

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110317\
 Data File : BF100143.D
 Acq On : 3 Nov 2017 19:10
 Operator : SJ/JU
 Sample : I6093-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8-B9-COMP-4-12

Manual Integrations
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Quant Time: Nov 03 23:23:34 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	103146	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	427920	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	195152	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	327625	20.00	ng	0.00
75) Chrysene-d12	13.95	240	180050	20.00	ng	0.00
86) Perylene-d12	15.41	264	168575	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	643760	97.99	ng	0.00
7) Phenol-d6	6.42	99	761414	97.74	ng	0.00
23) Nitrobenzene-d5	7.34	82	436249	65.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	164436	92.46	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	769203	60.81	ng	0.00
78) Terphenyl-d14	12.88	244	590677	71.69	ng	0.00
Target Compounds						
10) Phenol	6.43	94	47231	5.522	ng	93
49) Dimethylphthalate	9.52	163	154314	9.985	ng	100
70) Phenanthrene	11.32	178	121663	6.580	ng	98
74) Fluoranthene	12.52	202	176251	9.173	ng	98
77) Pyrene	12.74	202	136706	9.985	ng	98
80) Benzo(a)anthracene	13.94	228	39167	3.432	ng	96
82) Chrysene	13.98	228	47022	4.382	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	25803	2.619	ng	96
87) Benzo(b)fluoranthene	14.99	252	52005m	4.886	ng	
89) Benzo(a)pyrene	15.36	252	33138	3.466	ng	# 94
91) Benzo(g,h,i)perylene	17.35	276	24566	2.955	ng	# 90

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

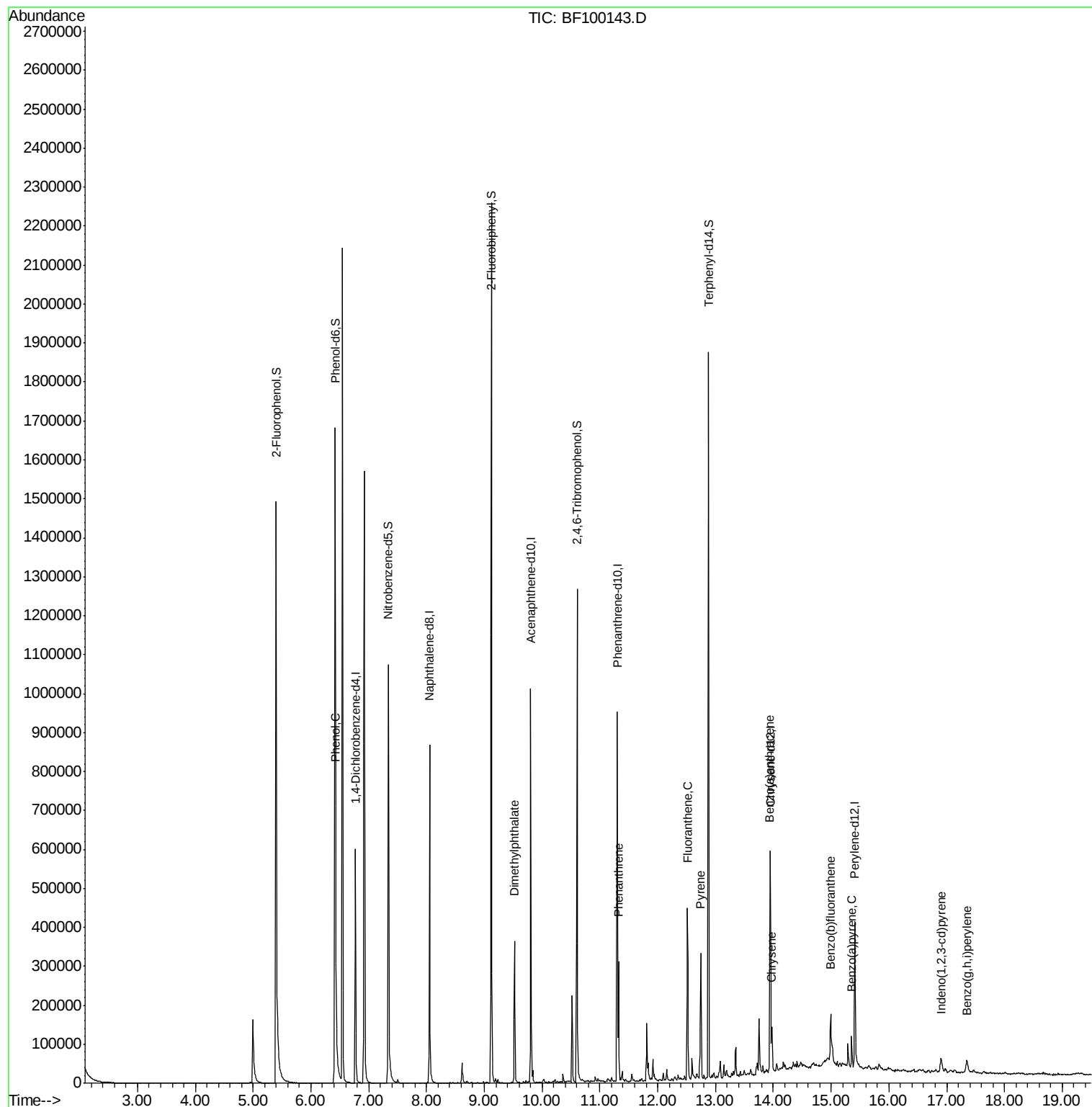
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110317\
Data File : BF100143.D
Acq On : 3 Nov 2017 19:10
Operator : SJ/JU
Sample : I6093-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

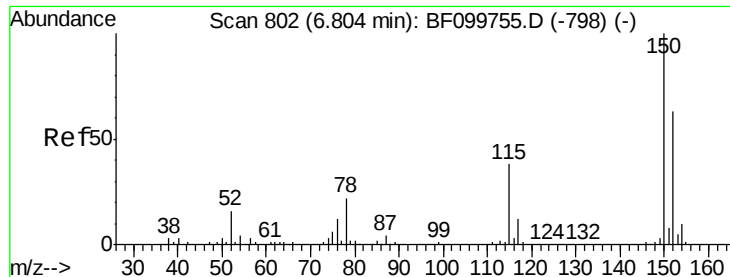
Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

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#1

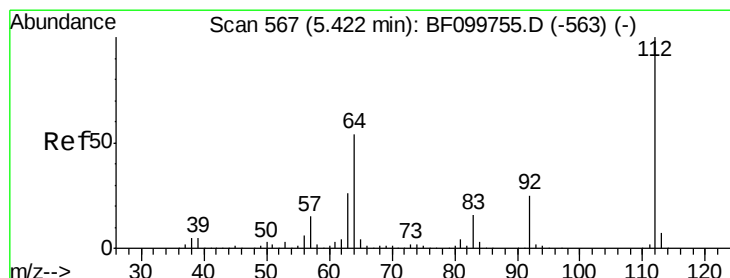
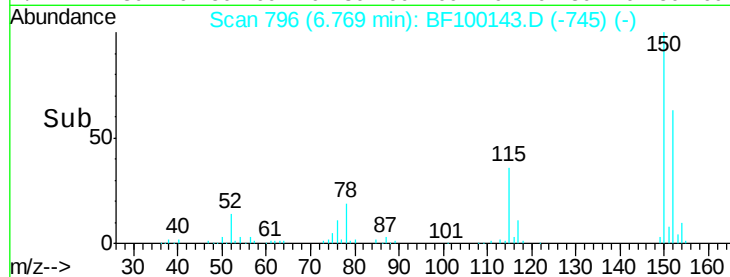
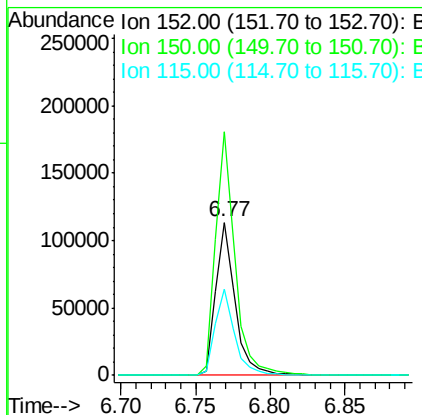
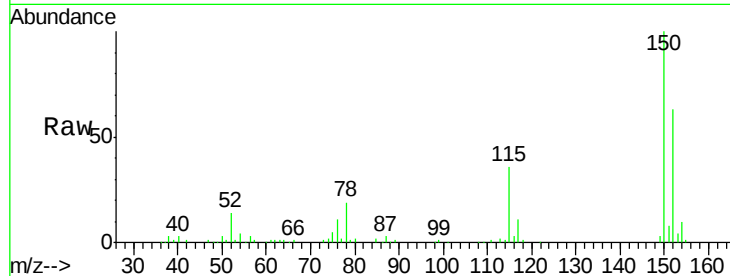
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	56.6	50.1	75.1

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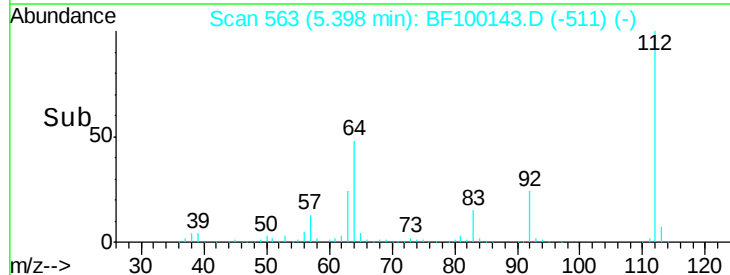
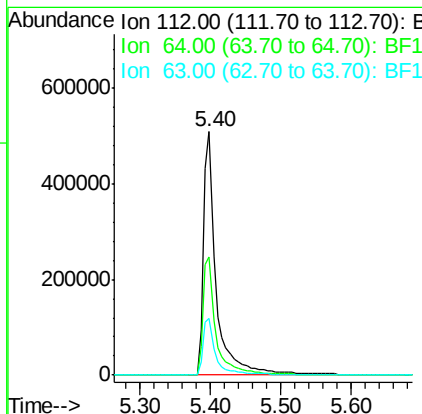
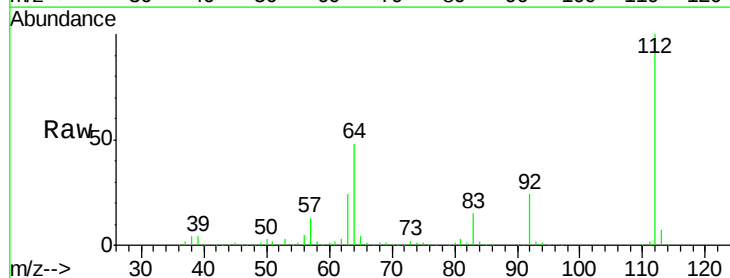
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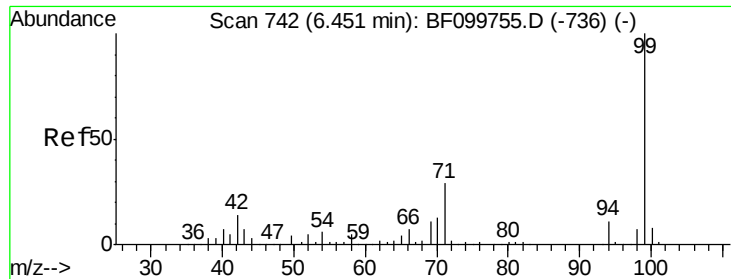


#5

2-Fluorophenol
Concen: 97.986 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.4	47.9	71.9
63	23.5	23.7	35.5





#7

Phenol-d6

Concen: 97.741 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

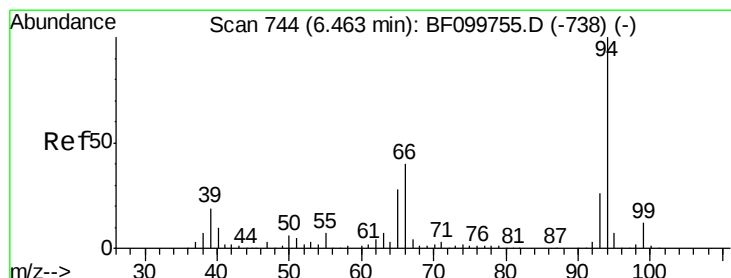
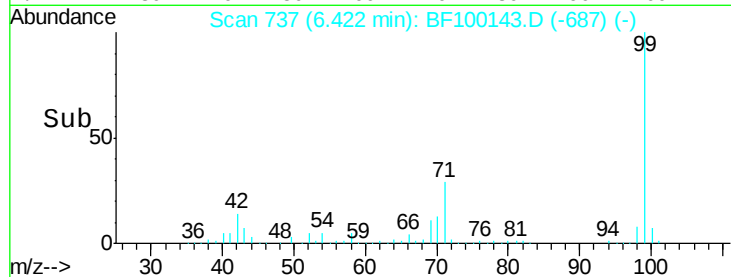
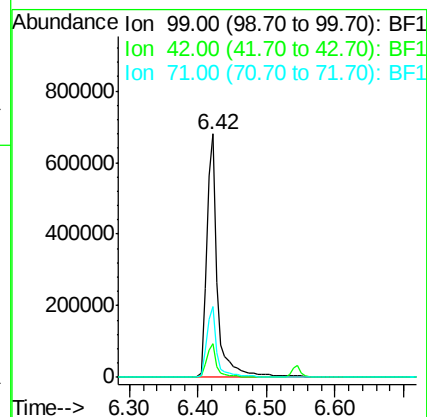
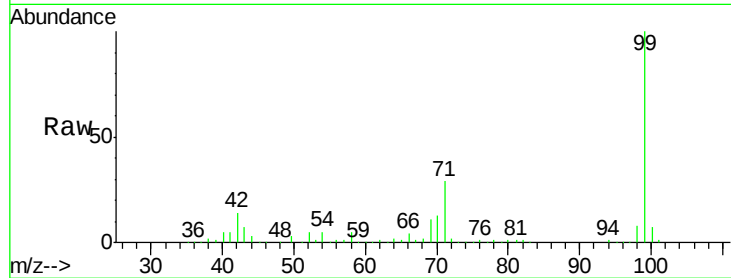
ClientSampleId :

TEC-B8-B9-COMP-4-12

Tgt Ion	Ion	Ratio	Lower	Upper
99	100			
42	13.8	14.5	21.7#	
71	29.0	25.4	38.0	

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#10

Phenol

Concen: 5.522 ng

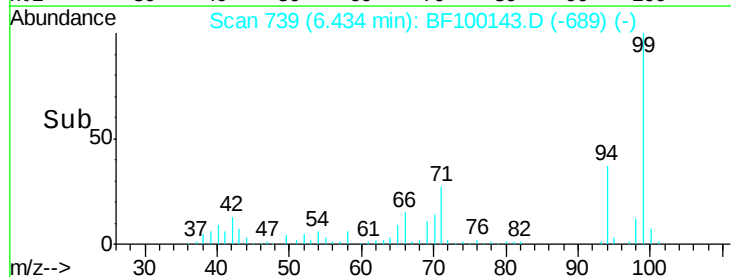
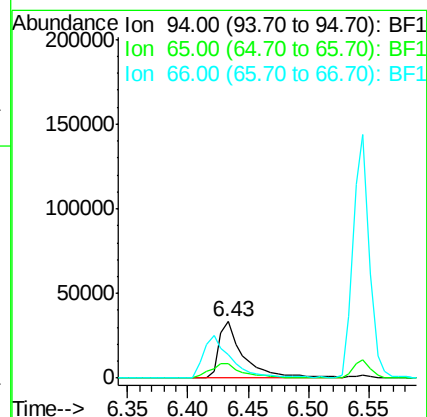
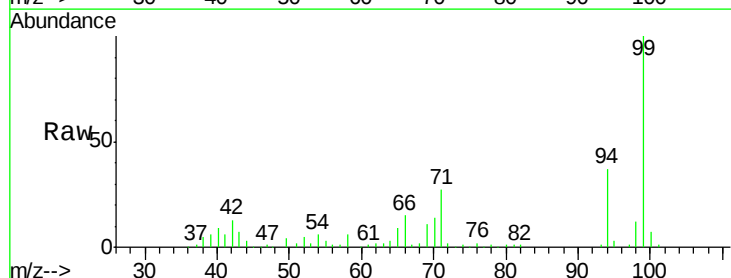
RT: 6.43 min Scan# 739

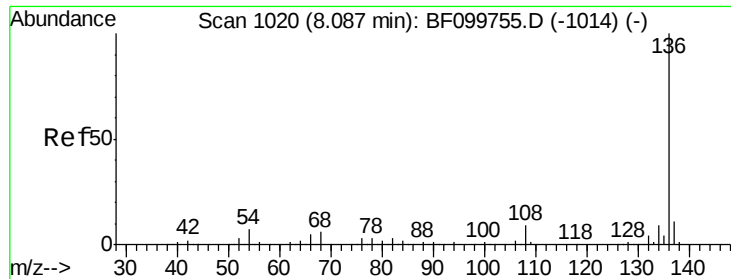
Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	24.8	7.9	47.9	
66	41.2	16.2	56.2	





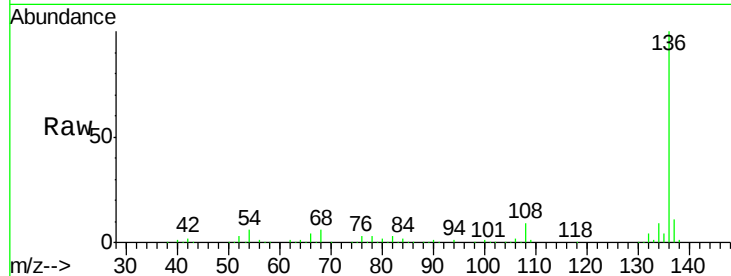
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

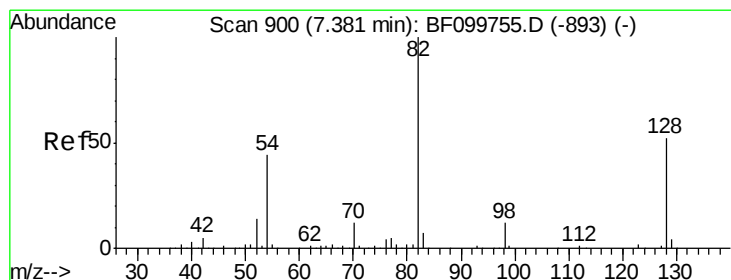
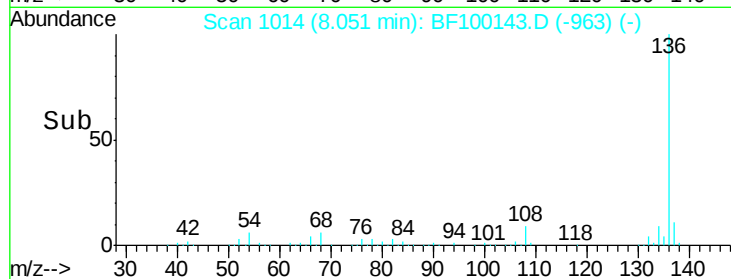
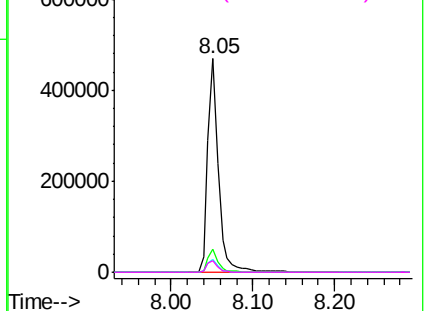
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	427920		
137	10.7	8.9	13.3	
54	6.3	6.6	9.8#	
68	5.5	5.0	7.4	

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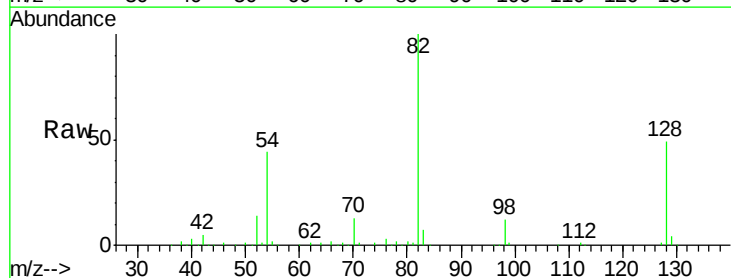


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

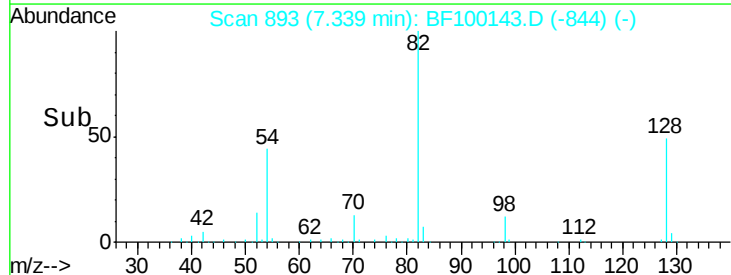
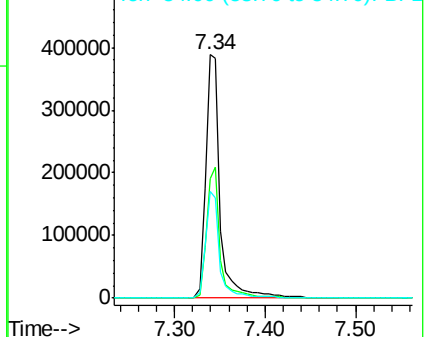


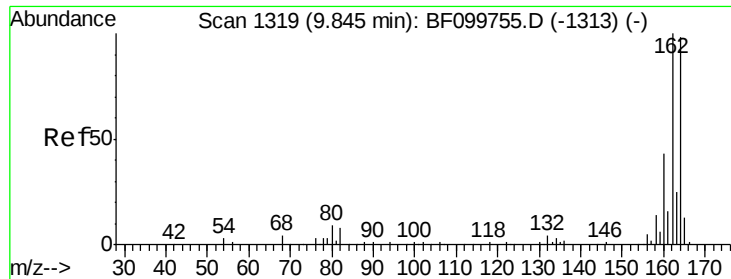
#23
Nitrobenzene-d5
Concen: 65.634 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	436249		
128	49.2	36.1	54.1	
54	44.0	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





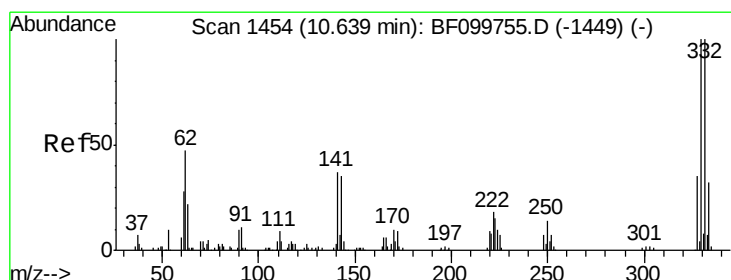
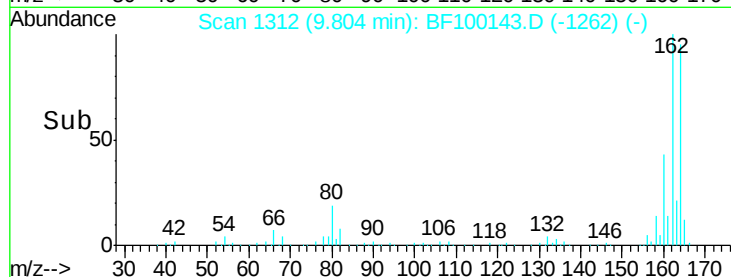
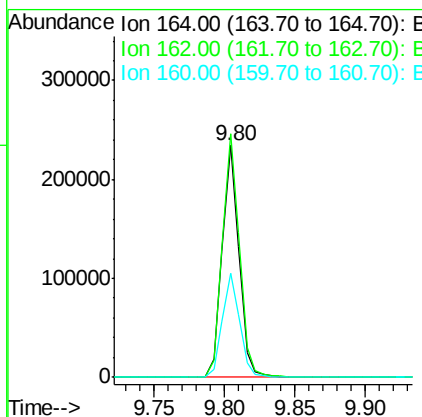
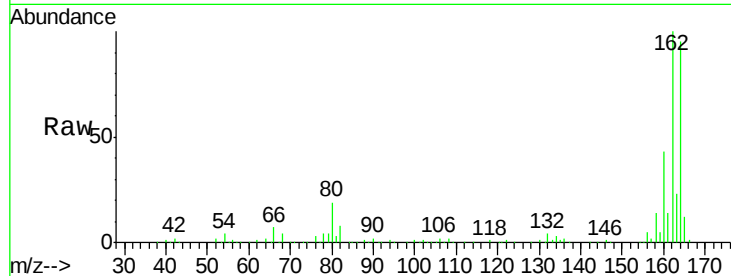
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195152		
162	105.0	86.1	129.1	
160	45.0	38.3	57.5	

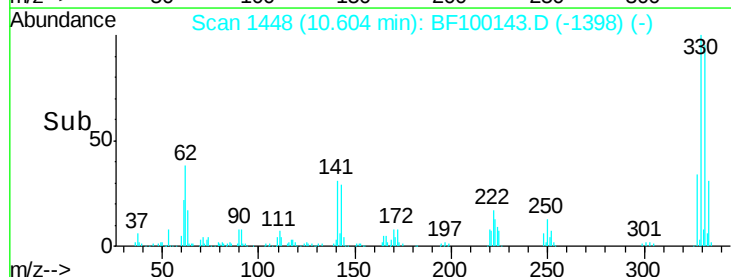
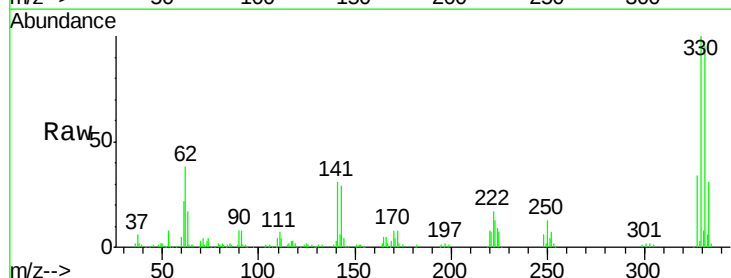
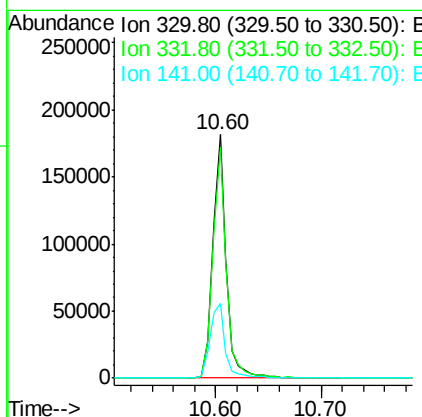
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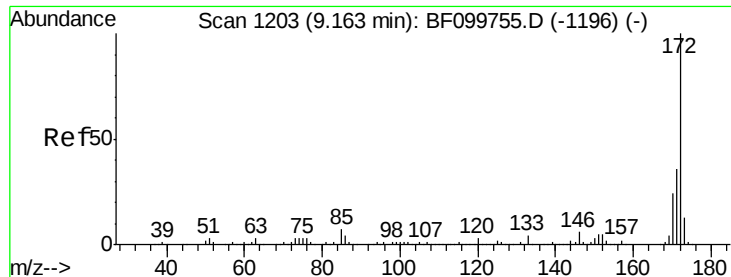
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#41
2,4,6-Tribromophenol
Concen: 92.460 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	164436		
332	96.6	77.0	115.6	
141	34.1	29.9	44.9	





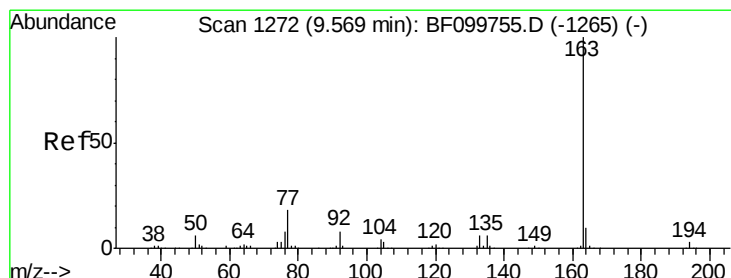
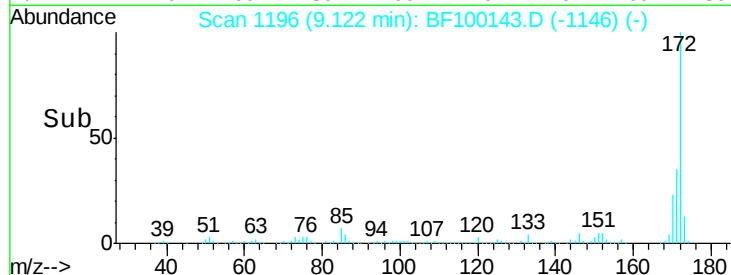
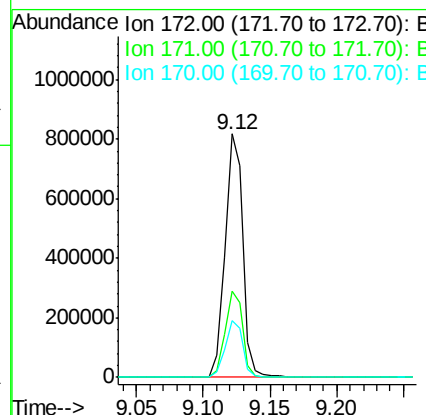
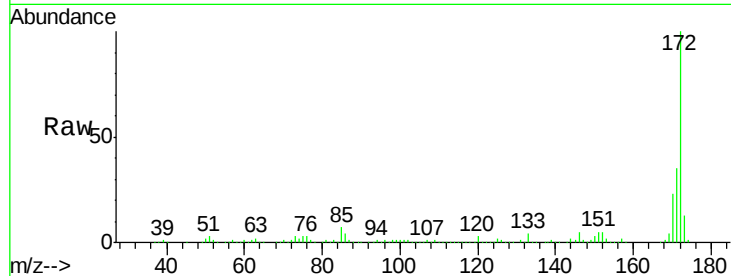
#44
2-Fluorobiphenyl
Concen: 60.812 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.4	19.6	29.4

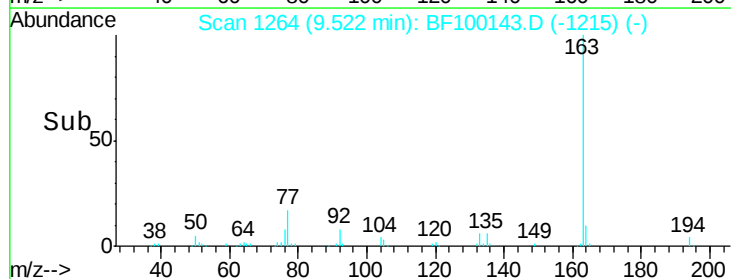
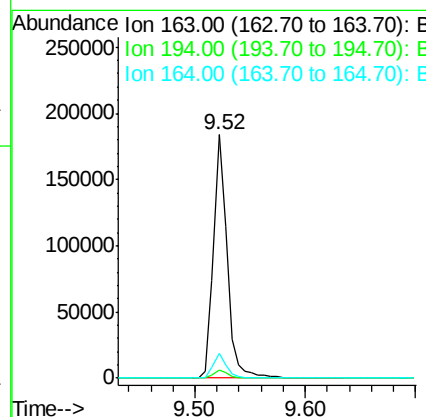
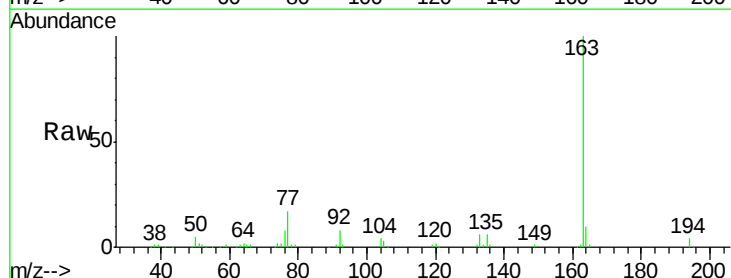
Manual Integrations
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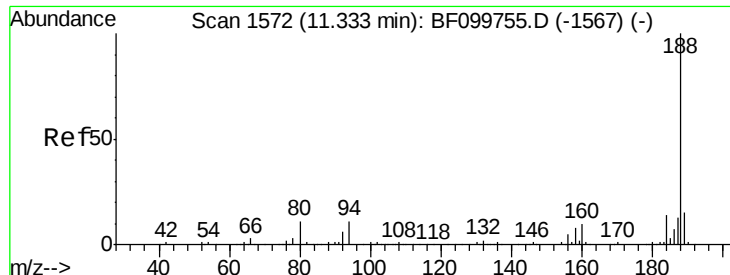
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#49
Dimethylphthalate
Concen: 9.985 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.2	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

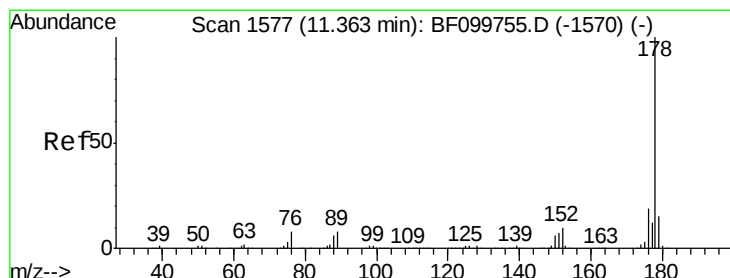
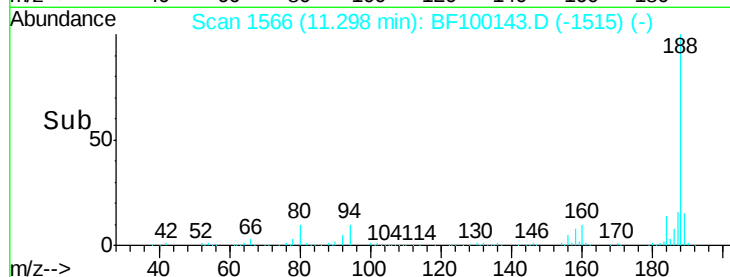
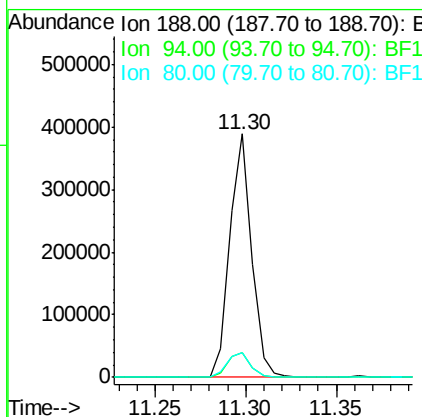
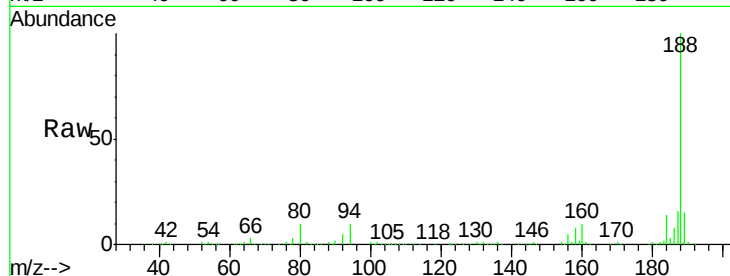
ClientSampleId :

TEC-B8-B9-COMP-4-12

Tgt	Ion:188	Resp:	327625
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.3	9.2	13.8

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#70

Phenanthrene

Concen: 6.580 ng

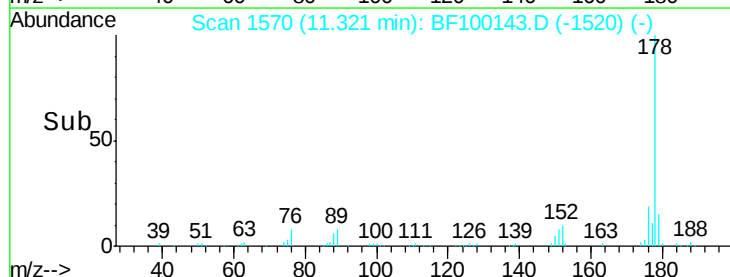
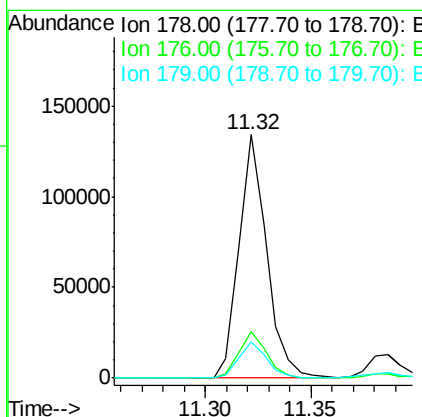
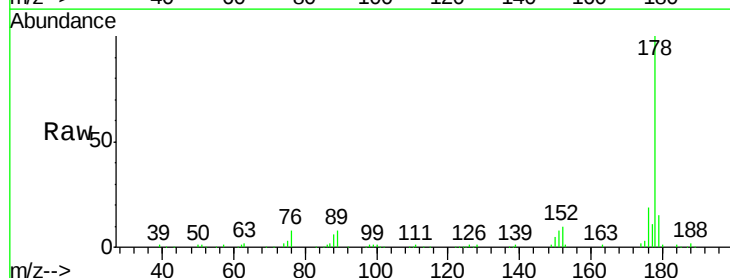
RT: 11.32 min Scan# 1570

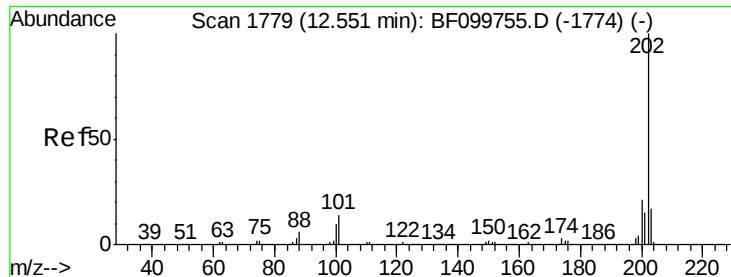
Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Tgt	Ion:178	Resp:	121663
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.0	13.0	19.6





#74

Fluoranthene

Concen: 9.173 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

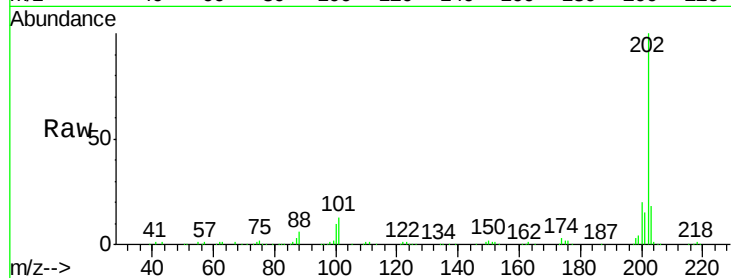
ClientSampleId :

TEC-B8-B9-COMP-4-12

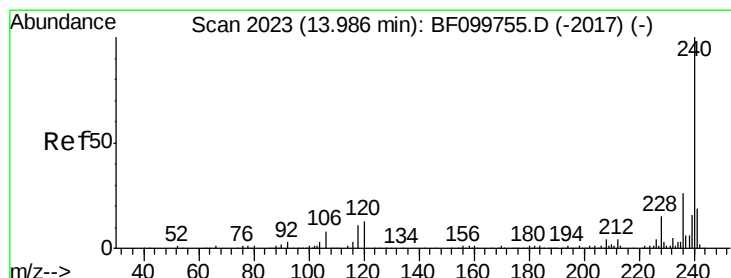
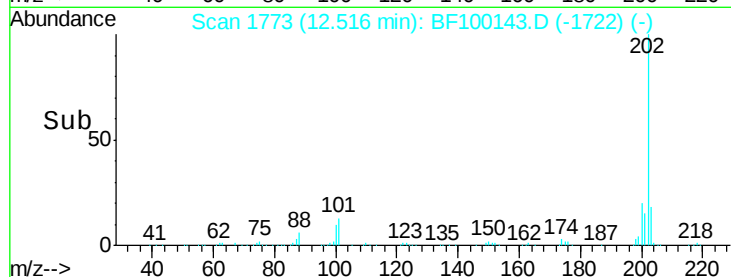
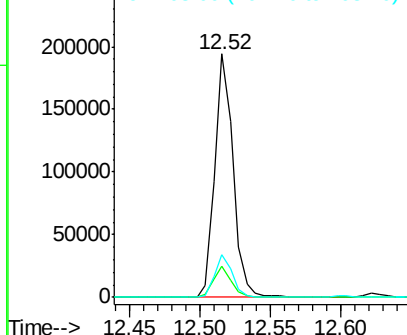
Tgt Ion:	202	Resp:	176251
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	17.6	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

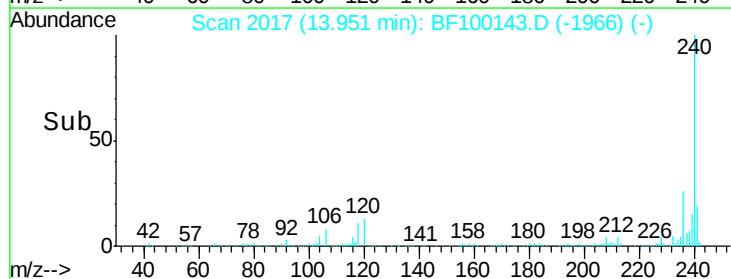
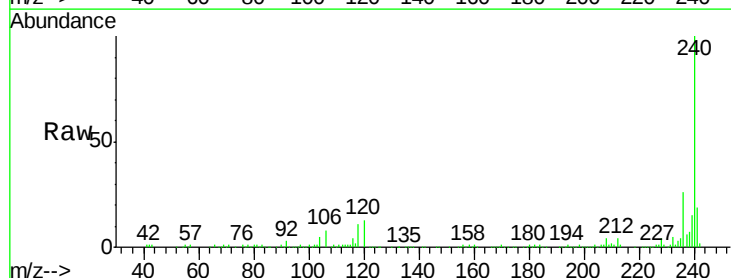
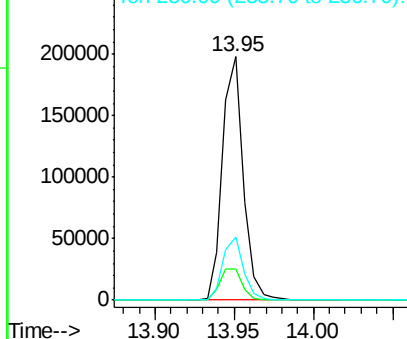
Delta R.T. 0.00 min

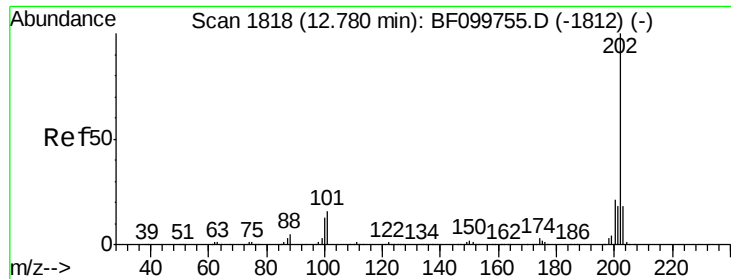
Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Tgt Ion:	240	Resp:	180050
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.8	20.7	31.1

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





#77

Pyrene

Concen: 9.985 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

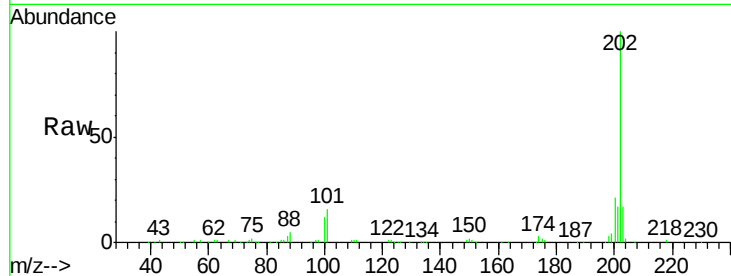
ClientSampleId :

TEC-B8-B9-COMP-4-12

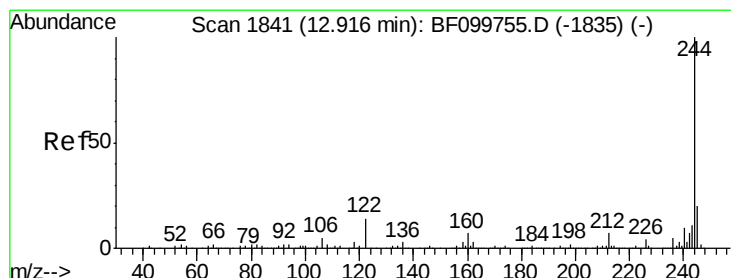
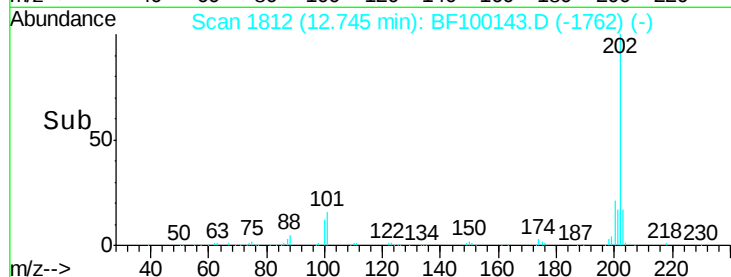
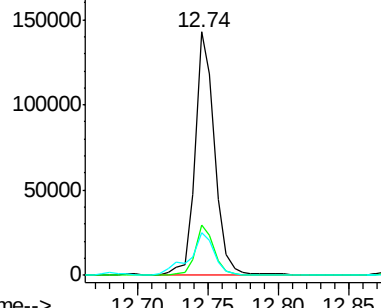
Tgt Ion:	202	Resp:	136706
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.4	14.3	21.5

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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: 71.694 ng

RT: 12.88 min Scan# 1835

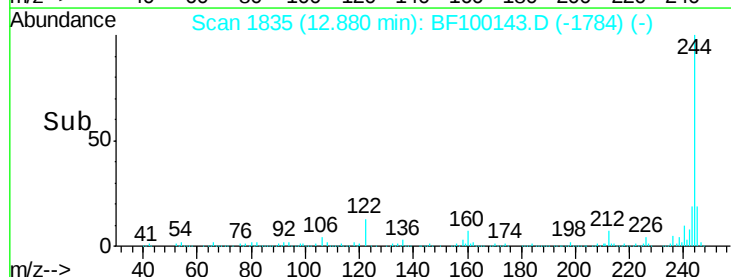
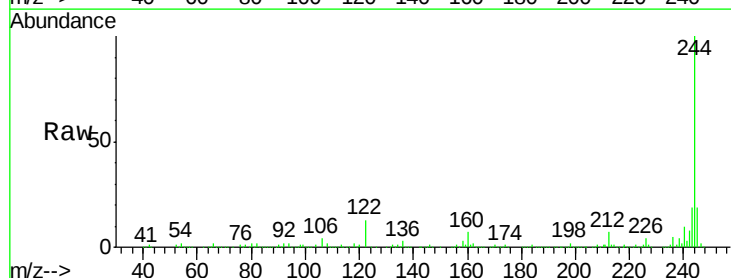
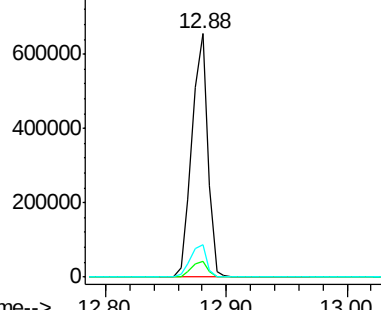
Delta R.T. 0.00 min

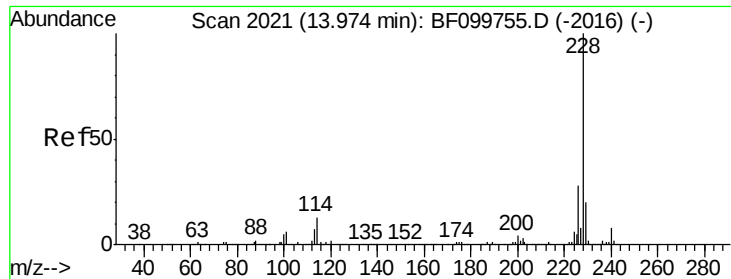
Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Tgt Ion:	244	Resp:	590677
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	13.2	11.0	16.4

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





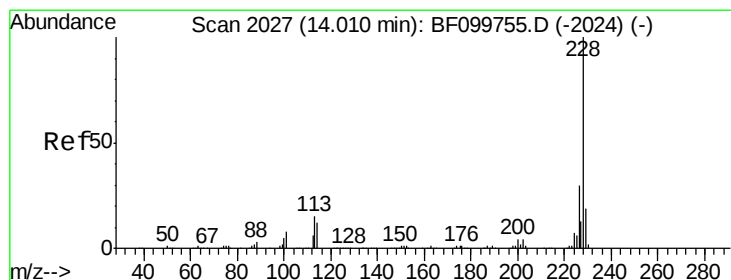
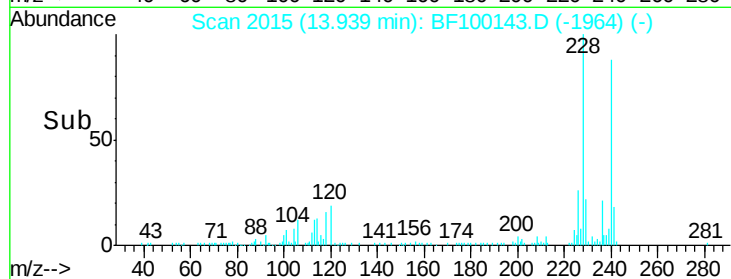
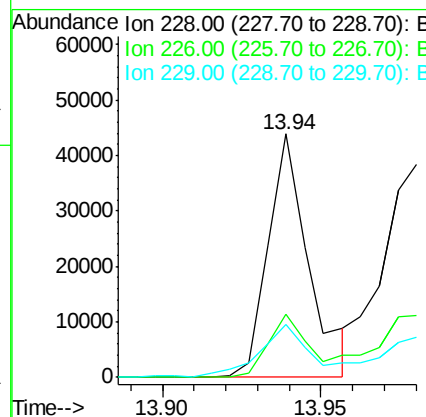
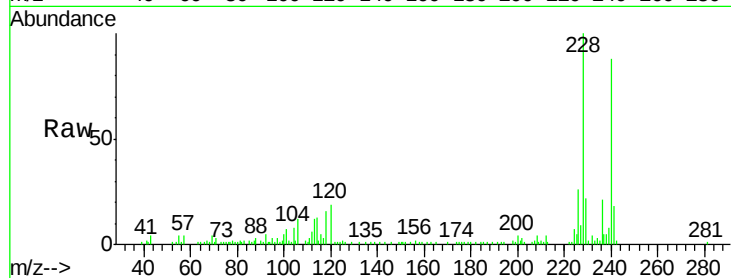
#80
Benzo(a)anthracene
Concen: 3.432 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	21.8	15.8	23.6

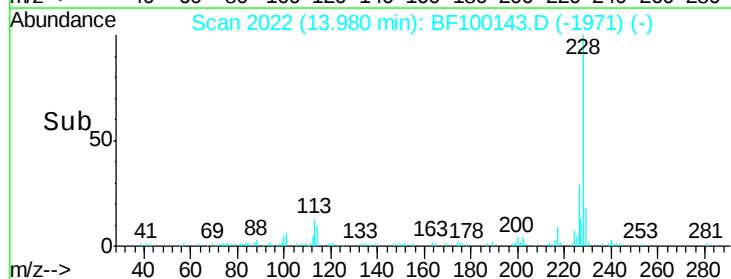
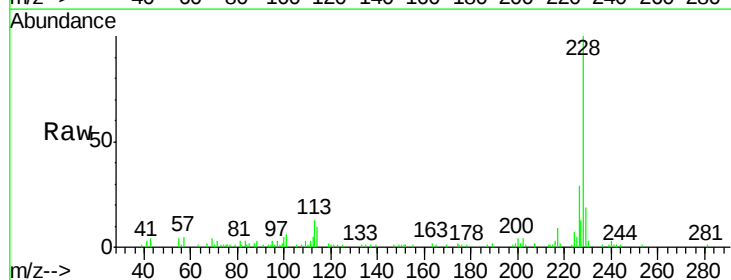
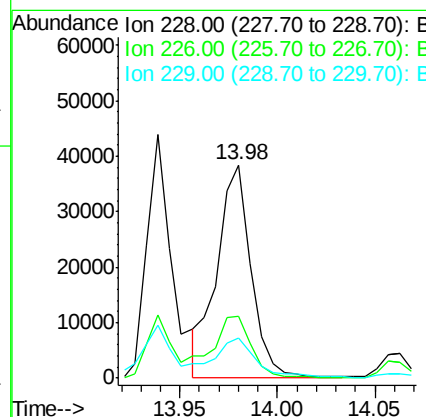
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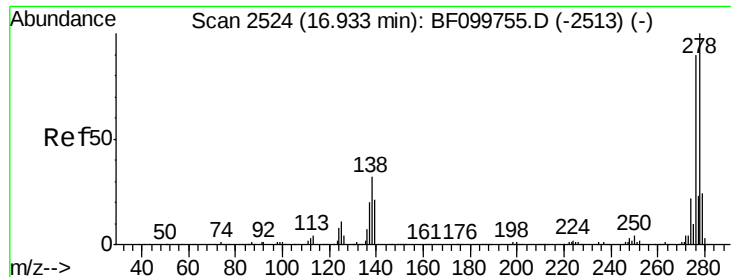
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#82
Chrysene
Concen: 4.382 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	18.8	16.2	24.4





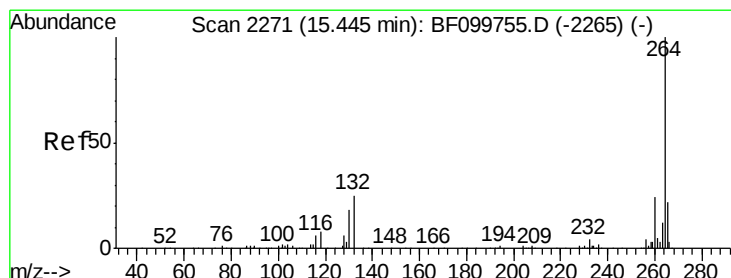
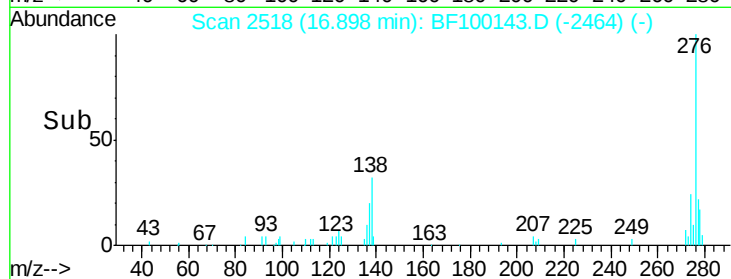
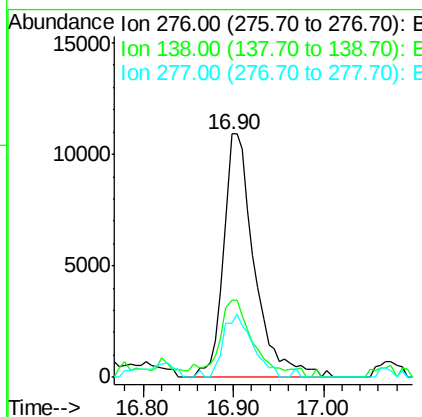
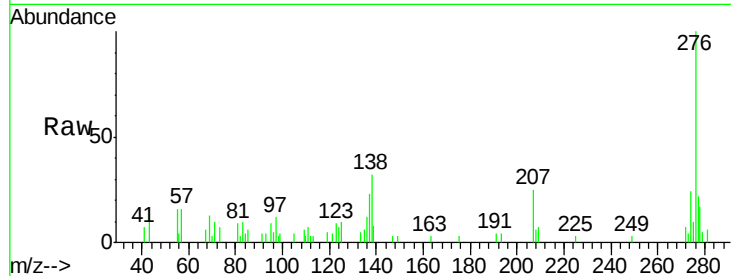
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.619 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.02 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.0	37.6
277	24.1	20.1	30.1

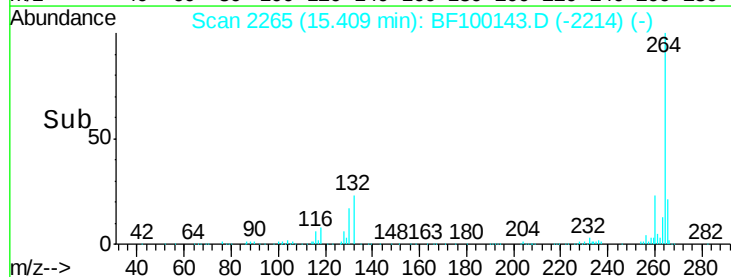
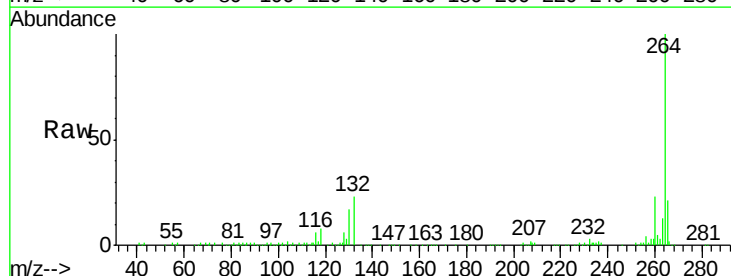
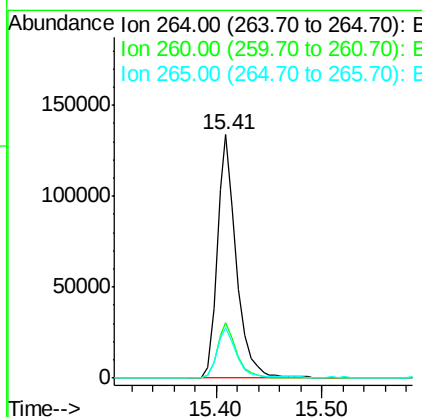
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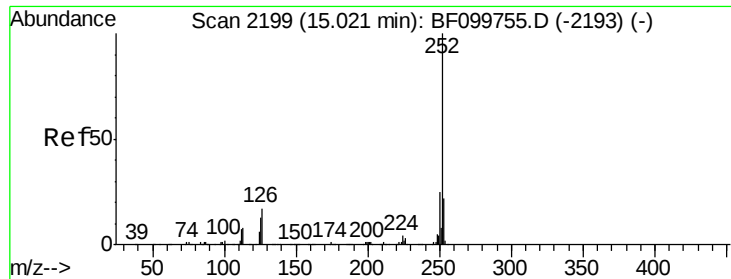
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.8	17.5	26.3





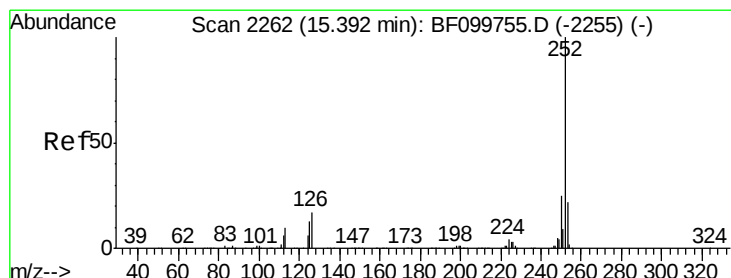
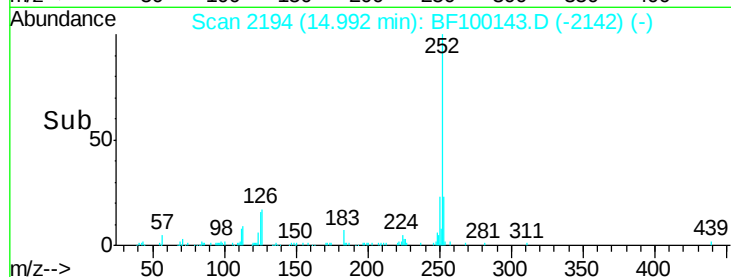
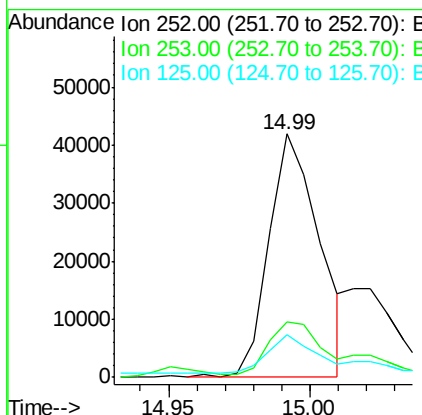
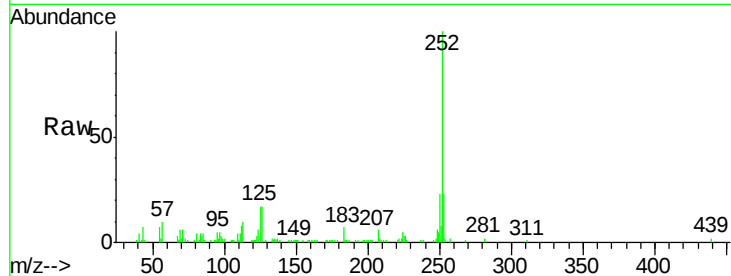
#87
Benzo(b)fluoranthene
Concen: 4.886 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	17.5	9.0	13.6#

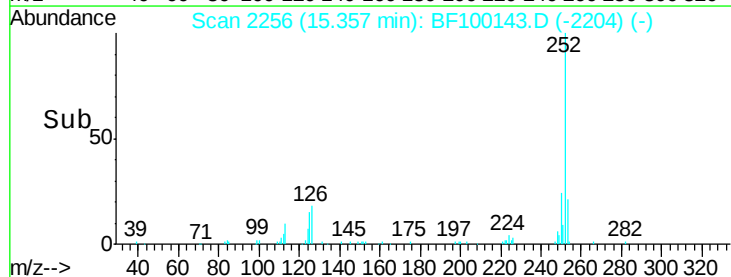
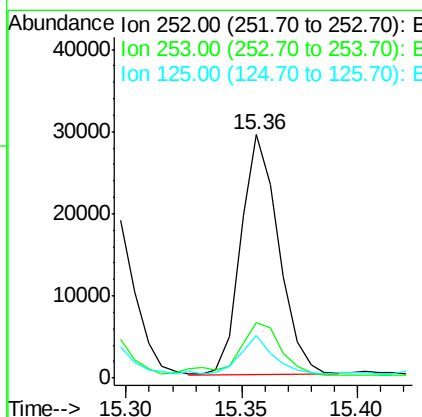
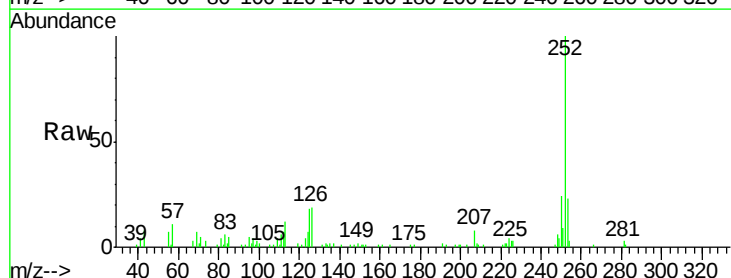
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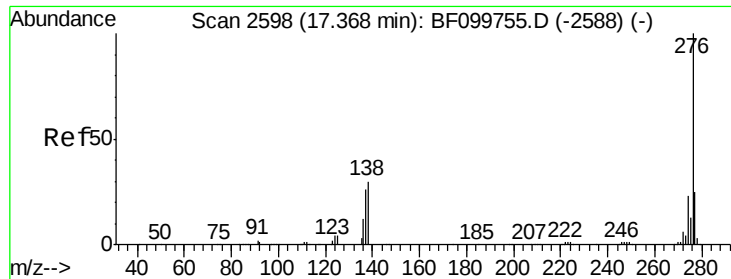
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#89
Benzo(a)pyrene
Concen: 3.466 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	17.5	9.8	14.6#





#91
 Benzo(g,h,i)perylene
 Concen: 2.955 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. 0.03 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8-B9-COMP-4-12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	32.5	21.8	32.8

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