

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104442.D
 Acq On : 11 Apr 2018 17:02
 Operator : JU/SJ
 Sample : J2324-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 329-343

Manual Integrations
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Sohil
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Quant Time: Apr 11 18:49:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 13:19:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	117836	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	455392	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	188681	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	300313	20.00	ng	0.00
75) Chrysene-d12	13.98	240	245377	20.00	ng	0.00
86) Perylene-d12	15.44	264	203725	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	392384	50.92	ng	0.01
7) Phenol-d6	6.43	99	641992	67.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	419888	60.21	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	39130	19.99	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	744129	62.30	ng	0.00
78) Terphenyl-d14	12.93	244	609571	56.64	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	41474	2.787	ng	98
70) Phenanthrene	11.36	178	156301	9.346	ng	99
71) Anthracene	11.41	178	39281	2.311	ng	98
74) Fluoranthene	12.55	202	238403	13.644	ng	96
77) Pyrene	12.78	202	237020	13.032	ng	99
80) Benzo(a)anthracene	13.97	228	121957	8.320	ng	98
82) Chrysene	14.00	228	110961	7.369	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	25274	2.293	ng	99
85) Indeno(1,2,3-cd)pyrene	16.89	276	42544	3.326	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	117276m	9.115	ng	
88) Benzo(k)fluoranthene	15.04	252	32603m	2.684	ng	
89) Benzo(a)pyrene	15.38	252	75649	6.571	ng	96
91) Benzo(a,h,i)perylene	17.32	276	39347	4.295	ng	97

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

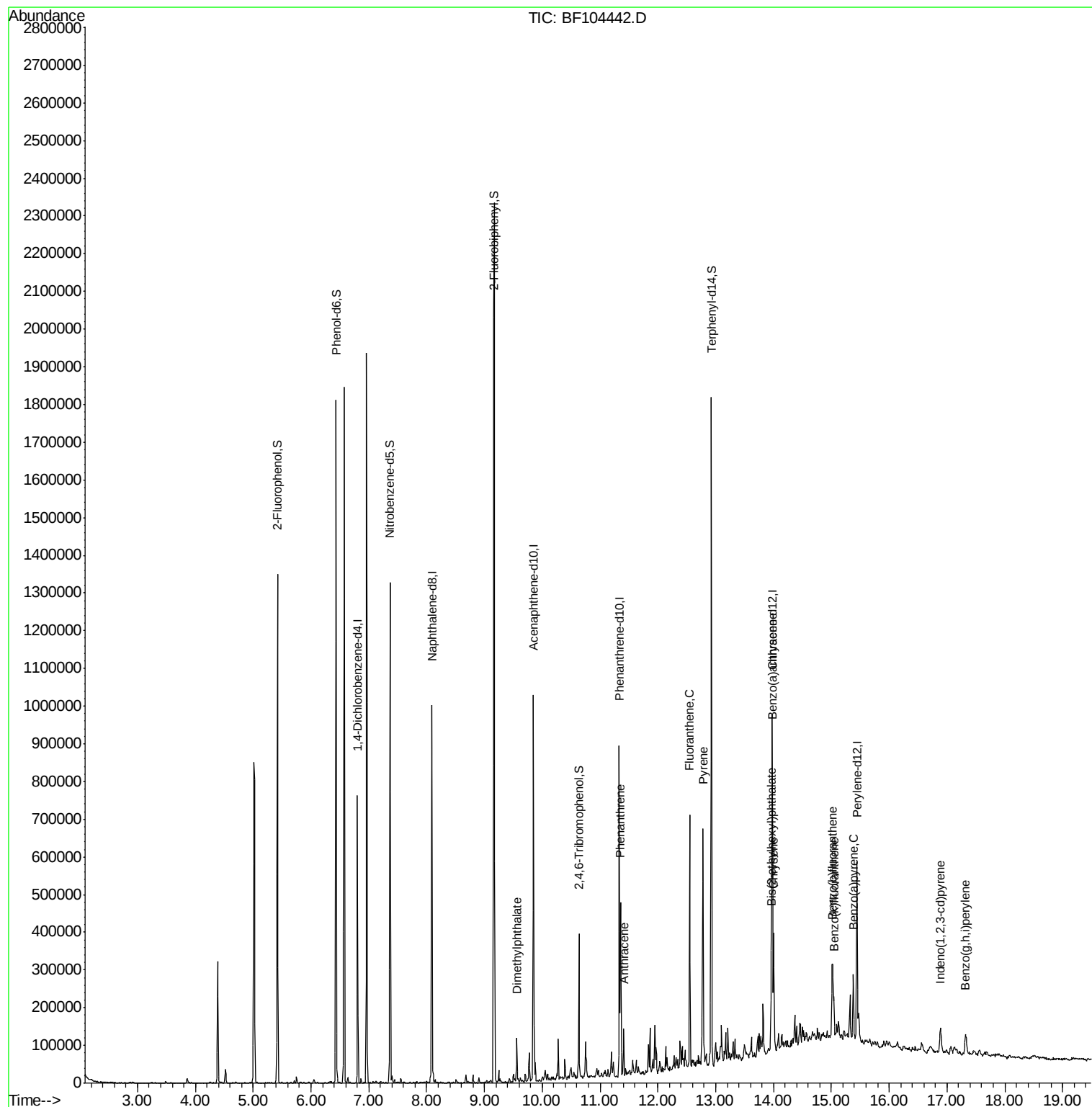
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
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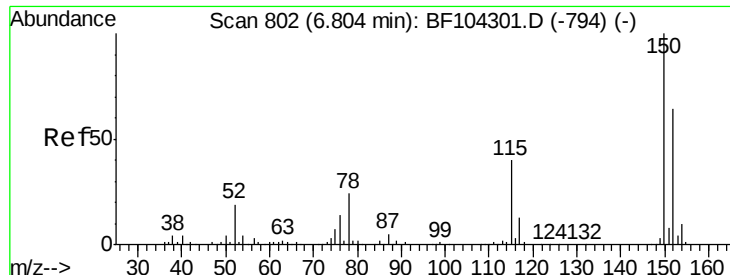
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

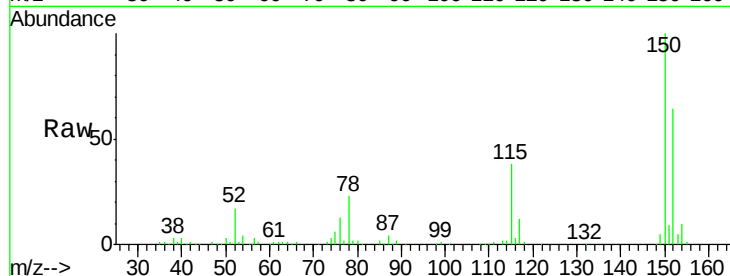
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Instrument :
BNA_F
ClientSampleId :
329-343

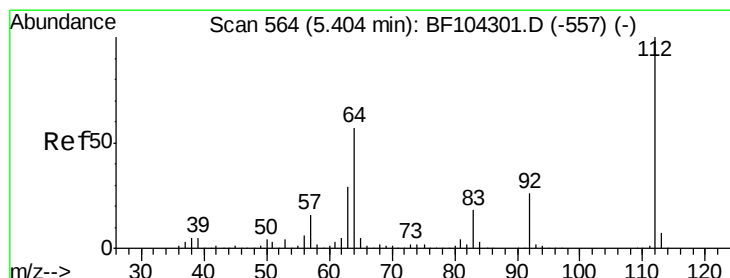
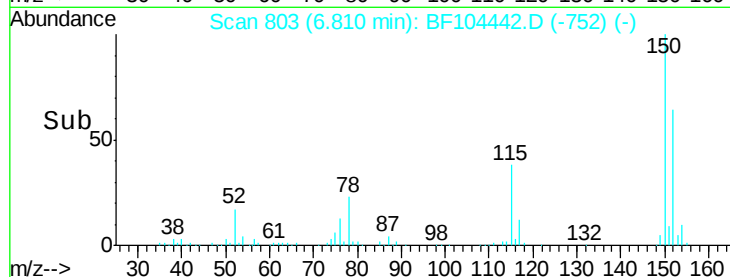
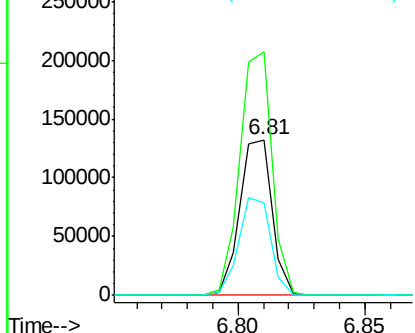
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	59.7	50.1	75.1

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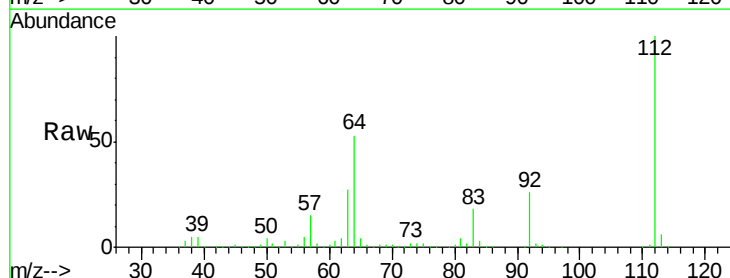
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



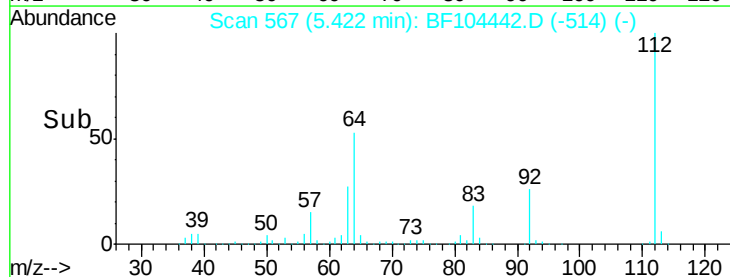
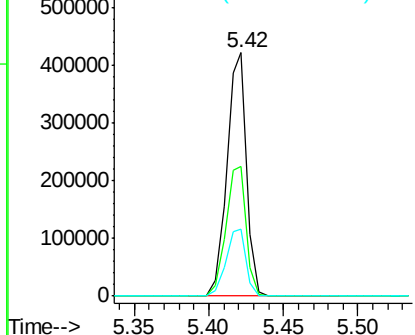
#5

2-Fluorophenol
Concen: 50.916 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	27.4	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: 67.801 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

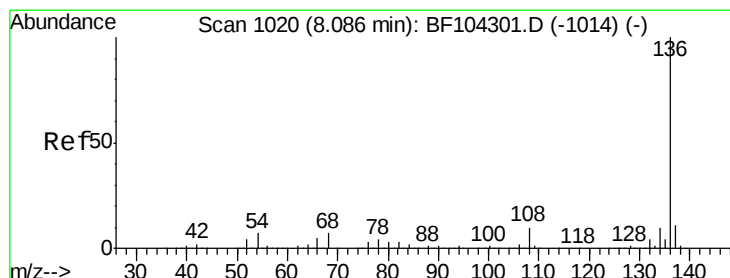
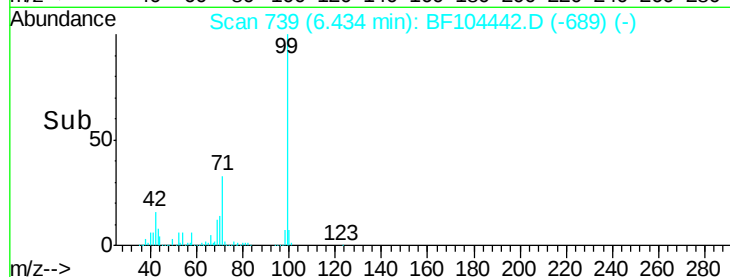
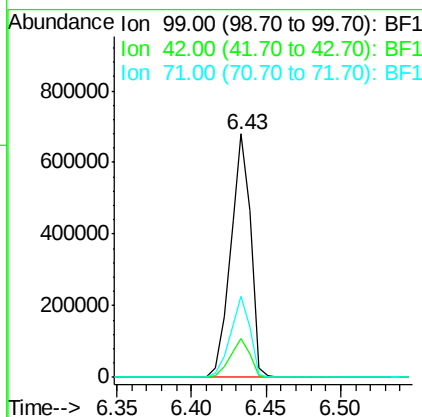
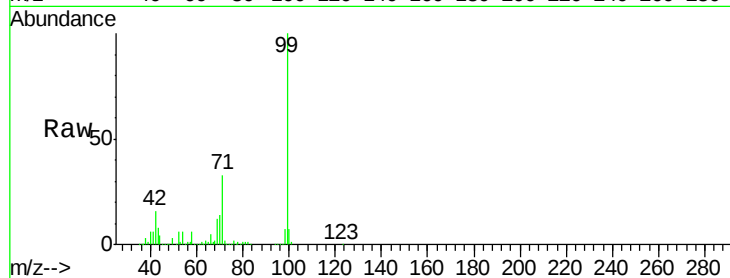
ClientSampleId :

329-343

Tot Ion:	99	Resp:	641992
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

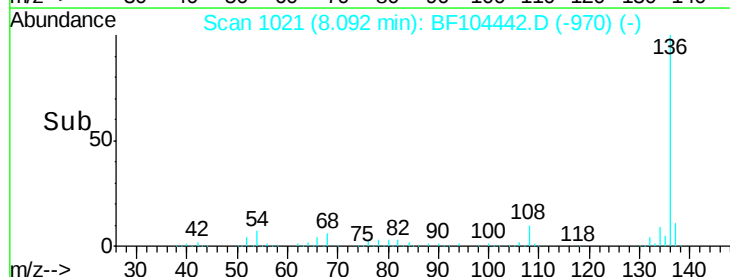
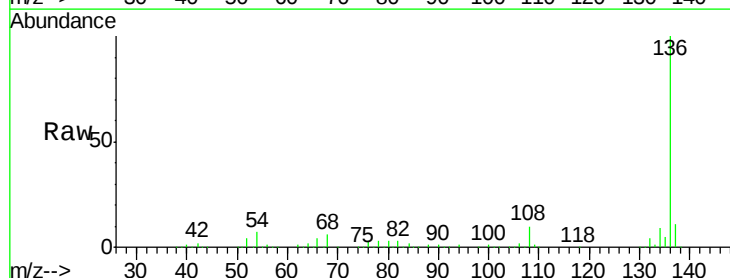
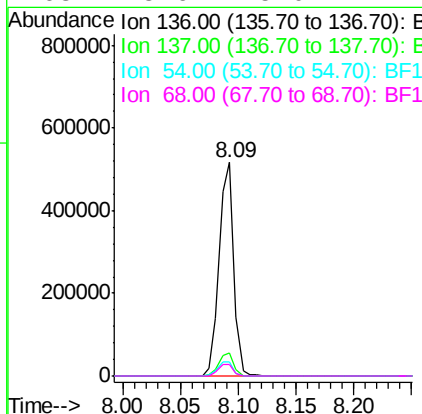
RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Tgt Ion:	136	Resp:	455392
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.6	6.6	9.8
68	5.6	5.0	7.4





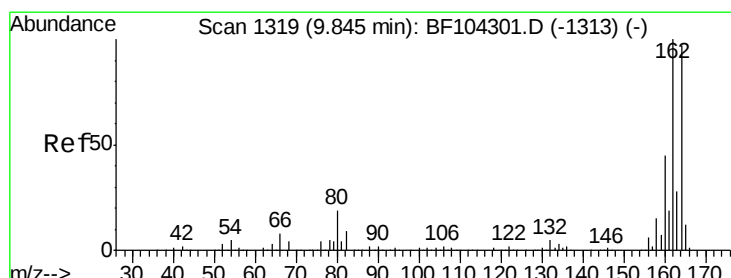
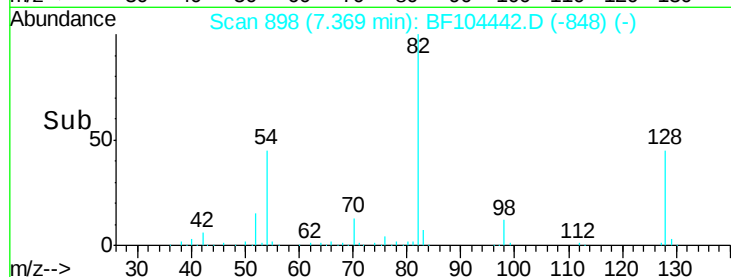
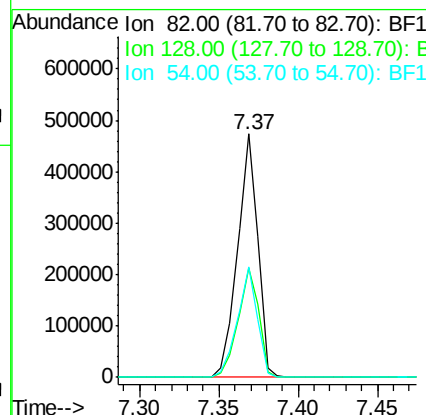
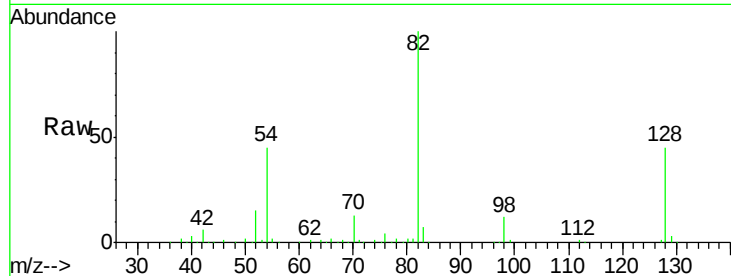
#23
 Nitrobenzene-d5
 Concen: 60.207 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104442.D
 Acq: 11 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	100		419888		
128	44.9	36.1	54.1		
54	45.5	41.4	62.2		

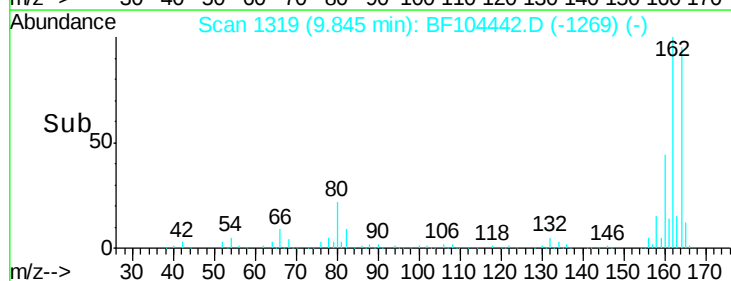
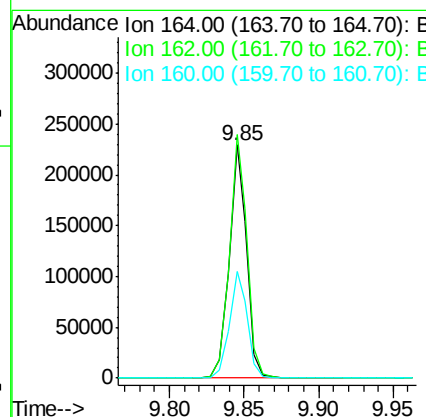
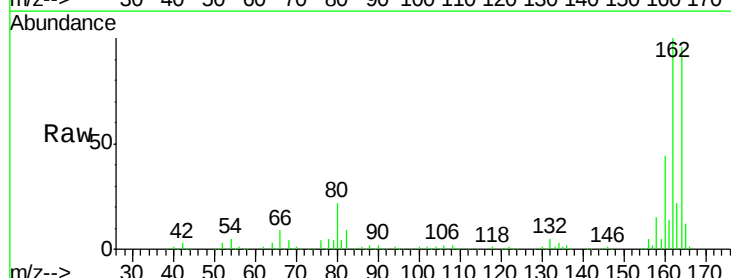
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104442.D
 Acq: 11 Apr 2018 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		188681		
162	104.6	86.1	129.1		
160	45.9	38.3	57.5		





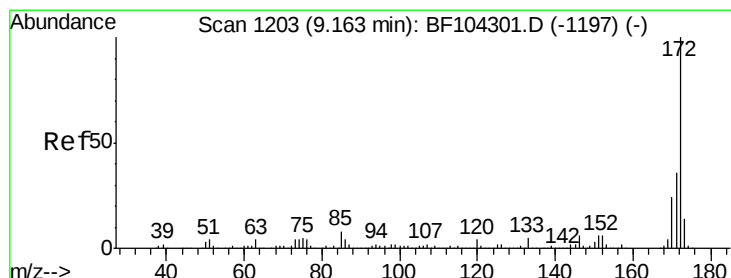
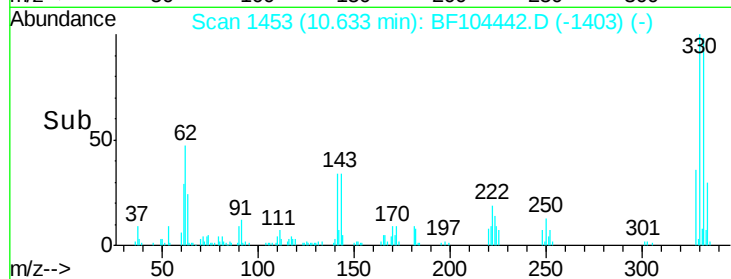
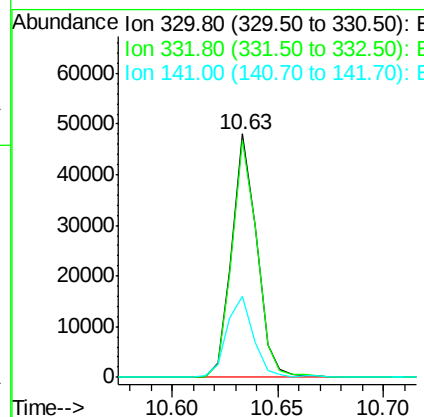
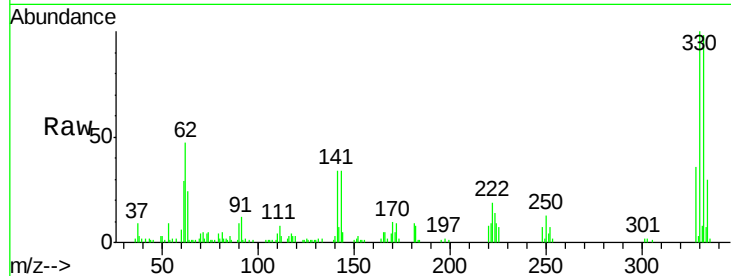
#41
 2,4,6-Tribromophenol
 Concen: 19.992 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104442.D
 Acq: 11 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampled :
 329-343

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	77.0	115.6	
141	36.2	29.9	44.9	

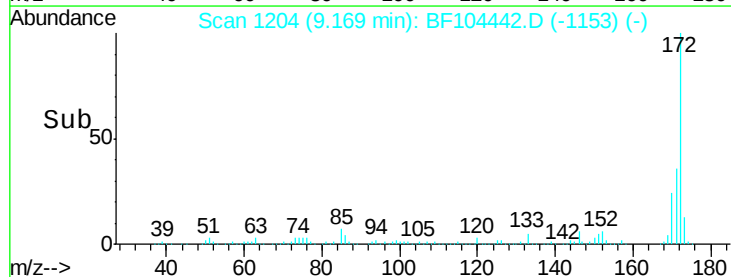
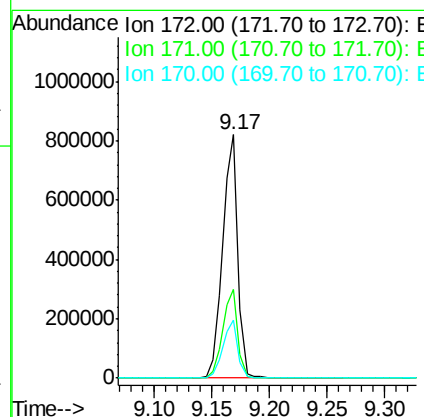
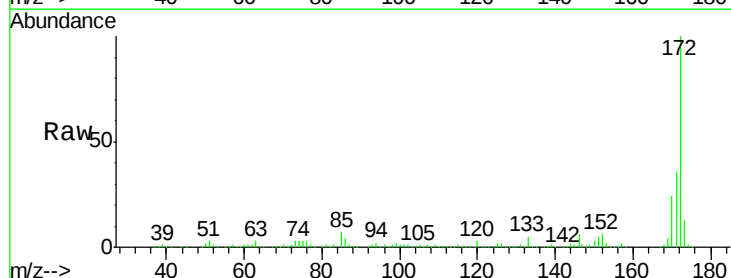
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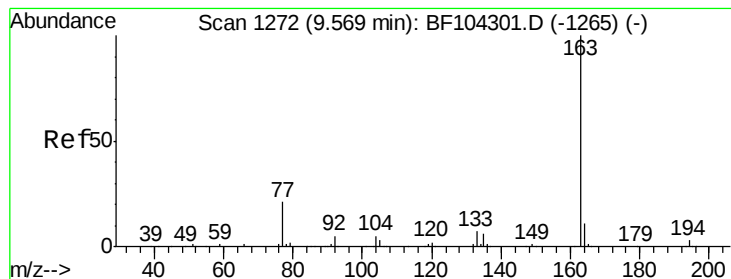
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#44
 2-Fluorobiphenyl
 Concen: 62.303 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF104442.D
 Acq: 11 Apr 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	23.8	19.6	29.4	





#49

Dimethylphthalate

Concen: 2.787 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

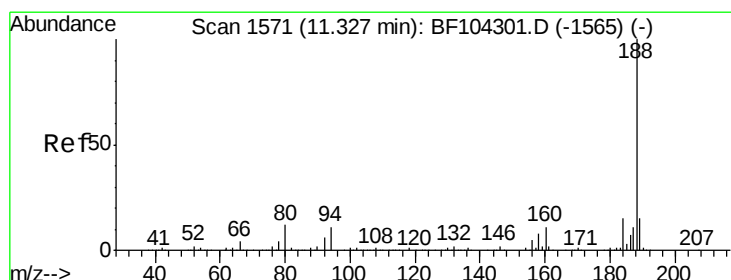
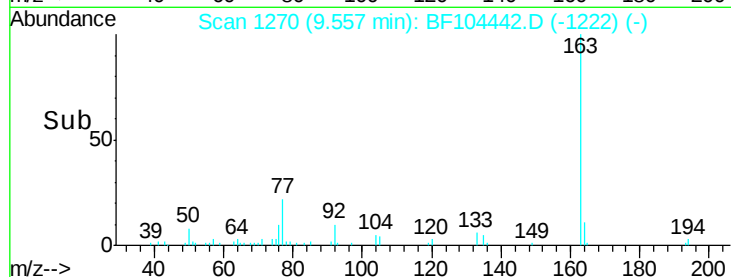
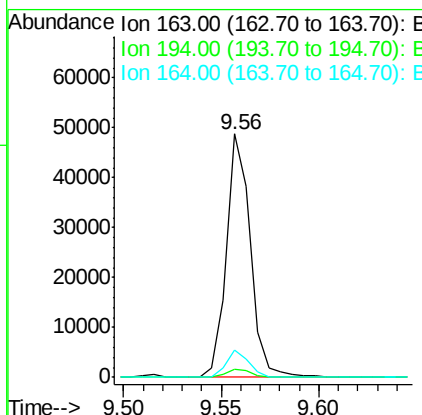
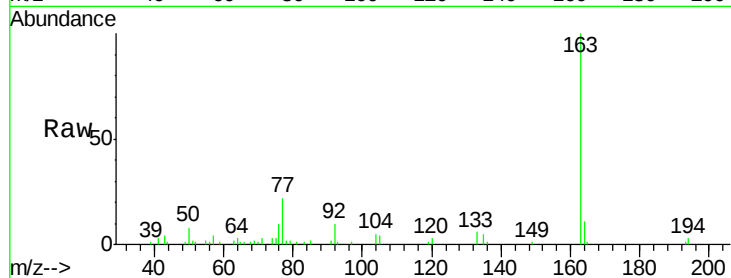
ClientSampleId :

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Tot Ion:	163	Resp:	41474
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	11.0	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

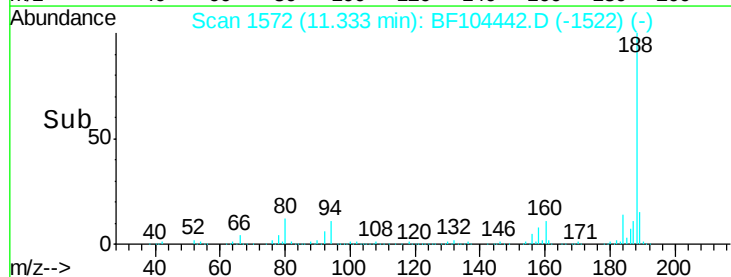
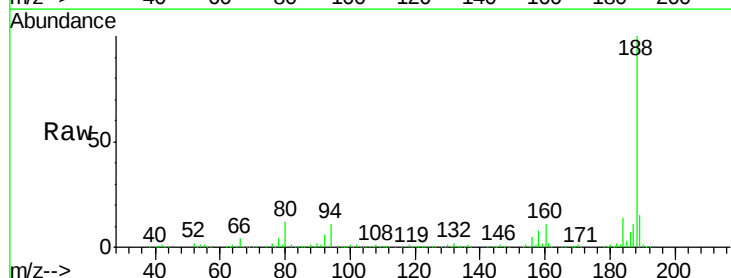
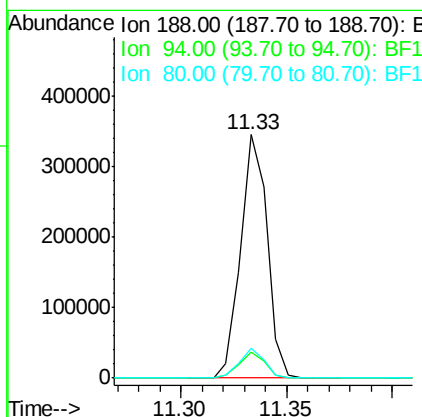
RT: 11.33 min Scan# 1572

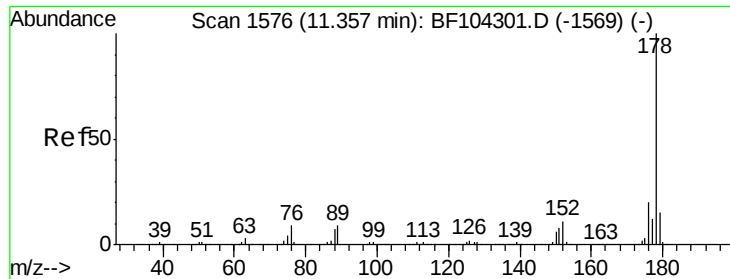
Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Tgt Ion:	188	Resp:	300313
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.5	12.7
80	12.1	9.2	13.8





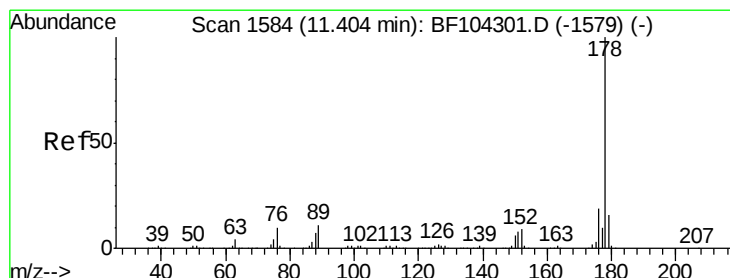
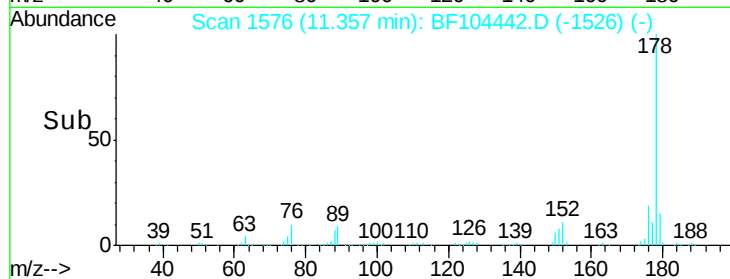
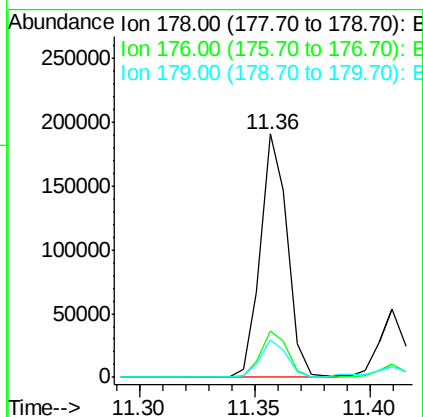
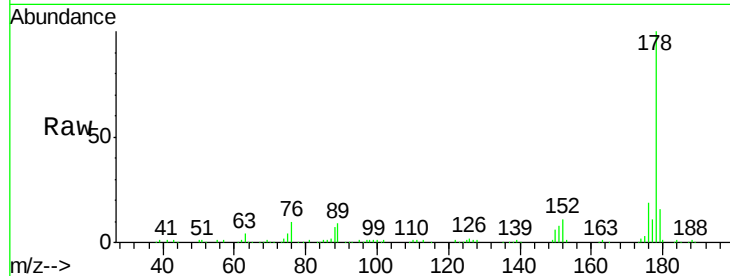
#70
Phenanthrene
Concen: 9.346 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Instrument :
BNA_F
ClientSampled :
329-343

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6

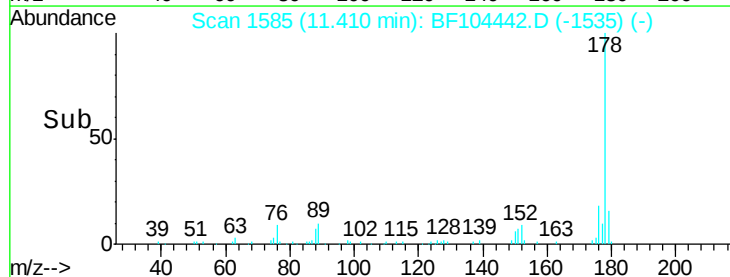
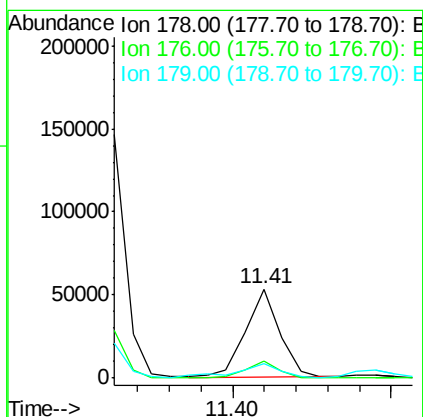
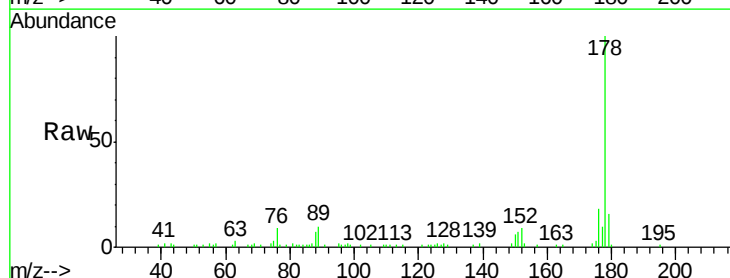
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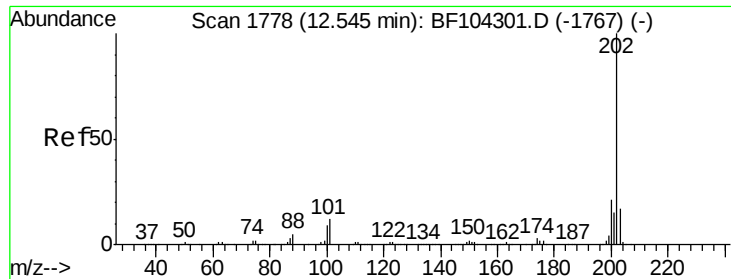
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#71
Anthracene
Concen: 2.311 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 13.644 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

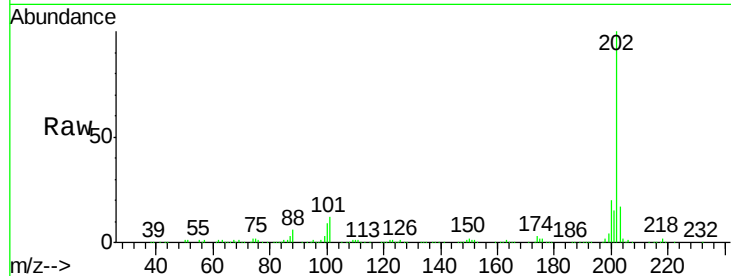
ClientSampleId :

329-343

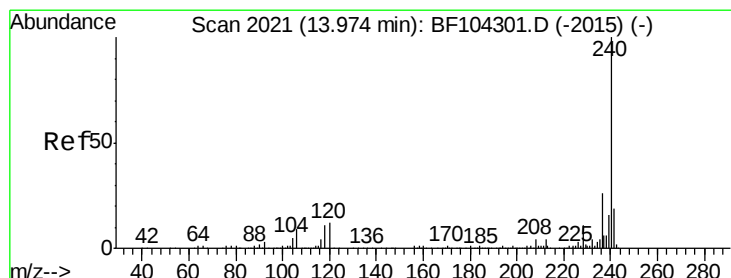
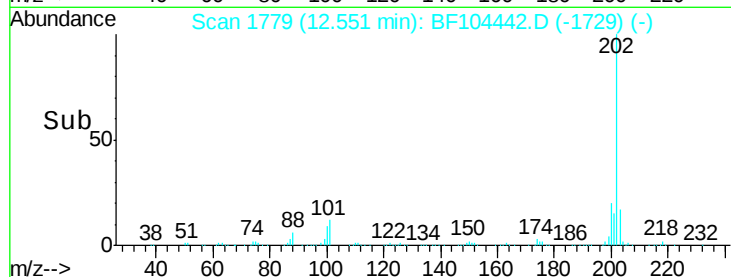
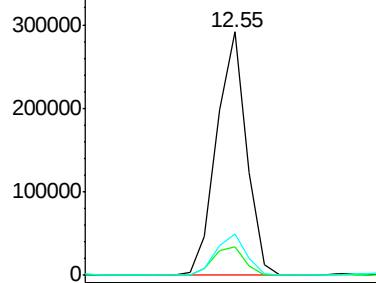
Tot Ion:	202	Resp:	238403
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

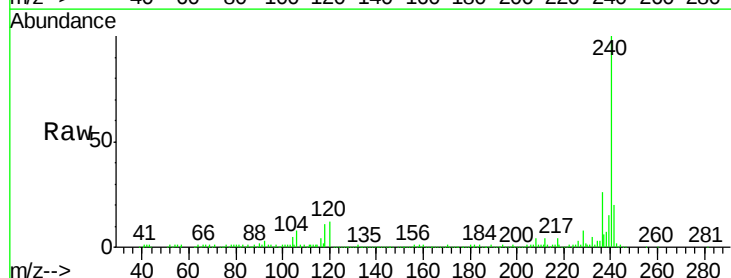
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

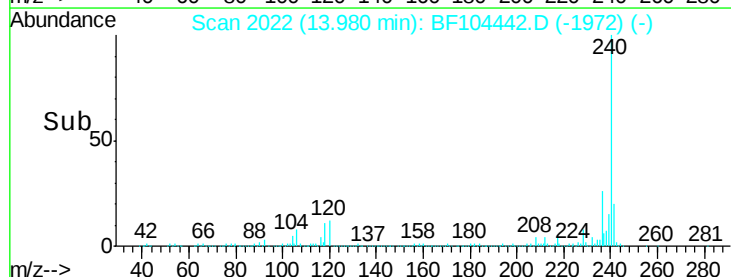
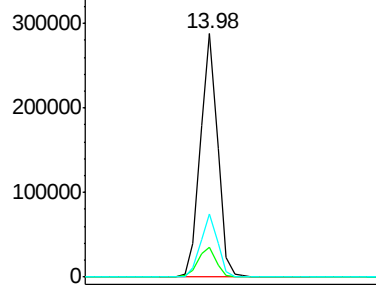
Lab File: BF104442.D

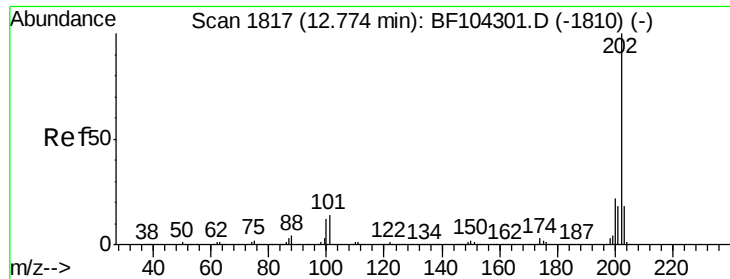
Acq: 11 Apr 2018 17:02

Tgt Ion:	240	Resp:	245377
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	26.1	20.7	31.1



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

Pvrene

Concen: 13.032 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

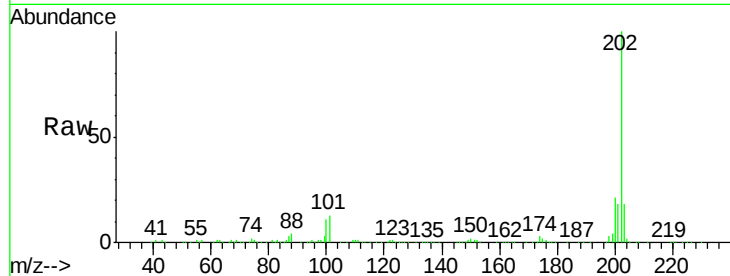
ClientSampleId :

329-343

Tot Ion:	202	Resp:	237020
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5

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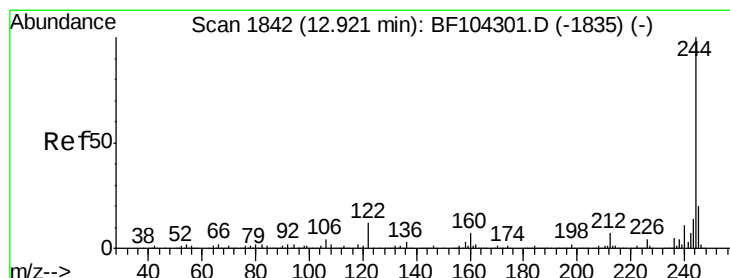
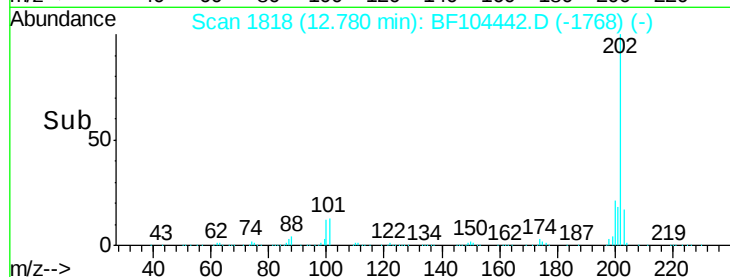
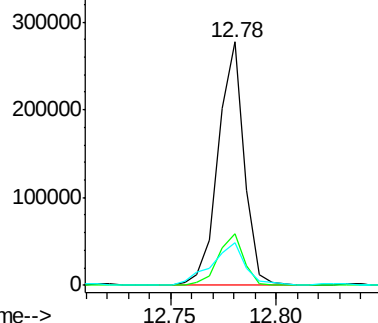
Sohil
4/12/2018 2:30:45 PM



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: 56.636 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BF104442.D

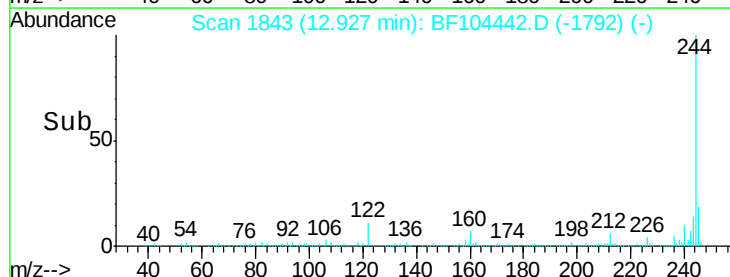
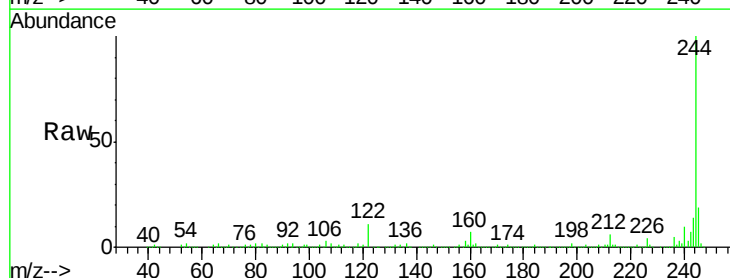
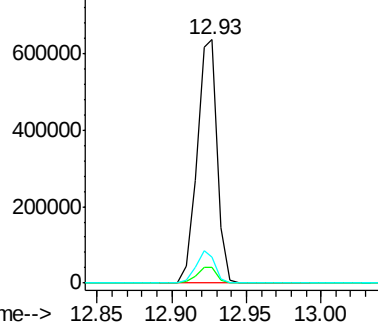
Acq: 11 Apr 2018 17:02

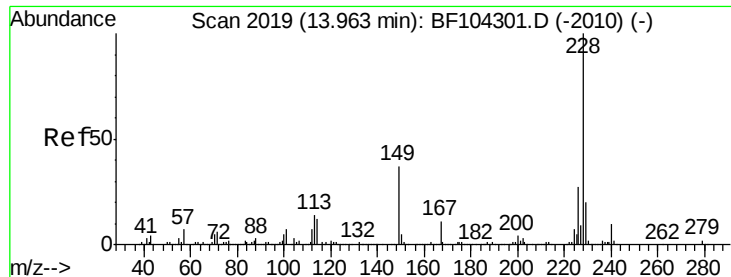
Tgt Ion:	244	Resp:	609571
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	10.9	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





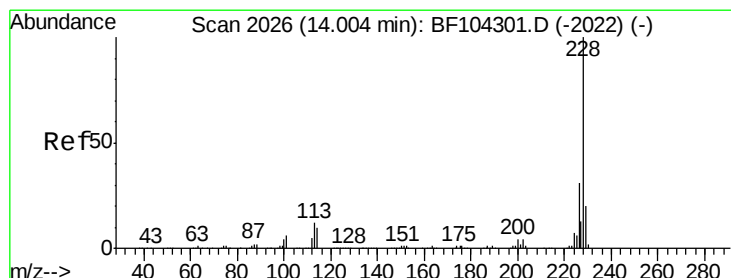
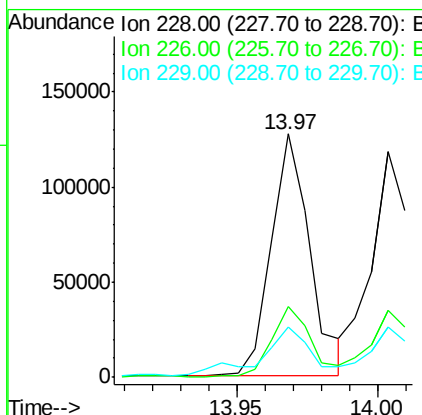
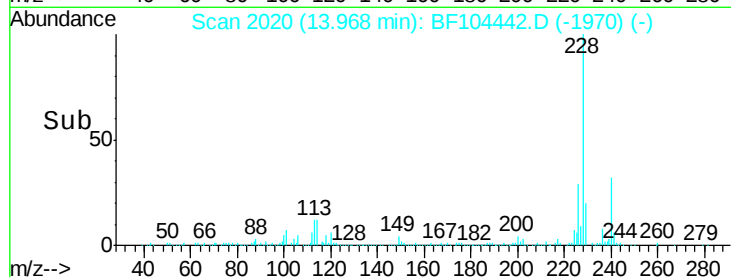
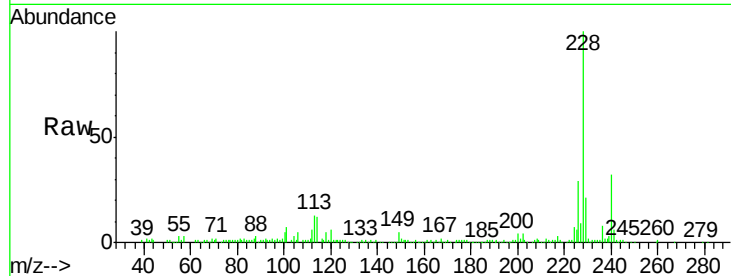
#80
Benzo(a)anthracene
Concen: 8.320 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Instrument :
BNA_F
ClientSampleId :
329-343

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.6	15.8	23.6

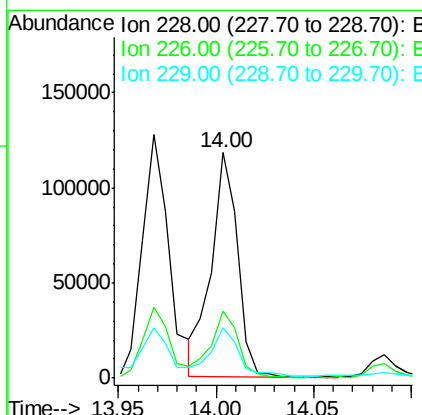
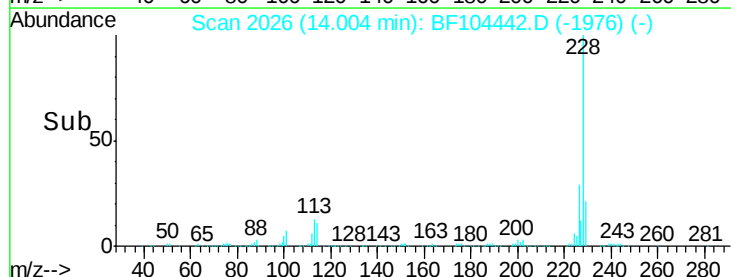
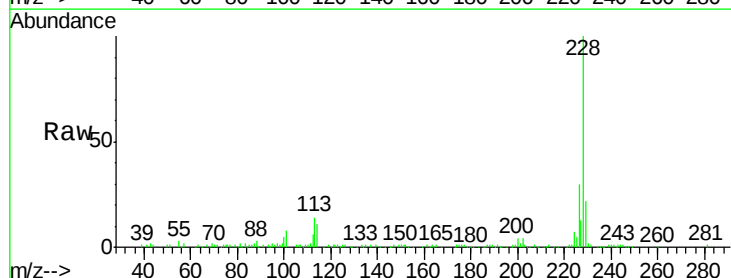
Manual Integrations
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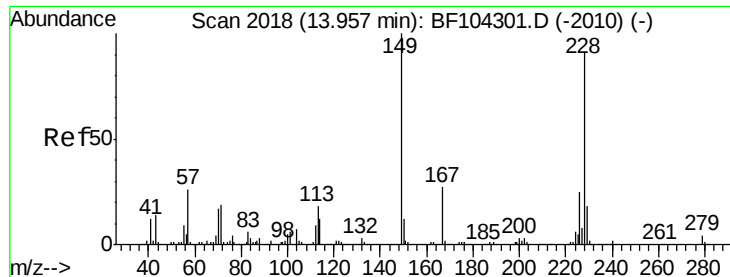
Sohil
4/12/2018 2:30:45 PM



#82
Chrysene
Concen: 7.369 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.1	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.293 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

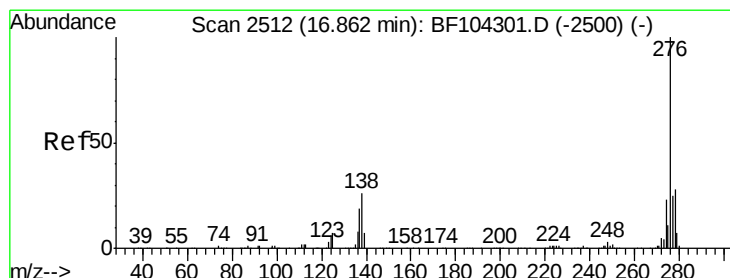
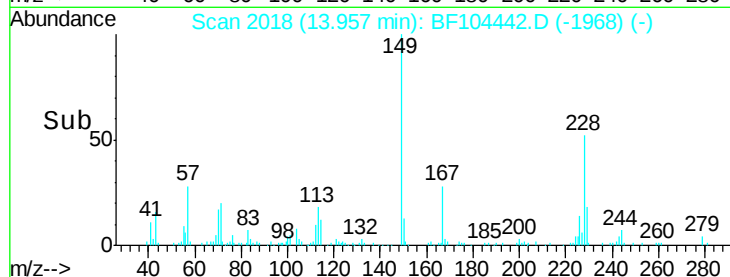
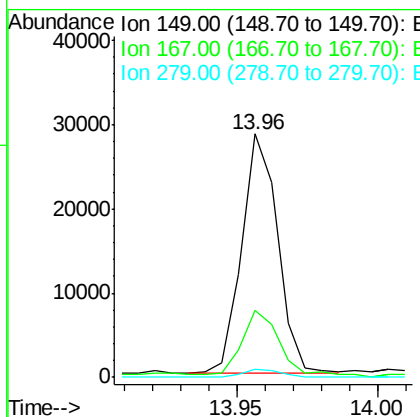
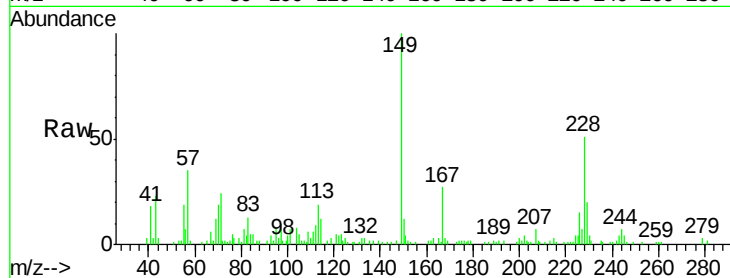
ClientSampleId :

329-343

Tot Ion:	149	Resp:	25274
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.3	31.9
279	3.5	3.0	4.4

Manual Integrations
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4/12/2018 2:30:45 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.326 ng

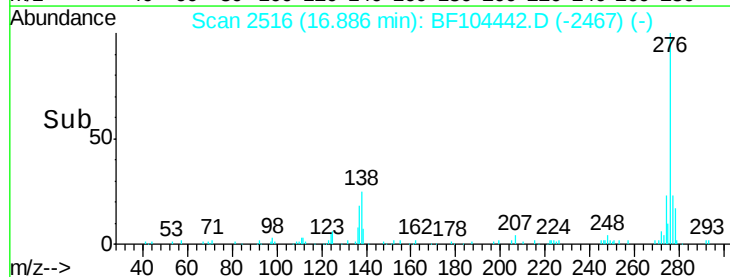
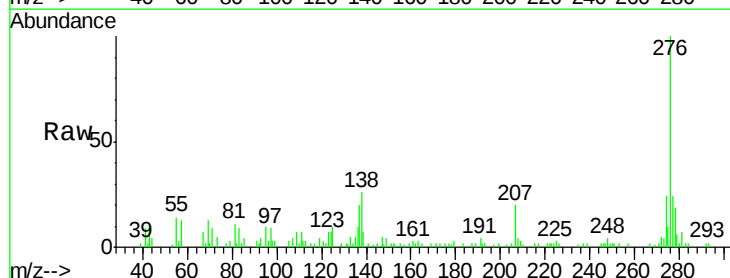
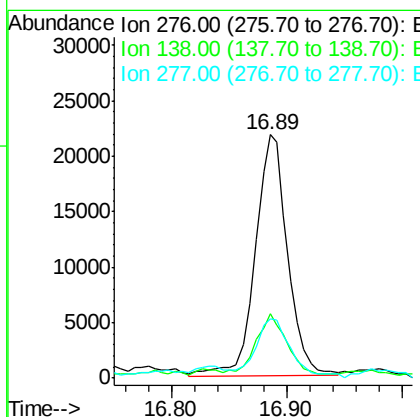
RT: 16.89 min Scan# 2516

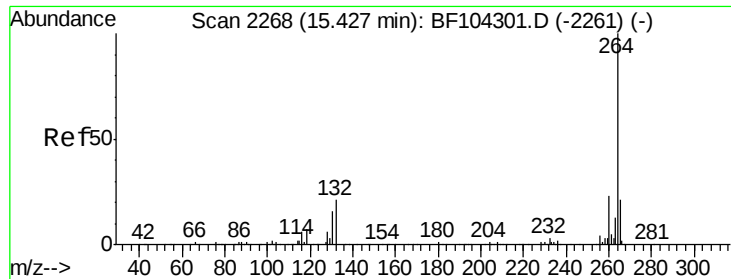
Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Tgt Ion:	276	Resp:	42544
Ion Ratio	Lower	Upper	
276	100		
138	25.0	25.0	37.6#
277	26.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Instrument :

BNA_F

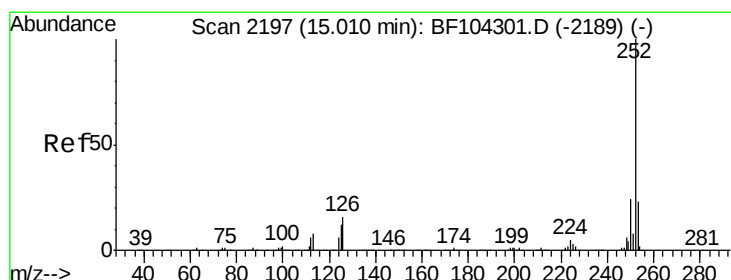
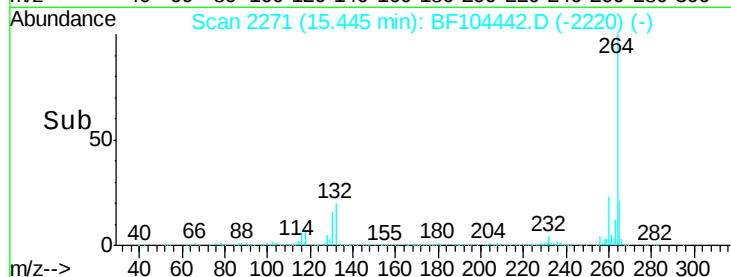
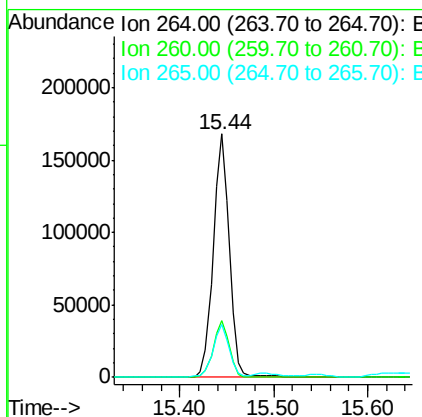
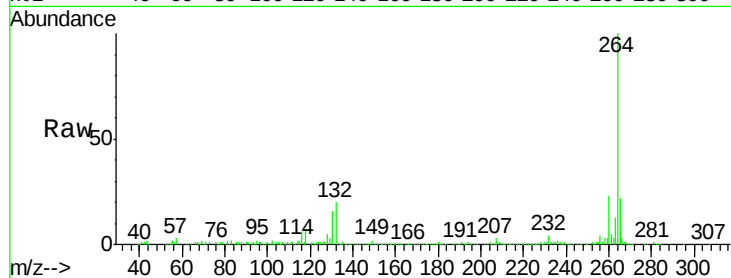
ClientSampleId :

329-343

Tot Ion:	264	Resp:	203725
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	21.7	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 9.115 ng m

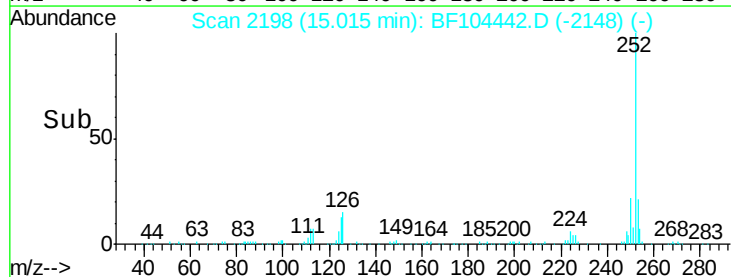
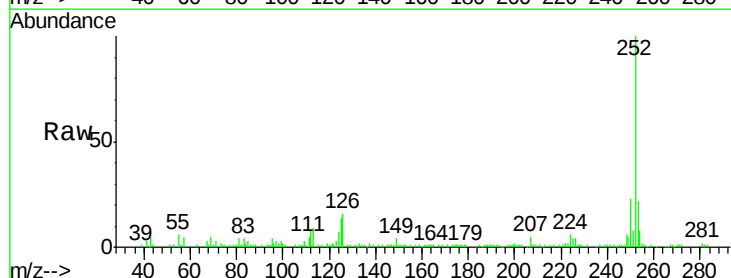
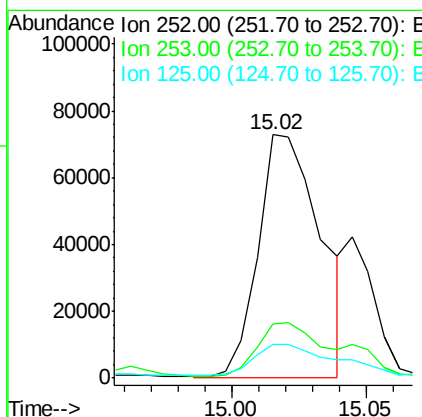
RT: 15.02 min Scan# 2198

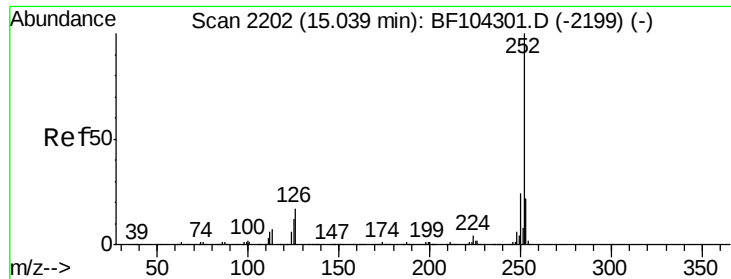
Delta R.T. -0.01 min

Lab File: BF104442.D

Acq: 11 Apr 2018 17:02

Tgt Ion:	252	Resp:	117276
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	14.0	9.0	13.6#





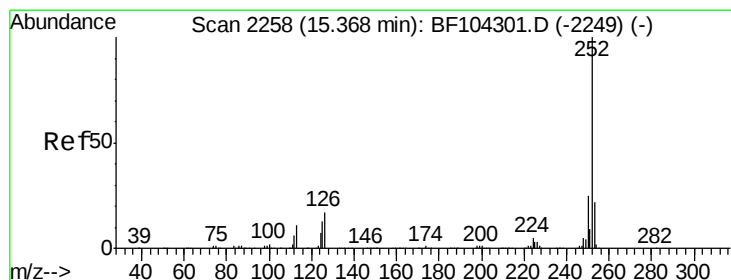
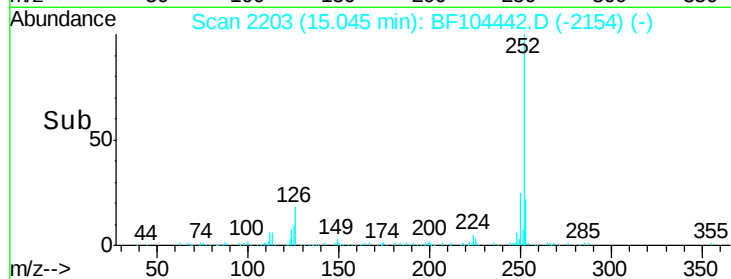
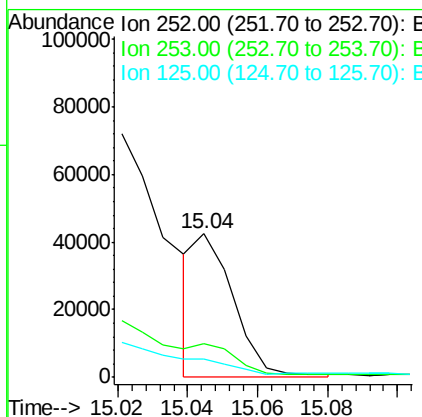
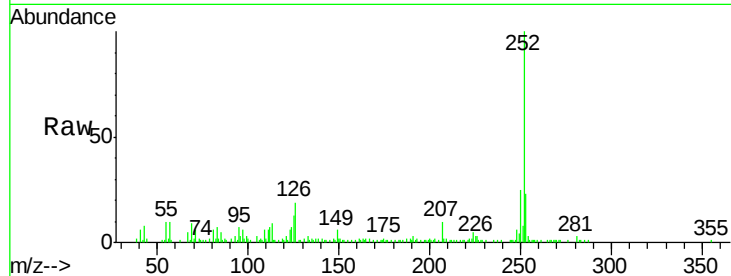
#88
Benzo(k)fluoranthene
Concen: 2.684 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Instrument :
BNA_F
ClientSampleId :
329-343

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.9	10.2	15.2

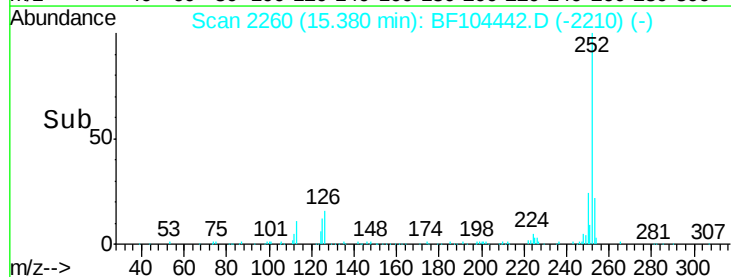
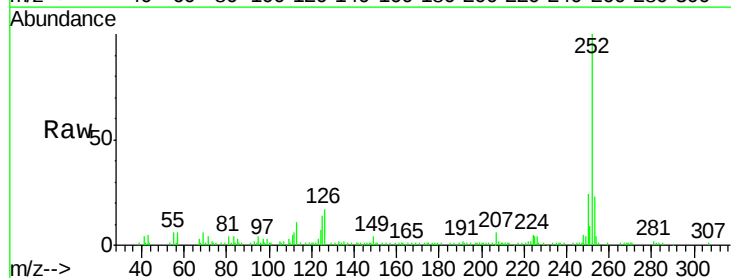
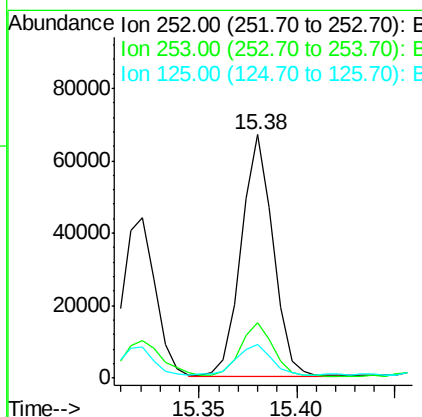
Manual Integrations
APPROVED

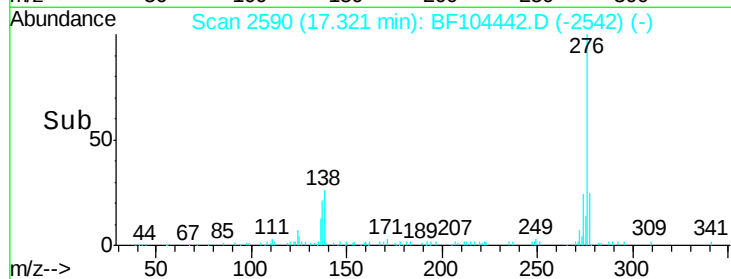
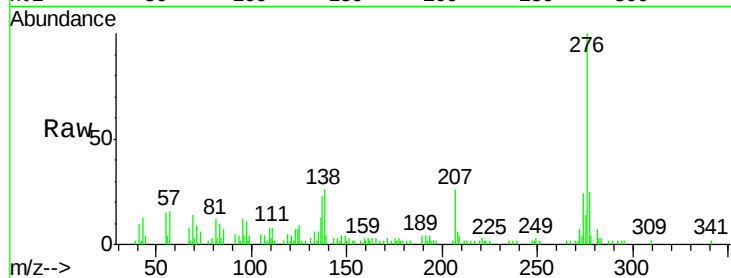
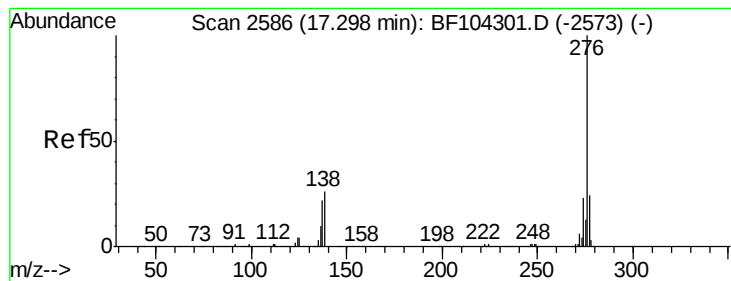
Sohil
4/12/2018 2:30:45 PM



#89
Benzo(a)pyrene
Concen: 6.571 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104442.D
Acq: 11 Apr 2018 17:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.295 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.02 min
 Lab File: BF104442.D
 Acq: 11 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
 329-343

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	26.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/12/2018 2:30:45 PM

