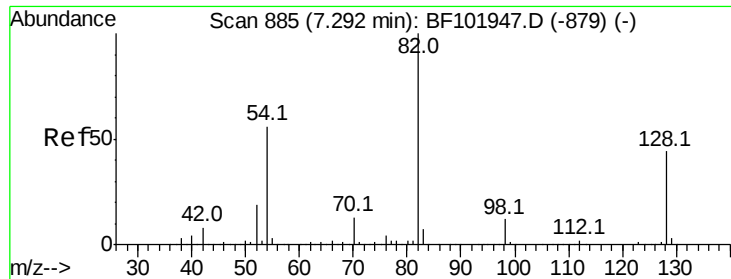
Delta R.T. -0.00 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Tgt Ion:	136	Resp:	619617
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	7.8	6.6	9.8
68	5.5	5.0	7.4





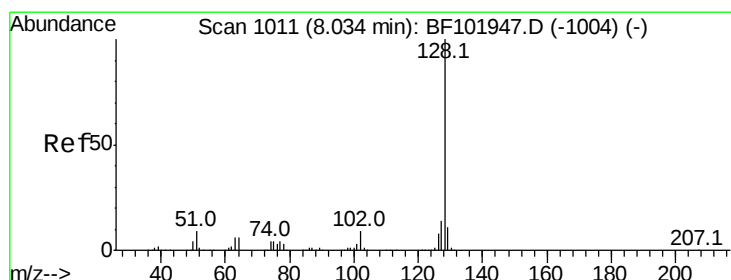
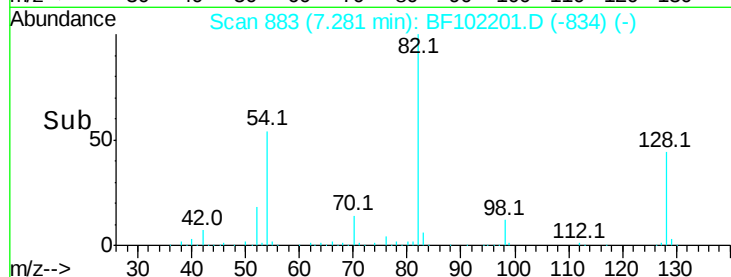
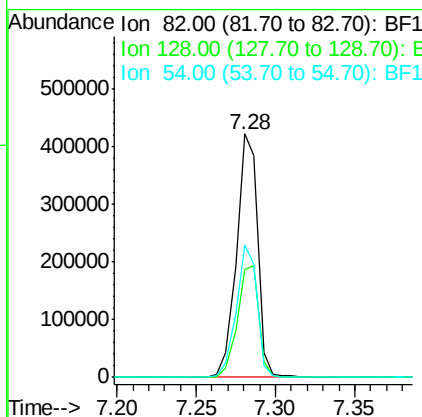
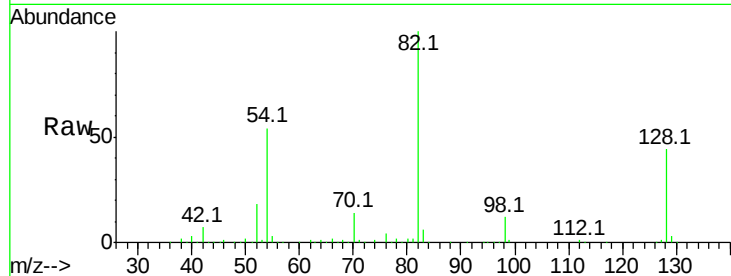
#23
Nitrobenzene-d5
Concen: 36.867 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.2	36.1	54.1	
54	54.3	41.4	62.2	

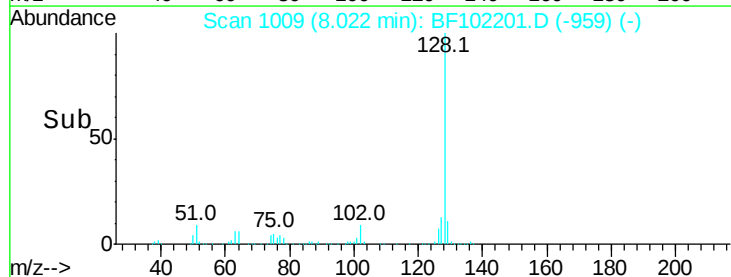
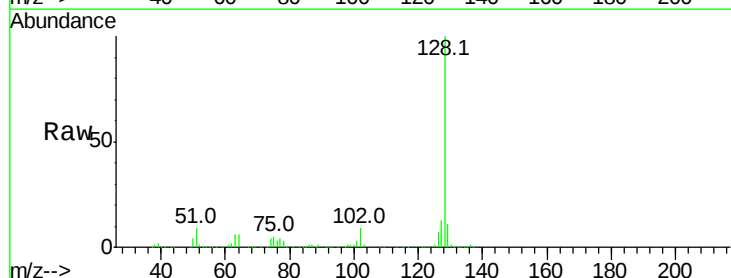
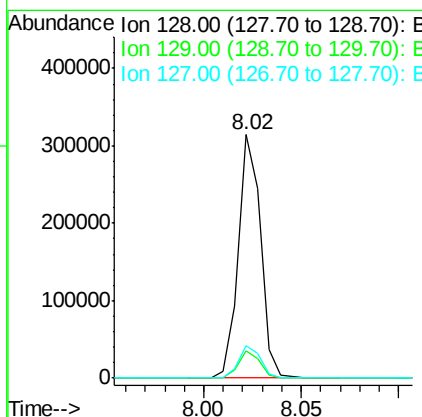
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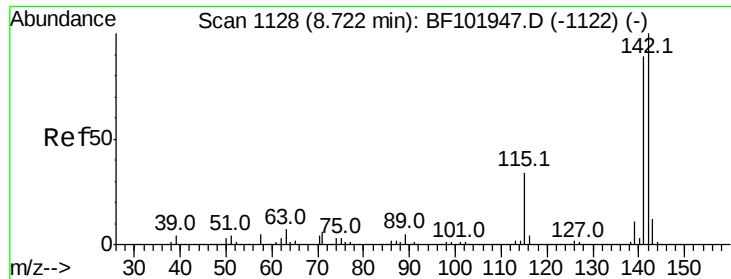
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#31
Naphthalene
Concen: 8.058 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	8.8	13.2	
127	13.4	10.9	16.3	





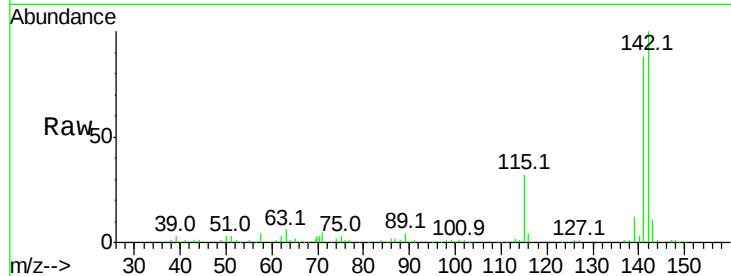
#37
2-Methylnaphthalene
Concen: 4.119 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

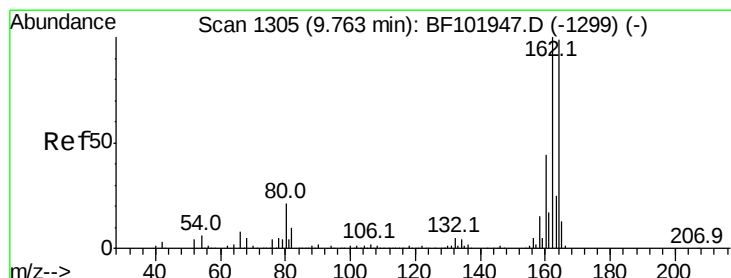
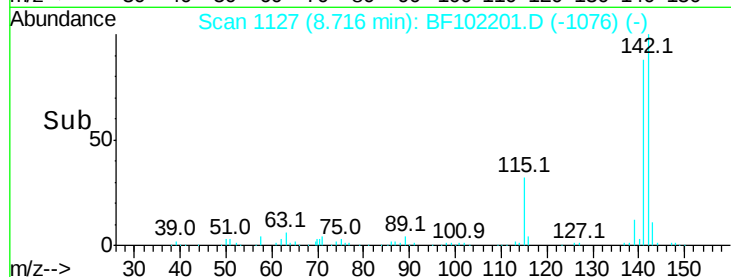
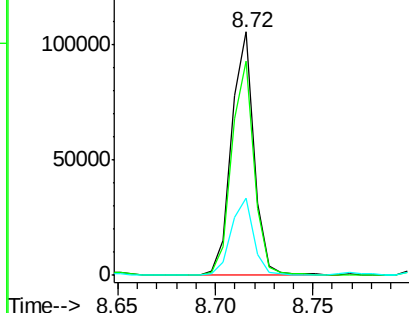
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2
115	31.5	26.1	39.1

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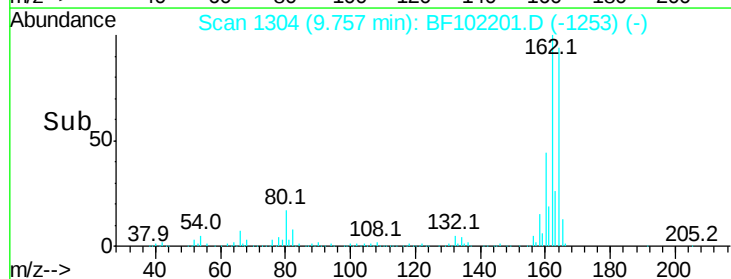
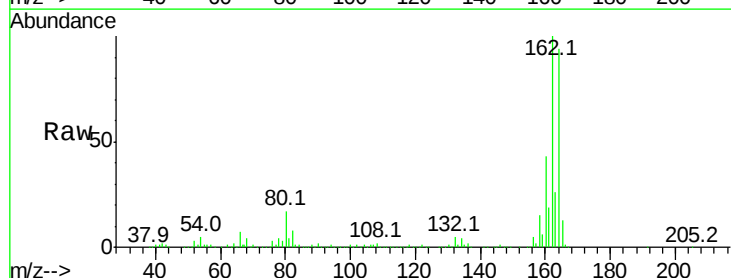
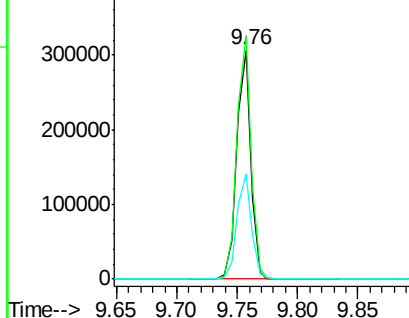
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	46.3	38.3	57.5

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





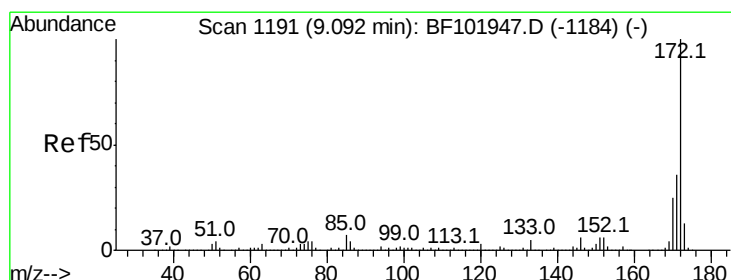
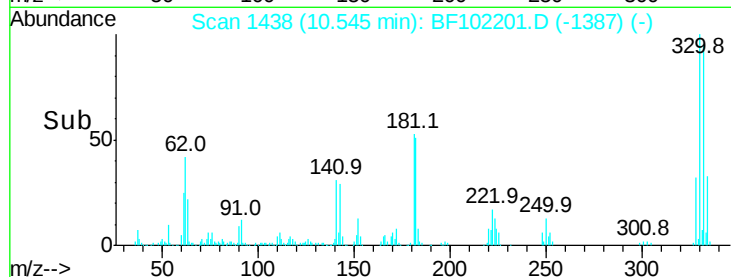
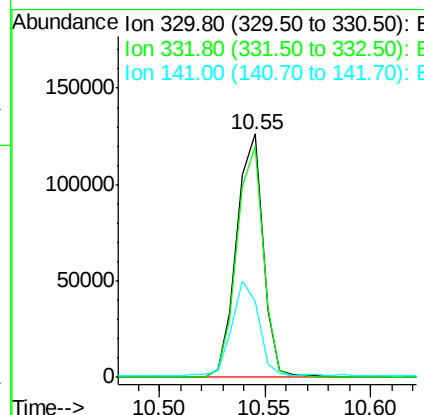
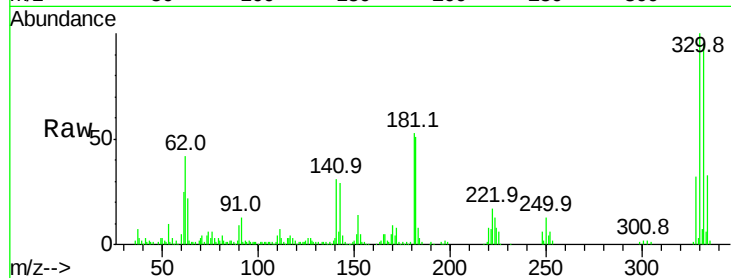
#41
 2,4,6-Tribromophenol
 Concen: 50.100 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	109620		
332	95.1	77.0	115.6	
141	40.7	29.9	44.9	

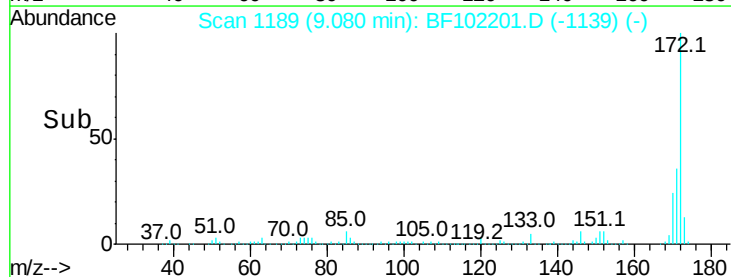
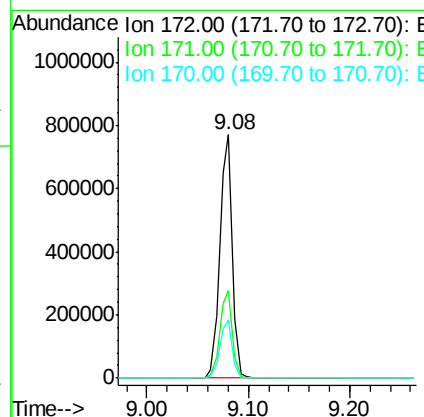
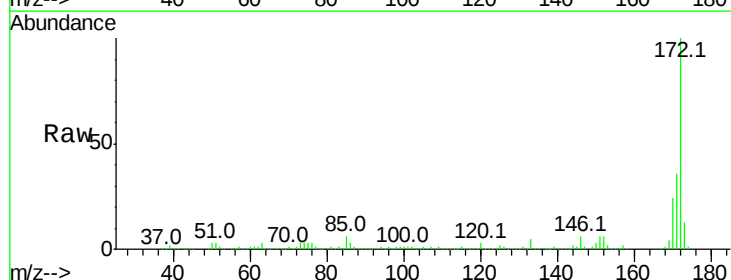
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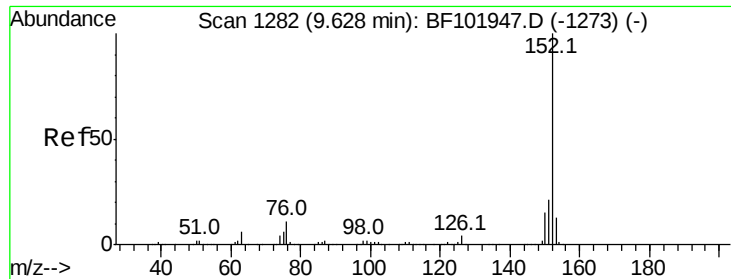
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#44
 2-Fluorobiphenyl
 Concen: 40.984 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	657741		
171	36.0	29.7	44.5	
170	23.9	19.6	29.4	





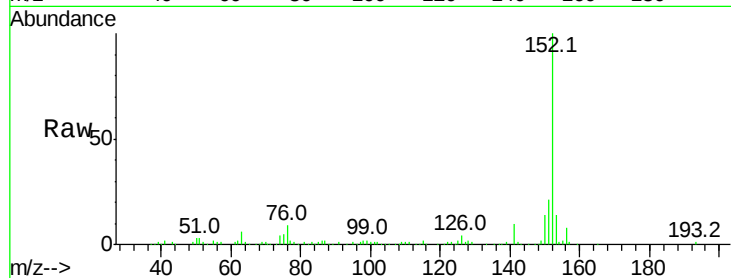
#48
Acenaphthylene
Concen: 4.109 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

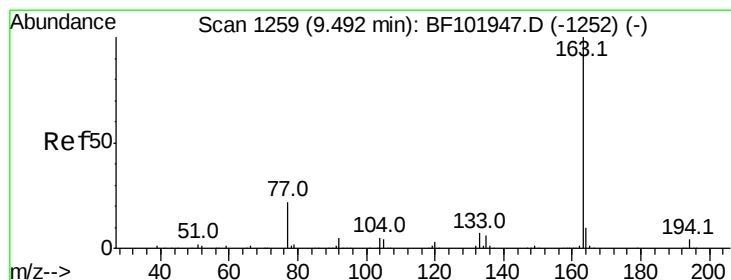
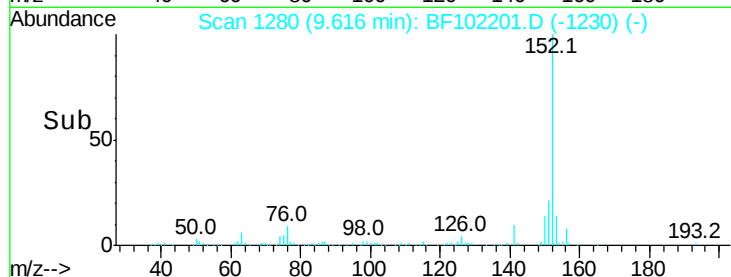
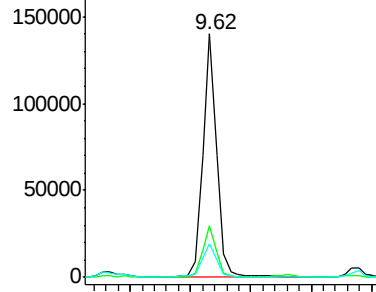
Tot Ion	Ratio	Resp	Lower	Upper
152	100	112062		
151	21.0		16.3	24.5
153	14.0		10.7	16.1

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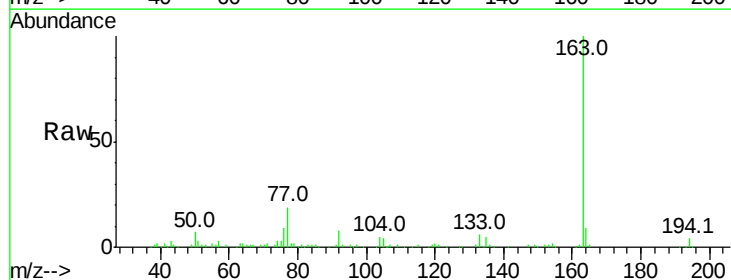


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

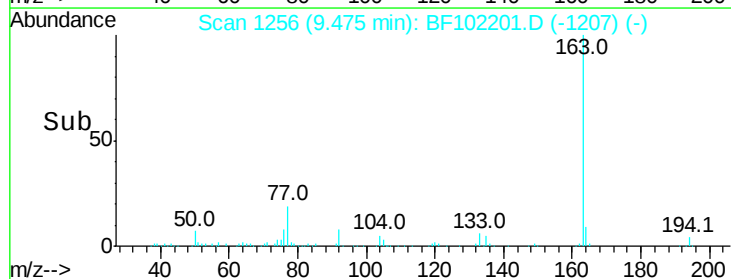
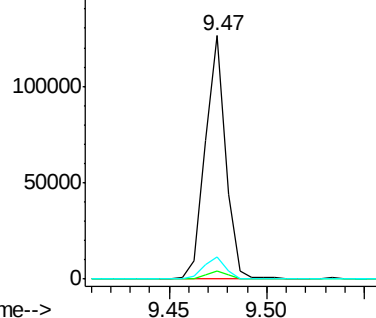


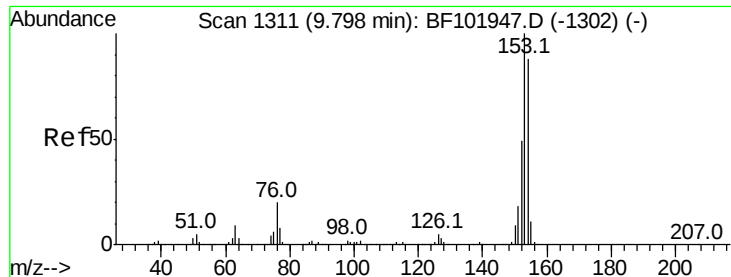
#49
Dimethylphthalate
Concen: 4.574 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	91997		
194	3.5		2.7	4.1
164	9.2		8.2	12.2



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





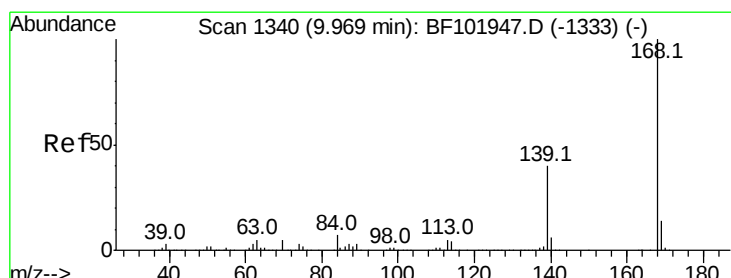
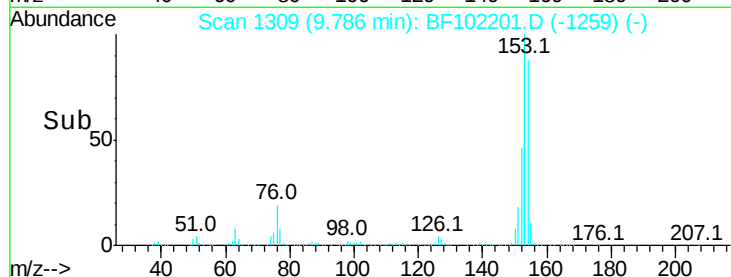
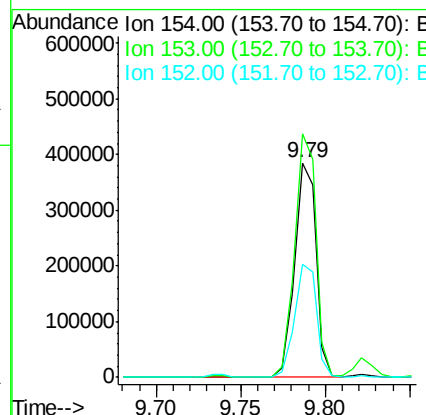
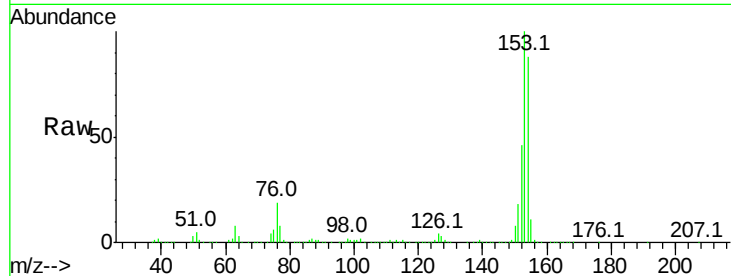
#51
Acenaphthene
Concen: 20.508 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.2	136.8
152	52.5	43.8	65.8

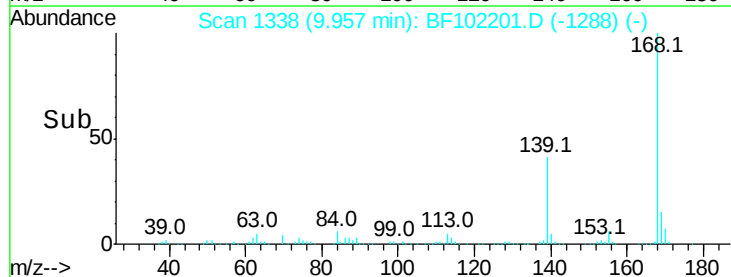
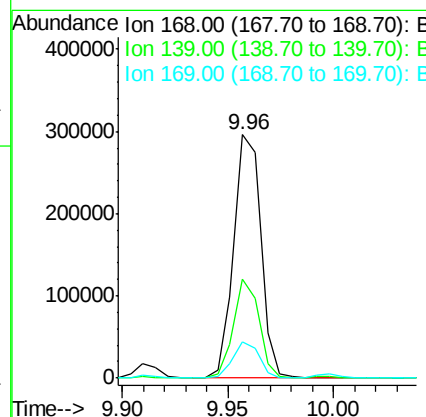
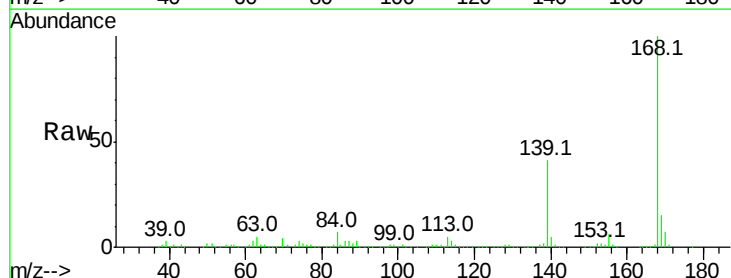
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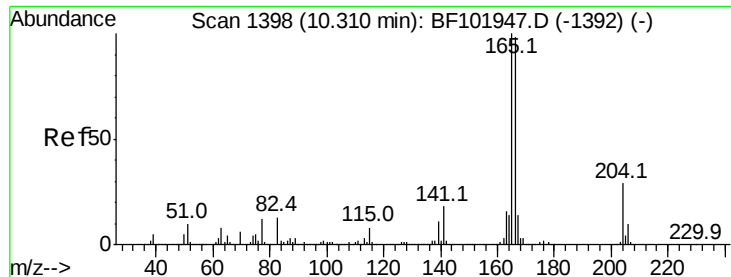
Sohil
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#54
Dibenzofuran
Concen: 11.534 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.6	30.1	45.1
169	14.7	10.9	16.3





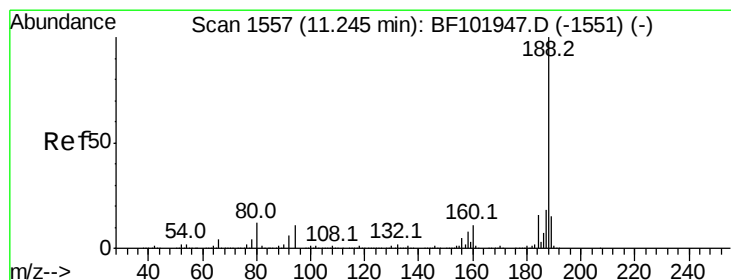
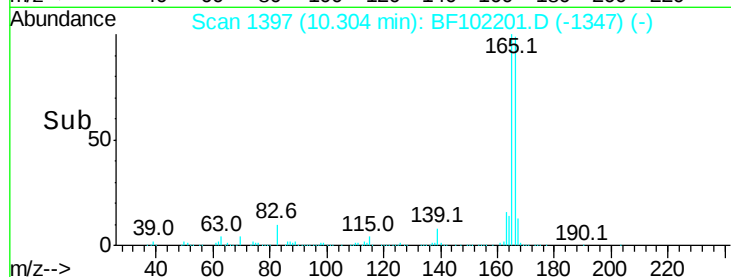
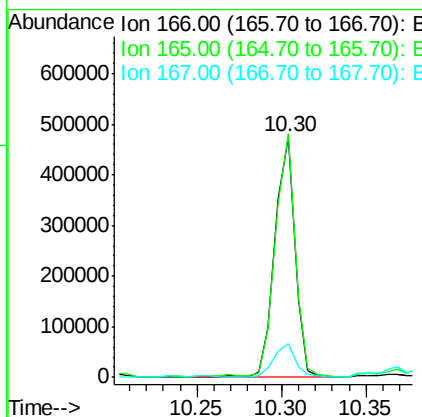
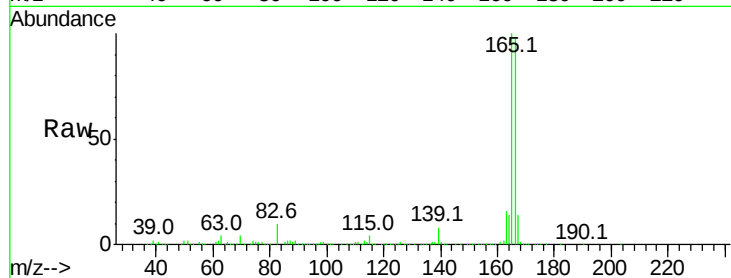
#57
Fluorene
 Concen: 25.027 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.8
167	13.8	10.6	16.0

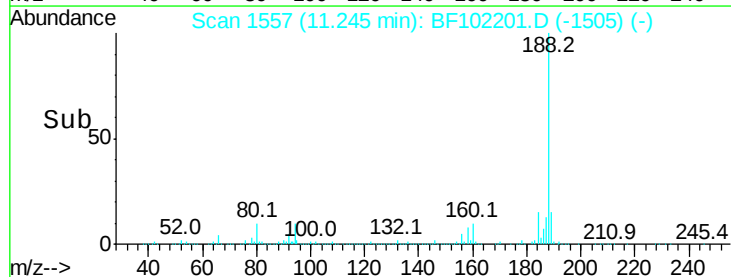
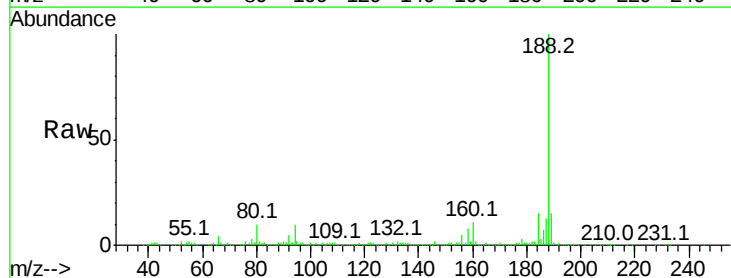
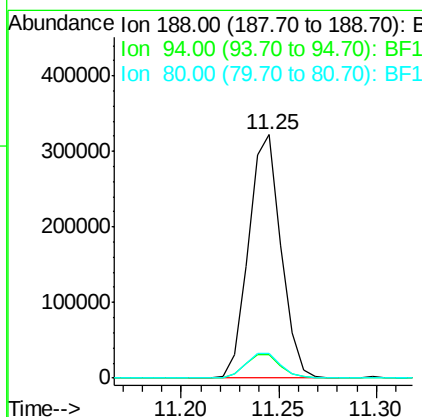
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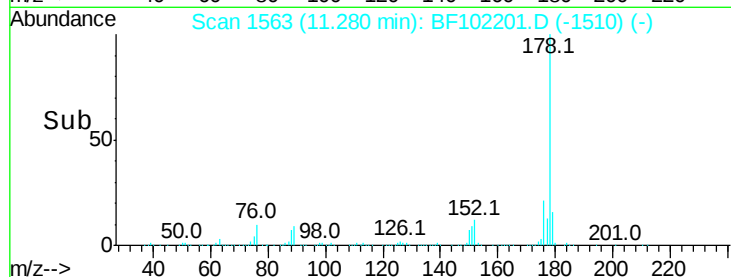
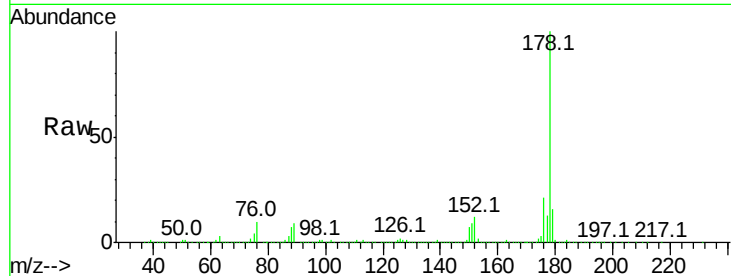
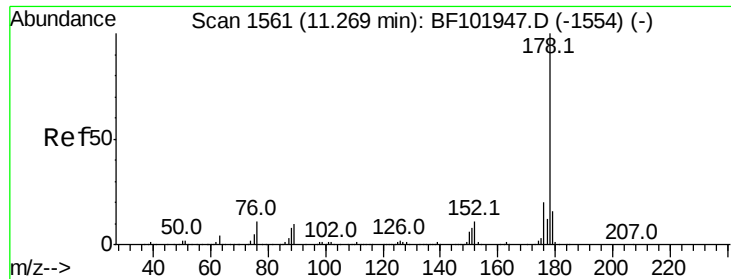
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.0	9.2	13.8





#70

Phenanthrene

Concen: 135.527 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Tot Ion:178 Resp: 2923176

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

179 15.9 13.0 19.6

Instrument :

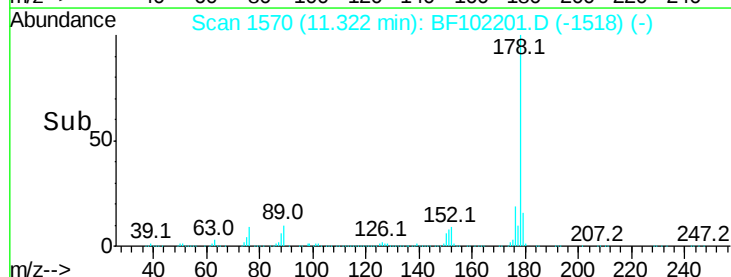
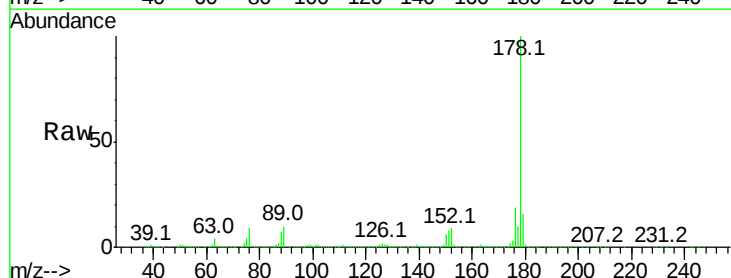
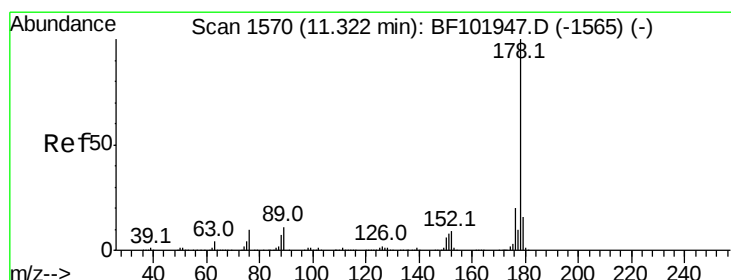
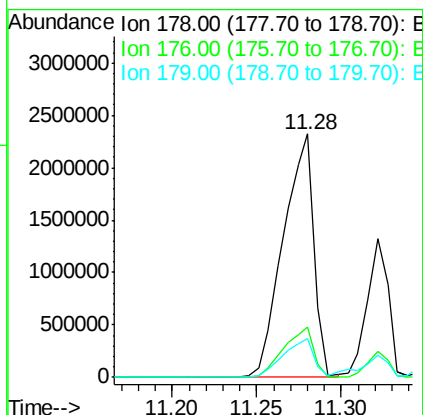
BNA_F

ClientSampleId :

EPE-125-9(0-5)

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#71

Anthracene

Concen: 51.565 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

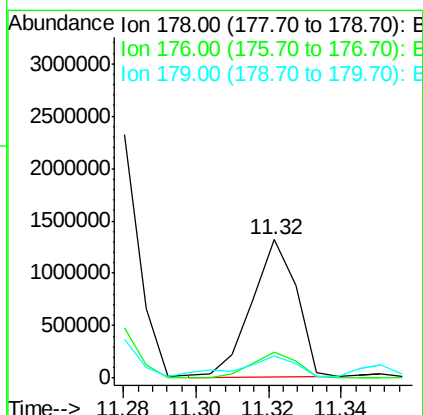
Tgt Ion:178 Resp: 1127981

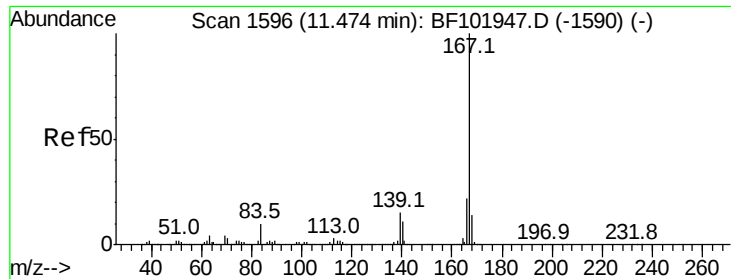
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.6 19.0





#72

Carbazole

Concen: 19.881 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Instrument :

BNA_F

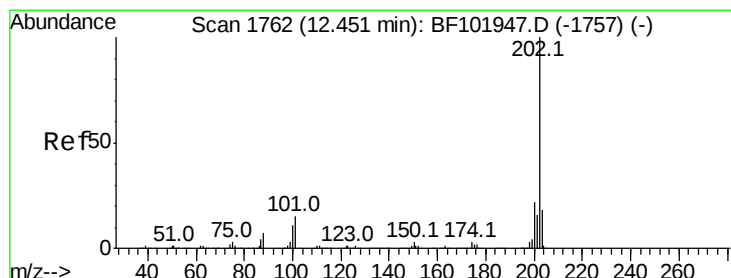
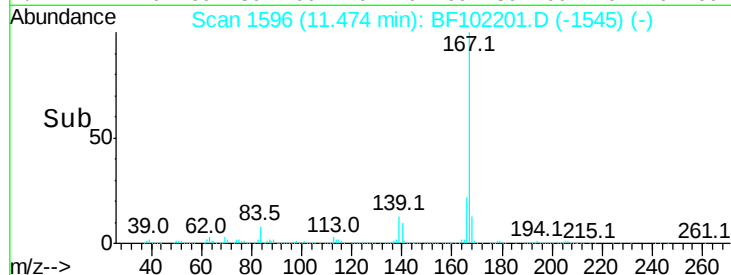
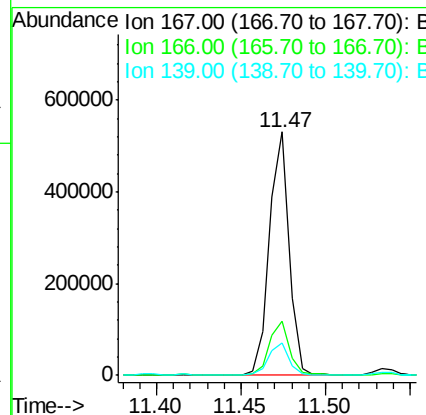
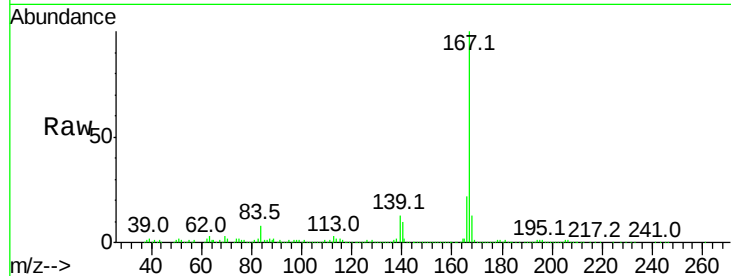
ClientSampleId :

EPE-125-9(0-5)

Tot Ion:	167	Resp:	427463
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.6	26.4
139	13.4	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 178.976 ng

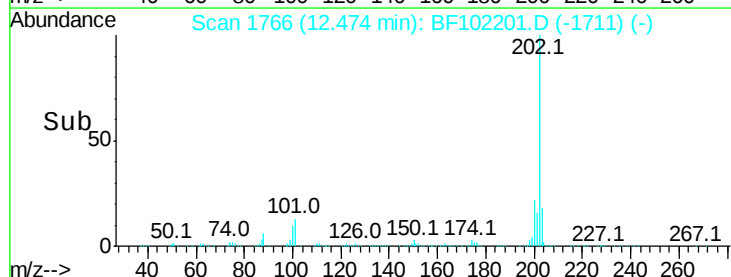
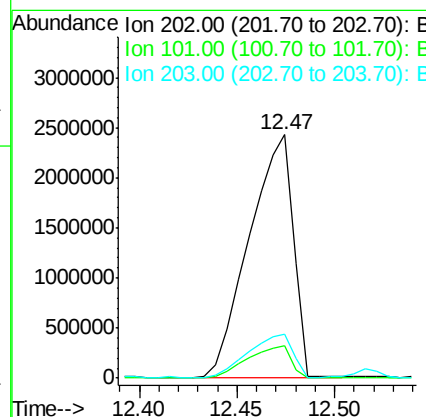
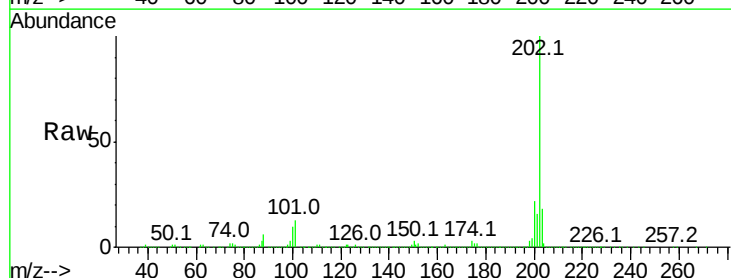
RT: 12.47 min Scan# 1766

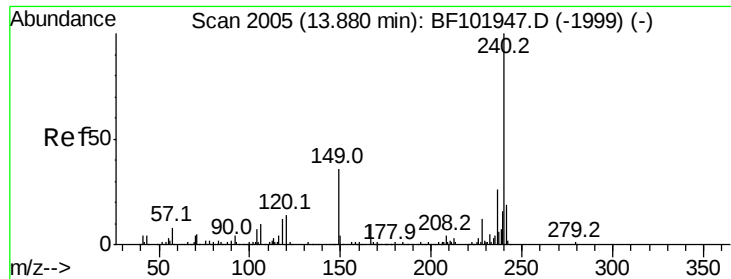
Delta R.T. 0.02 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Tgt Ion:	202	Resp:	3798044
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.1
203	18.2	0.0	38.1





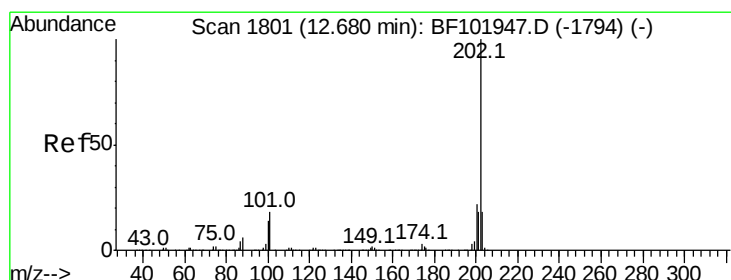
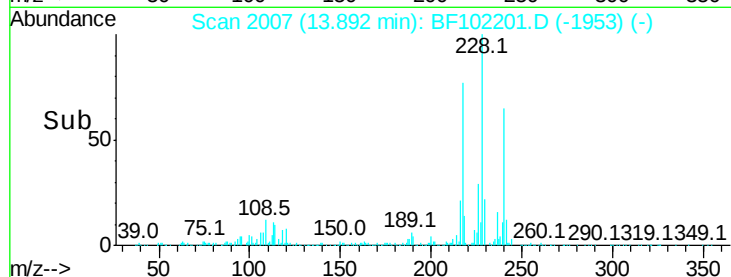
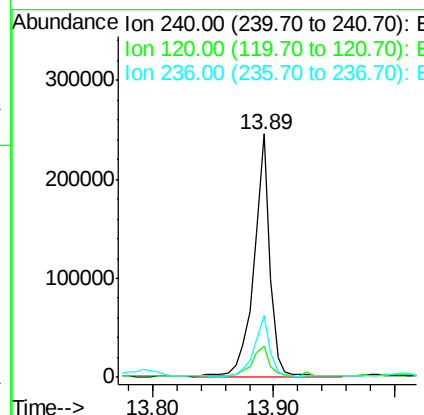
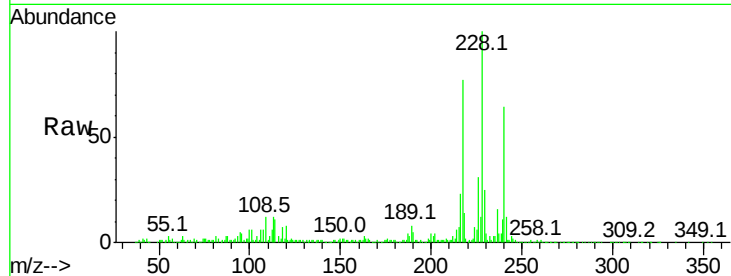
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.5	20.7	31.1

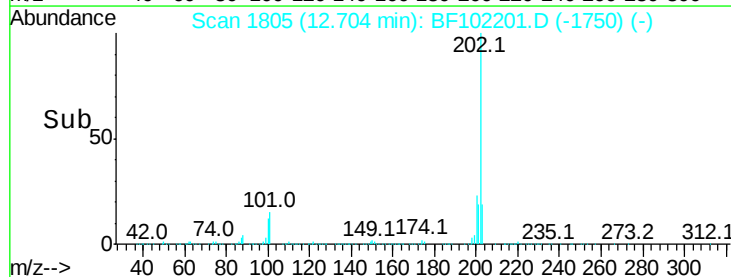
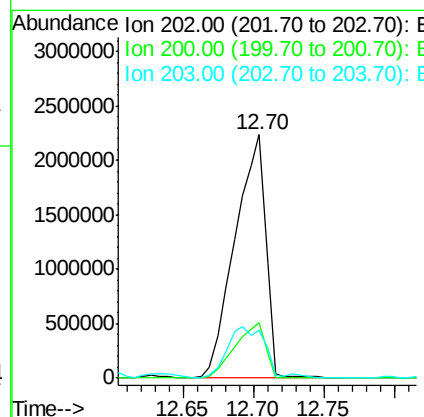
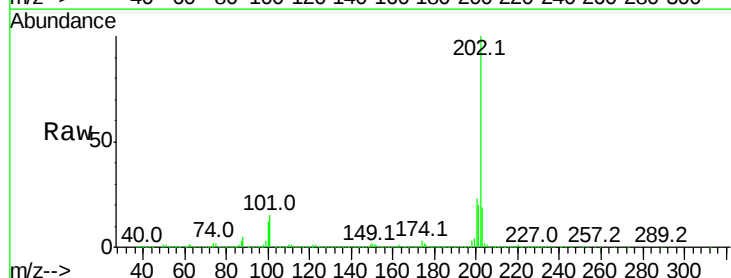
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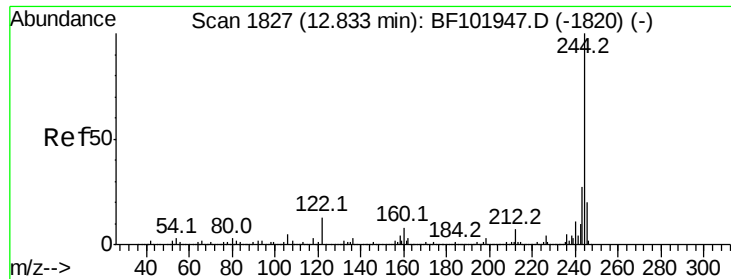
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#77
 Pyrene
 Concen: 170.631 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.02 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	19.4	14.3	21.5





#78

Terphenyl-d14

Concen: 38.584 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Instrument :

BNA_F

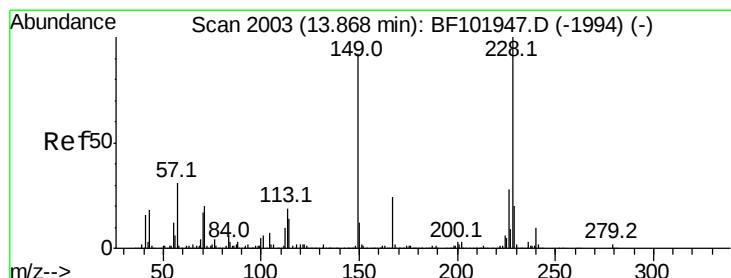
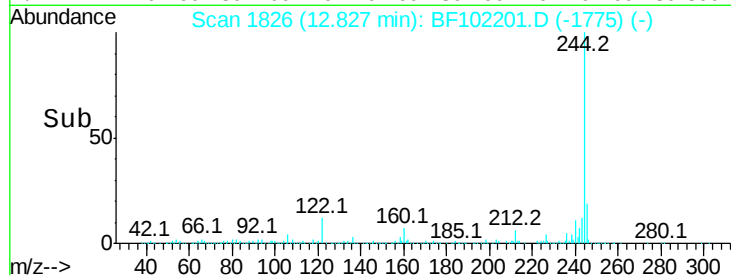
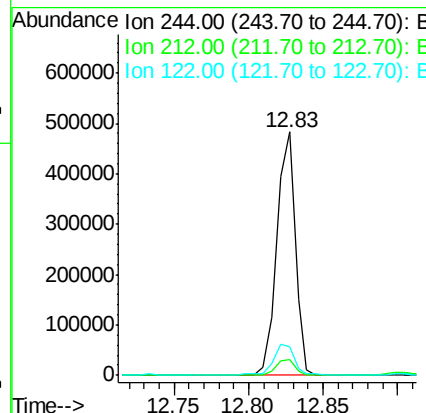
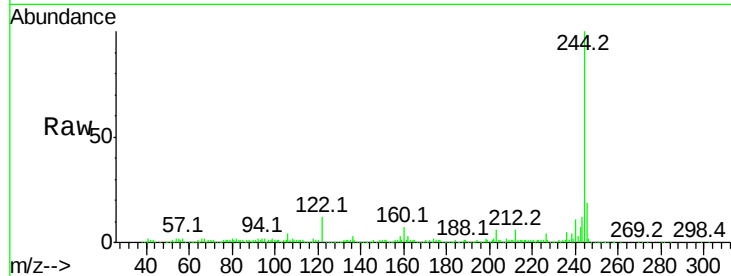
ClientSampleId :

EPE-125-9(0-5)

Tot Ion:	244	Resp:	416350
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	12.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 144.257 ng

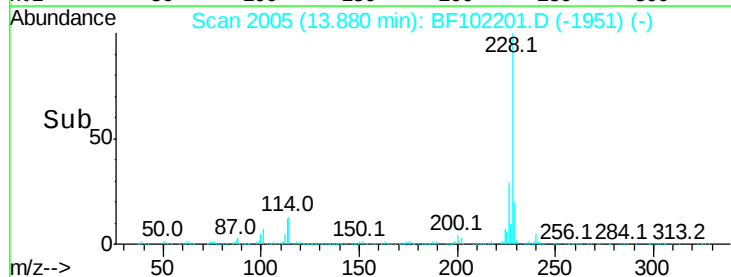
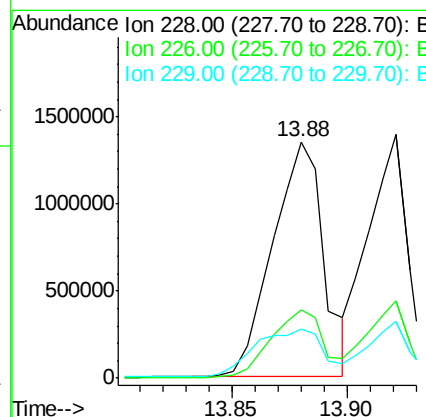
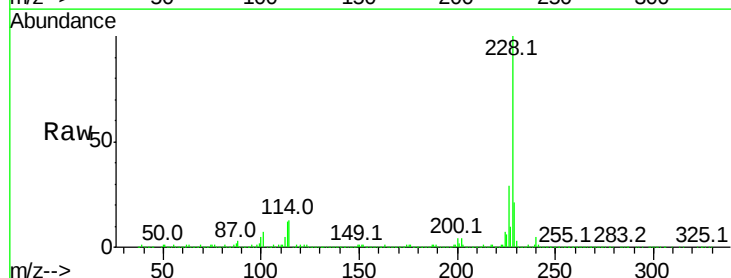
RT: 13.88 min Scan# 2005

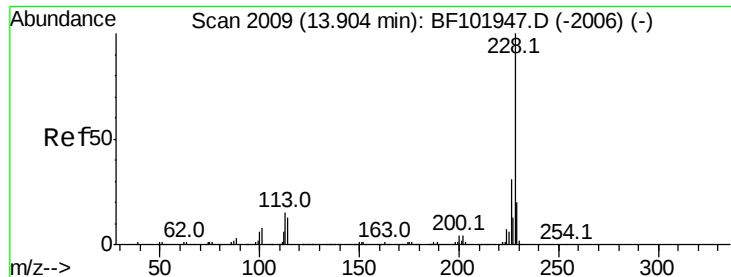
Delta R.T. 0.02 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Tgt Ion:	228	Resp:	2062093
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	20.5	15.8	23.6





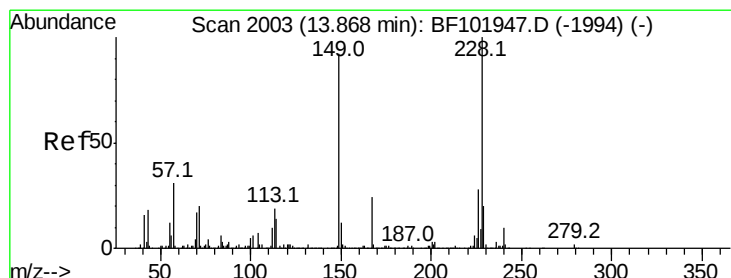
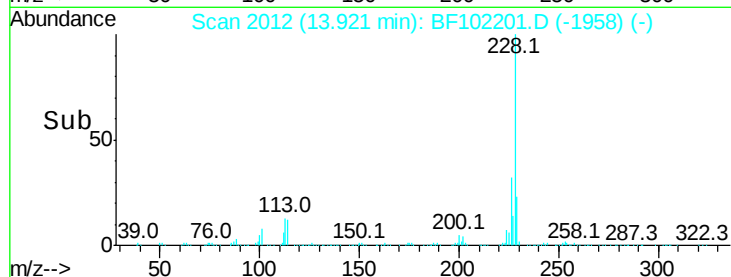
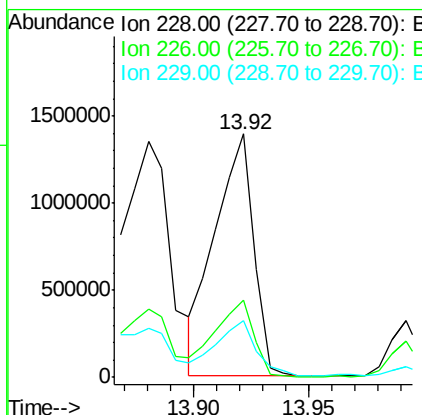
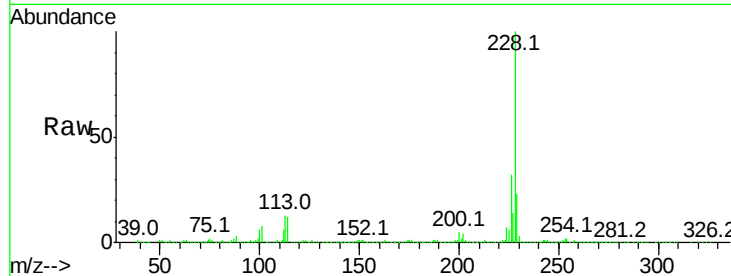
#82
 Chrysene
 Concen: 109.297 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.02 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)

Tot Ion:228 Resp: 1629115
 Ion Ratio Lower Upper
 228 100
 226 31.7 25.0 37.6
 229 23.3 16.2 24.4

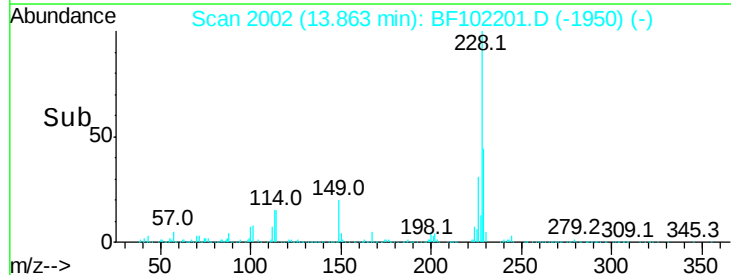
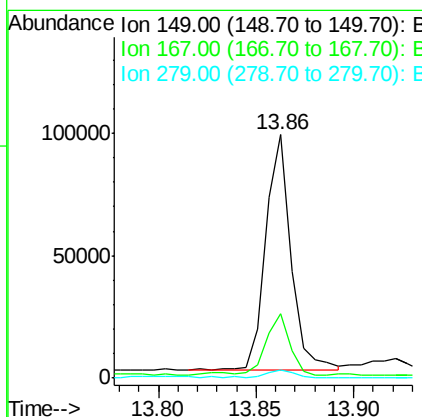
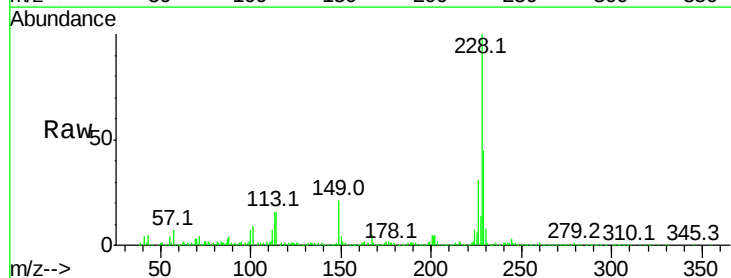
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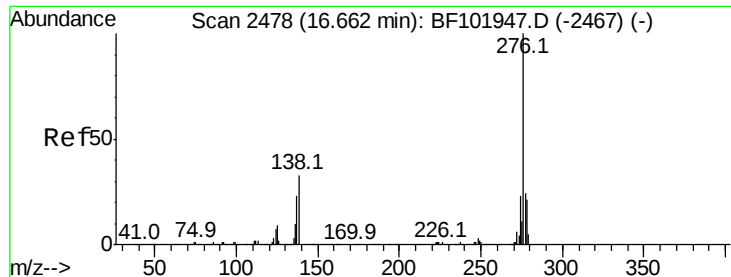
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.244 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF102201.D
 Acq: 18 Jan 2018 19:40

Tgt Ion:149 Resp: 85951
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.3 31.9
 279 3.2 3.0 4.4





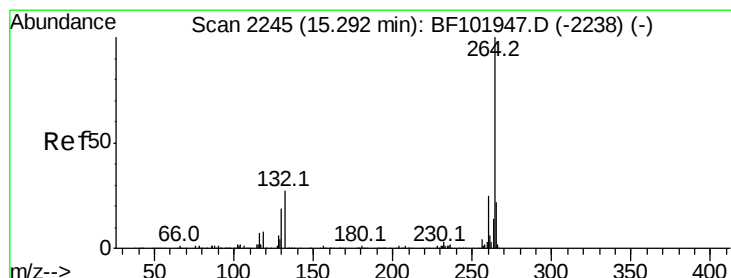
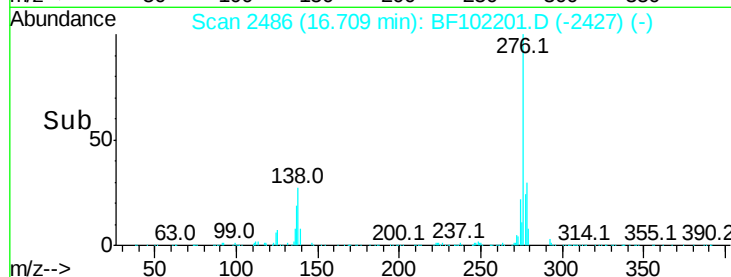
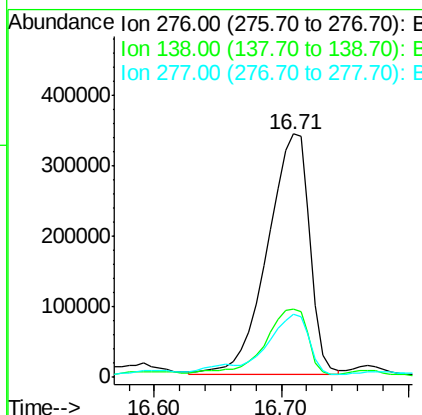
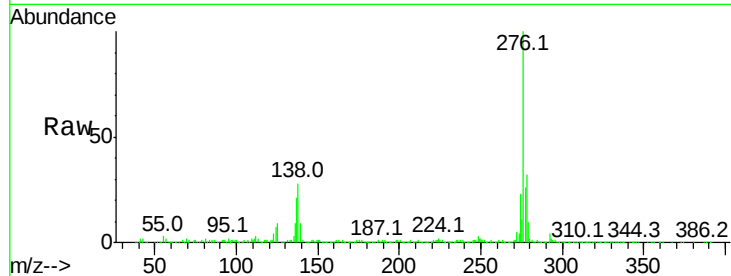
#85
Indeno(1,2,3-cd)pyrene
Concen: 72.877 ng
RT: 16.71 min Scan# 2486
Delta R.T. 0.05 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	27.3	20.1	30.1

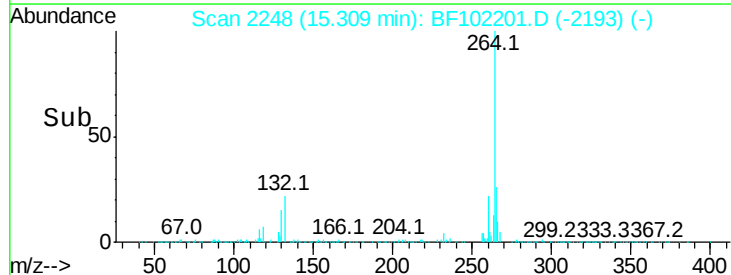
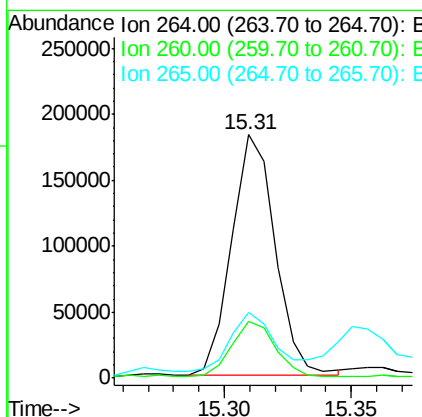
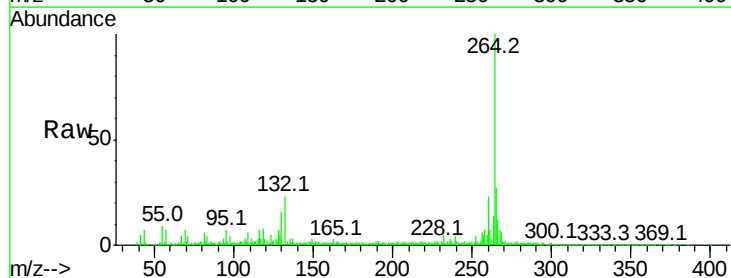
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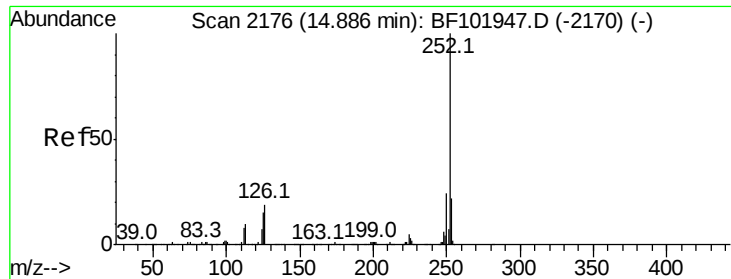
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	27.2	17.5	26.3#





#87

Benzo(b)fluoranthene

Concen: 137.548 ng m

RT: 14.92 min Scan# 2181

Delta R.T. 0.03 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Instrument :

BNA_F

ClientSampleId :

EPE-125-9(0-5)

Tot Ion:252 Resp: 1965757

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

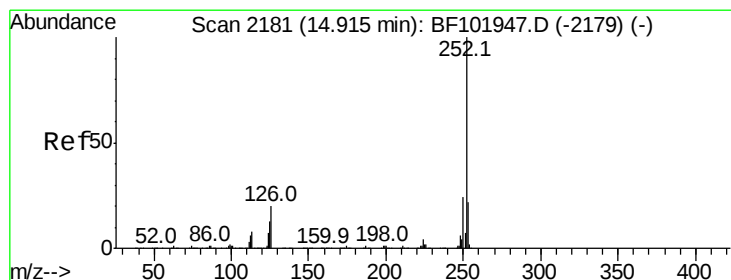
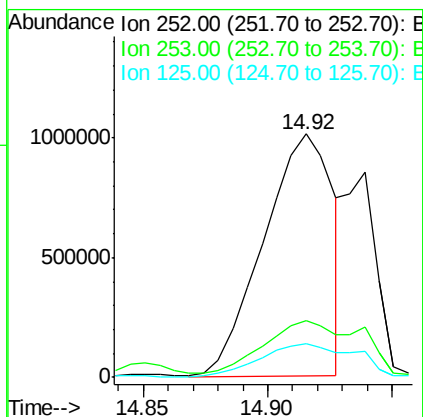
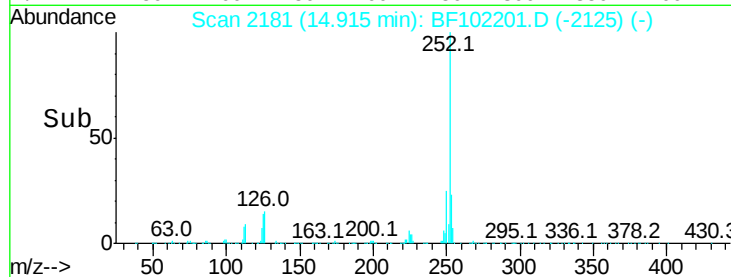
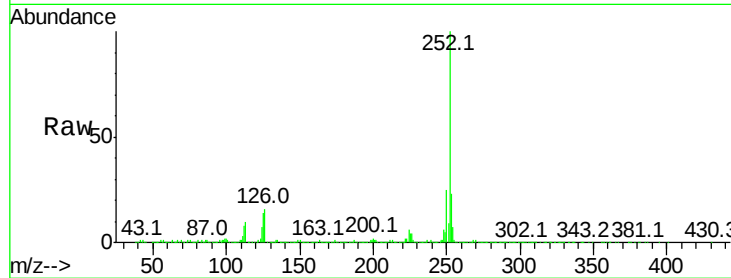
125 13.9 9.0 13.6#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 53.267 ng m

RT: 14.94 min Scan# 2185

Delta R.T. 0.02 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

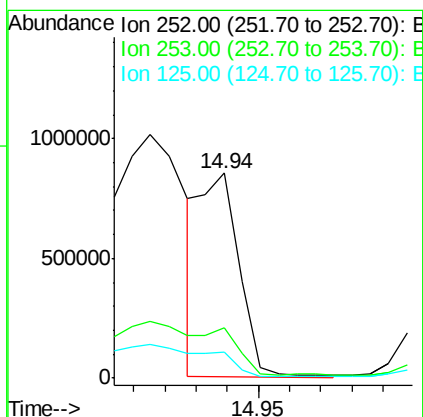
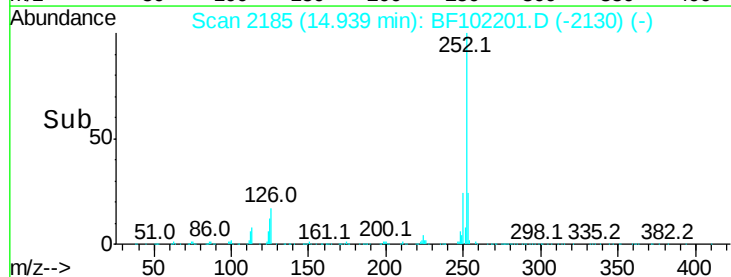
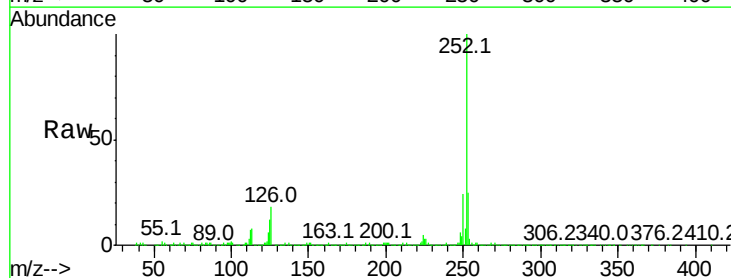
Tgt Ion:252 Resp: 734370

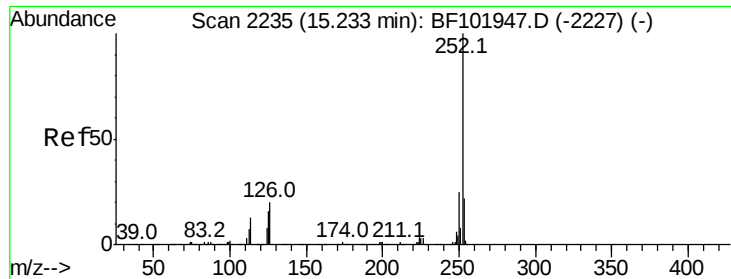
Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

125 12.4 10.2 15.2





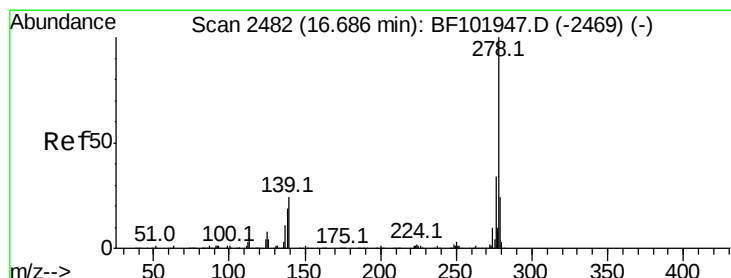
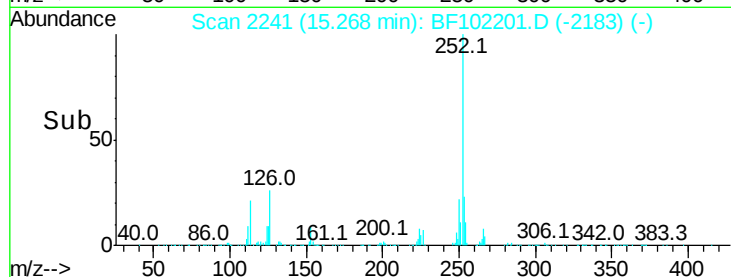
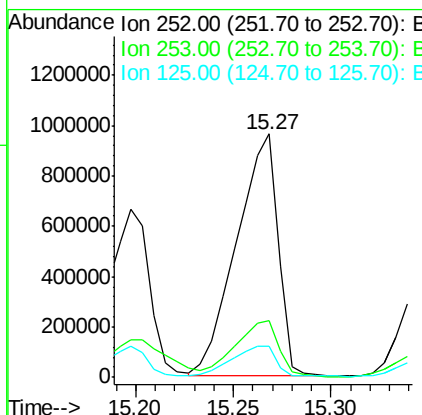
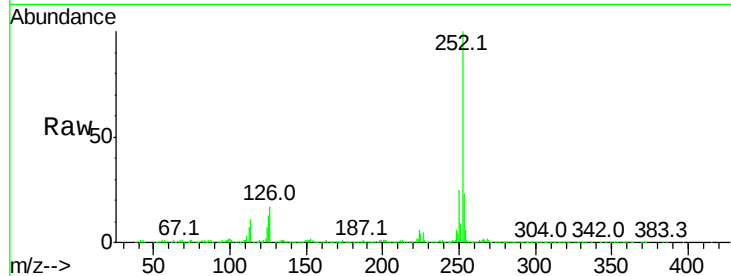
#89
Benzo(a)pyrene
Concen: 110.783 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.04 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)

Tot Ion:252 Resp: 1424702
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 12.7 9.8 14.6

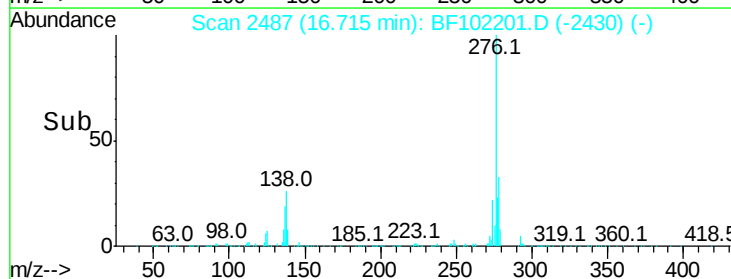
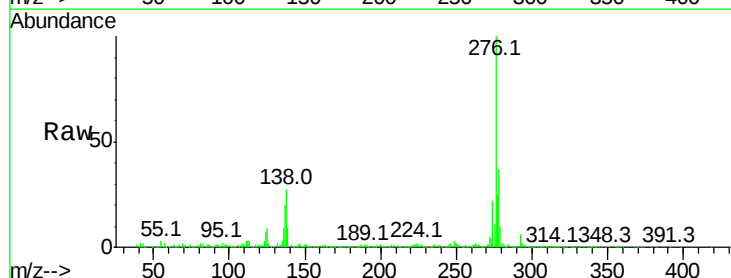
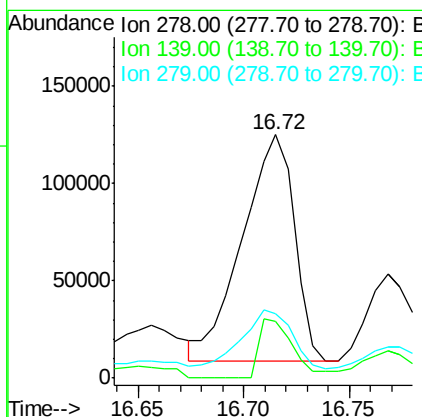
Manual Integrations
APPROVED

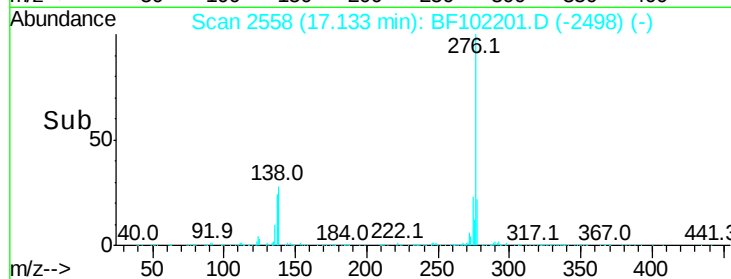
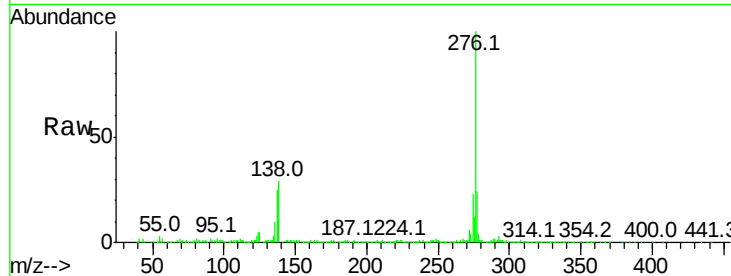
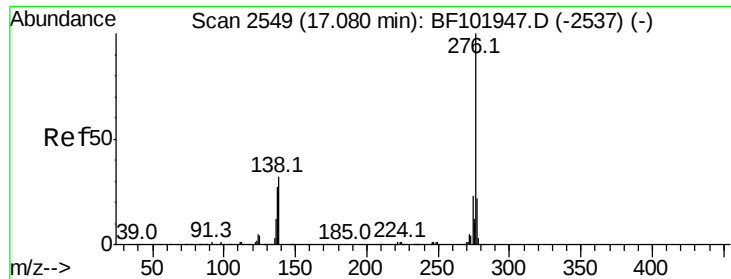
Sohil
1/19/2018 9:47:35 AM



#90
Dibenzo(a,h)anthracene
Concen: 19.461 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.04 min
Lab File: BF102201.D
Acq: 18 Jan 2018 19:40

Tgt Ion:278 Resp: 199726
Ion Ratio Lower Upper
278 100
139 23.4 15.9 23.9
279 26.7 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 70.468 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.05 min

Lab File: BF102201.D

Acq: 18 Jan 2018 19:40

Instrument :

BNA_F

ClientSampleId :

EPE-125-9(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	29.2	21.8	32.8

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:35 AM

