

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103301.D
 Acq On : 28 Feb 2018 18:57
 Operator : SJ/JU
 Sample : J1710-04 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Manual Integrations
 APPROVED

Sohil
 3/1/2018 11:43:11 AM

Quant Time: Mar 01 00:46:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	153365	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	647357	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	276456	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	434818	20.00	ng	0.00
75) Chrysene-d12	14.06	240	281972	20.00	ng	0.00
86) Perylene-d12	15.56	264	262088	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	129495	12.77	ng	0.00
7) Phenol-d6	6.50	99	164355	13.25	ng	0.00
23) Nitrobenzene-d5	7.43	82	97275	8.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	23143	9.89	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	163541	6.10	ng	0.00
78) Terphenyl-d14	12.99	244	106001	9.04	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	179202	7.489	ng	98
74) Fluoranthene	12.62	202	168918	7.025	ng	98
77) Pyrene	12.85	202	174323	7.929	ng	99
80) Benzo(a)anthracene	14.04	228	60288	3.295	ng	98
82) Chrysene	14.08	228	61553	3.465	ng	98
87) Benzo(b)fluoranthene	15.12	252	64569m	3.747	ng	
89) Benzo(a)pyrene	15.49	252	47777	3.105	ng	# 93
91) Benzo(g,h,i)perylene	17.54	276	23892	2.056	ng	# 90

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

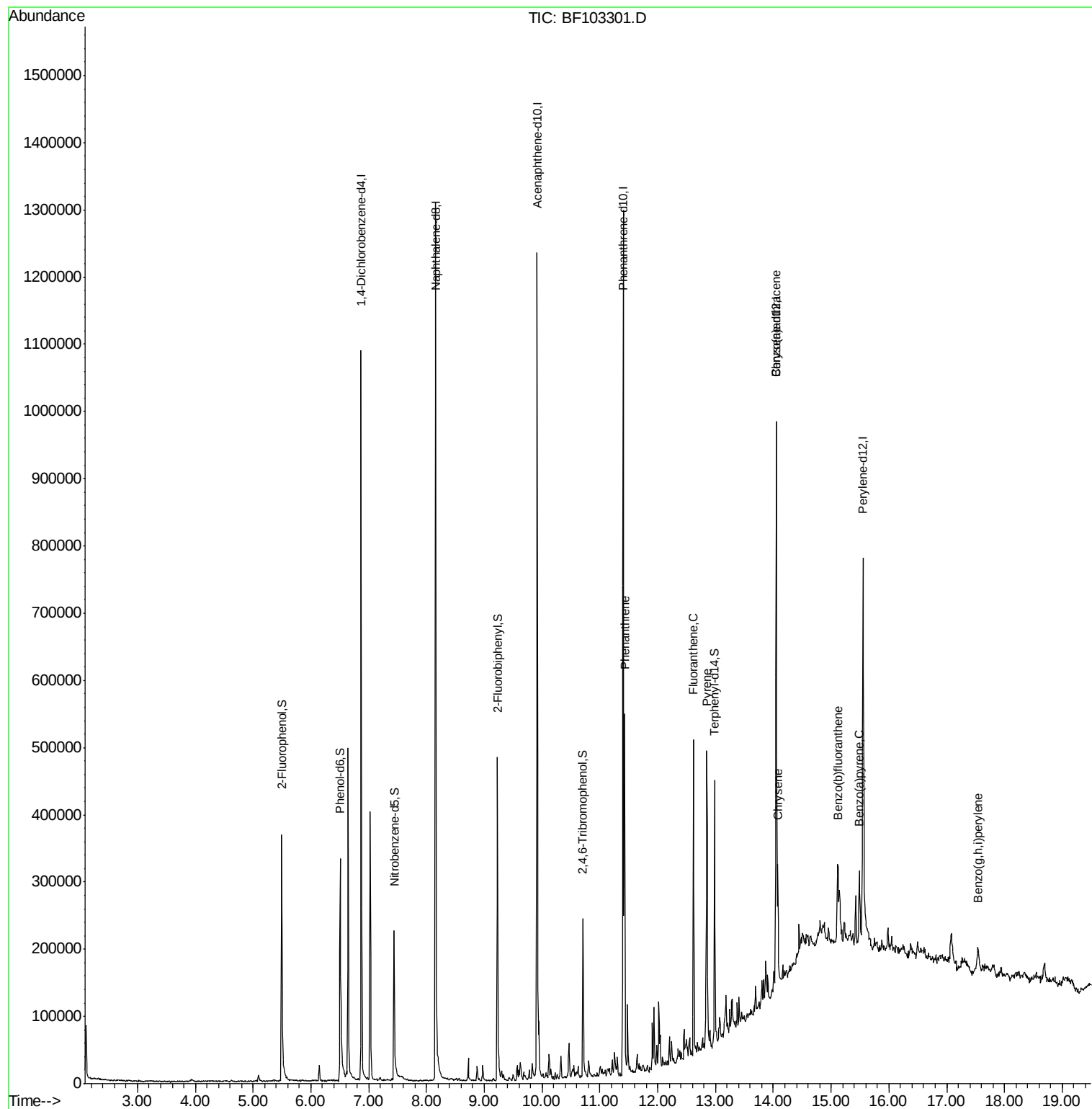
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103301.D
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#1

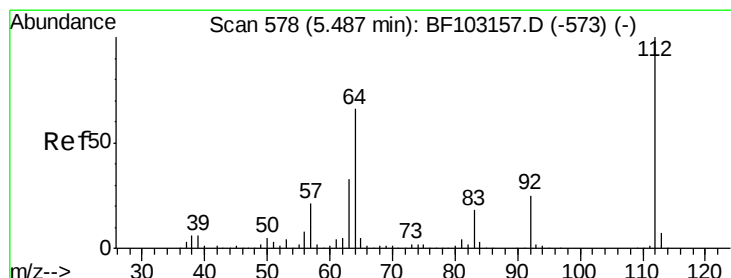
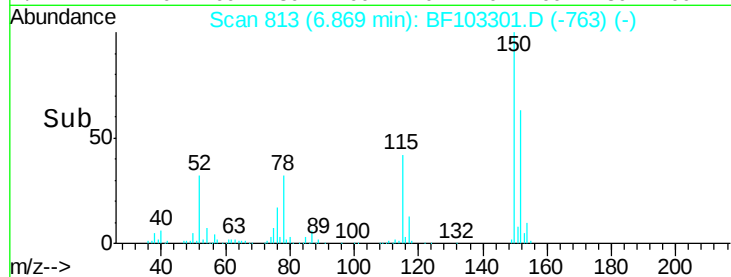
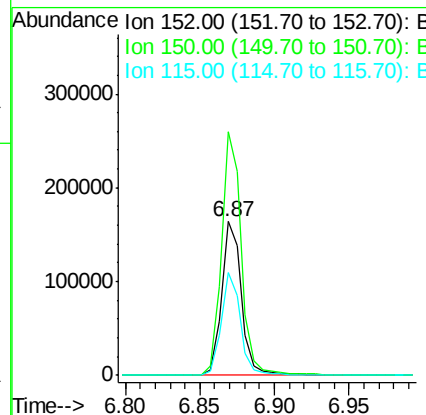
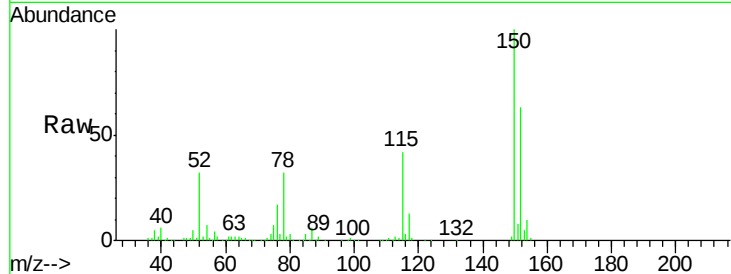
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampleId :
RO-201

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	66.7	50.1	75.1

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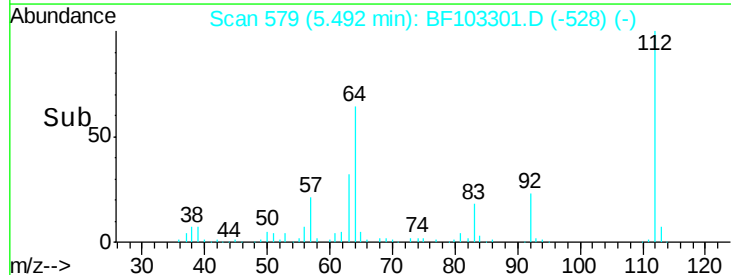
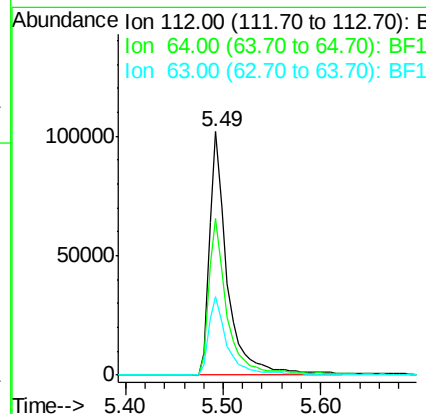
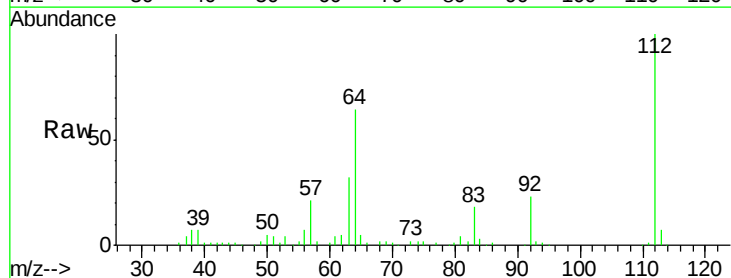
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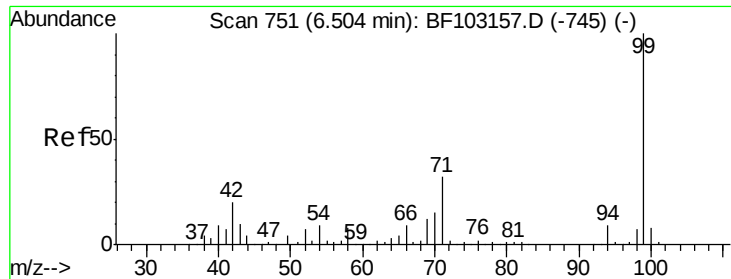


#5

2-Fluorophenol
Concen: 12.770 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 13.246 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103301.D

Acq: 28 Feb 2018 18:57

Instrument :

BNA_F

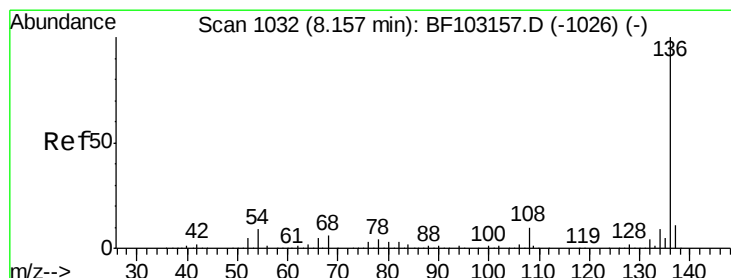
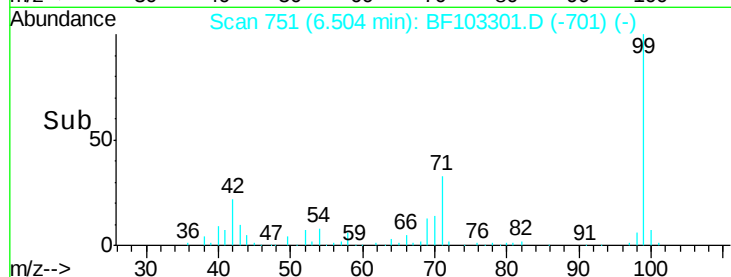
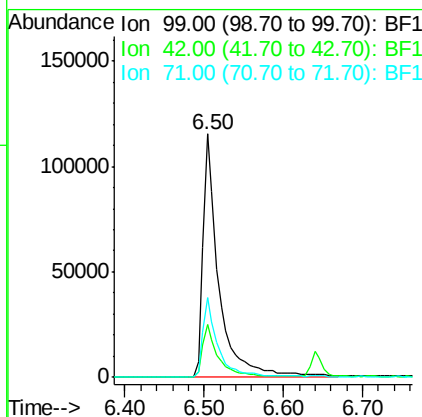
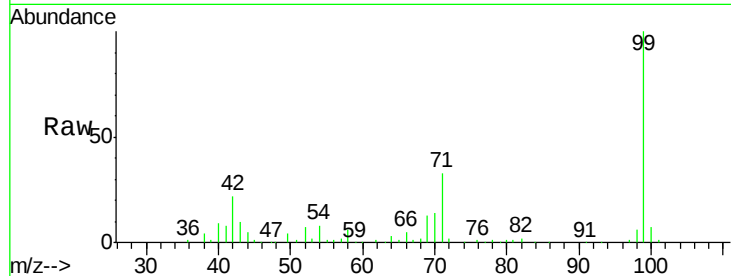
ClientSampleId :

RO-201

Tot Ion:	99	Resp:	164355
Ion Ratio	Lower	Upper	
99	100		
42	21.8	14.5	21.7#
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

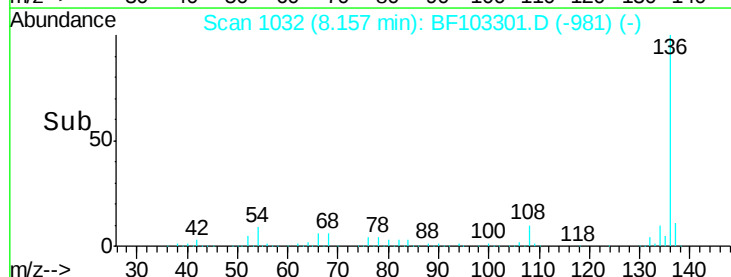
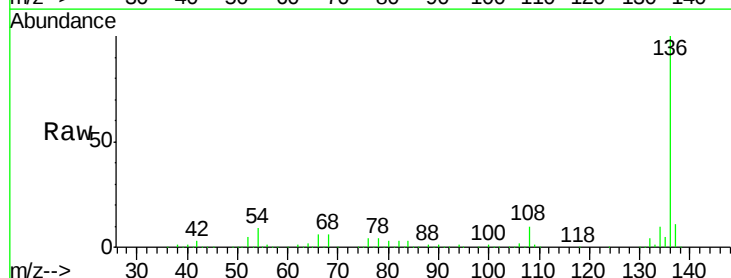
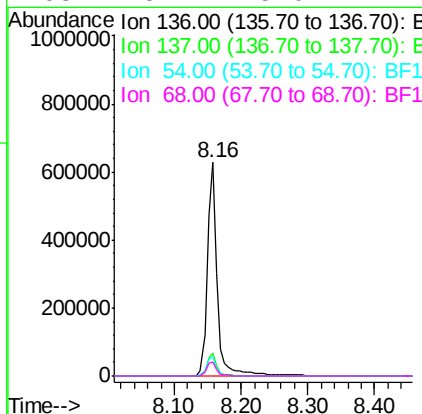
RT: 8.16 min Scan# 1032

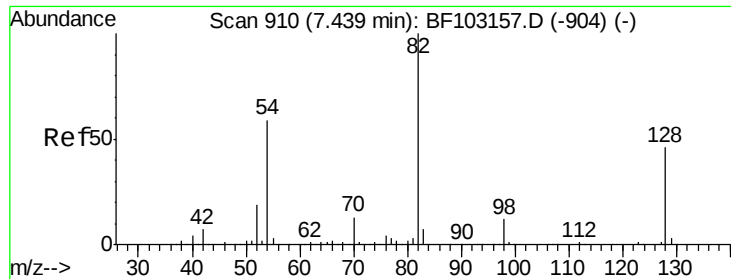
Delta R.T. -0.00 min

Lab File: BF103301.D

Acq: 28 Feb 2018 18:57

Tgt Ion:	136	Resp:	647357
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.0	6.6	9.8
68	6.4	5.0	7.4





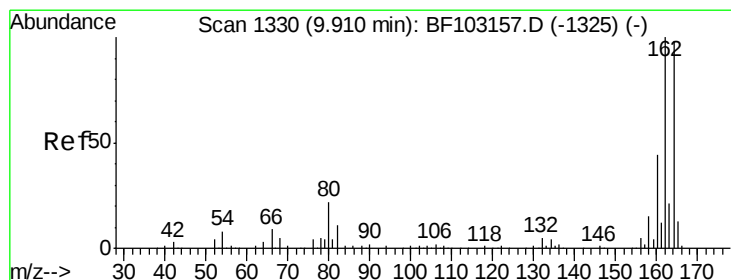
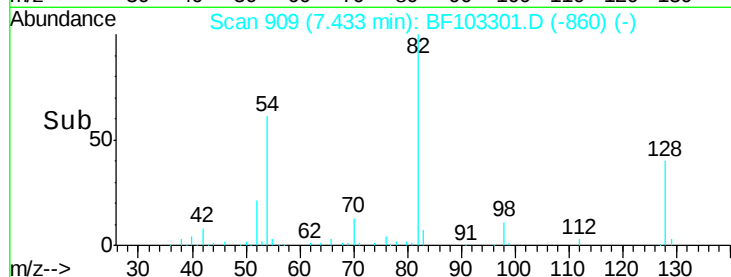
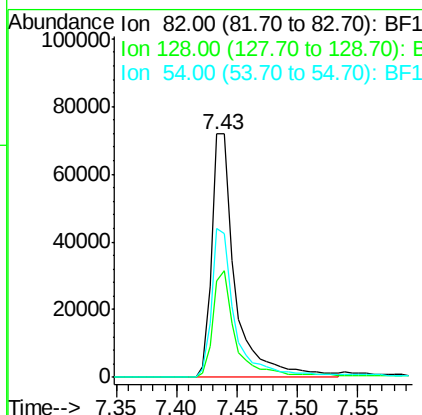
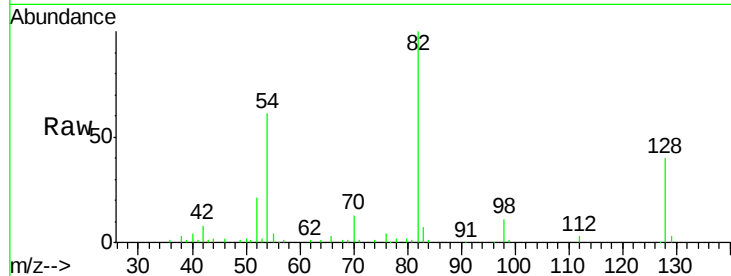
#23
Nitrobenzene-d5
Concen: 8.581 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	82	Resp	97275
Ion Ratio	100	Lower	Upper
82	100		
128	39.8	36.1	54.1
54	61.3	41.4	62.2

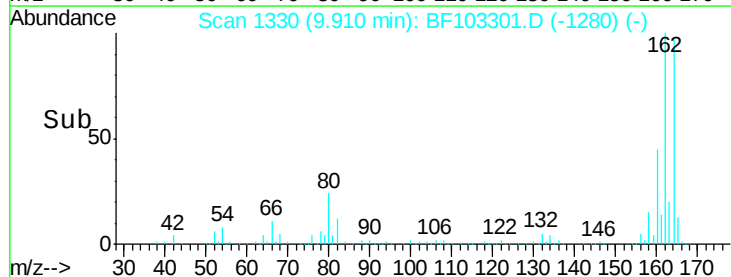
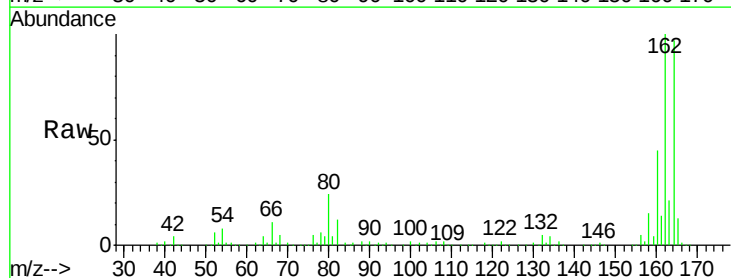
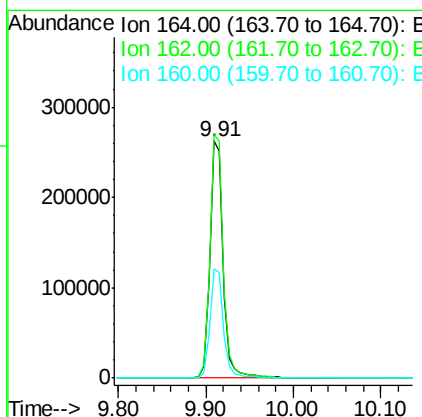
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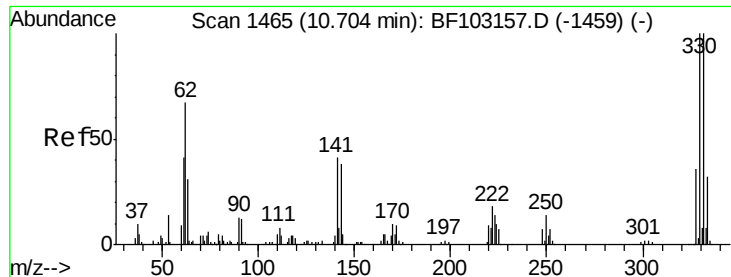
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	164	Resp	276456
Ion Ratio	100	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	46.1	38.3	57.5





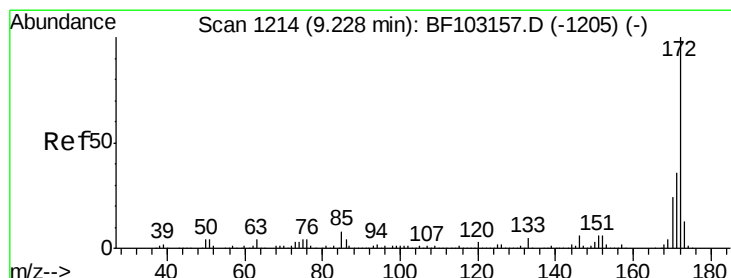
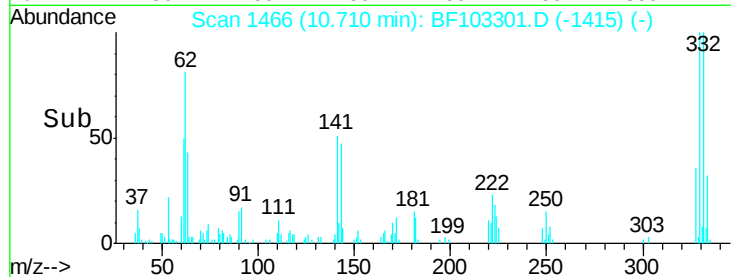
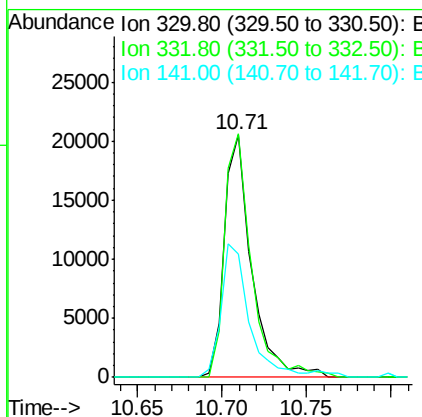
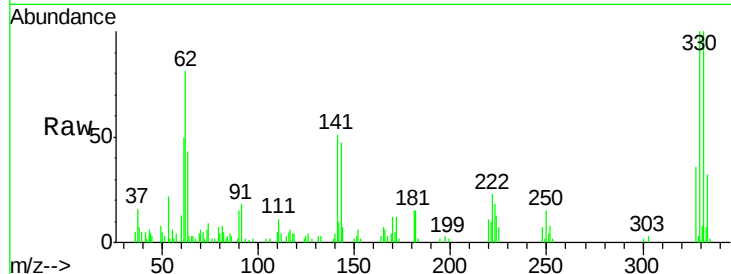
#41
 2,4,6-Tribromophenol
 Concen: 9.890 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103301.D
 Acq: 28 Feb 2018 18:57

Instrument :
 BNA_F
 ClientSampled :
 RO-201

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.0	115.6
141	56.7	29.9	44.9

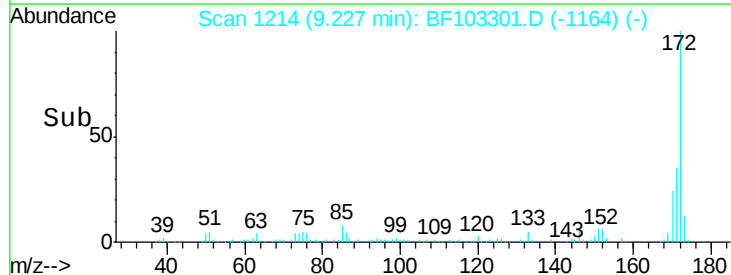
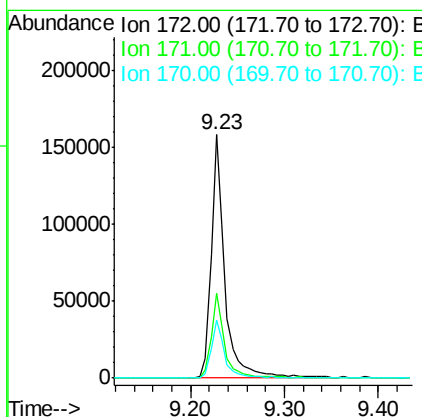
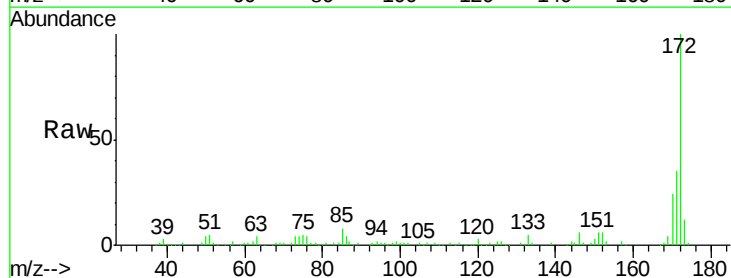
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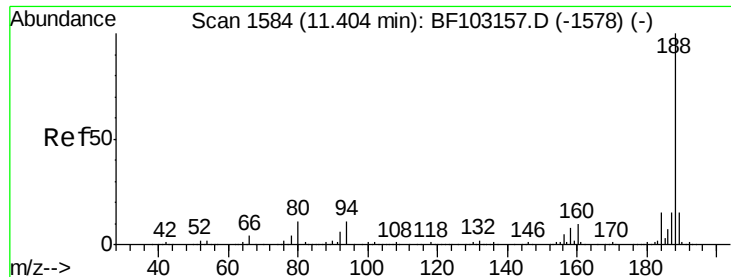
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#44
 2-Fluorobiphenyl
 Concen: 6.103 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103301.D
 Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.9	19.6	29.4





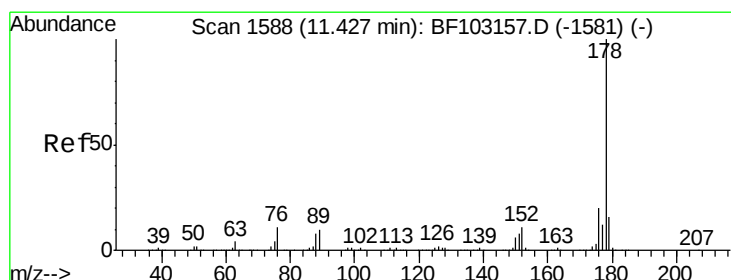
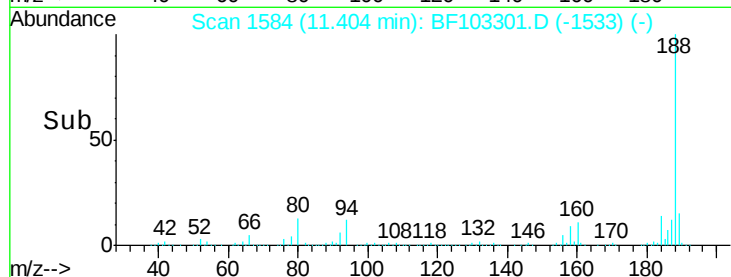
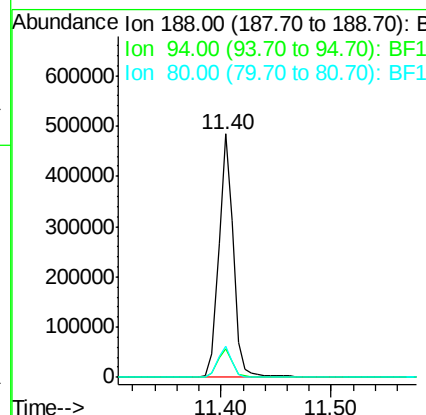
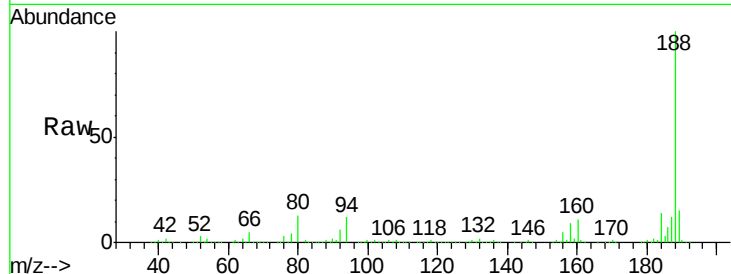
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampleId :
RO-201

Tot Ion	Ratio	Resp	Lower	Upper
188	100	434818		
94	11.8		8.5	12.7
80	12.5		9.2	13.8

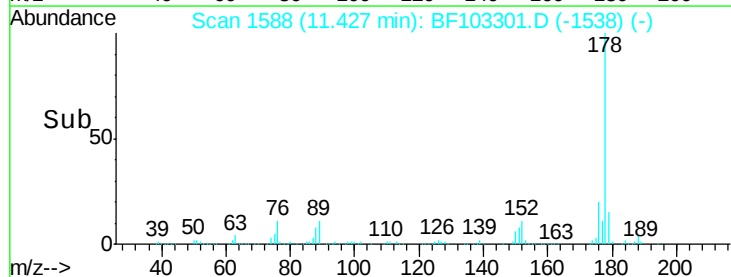
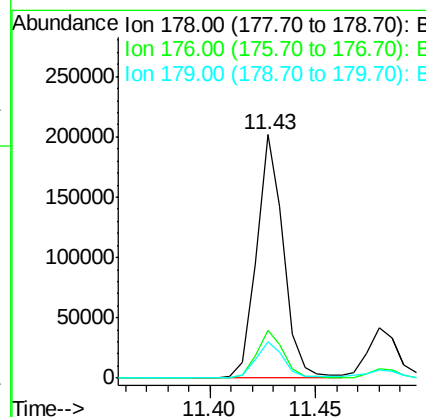
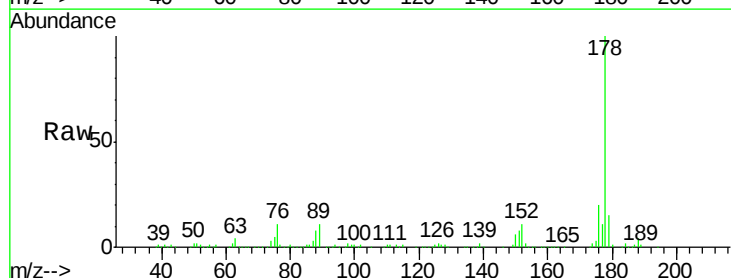
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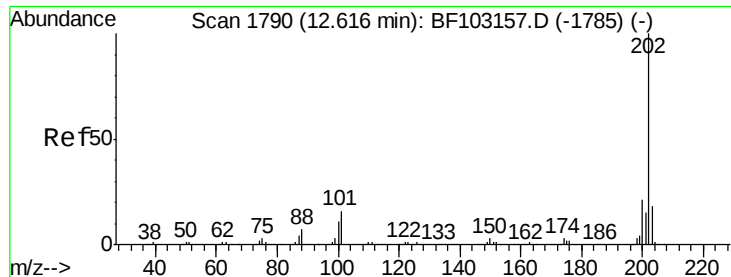
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#70
Phenanthrene
Concen: 7.489 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	179202		
176	19.6		15.8	23.8
179	15.0		13.0	19.6





#74

Fluoranthene

Concen: 7.025 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103301.D

Acq: 28 Feb 2018 18:57

Instrument :

BNA_F

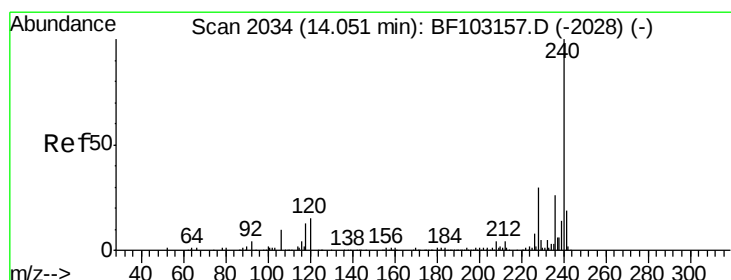
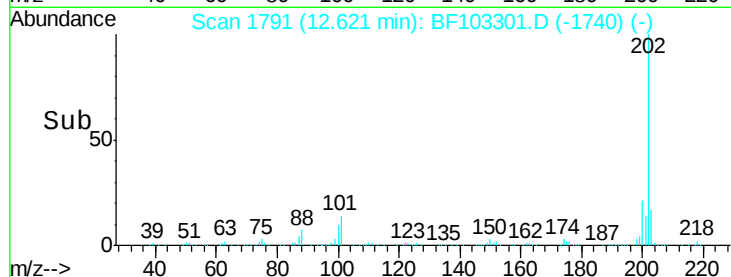
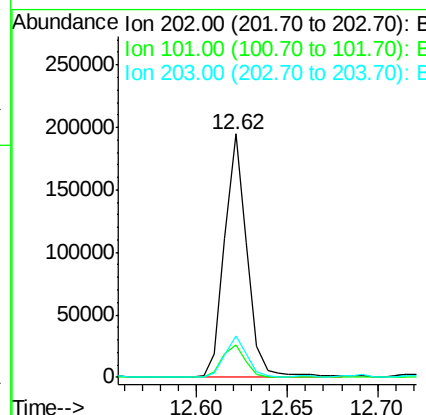
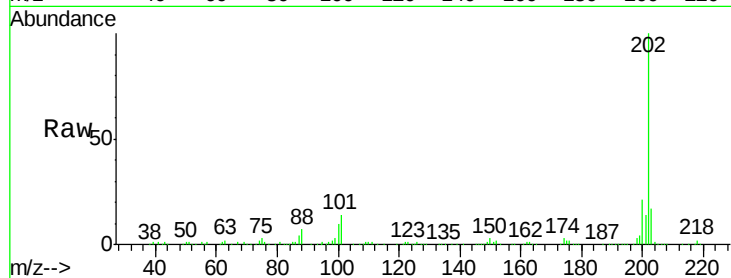
ClientSampled :

RO-201

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		168918		
101	13.5	0.0	34.1		
203	17.2	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

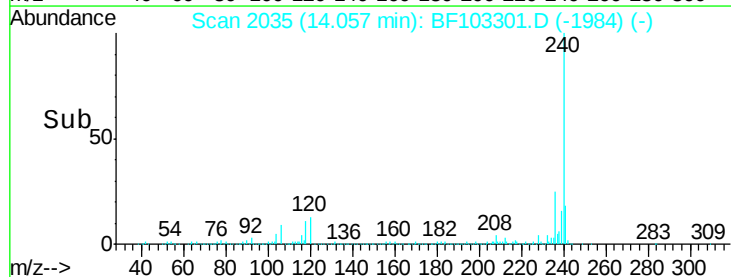
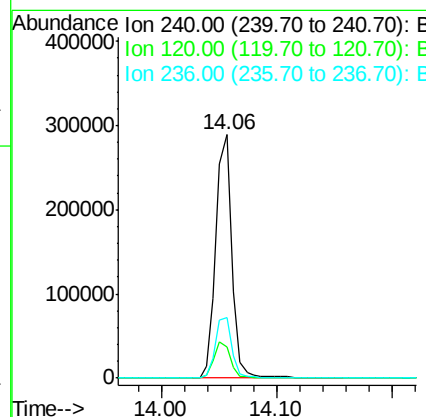
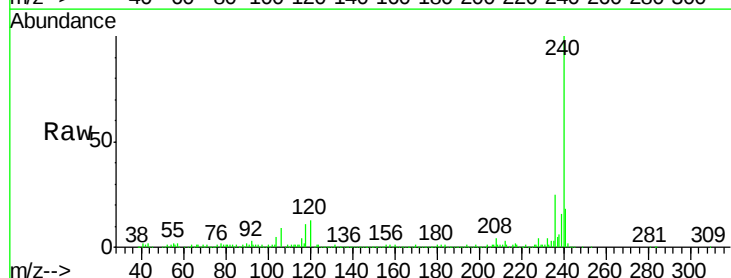
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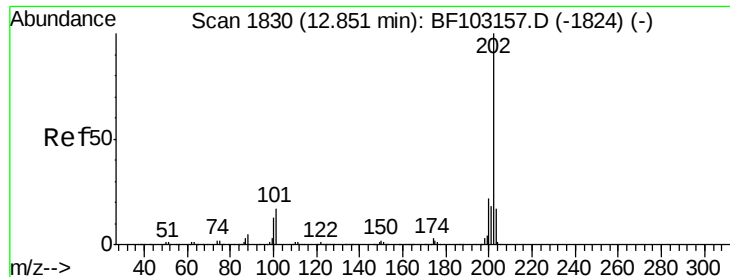
Delta R.T. -0.00 min

Lab File: BF103301.D

Acq: 28 Feb 2018 18:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		281972		
120	12.7	9.5	14.3		
236	25.1	20.7	31.1		





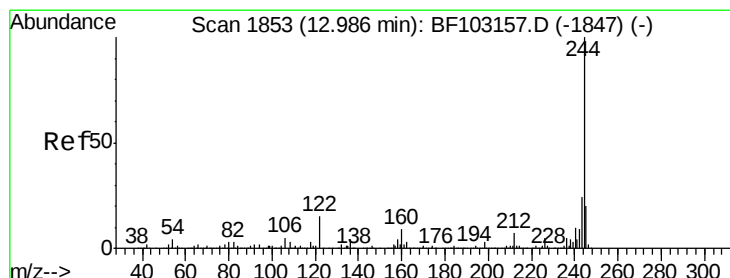
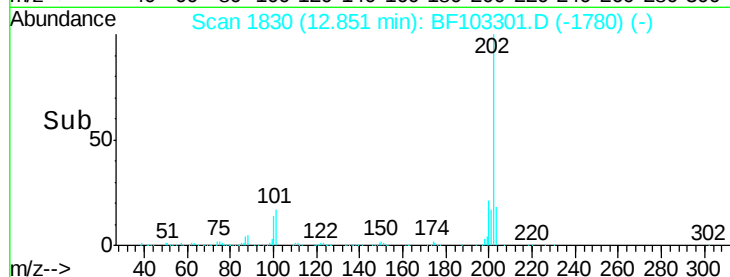
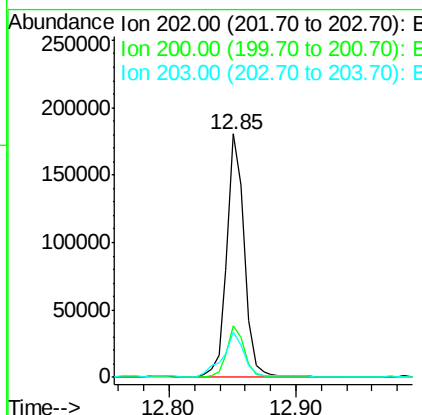
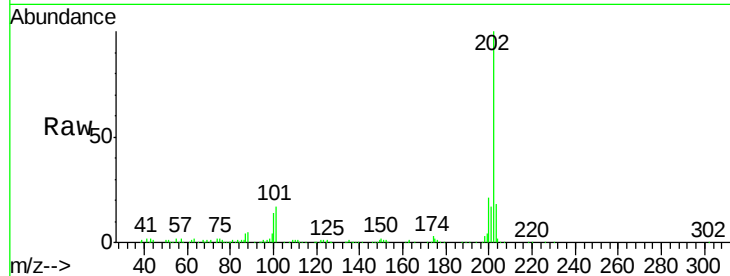
#77
Pvrene
Concen: 7.929 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.5	14.3	21.5

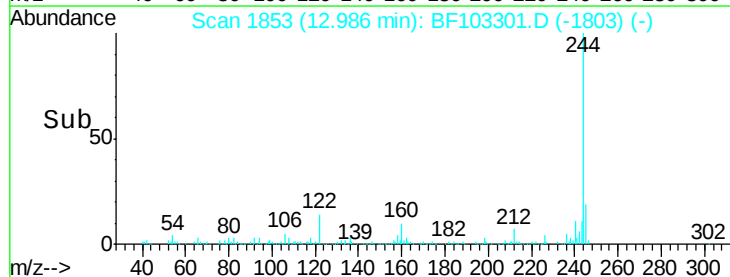
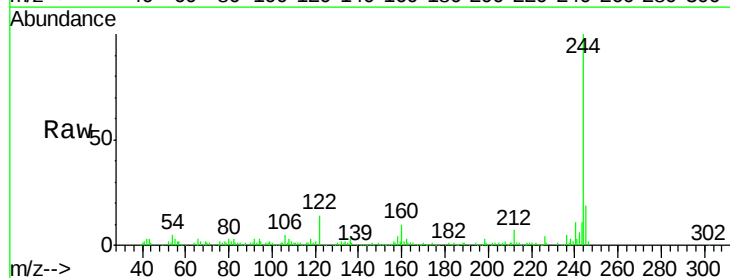
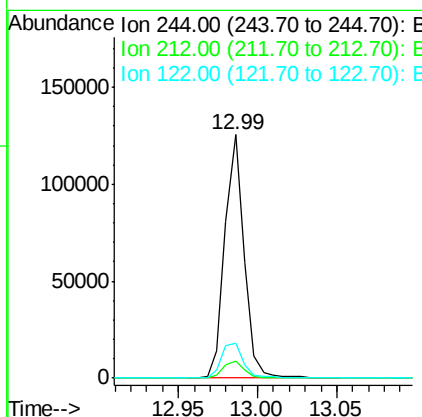
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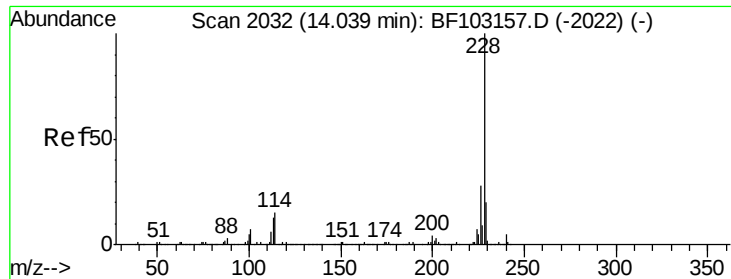
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#78
Terphenyl-d14
Concen: 9.037 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.3	11.0	16.4





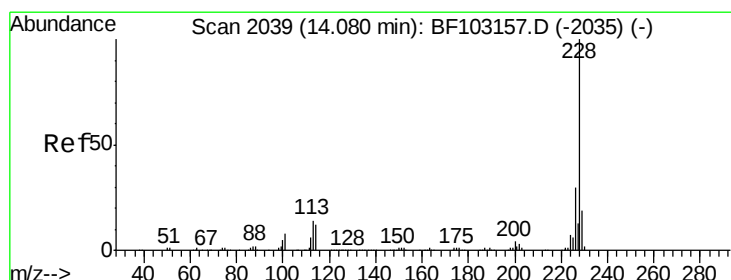
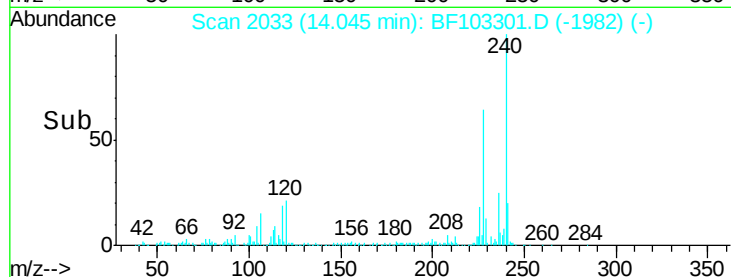
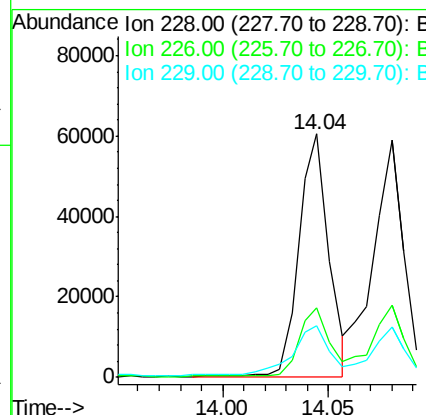
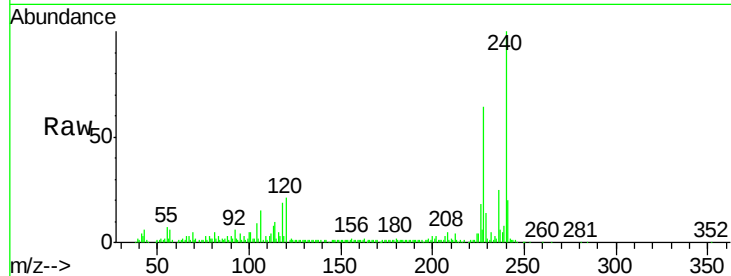
#80
Benzo(a)anthracene
Concen: 3.295 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampleId :
RO-201

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.4	15.8	23.6

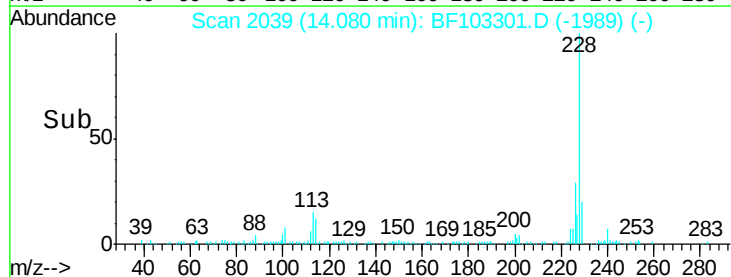
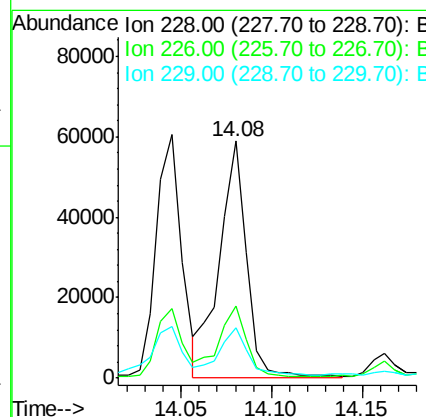
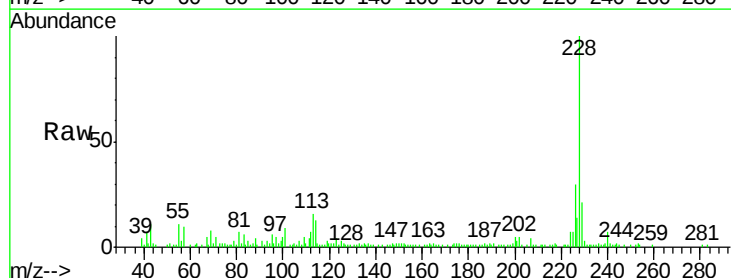
Manual Integrations
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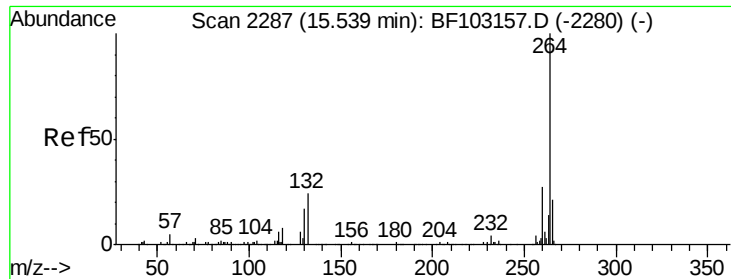
Sohil
3/1/2018 11:43:11 AM



#82
Chrysene
Concen: 3.465 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.4	16.2	24.4





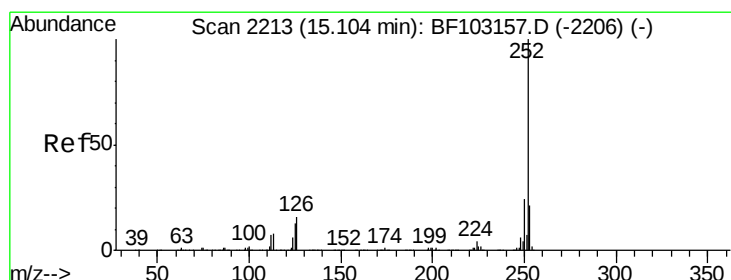
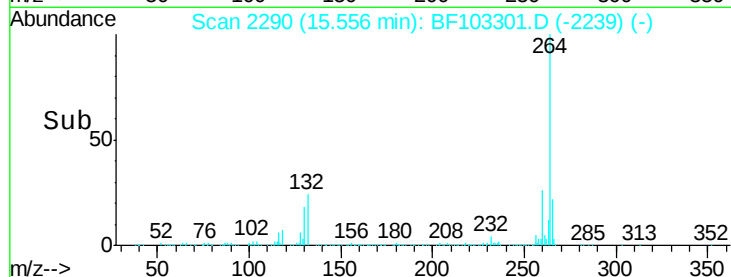
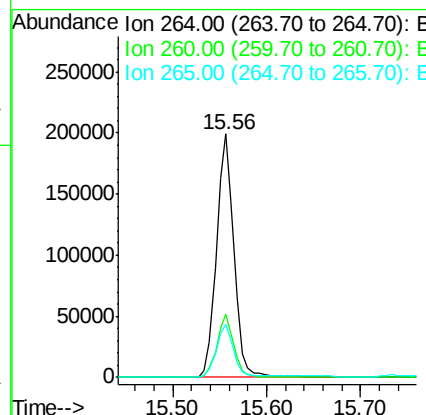
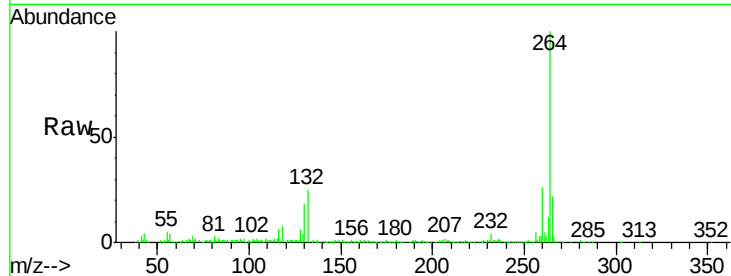
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampleId :
RO-201

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	21.7	17.5	26.3

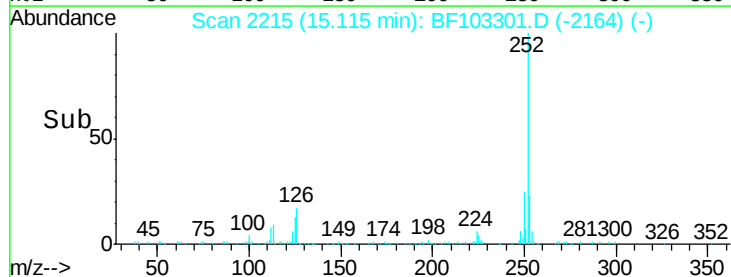
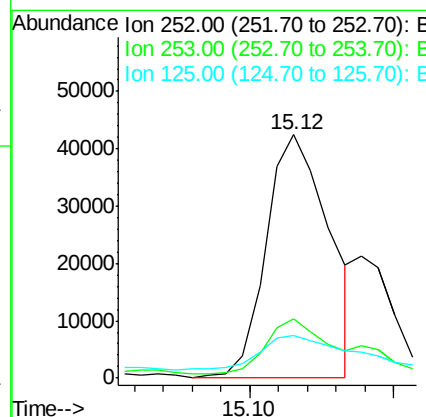
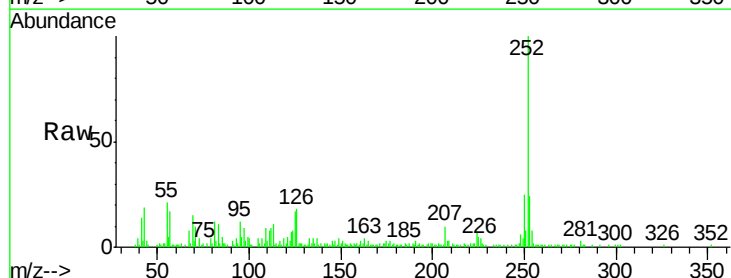
Manual Integrations
APPROVED

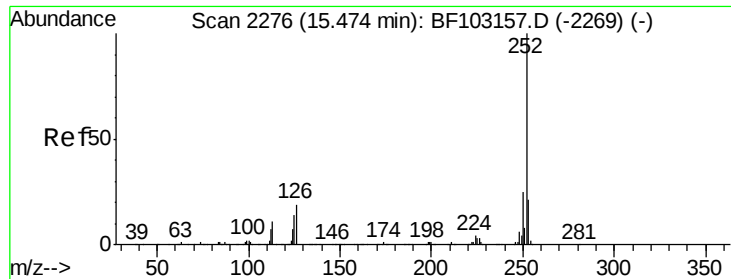
Sohil
3/1/2018 11:43:11 AM



#87
Benzo(b)fluoranthene
Concen: 3.747 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	17.4	9.0	13.6





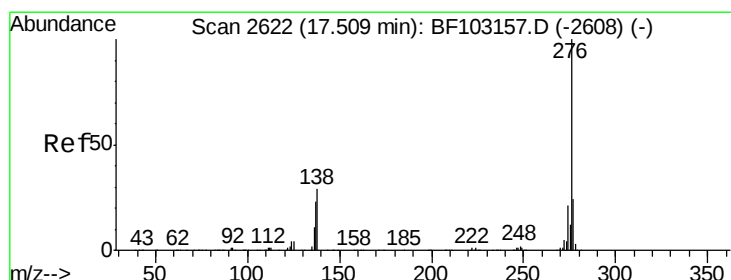
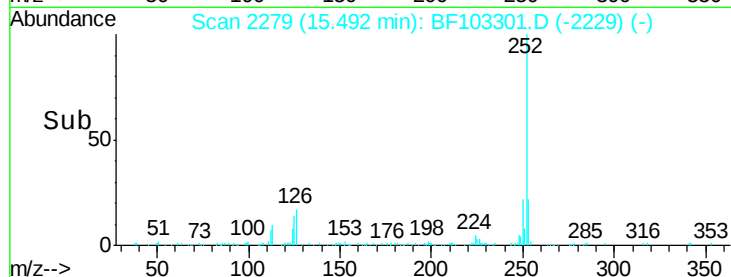
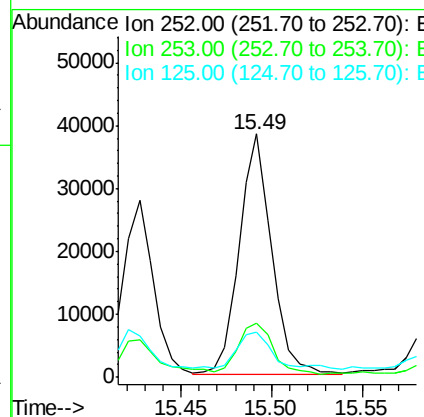
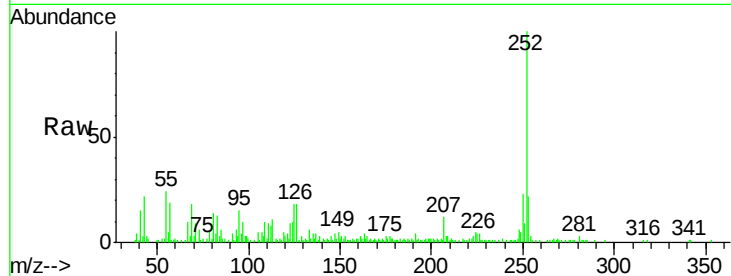
#89
Benzo(a)pyrene
Concen: 3.105 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	18.4	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/1/2018 11:43:11 AM



#91
Benzo(g,h,i)perylene
Concen: 2.056 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.00 min
Lab File: BF103301.D
Acq: 28 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	34.5	21.8	32.8

