

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101356.D
 Acq On : 13 Dec 2017 4:11
 Operator : SJ/JU
 Sample : I6744-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROS-1-E(3-4)

Manual Integrations
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 12/13/2017 2:12:51 PM

Quant Time: Dec 13 13:24:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	47728	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	176961	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	73327	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	122222	20.00	ng	0.00
75) Chrysene-d12	14.01	240	94200	20.00	ng	0.00
86) Perylene-d12	15.49	264	72019	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	418669	144.95	ng	0.01
7) Phenol-d6	6.47	99	495609	141.33	ng	0.01
23) Nitrobenzene-d5	7.39	82	288183	97.15	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	97989	111.24	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	554346	103.43	ng	0.00
78) Terphenyl-d14	12.94	244	413055	95.91	ng	0.00
Target Compounds						
10) Phenol	6.49	94	18594	4.769	ng	80
49) Dimethylphthalate	9.57	163	47880	8.097	ng	# 99
70) Phenanthrene	11.38	178	15974	2.373	ng	97
74) Fluoranthene	12.57	202	31990	4.288	ng	94
77) Pyrene	12.80	202	28462	4.379	ng	96
80) Benzo(a)anthracene	14.00	228	15220m	2.559	ng	
82) Chrysene	14.03	228	14704m	2.662	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	14484	3.545	ng	# 97
87) Benzo(b)fluoranthene	15.06	252	14467m	3.354	ng	
89) Benzo(a)pyrene	15.42	252	11450	2.920	ng	# 87
91) Benzo(g,h,i)perylene	17.43	276	22818	7.003	ng	98

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

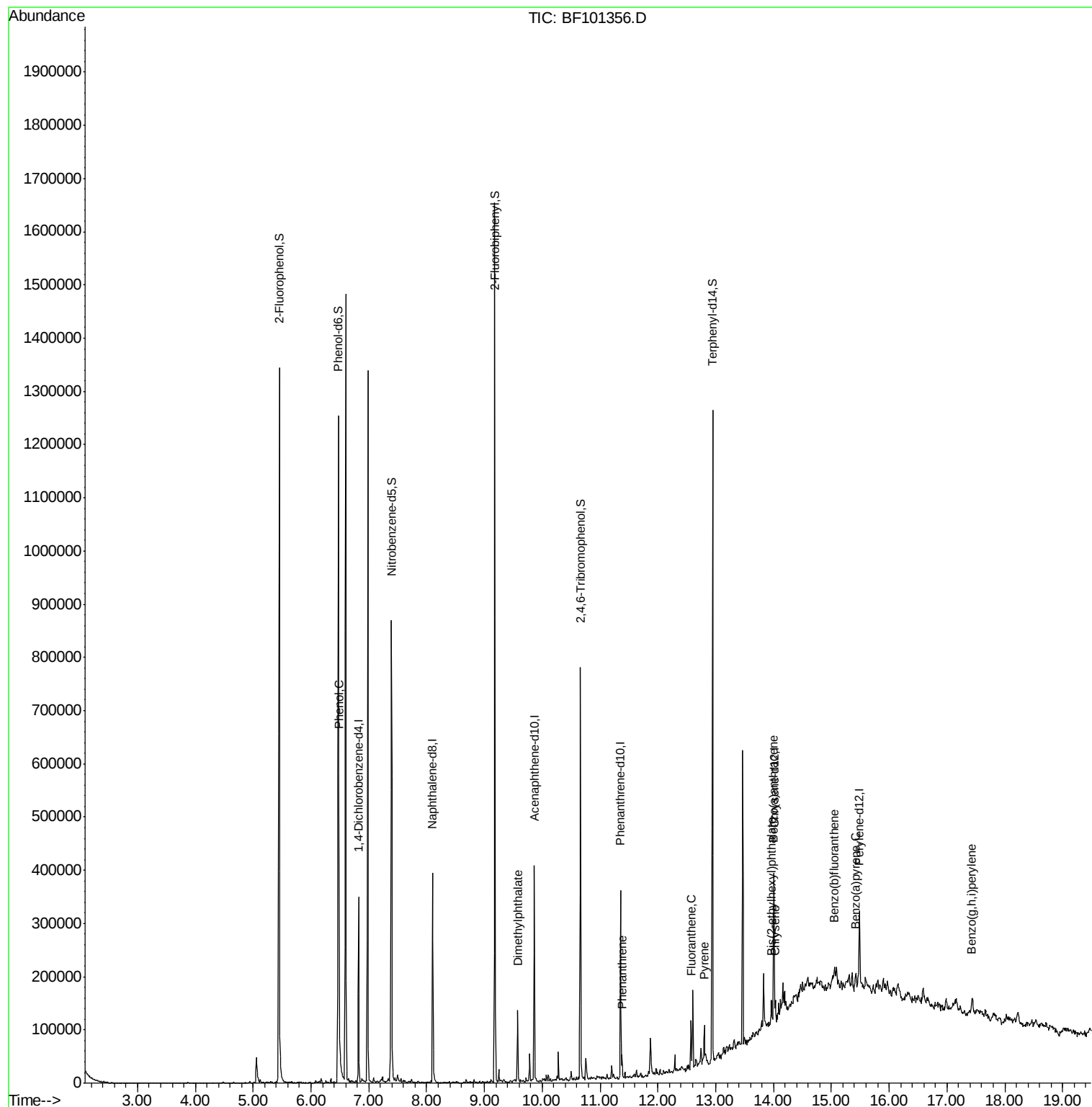
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101356.D
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Operator : SJ/JU
Sample : I6744-10
Misc :
ALS Vial : 29 Sample Multiplier: 1

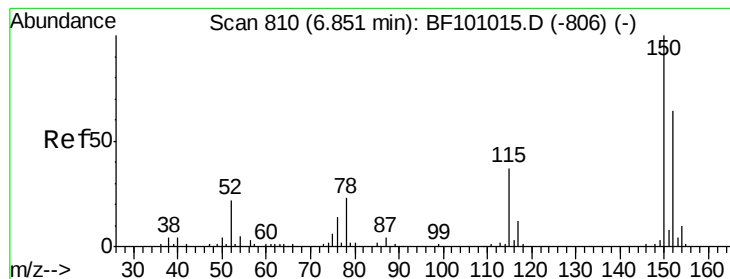
Instrument :
BNA_F
ClientSampleId :
PROS-1-E(3-4)

Manual Integrations
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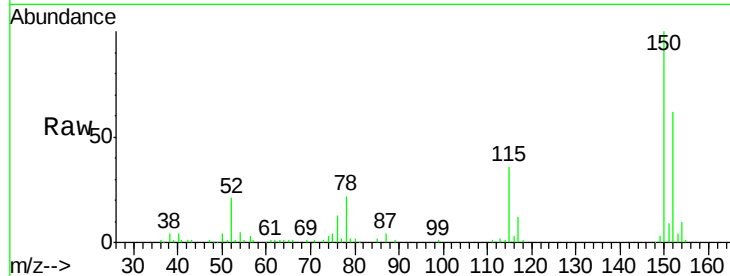
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampled :
PROS-1-E(3-4)

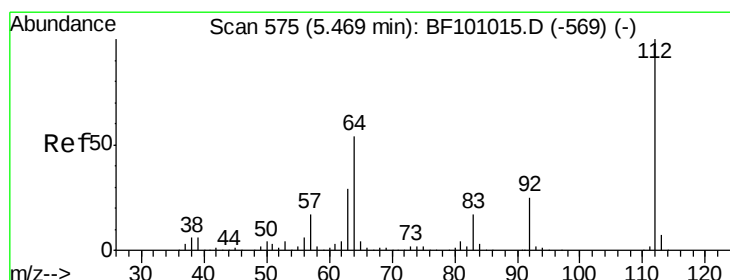
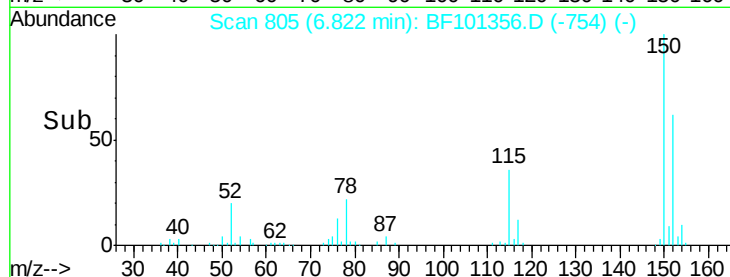
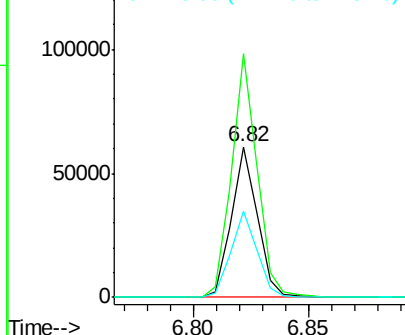
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.6	186.8
115	57.7	50.1	75.1

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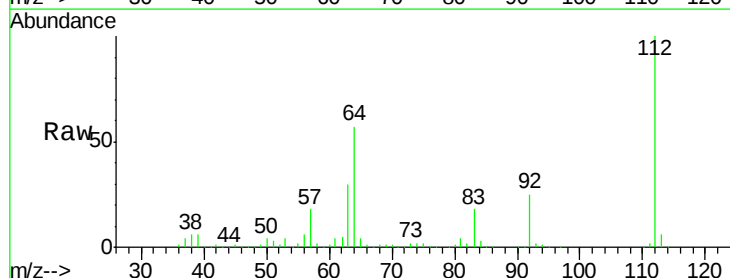


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

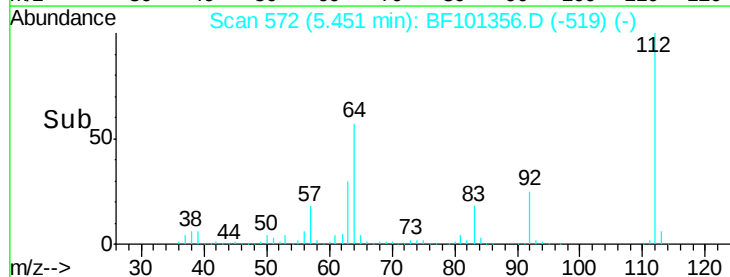
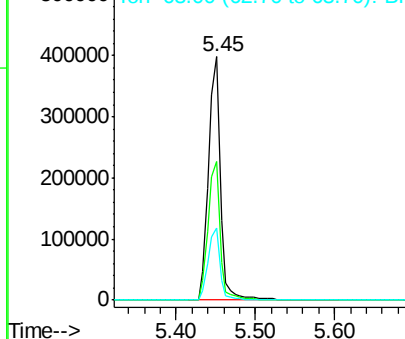


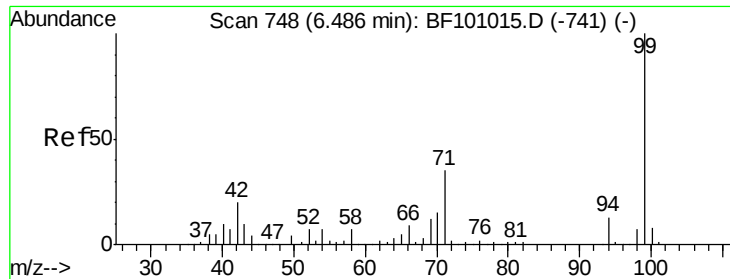
#5
2-Fluorophenol
Concen: 144.952 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	29.9	23.7	35.5



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





#7

Phenol-d6

Concen: 141.332 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

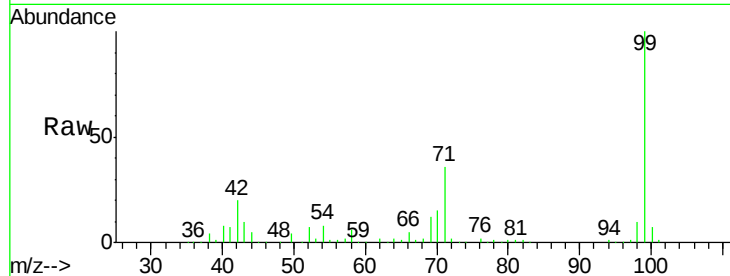
ClientSampleId :

PROS-1-E(3-4)

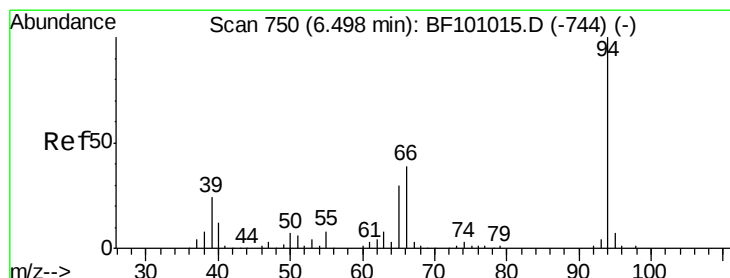
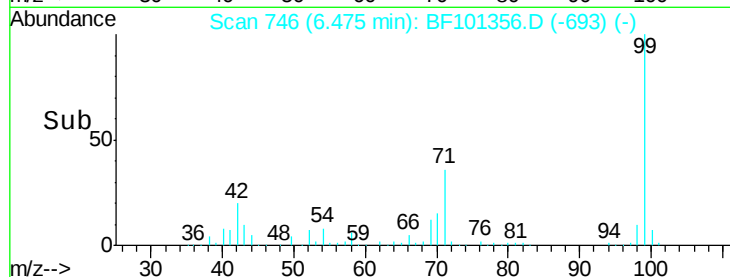
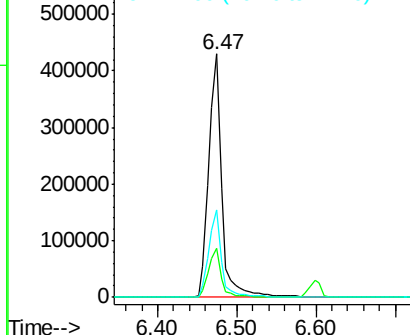
Tot Ion:	99	Resp:	495609
Ion Ratio	Lower	Upper	
99	100		
42	20.1	14.5	21.7
71	35.7	25.4	38.0

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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: 4.769 ng

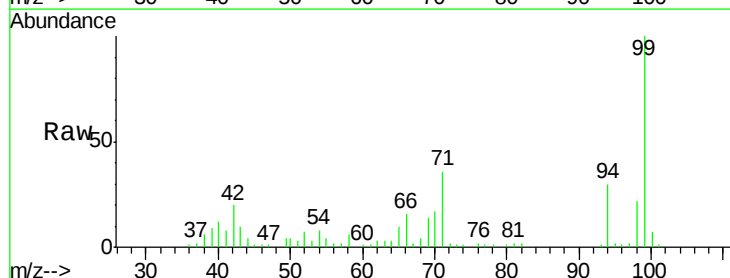
RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

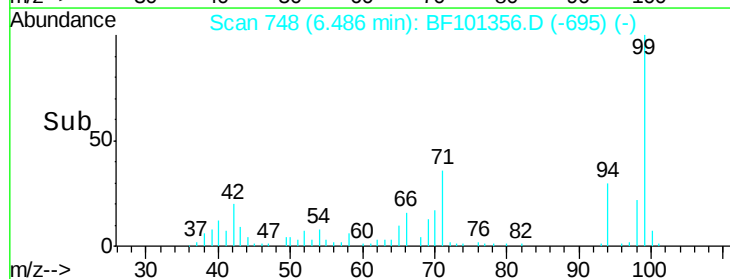
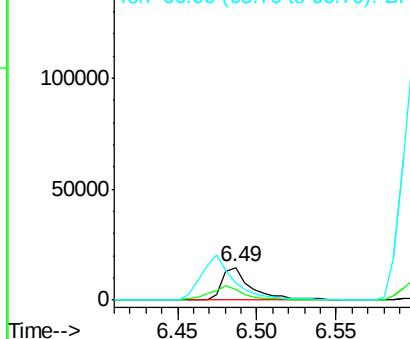
Lab File: BF101356.D

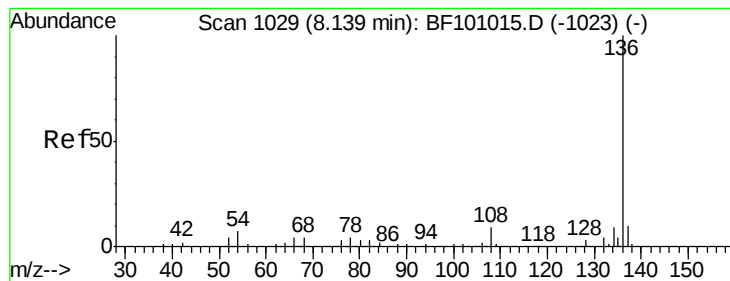
Acq: 13 Dec 2017 4:11

Tgt Ion:	94	Resp:	18594
Ion Ratio	Lower	Upper	
94	100		
65	32.6	7.9	47.9
66	53.1	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: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

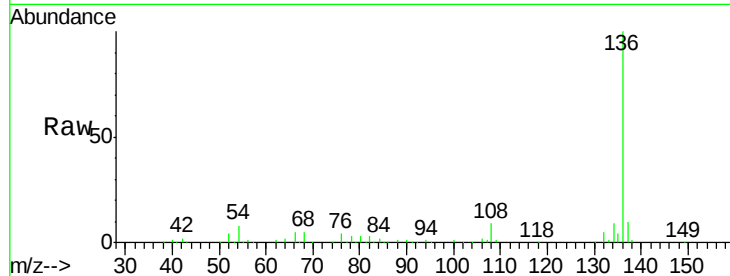
ClientSampleId :

PROS-1-E(3-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		176961		
137	10.5		8.9	13.3	
54	7.6		6.6	9.8	
68	4.7		5.0	7.4	

Manual Integrations
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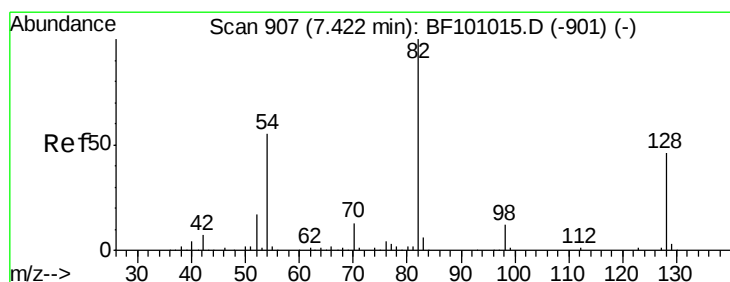
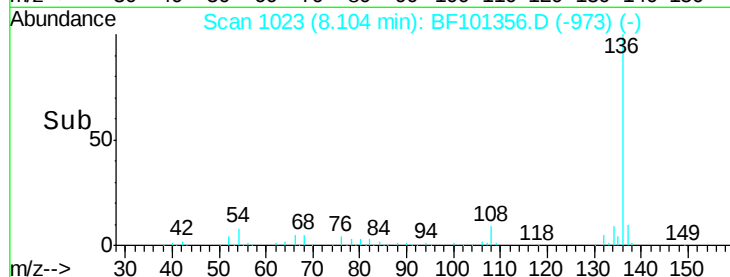
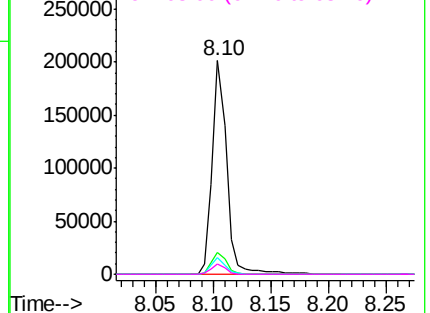
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 97.146 ng

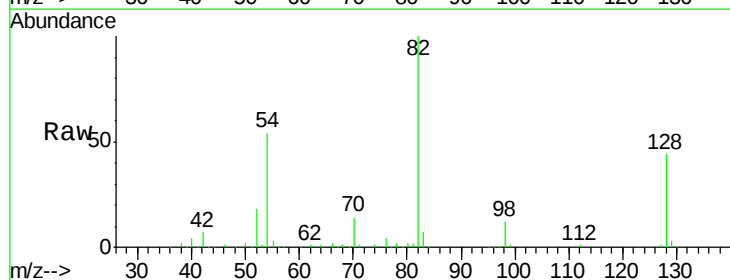
RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		288183		
128	44.0		36.1	54.1	
54	53.8		41.4	62.2	

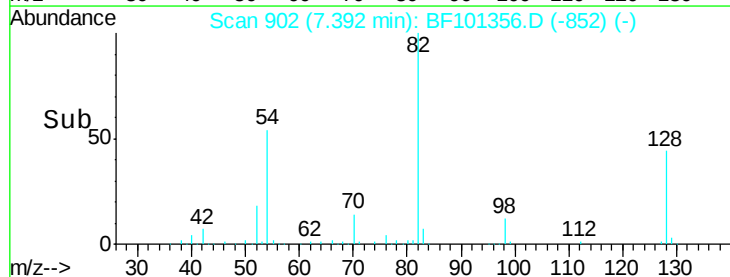
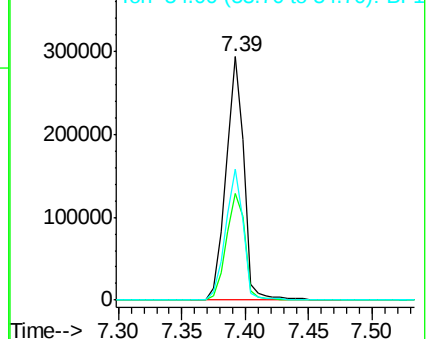


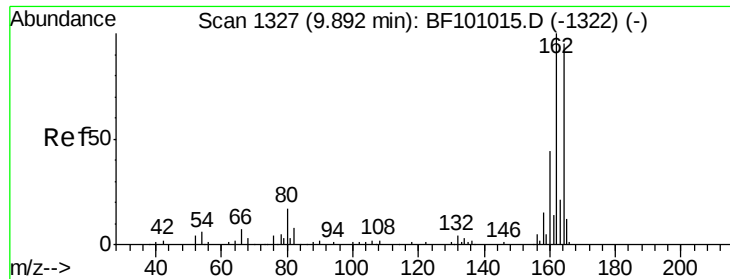
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





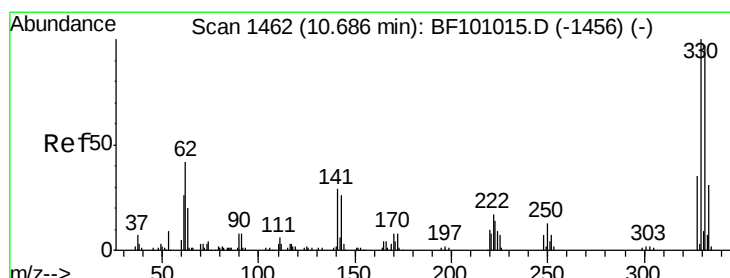
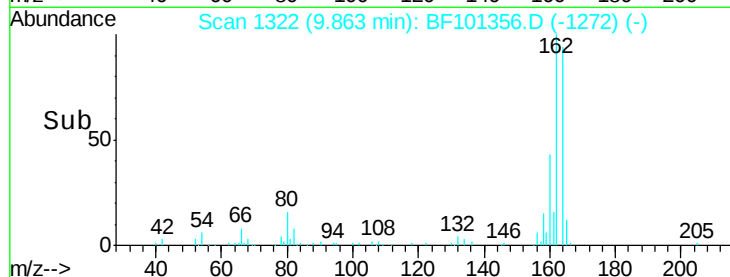
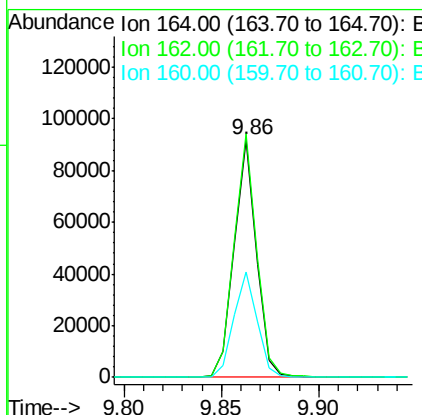
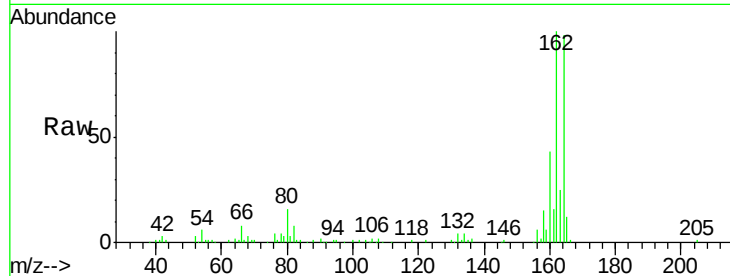
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Instrument :
 BNA_F
 ClientSampleId :
 PROS-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	44.1	38.3	57.5

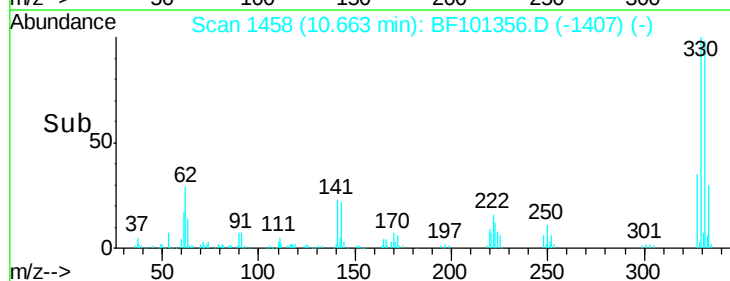
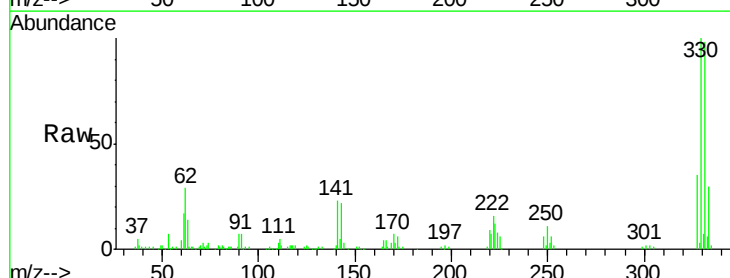
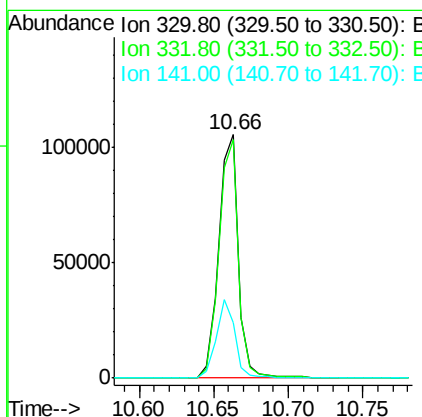
Manual Integrations
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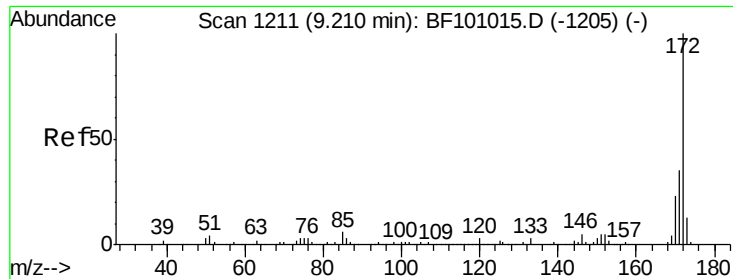
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#41
 2,4,6-Tribromophenol
 Concen: 111.242 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	30.6	29.9	44.9





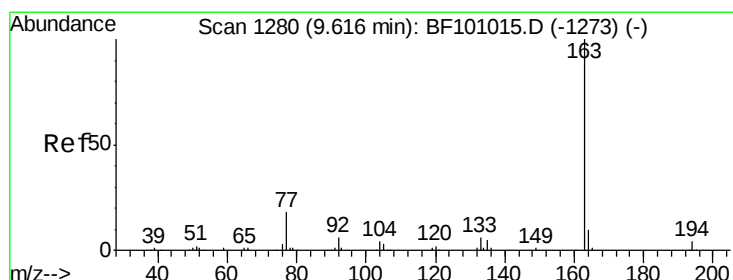
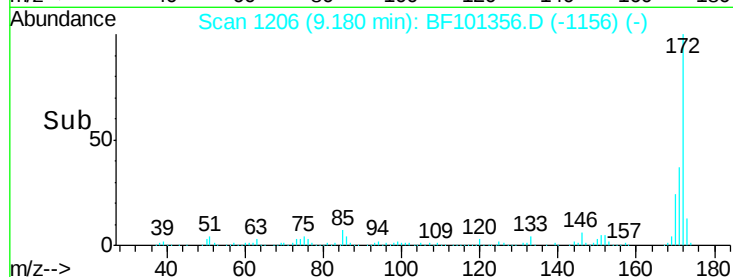
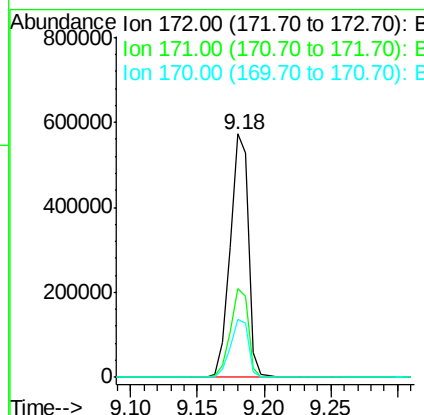
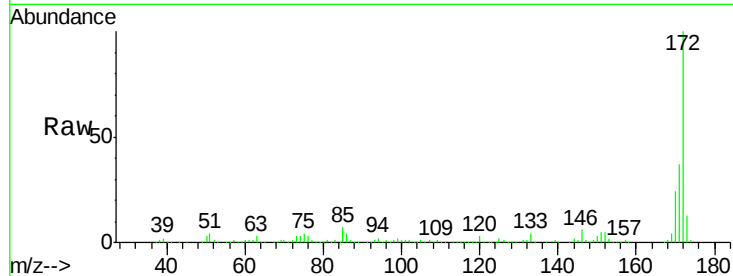
#44
2-Fluorobiphenyl
Concen: 103.435 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampleId :
PROS-1-E(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	29.7	44.5	
170	23.9	19.6	29.4	

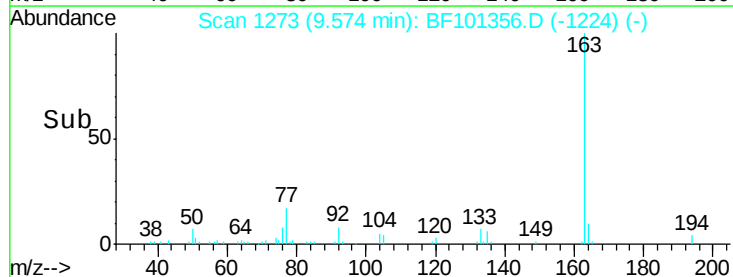
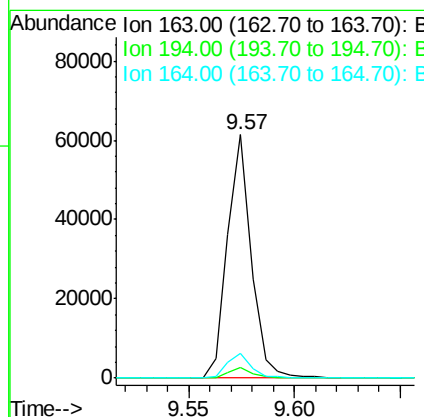
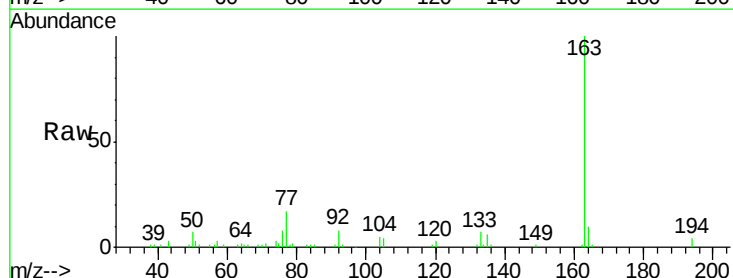
Manual Integrations
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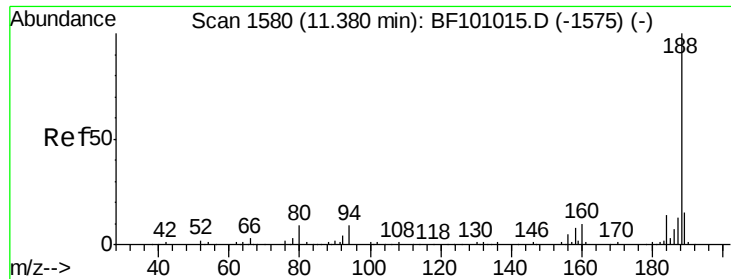
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#49
Dimethylphthalate
Concen: 8.097 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	2.7	4.1#	
164	10.3	8.2	12.2	





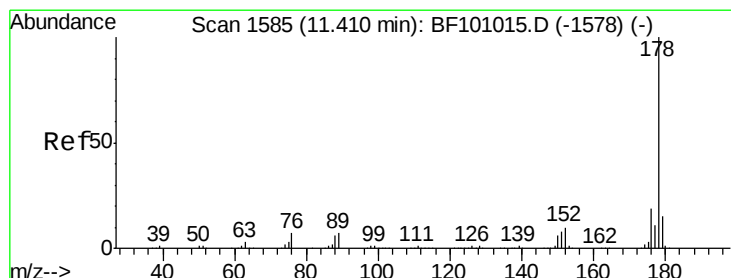
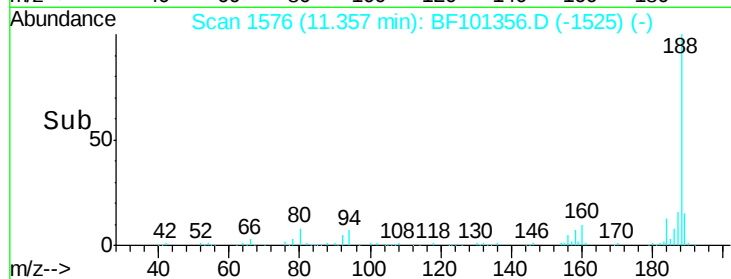
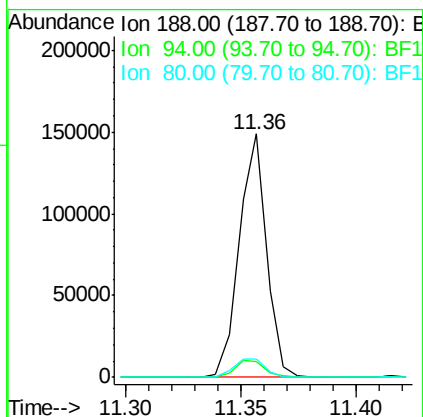
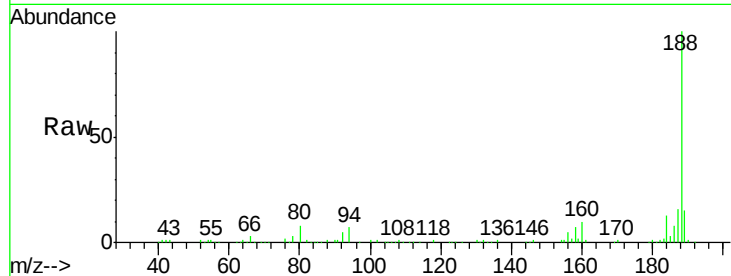
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampleId :
PROS-1-E(3-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.5	8.5	12.7#
80	7.8	9.2	13.8#

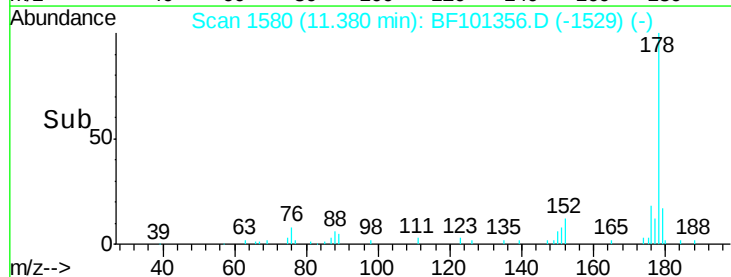
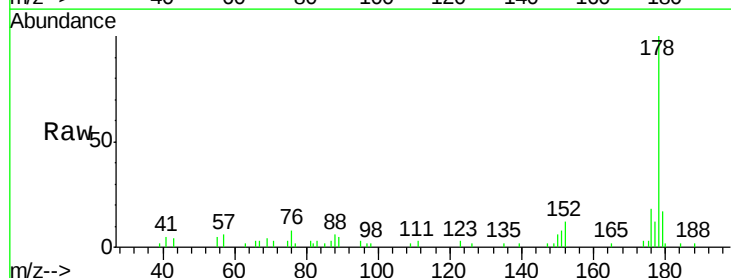
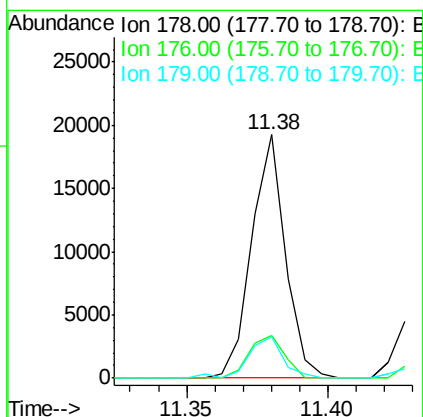
Manual Integrations
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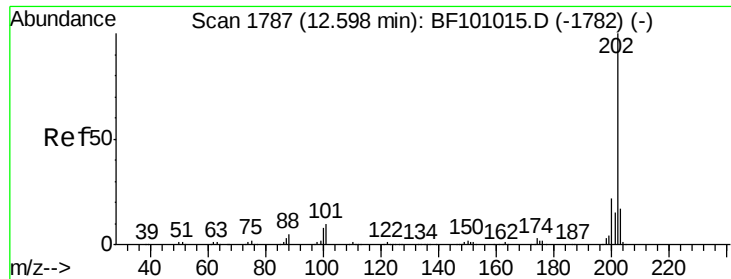
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#70
Phenanthrene
Concen: 2.373 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.6	15.8	23.8
179	17.1	13.0	19.6





#74

Fluoranthene

Concen: 4.288 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

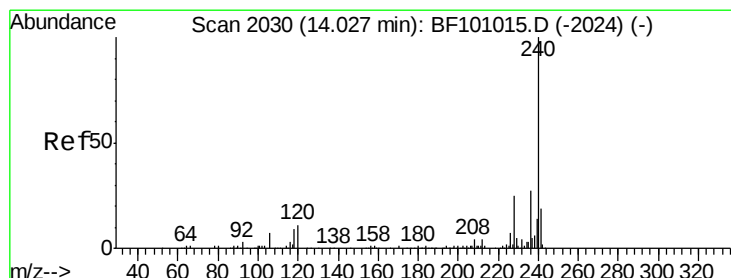
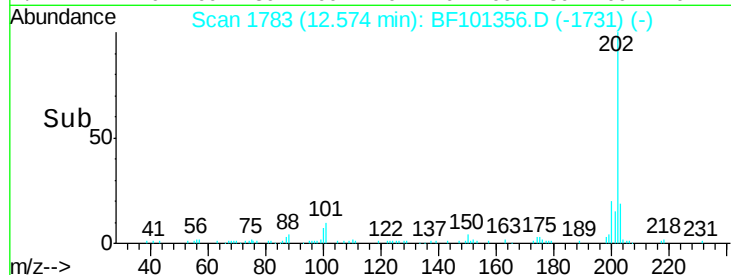
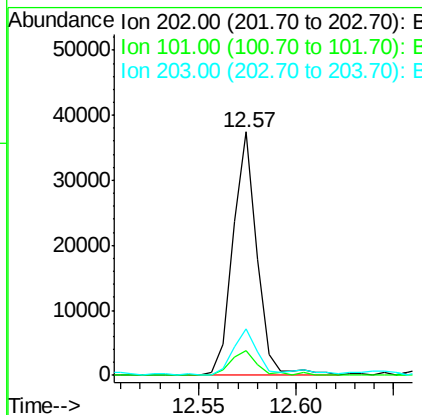
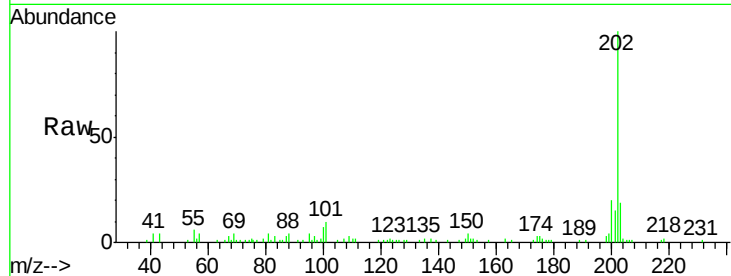
ClientSampled :

PROS-1-E(3-4)

Tot Ion:	202	Resp:	31990
Ion Ratio		Lower	Upper
202	100		
101	9.9	0.0	34.1
203	19.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

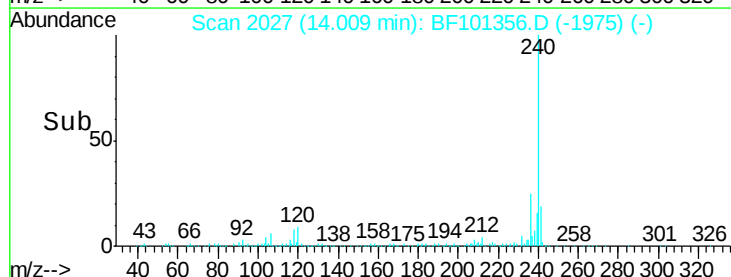
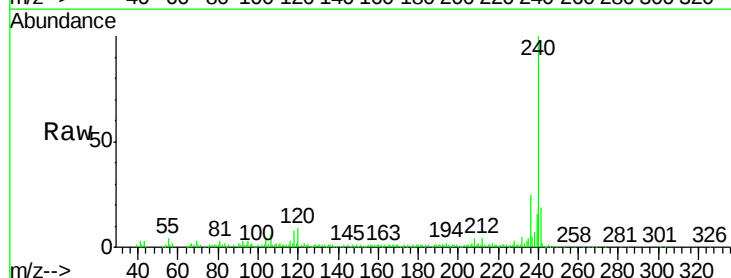
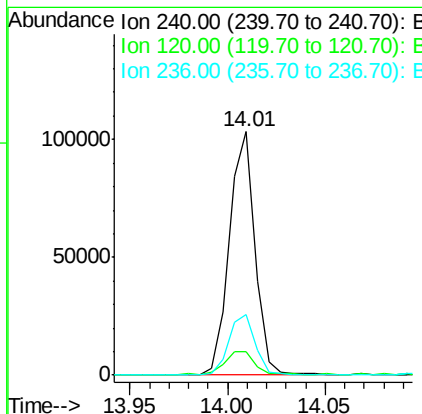
RT: 14.01 min Scan# 2027

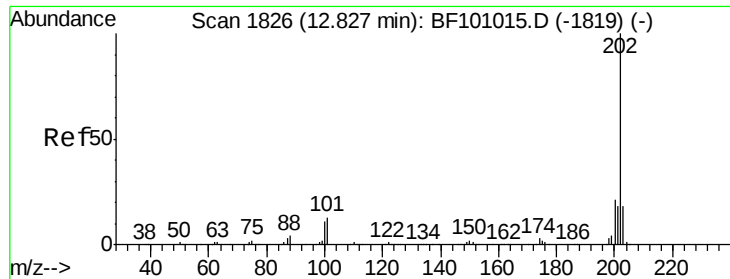
Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Tgt Ion:	240	Resp:	94200
Ion Ratio		Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.0	20.7	31.1





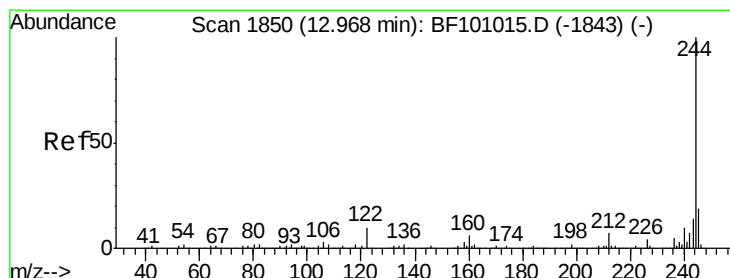
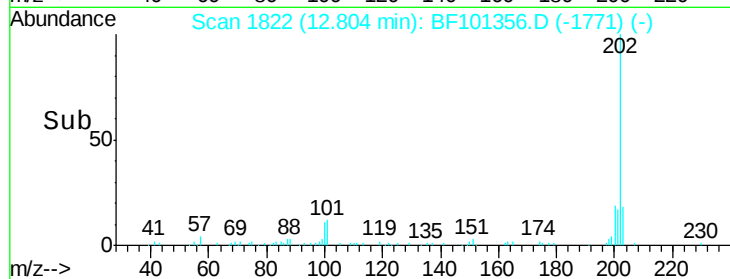
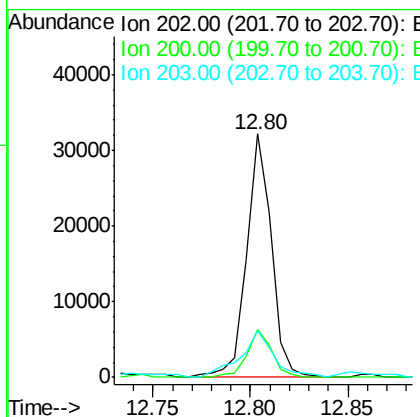
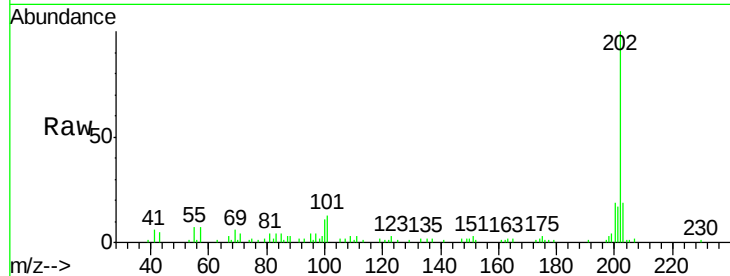
#77
Pvrene
Concen: 4.379 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampleId :
PROS-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.4	26.2
203	19.3	14.3	21.5

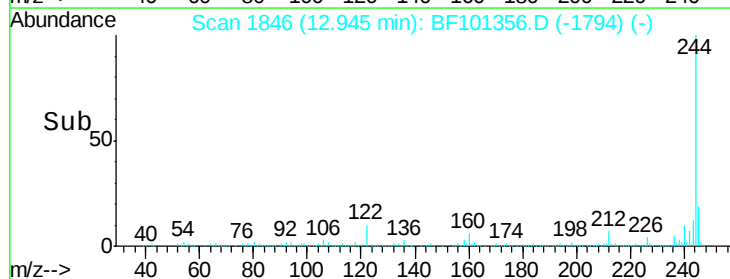
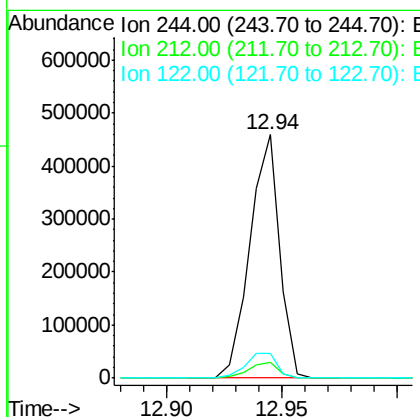
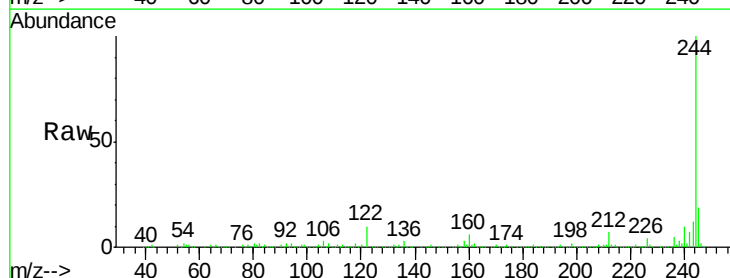
Manual Integrations
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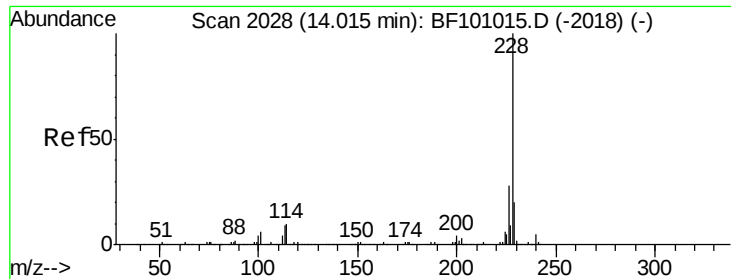
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#78
Terphenyl-d14
Concen: 95.909 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	11.0	16.4#





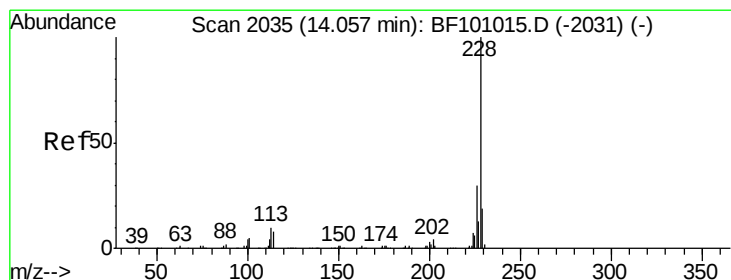
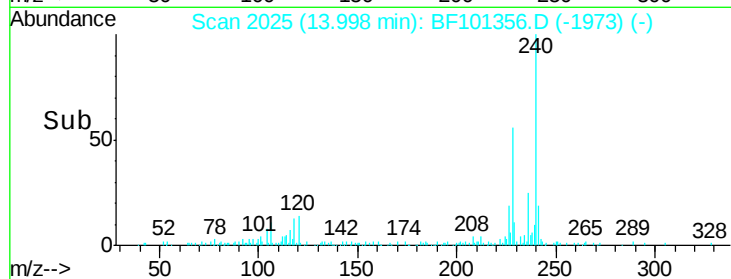
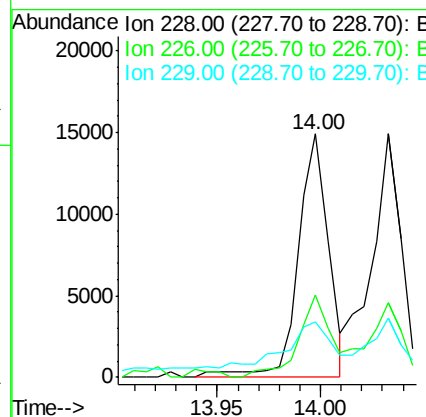
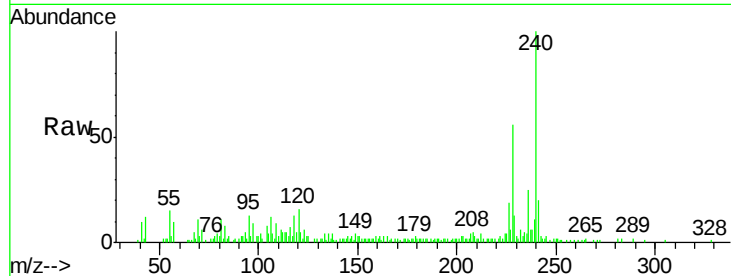
#80
Benzo(a)anthracene
Concen: 2.559 ng m
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampleId :
PROS-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	22.9	15.8	23.6

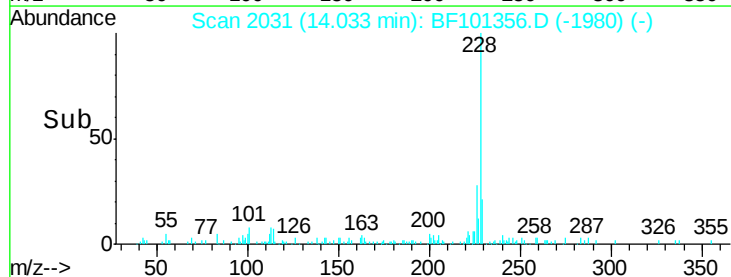
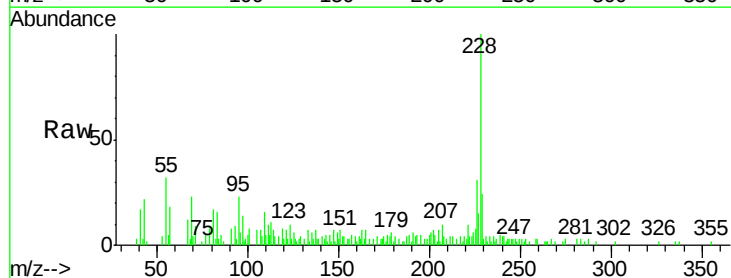
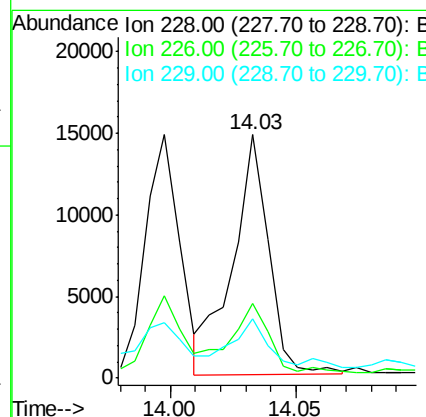
Manual Integrations
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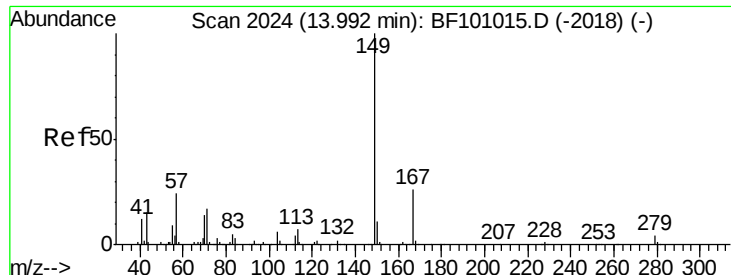
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#82
Chrysene
Concen: 2.662 ng m
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	24.3	16.2	24.4





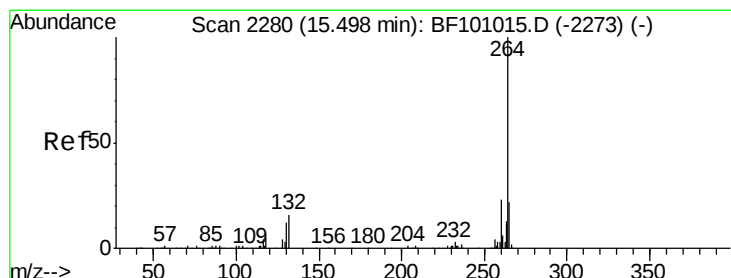
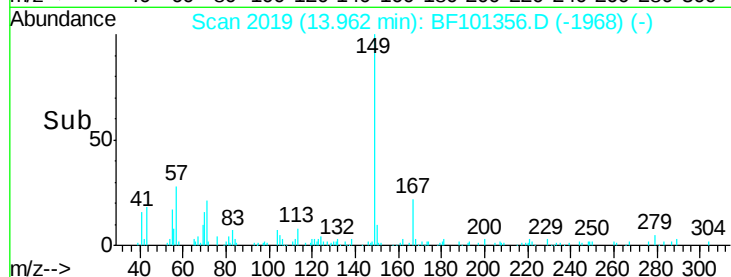
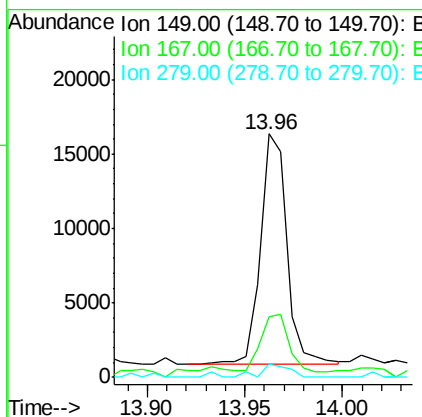
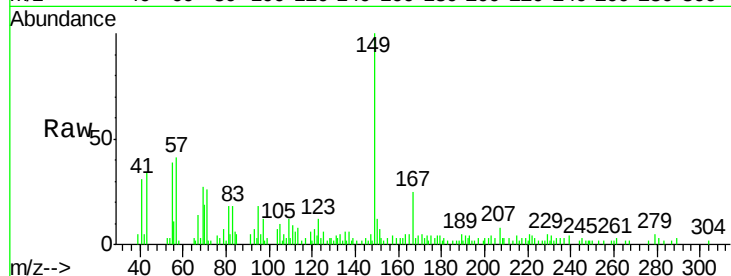
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.545 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampleId :
PROS-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.1	21.3	31.9
279	5.2	3.0	4.4

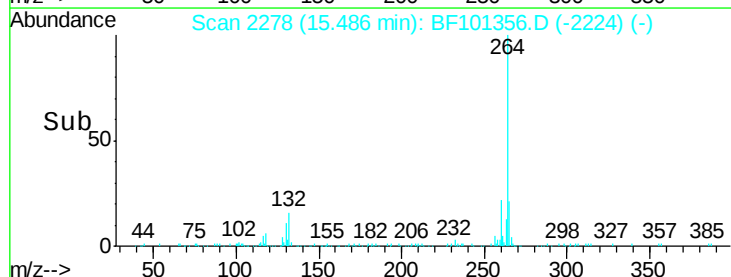
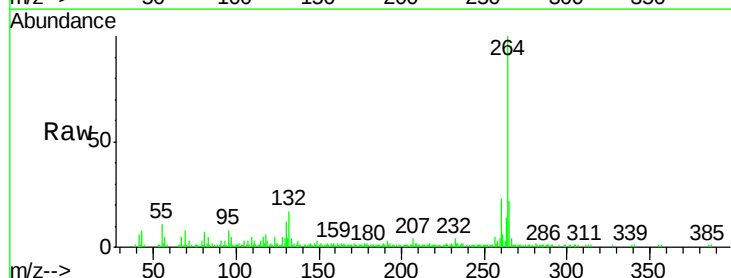
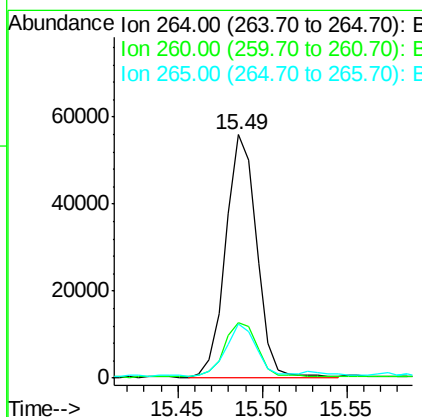
Manual Integrations
APPROVED

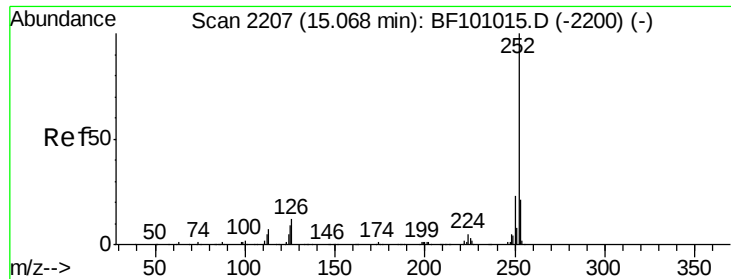
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.354 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

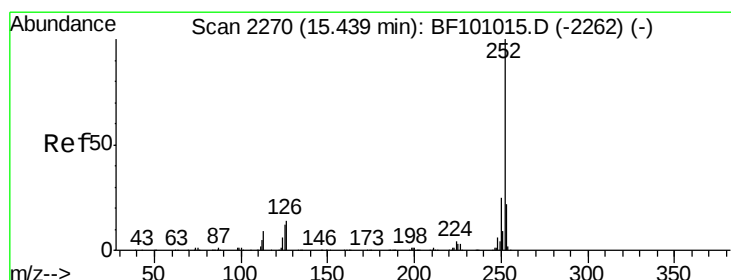
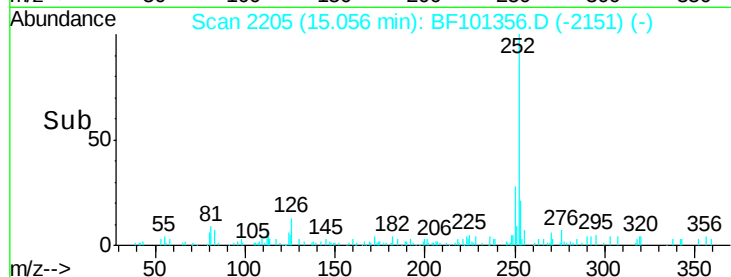
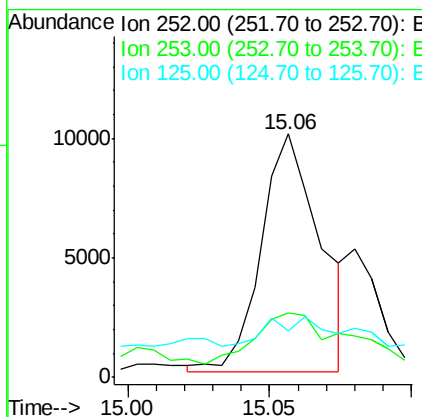
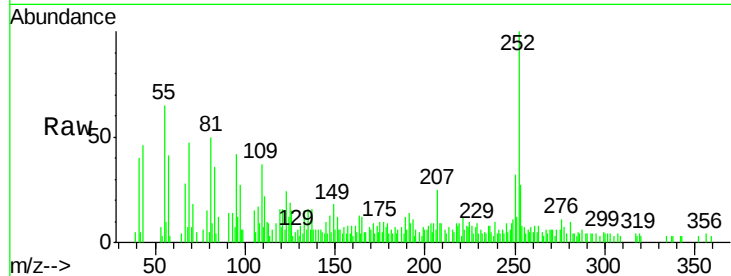
ClientSampled :

PROS-1-E(3-4)

Tot Ion:	252	Resp:	14467
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.0	25.6#
125	19.2	9.0	13.6#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.920 ng

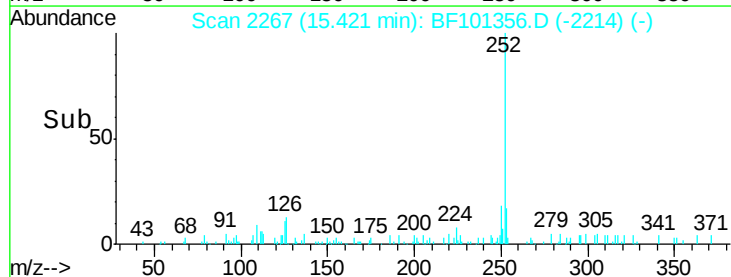
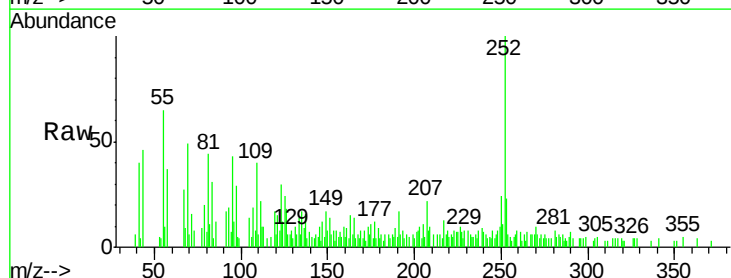
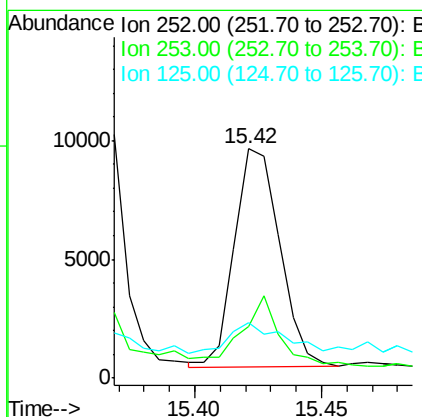
RT: 15.42 min Scan# 2267

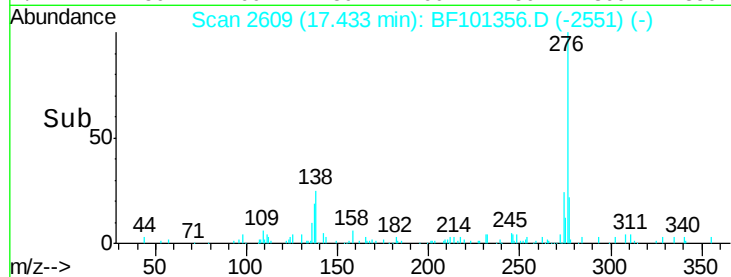
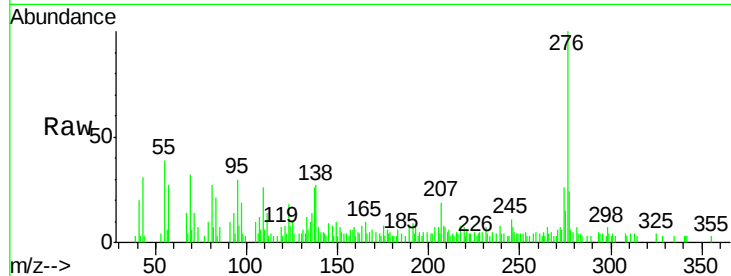
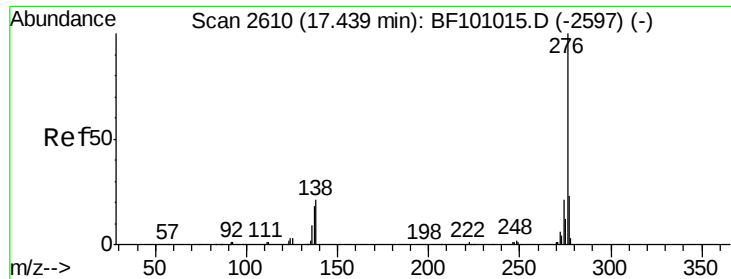
Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Tgt Ion:	252	Resp:	11450
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	24.2	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 7.003 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Tot Ion:	276	Resp:	22818
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.9	26.9
138	27.3	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

PROS-1-E(3-4)

Manual Integrations
APPROVED

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