

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104323.D
 Acq On : 6 Apr 2018 23:16
 Operator : JU/SJ
 Sample : J2164-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-040518

Manual Integrations
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 4/9/2018 11:18:39 AM

Quant Time: Apr 07 00:31:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139023	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	550035	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	238206	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	350508	20.00	ng	0.00
75) Chrysene-d12	13.97	240	285501	20.00	ng	0.00
86) Perylene-d12	15.43	264	254645	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	378275	41.60	ng	0.00
7) Phenol-d6	6.42	99	460683	41.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	251954	29.91	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	87718	35.50	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	476543	31.60	ng	0.00
78) Terphenyl-d14	12.92	244	314780	25.14	ng	0.00
Target Compounds						Qvalue
74) Fluoranthene	12.54	202	64318	3.154	ng	98
77) Pyrene	12.77	202	72347	3.419	ng	98
80) Benzo(a)anthracene	13.96	228	40123	2.352	ng	95
82) Chrysene	13.99	228	36516	2.084	ng	97
87) Benzo(b)fluoranthene	15.00	252	50305m	3.128	ng	
89) Benzo(a)pyrene	15.36	252	35216	2.447	ng	# 89

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

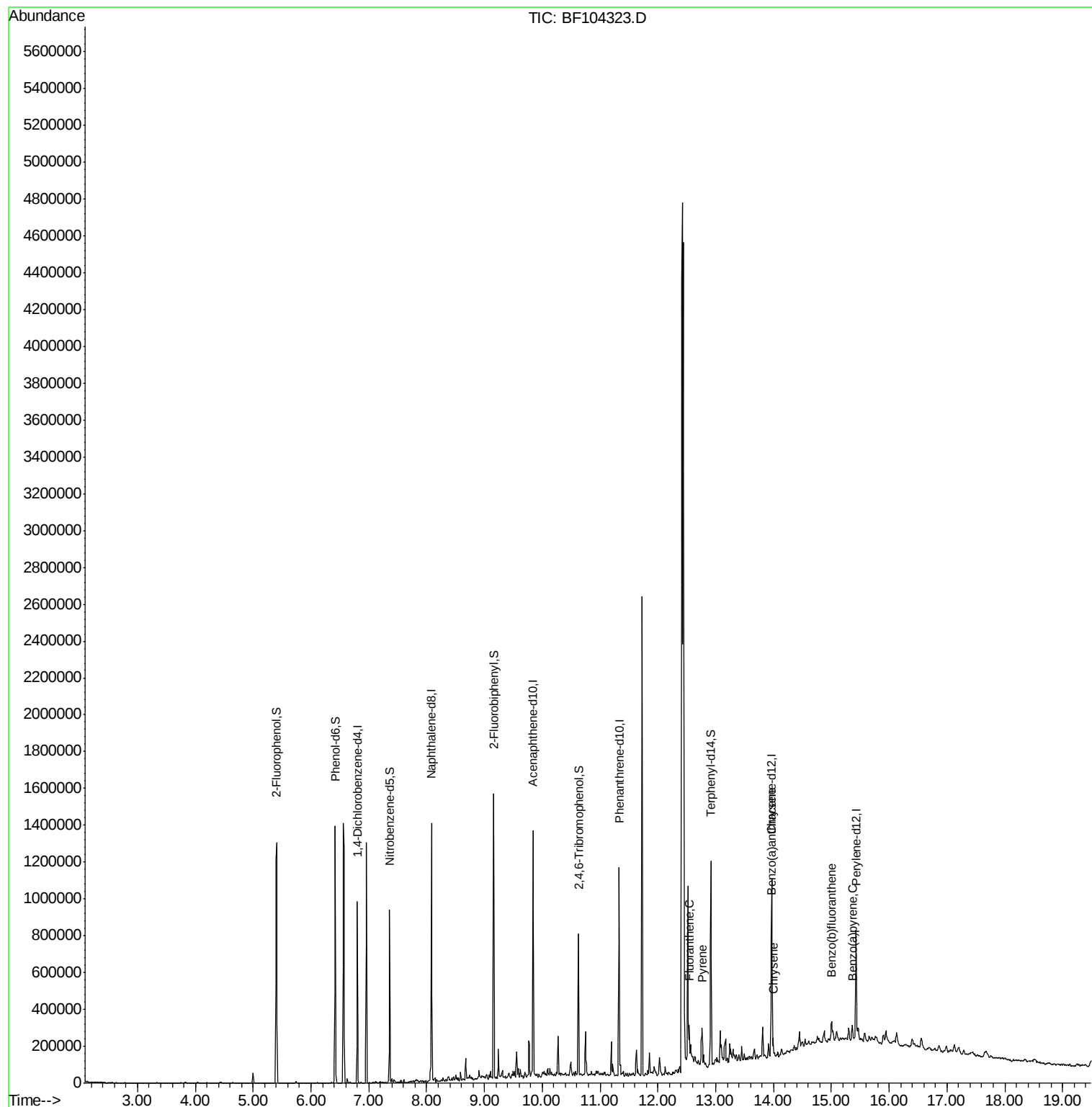
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
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#1

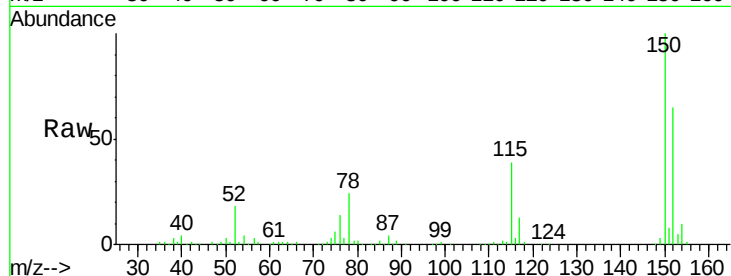
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
SA-01-040518

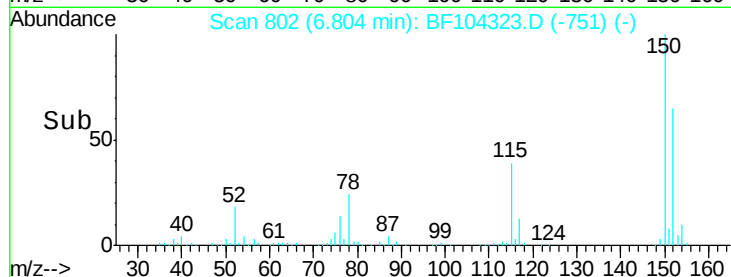
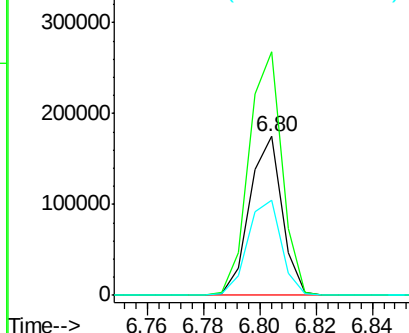
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	60.2	50.1	75.1

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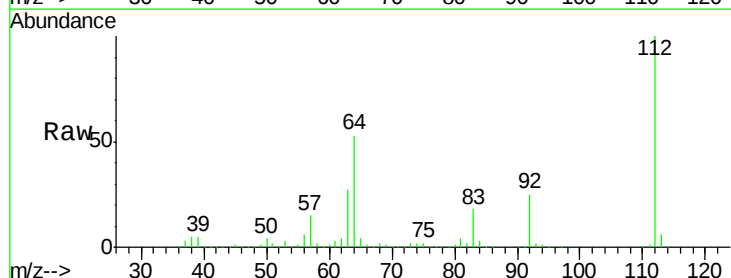
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



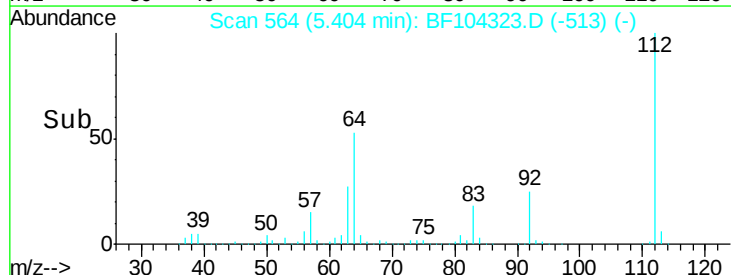
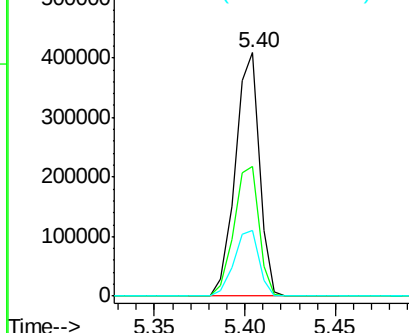
#5

2-Fluorophenol
Concen: 41.605 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.9	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: 41.238 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

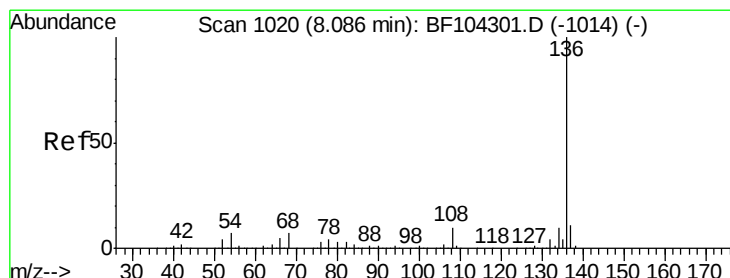
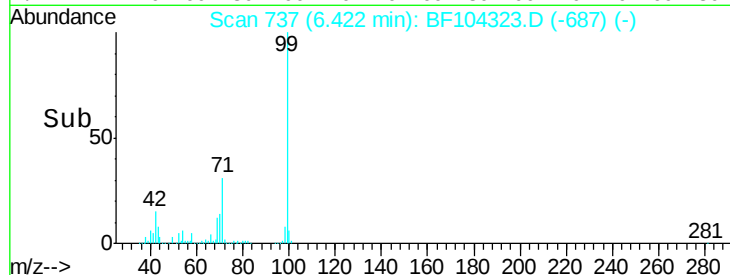
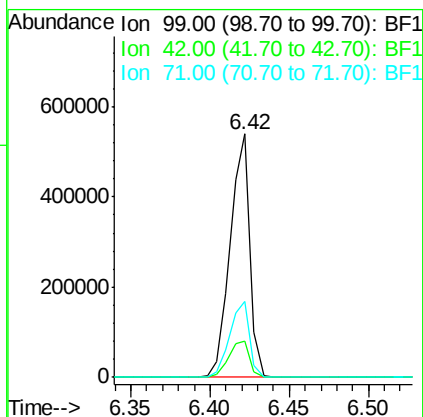
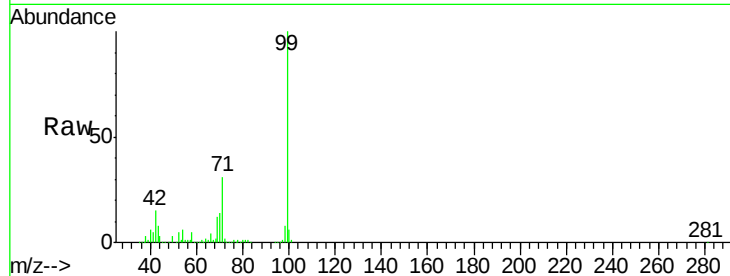
ClientSampleId :

SA-01-040518

Tot Ion:	99	Resp:	460683
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.5	21.7
71	31.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

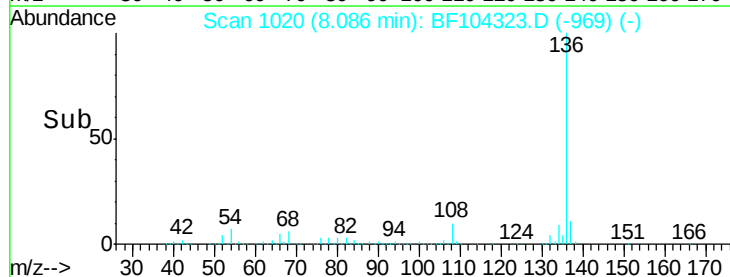
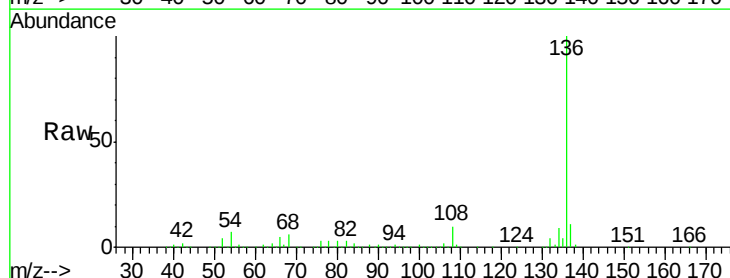
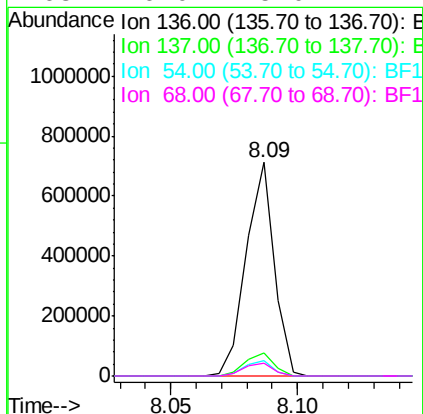
RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Tgt Ion:	136	Resp:	550035
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	6.0	5.0	7.4





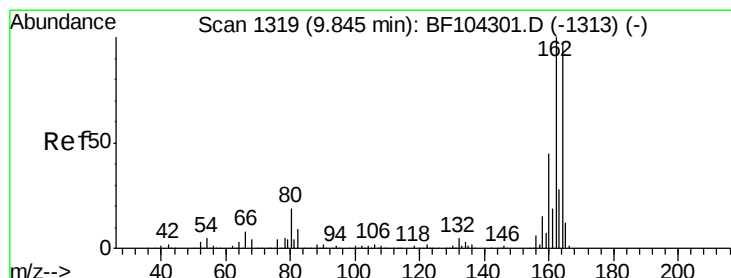
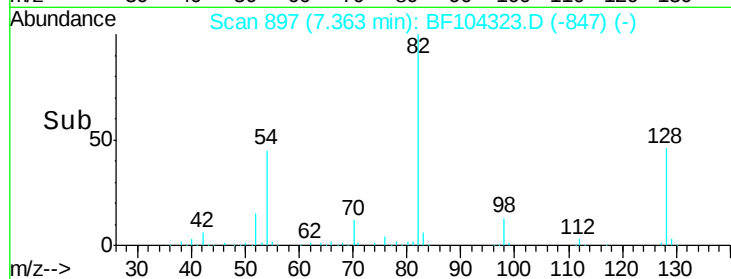
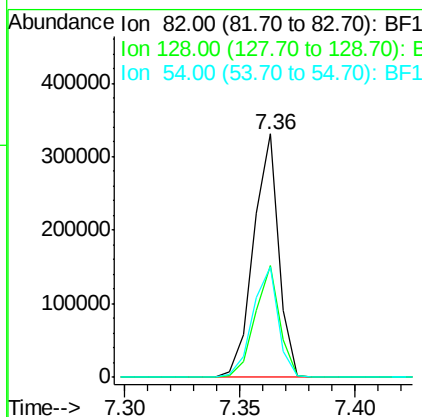
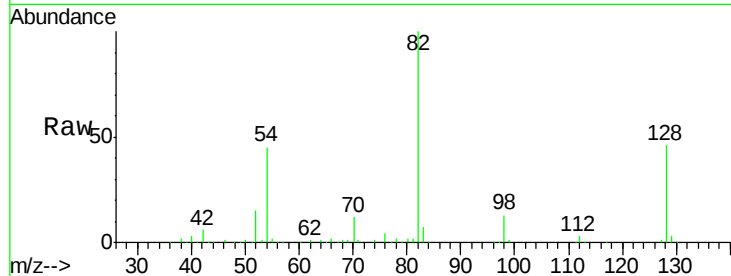
#23
Nitrobenzene-d5
Concen: 29.911 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
SA-01-040518

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	45.2	41.4	62.2

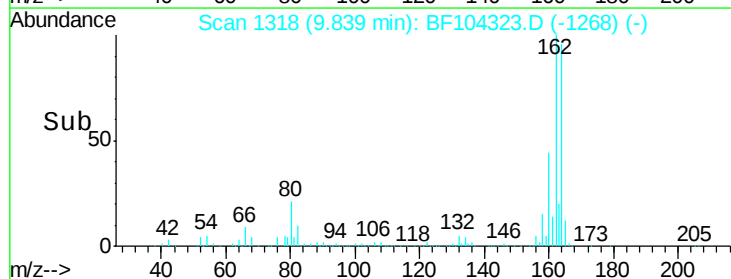
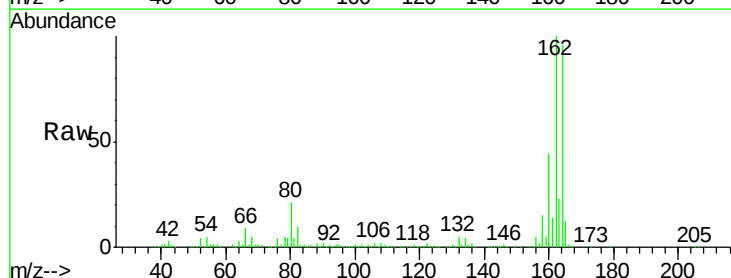
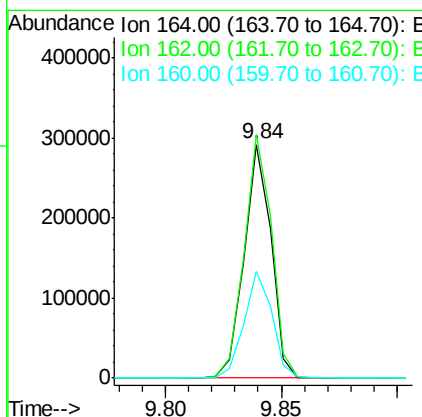
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.8	38.3	57.5





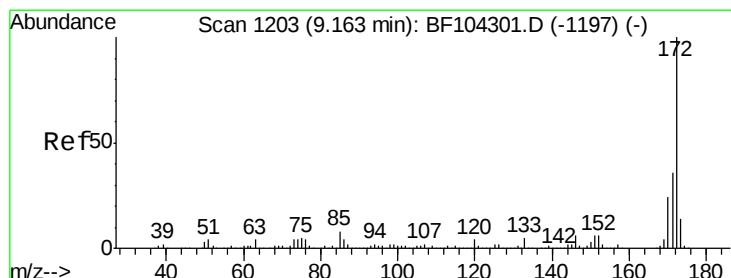
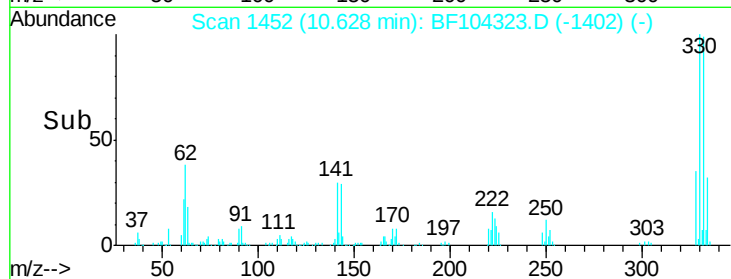
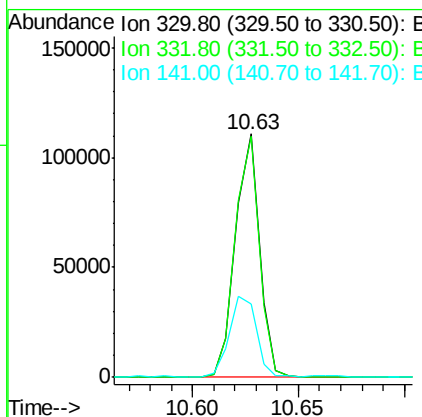
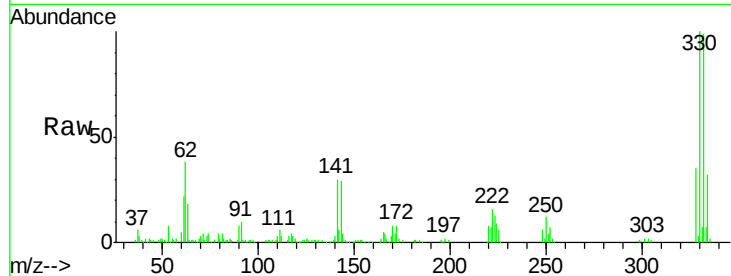
#41
 2,4,6-Tribromophenol
 Concen: 35.499 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-040518

Tot Ion	Ratio	Resp	Lower	Upper
330	100	87718		
332	98.9	77.0	115.6	
141	37.5	29.9	44.9	

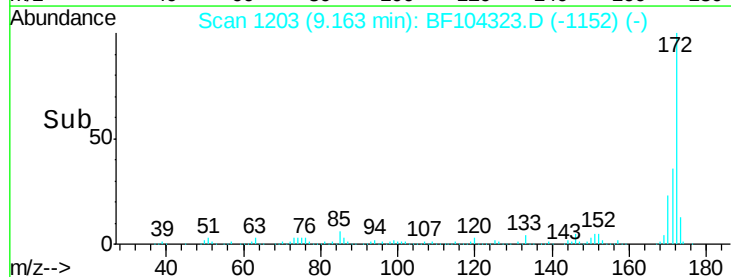
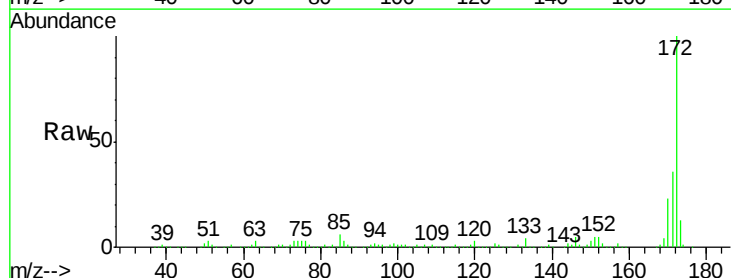
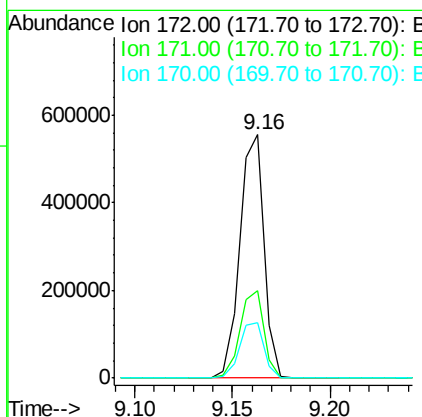
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#44
 2-Fluorobiphenyl
 Concen: 31.604 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	476543		
171	36.1	29.7	44.5	
170	22.9	19.6	29.4	





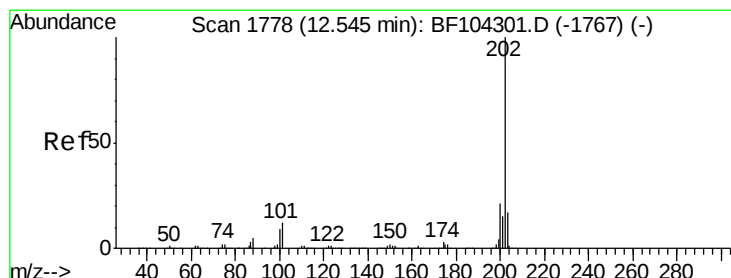
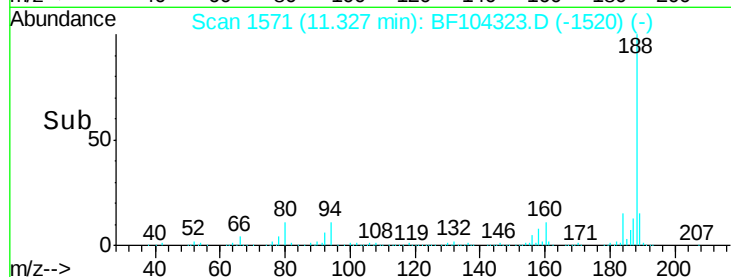
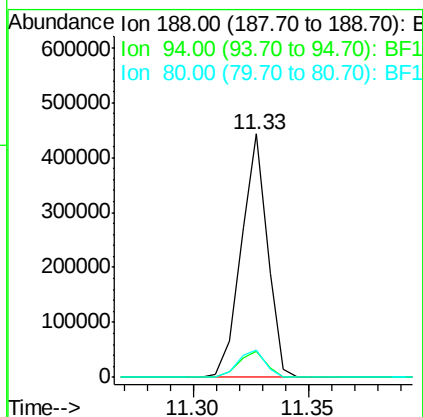
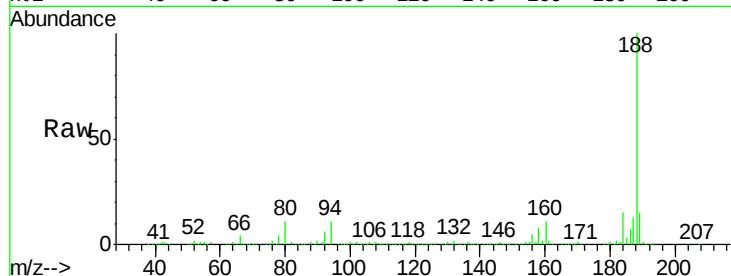
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
SA-01-040518

Tot Ion	Ratio	Resp	Lower	Upper
188	100	350508		
94	10.9		8.5	12.7
80	11.1		9.2	13.8

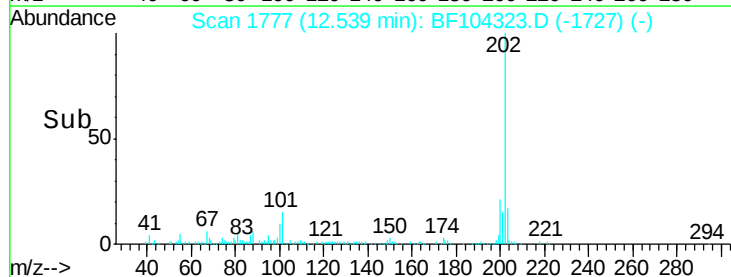
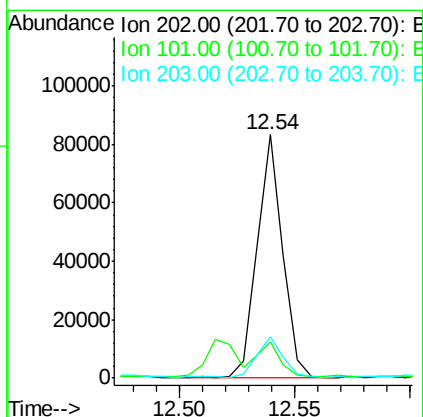
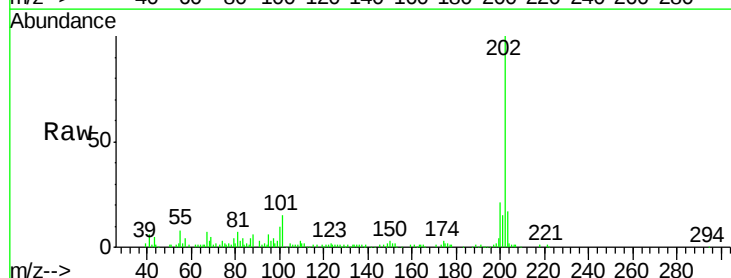
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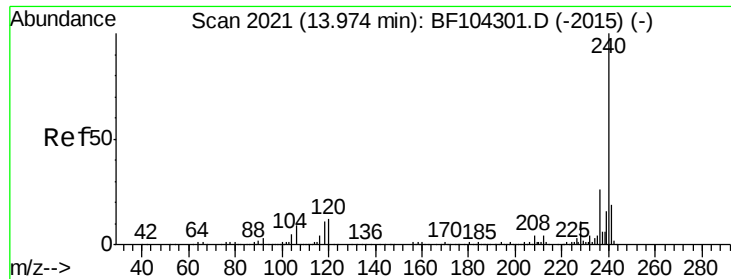
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#74
Fluoranthene
Concen: 3.154 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	64318		
101	14.7		0.0	34.1
203	16.7		0.0	38.1





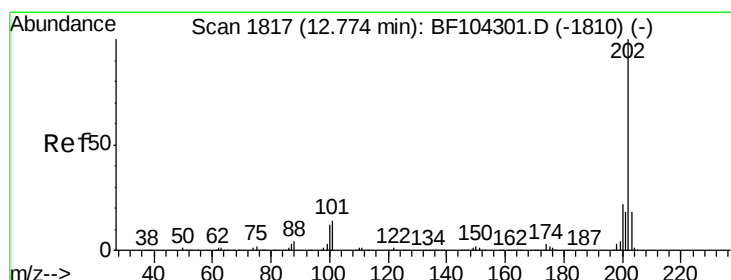
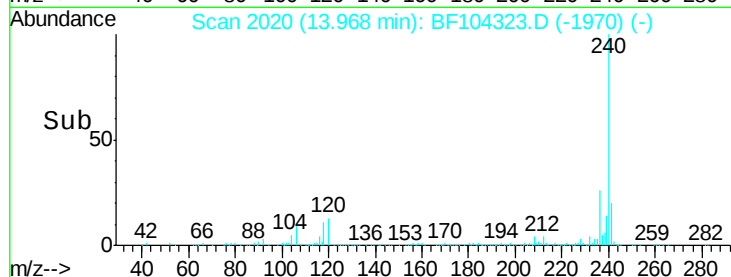
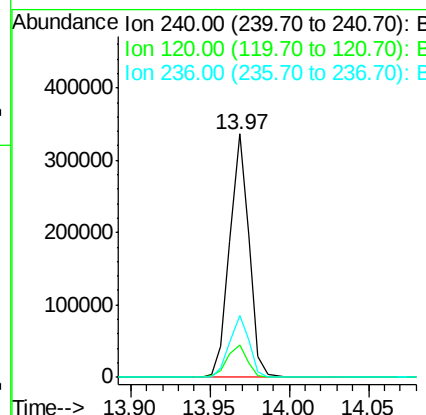
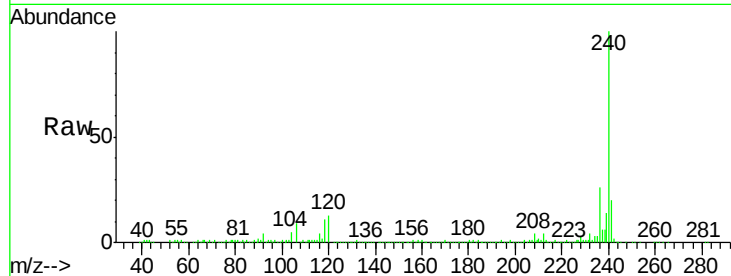
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
SA-01-040518

Tot Ion	Ratio	Resp	Lower	Upper
240	100	285501		
120	13.5		9.5	14.3
236	25.6		20.7	31.1

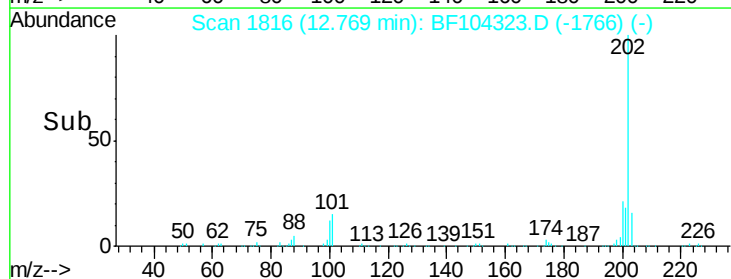
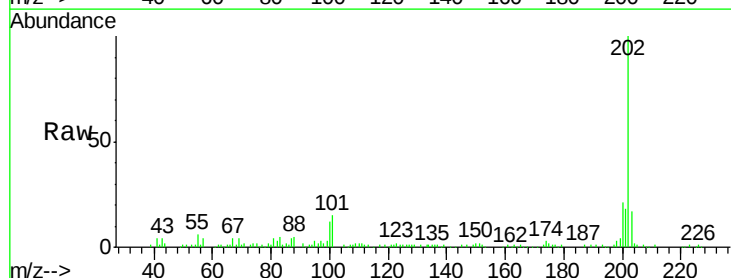
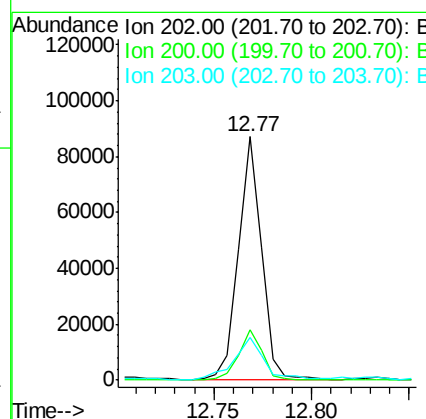
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#77
Pyrene
Concen: 3.419 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	72347		
200	20.7		17.4	26.2
203	17.4		14.3	21.5





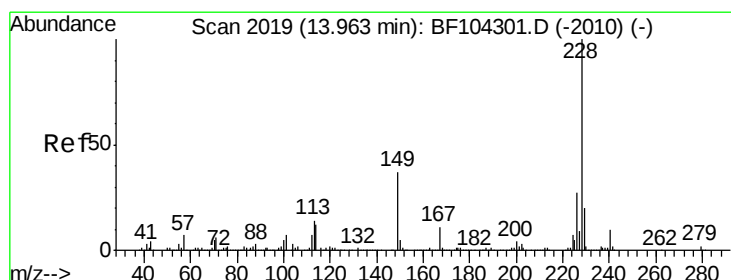
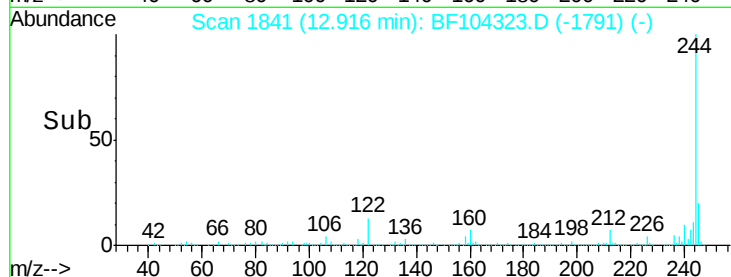
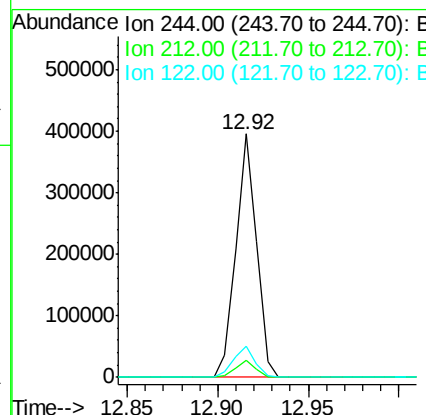
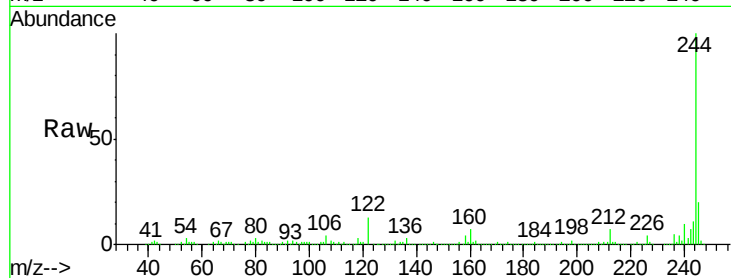
#78
 Terphenyl-d14
 Concen: 25.136 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-040518

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.9	11.0	16.4

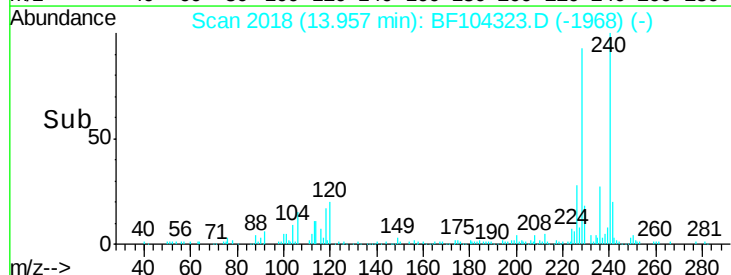
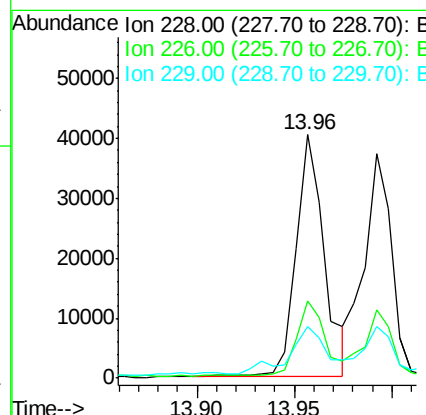
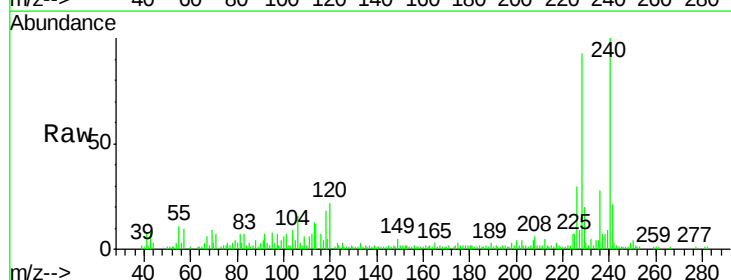
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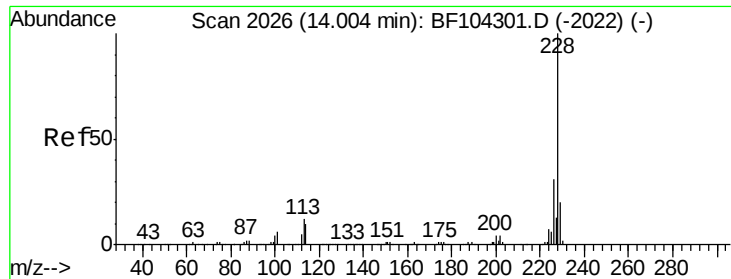
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#80
 Benzo(a)anthracene
 Concen: 2.352 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	21.0	15.8	23.6





#82

Chrysene

Concen: 2.084 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

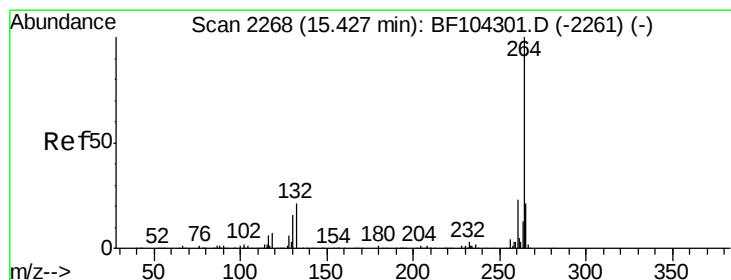
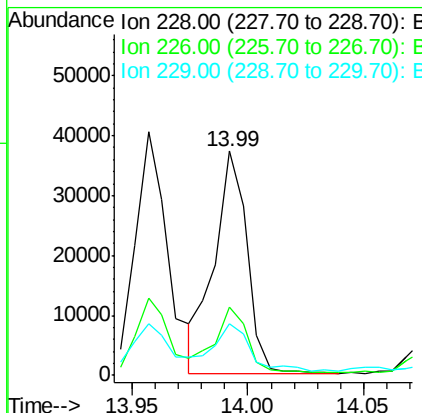
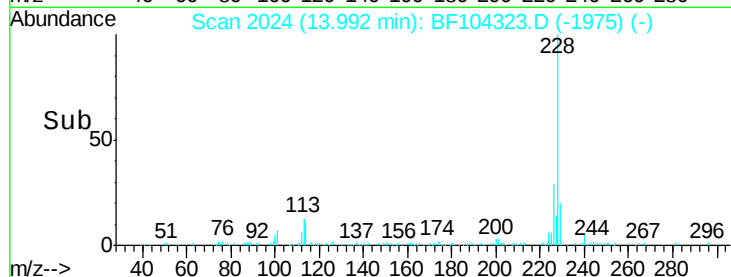
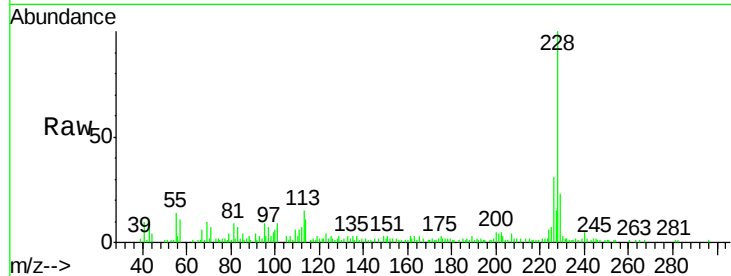
ClientSampleId :

SA-01-040518

Tot Ion:	228	Resp:	36516
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.9	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

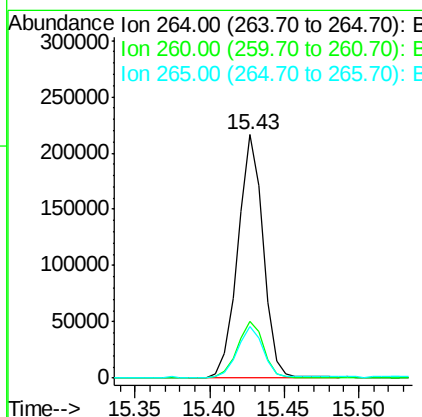
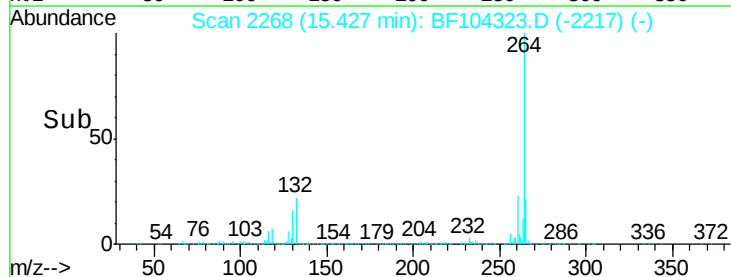
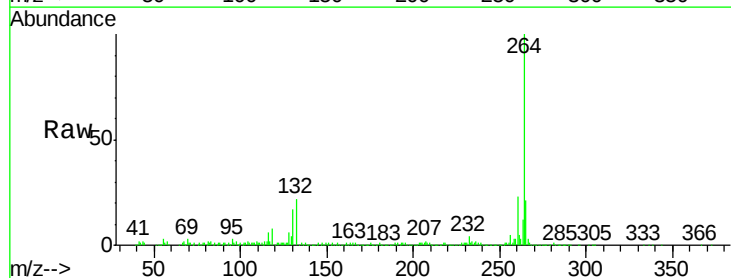
RT: 15.43 min Scan# 2268

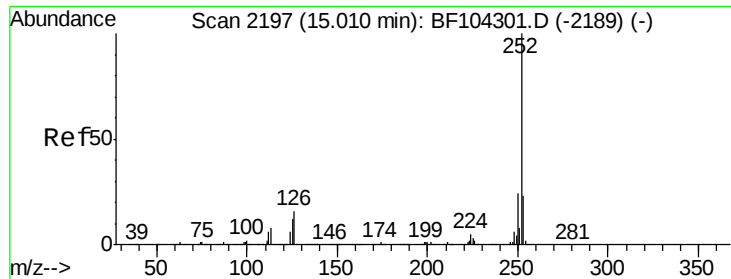
Delta R.T. 0.00 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Tgt Ion:	264	Resp:	254645
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	21.2	17.5	26.3





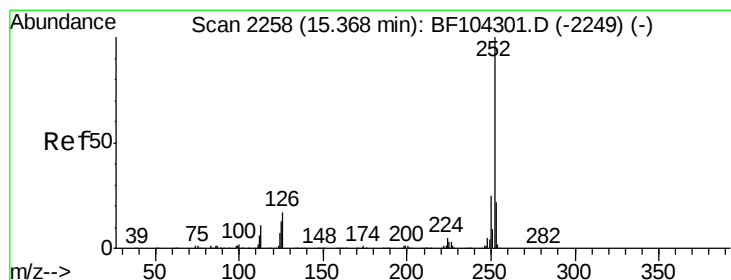
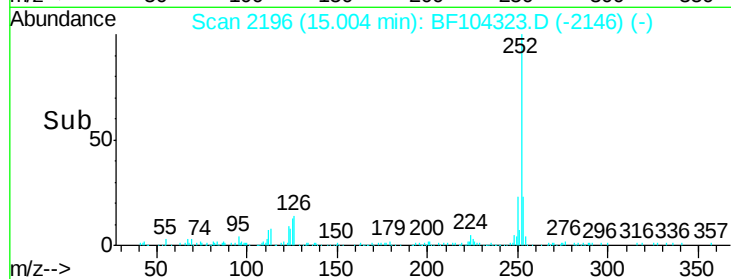
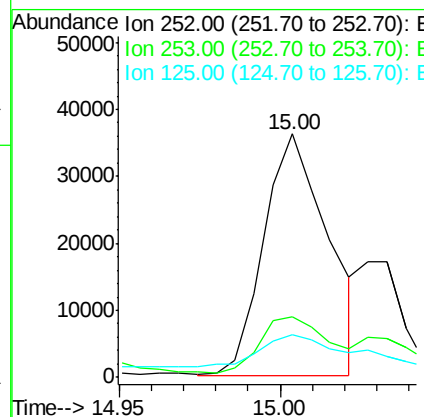
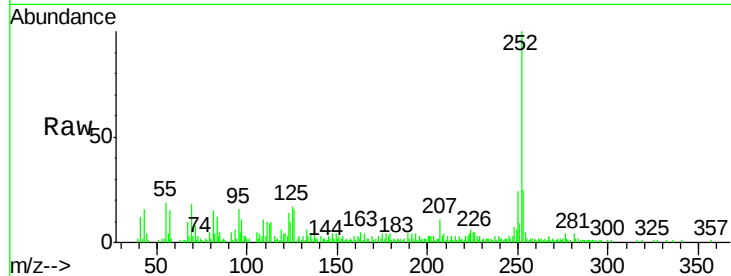
#87
Benzo(b)fluoranthene
Concen: 3.128 ng/mL
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleID :
SA-01-040518

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	17.3	9.0	13.6

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:39 AM



#89
Benzo(a)pyrene
Concen: 2.447 ng/mL
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	19.9	9.8	14.6

