

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101294.D
 Acq On : 11 Dec 2017 17:22
 Operator : SJ/JU
 Sample : I6746-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-109-4(5-10)

Manual Integrations
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Quant Time: Dec 12 00:28:47 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	6.83	152	45214	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	178445	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	81398	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	143824	20.00	ng	0.00
75) Chrysene-d12	14.02	240	90197	20.00	ng	0.01
86) Perylene-d12	15.49	264	96640	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	326187	119.21	ng	0.02
7) Phenol-d6	6.47	99	404211	121.68	ng	0.01
23) Nitrobenzene-d5	7.40	82	246016	82.24	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	100189	102.46	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	529356	88.98	ng	0.00
78) Terphenyl-d14	12.95	244	416607	101.03	ng	0.01
Target Compounds						
10) Phenol	6.49	94	16576	4.487	ng	80
49) Dimethylphthalate	9.58	163	28147	4.288	ng	# 99
70) Phenanthrene	11.39	178	70701	8.927	ng	97
71) Anthracene	11.44	178	23734	2.961	ng	98
74) Fluoranthene	12.58	202	129873	14.793	ng	94
77) Pyrene	12.81	202	126537m	20.331	ng	
80) Benzo(a)anthracene	14.00	228	110198	19.350	ng	99
82) Chrysene	14.04	228	93437	17.666	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	70901	15.079	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	137848m	23.814	ng	
88) Benzo(k)fluoranthene	15.09	252	54417m	9.542	ng	
89) Benzo(a)pyrene	15.43	252	128030	24.329	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	21680	4.673	ng	97
91) Benzo(g,h,i)perylene	17.43	276	62113	14.206	ng	# 92

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

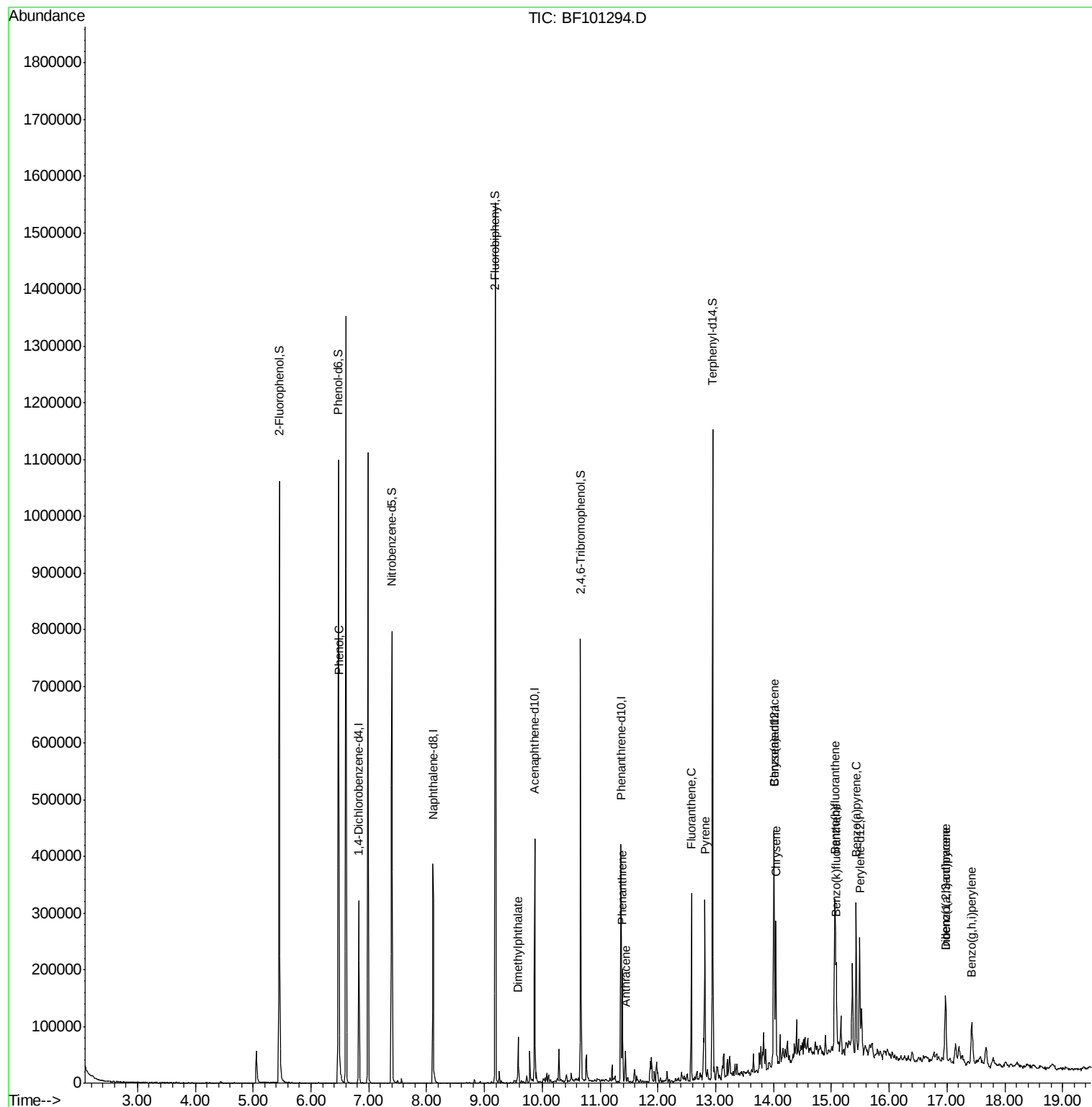
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
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ALS Vial : 18 Sample Multiplier: 1

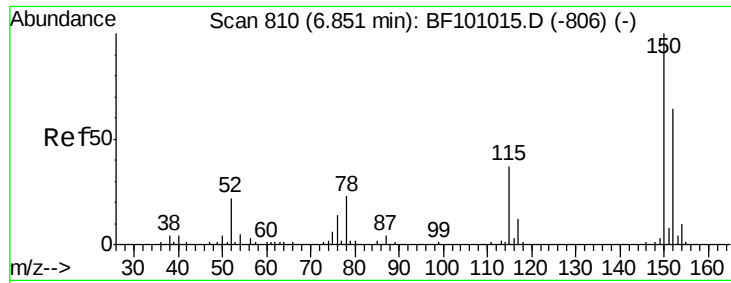
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

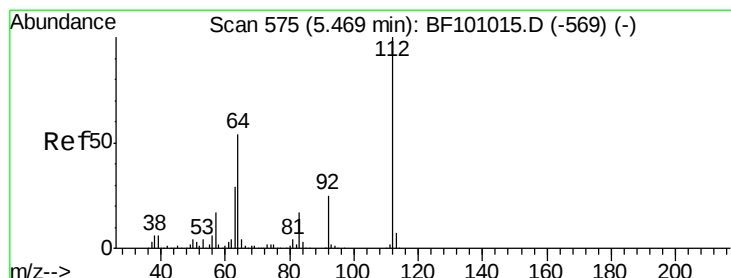
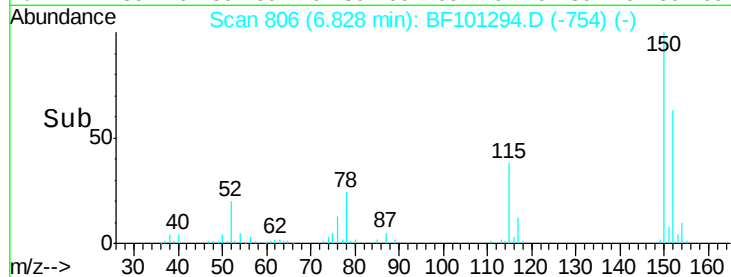
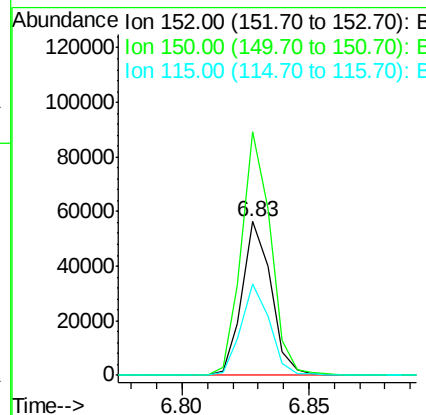
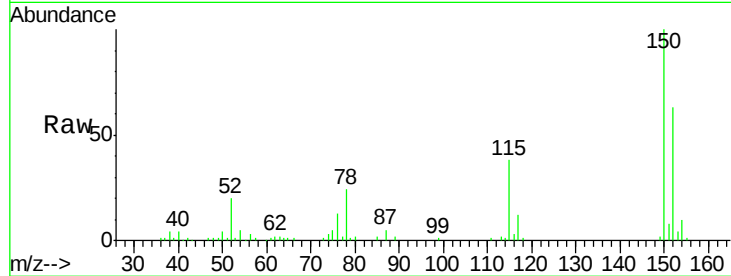
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	59.7	50.1	75.1

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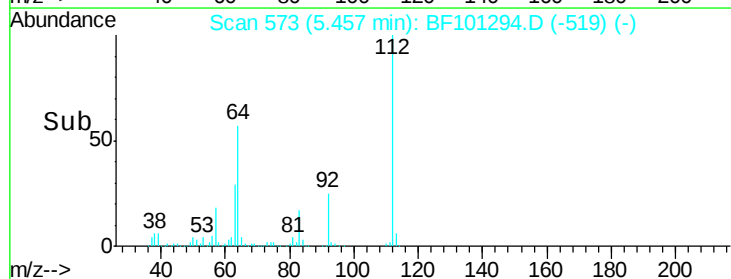
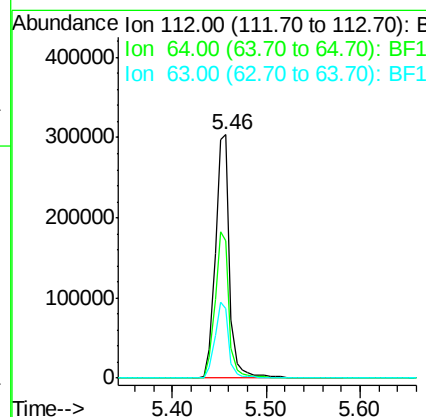
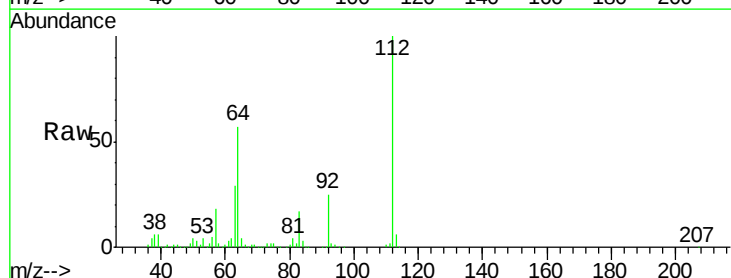
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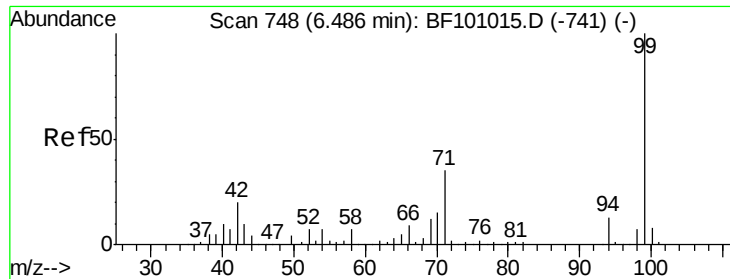


#5

2-Fluorophenol
Concen: 119.212 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 121.677 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

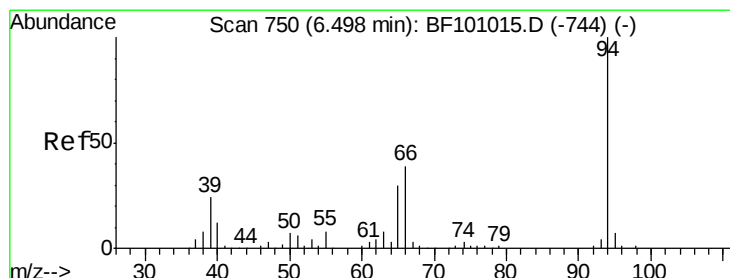
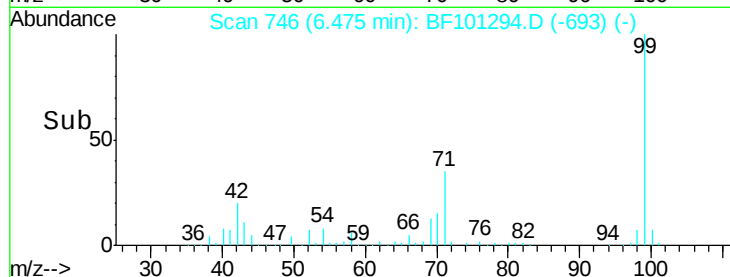
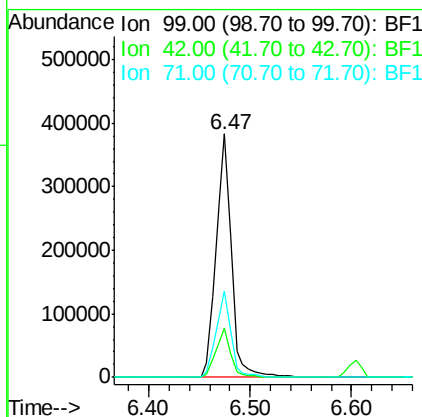
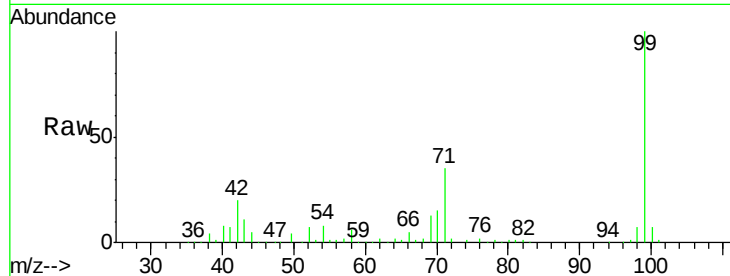
ClientSampleId :

ENV-109-4(5-10)

Tot Ion:	99	Resp:	404211
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	35.2	25.4	38.0

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#10

Phenol

Concen: 4.487 ng

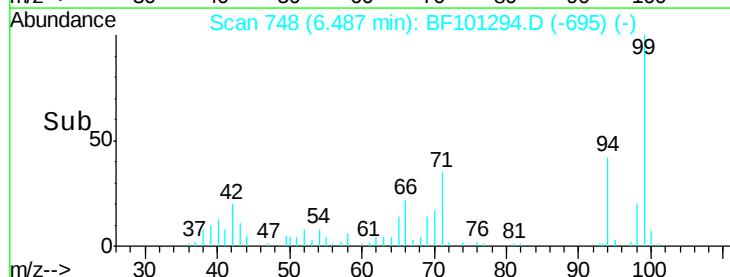
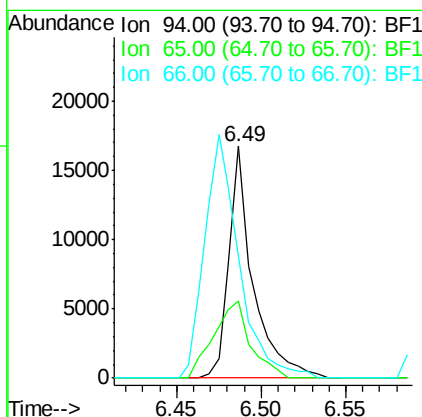
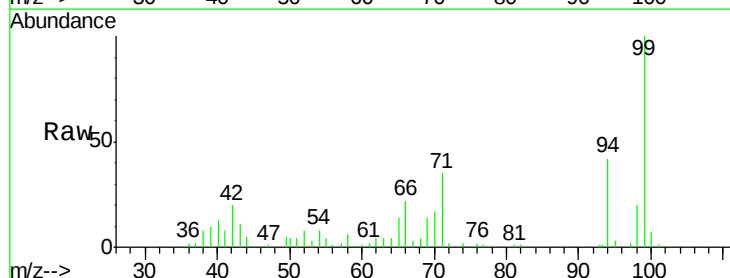
RT: 6.49 min Scan# 748

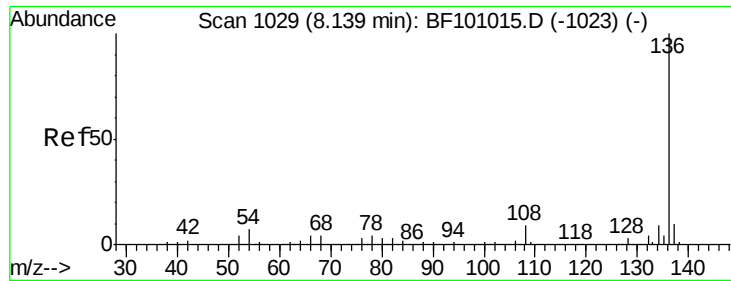
Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Tgt Ion:	94	Resp:	16576
Ion Ratio	Lower	Upper	
94	100		
65	33.1	7.9	47.9
66	52.6	16.2	56.2





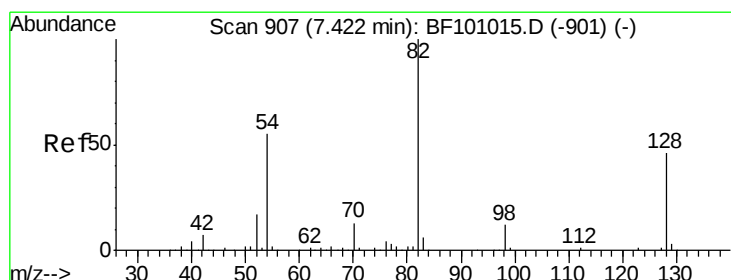
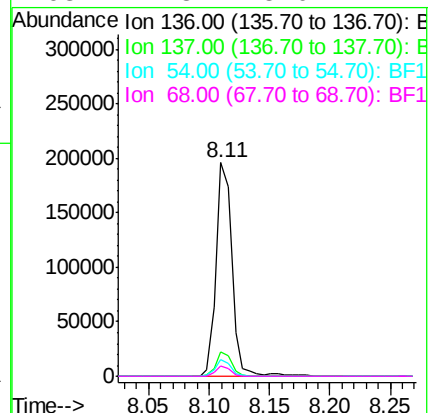
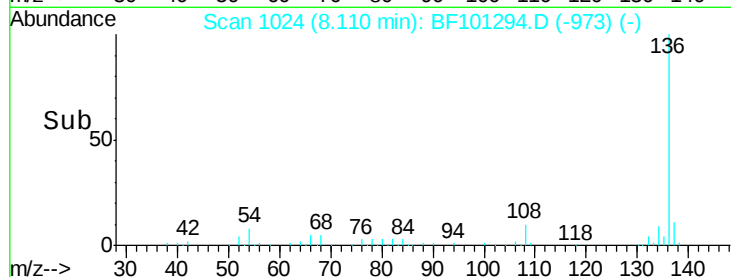
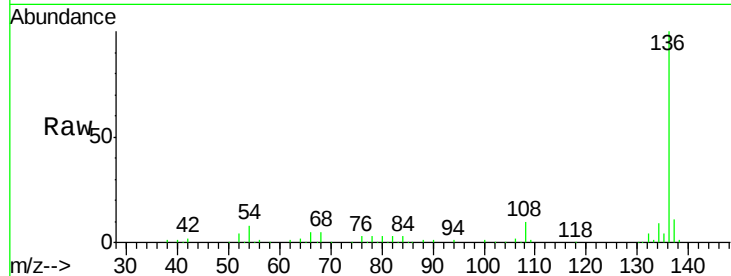
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.3		8.9	13.3	
54	7.8		6.6	9.8	
68	4.8		5.0	7.4	

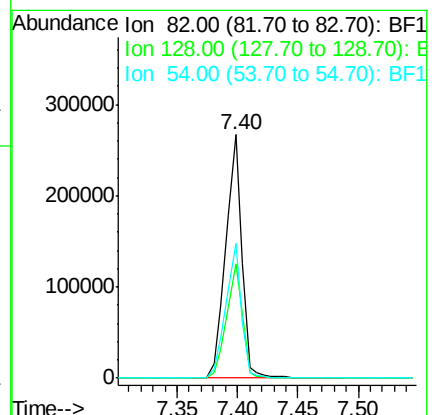
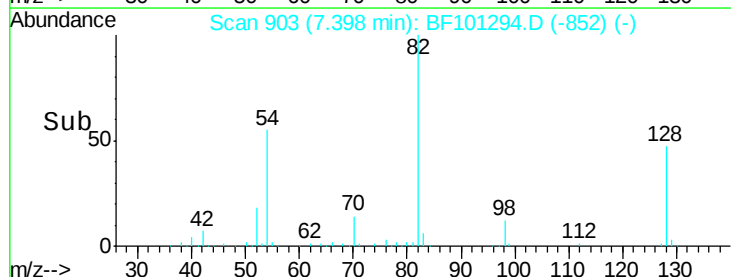
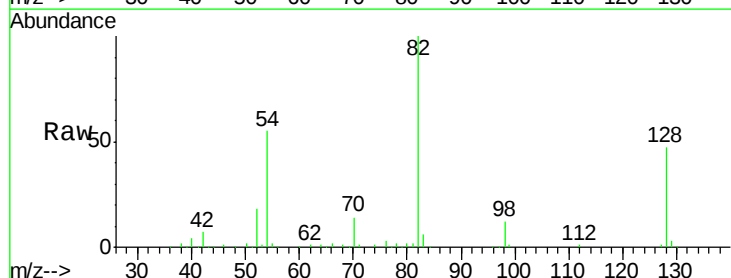
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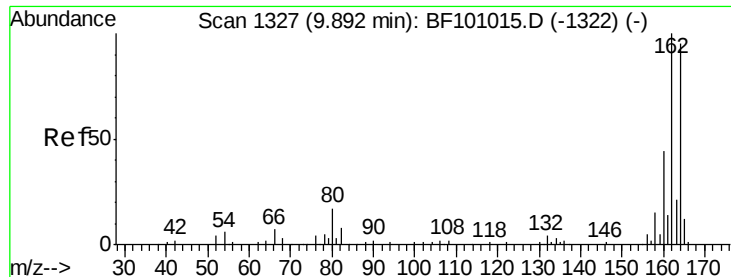
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#23
Nitrobenzene-d5
Concen: 82.242 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	46.8		36.1	54.1	
54	55.2		41.4	62.2	





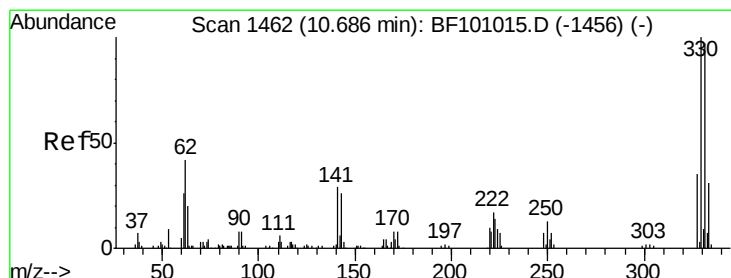
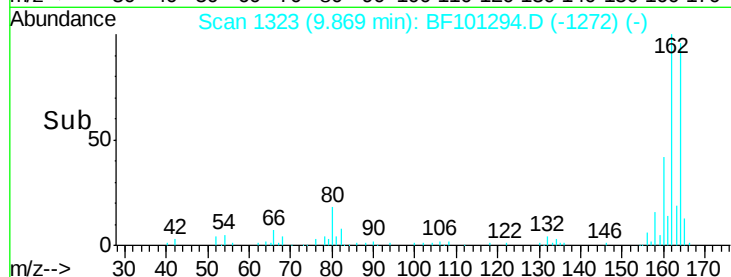
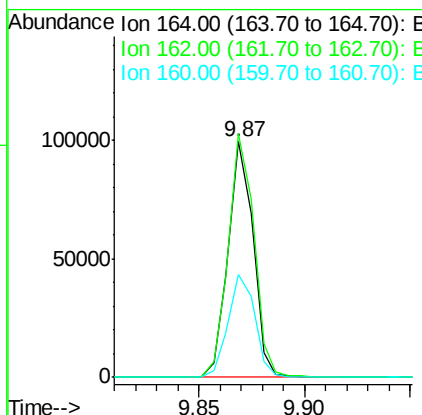
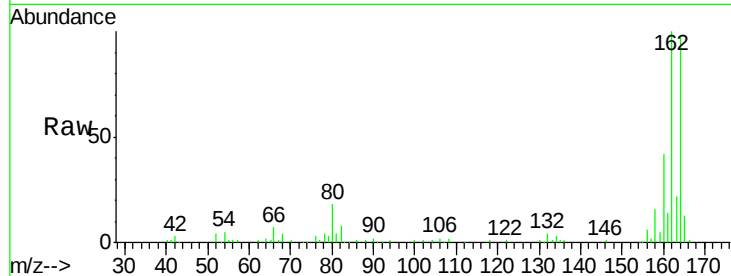
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	43.4	38.3	57.5

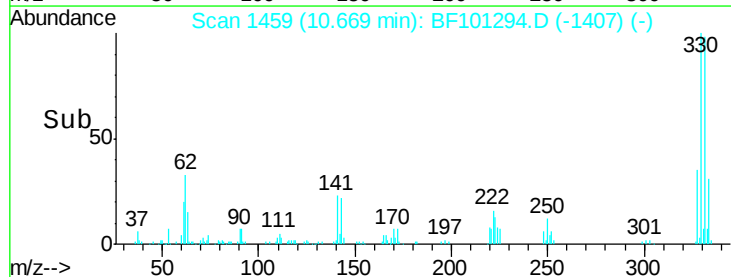
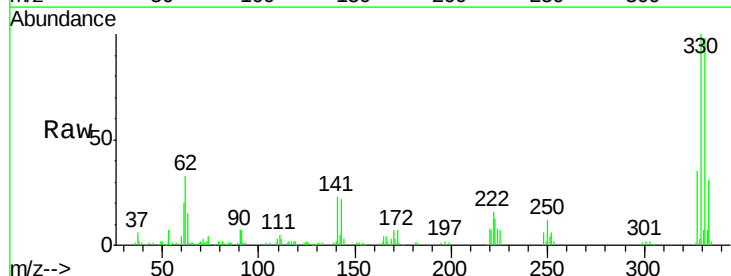
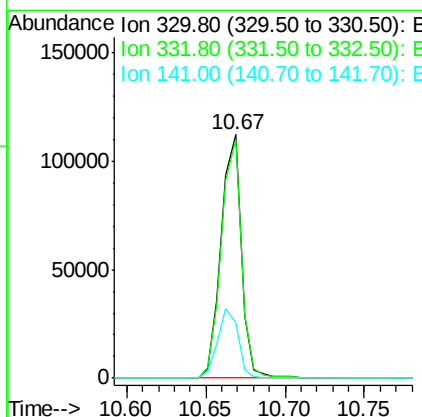
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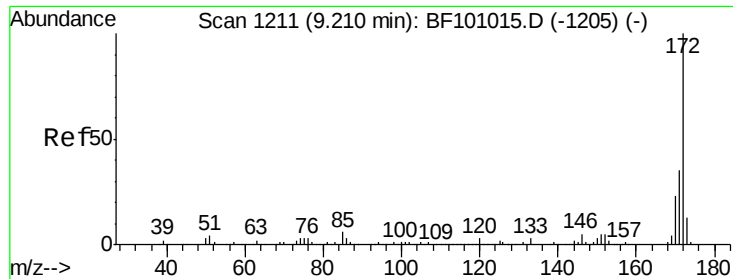
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#41
2,4,6-Tribromophenol
Concen: 102.461 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	29.4	29.9	44.9#





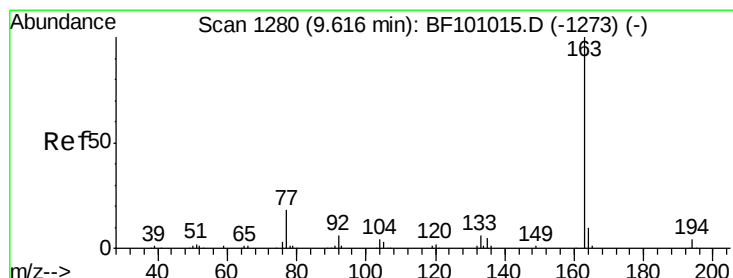
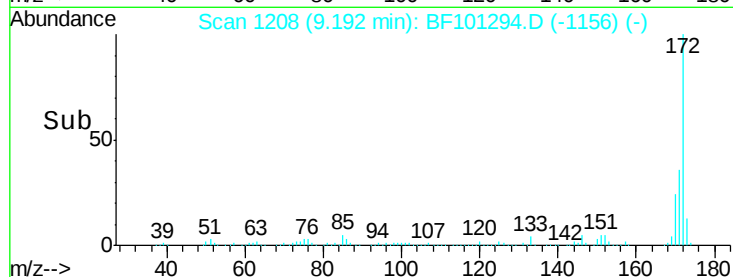
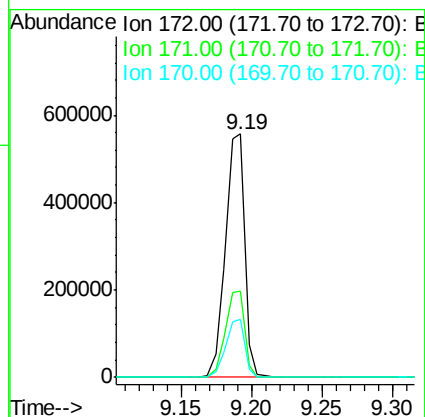
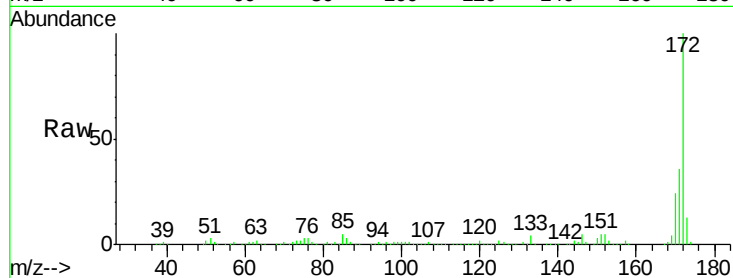
#44
2-Fluorobiphenyl
Concen: 88.978 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	529356		
171	35.6		29.7	44.5
170	23.8		19.6	29.4

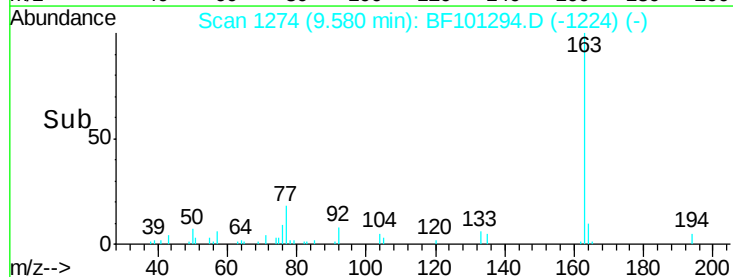
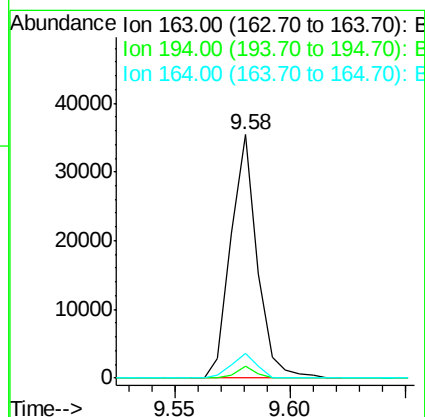
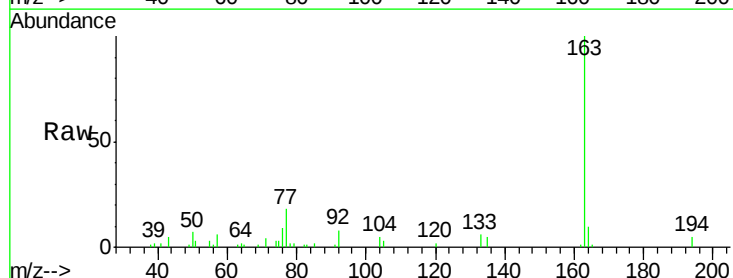
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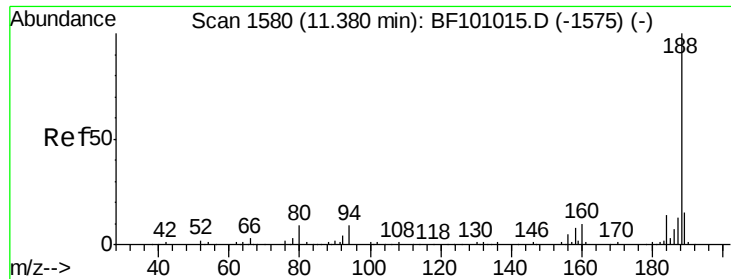
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#49
Dimethylphthalate
Concen: 4.288 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	28147		
194	4.8		2.7	4.1#
164	10.1		8.2	12.2





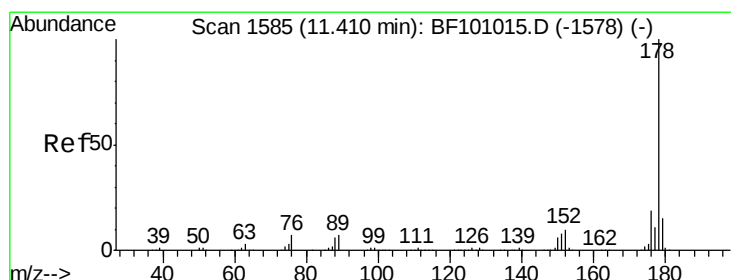
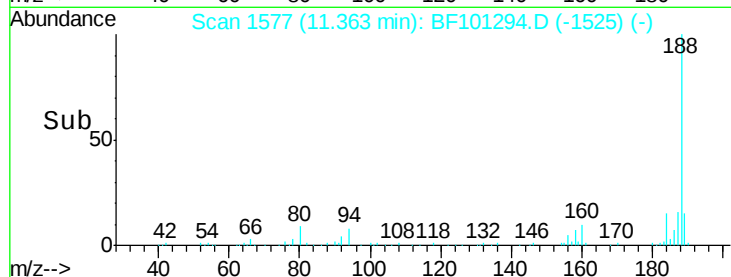
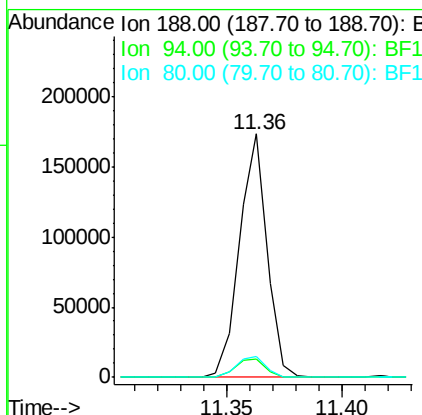
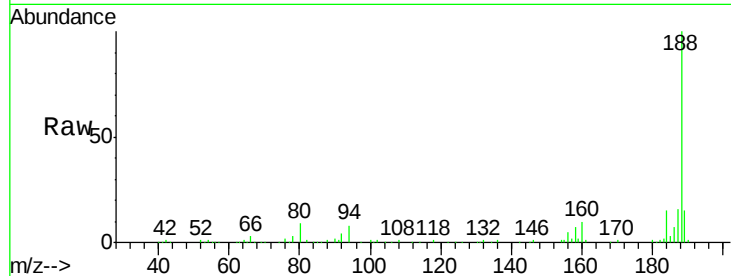
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.7	9.2	13.8#

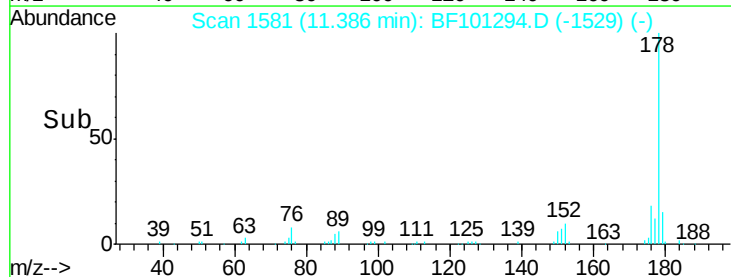
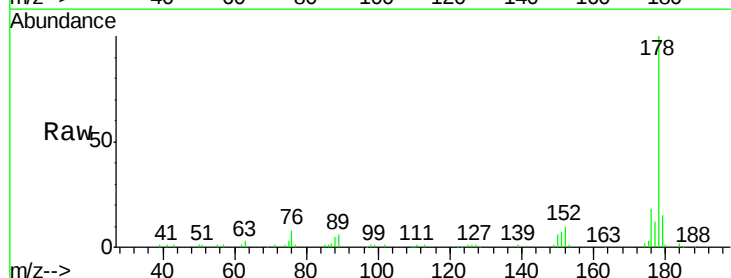
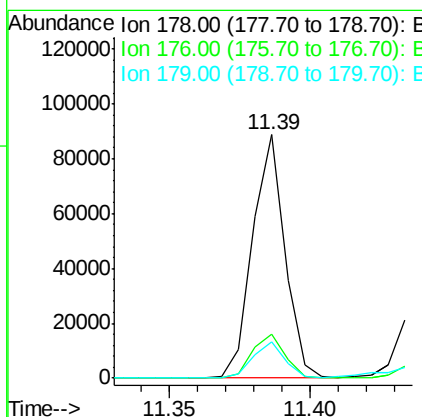
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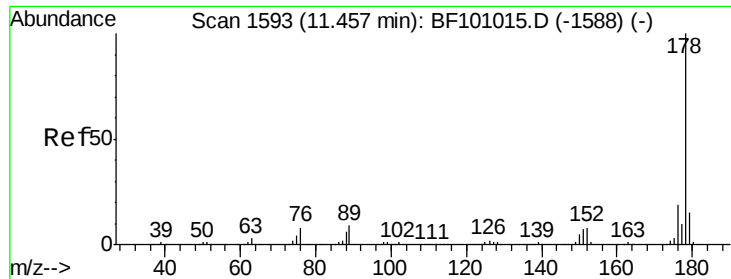
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#70
Phenanthrene
Concen: 8.927 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	15.8	23.8
179	14.8	13.0	19.6





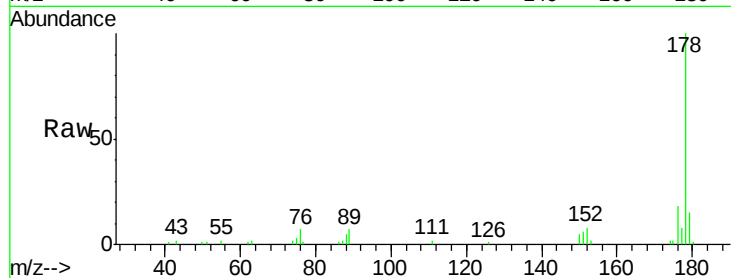
#71
 Anthracene
 Concen: 2.961 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Instrument :
 BNA_F
 ClientSampleId :
 ENV-109-4(5-10)

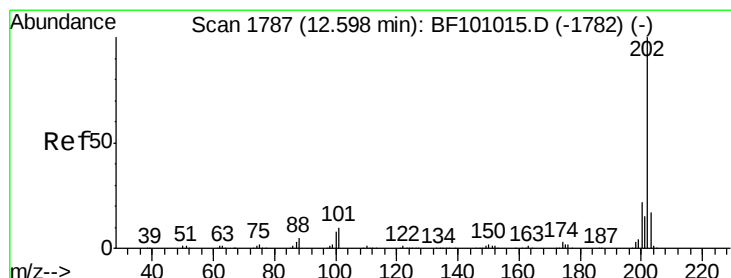
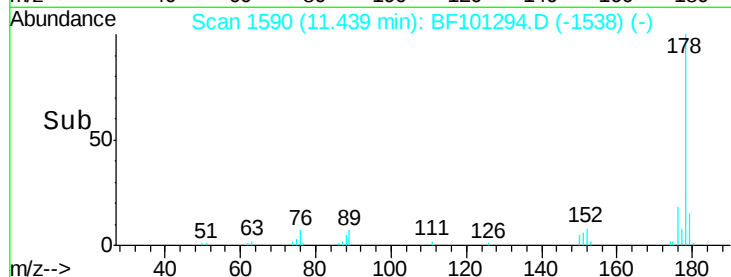
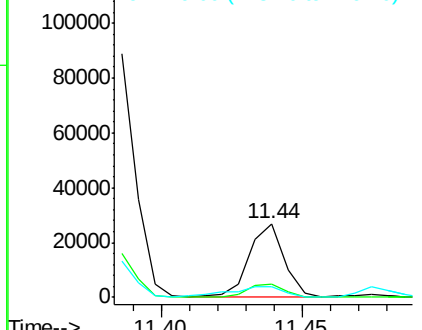
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.3	12.6	19.0

Manual Integrations
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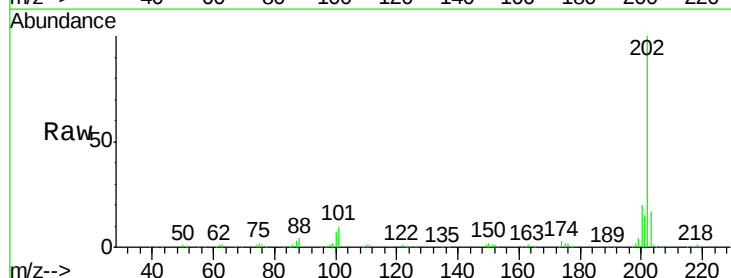


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

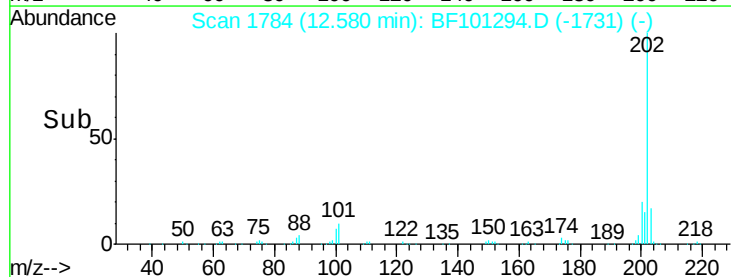
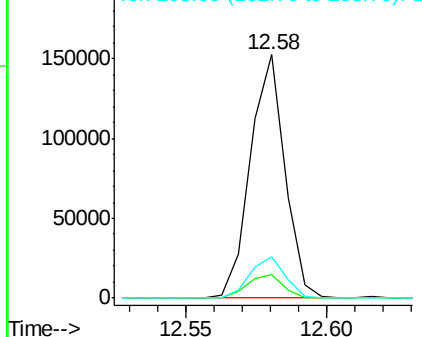


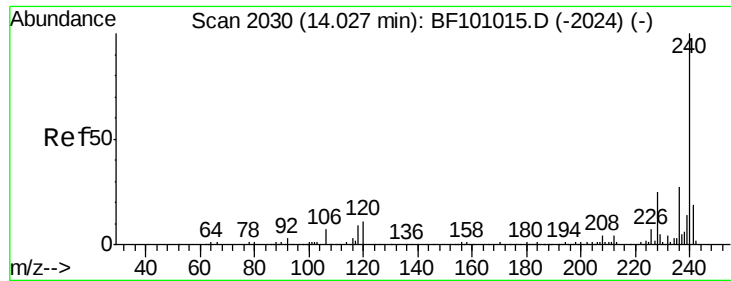
#74
 Fluoranthene
 Concen: 14.793 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.0	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: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

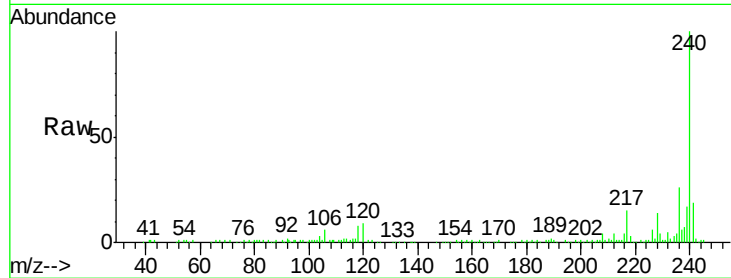
ClientSampleId :

ENV-109-4(5-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3
236	25.6	20.7	31.1

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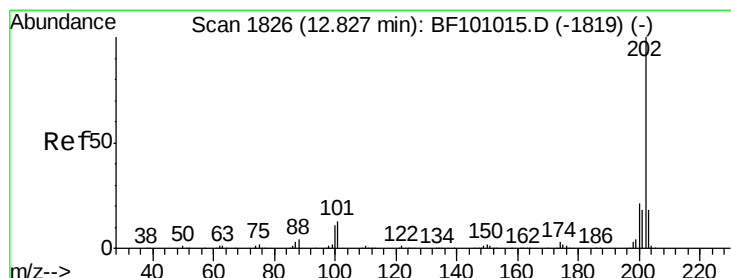
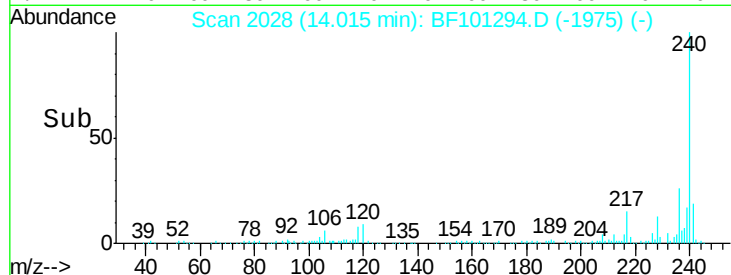
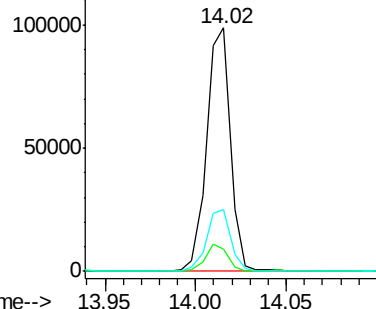
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.331 ng m

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101294.D

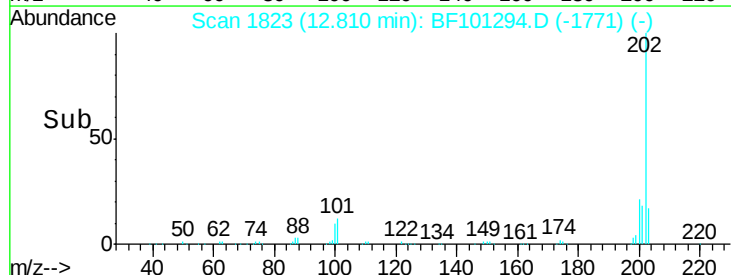
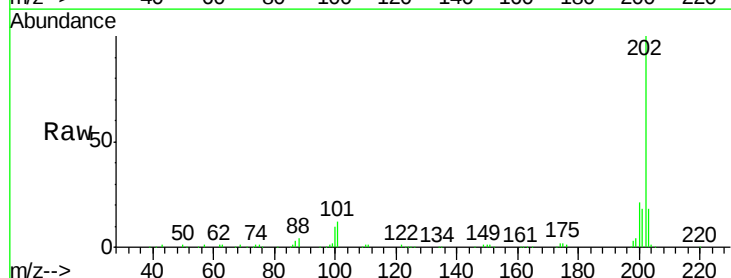
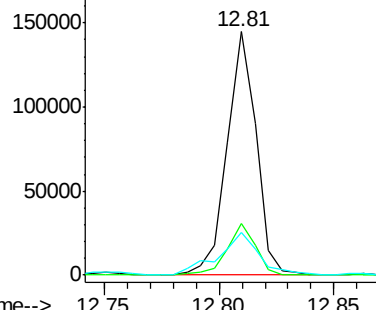
Acq: 11 Dec 2017 17:22

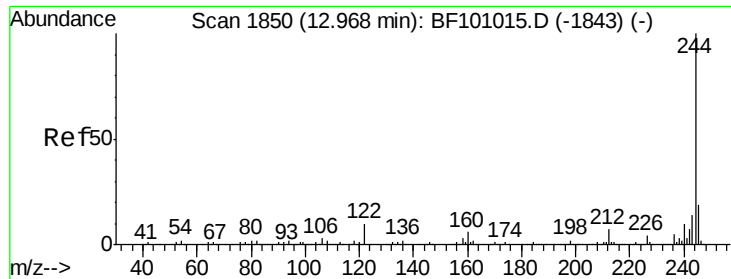
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

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





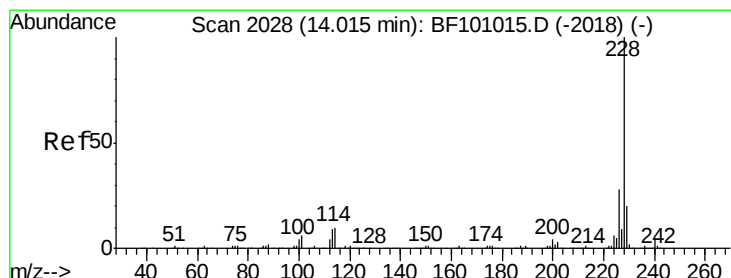
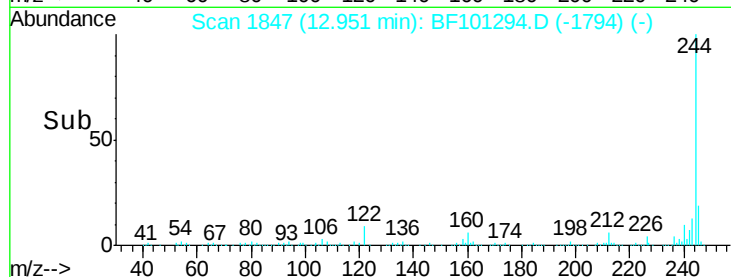
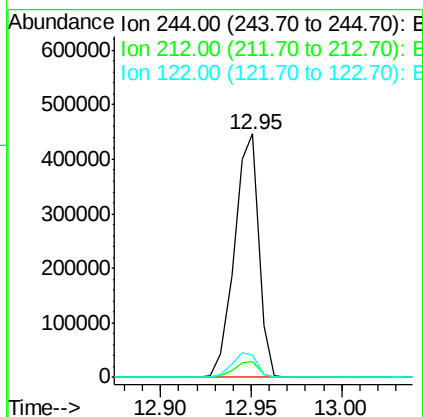
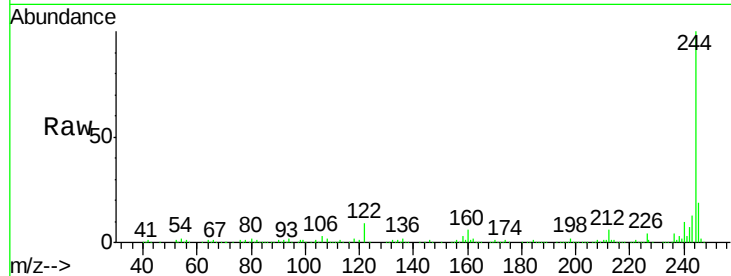
#78
 Terphenyl-d14
 Concen: 101.027 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Instrument :
 BNA_F
 ClientSampleId :
 ENV-109-4(5-10)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.9	11.0	16.4

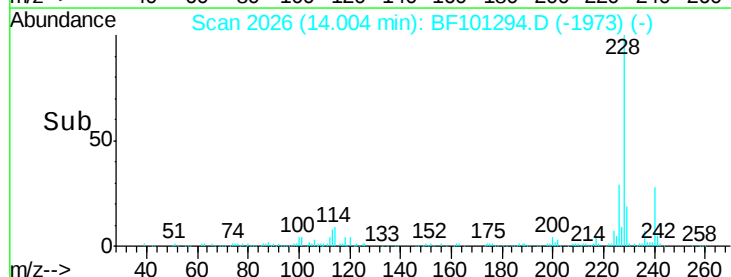
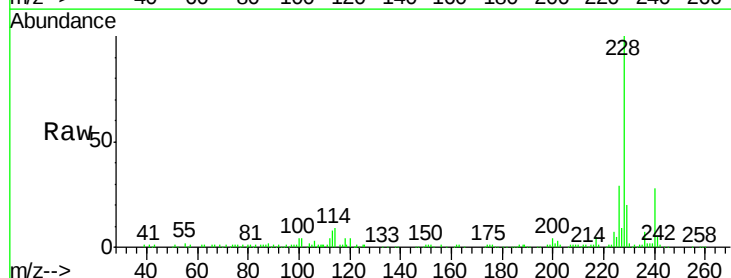
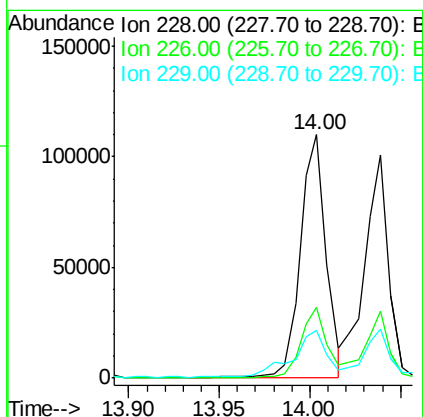
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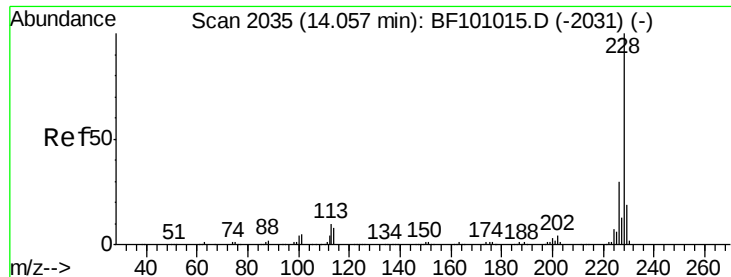
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#80
 Benzo(a)anthracene
 Concen: 19.350 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	19.6	15.8	23.6





#82

Chrysene

Concen: 17.666 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

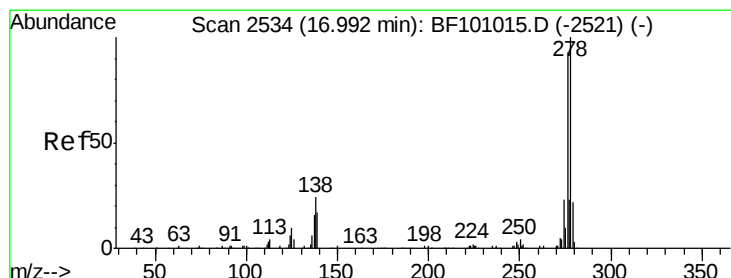
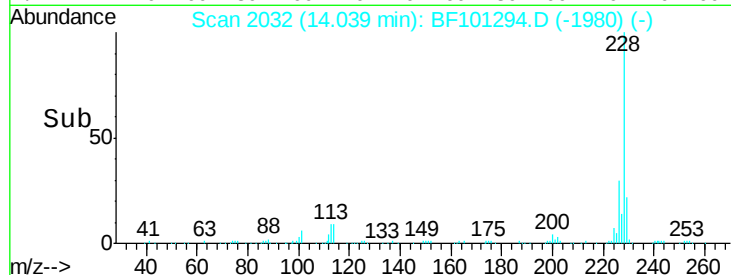
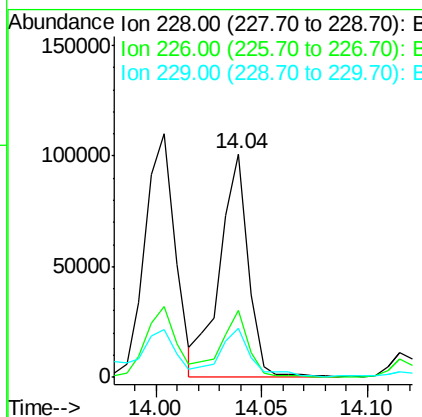
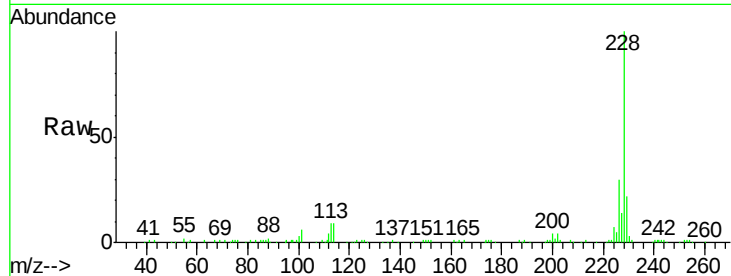
ClientSampleId :

ENV-109-4(5-10)

Tot Ion:	228	Resp:	93437
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	22.1	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.079 ng

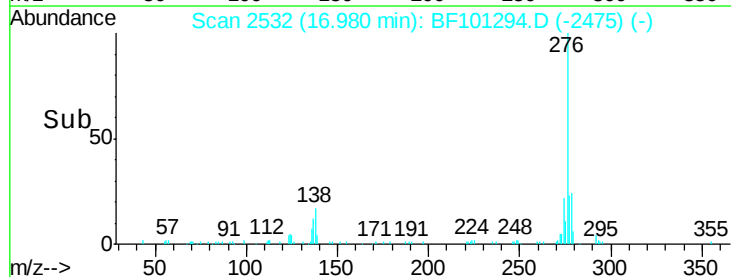
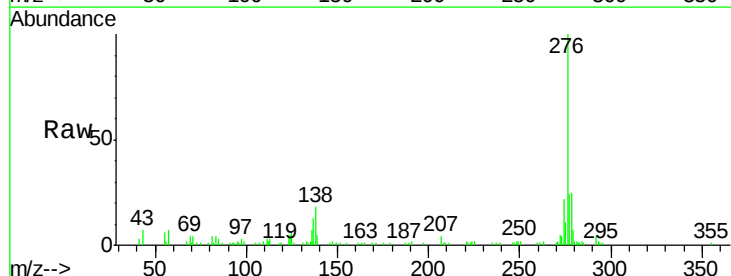
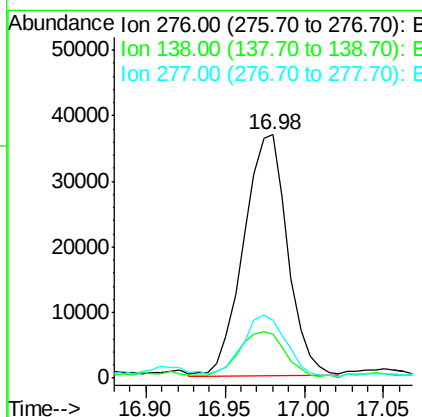
RT: 16.98 min Scan# 2532

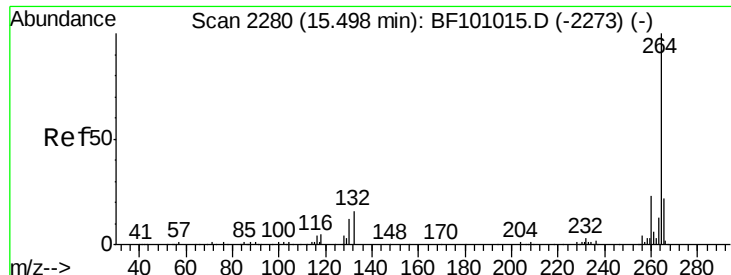
Delta R.T. 0.04 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Tgt Ion:	276	Resp:	70901
Ion Ratio	Lower	Upper	
276	100		
138	21.1	25.0	37.6#
277	24.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

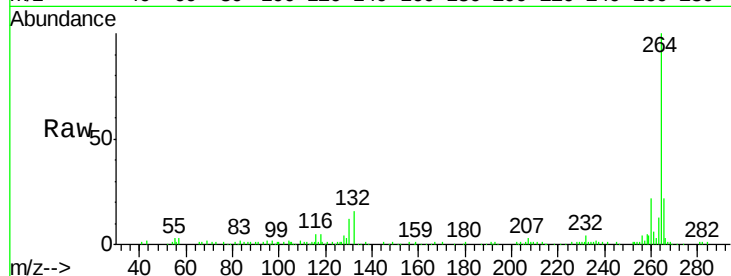
ClientSampleId :

ENV-109-4(5-10)

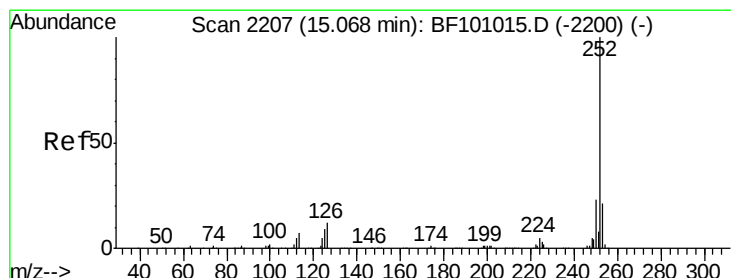
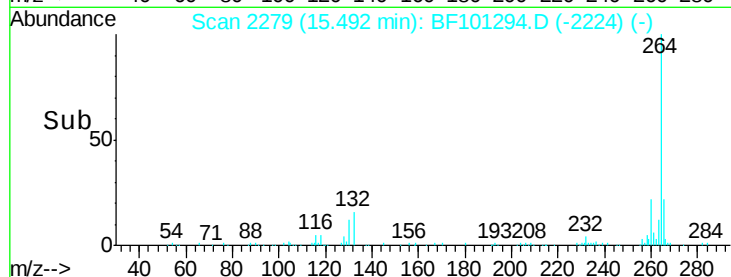
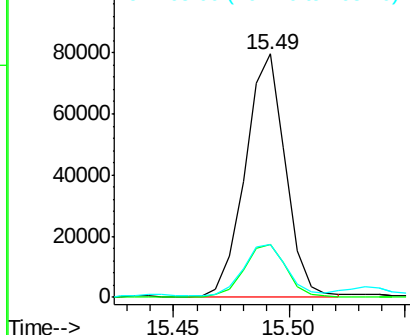
Tot Ion:	264	Resp:	96640
Ion Ratio	Lower	Upper	
264	100		
260	21.7	19.2	28.8
265	21.8	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 23.814 ng m

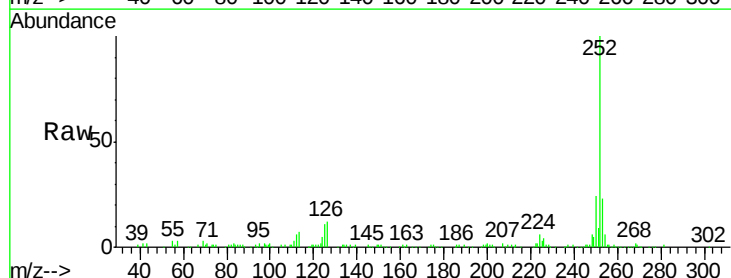
RT: 15.06 min Scan# 2206

Delta R.T. 0.02 min

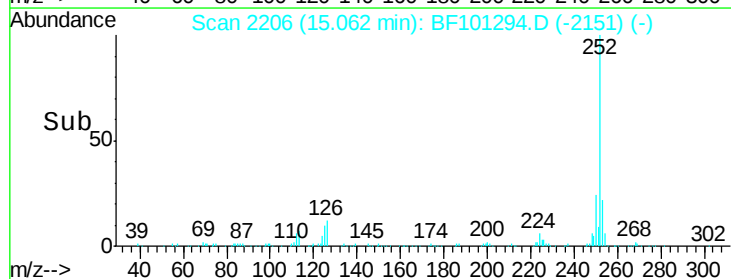
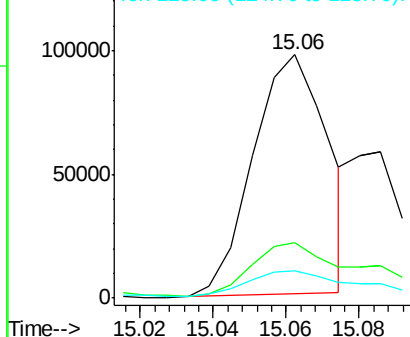
Lab File: BF101294.D

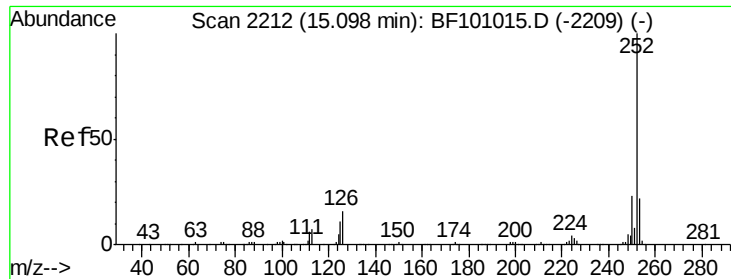
Acq: 11 Dec 2017 17:22

Tgt Ion:	252	Resp:	137848
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	11.0	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





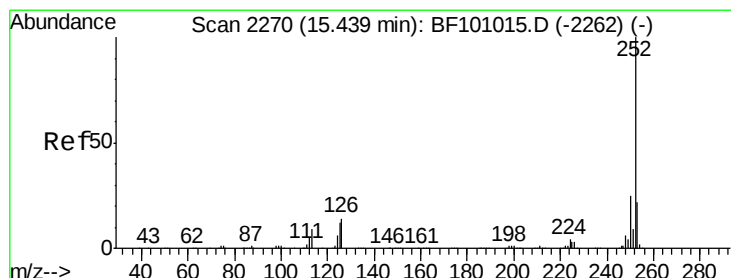
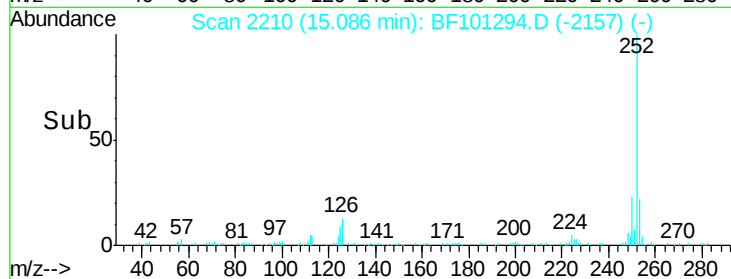
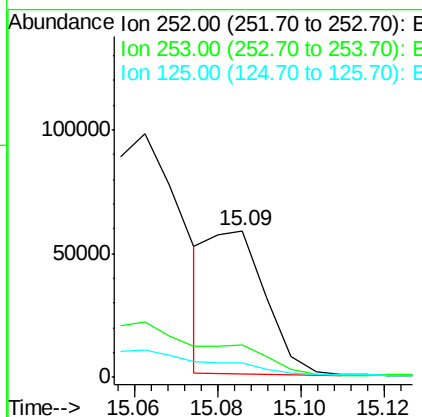
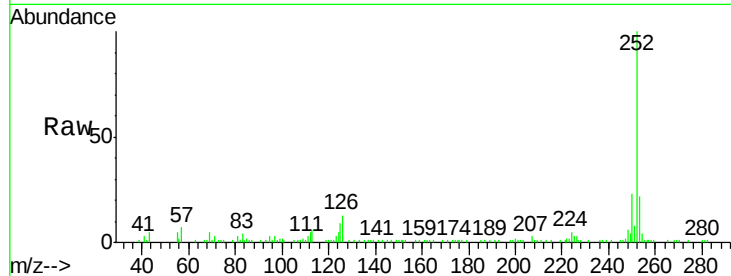
#88
Benzo(k)fluoranthene
Concen: 9.542 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	9.5	10.2	15.2

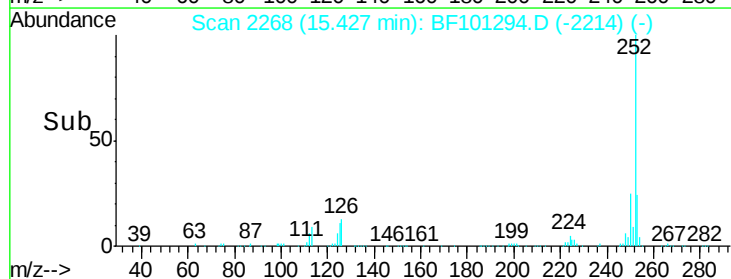
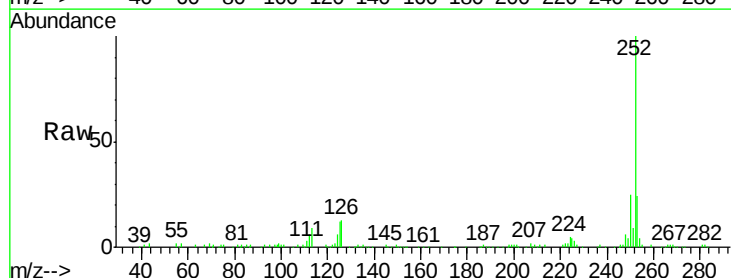
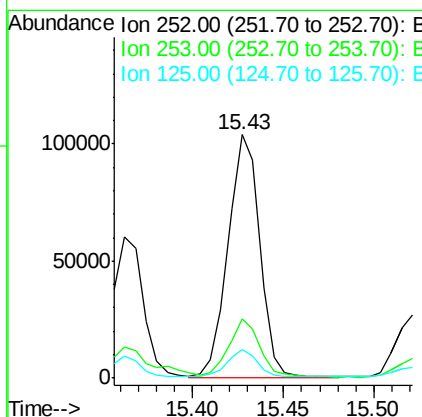
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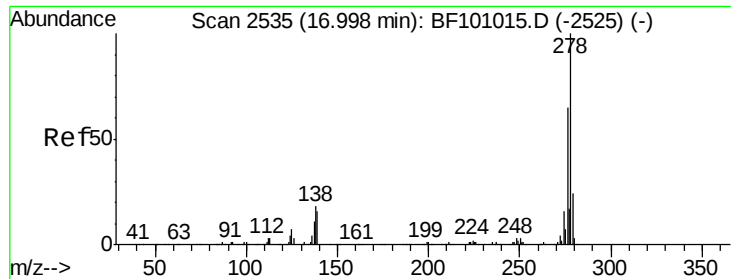
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#89
Benzo(a)pyrene
Concen: 24.329 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	11.9	9.8	14.6





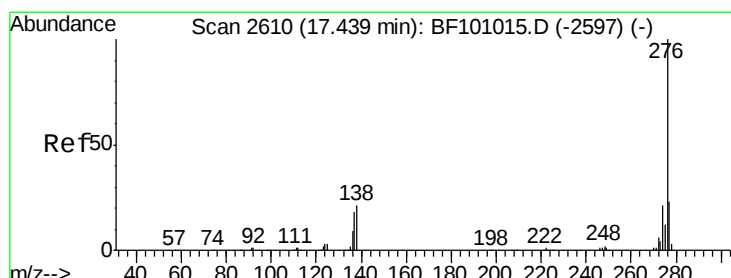
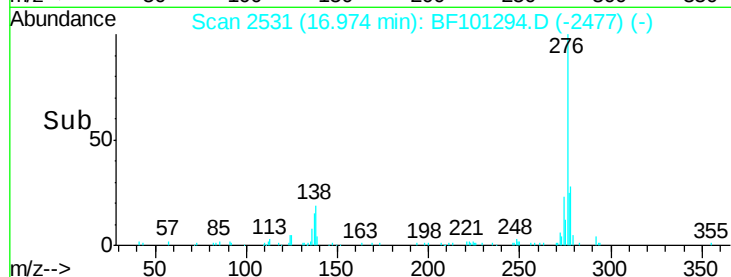
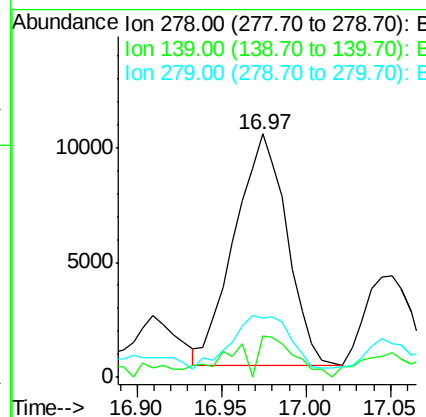
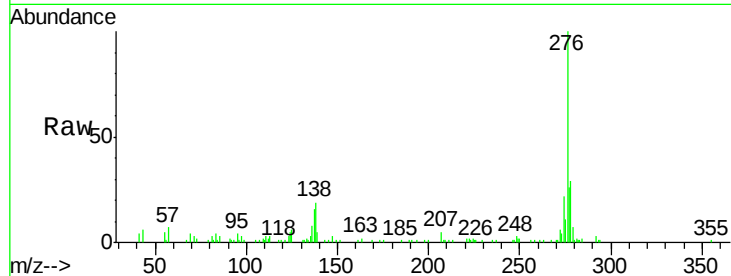
#90
Dibenzo(a,h)anthracene
Concen: 4.673 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.1	15.9	23.9
279	24.2	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 14.206 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.04 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	21.8	21.8	32.8#

