

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102016\
 Data File : BF090687.D
 Acq On : 20 Oct 2016 17:32
 Operator : UM/SJ
 Sample : H5318-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1

Manual Integrations
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Quant Time: Oct 21 09:18:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	151183m	20.00	ng	-0.02
21) Naphthalene-d8	8.17	136	663709m	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	282408	20.00	ng	-0.03
63) Phenanthrene-d10	11.41	188	379516	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	372516	20.00	ng	-0.03
86) Perylene-d12	15.50	264	300221	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1244013	150.85	ng	-0.03
7) Phenol-d6	6.52	99	1747945	142.64	ng	-0.02
23) Nitrobenzene-d5	7.45	82	1130562	94.62	ng	-0.03
41) 2,4,6-Tribromophenol	10.71	330	270950	107.61	ng	-0.03
44) 2-Fluorobiphenyl	9.24	172	1523123	88.87	ng	-0.03
78) Terphenyl-d14	13.00	244	1237082	77.32	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.64	163	285725	15.59	ng	97
70) Phenanthrene	11.44	178	384812	18.99	ng	99
71) Anthracene	11.48	178	90447	4.15	ng	99
73) Di-n-butylphthalate	11.97	149	70282	3.07	ng	# 98
74) Fluoranthene	12.62	202	778702	38.21	ng	95
77) Pyrene	12.85	202	1135868	46.04	ng	99
80) Benzo(a)anthracene	14.04	228	875832	41.30	ng	97
82) Chrysene	14.08	228	773425	37.85	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	242908	20.56	ng	96
87) Benzo(b)fluoranthene	15.09	252	744447m	37.89	ng	
88) Benzo(k)fluoranthene	15.10	252	196930m	9.32	ng	
89) Benzo(a)pyrene	15.45	252	518770	28.84	ng	97
91) Benzo(a,h,i)perylene	17.37	276	246513	18.85	ng	99

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

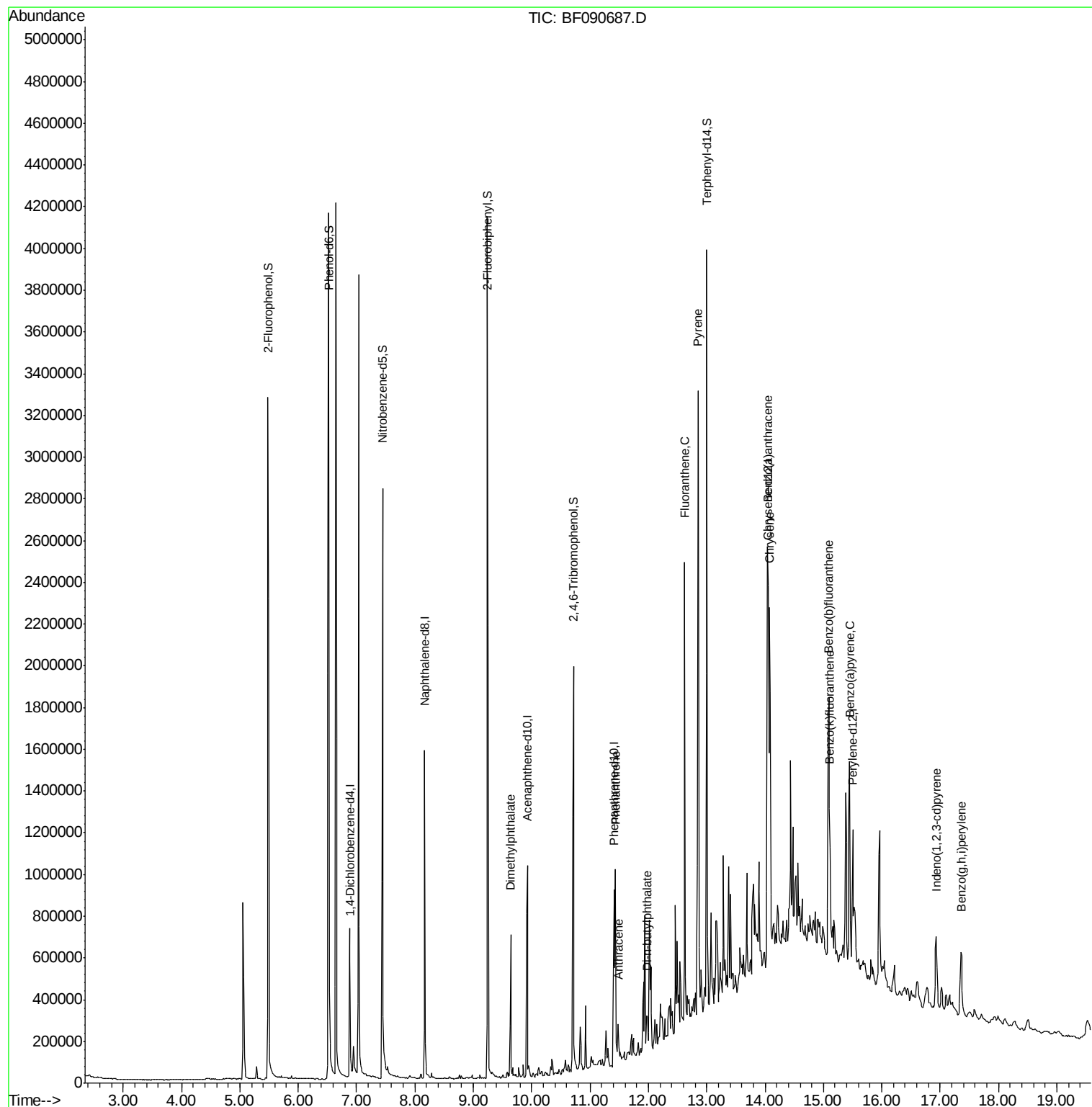
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102016\
Data File : BF090687.D
Acq On : 20 Oct 2016 17:32
Operator : UM/SJ
Sample : H5318-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

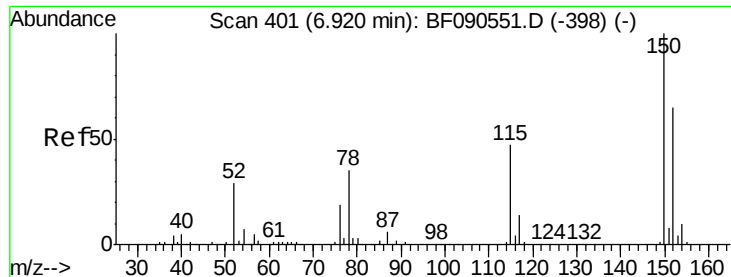
Instrument :
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ClientSampleId :
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#1

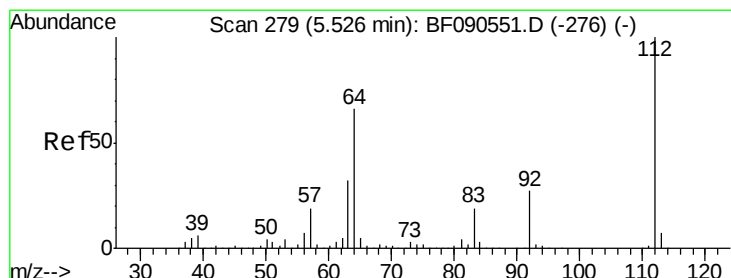
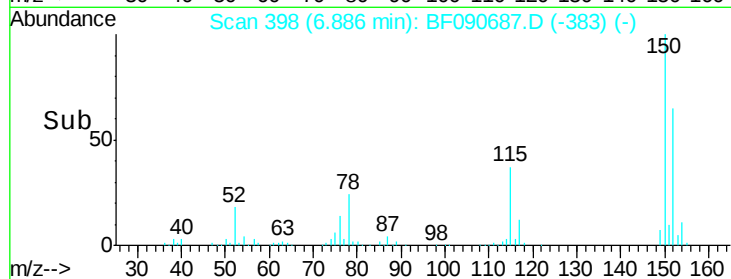
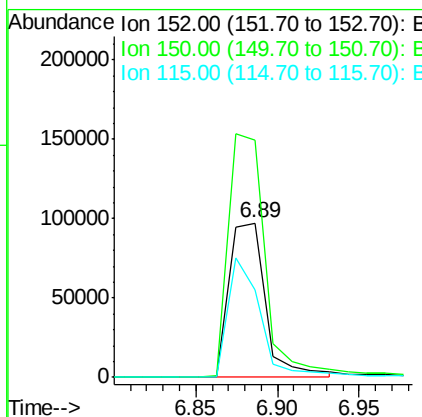
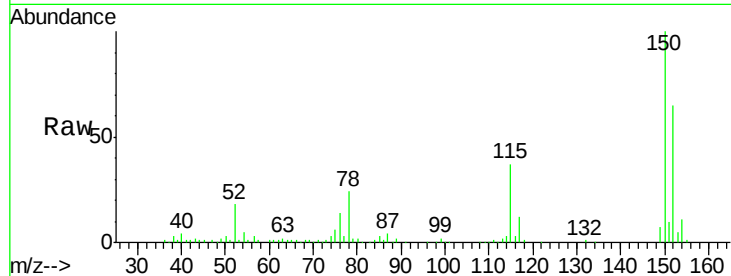
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.89 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: BF090687.D
 Acq: 20 Oct 2016 17:32

Instrument :
 BNA_F
 ClientSampleId :
 FD-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	127.2	190.8
115	56.8	58.6	88.0

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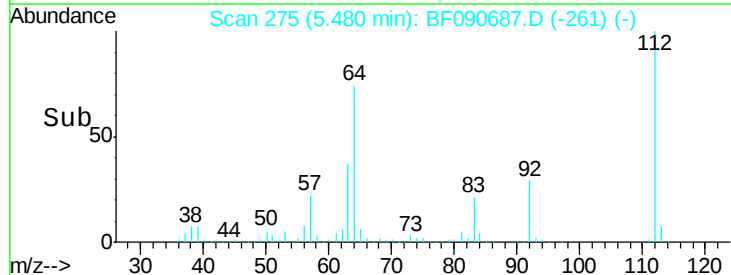
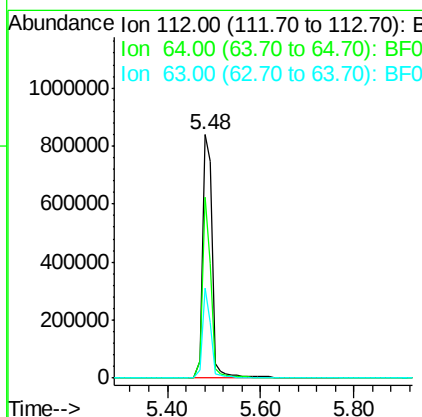
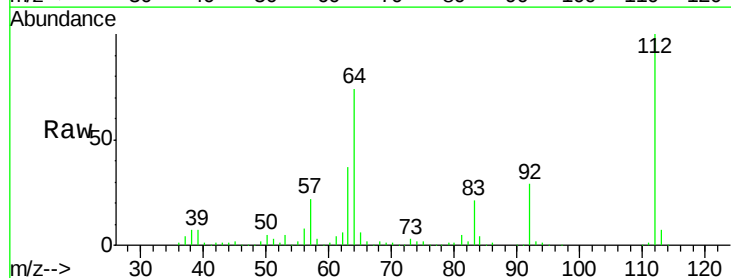
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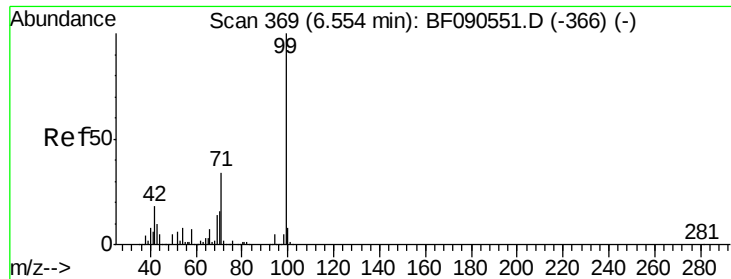


#5

2-Fluorophenol
 Concen: 150.85 ng
 RT: 5.48 min Scan# 275
 Delta R.T. -0.03 min
 Lab File: BF090687.D
 Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	52.6	78.8
63	36.9	26.0	39.0





#7

Phenol-d6

Concen: 142.64 ng

RT: 6.52 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

Tot Ion: 99 Resp: 1747945

Ion Ratio Lower Upper

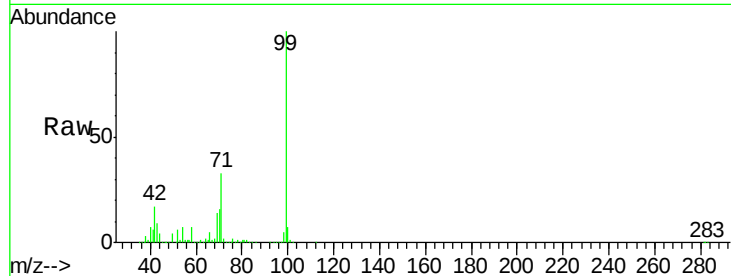
99 100

42 16.6 14.7 22.1

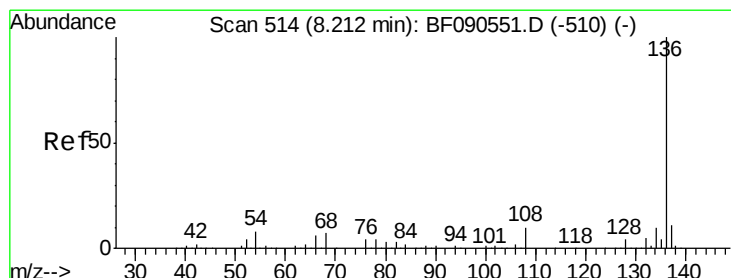
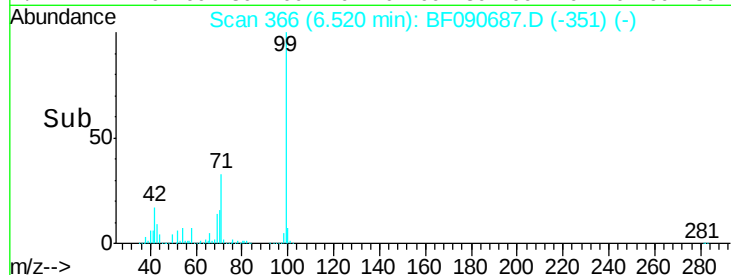
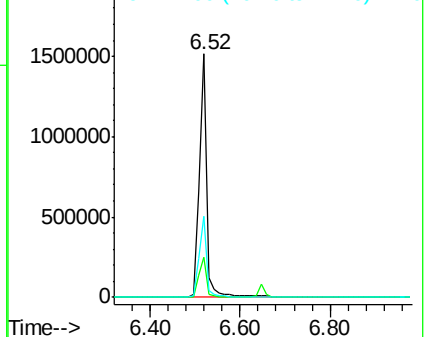
71 33.5 27.6 41.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 8.17 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Tgt Ion: 136 Resp: 663709

Ion Ratio Lower Upper

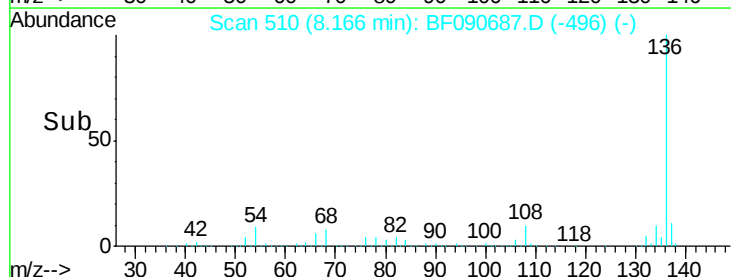
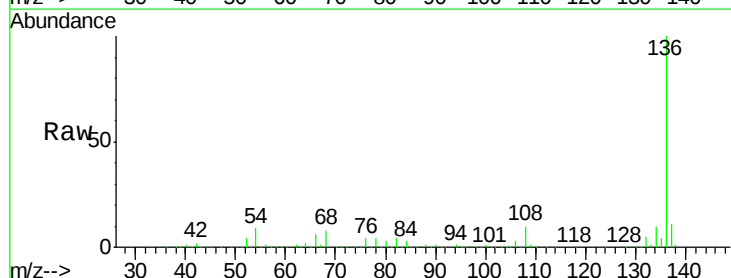
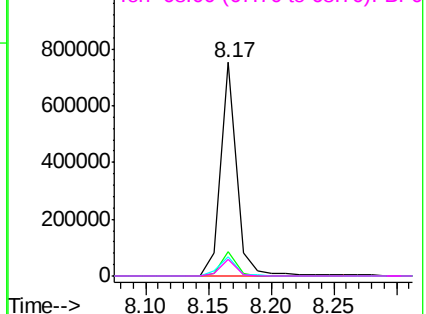
136 100

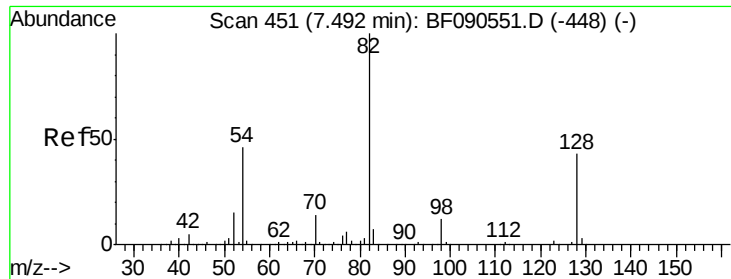
137 11.3 8.8 13.2

54 9.3 6.8 10.2

68 7.7 6.0 9.0

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





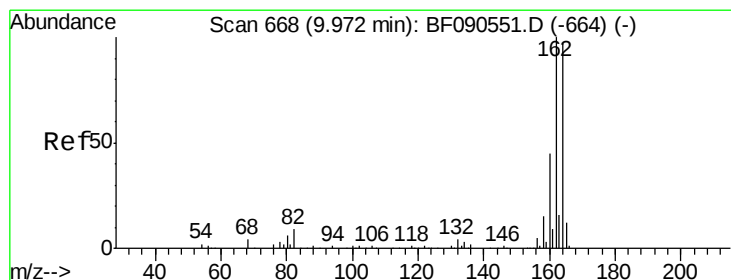
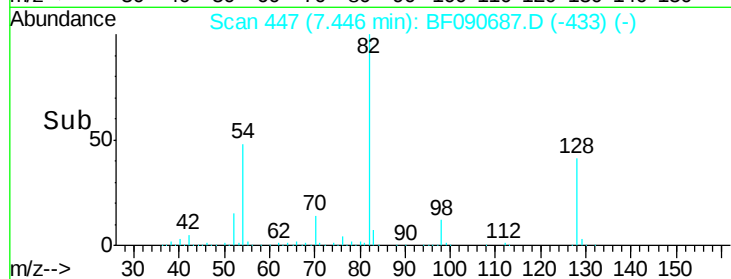
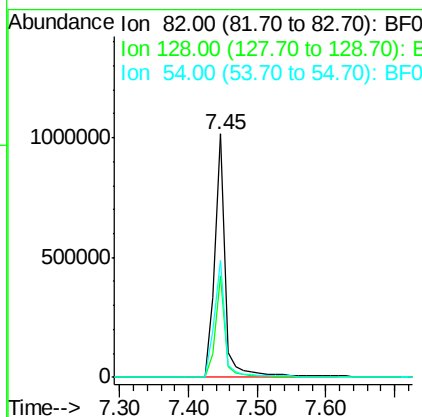
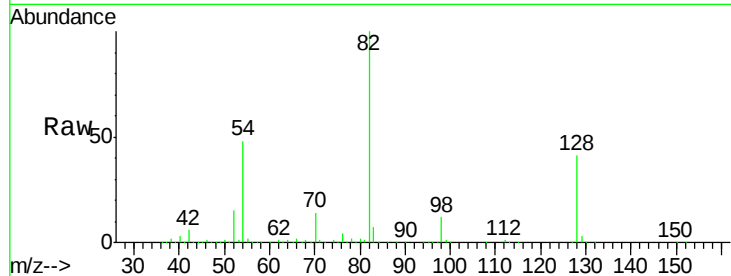
#23
Nitrobenzene-d5
Concen: 94.62 ng
RT: 7.45 min Scan# 447
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampleId :
FD-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.3	51.5
54	48.1	37.0	55.6

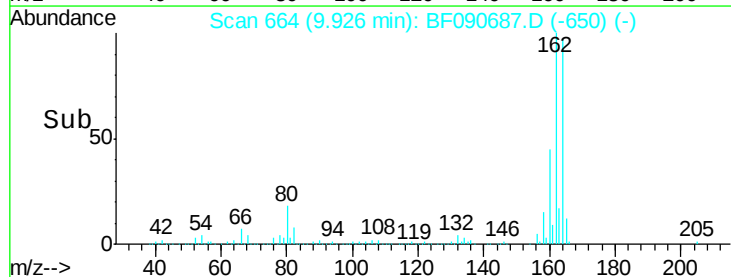
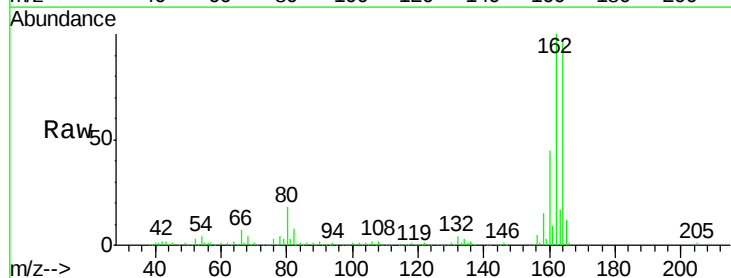
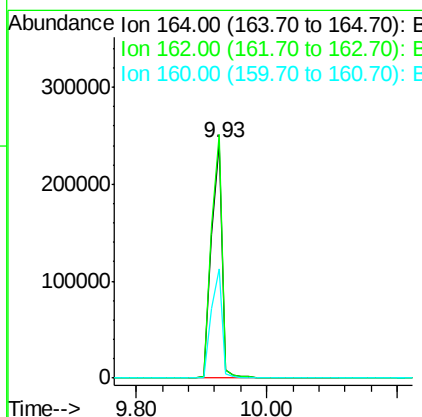
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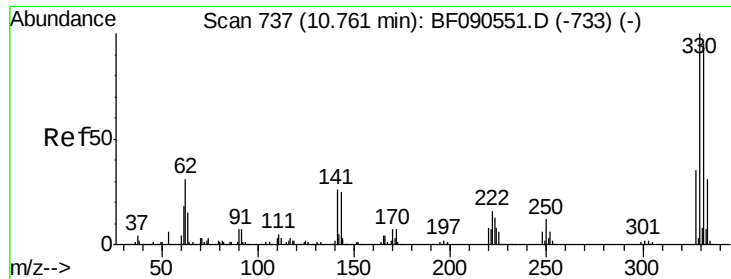
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.4
160	46.5	36.6	55.0





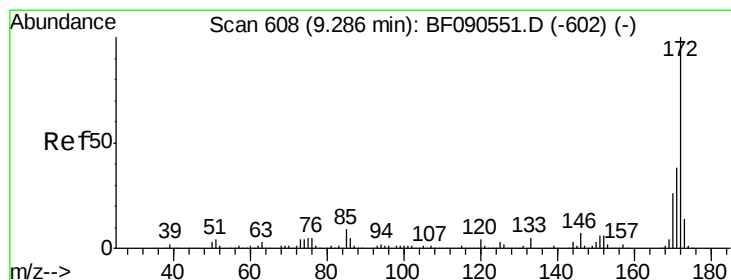
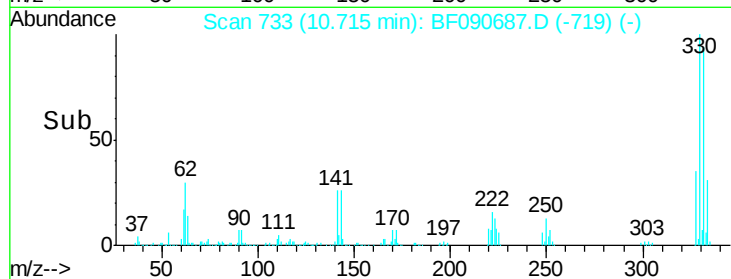
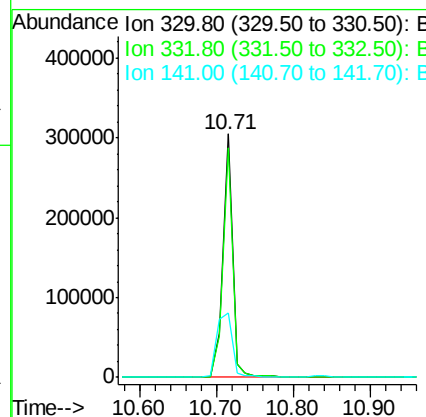
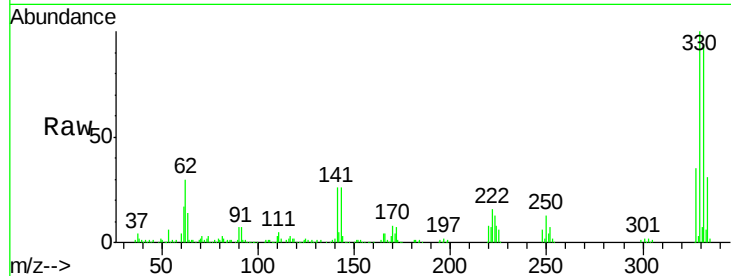
#41
 2,4,6-Tribromophenol
 Concen: 107.61 ng
 RT: 10.71 min Scan# 733
 Delta R.T. -0.03 min
 Lab File: BF090687.D
 Acq: 20 Oct 2016 17:32

Instrument :
 BNA_F
 ClientSampled :
 FD-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	270950		
332	94.5	76.2	114.2	
141	41.9	31.4	47.2	

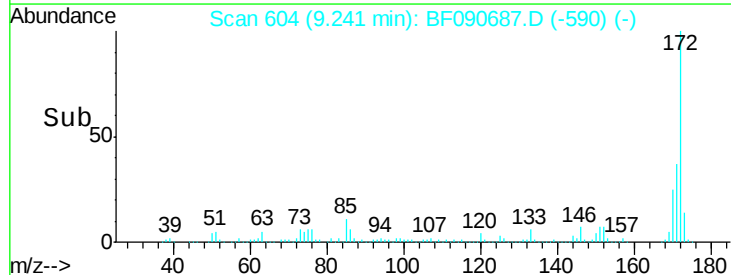
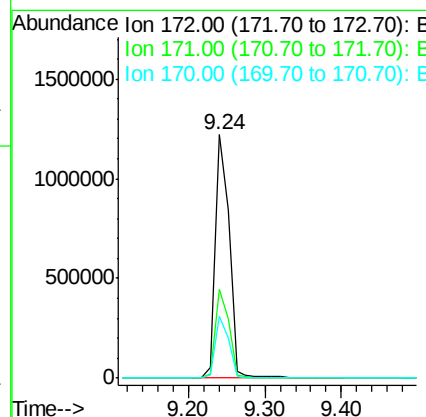
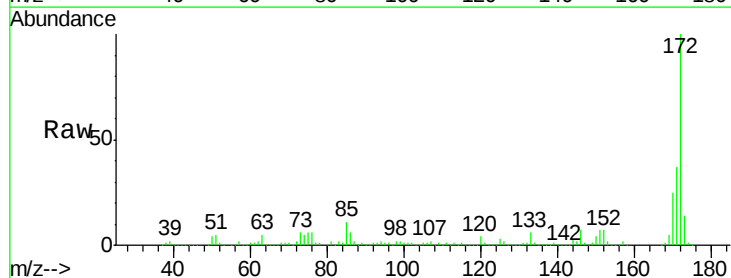
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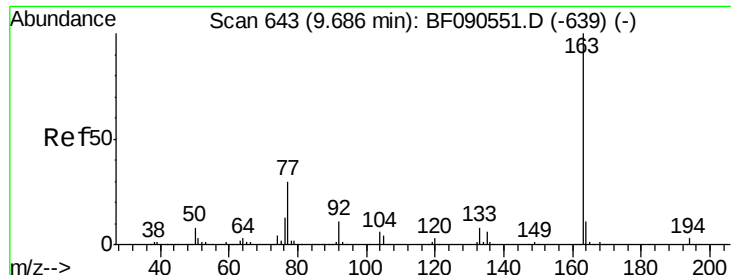
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#44
 2-Fluorobiphenyl
 Concen: 88.87 ng
 RT: 9.24 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF090687.D
 Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1523123		
171	36.6	30.1	45.1	
170	25.3	20.6	30.8	





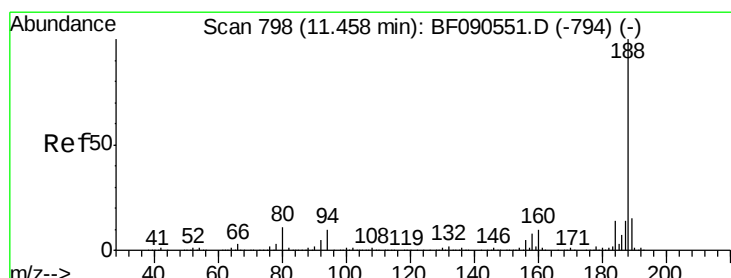
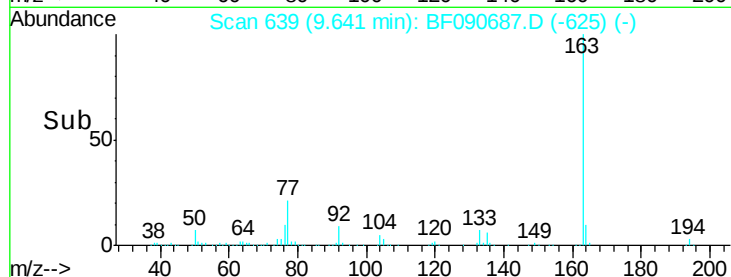
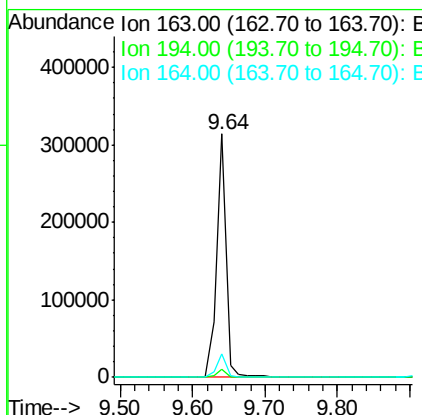
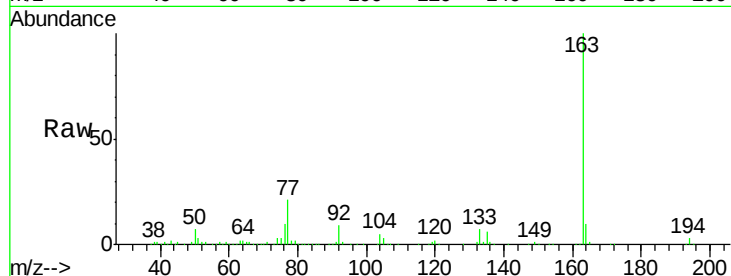
#49
Dimethylphthalate
Concen: 15.59 ng
RT: 9.64 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	285725		
194	3.2		2.3	3.5
164	9.7		8.6	13.0

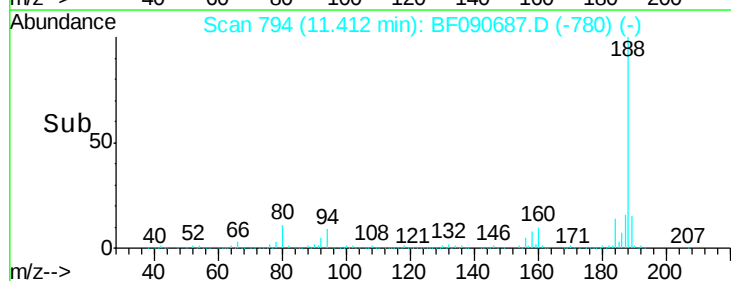
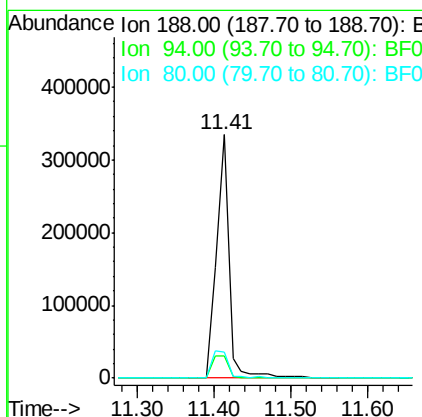
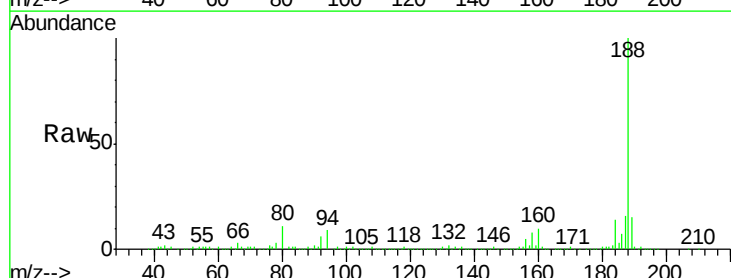
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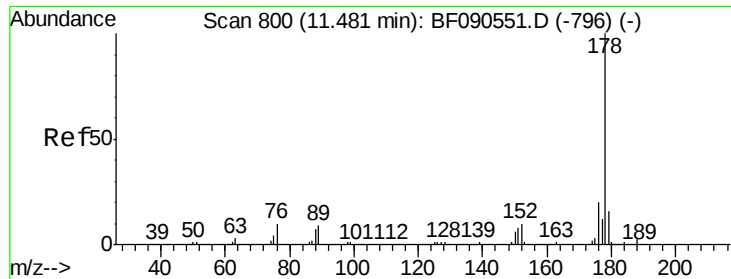
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 794
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	379516		
94	9.2		7.7	11.5
80	10.7		8.6	12.8





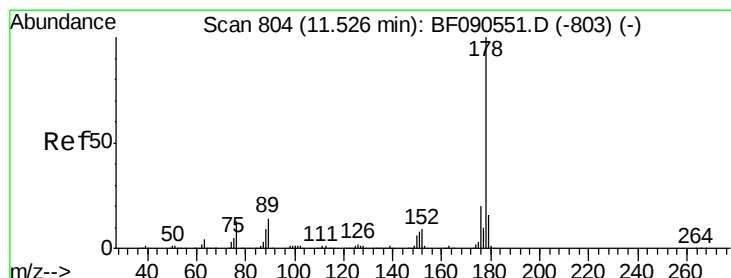
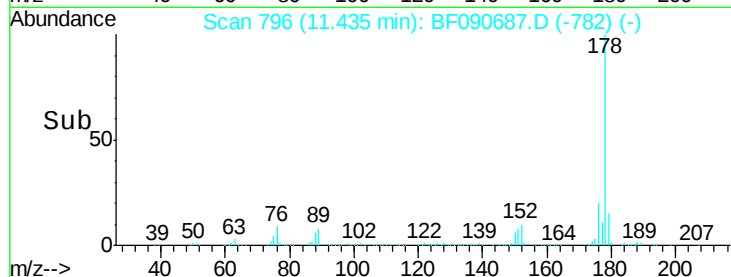
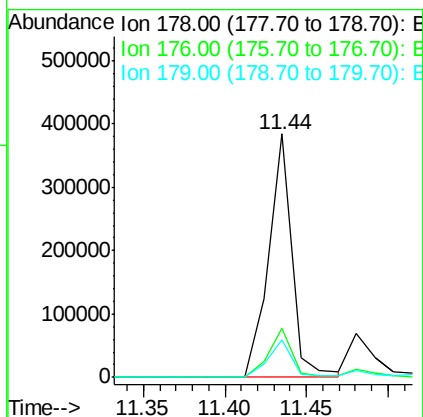
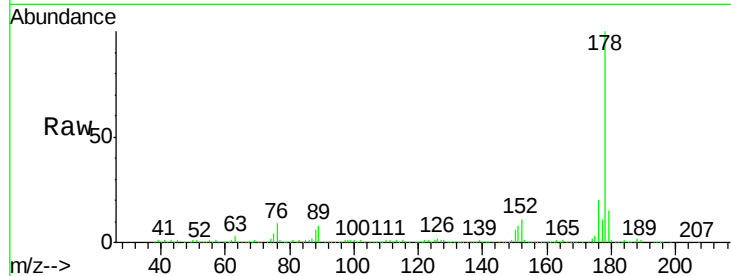
#70
Phenanthrene
Concen: 18.99 ng
RT: 11.44 min Scan# 796
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.1	24.1
179	15.2	12.6	19.0

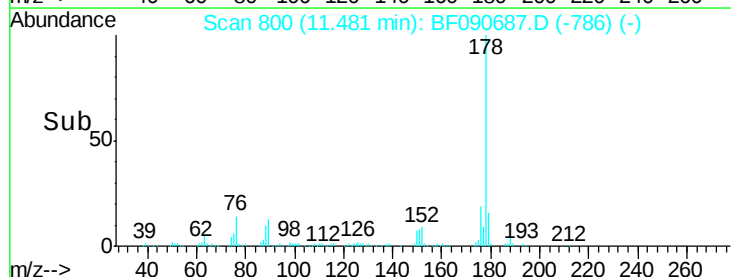
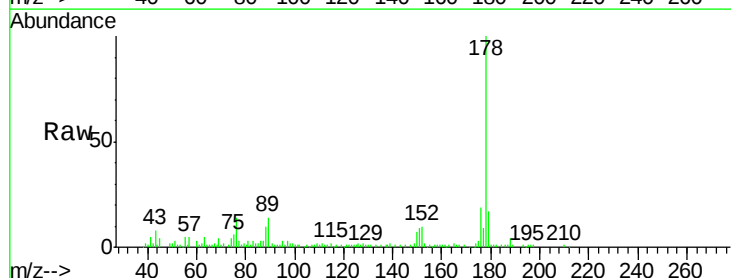
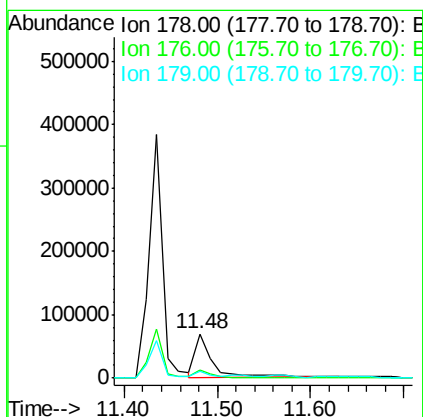
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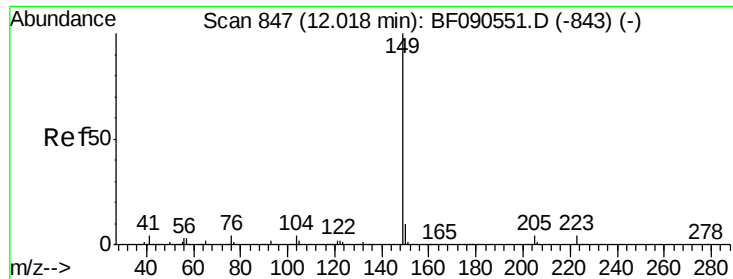
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#71
Anthracene
Concen: 4.15 ng
RT: 11.48 min Scan# 800
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	16.6	13.0	19.4





#73

Di-n-butylphthalate

Concen: 3.07 ng

RT: 11.97 min Scan# 843

Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

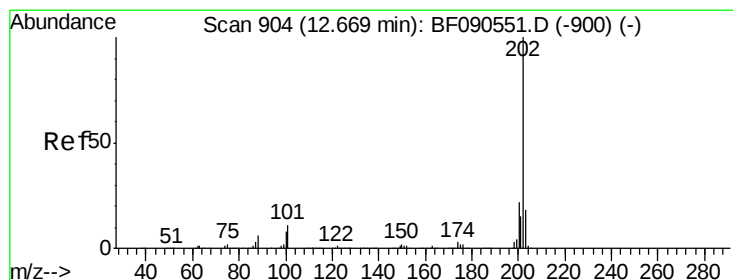
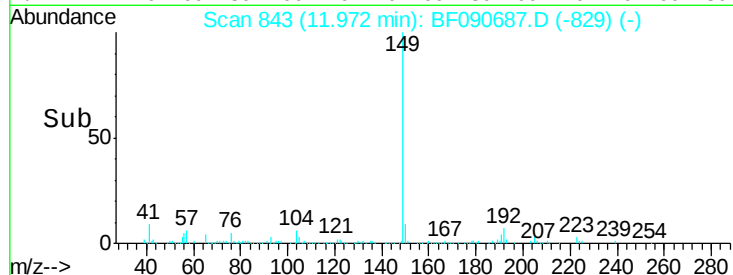
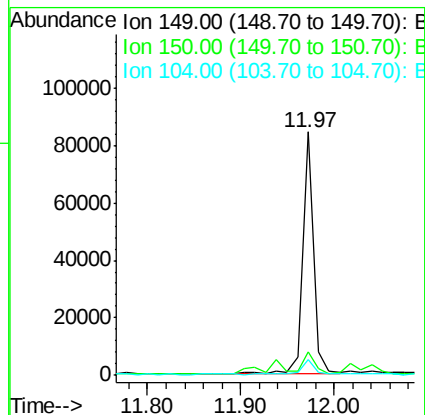
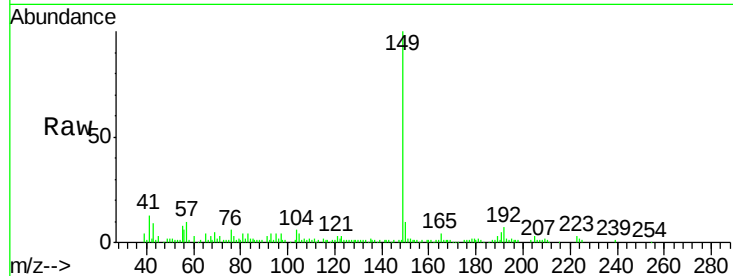
ClientSampled :

FD-1

Tot Ion:	149	Resp:	70282
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	6.3	3.3	4.9

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#74

Fluoranthene

Concen: 38.21 ng

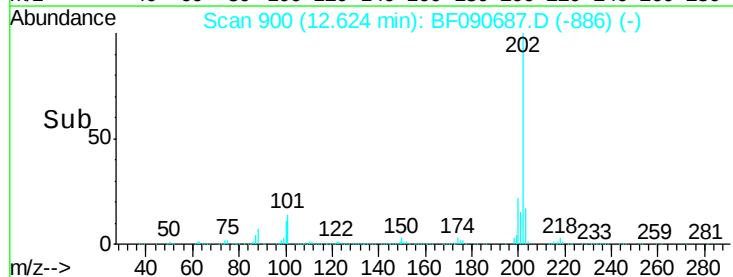
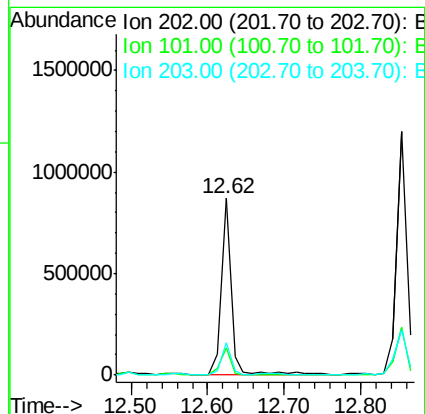
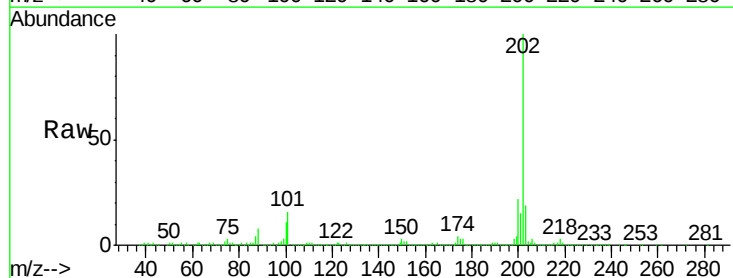
RT: 12.62 min Scan# 900

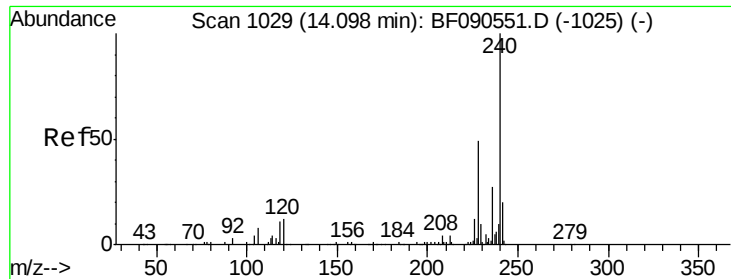
Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Tgt Ion:	202	Resp:	778702
Ion Ratio	Lower	Upper	
202	100		
101	15.6	0.0	31.1
203	18.5	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

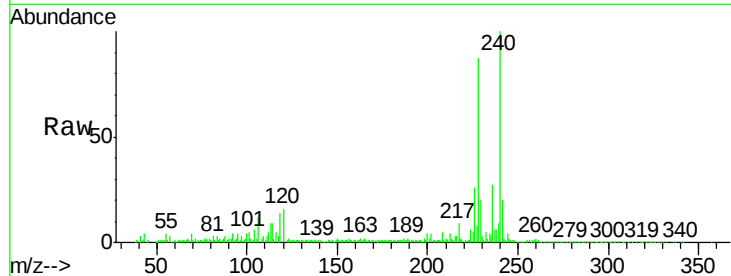
ClientSampled :

FD-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.3	9.8	14.8
236	27.1	21.7	32.5

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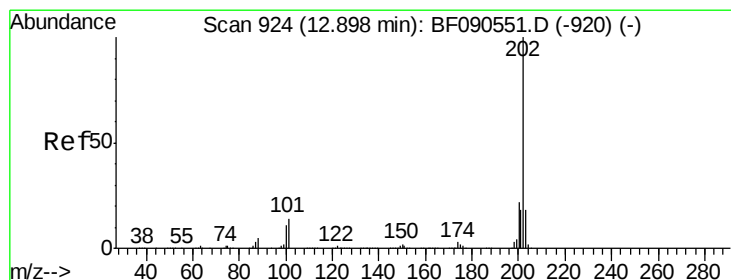
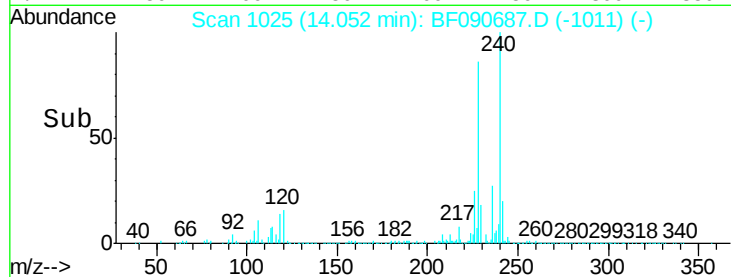
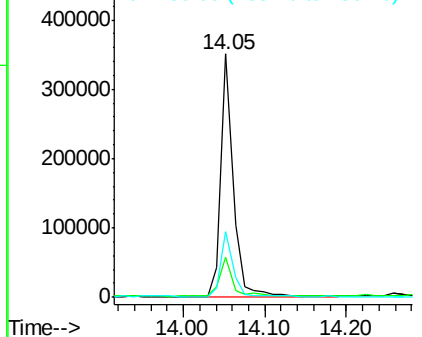
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 46.04 ng

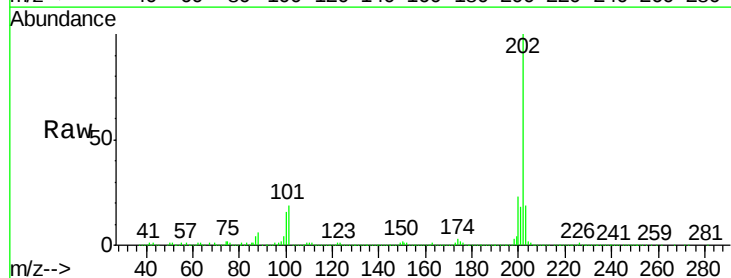
RT: 12.85 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

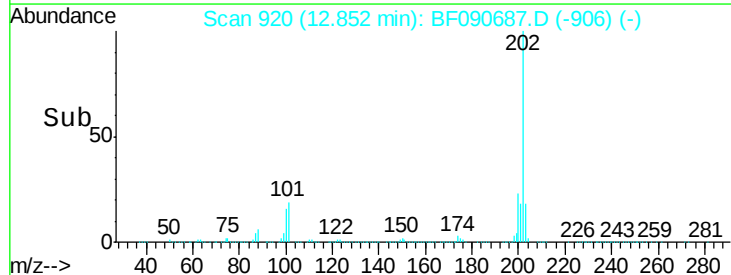
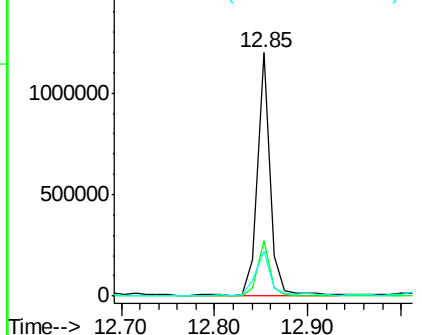
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.8	26.6
203	18.8	14.6	21.8

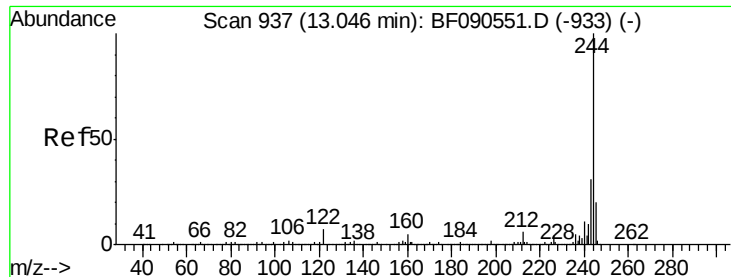


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.32 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

Tot Ion:244 Resp: 1237082

Ion Ratio Lower Upper

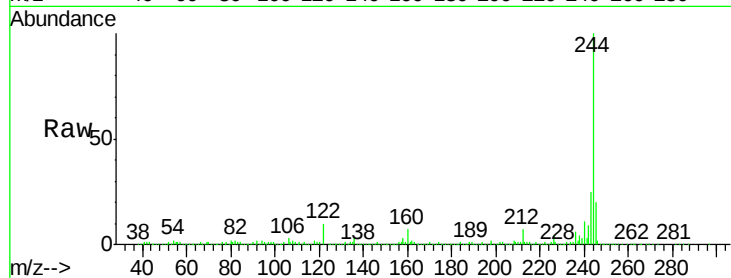
244 100

212 7.2 5.0 7.4

122 10.4 5.6 8.4#

Manual Integrations
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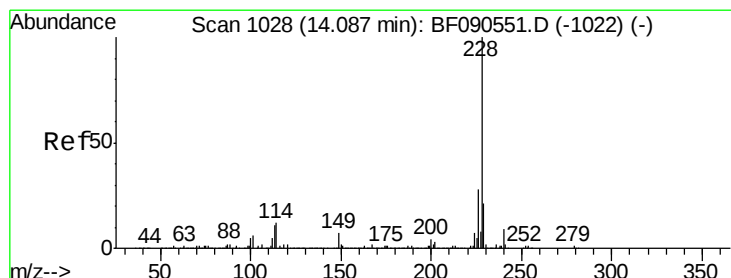
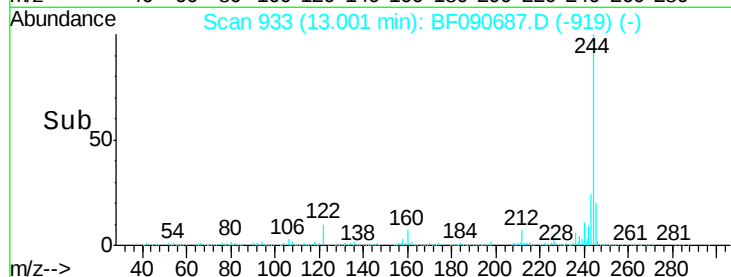
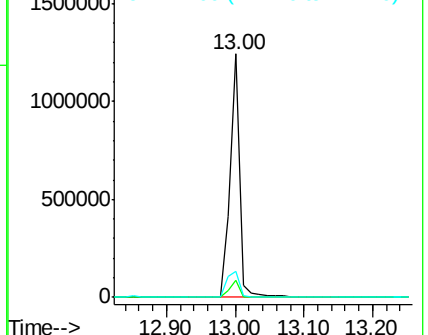
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 41.30 ng

RT: 14.04 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

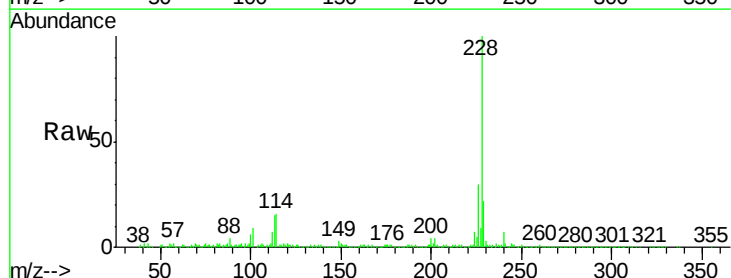
Tgt Ion:228 Resp: 875832

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

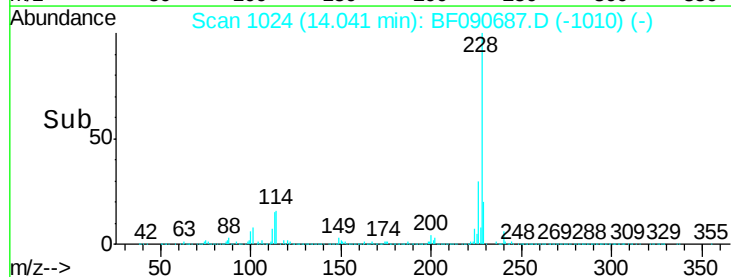
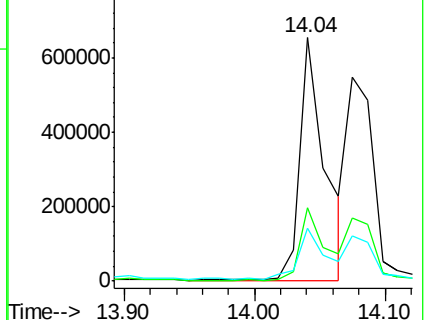
229 21.9 16.6 25.0

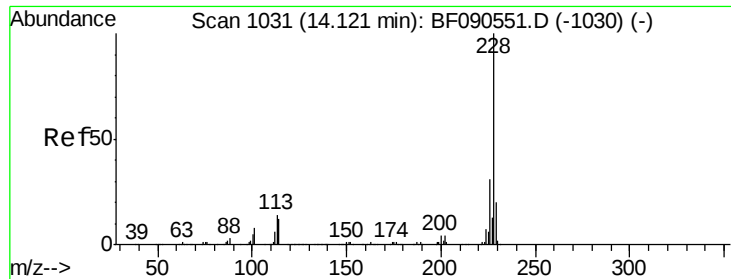


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





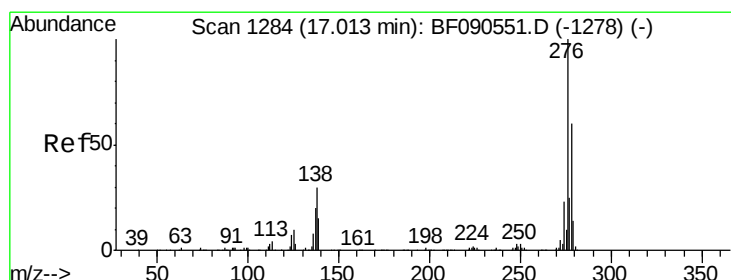
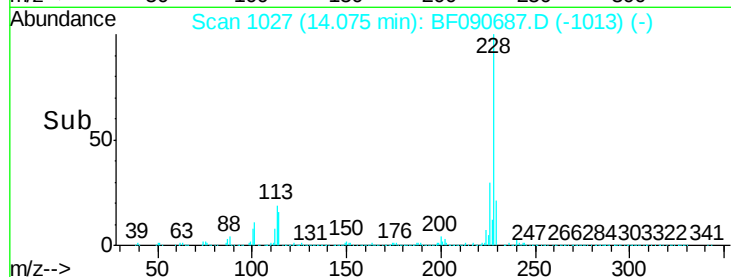
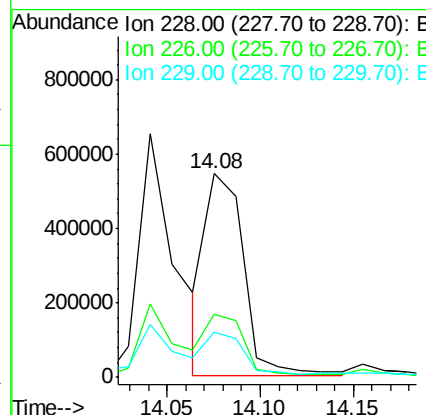
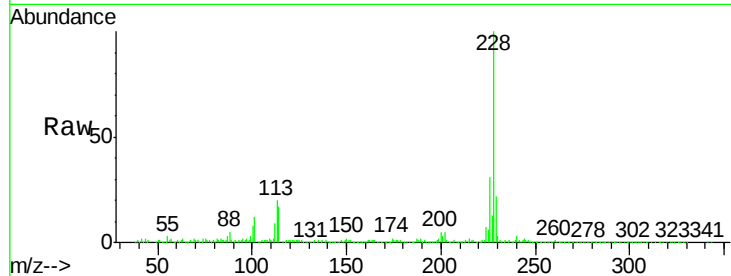
#82
Chrysene
Concen: 37.85 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	21.9	16.2	24.4

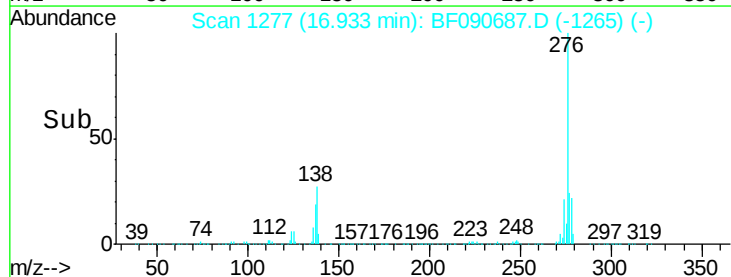
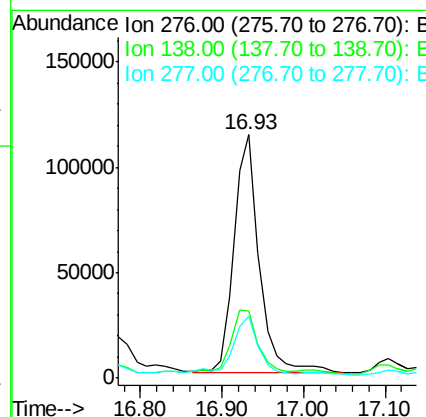
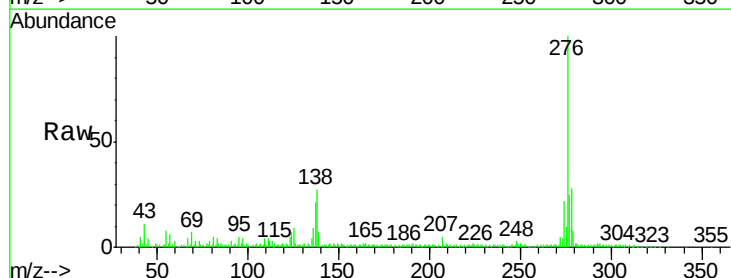
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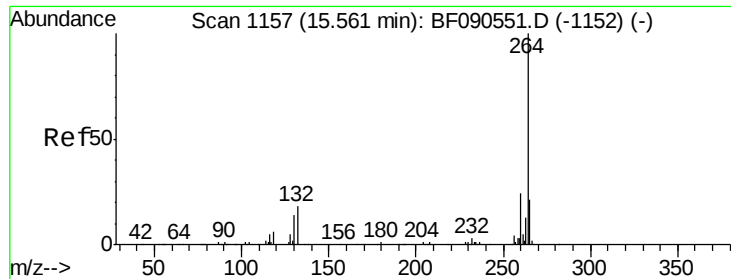
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#85
Indeno(1,2,3-cd)pyrene
Concen: 20.56 ng
RT: 16.93 min Scan# 1277
Delta R.T. -0.06 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.8	38.6
277	25.1	20.1	30.1





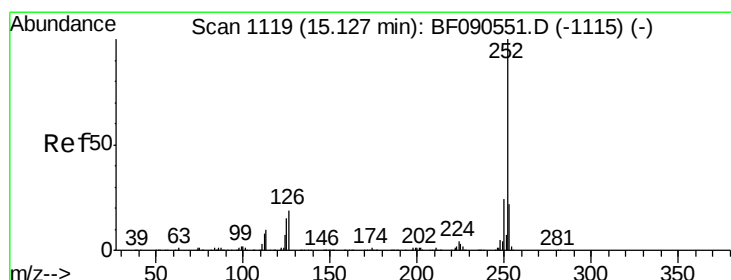
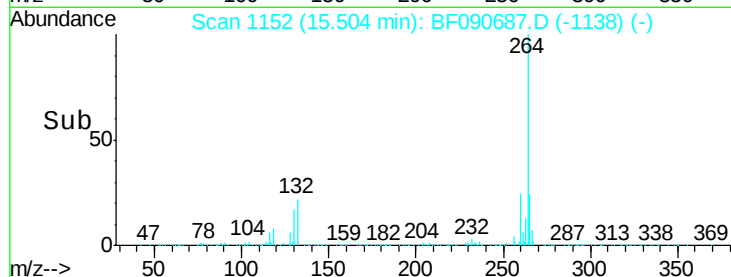
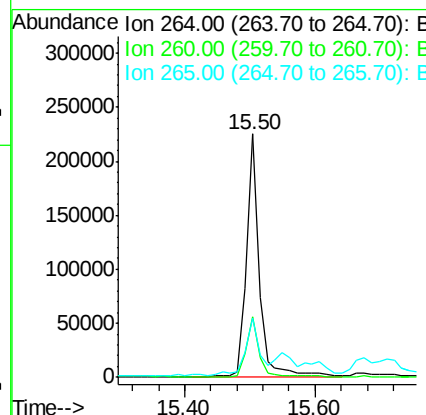
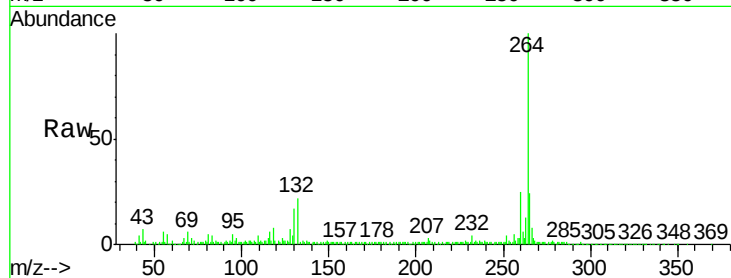
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampleId :
FD-1

Tot Ion:264	Resp:	300221
Ion Ratio	Lower	Upper
264 100		
260 24.8	19.3	28.9
265 24.4	16.7	25.1

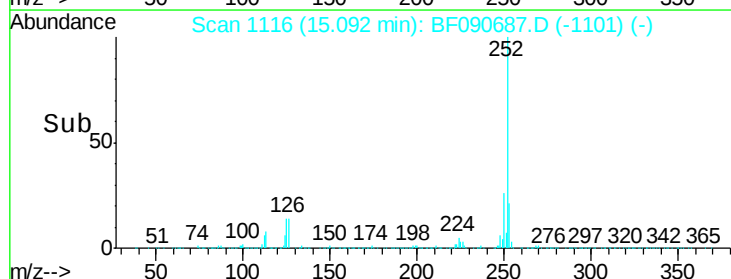
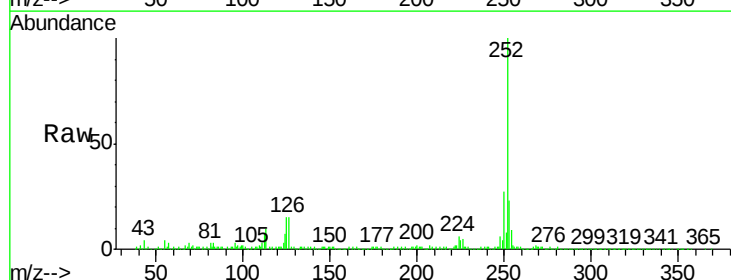
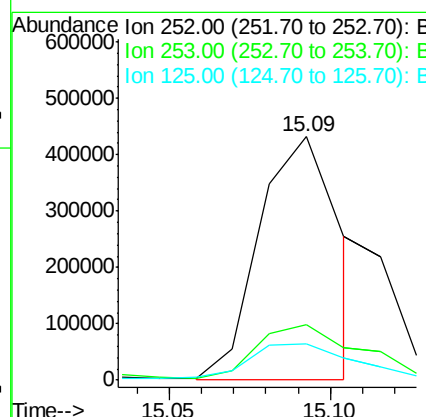
Manual Integrations
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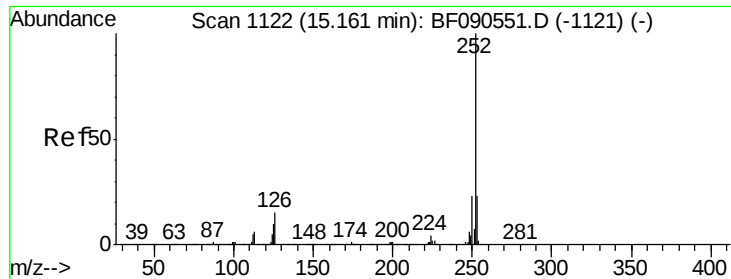
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#87
Benzo(b)fluoranthene
Concen: 37.89 ng m
RT: 15.09 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion:252	Resp:	744447
Ion Ratio	Lower	Upper
252 100		
253 22.9	17.8	26.8
125 15.1	12.0	18.0





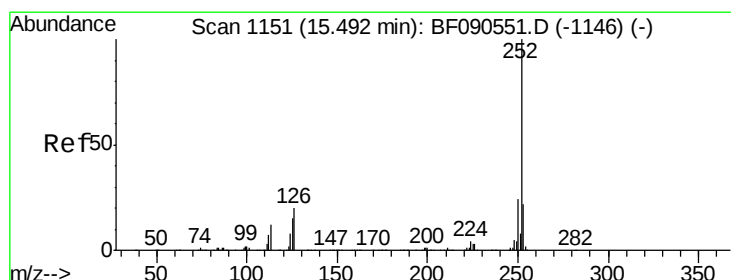
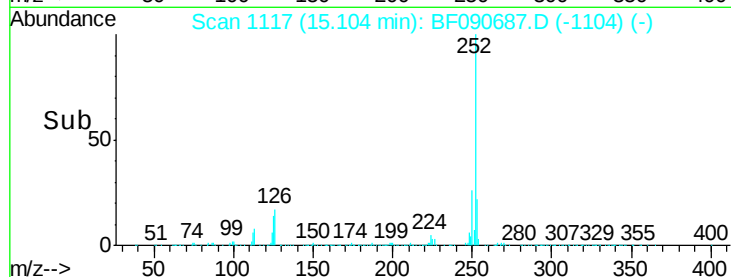
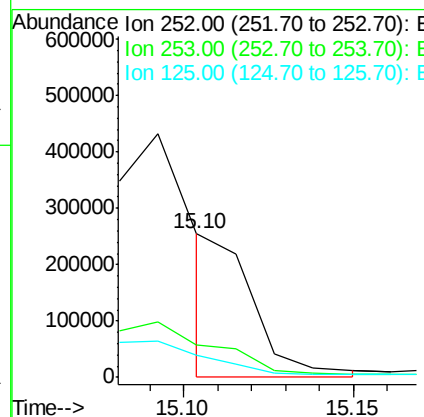
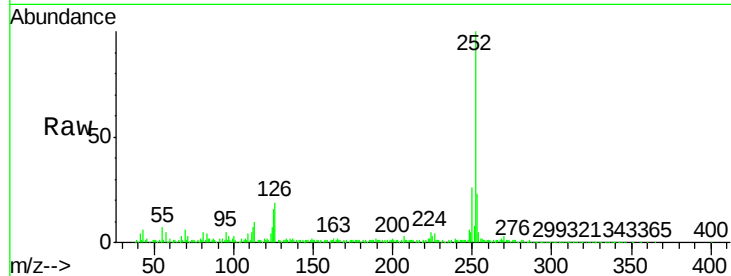
#88
Benzo(k)fluoranthene
Concen: 9.32 ng m
RT: 15.10 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	15.9	10.0	15.0

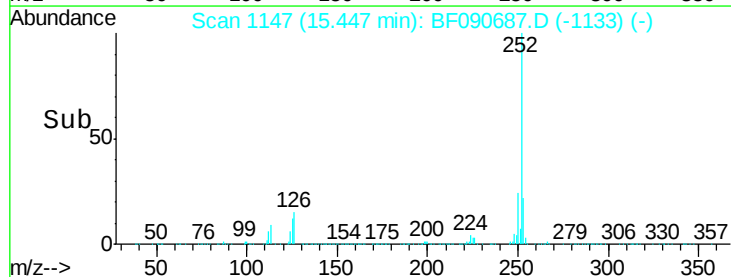
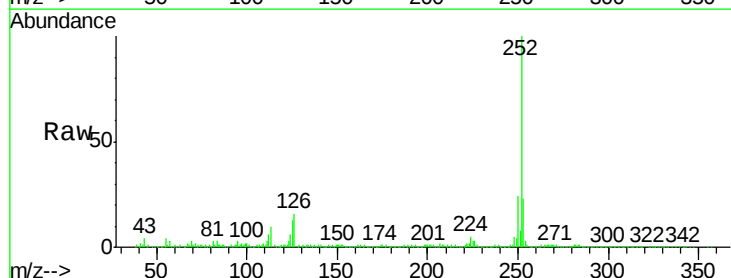
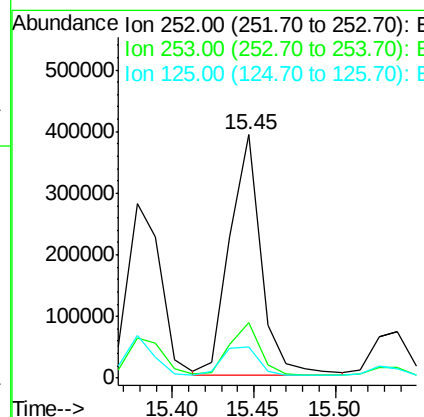
Manual Integrations
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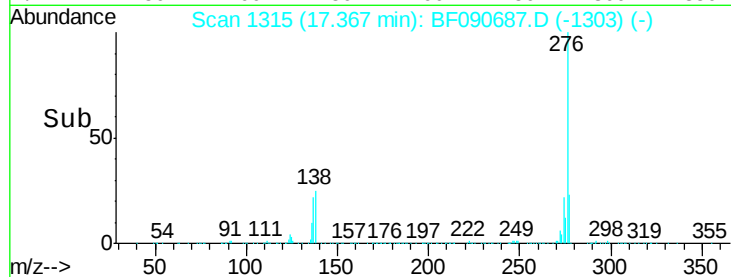
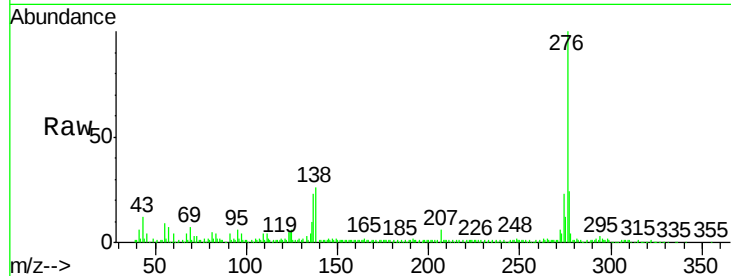
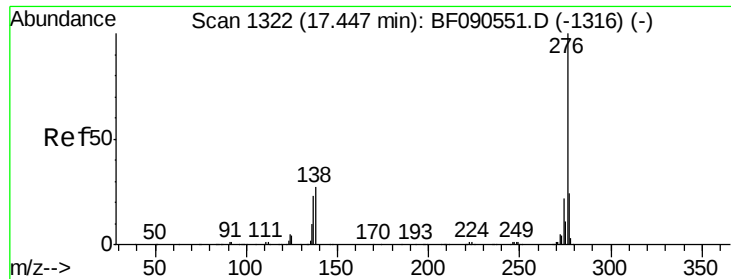
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#89
Benzo(a)pyrene
Concen: 28.84 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.6	12.3	18.5





#91

Benzo(a,h,i)perylene

Concen: 18.85 ng

RT: 17.37 min Scan# 1315

Delta R.T. -0.06 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

Tot Ion:	276	Resp:	246513
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.8	28.2
138	26.4	21.8	32.8

Manual Integrations
APPROVED

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10/21/2016 6:58:42 PM

