

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101296.D
 Acq On : 11 Dec 2017 18:16
 Operator : SJ/JU
 Sample : I6747-04 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-1(0-5)DUP

Manual Integrations
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Quant Time: Dec 12 01:00:44 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	54479	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	205535	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	88634	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	139380	20.00	ng	0.00
75) Chrysene-d12	14.02	240	113465	20.00	ng	0.01
86) Perylene-d12	15.50	264	90319	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	168694	51.17	ng	0.00
7) Phenol-d6	6.46	99	205149	51.25	ng	0.00
23) Nitrobenzene-d5	7.39	82	122024	35.42	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	36698	34.47	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	266473	41.13	ng	0.00
78) Terphenyl-d14	12.94	244	187268	36.10	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.58	163	22398	3.133	ng	99
70) Phenanthrene	11.39	178	94393	12.298	ng	97
71) Anthracene	11.44	178	23206	2.987	ng	99
74) Fluoranthene	12.58	202	159472	18.743	ng	95
77) Pyrene	12.81	202	153865	19.652	ng	99
80) Benzo(a)anthracene	14.00	228	84637	11.814	ng	98
82) Chrysene	14.04	228	76368	11.478	ng	96
87) Benzo(b)fluoranthene	15.07	252	79710m	14.734	ng	
88) Benzo(k)fluoranthene	15.09	252	23828m	4.471	ng	
89) Benzo(a)pyrene	15.44	252	54363	11.053	ng	# 91
91) Benzo(g,h,i)perylene	17.46	276	28342	6.936	ng	# 91

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

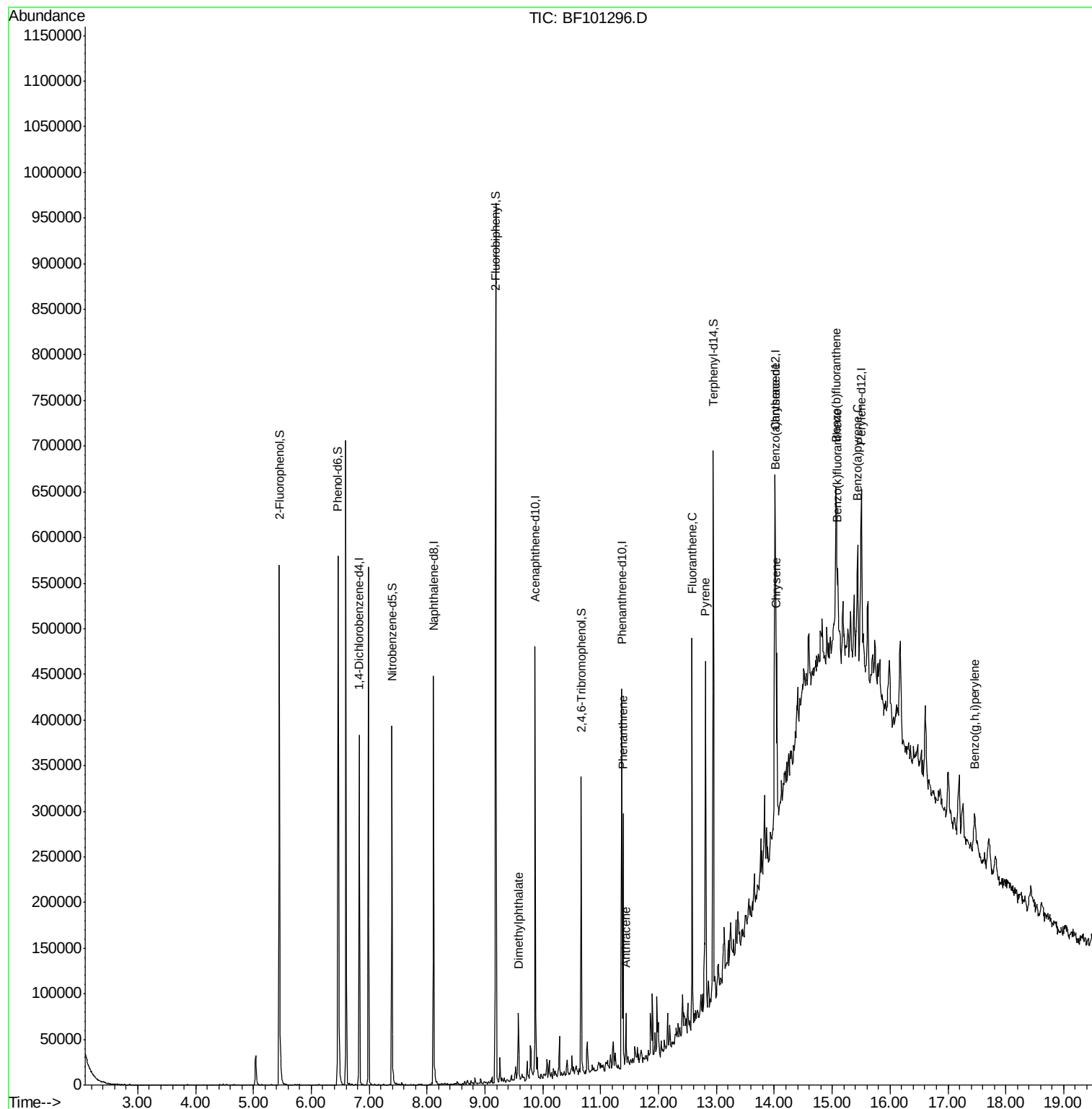
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

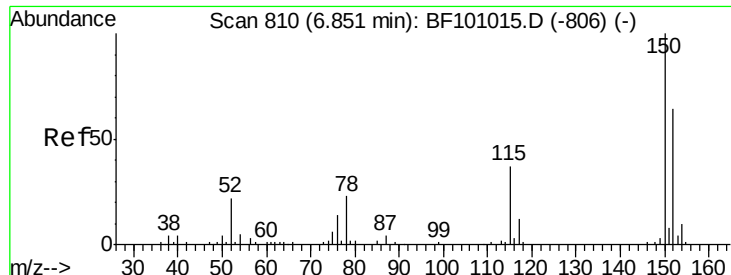
Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

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#1

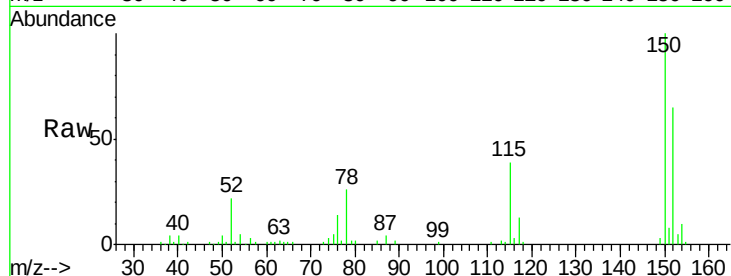
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

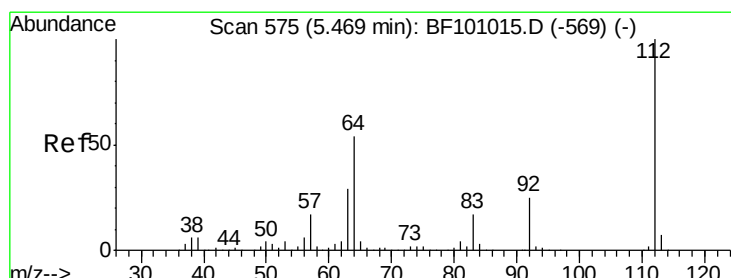
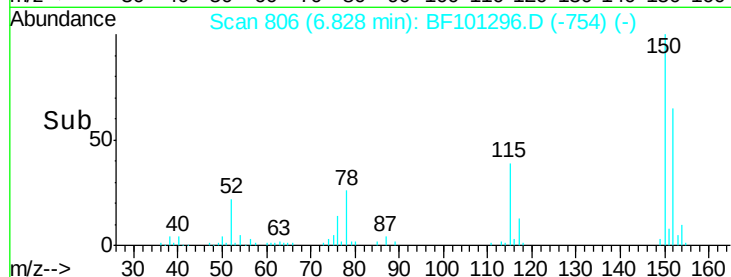
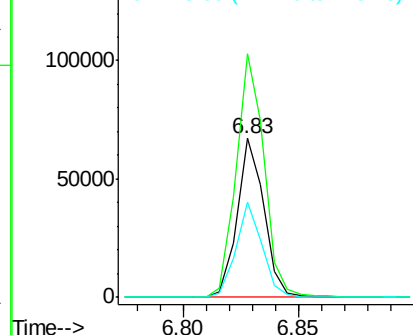
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	59.7	50.1	75.1

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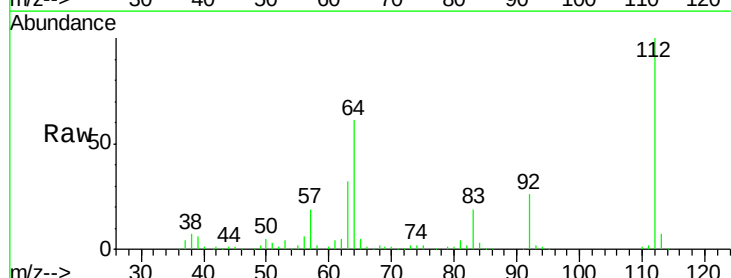
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



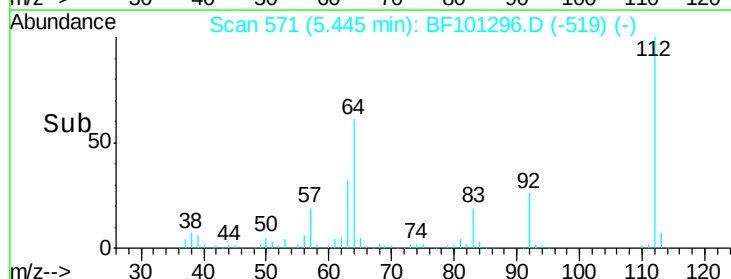
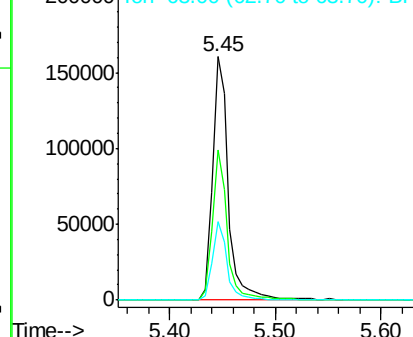
#5

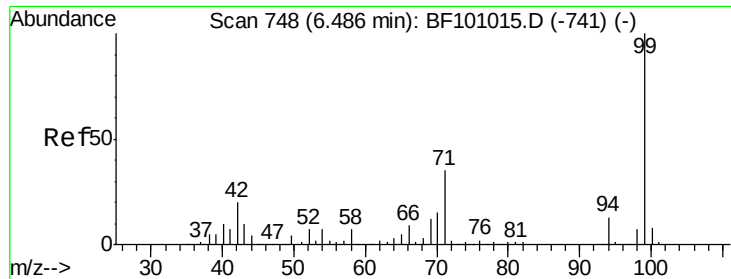
2-Fluorophenol
Concen: 51.168 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.9	71.9
63	32.0	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: 51.252 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Instrument :

BNA_F

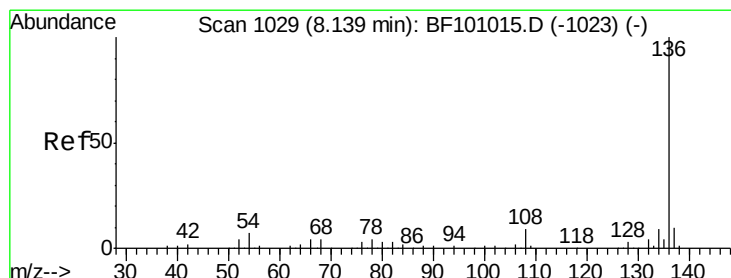
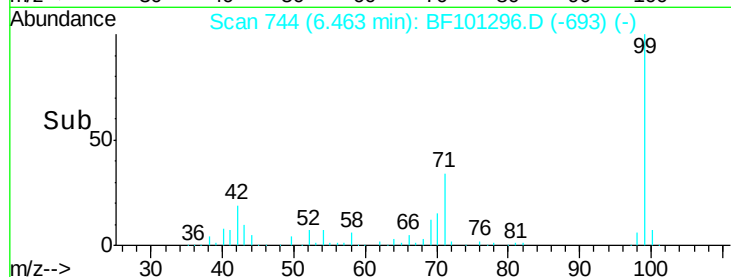
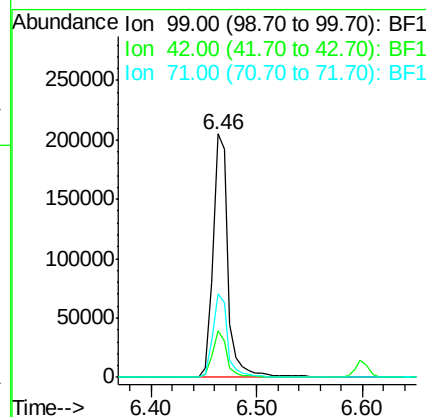
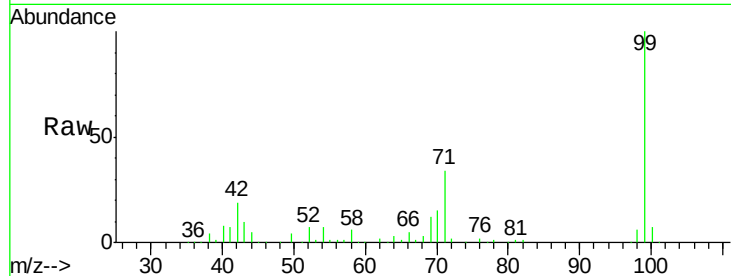
ClientSampleId :

ENV-103-1(0-5)DUP

Tot Ion:	99	Resp:	205149
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.5	21.7
71	34.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

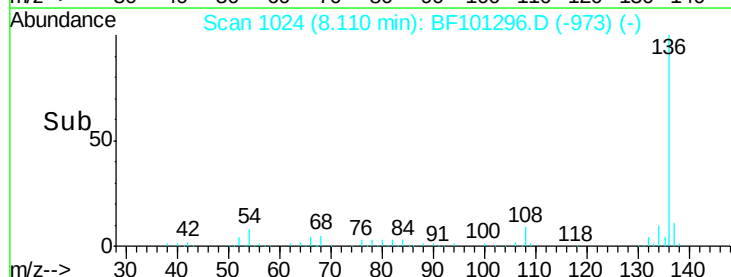
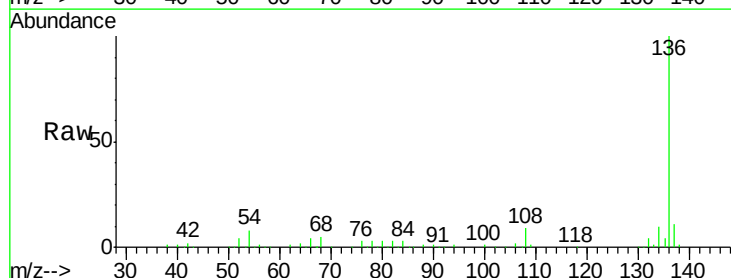
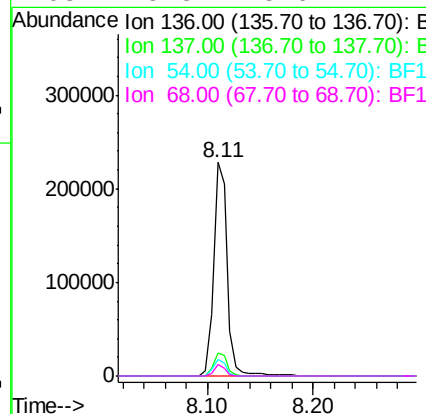
RT: 8.11 min Scan# 1024

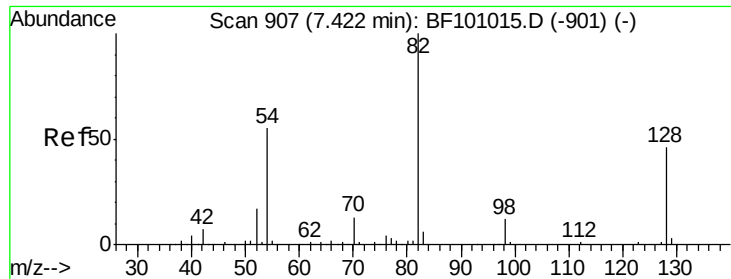
Delta R.T. -0.00 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Tgt Ion:	136	Resp:	205535
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.9	6.6	9.8
68	5.3	5.0	7.4





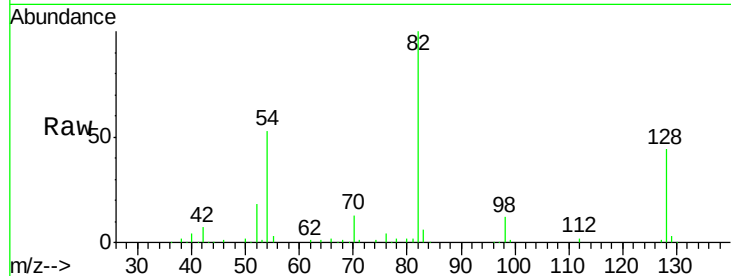
#23
 Nitrobenzene-d5
 Concen: 35.415 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF101296.D
 Acq: 11 Dec 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-1(0-5)DUP

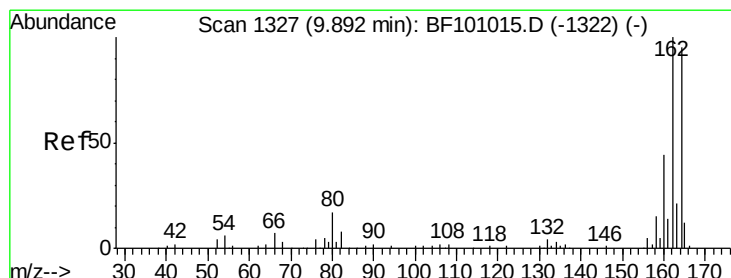
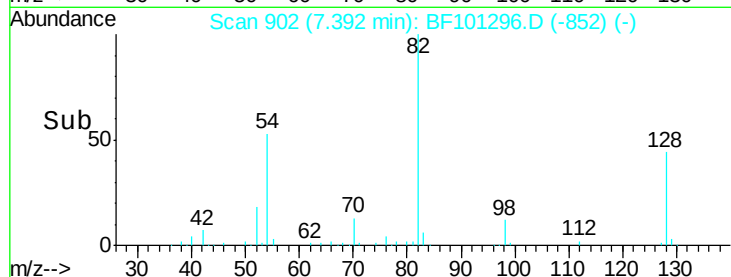
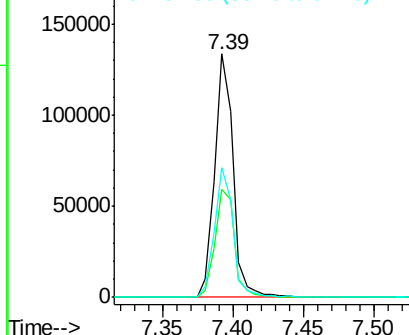
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	53.1	41.4	62.2

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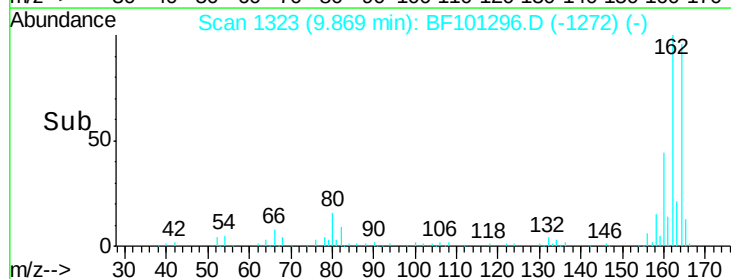
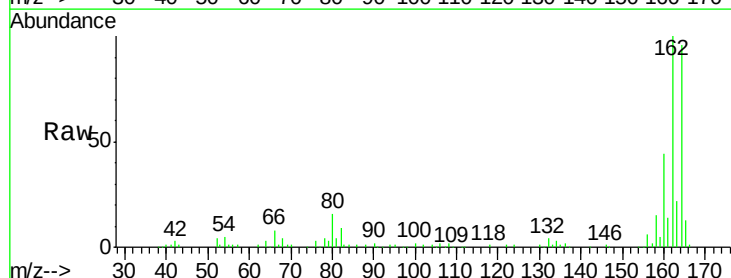
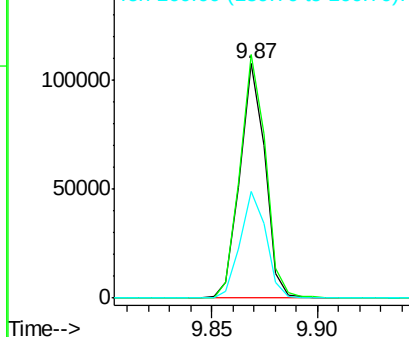
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

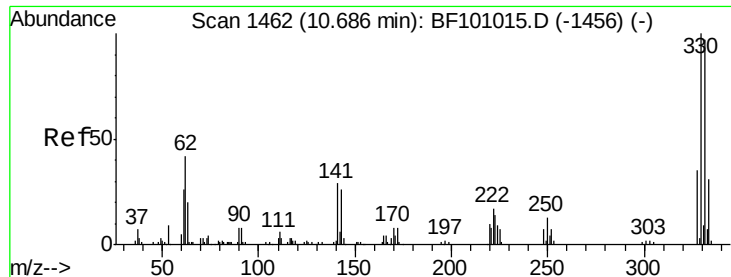


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF101296.D
 Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	45.5	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 34.466 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Instrument :

BNA_F

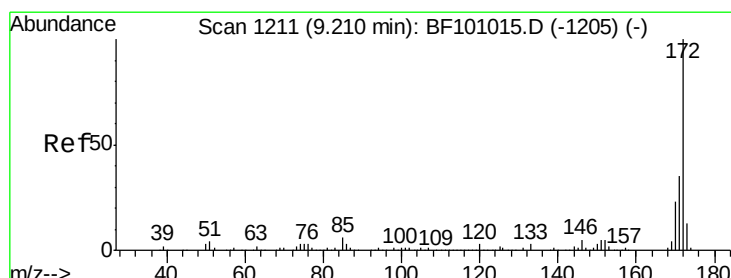
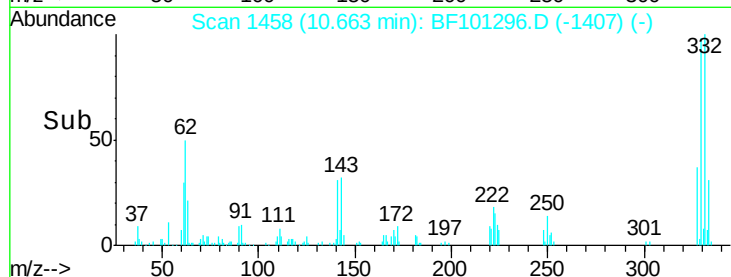
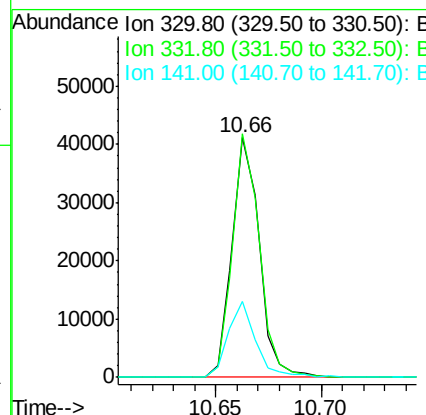
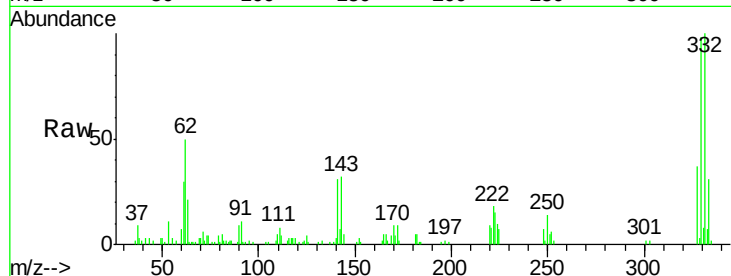
ClientSampleId :

ENV-103-1(0-5)DUP

Tot Ion:	330	Resp:	36698
Ion Ratio	Lower	Upper	
330	100		
332	99.7	77.0	115.6
141	32.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 41.134 ng

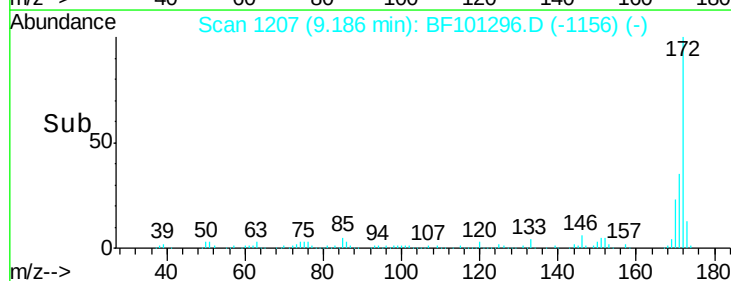
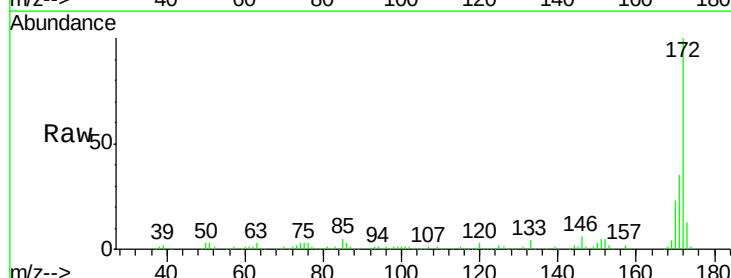
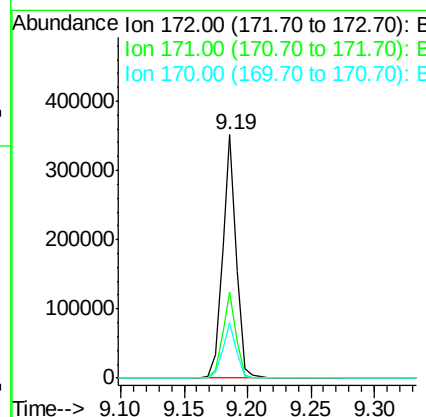
RT: 9.19 min Scan# 1207

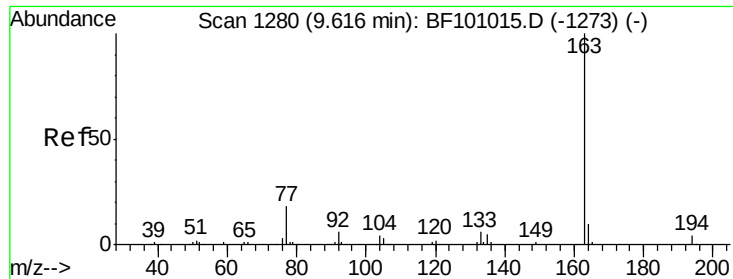
Delta R.T. -0.00 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Tgt Ion:	172	Resp:	266473
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	22.7	19.6	29.4





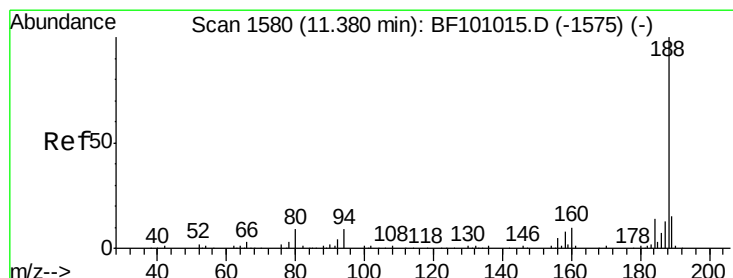
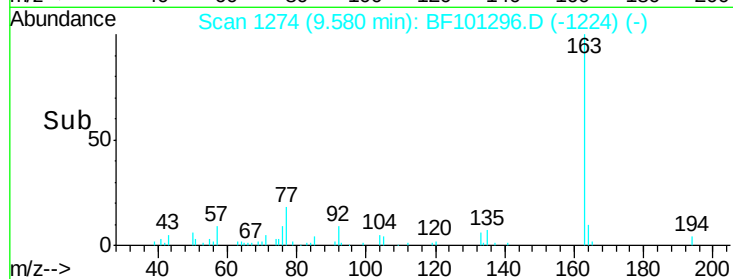
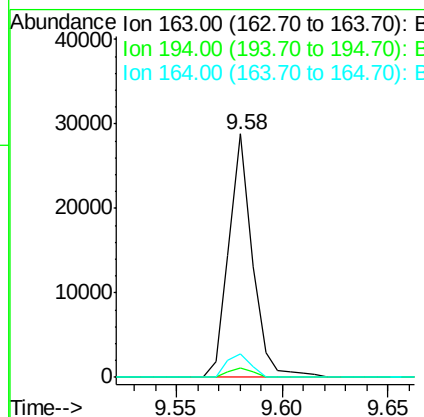
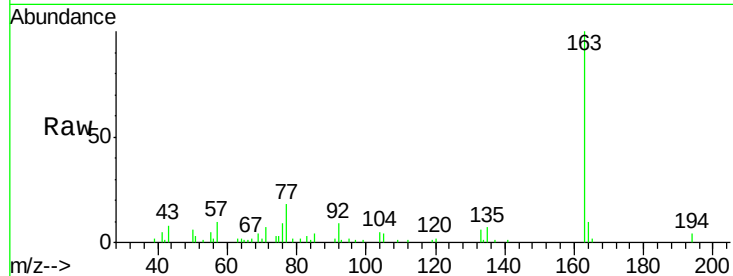
#49
Dimethylphthalate
Concen: 3.133 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.9	8.2	12.2

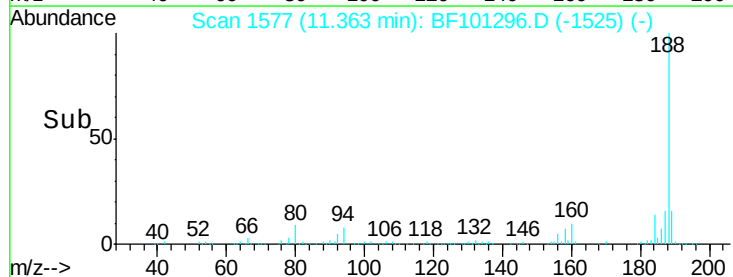
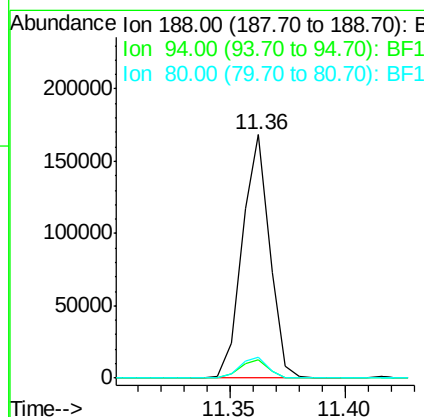
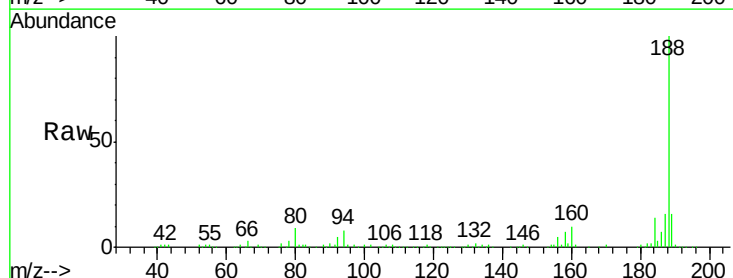
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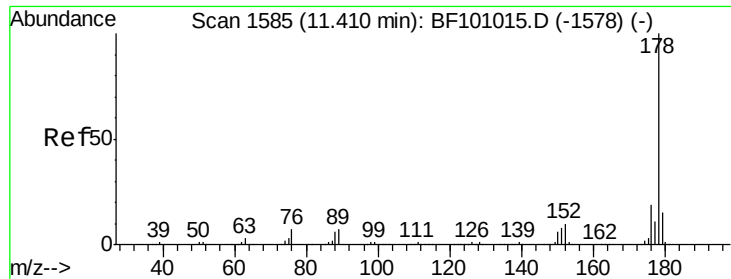
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.8	9.2	13.8#





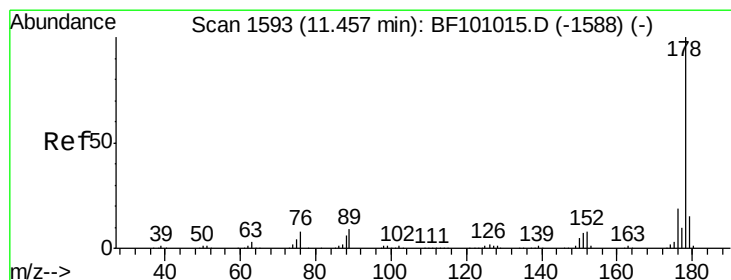
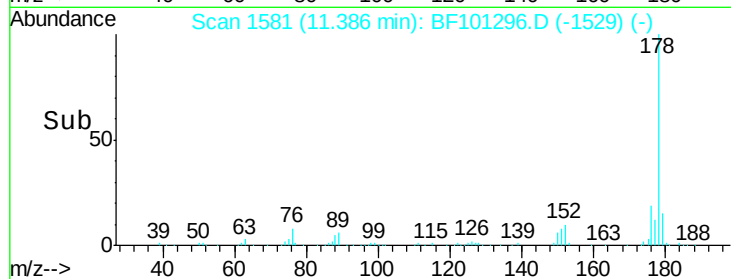
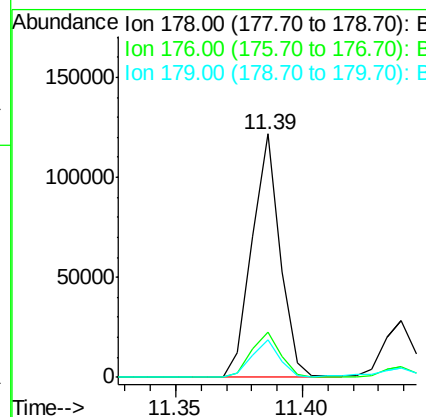
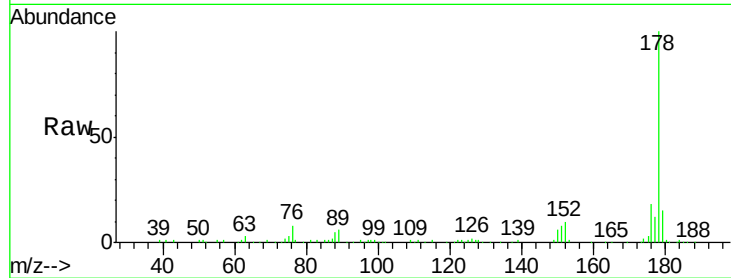
#70
 Phenanthrene
 Concen: 12.298 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101296.D
 Acq: 11 Dec 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.3	13.0	19.6

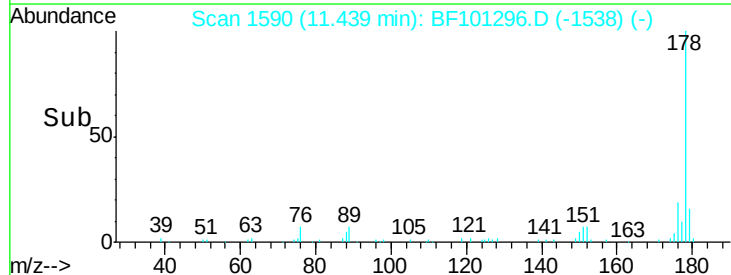
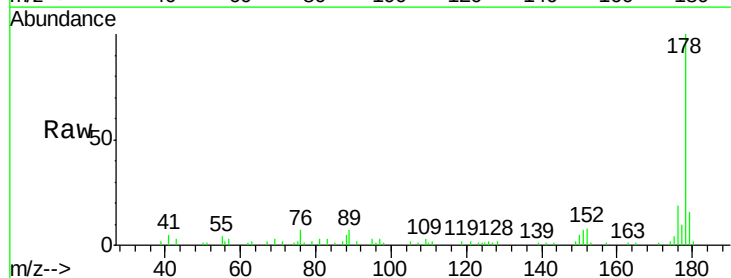
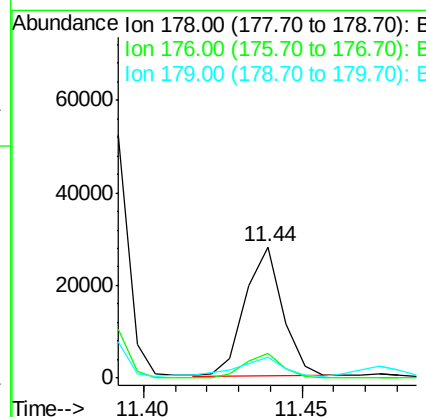
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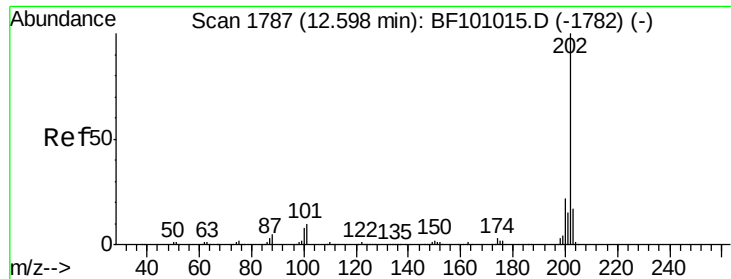
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#71
 Anthracene
 Concen: 2.987 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF101296.D
 Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 18.743 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Instrument :

BNA_F

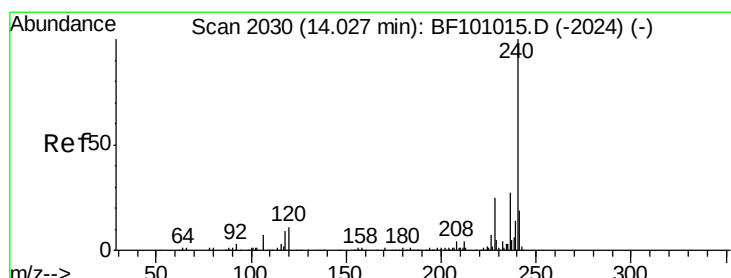
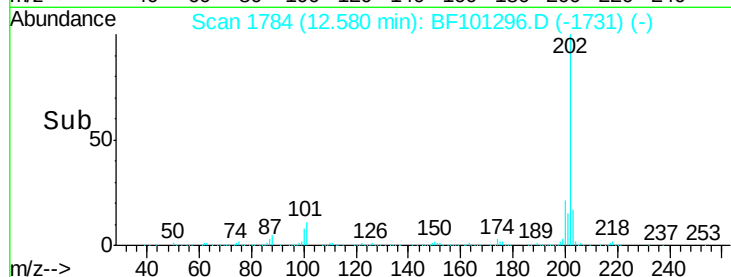
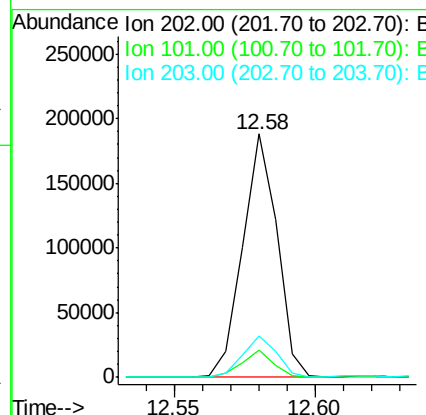
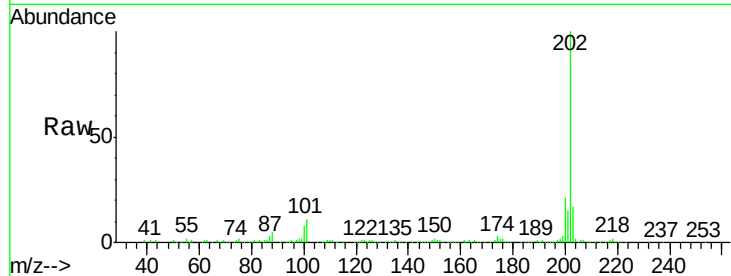
ClientSampleId :

ENV-103-1(0-5)DUP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		159472		
101	11.2	0.0	34.1		
203	16.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

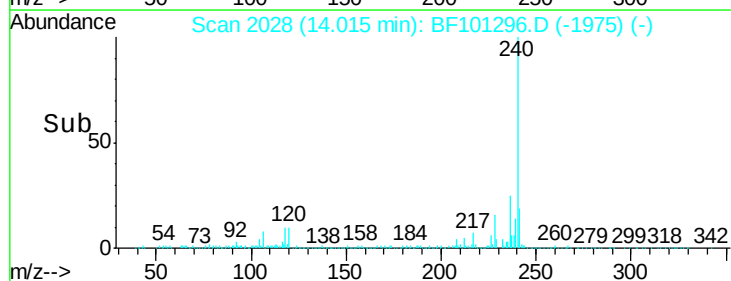
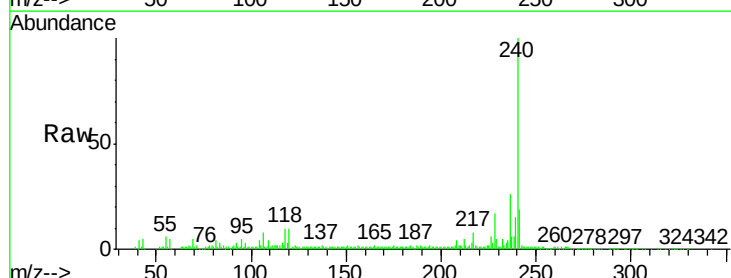
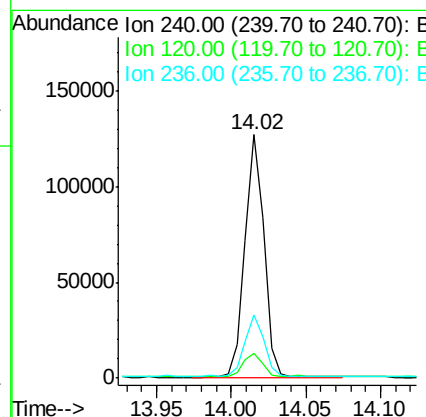
RT: 14.02 min Scan# 2028

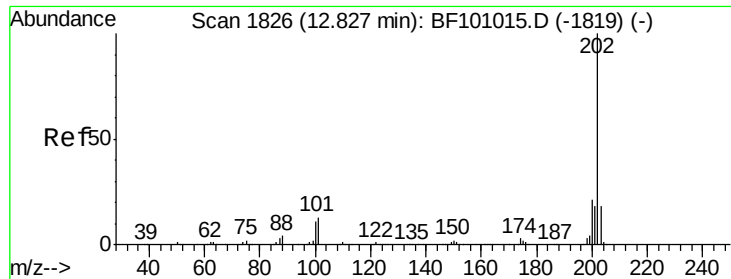
Delta R.T. 0.01 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		113465		
120	10.2	9.5	14.3		
236	25.8	20.7	31.1		





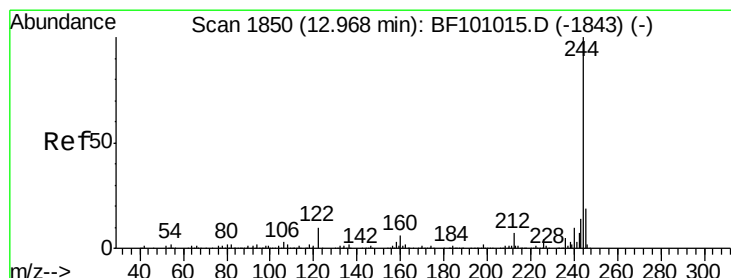
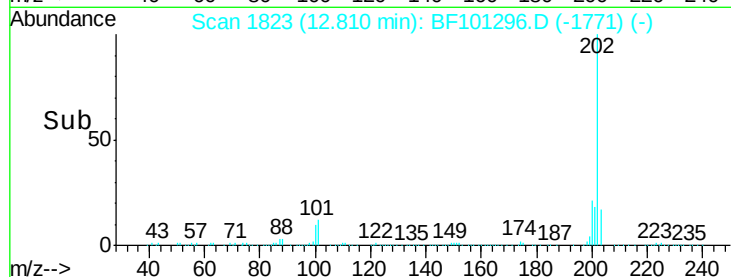
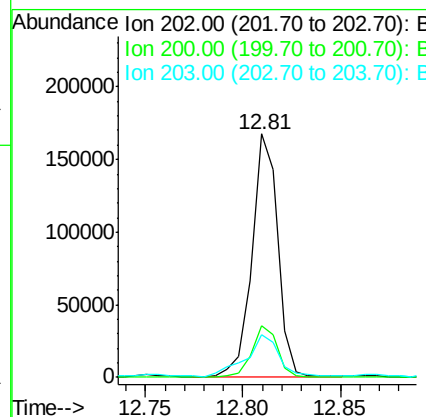
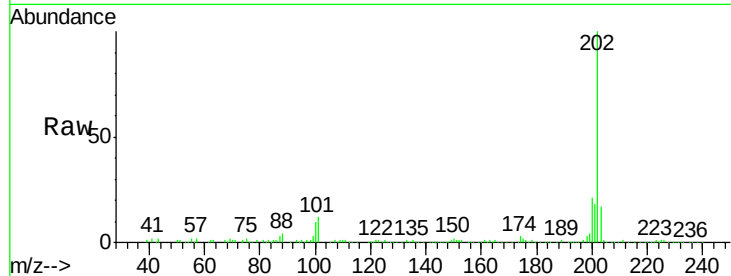
#77
Pvrene
Concen: 19.652 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.5	14.3	21.5

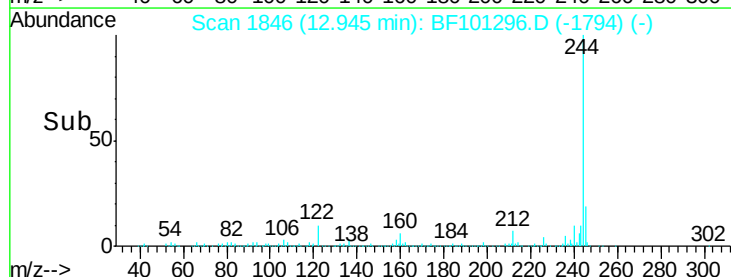
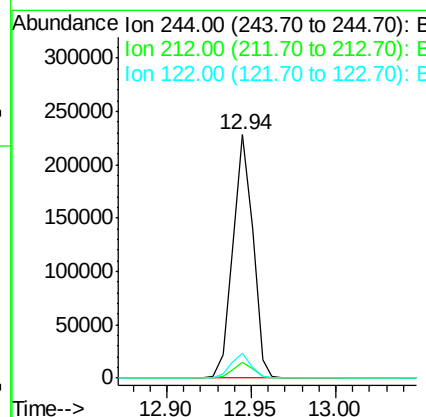
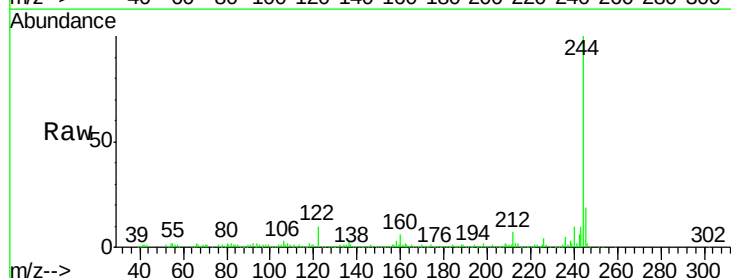
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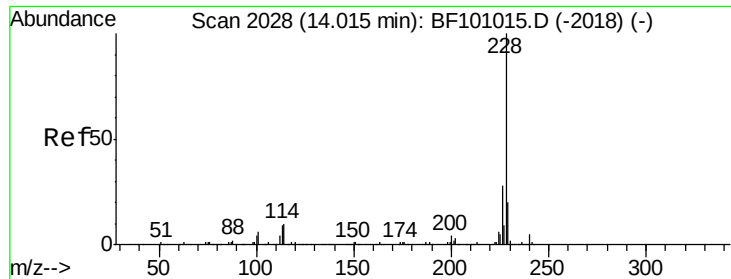
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#78
Terphenyl-d14
Concen: 36.100 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.2	11.0	16.4#





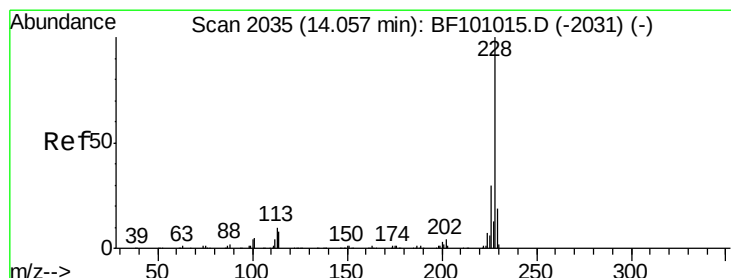
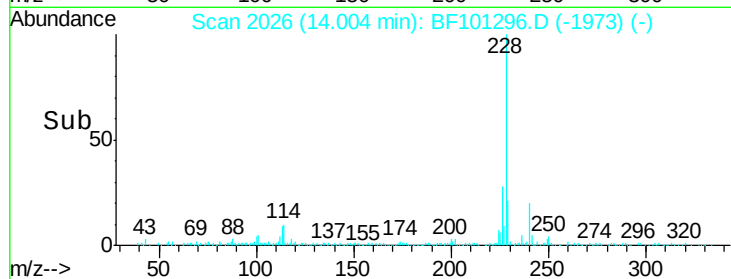
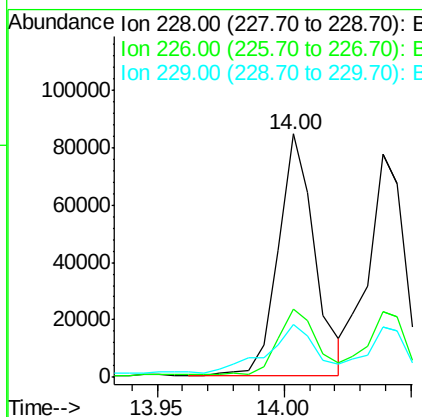
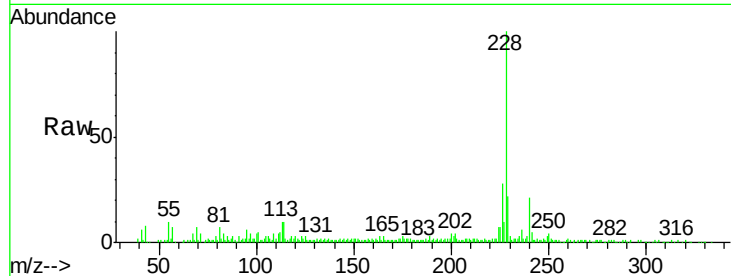
#80
Benzo(a)anthracene
Concen: 11.814 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	21.9	15.8	23.6

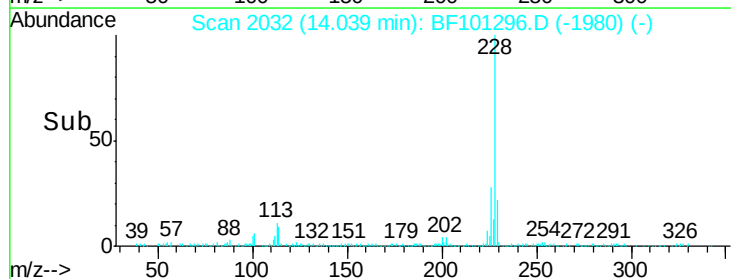
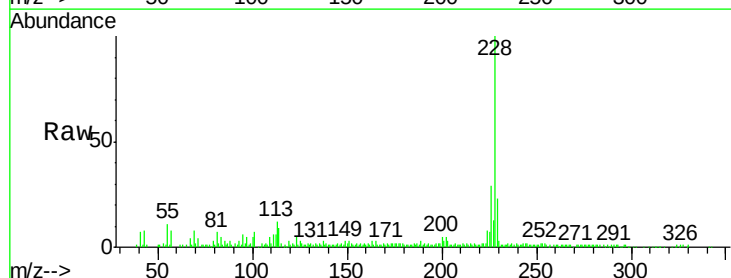
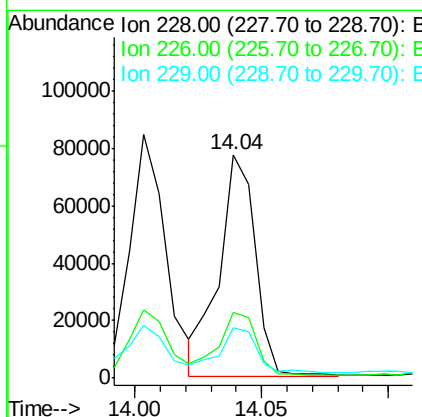
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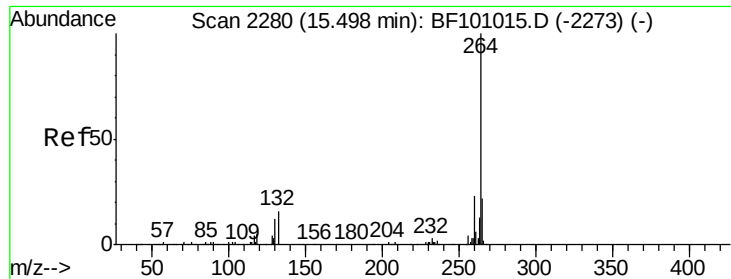
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#82
Chrysene
Concen: 11.478 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	22.5	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.04 min

Lab File: BF101296.D

Acq: 11 Dec 2017 18:16

Instrument :

BNA_F

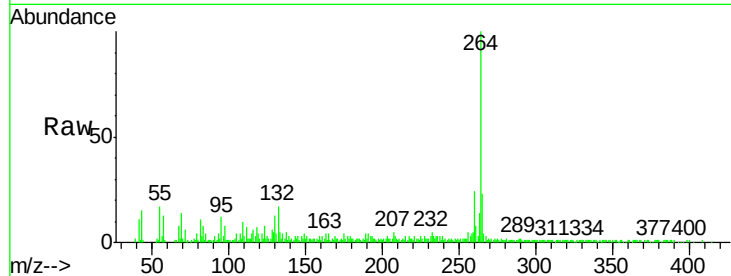
ClientSampleId :

ENV-103-1(0-5)DUP

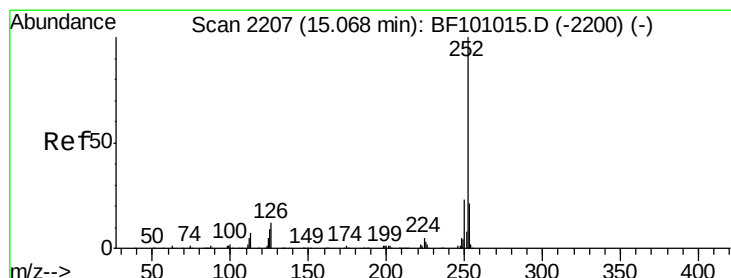
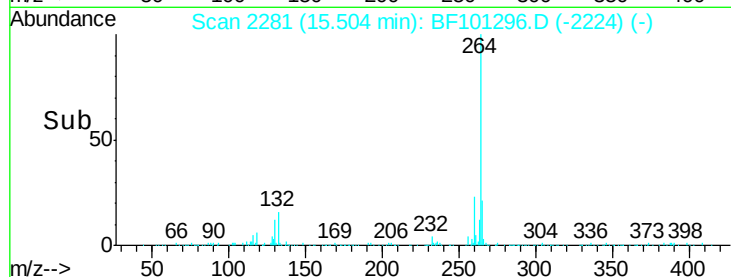
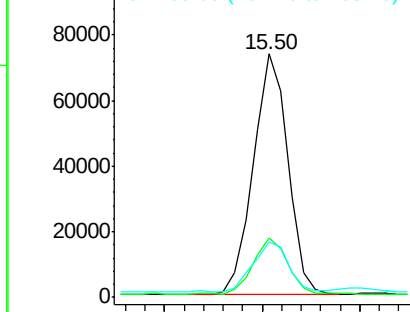
Tot Ion:	264	Resp:	90319
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.9	17.5	26.3

Manual Integrations
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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: 14.734 ng m

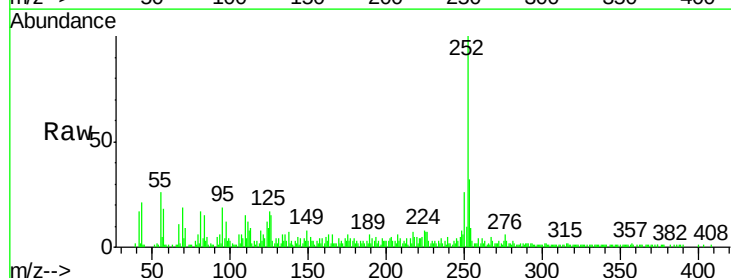
RT: 15.07 min Scan# 2207

Delta R.T. 0.03 min

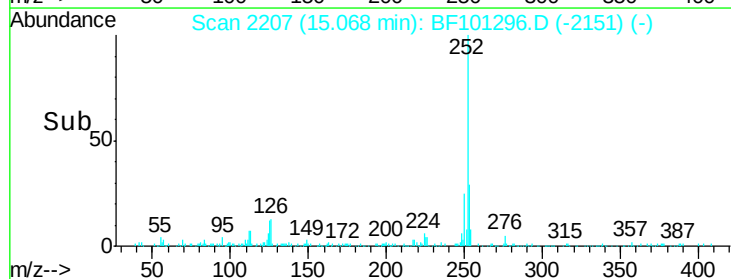
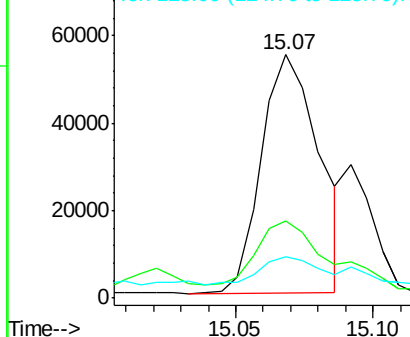
Lab File: BF101296.D

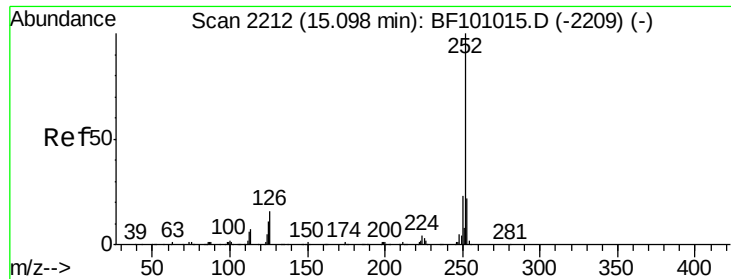
Acq: 11 Dec 2017 18:16

Tgt Ion:	252	Resp:	79710
Ion Ratio		Lower	Upper
252	100		
253	31.7	17.0	25.6#
125	17.1	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





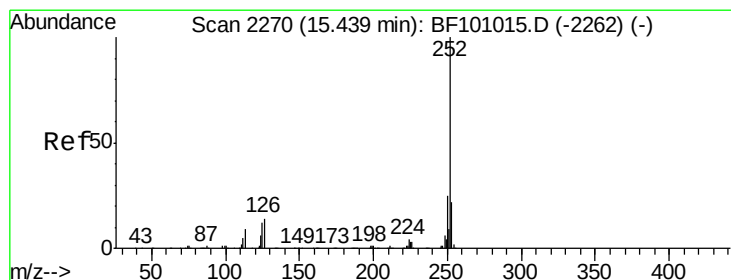
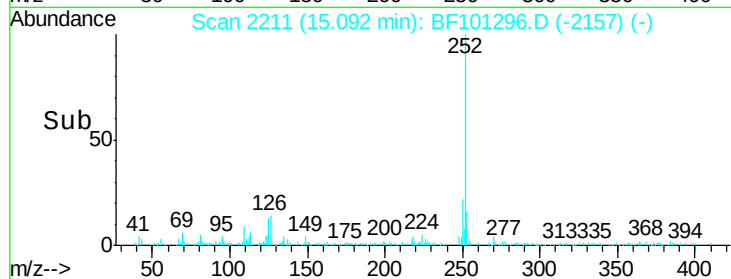
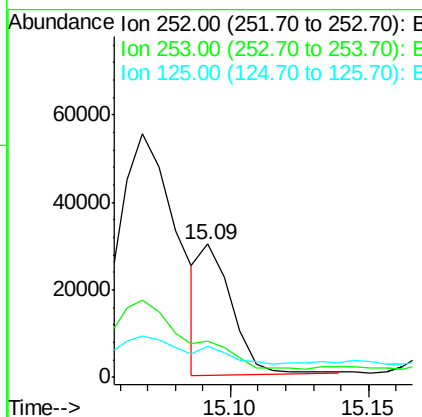
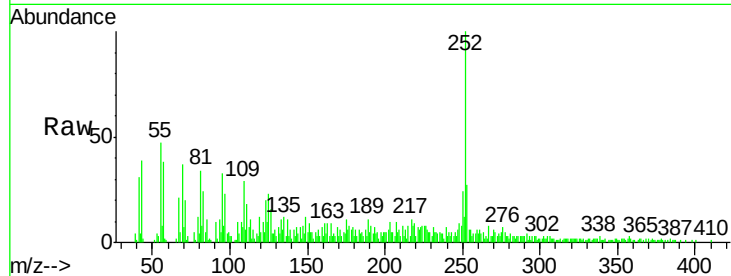
#88
Benzo(k)fluoranthene
Concen: 4.471 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.02 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.9	26.9#
125	23.3	10.2	15.2#

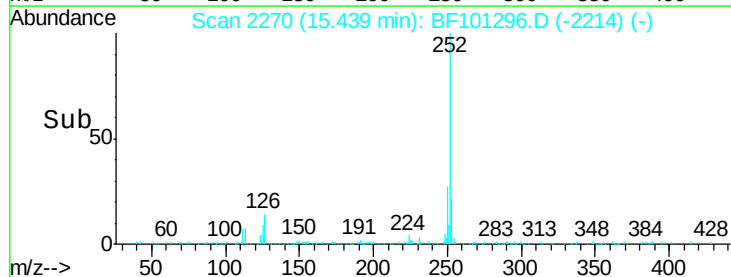
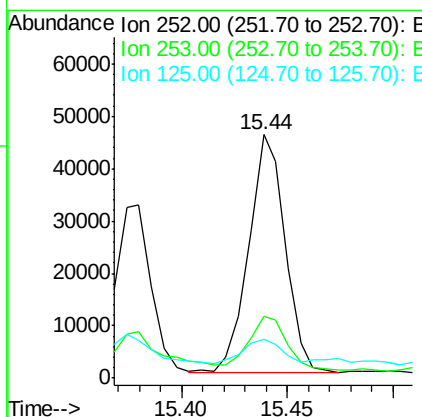
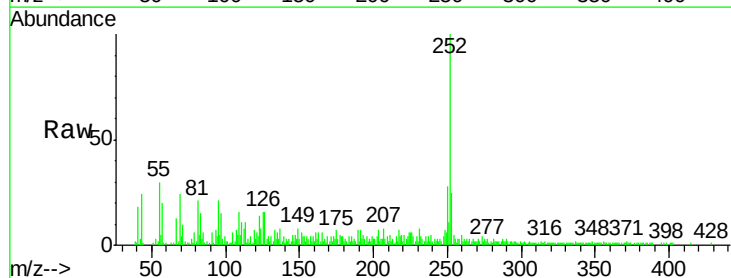
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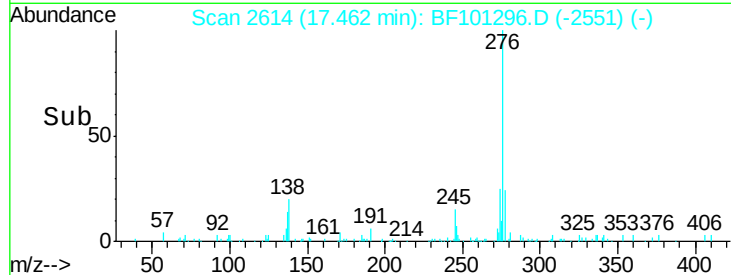
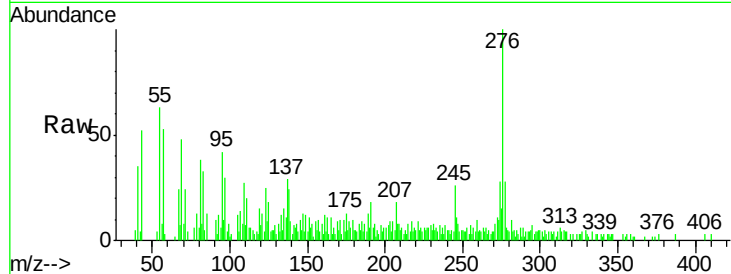
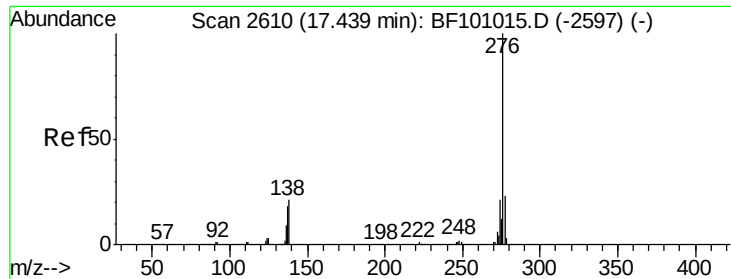
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#89
Benzo(a)pyrene
Concen: 11.053 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.03 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	16.1	9.8	14.6#





#91
Benzo(a,h,i)perylene
Concen: 6.936 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.07 min
Lab File: BF101296.D
Acq: 11 Dec 2017 18:16

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	23.6	21.8	32.8

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

Manual Integrations
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