

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101602.D
 Acq On : 21 Dec 2017 13:08
 Operator : SJ/JU
 Sample : I6961-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-3DS(0-5)

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:41:40 PM

Quant Time: Dec 21 13:47:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	144851	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	571740	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	245929	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	405825	20.00	ng	0.00
75) Chrysene-d12	13.97	240	248453	20.00	ng	0.00
86) Perylene-d12	15.43	264	306805	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	978054	100.58	ng	0.00
7) Phenol-d6	6.44	99	1162013	96.02	ng	0.00
23) Nitrobenzene-d5	7.36	82	755328	73.54	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	194763	82.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1176748	74.23	ng	0.00
78) Terphenyl-d14	12.90	244	790400	76.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	59140	4.287	ng	83
31) Naphthalene	8.10	128	83002	2.884	ng	98
37) 2-Methylnaphthalene	8.79	142	46963	2.504	ng	99
49) Dimethylphthalate	9.55	163	199742	10.097	ng	100
51) Acenaphthene	9.86	154	49637	3.134	ng	98
54) Dibenzofuran	10.04	168	51206	2.544	ng	# 95
57) Fluorene	10.38	166	64313	3.778	ng	99
70) Phenanthrene	11.34	178	791180	35.057	ng	99
71) Anthracene	11.40	178	191724	8.317	ng	99
72) Carbazole	11.56	167	51431	2.383	ng	98
74) Fluoranthene	12.54	202	711117	30.019	ng	98
77) Pylene	12.77	202	667404	35.793	ng	99
80) Benzo(a)anthracene	13.96	228	342576	20.881	ng	98
82) Chrysene	14.00	228	304709	19.671	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	187384	13.585	ng	# 92
87) Benzo(b)fluoranthene	15.01	252	377709m	20.198	ng	
88) Benzo(k)fluoranthene	15.03	252	114253m	6.284	ng	
89) Benzo(a)pyrene	15.37	252	283277	16.432	ng	98
90) Dibenzo(a,h)anthracene	16.90	278	48993m	3.310	ng	
91) Benzo(a,h,i)perylene	17.36	276	189001	12.895	ng	93

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

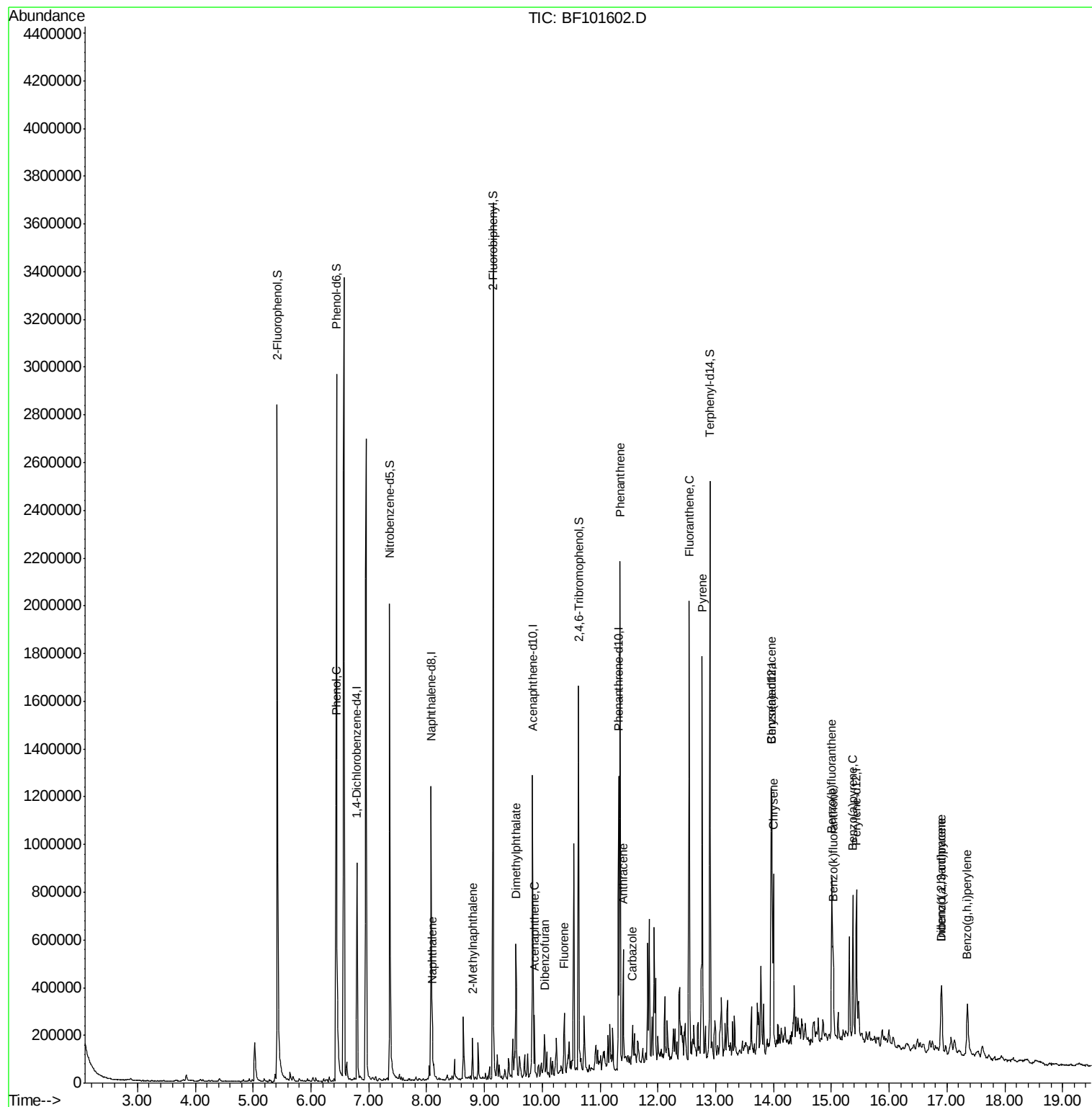
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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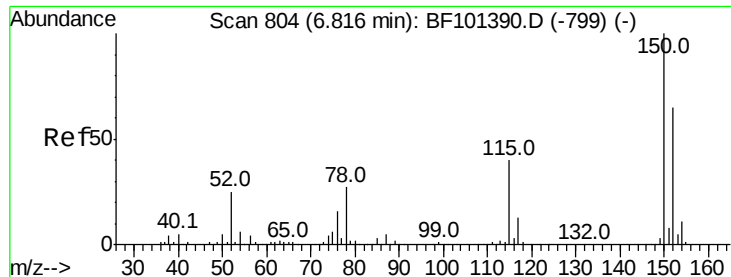
Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

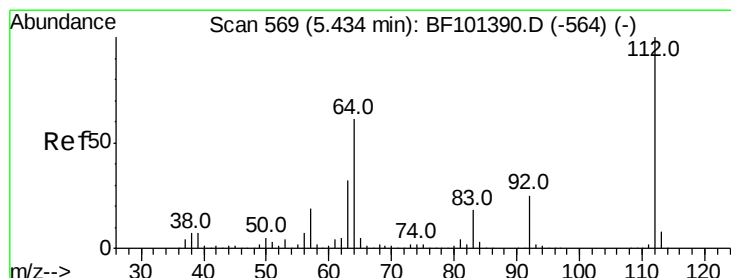
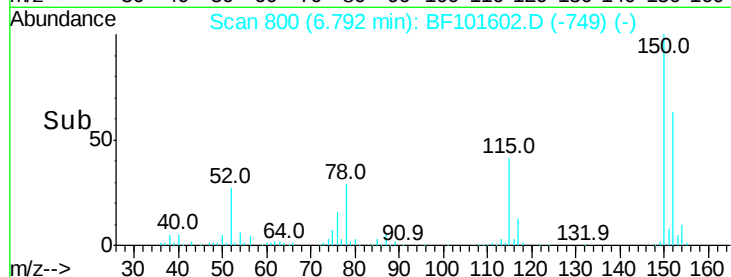
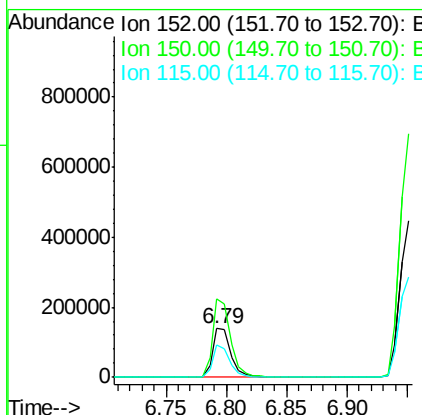
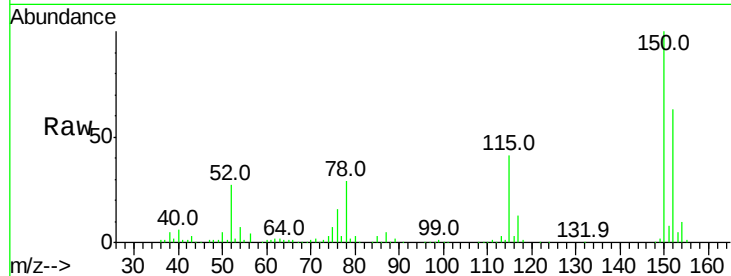
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	65.7	50.1	75.1

Manual Integrations
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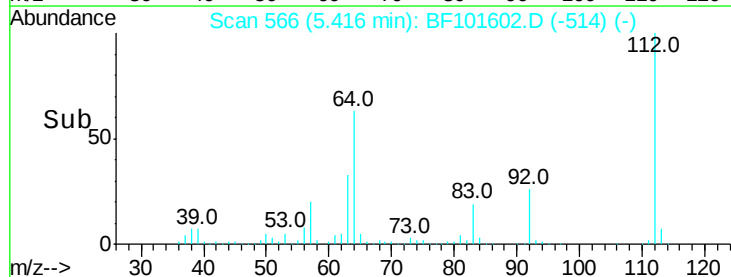
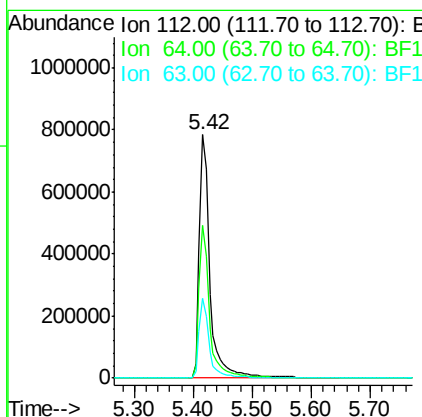
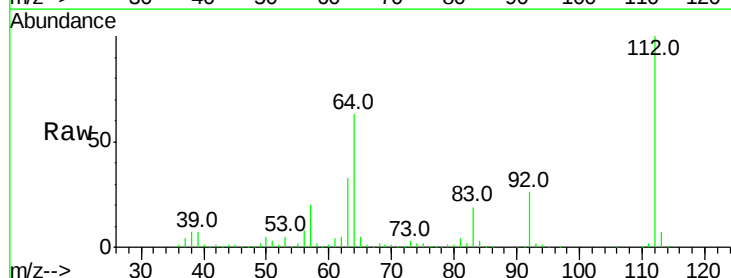
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#5

2-Fluorophenol
Concen: 100.578 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 96.016 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Instrument :

BNA_F

ClientSampleId :

EPE-106-3DS(0-5)

Tot Ion: 99 Resp: 1162013

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

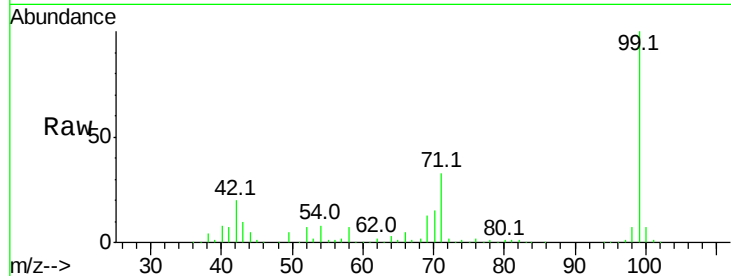
71 32.8 25.4 38.0

Manual Integrations

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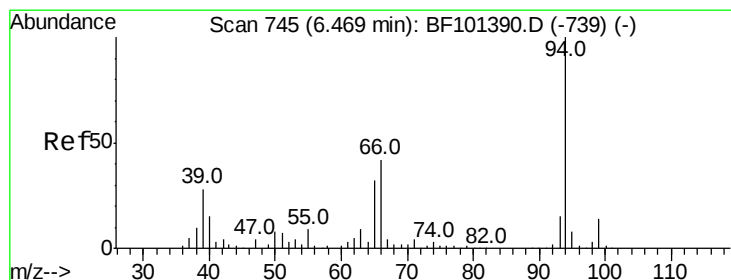
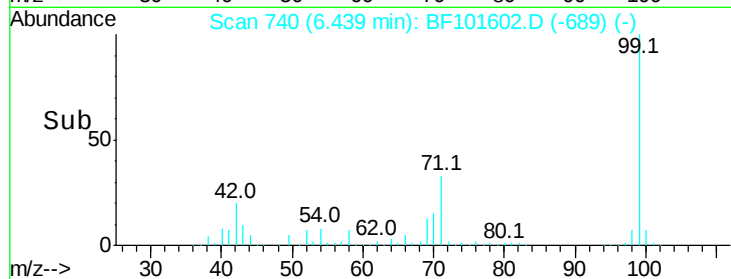
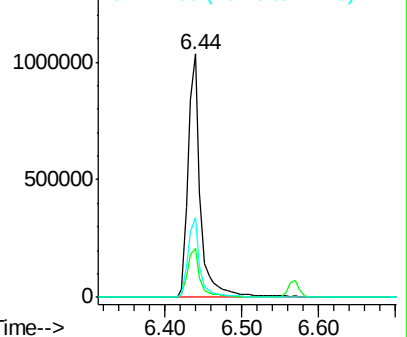
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.287 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

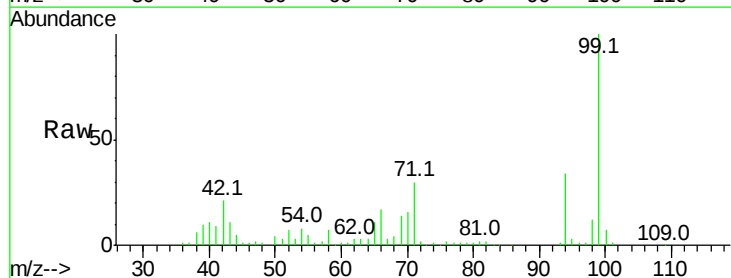
Tgt Ion: 94 Resp: 59140

Ion Ratio Lower Upper

94 100

65 31.0 7.9 47.9

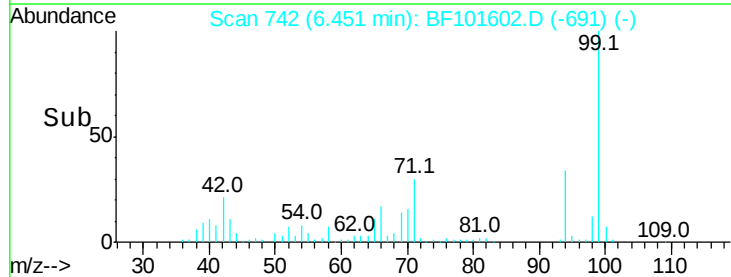
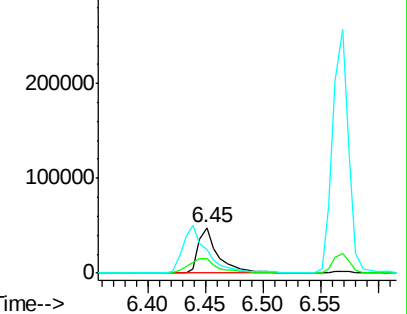
66 51.4 16.2 56.2

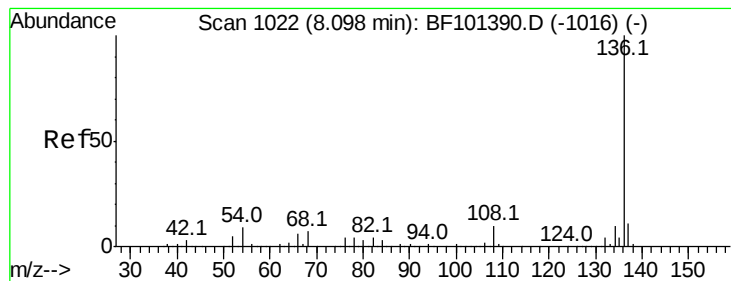


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Instrument :

BNA_F

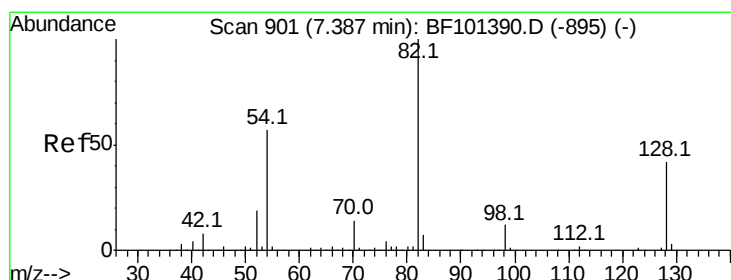
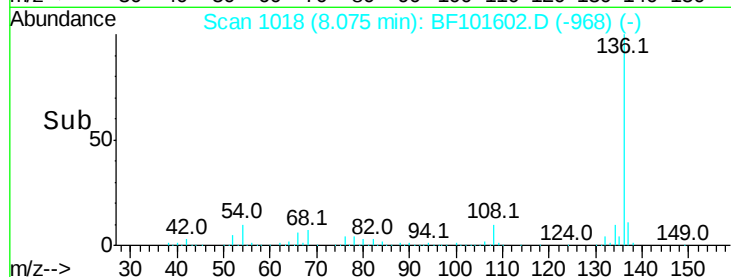
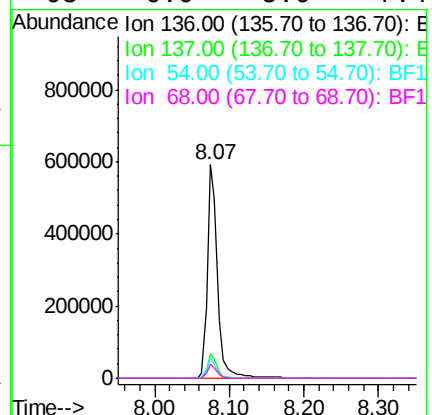
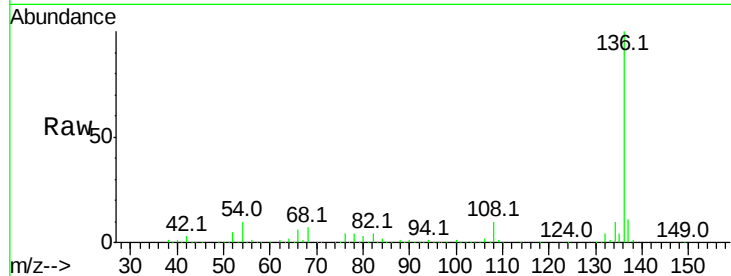
ClientSampleId :

EPE-106-3DS(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	9.9	6.6	9.8	
68	6.9	5.0	7.4	

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 73.540 ng

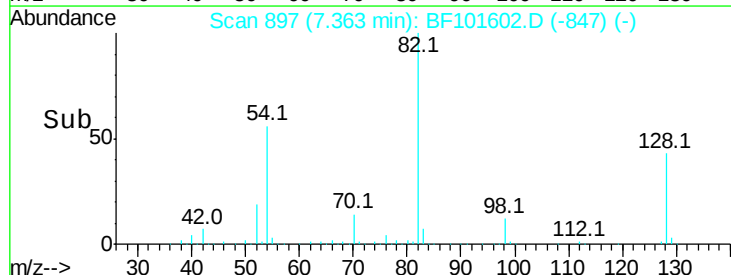
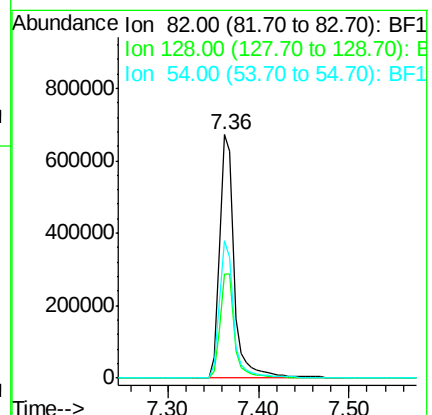
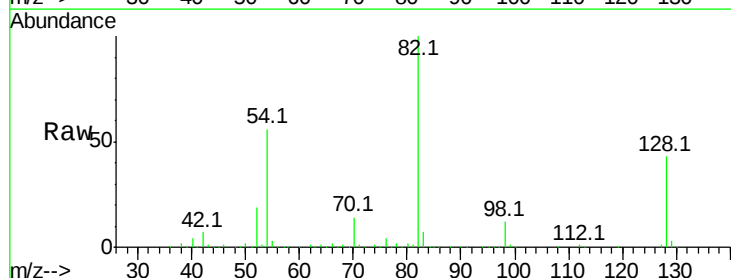
RT: 7.36 min Scan# 897

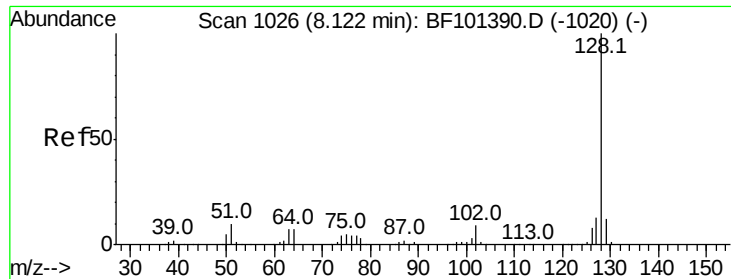
Delta R.T. -0.01 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.8	36.1	54.1	
54	56.2	41.4	62.2	





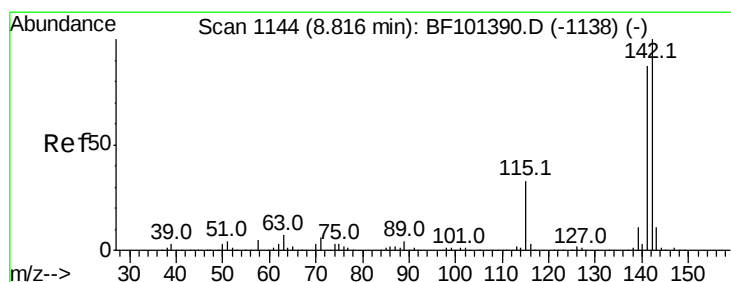
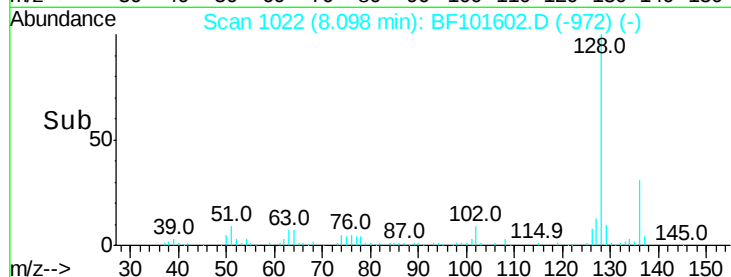
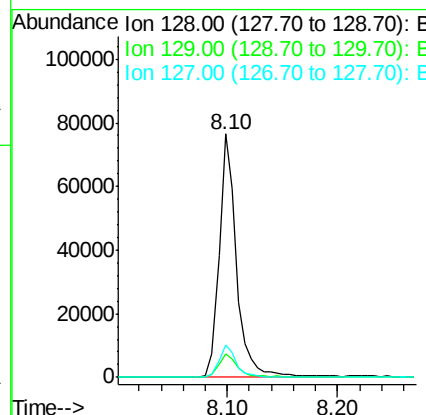
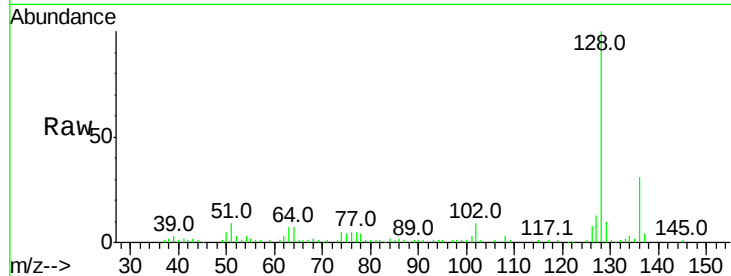
#31
Naphthalene
Concen: 2.884 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.8	13.2
127	13.4	10.9	16.3

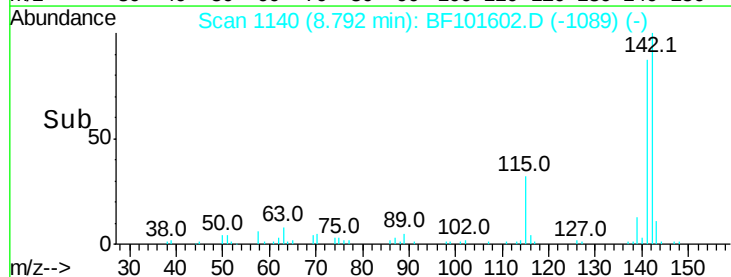
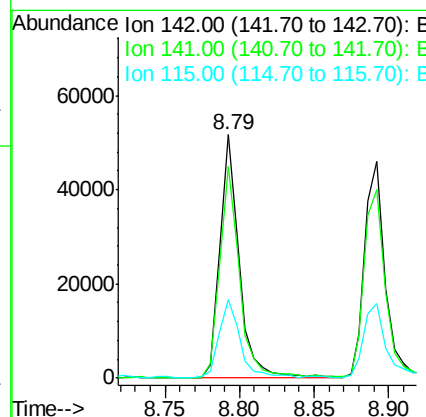
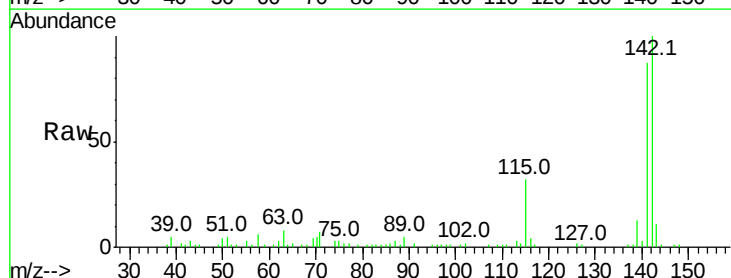
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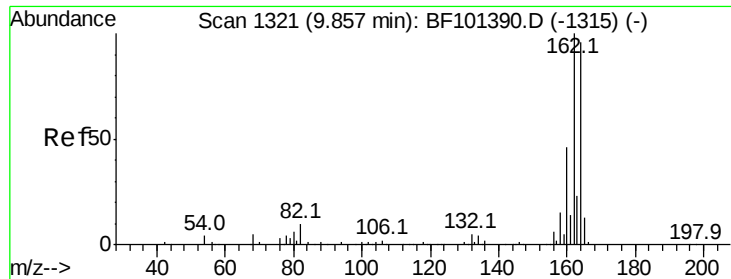
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#37
2-Methylnaphthalene
Concen: 2.504 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.8	106.2
115	32.4	26.1	39.1





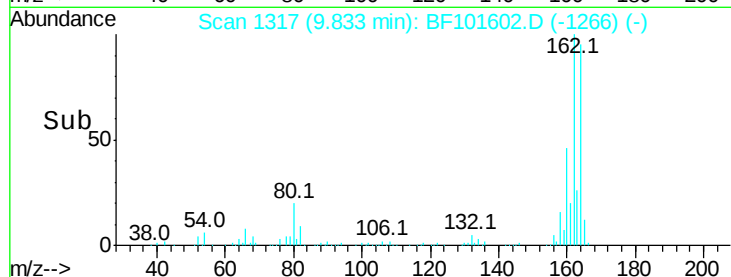
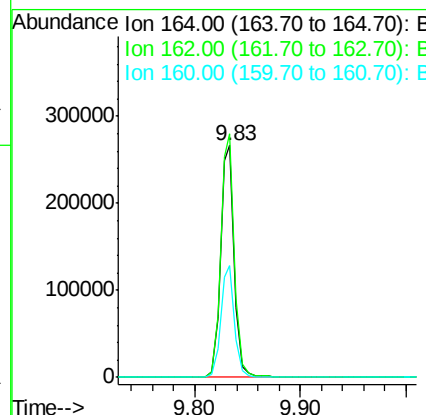
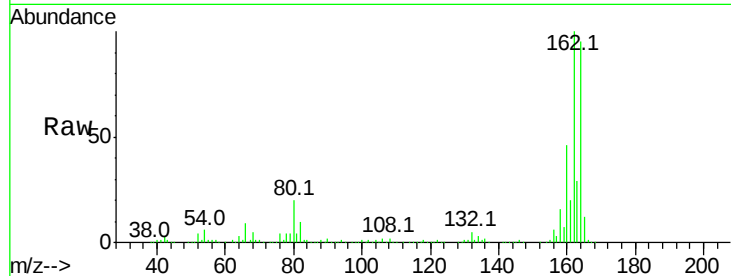
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	245929		
162	105.1	86.1	129.1	
160	48.4	38.3	57.5	

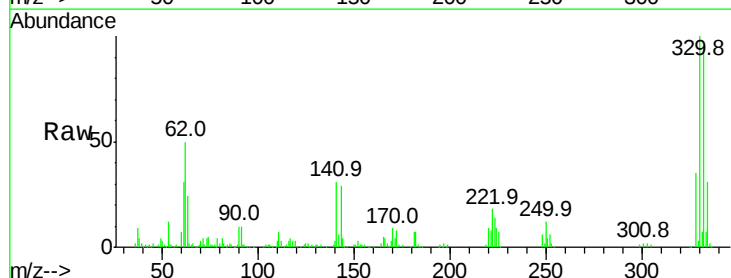
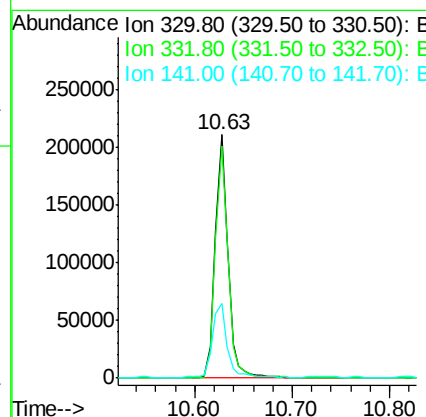
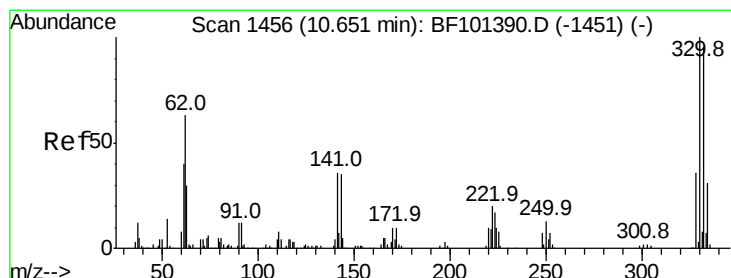
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#41
2,4,6-Tribromophenol
Concen: 82.188 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	194763		
332	95.5	77.0	115.6	
141	35.1	29.9	44.9	





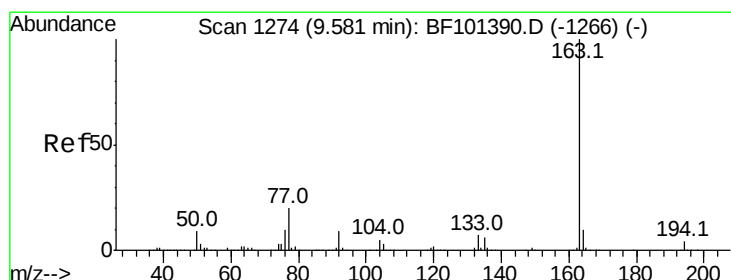
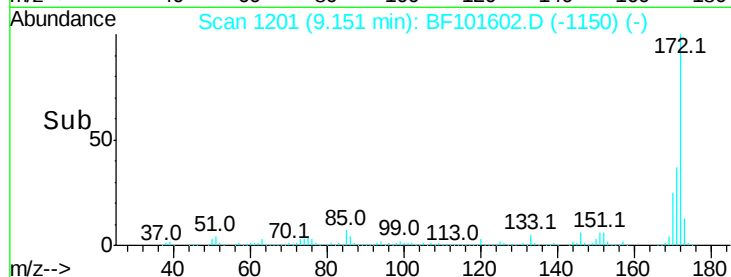
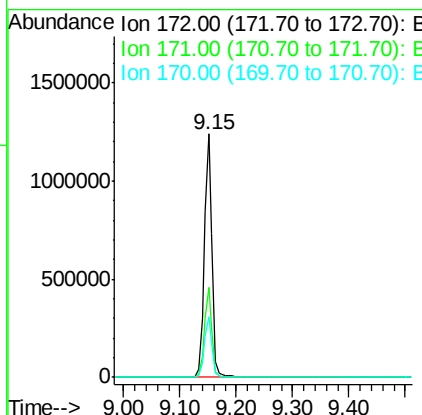
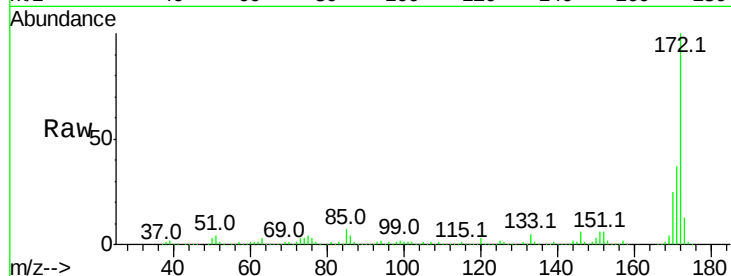
#44
2-Fluorobiphenyl
Concen: 74.225 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion:172 Resp: 1176748
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.8 19.6 29.4

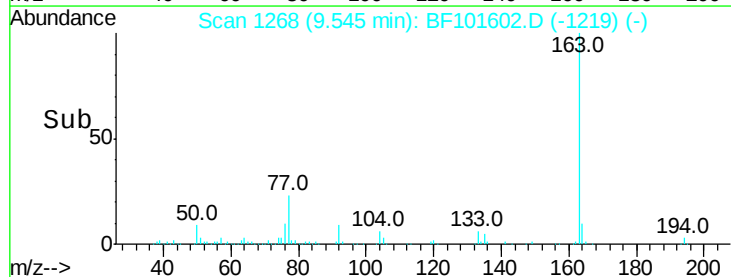
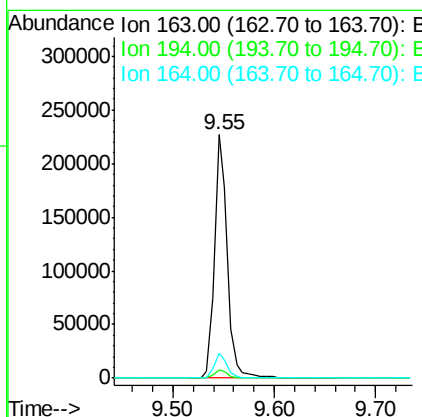
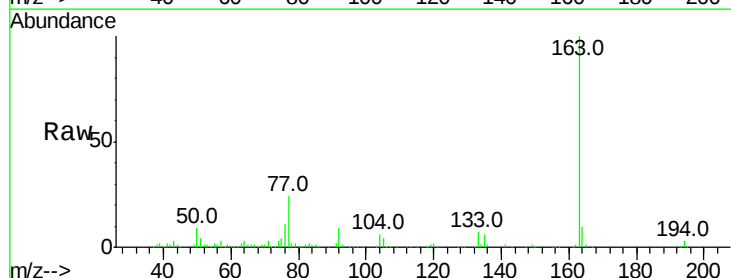
Manual Integrations
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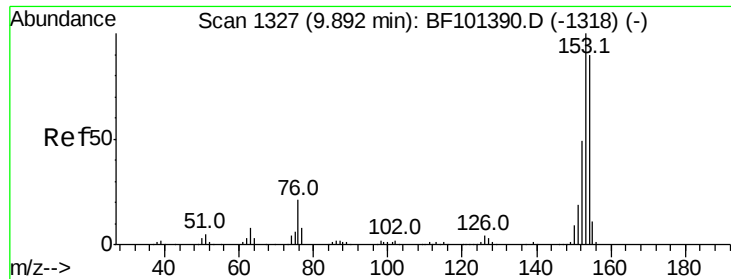
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#49
Dimethylphthalate
Concen: 10.097 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion:163 Resp: 199742
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2





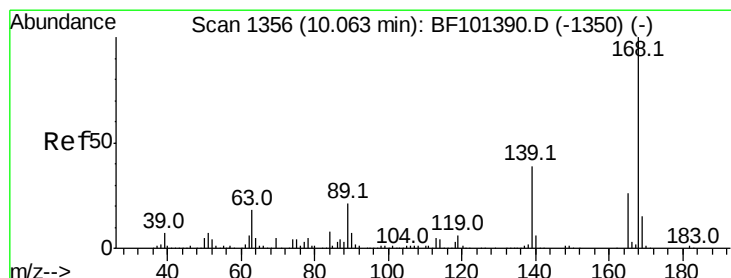
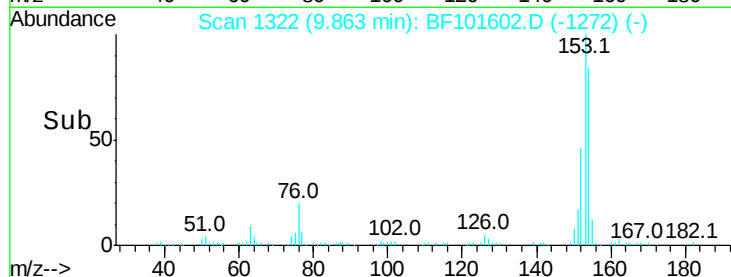
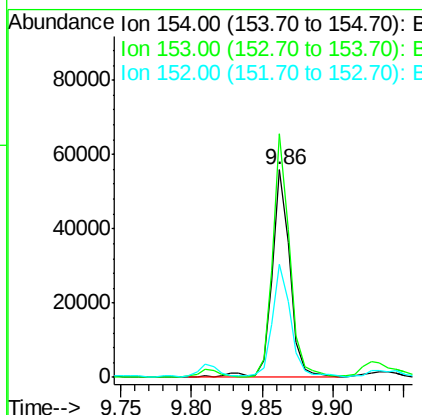
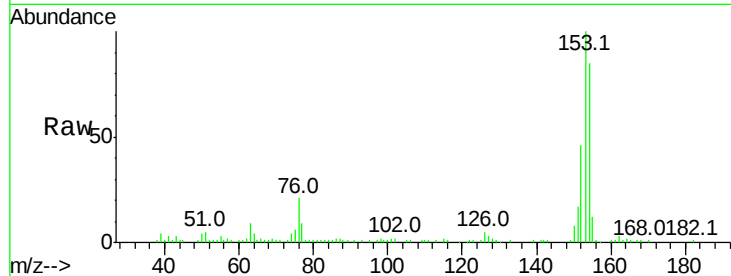
#51
 Acenaphthene
 Concen: 3.134 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101602.D
 Acq: 21 Dec 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-3DS(0-5)

Tot Ion:	154	Resp:	49637
Ion Ratio	Lower	Upper	
154	100		
153	117.5	91.2	136.8
152	54.5	43.8	65.8

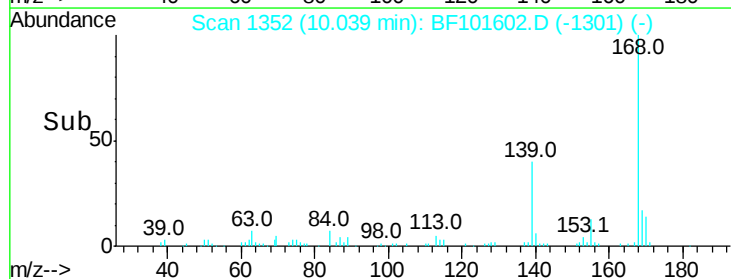
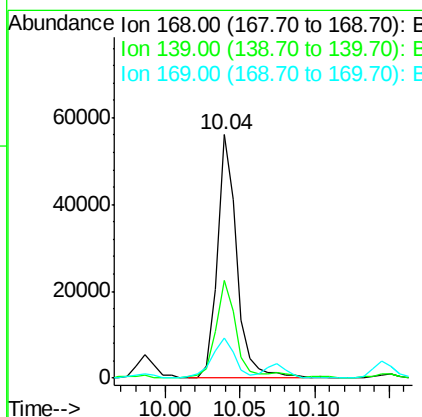
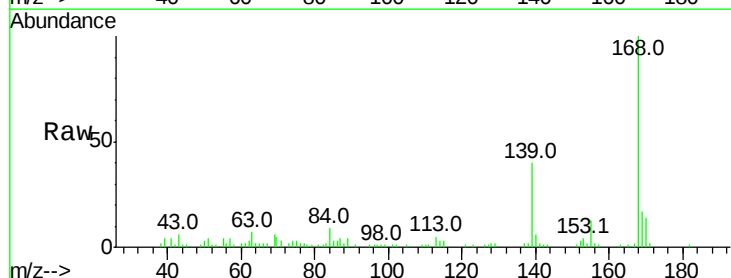
Manual Integrations
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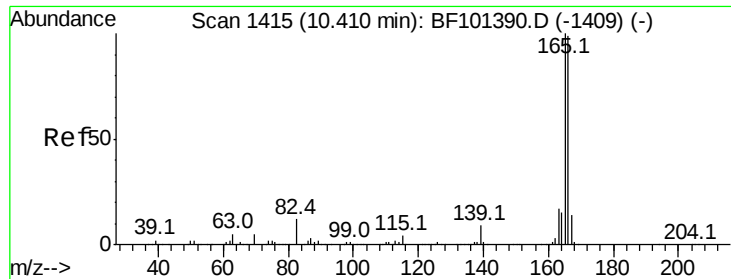
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#54
 Dibenzofuran
 Concen: 2.544 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: BF101602.D
 Acq: 21 Dec 2017 13:08

Tgt Ion:	168	Resp:	51206
Ion Ratio	Lower	Upper	
168	100		
139	40.2	30.1	45.1
169	16.6	10.9	16.3#





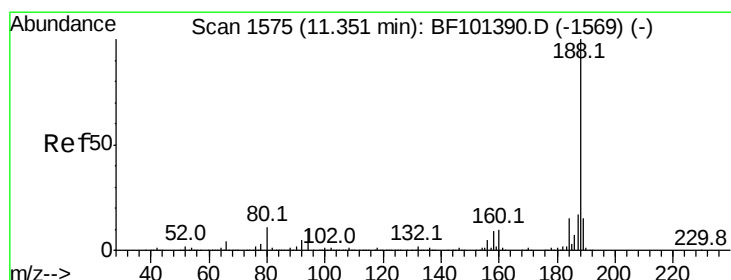
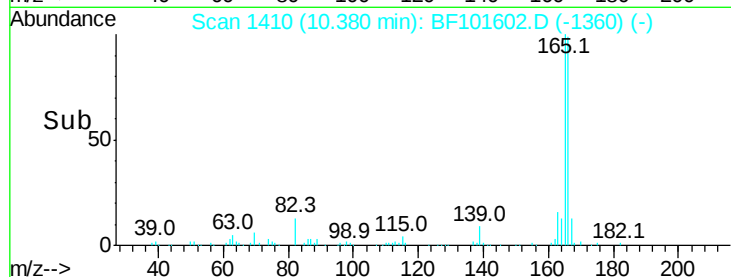
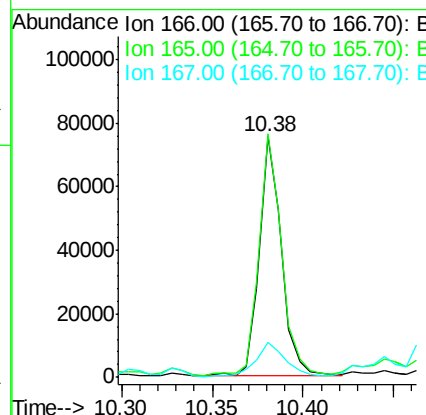
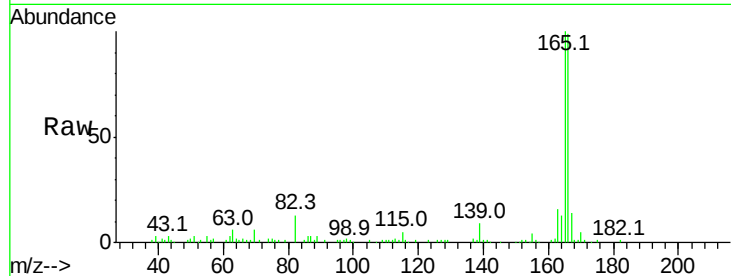
#57
Fluorene
 Concen: 3.778 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF101602.D
 Acq: 21 Dec 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.8	119.8
167	14.3	10.6	16.0

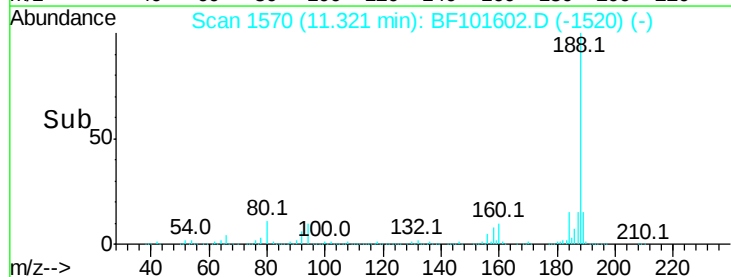
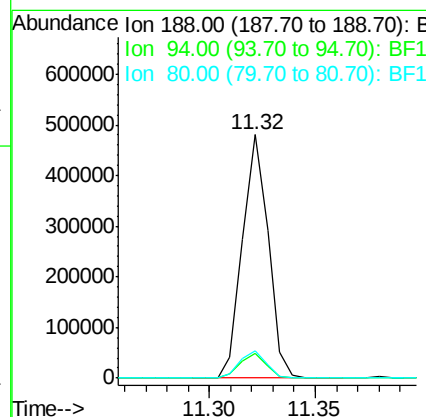
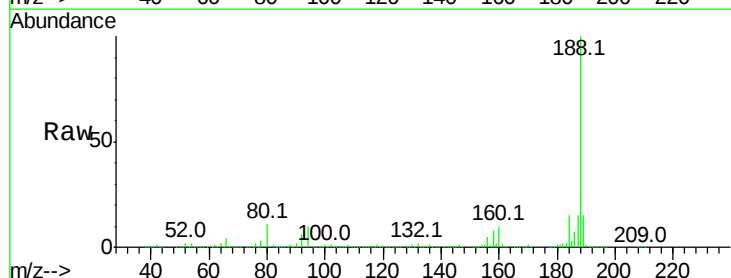
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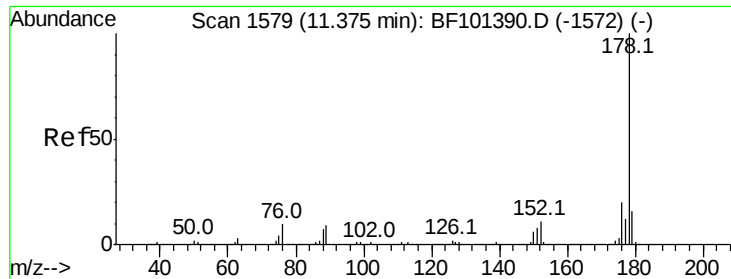
Sohil
 12/22/2017 12:41:40 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101602.D
 Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.5	9.2	13.8





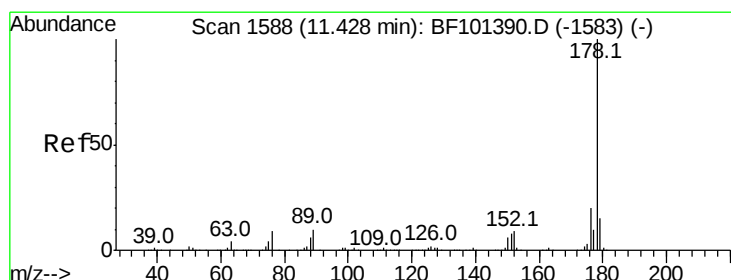
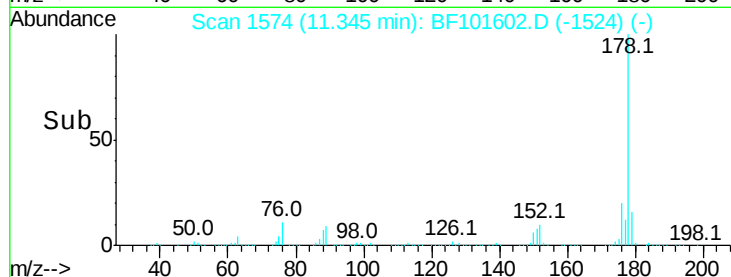
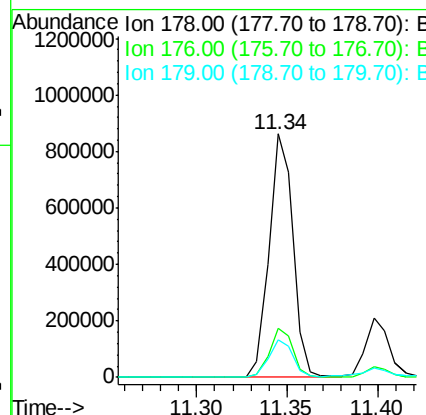
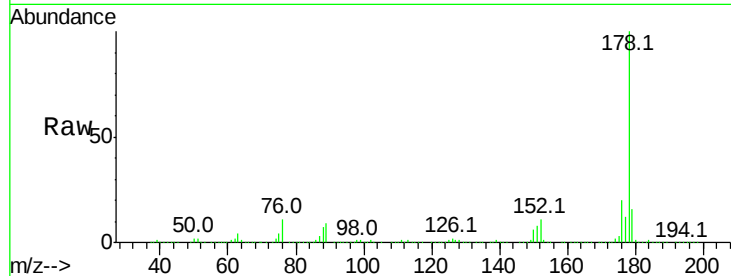
#70
Phenanthrene
Concen: 35.057 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.6	13.0	19.6

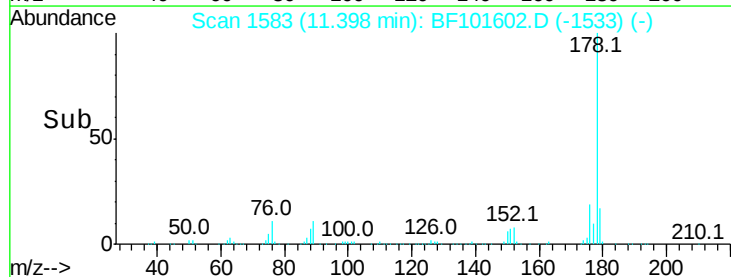
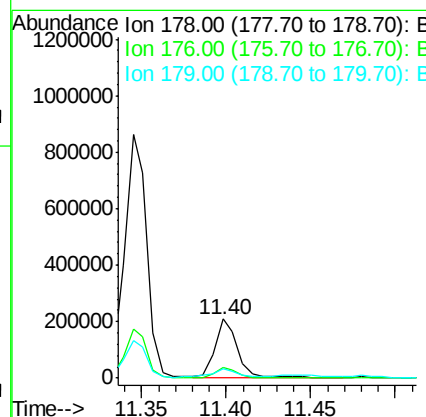
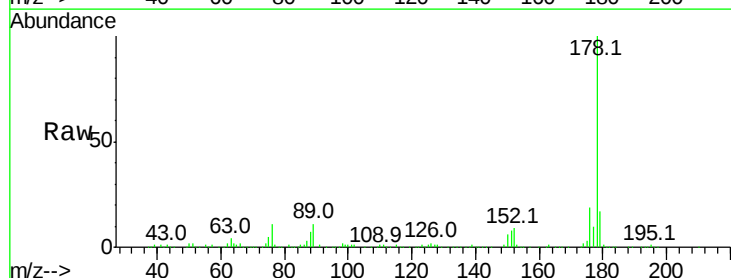
Manual Integrations
APPROVED

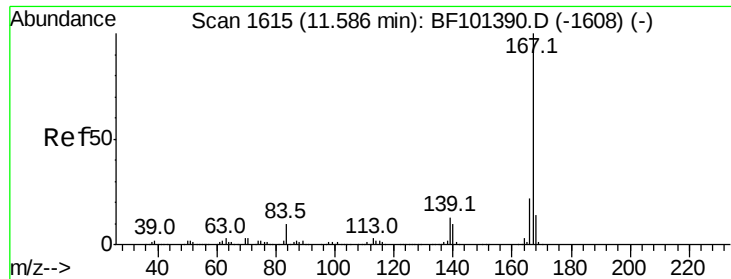
Sohil
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#71
Anthracene
Concen: 8.317 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.7	12.6	19.0





#72

Carbazole

Concen: 2.383 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Instrument :

BNA_F

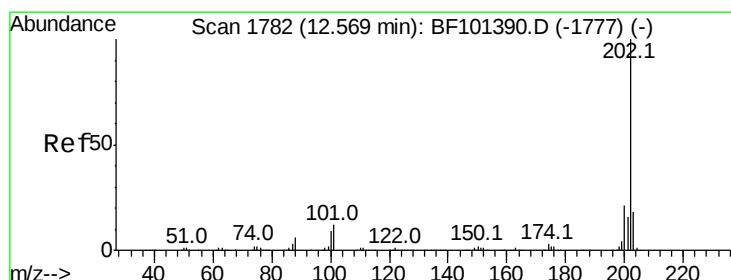
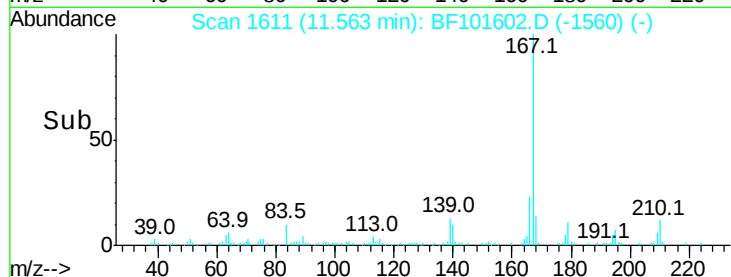
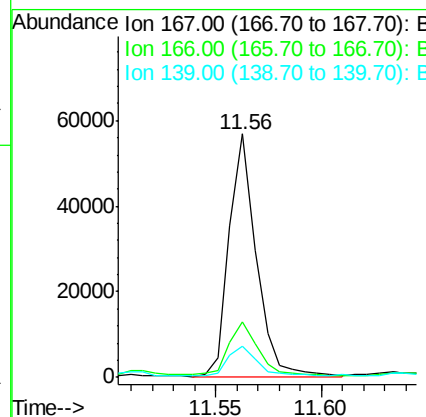
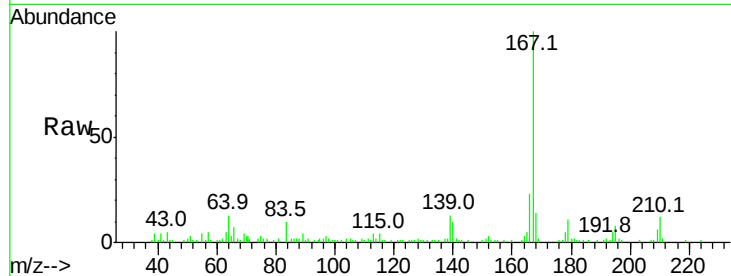
ClientSampleId :

EPE-106-3DS(0-5)

Tot Ion:	167	Resp:	51431
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.6	26.4
139	13.0	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 30.019 ng

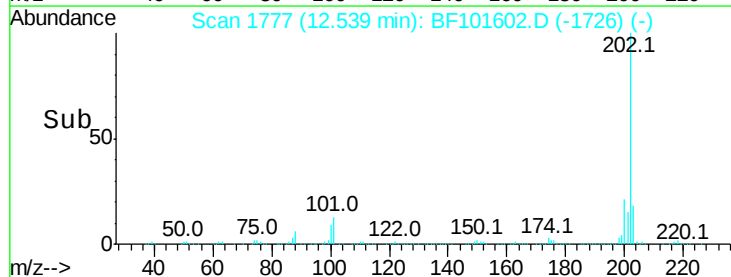
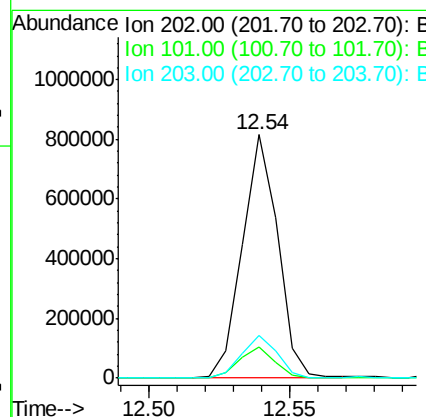
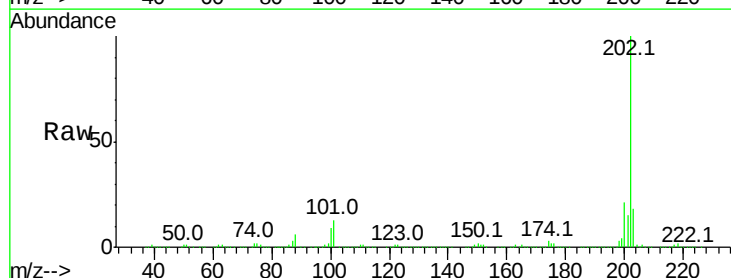
RT: 12.54 min Scan# 1777

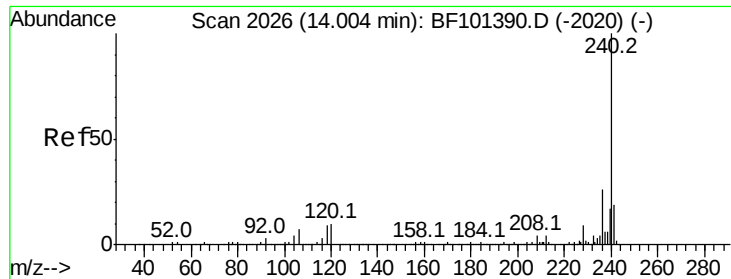
Delta R.T. -0.00 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Tgt Ion:	202	Resp:	711117
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Instrument :

BNA_F

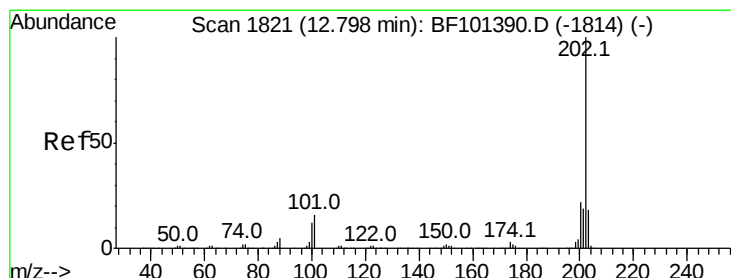
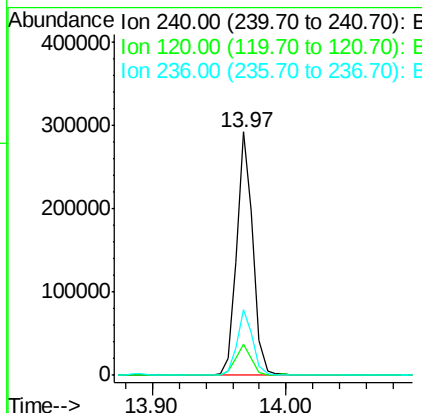
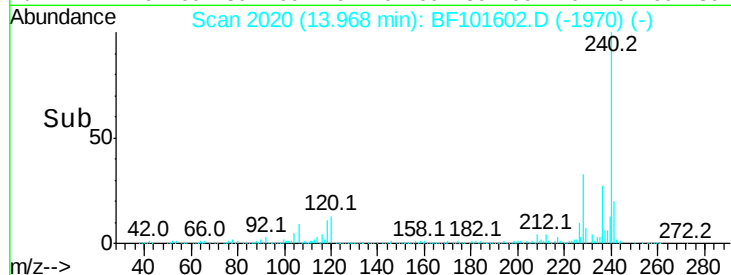
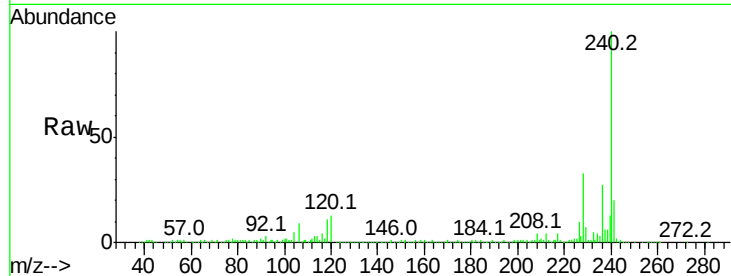
ClientSampleId :

EPE-106-3DS(0-5)

Tot Ion:	240	Resp:	248453
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.5	14.3
236	26.9	20.7	31.1

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#77

Pyrene

Concen: 35.793 ng

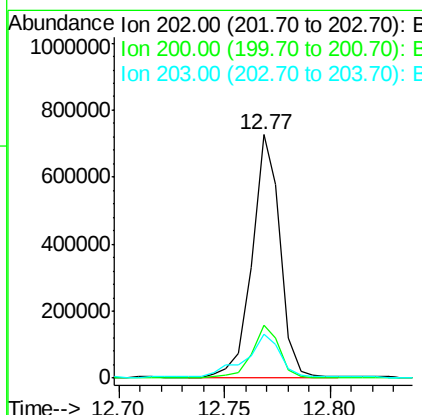
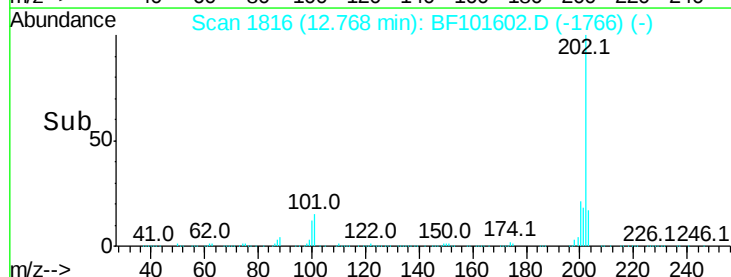
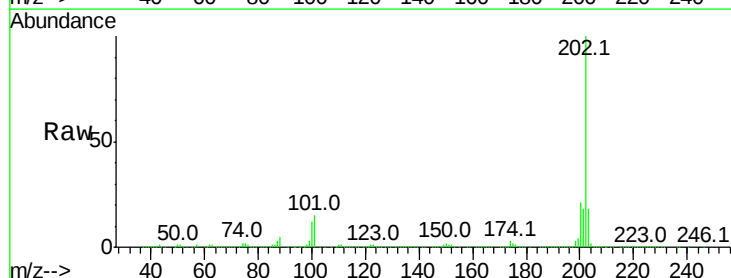
RT: 12.77 min Scan# 1816

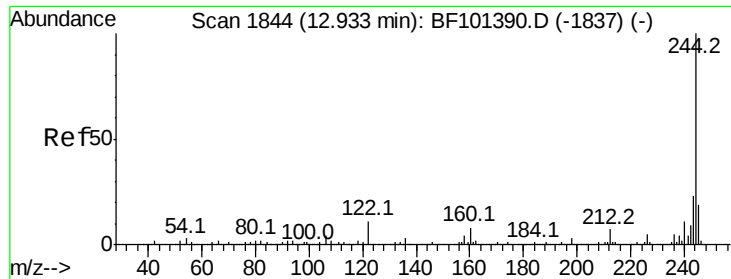
Delta R.T. -0.01 min

Lab File: BF101602.D

Acq: 21 Dec 2017 13:08

Tgt Ion:	202	Resp:	667404
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.1	14.3	21.5





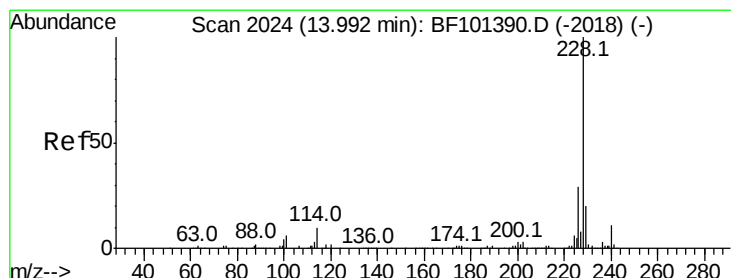
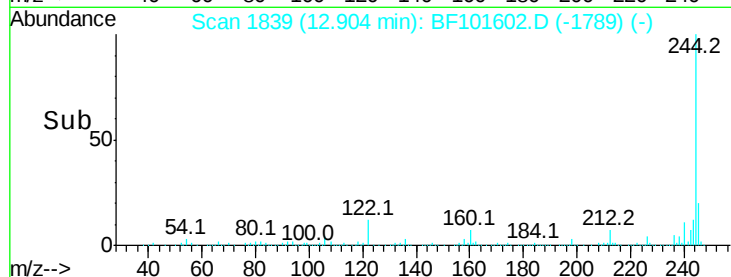
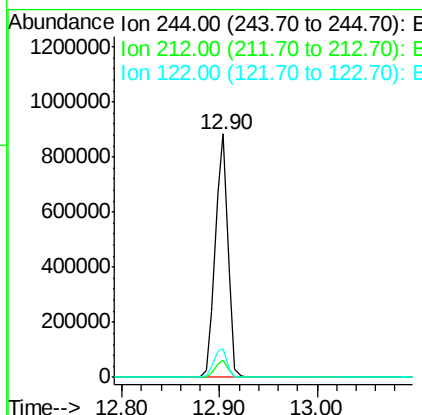
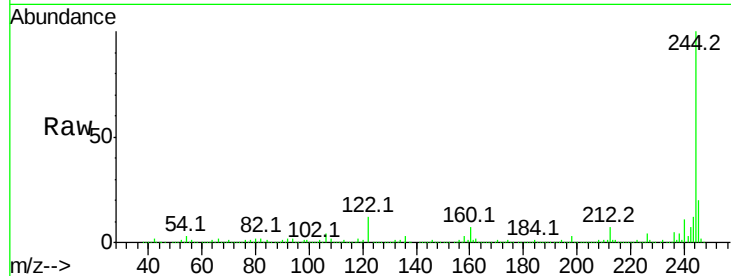
#78
 Terphenyl-d14
 Concen: 76.693 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF101602.D
 Acq: 21 Dec 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.6	11.0	16.4

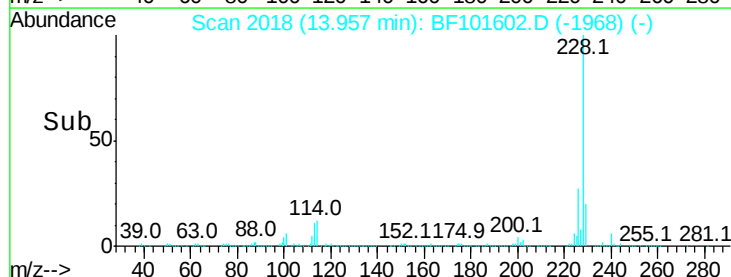
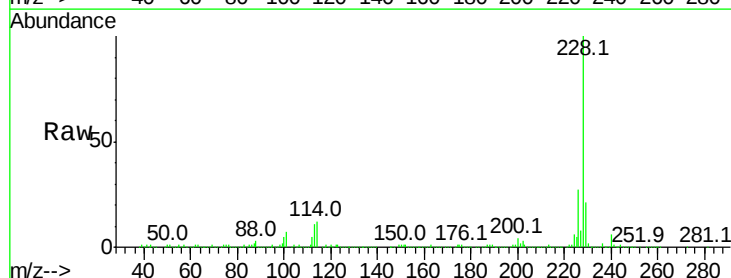
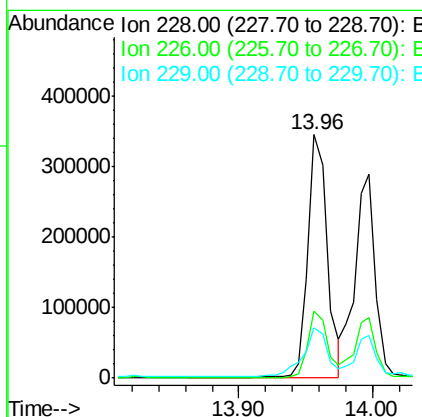
Manual Integrations
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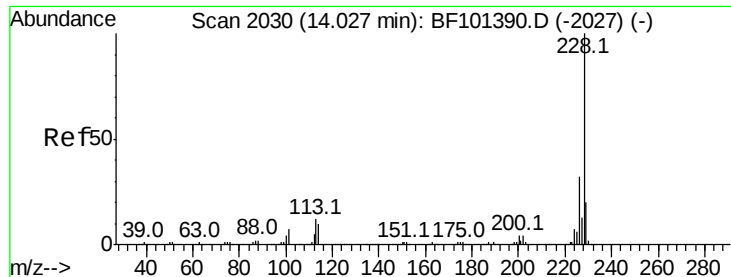
Sohil
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#80
 Benzo(a)anthracene
 Concen: 20.881 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF101602.D
 Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.6	15.8	23.6





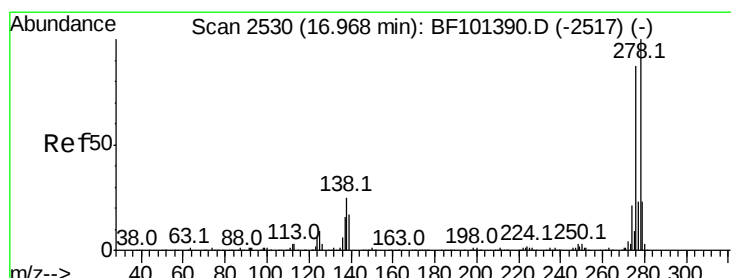
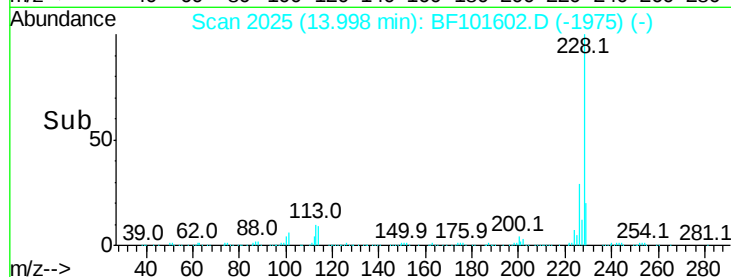
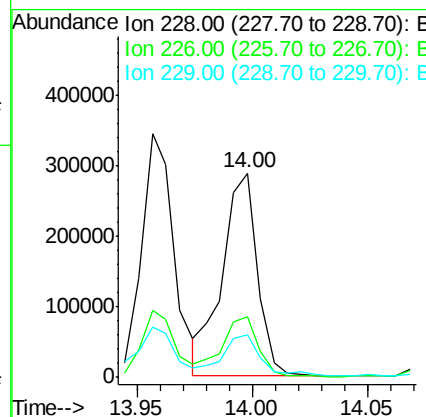
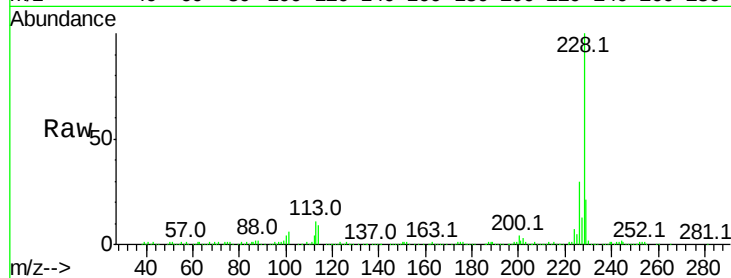
#82
Chrysene
Concen: 19.671 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	20.9	16.2	24.4

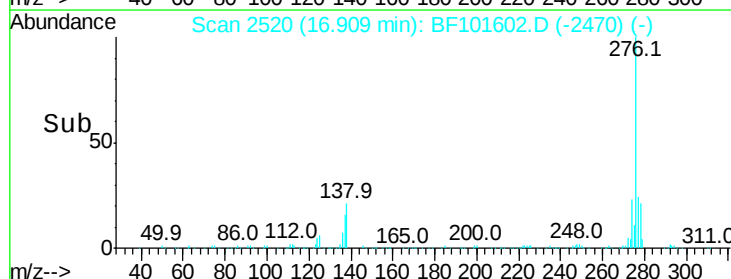
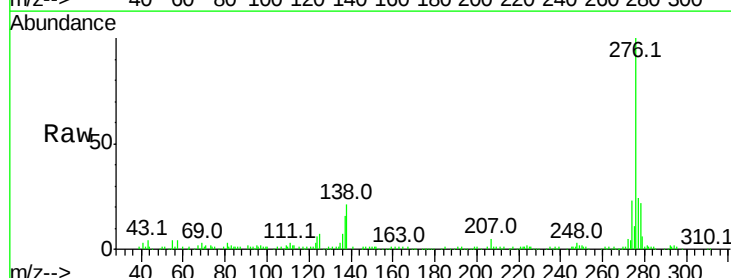
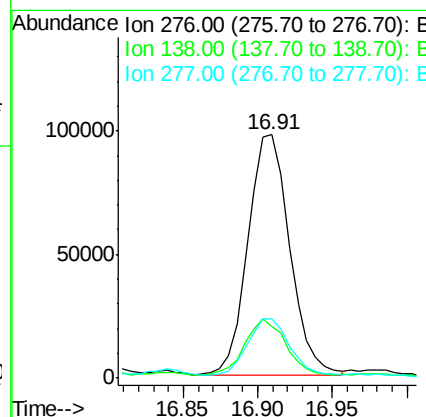
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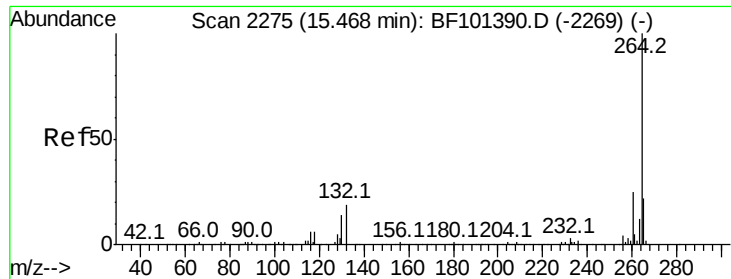
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.585 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	23.5	20.1	30.1





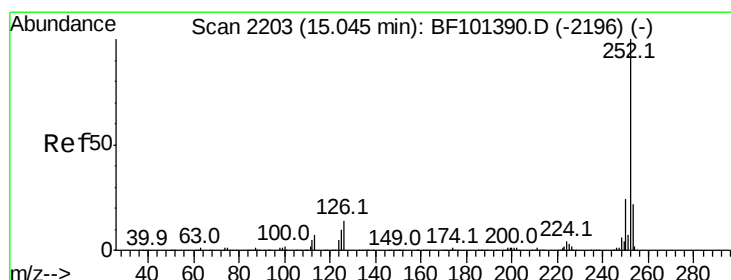
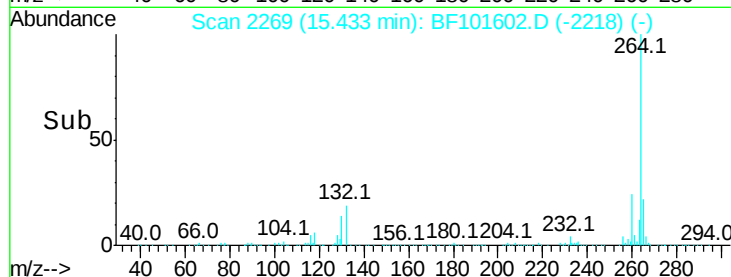
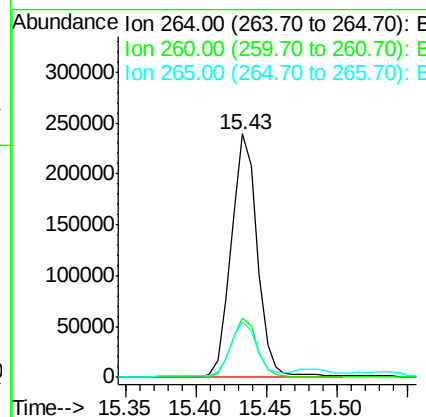
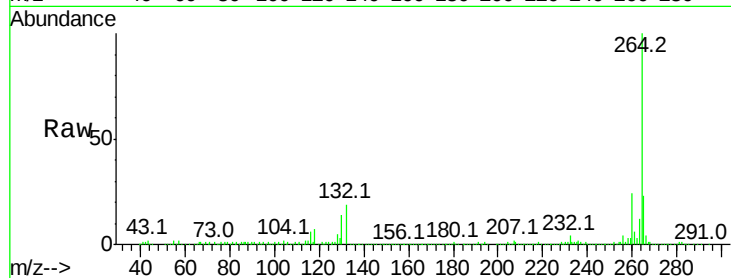
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

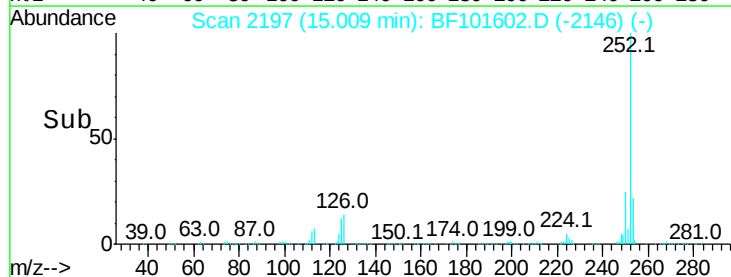
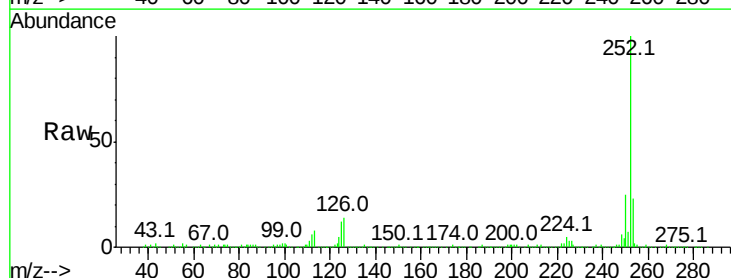
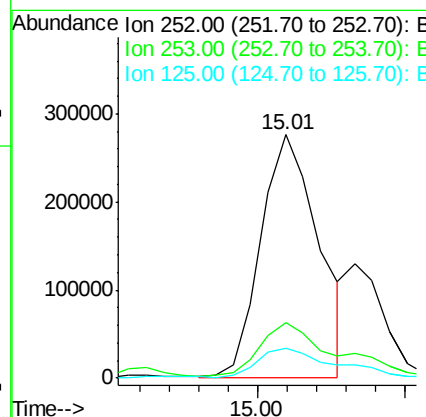
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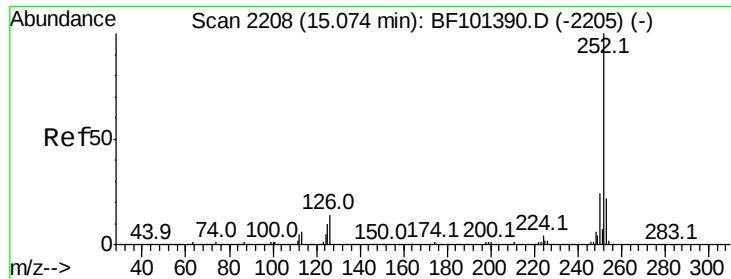
Sohil
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#87
Benzo(b)fluoranthene
Concen: 20.198 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	12.4	9.0	13.6





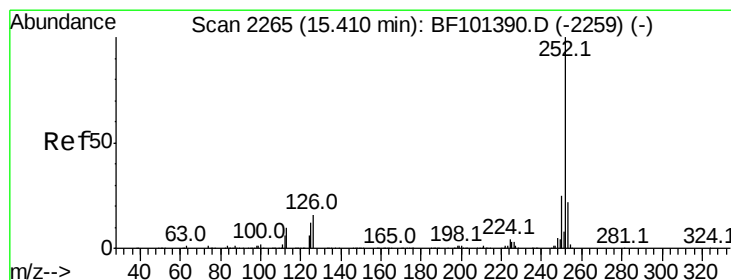
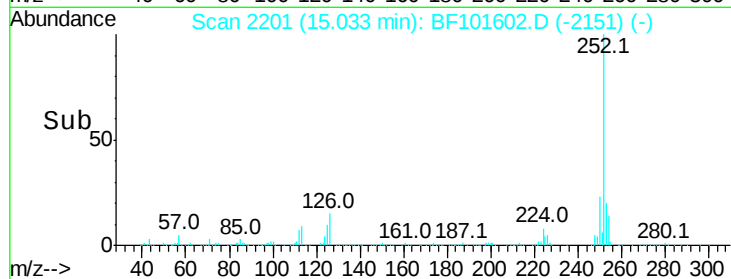
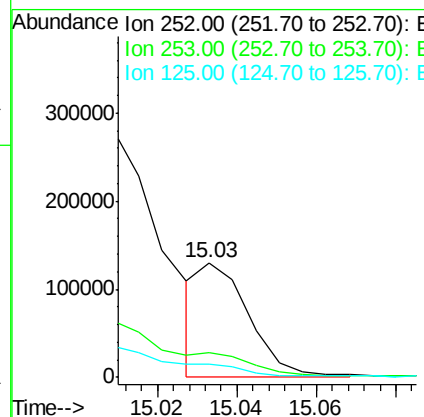
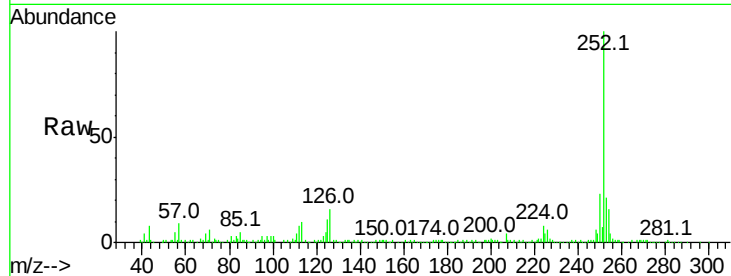
#88
Benzo(k)fluoranthene
Concen: 6.284 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	11.3	10.2	15.2

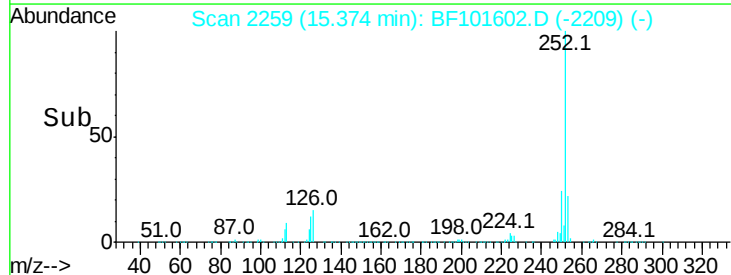
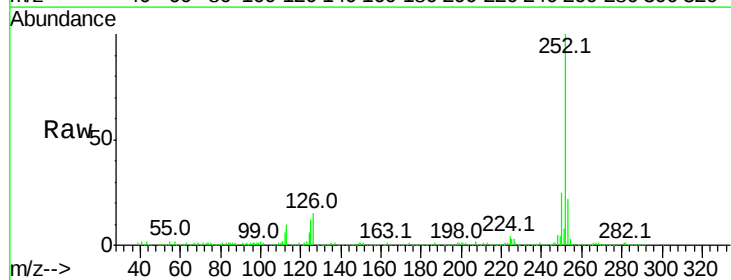
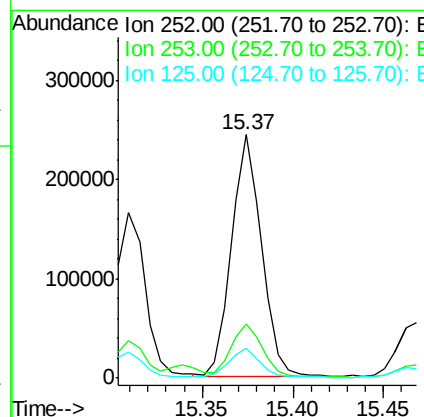
Manual Integrations
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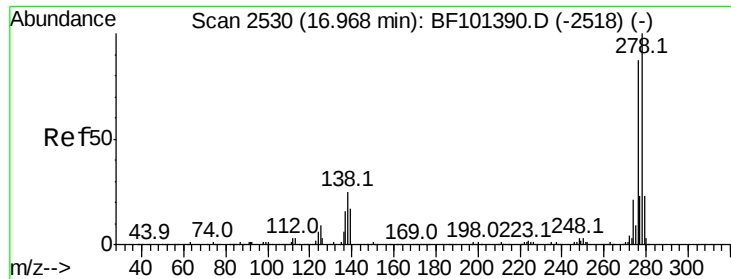
Sohil
12/22/2017 12:41:40 PM



#89
Benzo(a)pyrene
Concen: 16.432 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	12.4	9.8	14.6





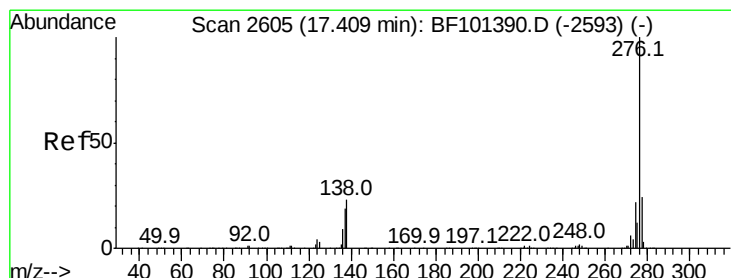
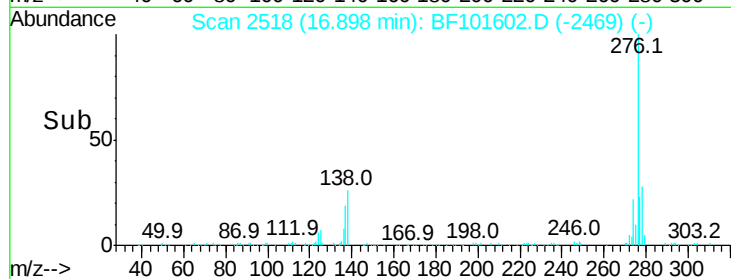
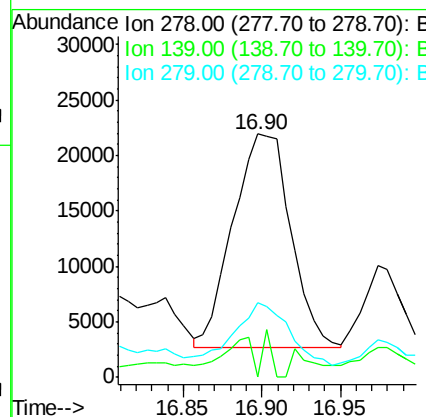
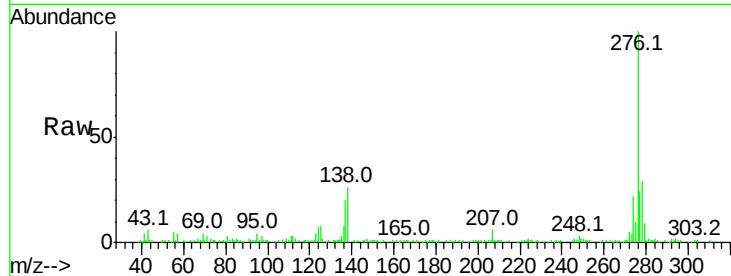
#90
Dibenzo(a,h)anthracene
Concen: 3.310 ng/mL
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
12/22/2017 12:41:40 PM



#91
Benzo(g,h,i)perylene
Concen: 12.895 ng/mL
RT: 17.36 min Scan# 2596
Delta R.T. 0.01 min
Lab File: BF101602.D
Acq: 21 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	22.1	21.8	32.8

