

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101288.D
 Acq On : 11 Dec 2017 14:42
 Operator : SJ/JU
 Sample : I6746-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Dec 11 17:05:00 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	51058	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	204773	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	96871	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	191929	20.00	ng	0.00
75) Chrysene-d12	14.01	240	143993	20.00	ng	0.00
86) Perylene-d12	15.49	264	103258	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	68029	22.02	ng	0.00
7) Phenol-d6	6.46	99	87091	23.22	ng	0.00
23) Nitrobenzene-d5	7.39	82	52772	15.37	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	21679	18.63	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	125760	17.76	ng	0.00
78) Terphenyl-d14	12.94	244	129061	19.60	ng	0.00
Target Compounds						
74) Fluoranthene	12.57	202	37568	3.207	ng	Qvalue 95
77) Pyrene	12.81	202	38548	3.880	ng	98
80) Benzo(a)anthracene	14.00	228	32593	3.585	ng	98
82) Chrysene	14.03	228	26569	3.147	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	16280	2.169	ng	# 87
87) Benzo(b)fluoranthene	15.05	252	29927m	4.839	ng	
89) Benzo(a)pyrene	15.42	252	25748	4.579	ng	98
91) Benzo(g,h,i)perylene	17.42	276	14739	3.155	ng	# 88

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

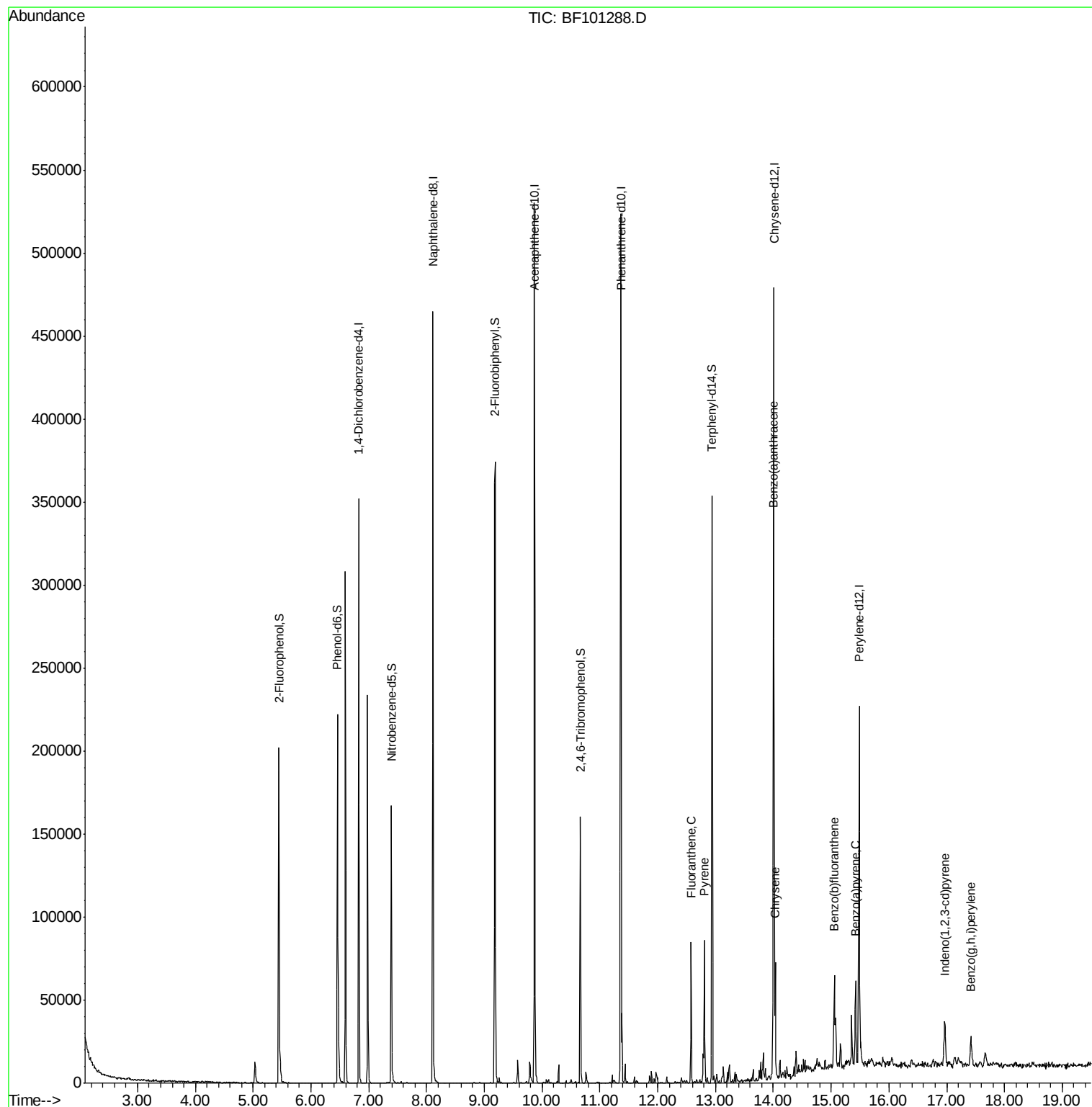
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101288.D
Acq On : 11 Dec 2017 14:42
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Sample : I6746-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

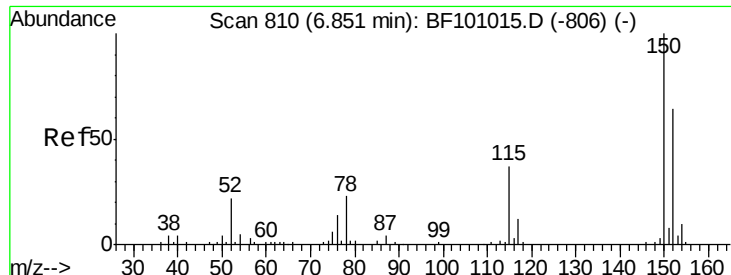
Instrument :
BNA_F
ClientSampleId :
ENV-109-4(5-10)

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Quant Time: Dec 11 17:05:00 2017
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#1

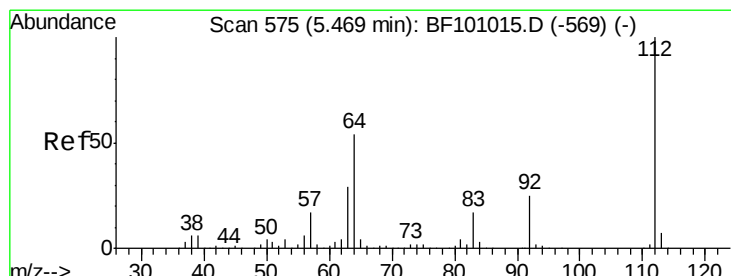
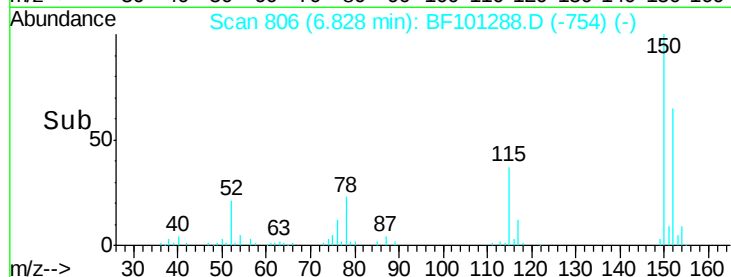
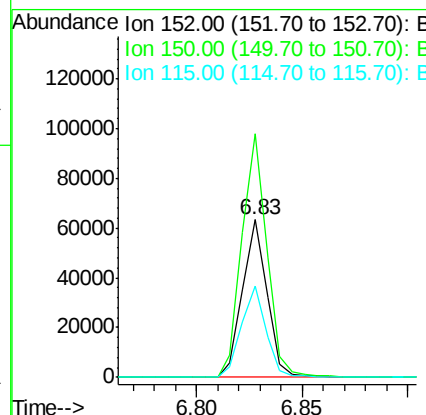
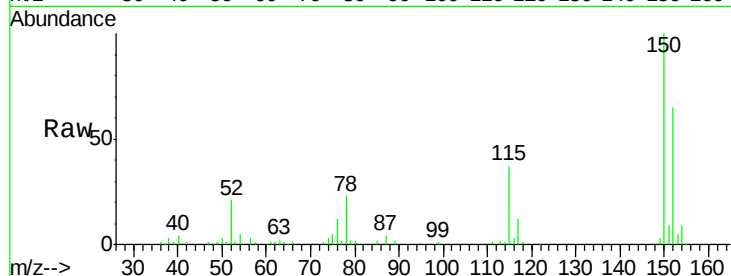
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	57.6	50.1	75.1

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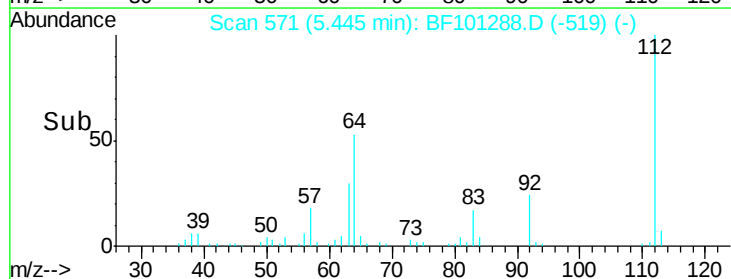
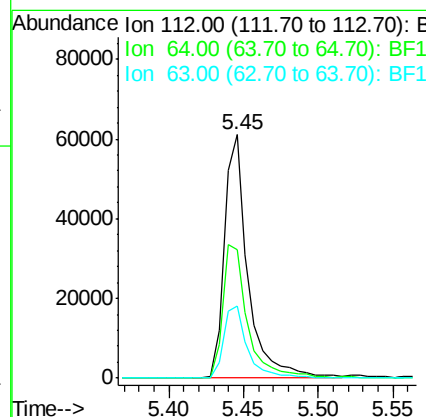
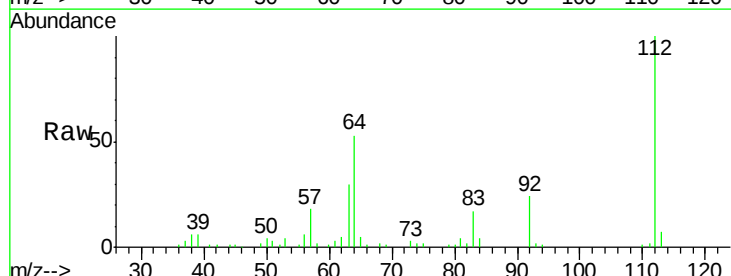
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#5

2-Fluorophenol
Concen: 22.017 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.9	71.9
63	29.5	23.7	35.5





#7

Phenol-d6

Concen: 23.216 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Instrument :

BNA_F

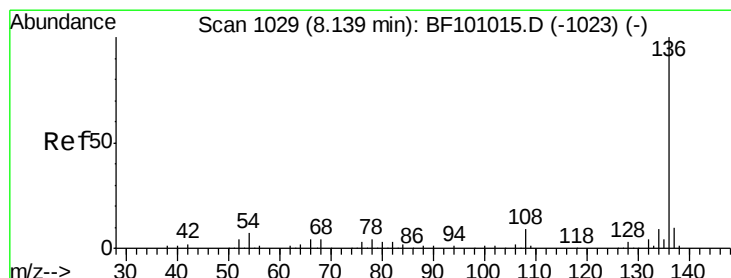
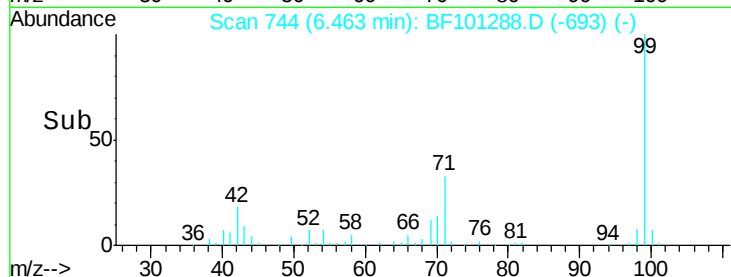
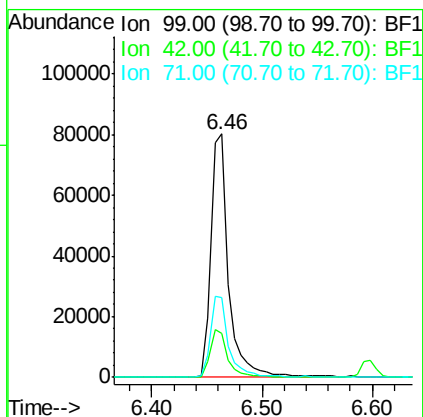
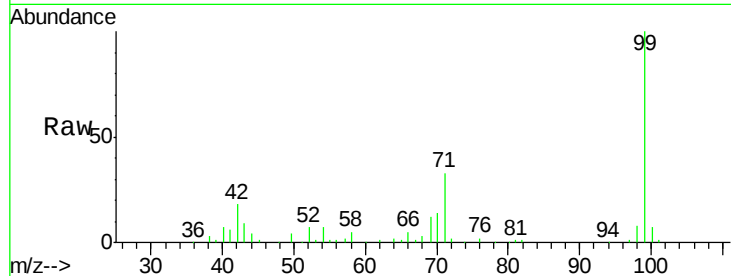
ClientSampleId :

ENV-109-4(5-10)

Tot Ion:	99	Resp:	87091
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.5	21.7
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

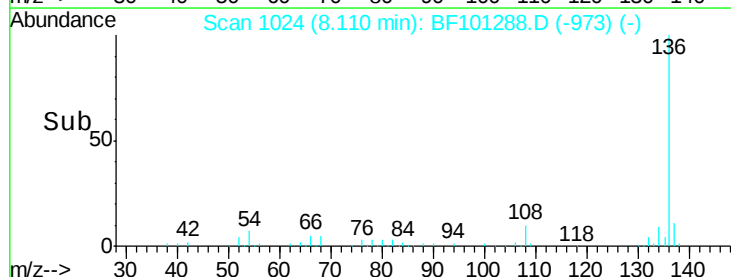
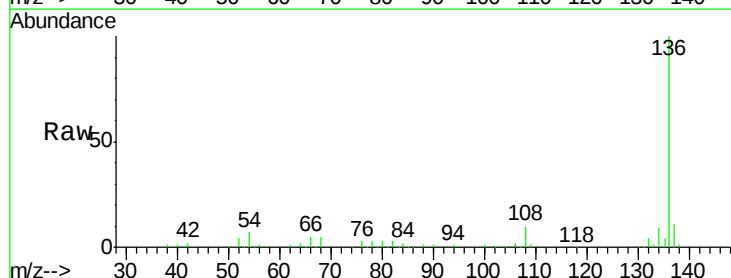
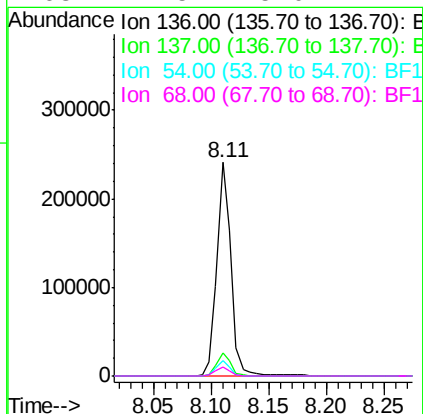
RT: 8.11 min Scan# 1024

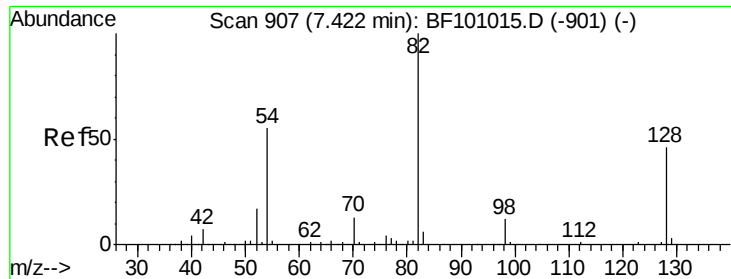
Delta R.T. -0.00 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Tgt Ion:	136	Resp:	204773
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.4	6.6	9.8
68	4.5	5.0	7.4#





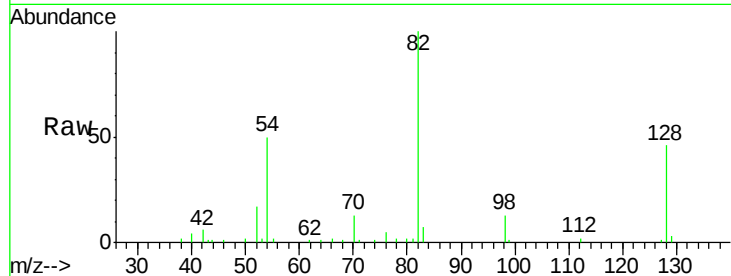
#23
 Nitrobenzene-d5
 Concen: 15.373 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

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

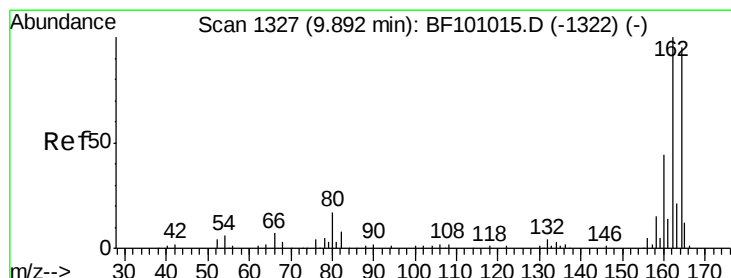
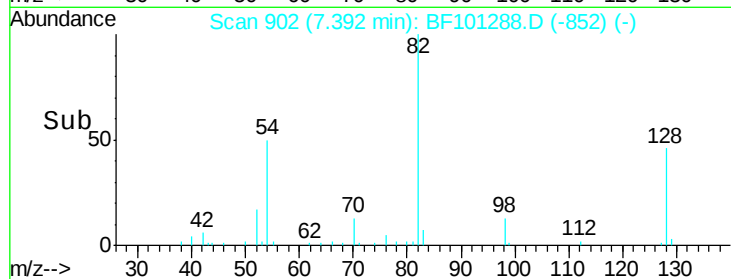
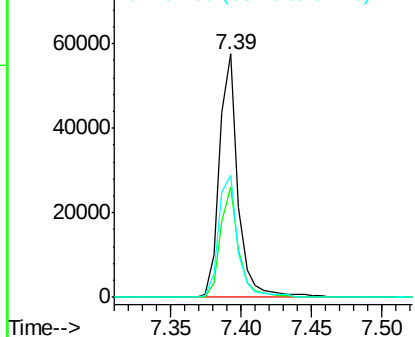
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	50.3	41.4	62.2

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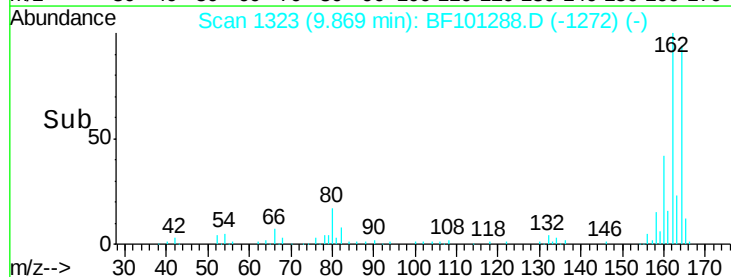
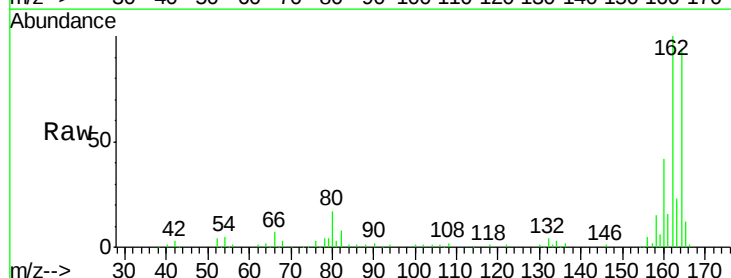
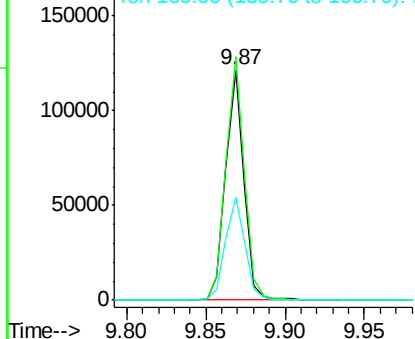
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

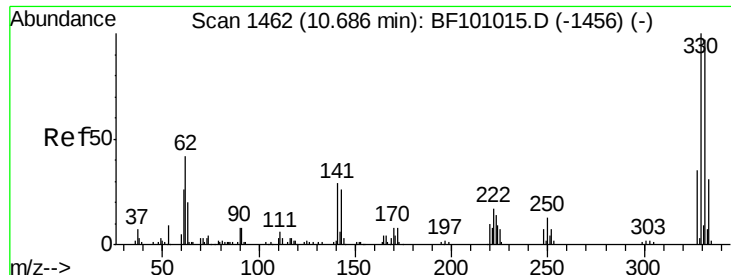


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	44.9	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





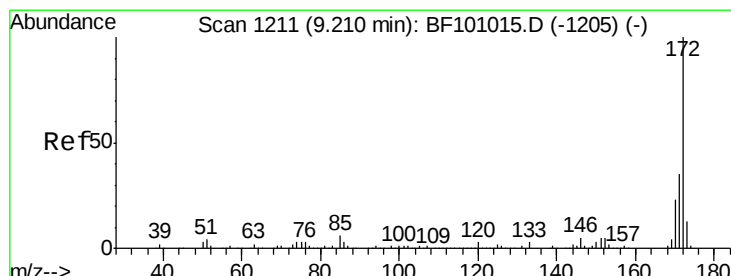
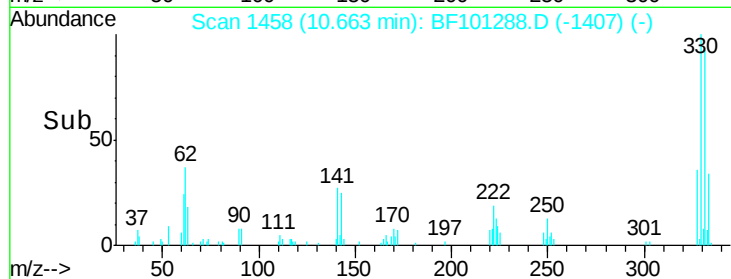
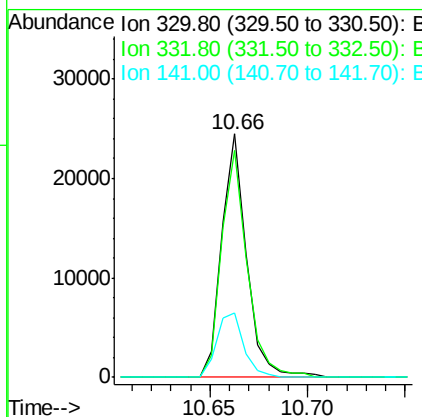
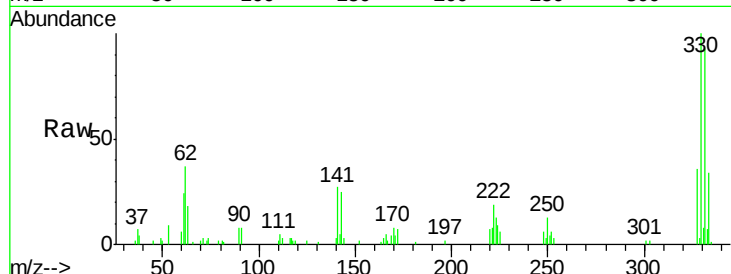
#41
 2,4,6-Tribromophenol
 Concen: 18.629 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	28.8	29.9	44.9#

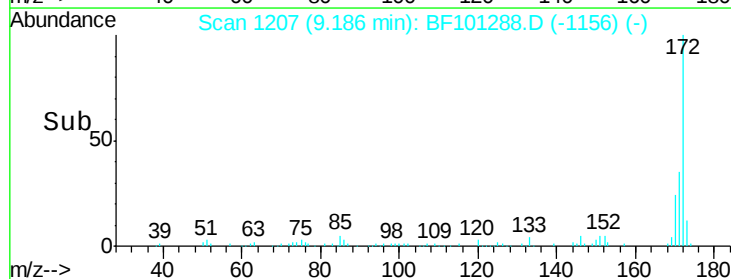
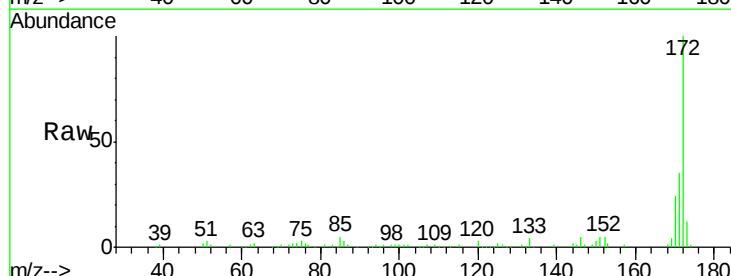
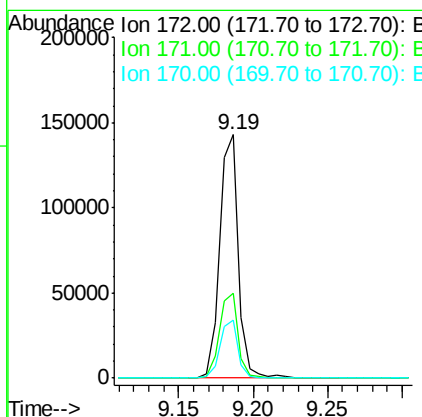
Manual Integrations
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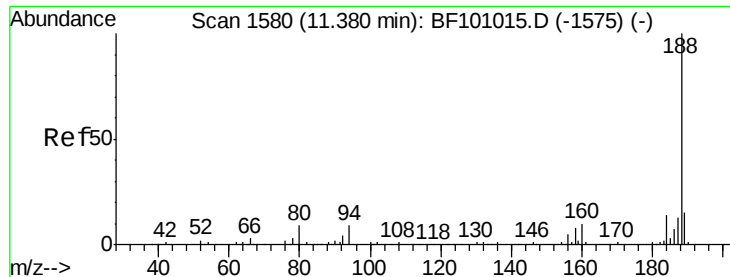
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#44
 2-Fluorobiphenyl
 Concen: 17.762 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.9	19.6	29.4





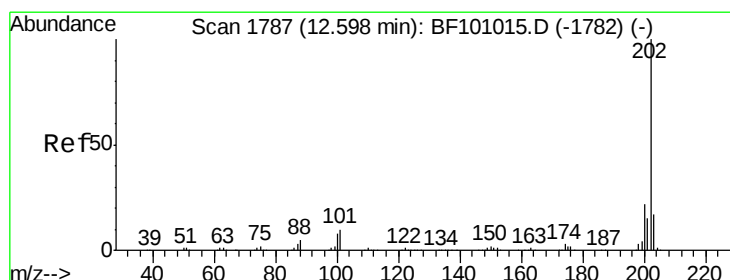
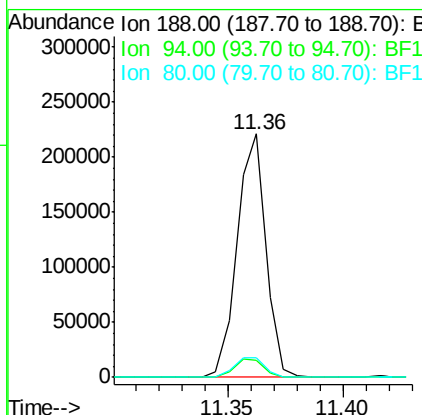
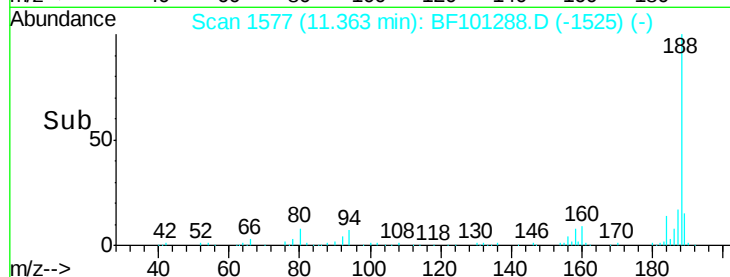
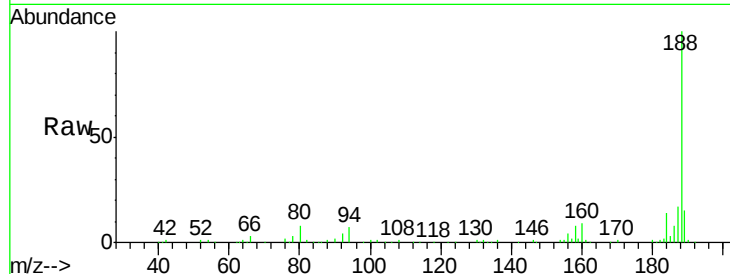
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.2	8.5	12.7#
80	7.9	9.2	13.8#

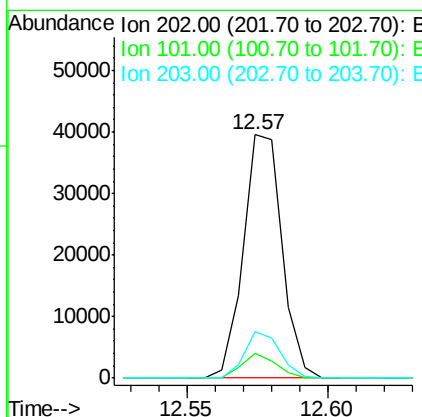
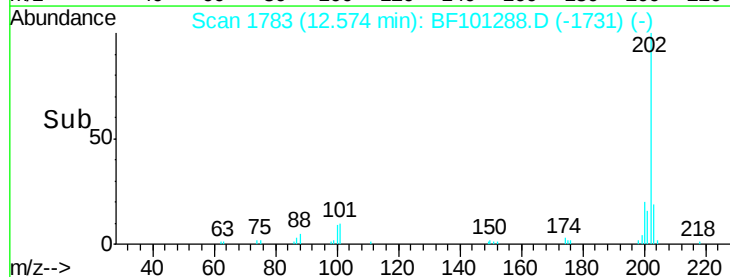
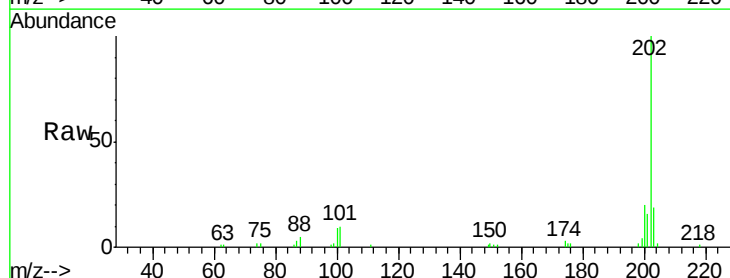
Manual Integrations
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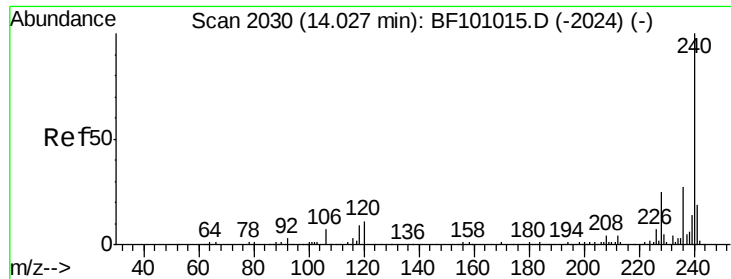
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#74
Fluoranthene
Concen: 3.207 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	34.1
203	19.0	0.0	38.1





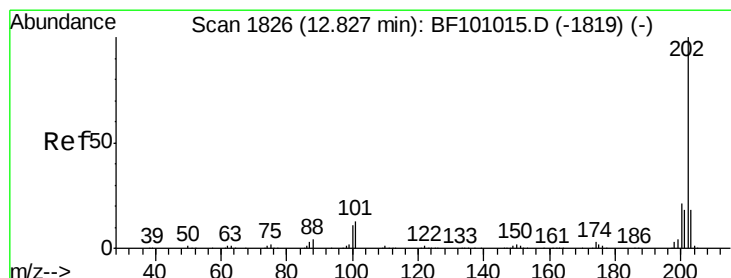
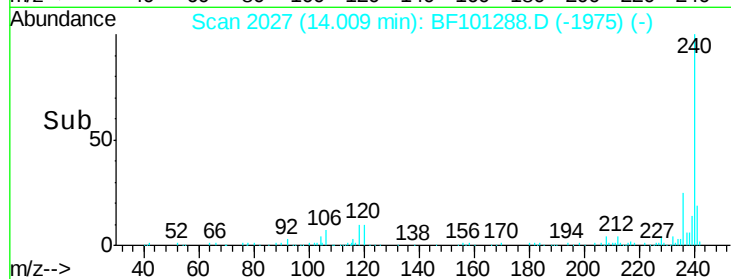
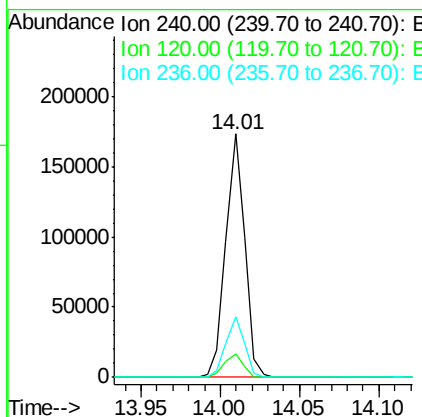
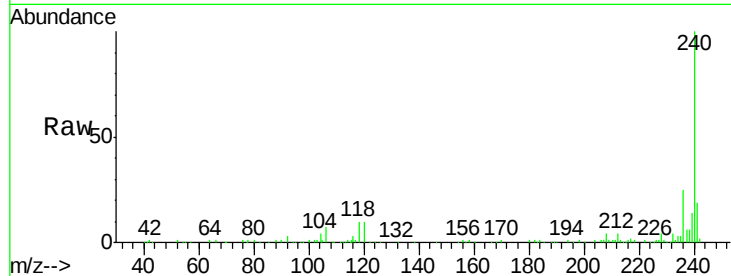
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.5	14.3
236	24.8	20.7	31.1

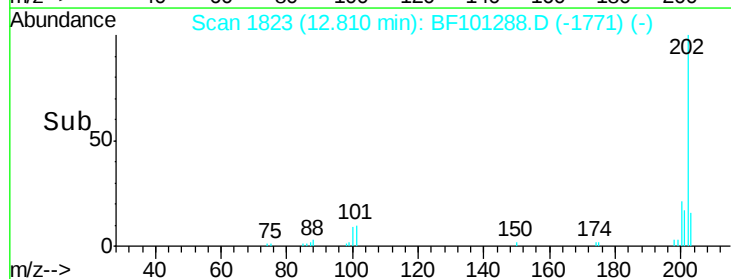
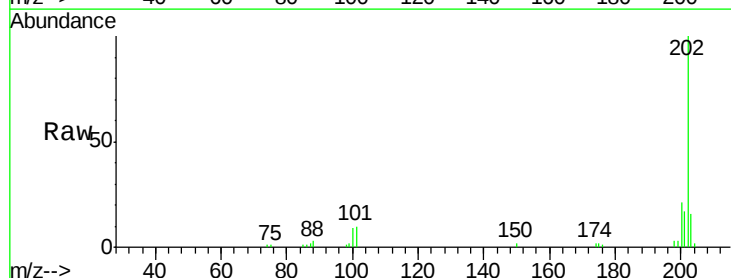
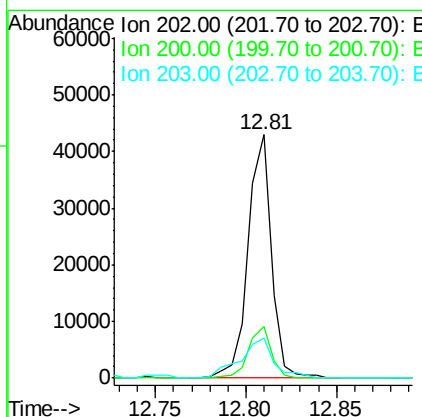
Manual Integrations
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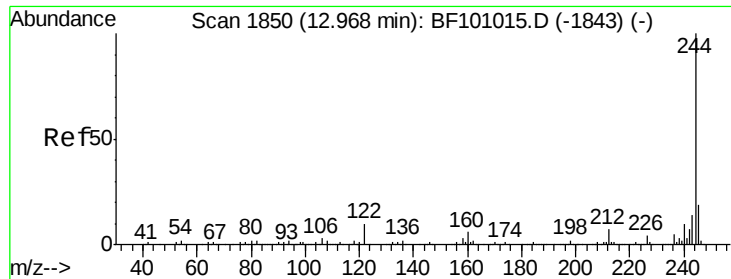
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#77
 Pyrene
 Concen: 3.880 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	16.5	14.3	21.5





#78

Terphenyl-d14

Concen: 19.604 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Instrument :

BNA_F

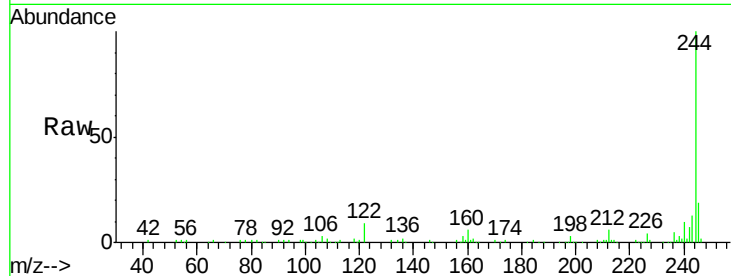
ClientSampleId :

ENV-109-4(5-10)

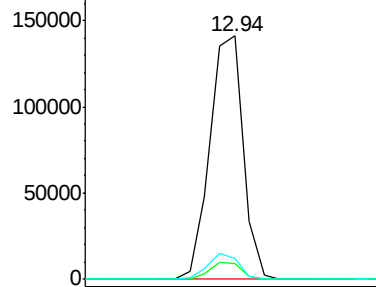
Tot Ion:	244	Resp:	129061
Ion Ratio	Lower	Upper	
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212	6.2	5.4	8.0
122	8.7	11.0	16.4

Manual Integrations
APPROVED

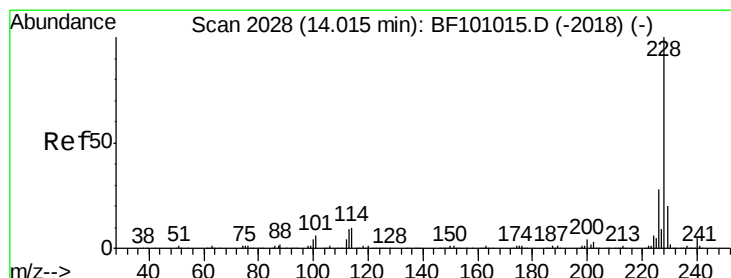
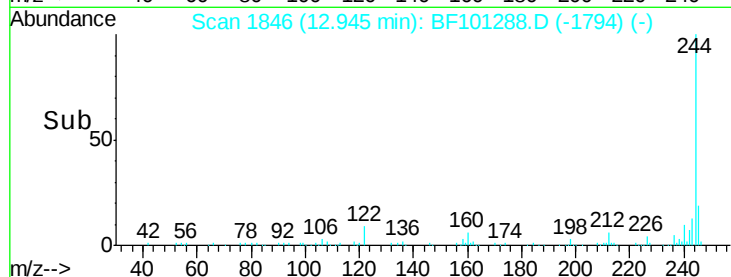
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 3.585 ng

RT: 14.00 min Scan# 2025

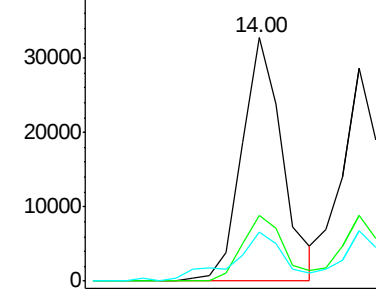
Delta R.T. 0.01 min

Lab File: BF101288.D

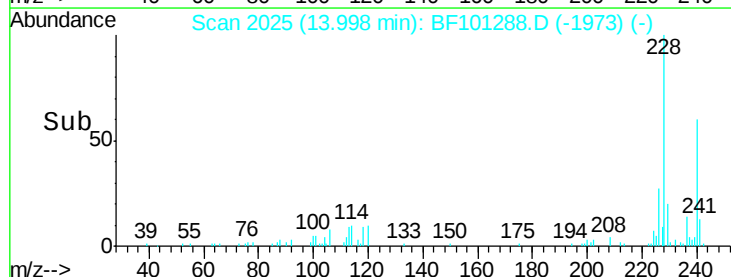
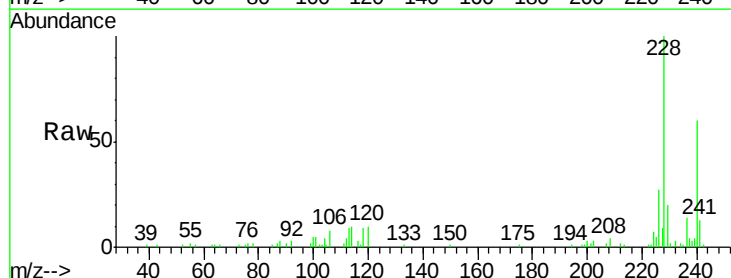
Acq: 11 Dec 2017 14:42

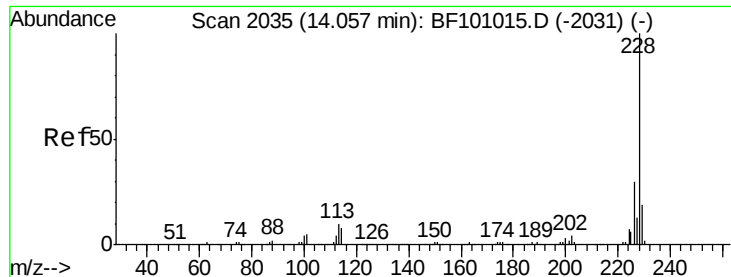
Tgt Ion:	228	Resp:	32593
Ion Ratio	Lower	Upper	
228	100		
226	26.7	22.6	33.8
229	20.0	15.8	23.6

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



Time-->





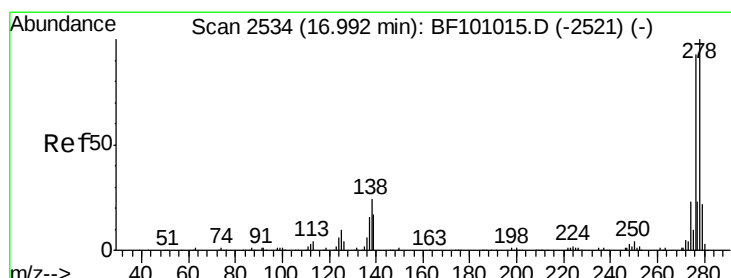
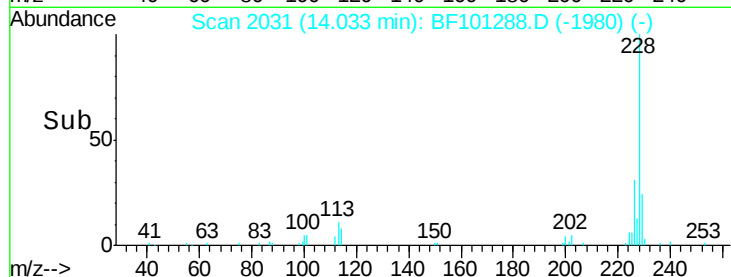
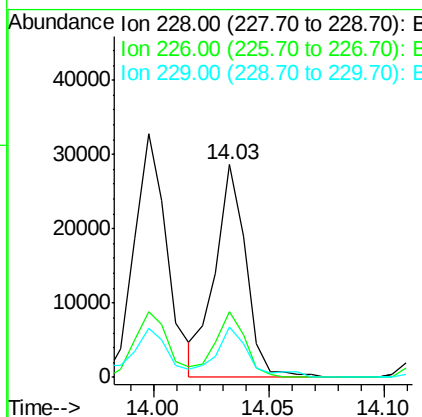
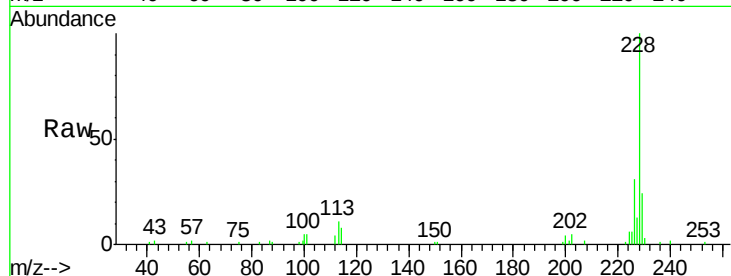
#82
Chrysene
Concen: 3.147 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.7	16.2	24.4

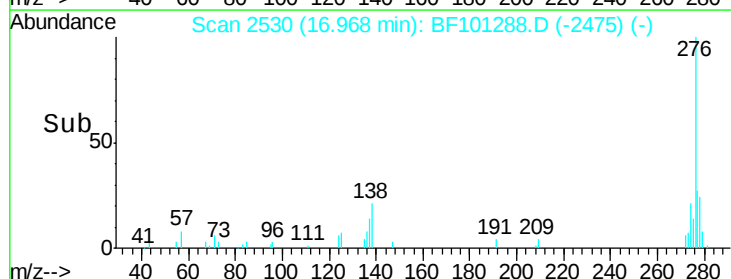
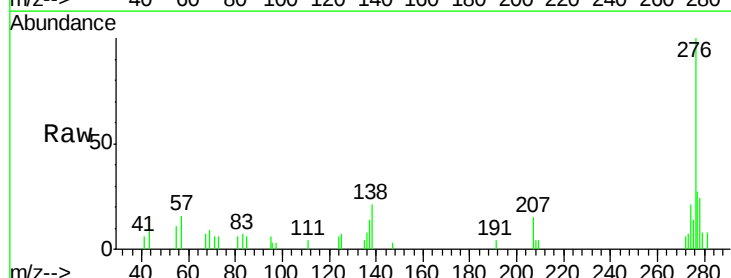
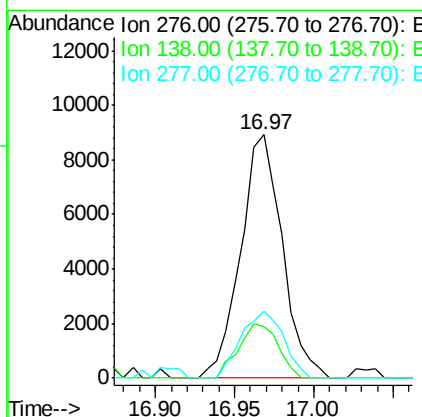
Manual Integrations
APPROVED

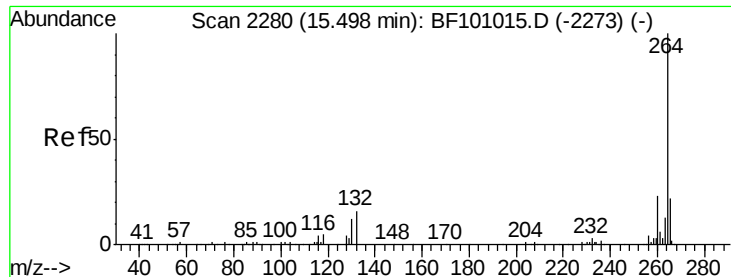
Sohil
12/12/2017 3:59:02 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.169 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.0	37.6#
277	28.2	20.1	30.1





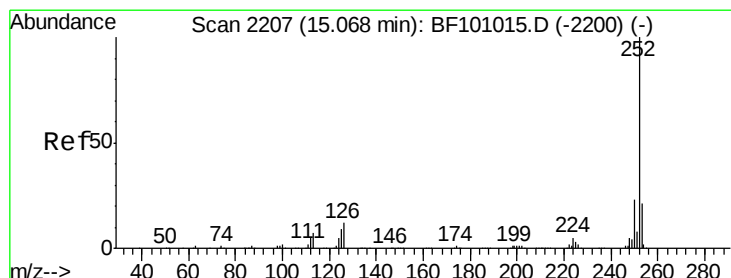
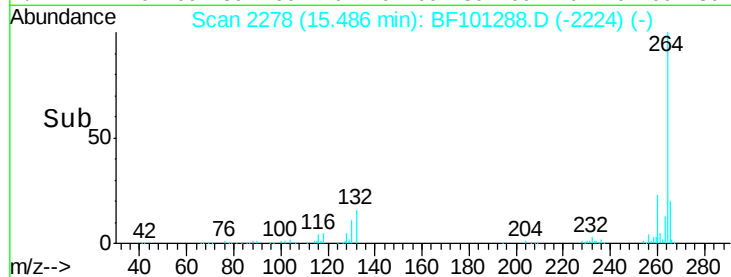
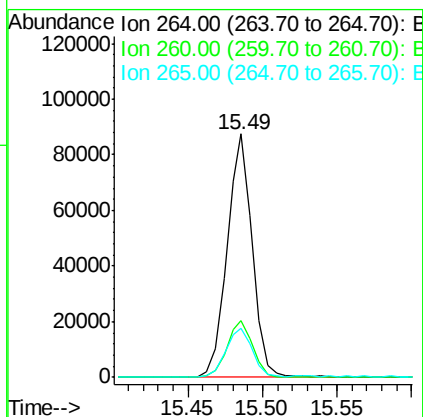
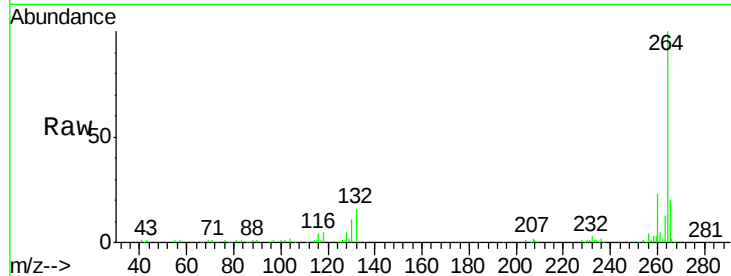
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.2	17.5	26.3

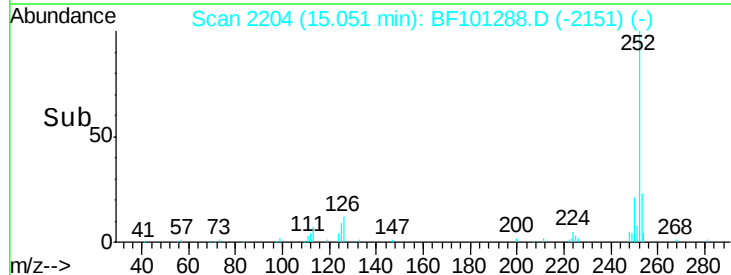
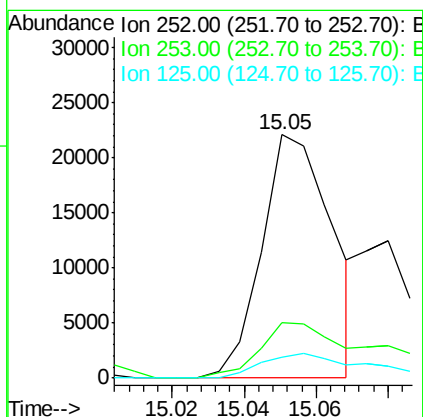
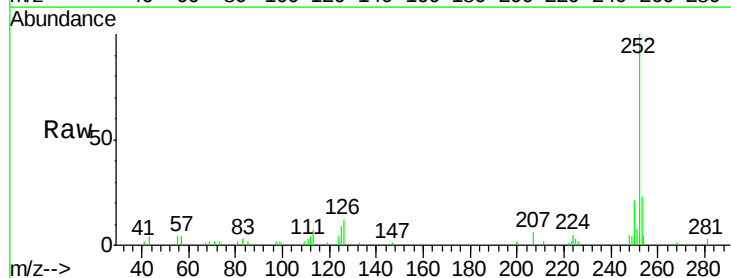
Manual Integrations
APPROVED

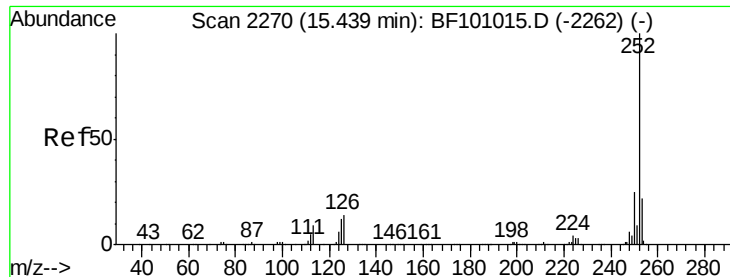
Sohil
12/12/2017 3:59:02 PM



#87
Benzo(b)fluoranthene
Concen: 4.839 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	8.6	9.0	13.6#





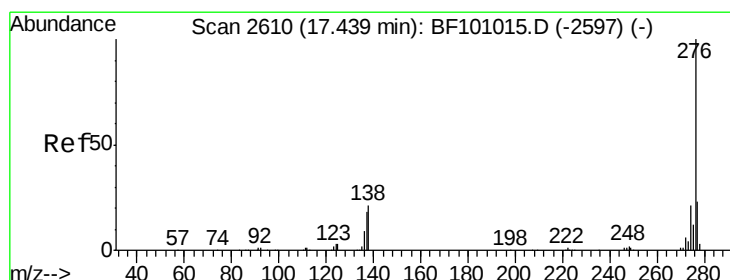
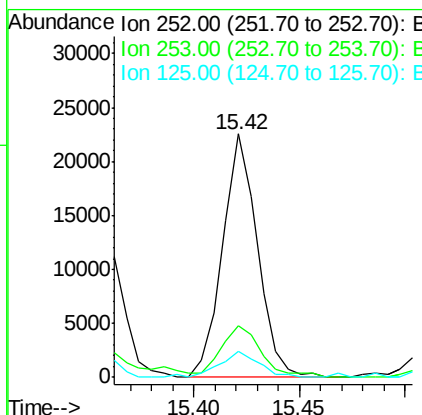
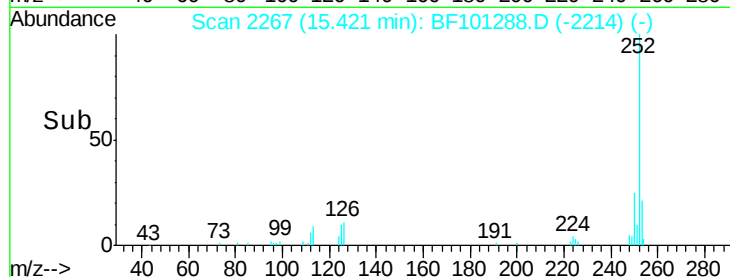
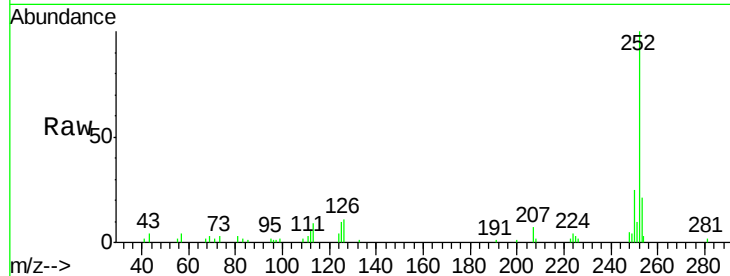
#89
Benzo(a)pyrene
Concen: 4.579 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.1	25.7
125	10.5	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:02 PM



#91
Benzo(g,h,i)perylene
Concen: 3.155 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.02 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	16.8	21.8	32.8#

