

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109099.D
 Acq On : 18 Sep 2018 16:53
 Operator : JU/SJ
 Sample : J4936-31 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3

Manual Integrations
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Quant Time: Sep 19 08:59:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	129035	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	484390	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	212348	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	339557	20.00	ng	0.00
75) Chrysene-d12	13.87	240	287665	20.00	ng	0.00
86) Perylene-d12	15.28	264	309185	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	110750	14.26	ng	0.00
7) Phenol-d6	6.35	99	153737	15.35	ng	-0.01
23) Nitrobenzene-d5	7.28	82	108560	12.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	25841	11.21	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	161216	11.89	ng	0.00
78) Terphenyl-d14	12.82	244	103084	8.49	ng	0.00
Target Compounds						
56) 2,4-Dinitrotoluene	9.76	165	28354	6.441	ng	Qvalue # 24
70) Phenanthrene	11.26	178	35411	2.127	ng	98
74) Fluoranthene	12.44	202	67886	3.863	ng	96
77) Pyrene	12.67	202	65500	3.065	ng	97
80) Benzo(a)anthracene	13.85	228	51086	2.933	ng	99
82) Chrysene	13.89	228	48859m	2.804	ng	
85) Indeno(1,2,3-cd)pyrene	16.62	276	39887	2.863	ng	95
87) Benzo(b)fluoranthene	14.87	252	85404m	4.993	ng	
89) Benzo(a)pyrene	15.21	252	61439	4.045	ng	# 16
91) Benzo(g,h,i)perylene	17.03	276	39440	3.091	ng	# 63

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

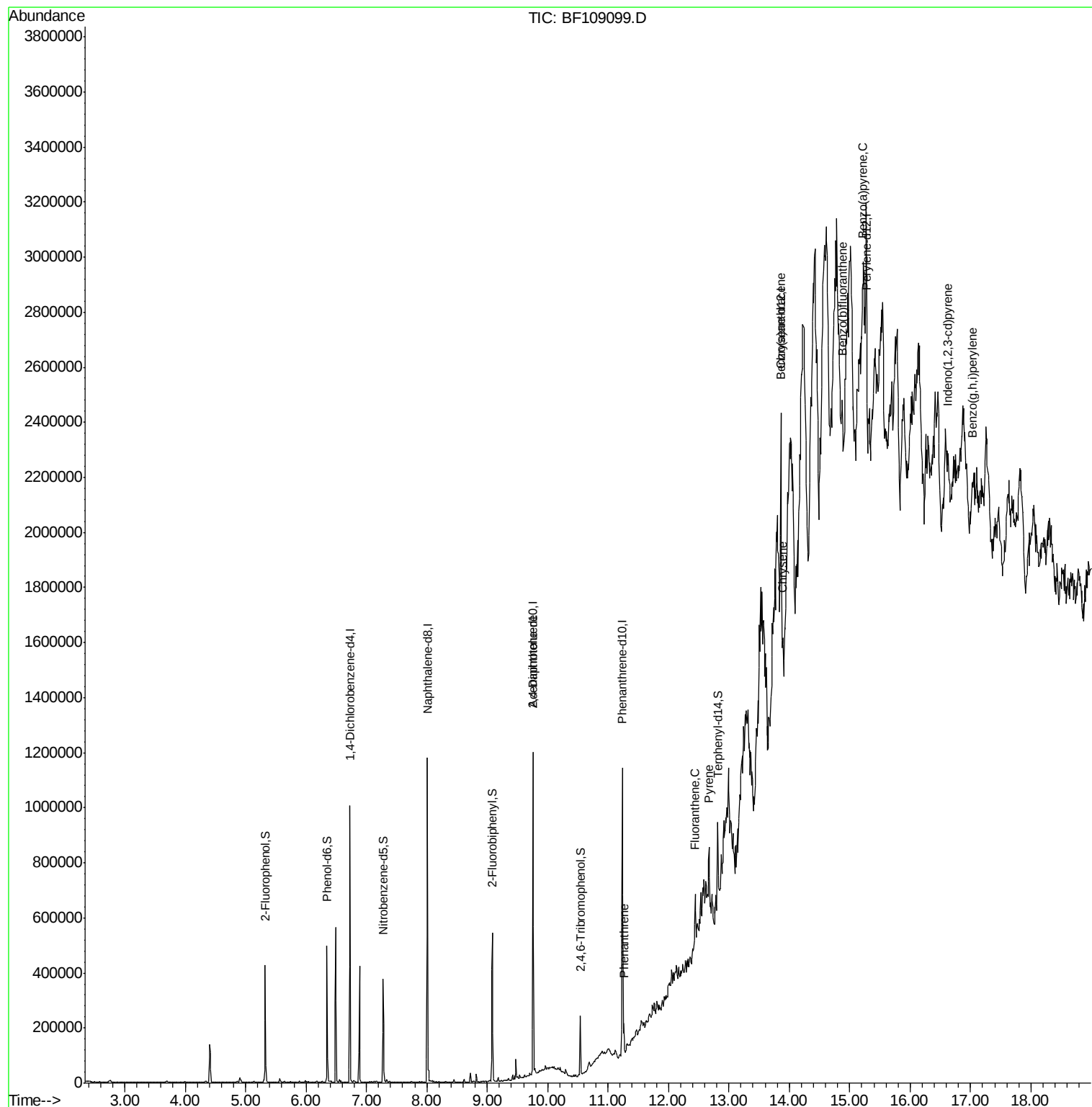
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109099.D
Acq On : 18 Sep 2018 16:53
Operator : JU/SJ
Sample : J4936-31 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PHASE-3

Quant Time: Sep 19 08:59:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

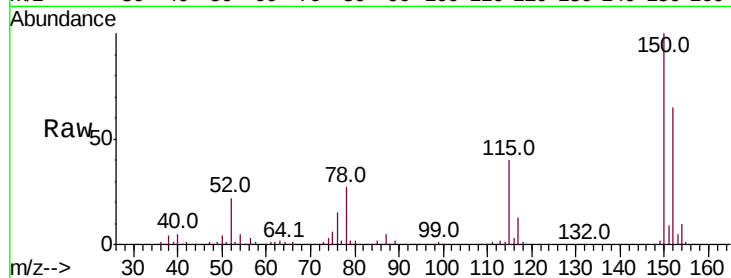
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109099.D
Acq: 18 Sep 2018 16:53

Instrument :
BNA_F
ClientSampleId :
PHASE-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	61.8	50.1	75.1

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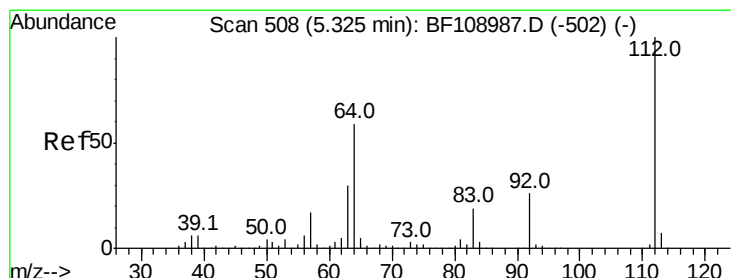
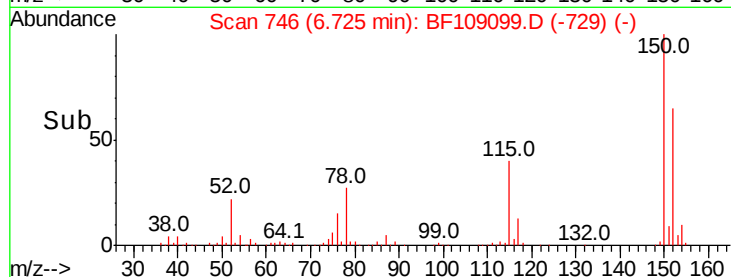
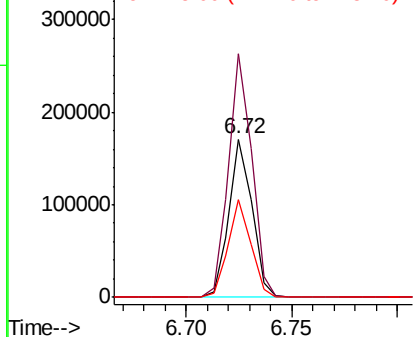


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

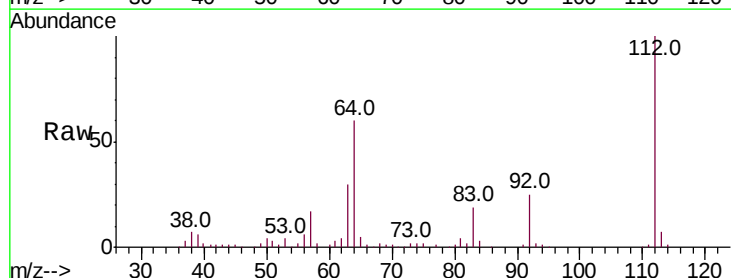
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.255 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109099.D
Acq: 18 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	29.9	23.7	35.5

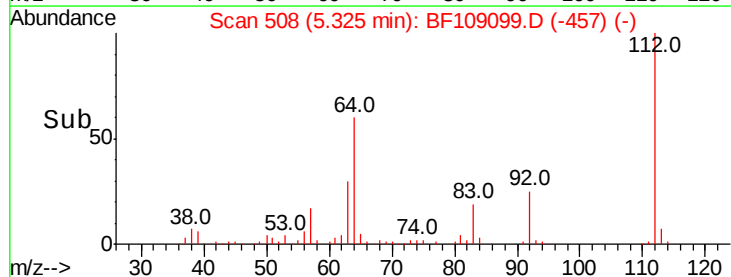
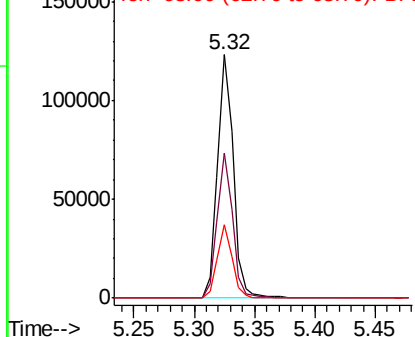


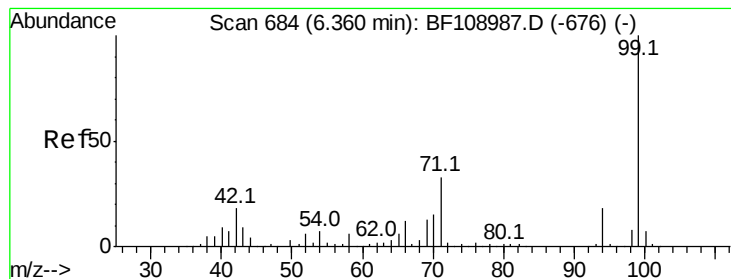
Abundance

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: 15.346 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Instrument :

BNA_F

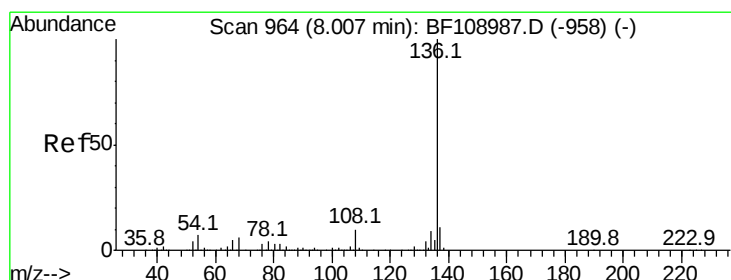
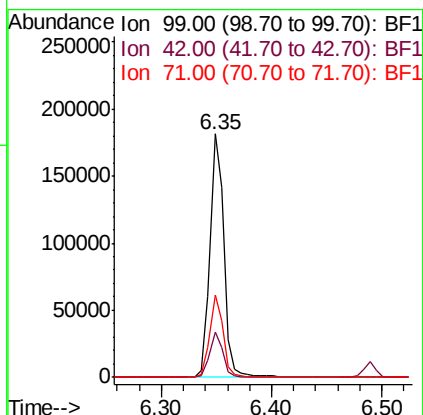
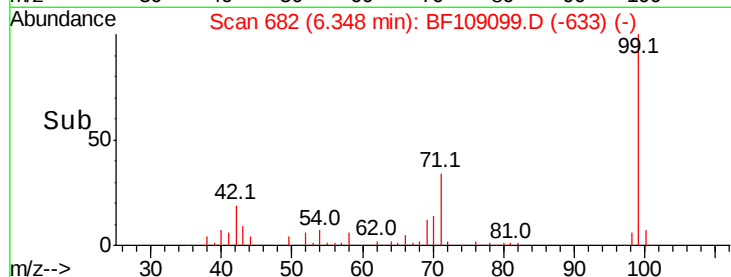
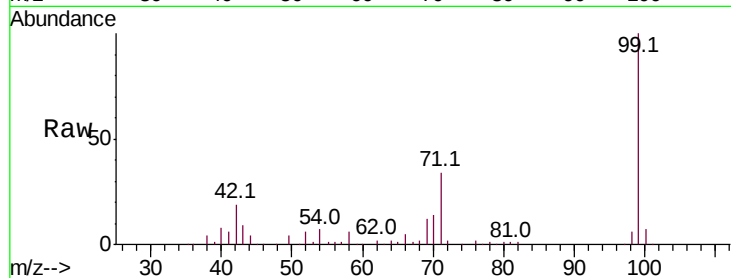
ClientSampled :

PHASE-3

Tot Ion:	99	Resp:	153737
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	33.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

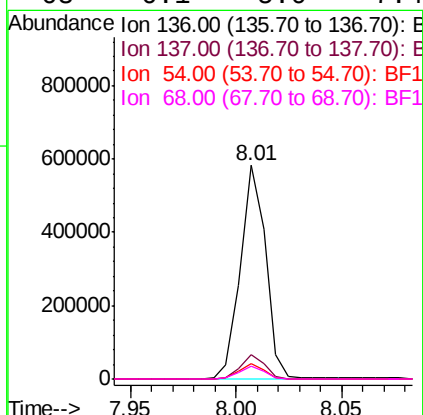
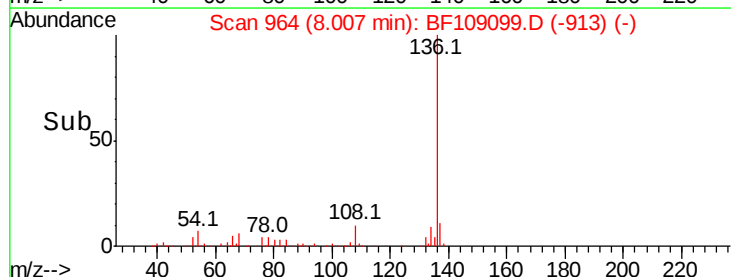
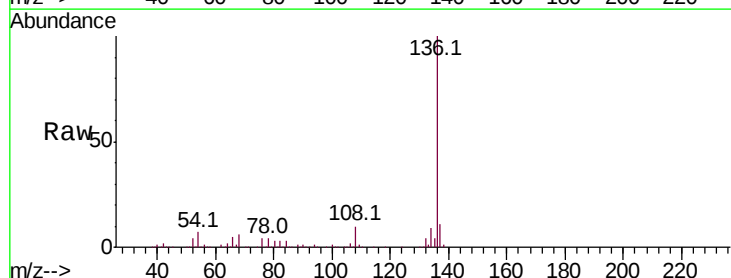
RT: 8.01 min Scan# 964

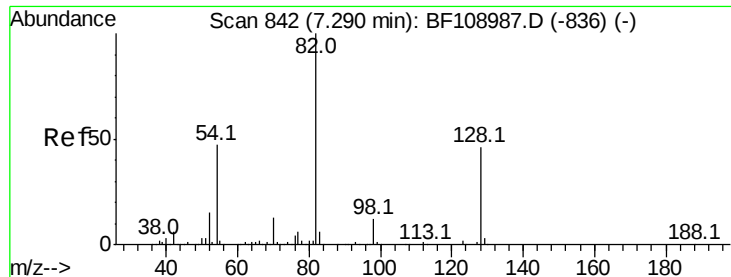
Delta R.T. -0.00 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Tgt Ion:	136	Resp:	484390
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4





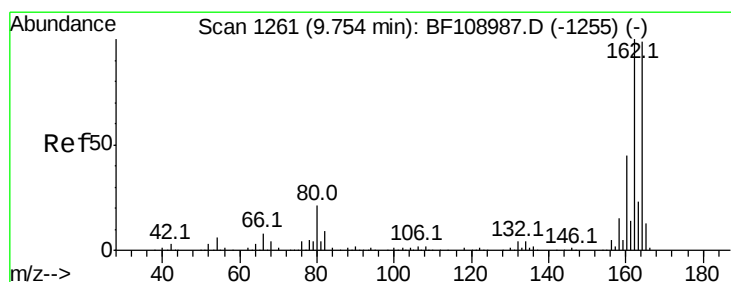
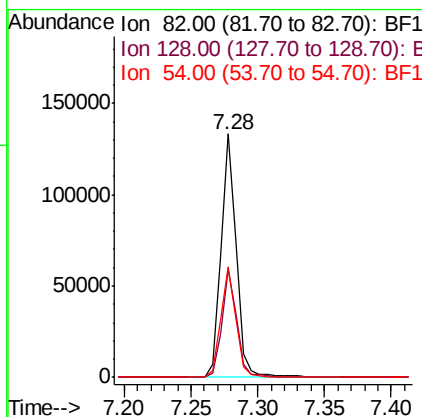
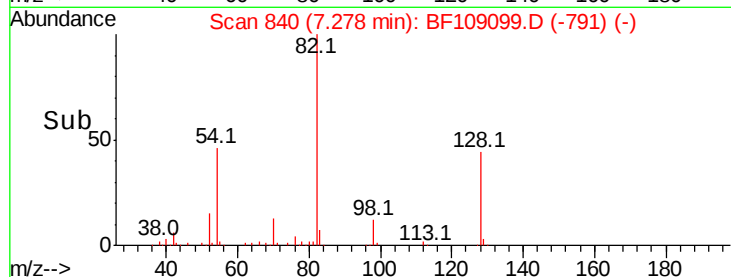
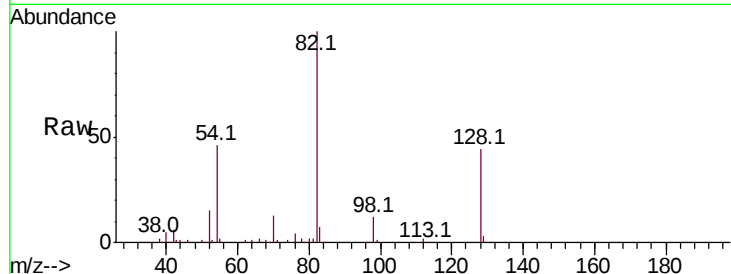
#23
 Nitrobenzene-d5
 Concen: 12.570 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109099.D
 Acq: 18 Sep 2018 16:53

Instrument :
 BNA_F
 ClientSampled :
 PHASE-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.5	36.1	54.1	
54	45.6	41.4	62.2	

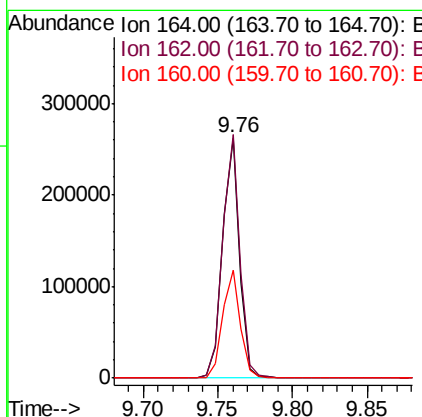
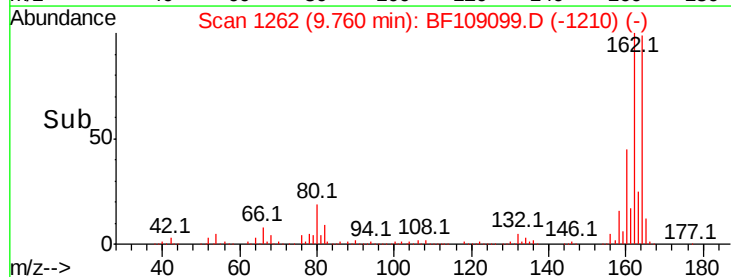
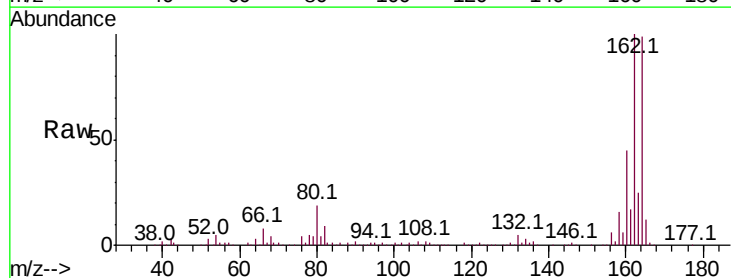
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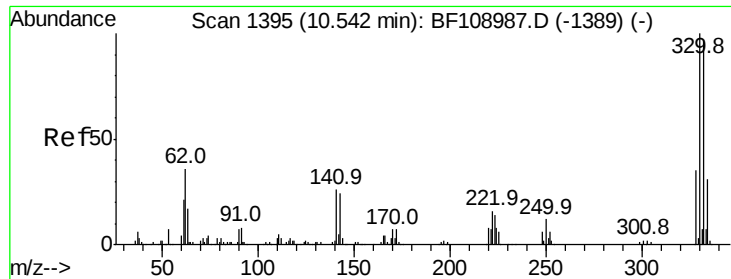
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: BF109099.D
 Acq: 18 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	86.1	129.1	
160	45.2	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 11.213 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Instrument :

BNA_F

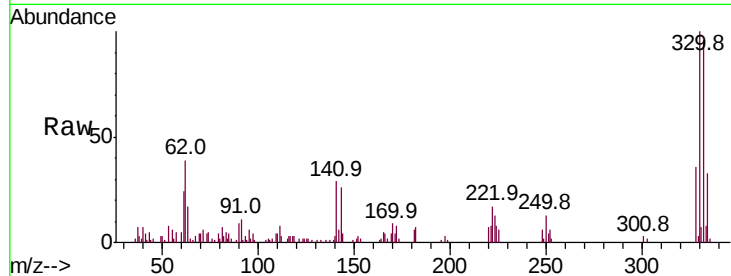
ClientSampled :

PHASE-3

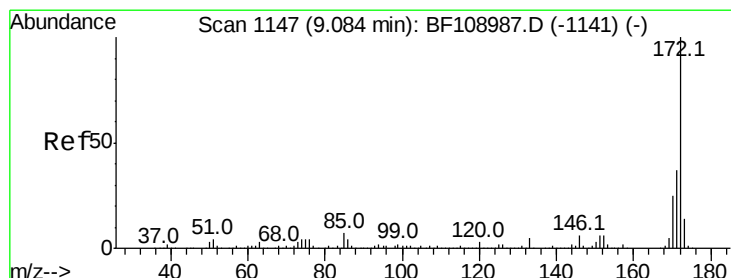
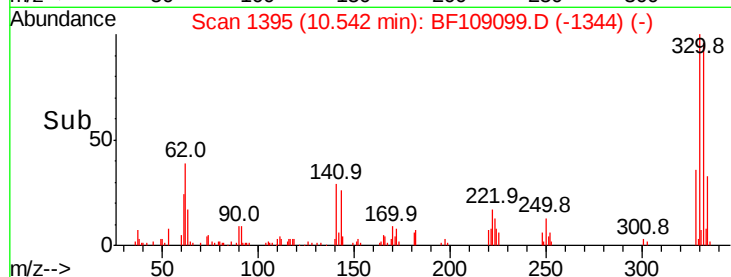
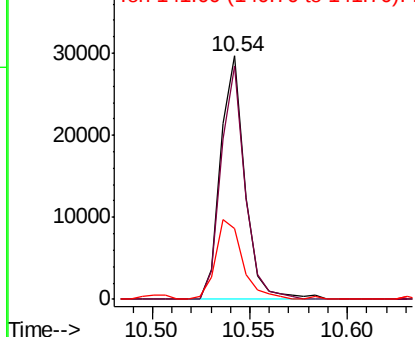
Tot Ion:	330	Resp:	25841
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.0	115.6
141	36.3	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 11.895 ng

RT: 9.08 min Scan# 1147

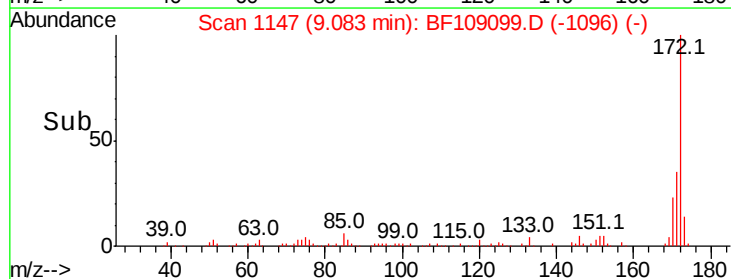
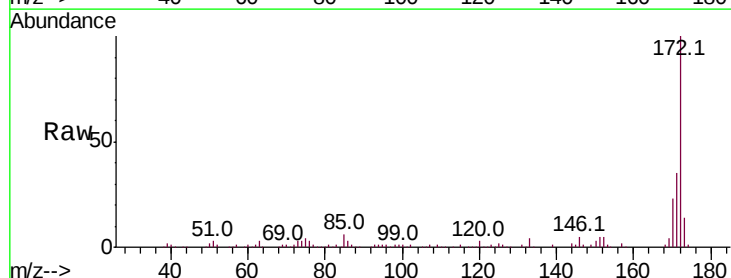
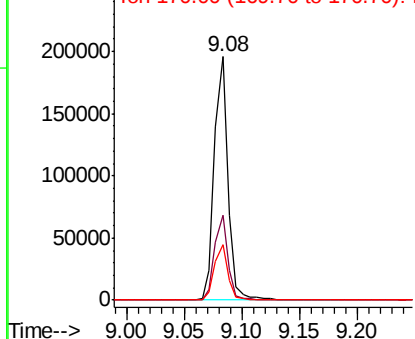
Delta R.T. 0.00 min

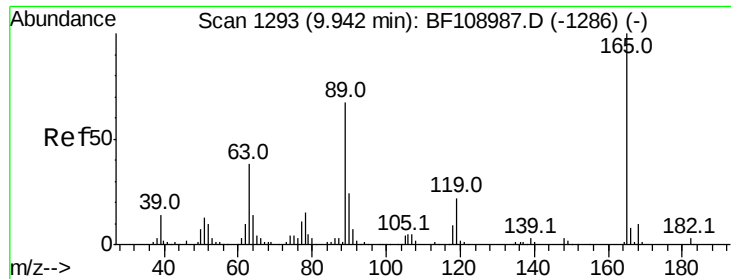
Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Tgt Ion:	172	Resp:	161216
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	23.0	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





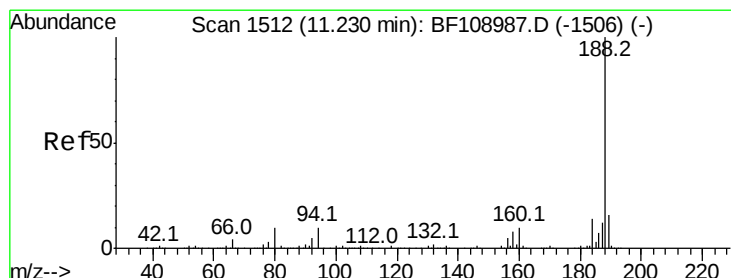
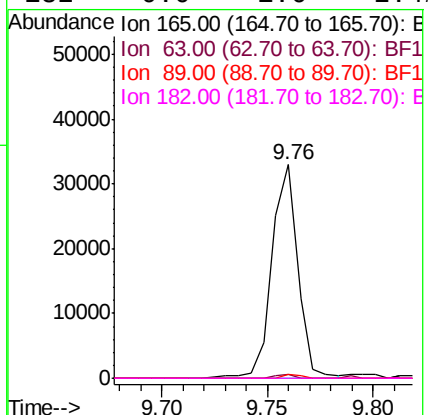
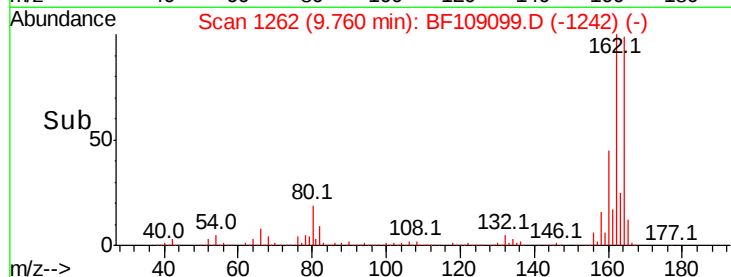
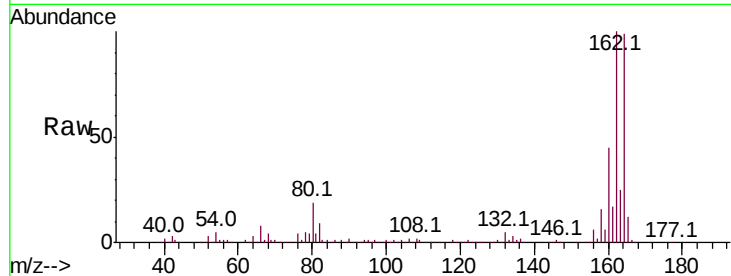
#56
 2,4-Dinitrotoluene
 Concen: 6.441 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.18 min
 Lab File: BF109099.D
 Acq: 18 Sep 2018 16:53

Instrument :
 BNA_F
 ClientSampled :
 PHASE-3

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

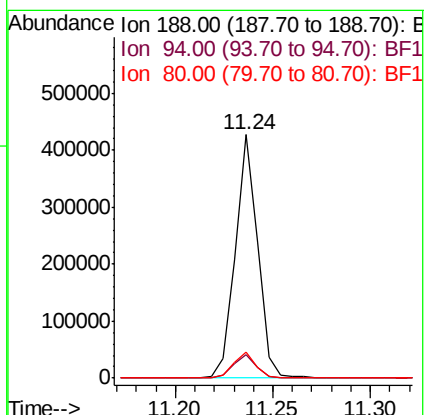
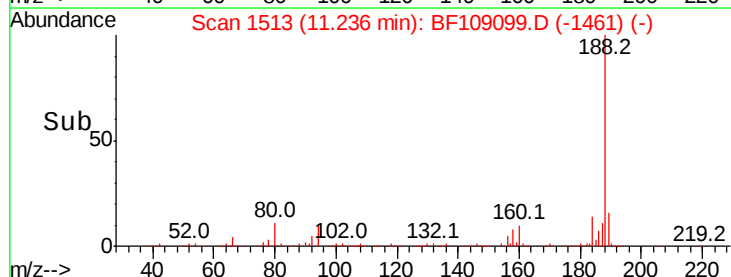
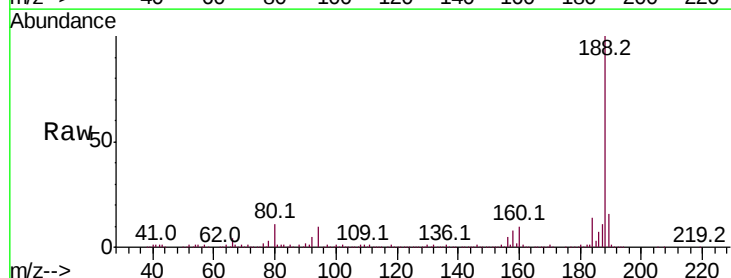
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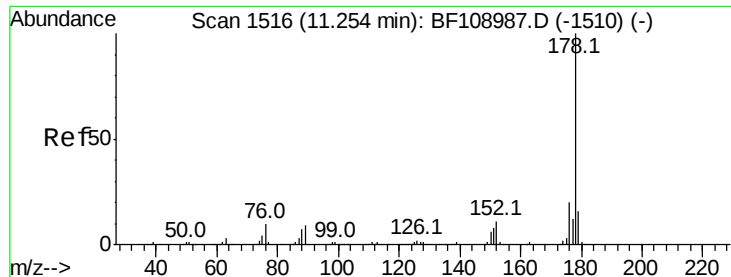
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: BF109099.D
 Acq: 18 Sep 2018 16:53

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.7	9.2	13.8





#70

Phenanthrene

Concen: 2.127 ng

RT: 11.26 min Scan# 1517

Delta R.T. 0.01 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Instrument :

BNA_F

ClientSampleId :

PHASE-3

Tot Ion:178 Resp: 35411

Ion Ratio Lower Upper

178 100

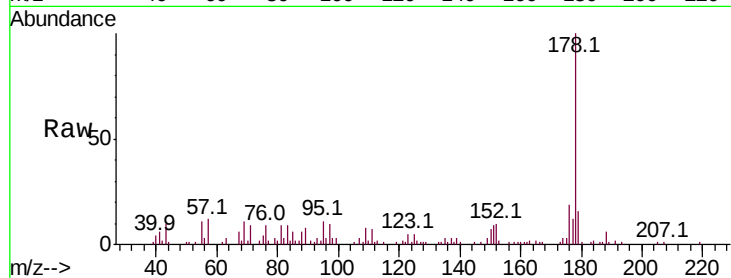
176 18.7 15.8 23.8

179 16.5 13.0 19.6

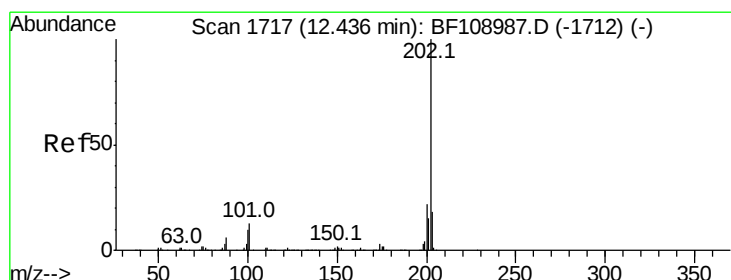
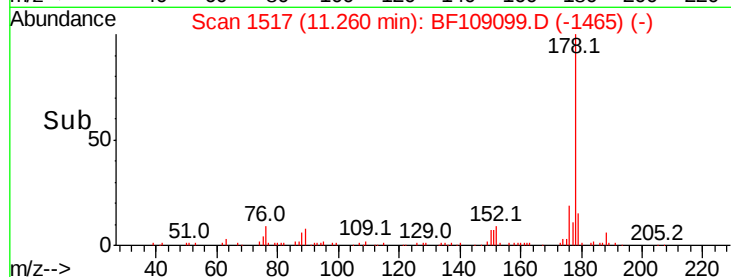
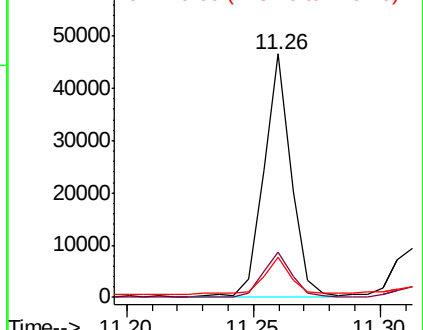
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.863 ng

RT: 12.44 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

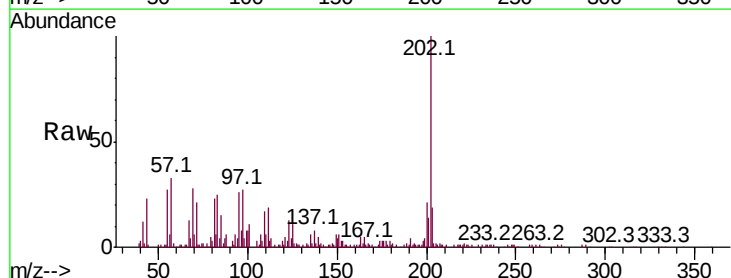
Tgt Ion:202 Resp: 67886

Ion Ratio Lower Upper

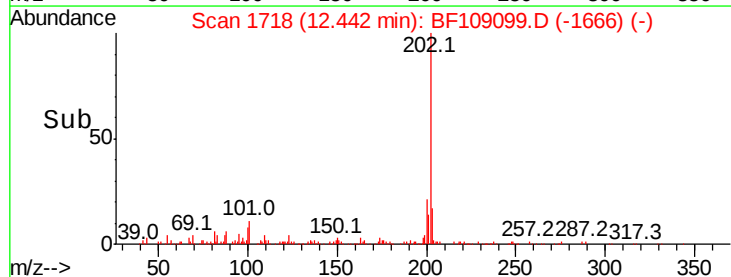
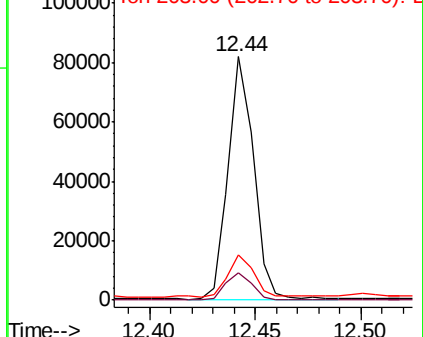
202 100

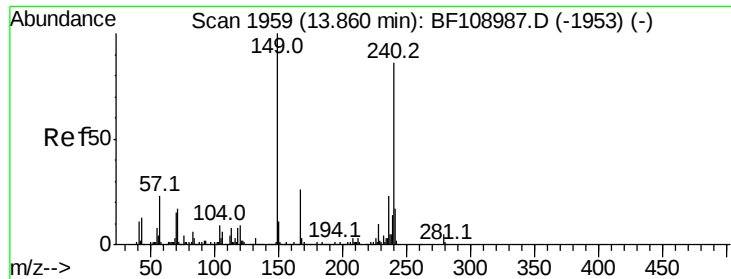
101 11.2 0.0 34.1

203 18.8 0.0 38.1



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: 13.87 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Instrument :

BNA_F

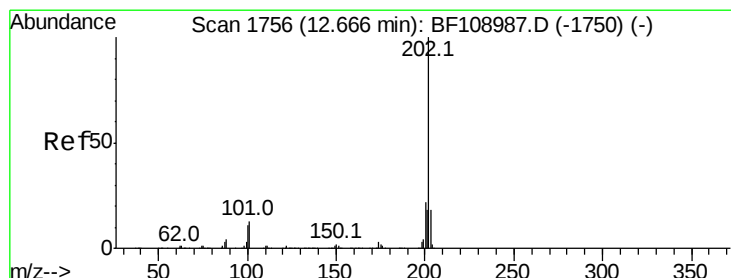
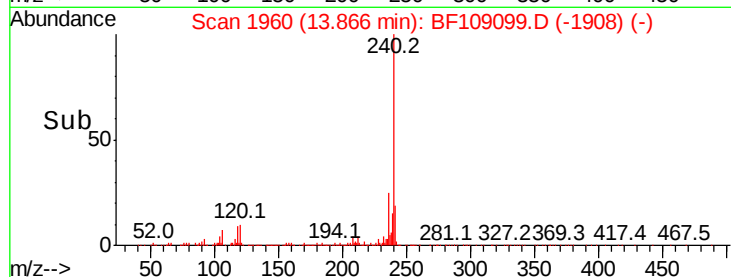
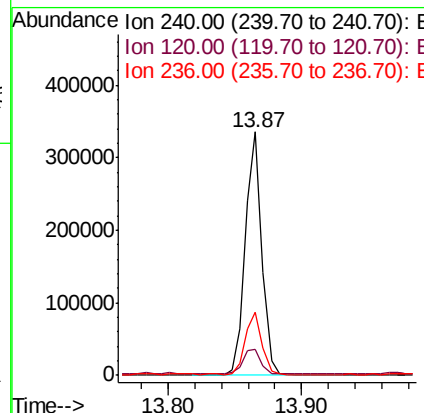
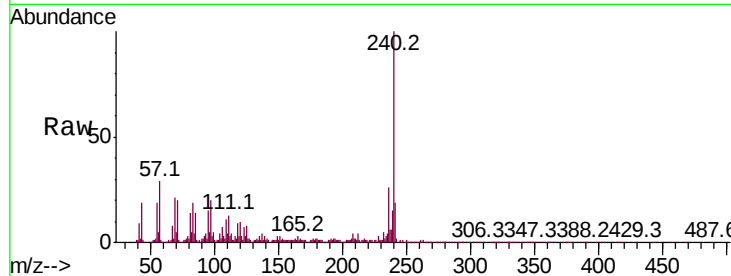
ClientSampleId :

PHASE-3

Tot Ion:	240	Resp:	287665
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 3.065 ng

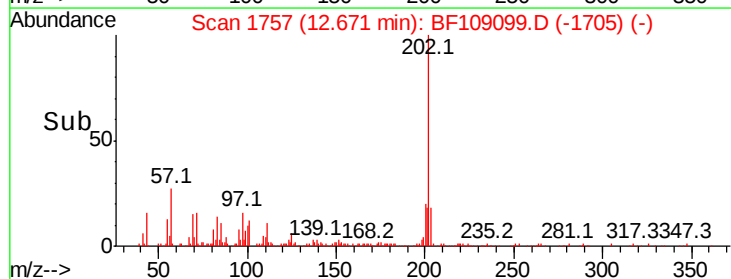
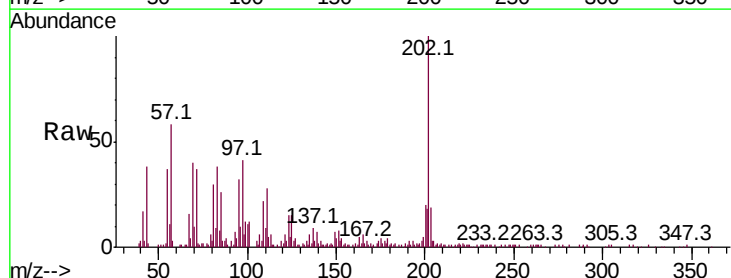
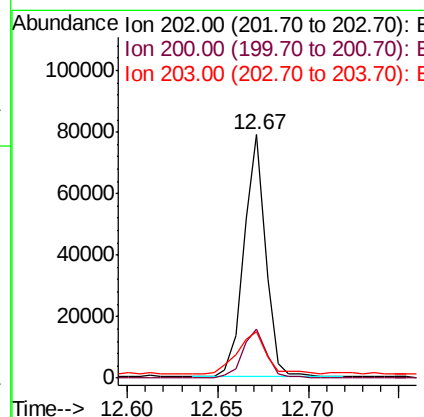
RT: 12.67 min Scan# 1757

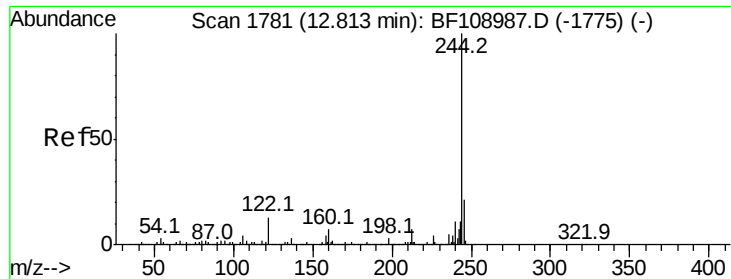
Delta R.T. 0.01 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Tgt Ion:	202	Resp:	65500
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.4	26.2
203	18.9	14.3	21.5





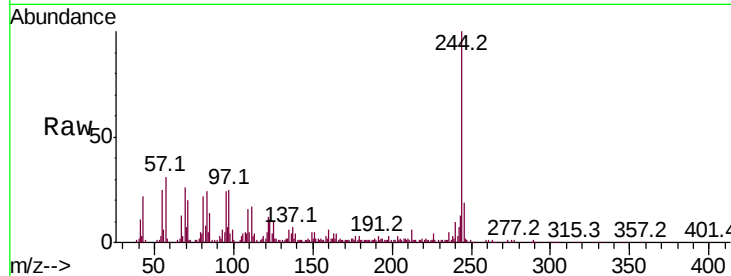
#78
 Terphenyl-d14
 Concen: 8.494 ng
 RT: 12.82 min Scan# 1782
 Delta R.T. 0.01 min
 Lab File: BF109099.D
 Acq: 18 Sep 2018 16:53

Instrument :
 BNA_F
 ClientSampled :
 PHASE-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.0	5.4	8.0	
122	11.8	11.0	16.4	

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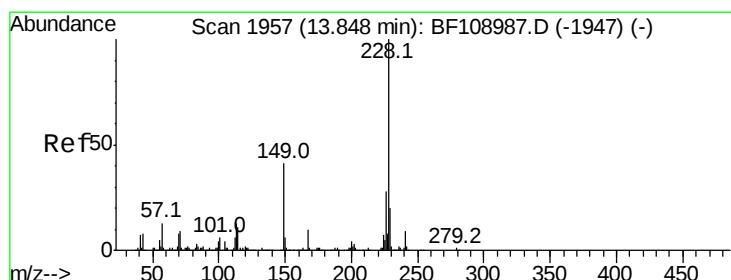
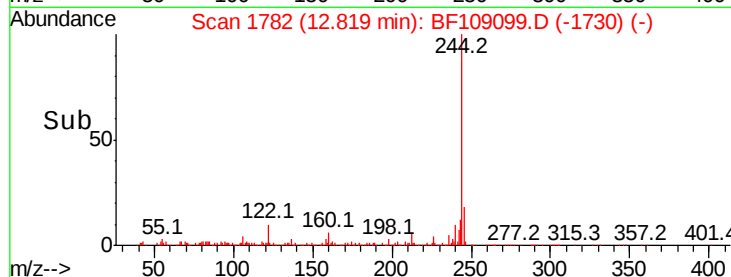
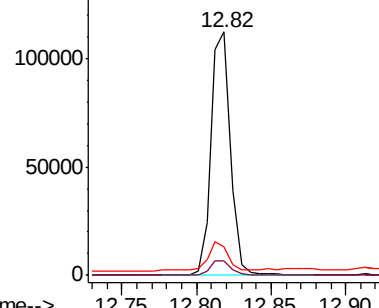


Abundance

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: 2.933 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: BF109099.D
 Acq: 18 Sep 2018 16:53

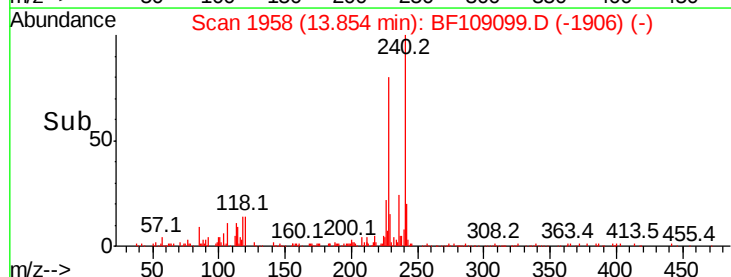
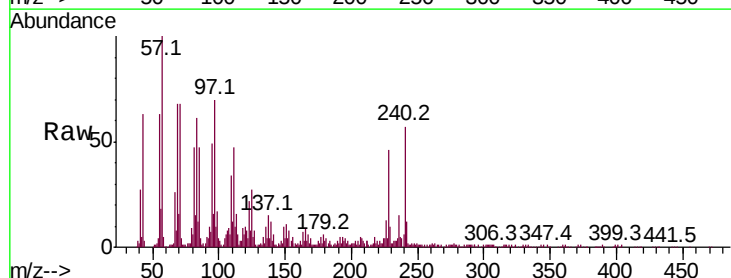
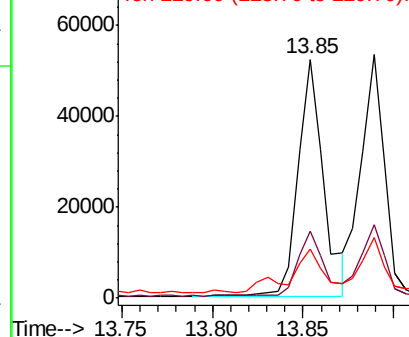
Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	22.6	33.8	
229	20.8	15.8	23.6	

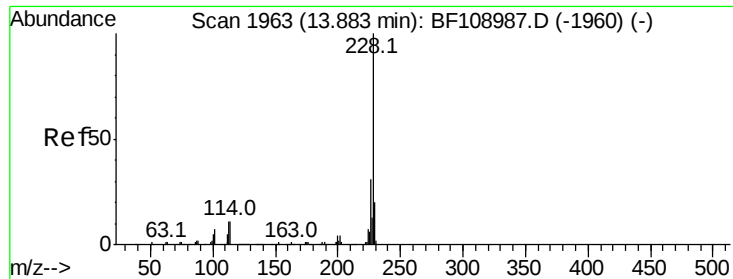
Abundance

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





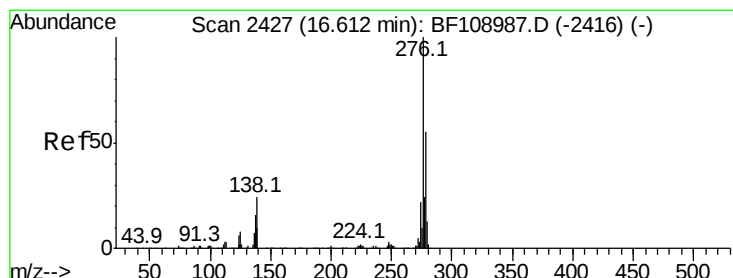
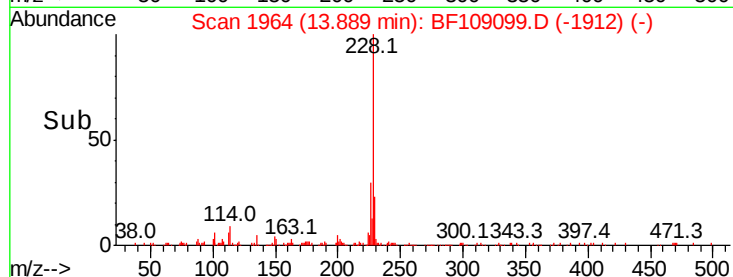
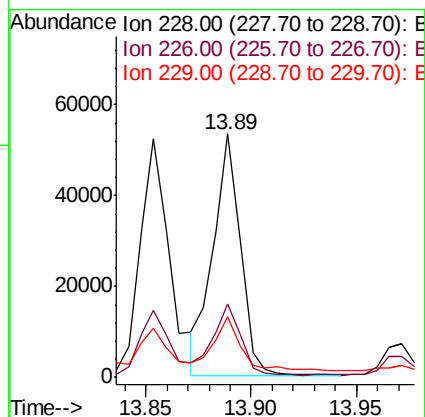
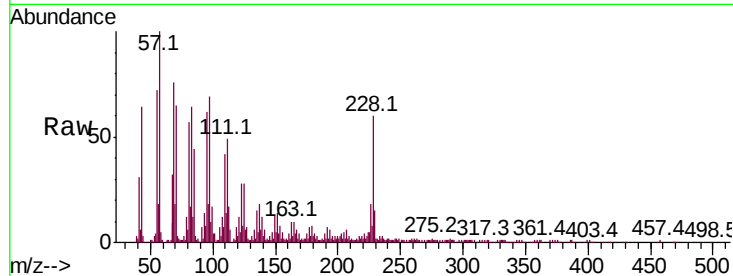
#82
Chrysene
Concen: 2.804 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BF109099.D
Acq: 18 Sep 2018 16:53

Instrument :
BNA_F
ClientSampleId :
PHASE-3

Tot Ion:	228	Resp:	48859
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	24.9	16.2	24.4

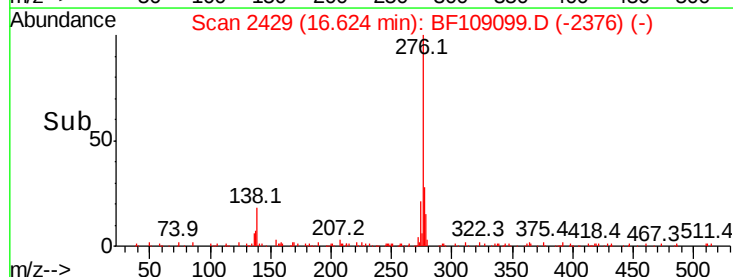
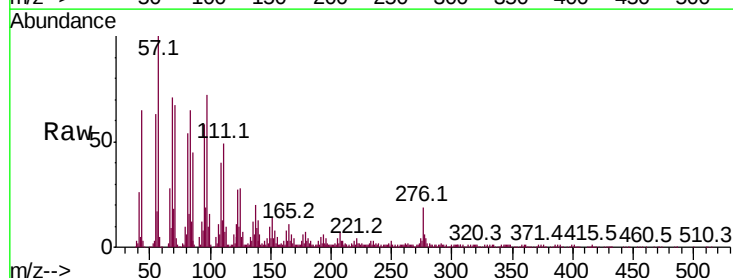
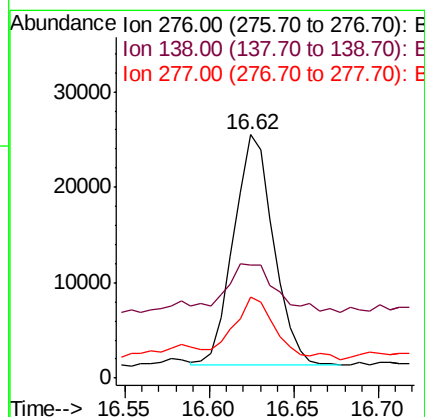
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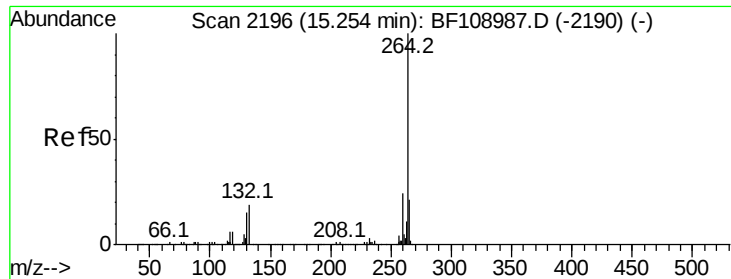
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.863 ng
RT: 16.62 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BF109099.D
Acq: 18 Sep 2018 16:53

Tgt Ion:	276	Resp:	39887
Ion Ratio	Lower	Upper	
276	100		
138	29.2	25.0	37.6
277	28.2	20.1	30.1





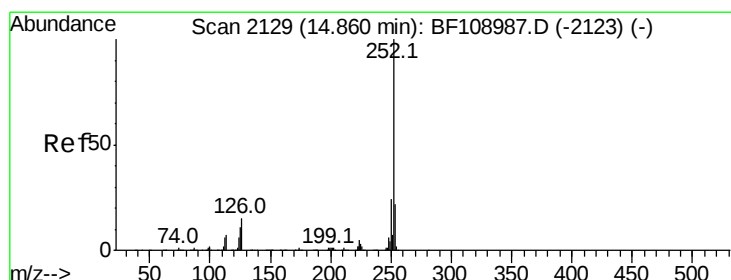
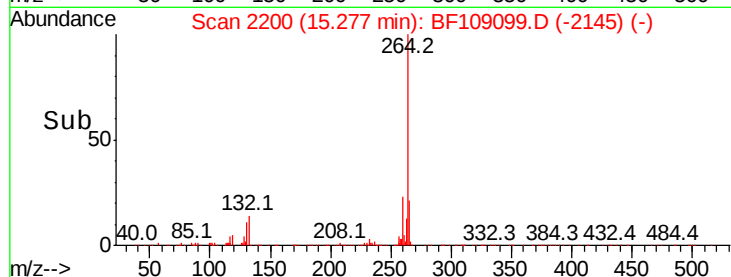
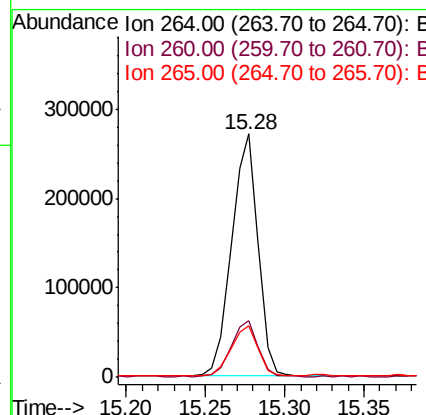
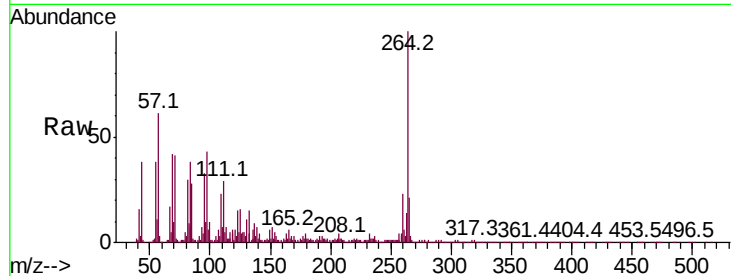
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF109099.D
Acq: 18 Sep 2018 16:53

Instrument :
BNA_F
ClientSampled :
PHASE-3

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.5	19.2	28.8	
265	21.4	17.5	26.3	

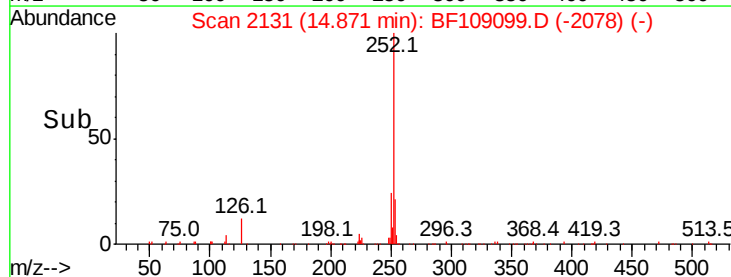
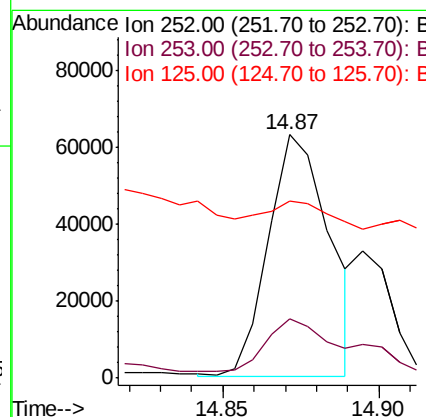
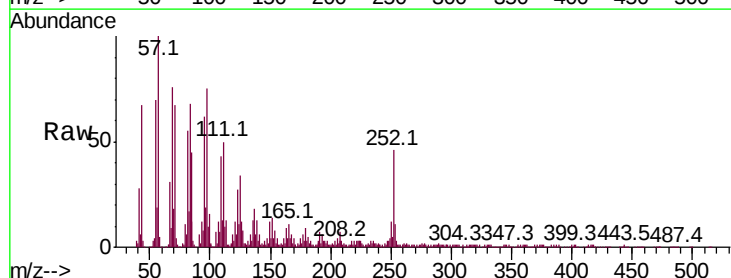
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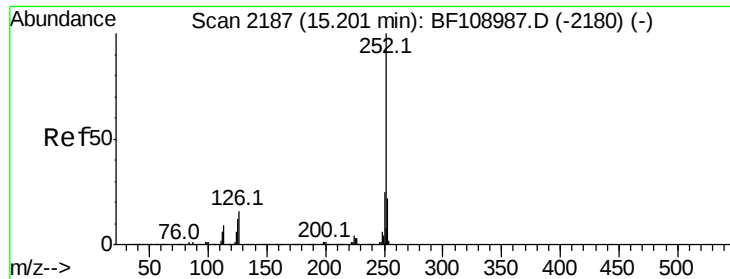
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#87
Benzo(b)fluoranthene
Concen: 4.993 ng m
RT: 14.87 min Scan# 2131
Delta R.T. 0.01 min
Lab File: BF109099.D
Acq: 18 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.1	17.0	25.6	
125	72.9	9.0	13.6	





#89

Benzo(a)pyrene

Concen: 4.045 ng

RT: 15.21 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Instrument :

BNA_F

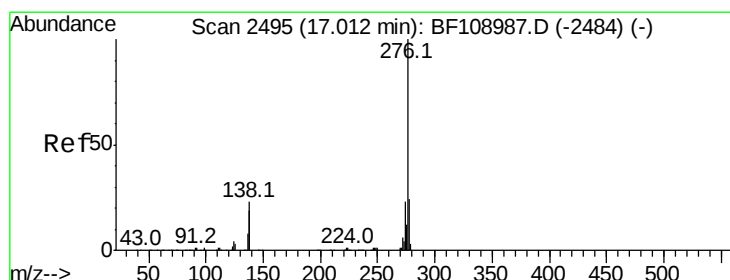
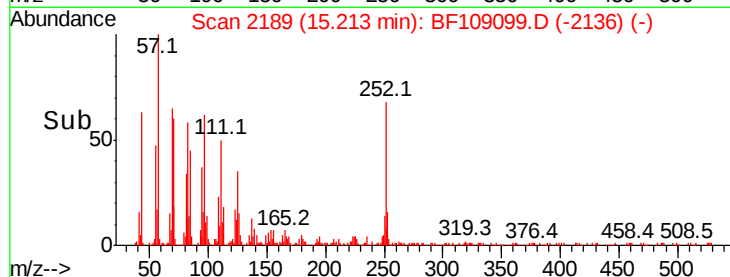
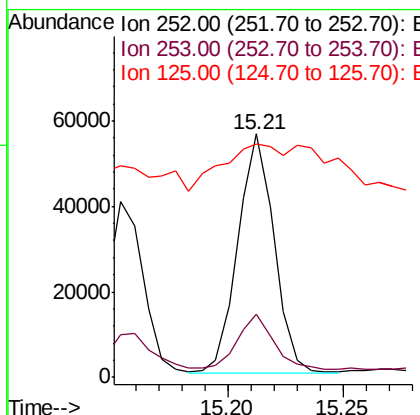
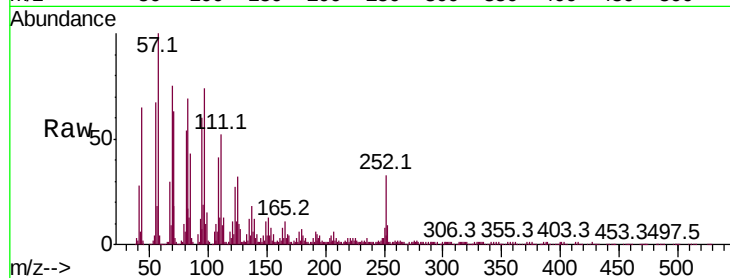
ClientSampled :

PHASE-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.1	25.7#
125	95.7	9.8	14.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.091 ng

RT: 17.03 min Scan# 2498

Delta R.T. 0.02 min

Lab File: BF109099.D

Acq: 18 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.0	17.9	26.9#
138	51.9	21.8	32.8#

