

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104449.D
 Acq On : 12 Apr 2018 14:28
 Operator : JU/SJ
 Sample : J2163-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041118-D

Manual Integrations
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 4/13/2018 4:43:54 PM

Quant Time: Apr 13 10:01:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	144268	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	595373	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	270492	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	449100	20.00	ng	0.00
75) Chrysene-d12	13.98	240	289128	20.00	ng	-0.01
86) Perylene-d12	15.46	264	271994	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	906802	96.11	ng	0.01
7) Phenol-d6	6.44	99	1107382	95.52	ng	0.00
23) Nitrobenzene-d5	7.37	82	691800	75.87	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	264061	94.11	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1115500	65.15	ng	0.00
78) Terphenyl-d14	12.93	244	875727	69.05	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	24663	2.005	ng	96
49) Dimethylphthalate	9.56	163	100244	4.700	ng	100
70) Phenanthrene	11.36	178	55569	2.222	ng	98
74) Fluoranthene	12.55	202	218242	8.352	ng	97
77) Pyrene	12.78	202	228115	10.644	ng	98
80) Benzo(a)anthracene	13.97	228	138260	8.004	ng	95
82) Chrysene	14.01	228	135655	7.646	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	117966m	7.827	ng	
87) Benzo(b)fluoranthene	15.03	252	227717m	13.256	ng	
88) Benzo(k)fluoranthene	15.06	252	81575m	5.030	ng	
89) Benzo(a)pyrene	15.39	252	164082	10.675	ng	97
90) Dibenzo(a,h)anthracene	16.91	278	25415m	2.013	ng	
91) Benzo(a,h,i)perylene	17.34	276	110386	9.025	ng	94

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

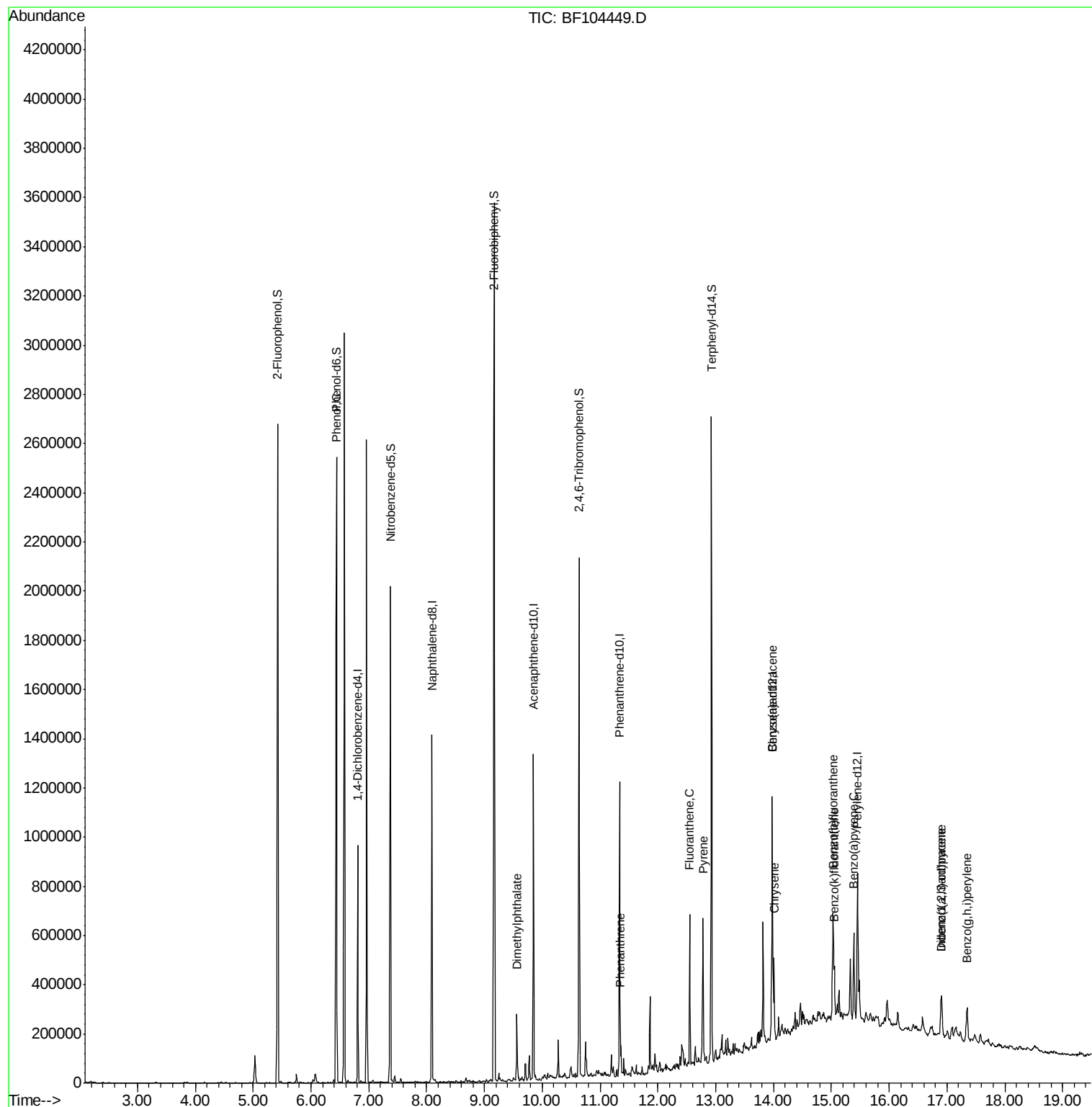
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
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#1

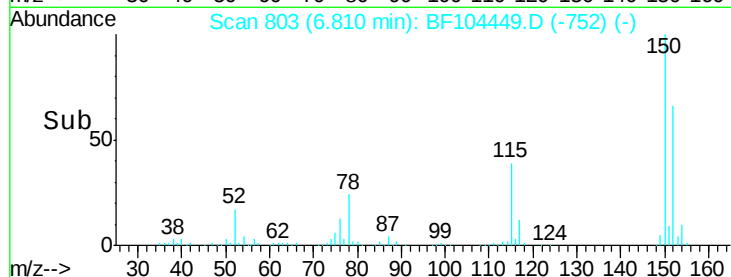
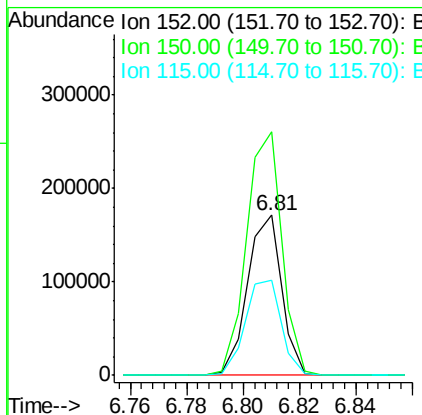
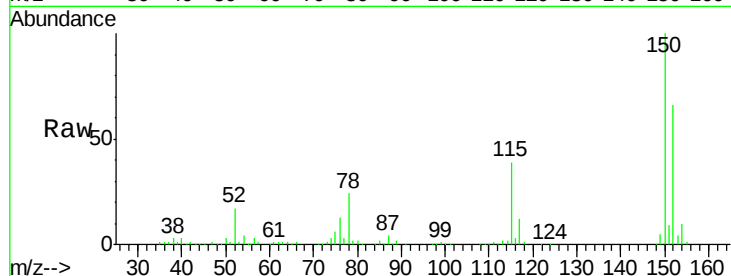
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	59.7	50.1	75.1

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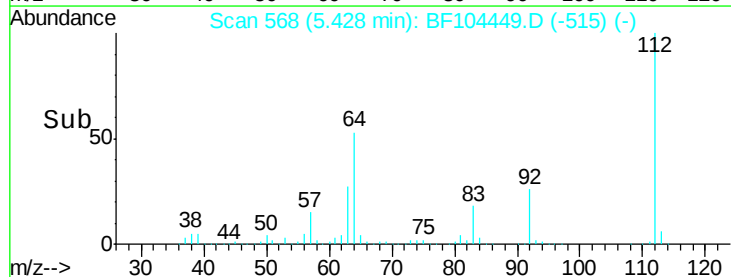
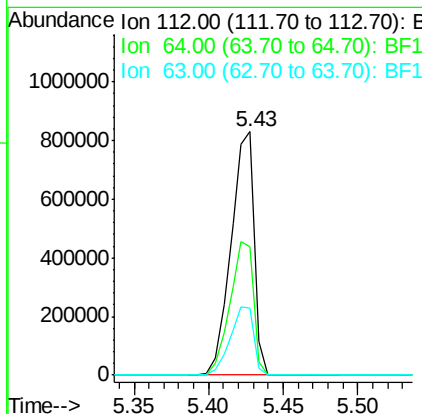
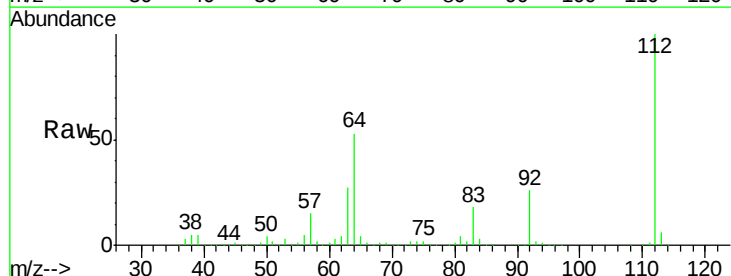
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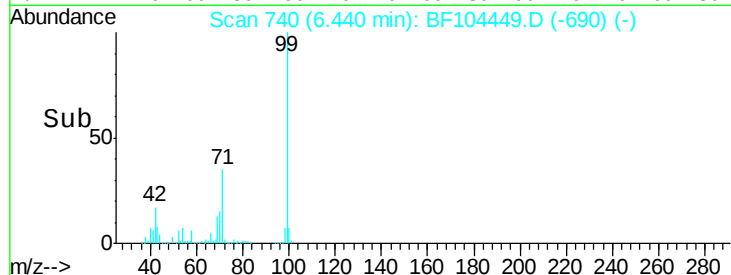
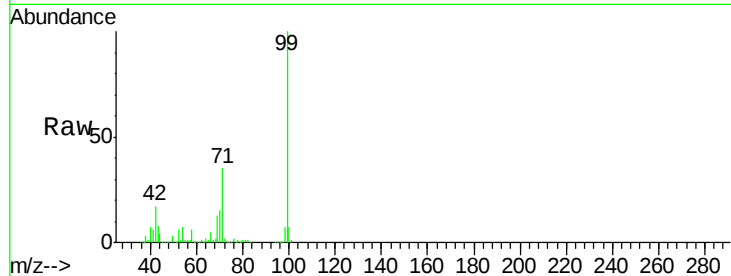


#5

2-Fluorophenol
Concen: 96.109 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 95.524 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Tot Ion: 99 Resp: 1107382

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 34.5 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

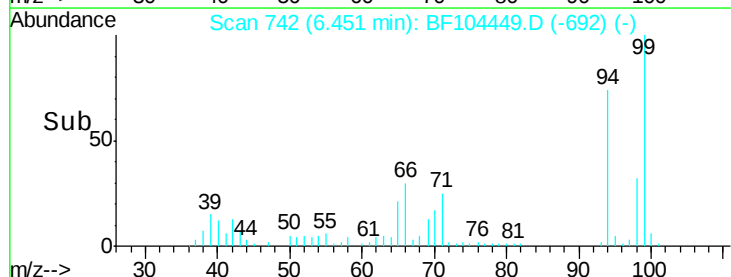
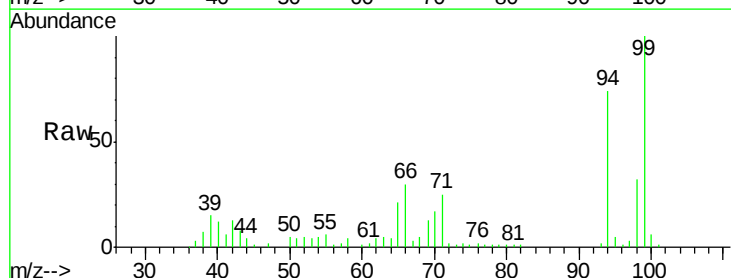
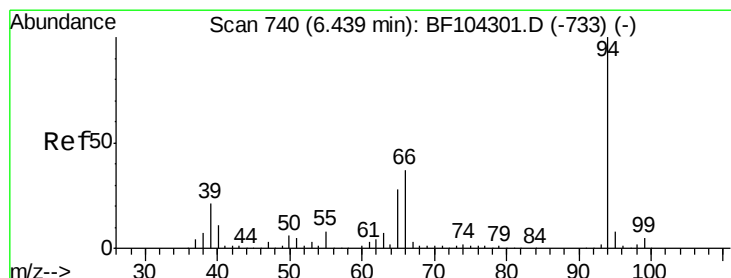
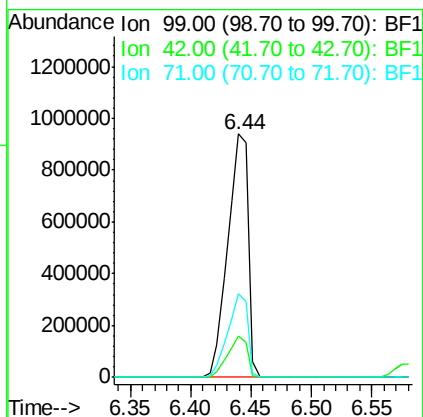
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#10

Phenol

Concen: 2.005 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

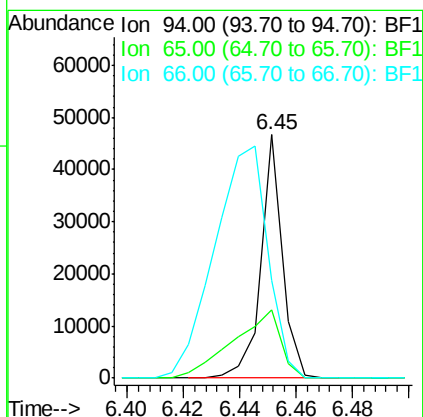
Tgt Ion: 94 Resp: 24663

Ion Ratio Lower Upper

94 100

65 28.2 7.9 47.9

66 39.9 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

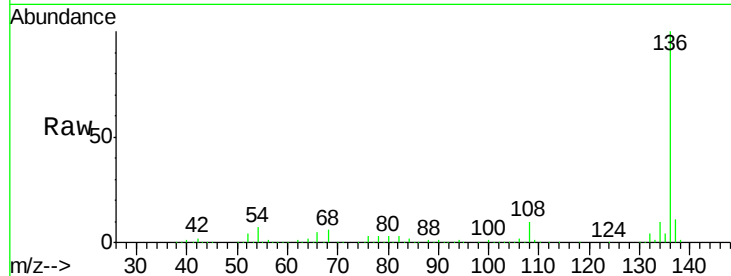
ClientSampleId :

PL-01-041118-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100	595373		
137	10.8	8.9	13.3	
54	6.7	6.6	9.8	
68	5.8	5.0	7.4	

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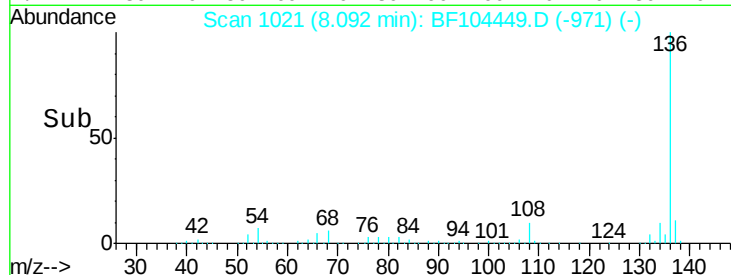
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

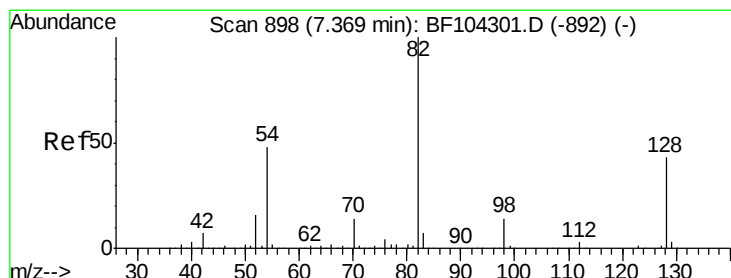
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 75.874 ng

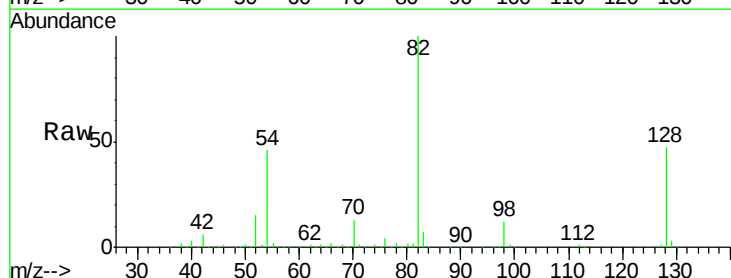
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	691800		
128	47.2	36.1	54.1	
54	45.7	41.4	62.2	

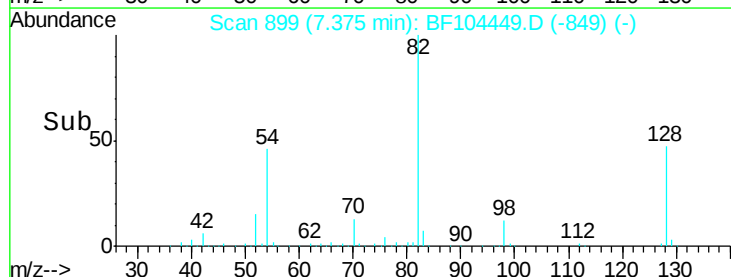


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->



Time-->



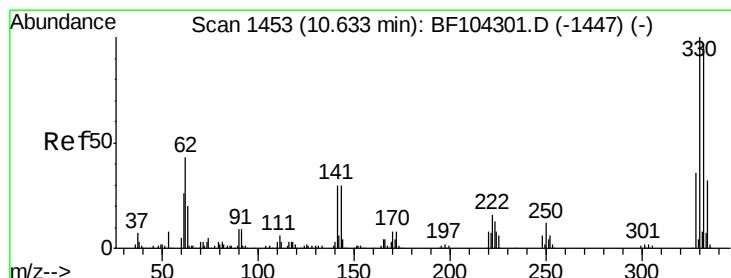
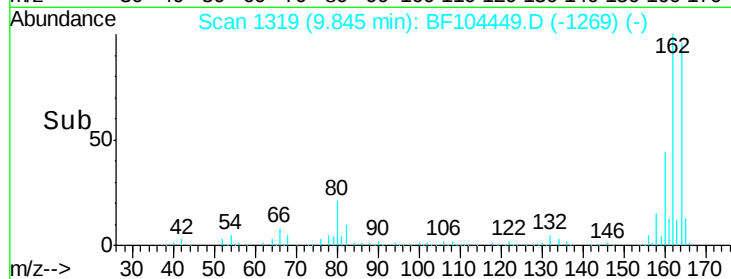
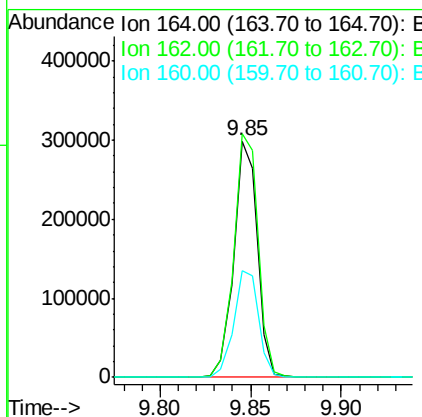
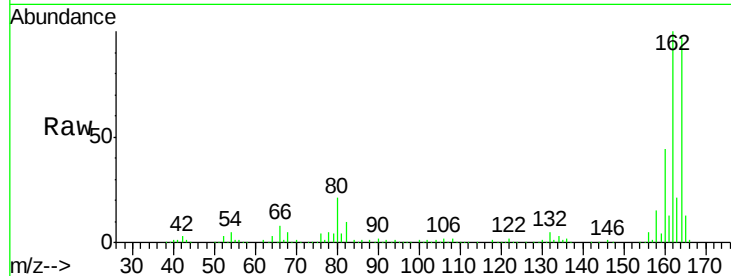
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	86.1	129.1	
160	45.1	38.3	57.5	

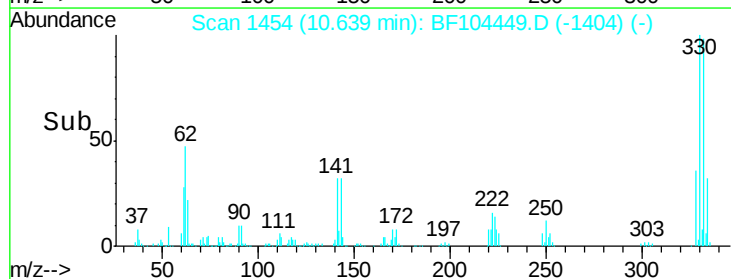
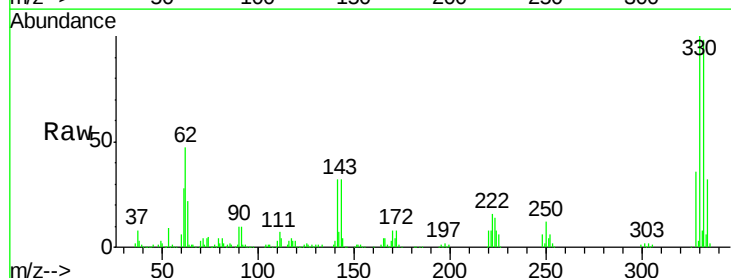
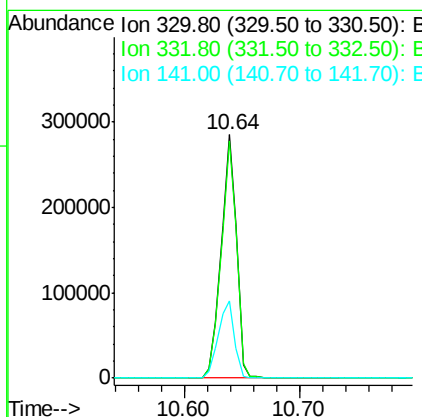
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#41
2,4,6-Tribromophenol
Concen: 94.110 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	77.0	115.6	
141	33.4	29.9	44.9	





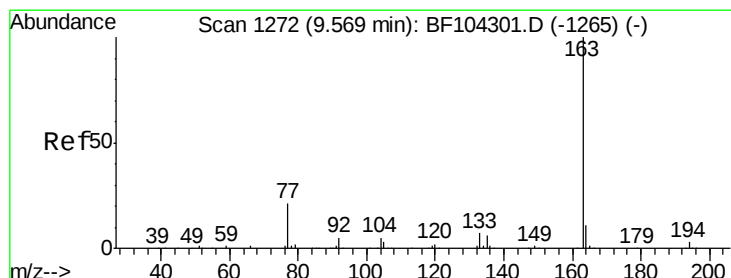
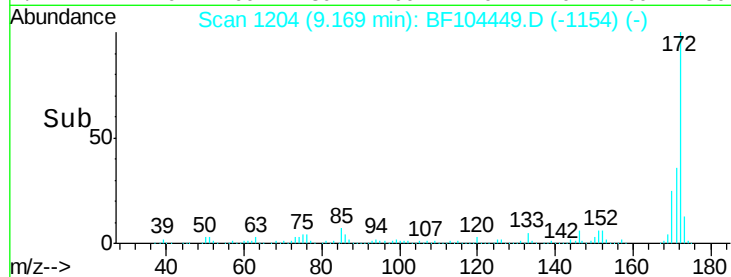
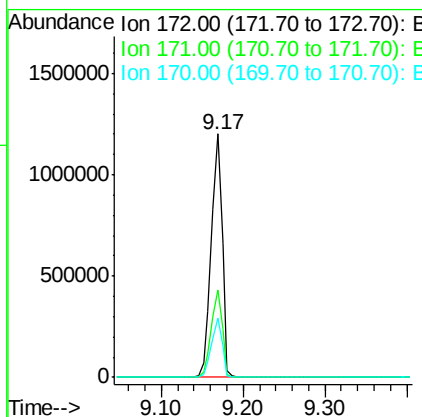
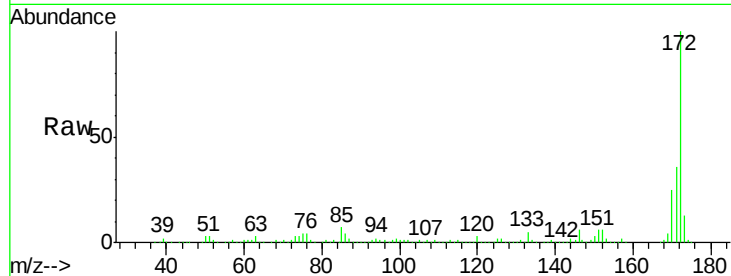
#44
2-Fluorobiphenyl
Concen: 65.148 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.6	19.6	29.4

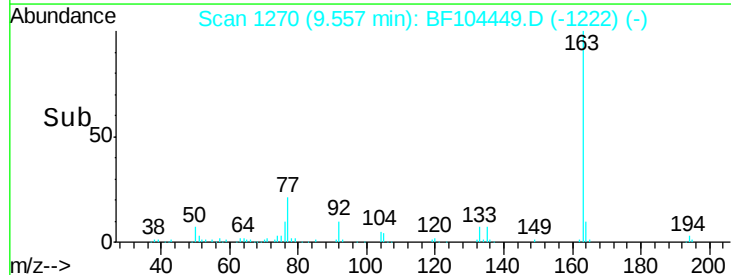
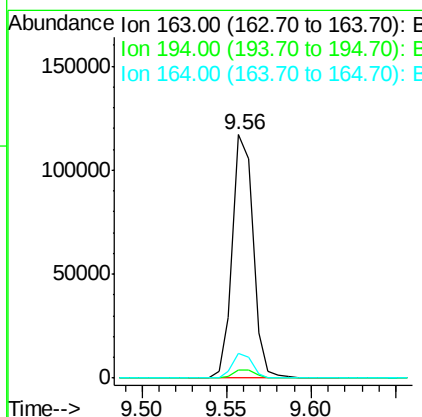
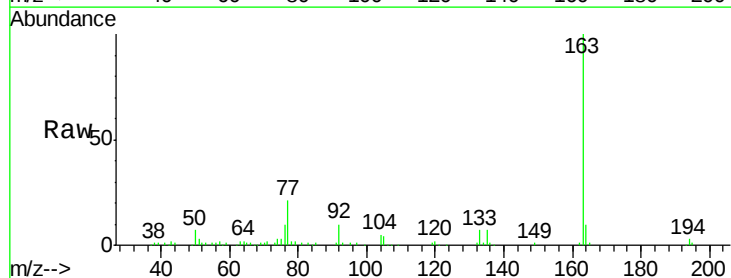
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#49
Dimethylphthalate
Concen: 4.700 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2





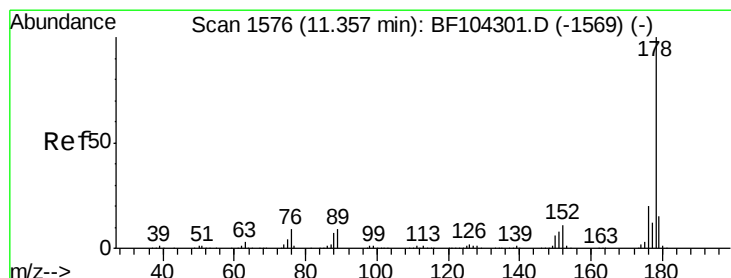
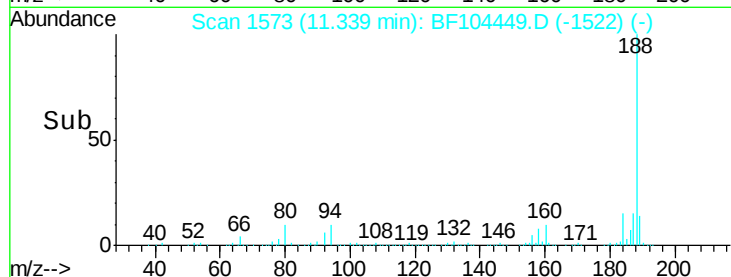
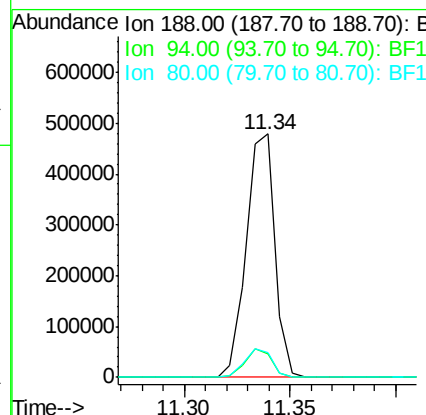
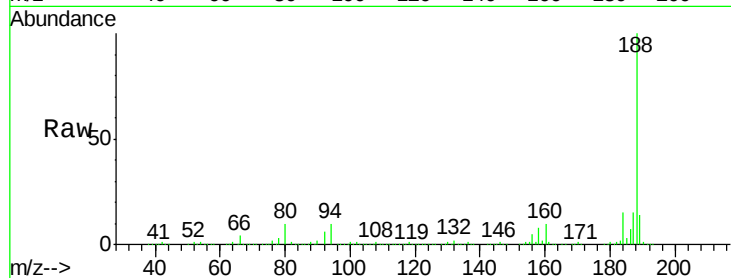
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.0	9.2	13.8

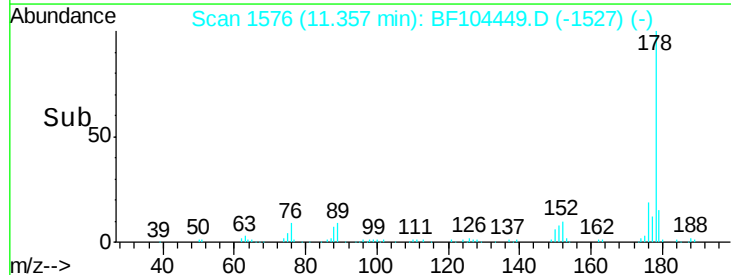
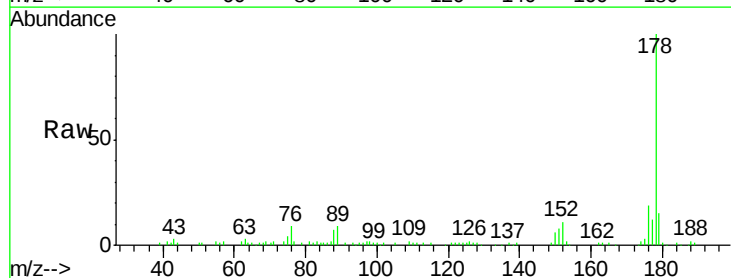
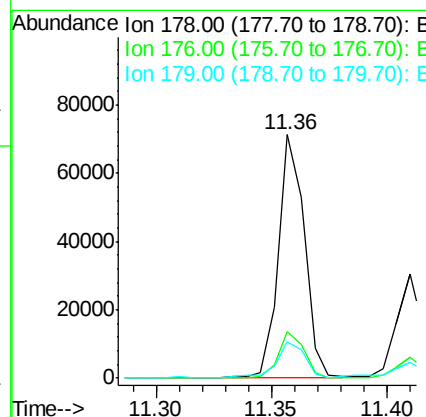
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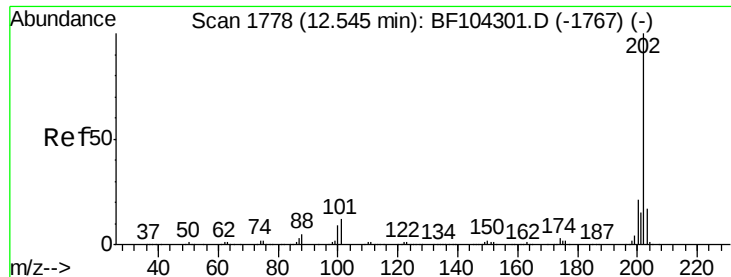
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#70
Phenanthrene
Concen: 2.222 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.0	13.0	19.6





#74

Fluoranthene

Concen: 8.352 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

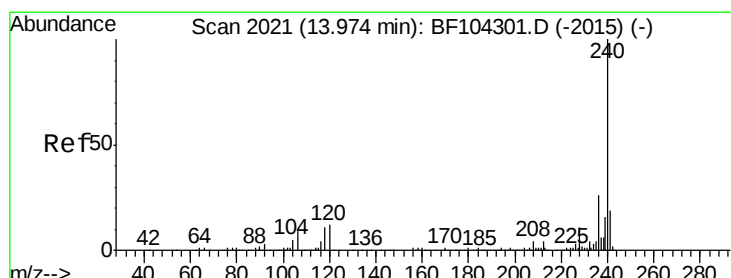
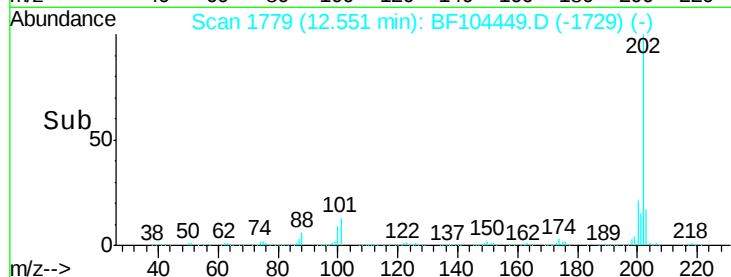
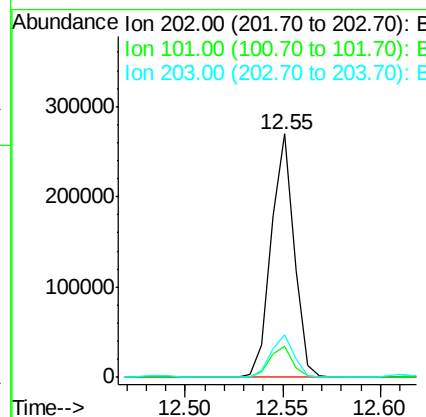
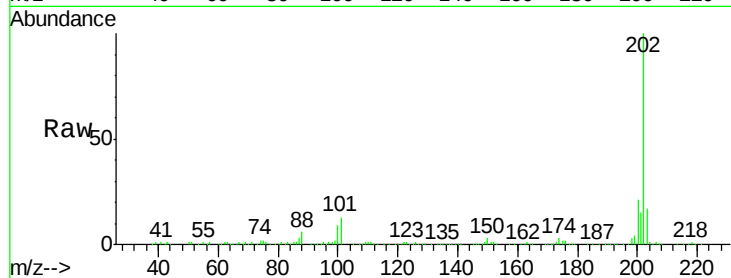
ClientSampleId :

PL-01-041118-D

Tot Ion:	202	Resp:	218242
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

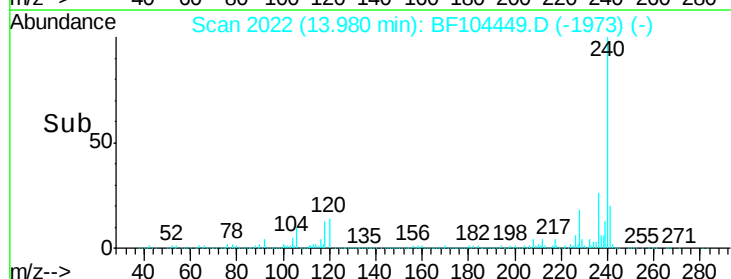
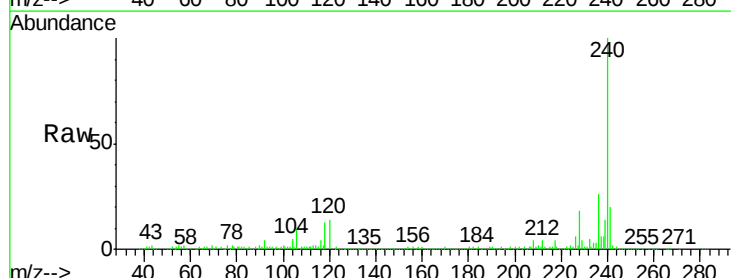
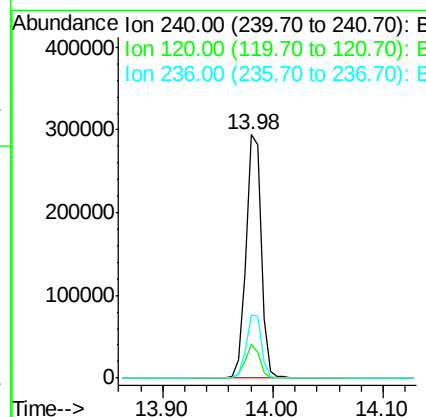
RT: 13.98 min Scan# 2022

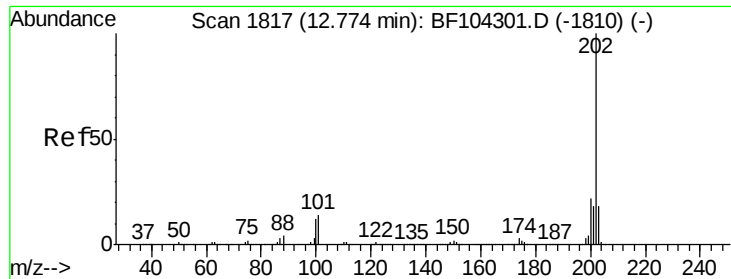
Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Tgt Ion:	240	Resp:	289128
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 10.644 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

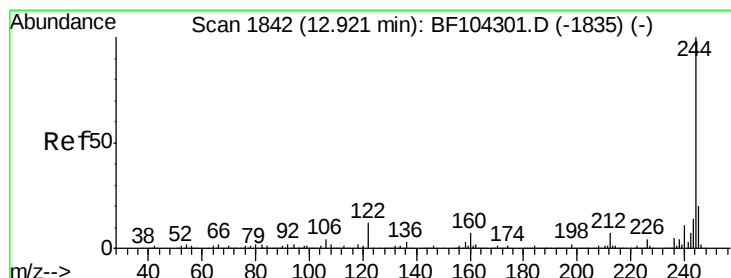
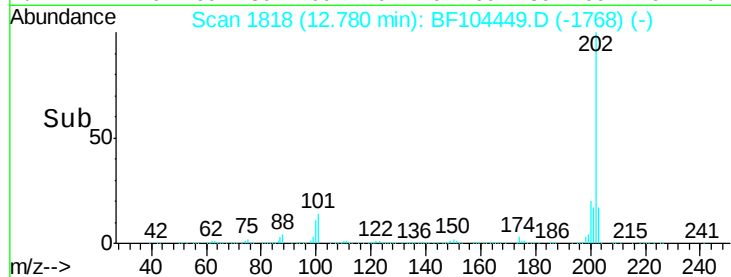
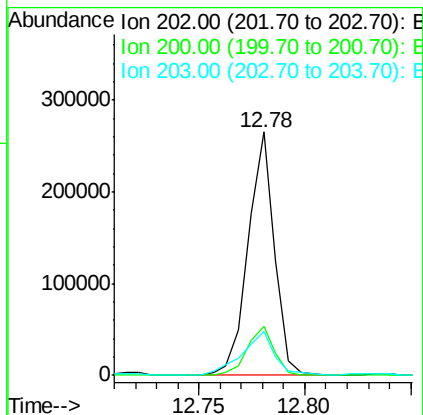
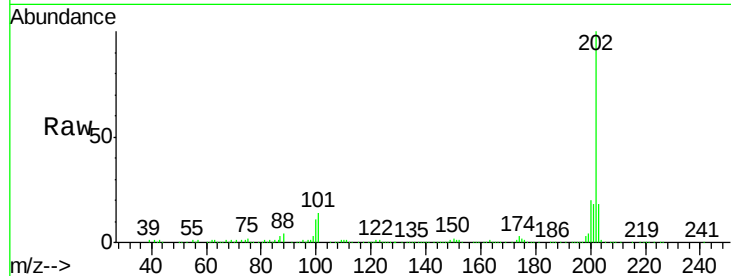
ClientSampleId :

PL-01-041118-D

Tot Ion:	202	Resp:	228115
Ion Ratio		Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 69.053 ng

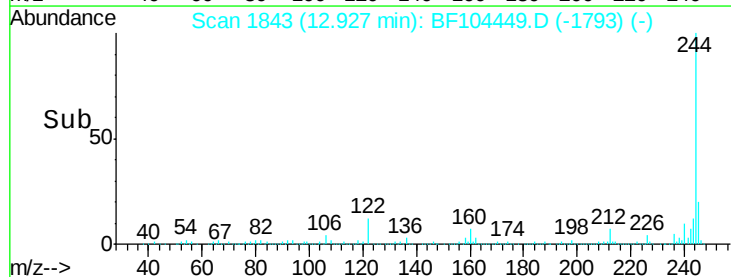
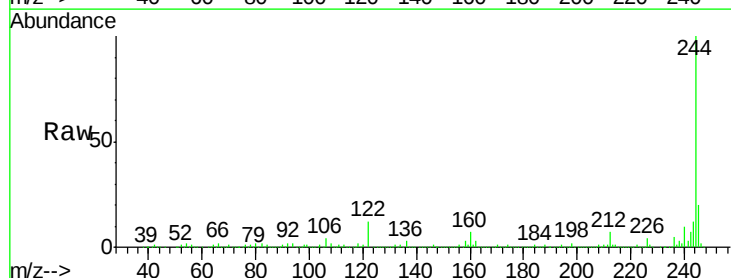
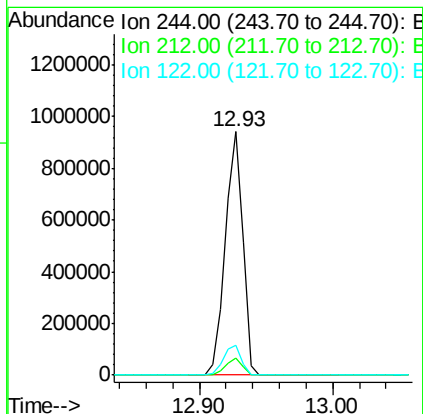
RT: 12.93 min Scan# 1843

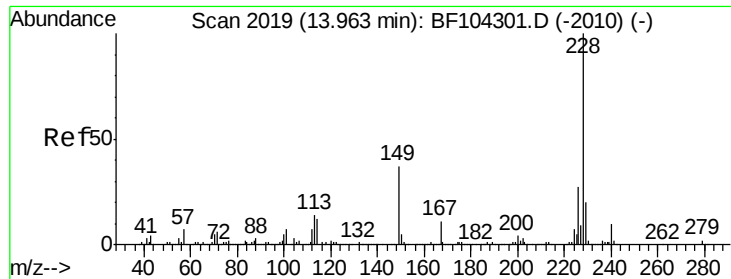
Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Tgt Ion:	244	Resp:	875727
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4





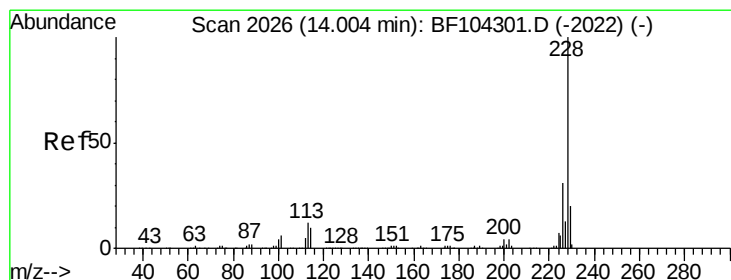
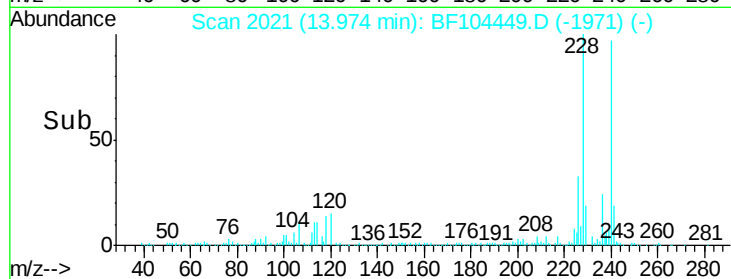
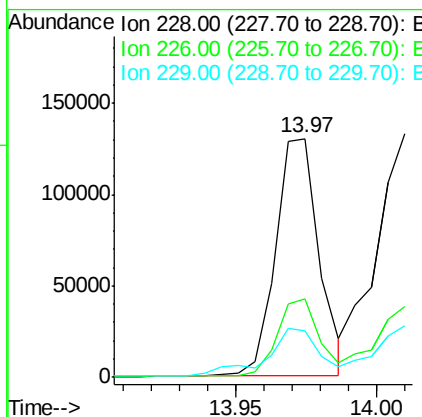
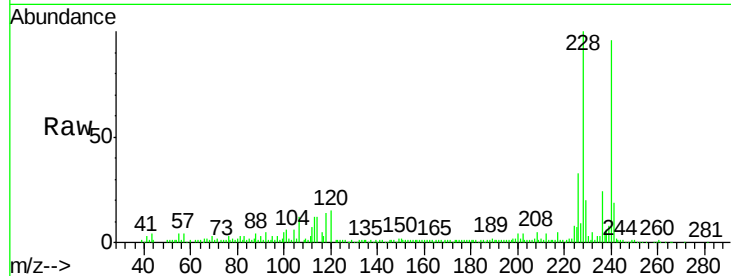
#80
Benzo(a)anthracene
Concen: 8.004 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	19.7	15.8	23.6

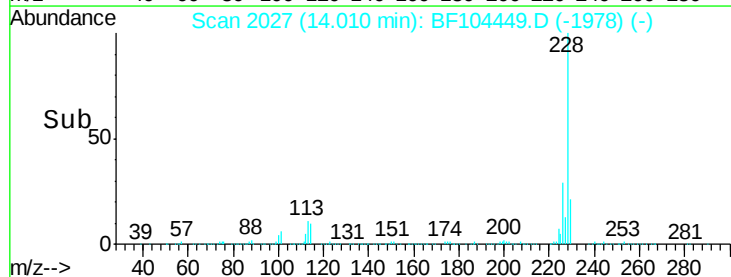
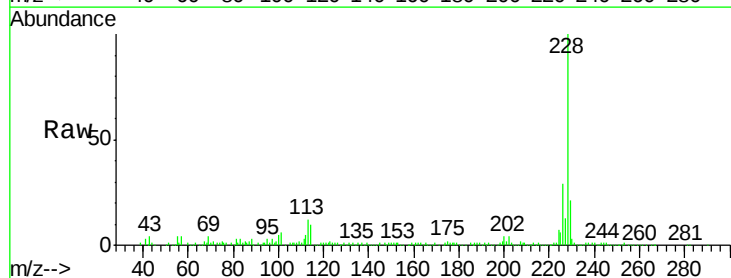
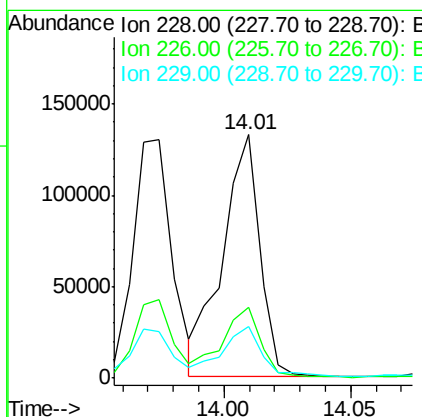
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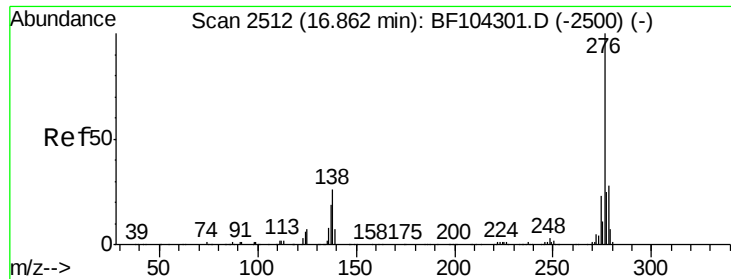
Sohil
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#82
Chrysene
Concen: 7.646 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	21.4	16.2	24.4





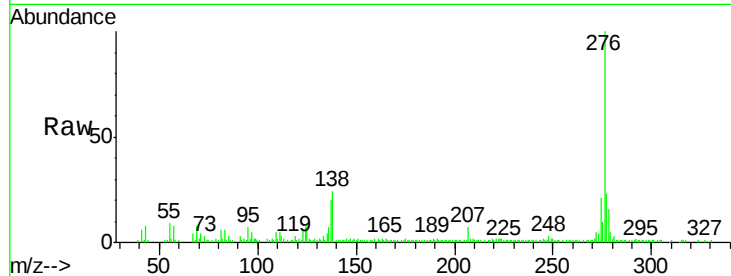
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.827 ng/ml
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.4	25.0	37.6#
277	4.6	20.1	30.1#

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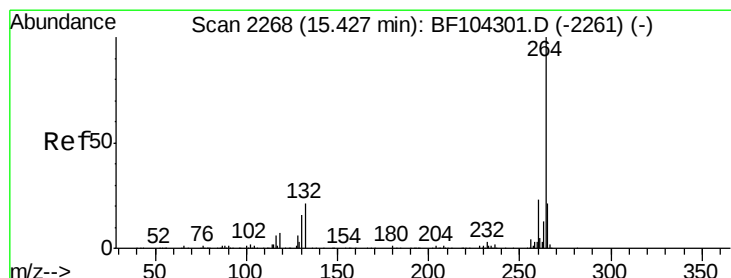
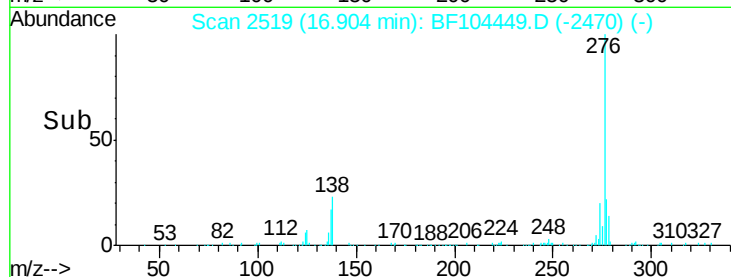
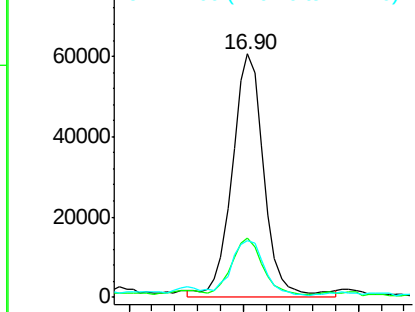


Abundance

Ion 276.00 (275.70 to 276.70): E

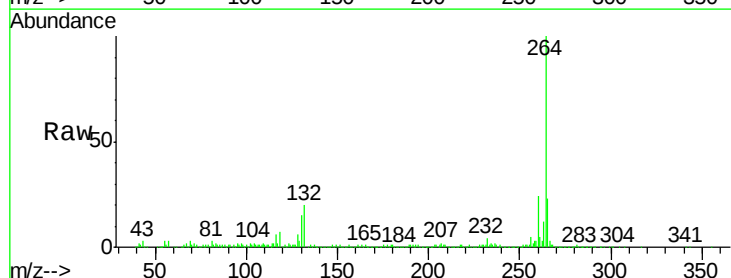
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.2	17.5	26.3

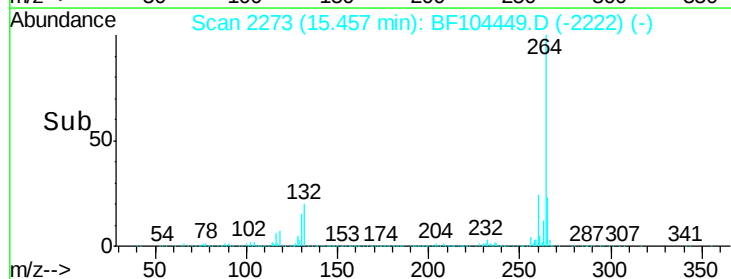
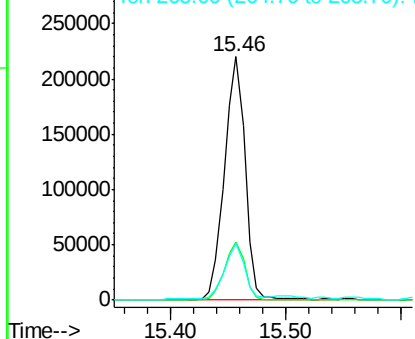


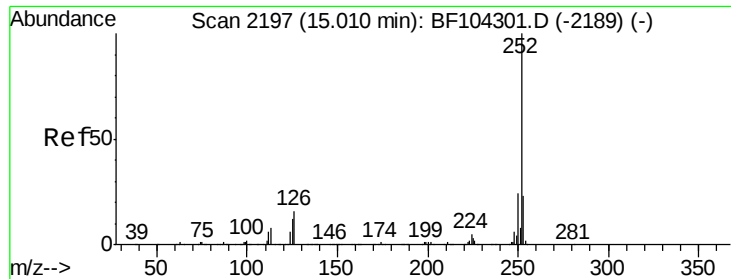
Abundance

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: 13.256 ng m

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

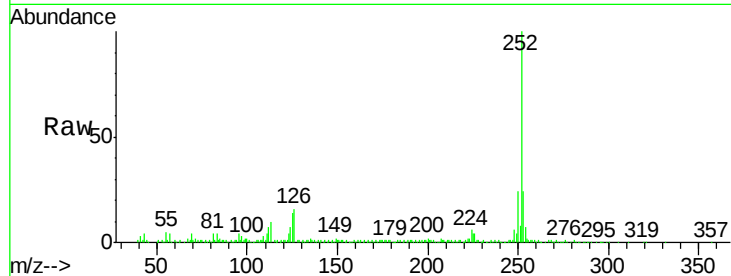
ClientSampleId :

PL-01-041118-D

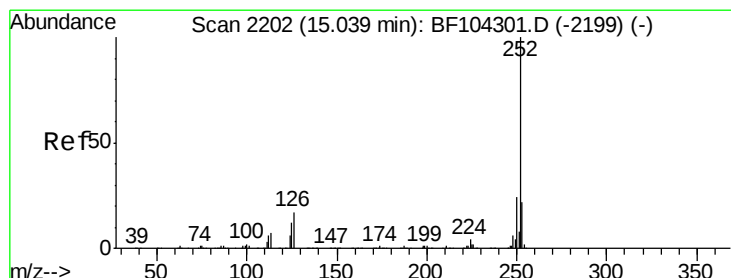
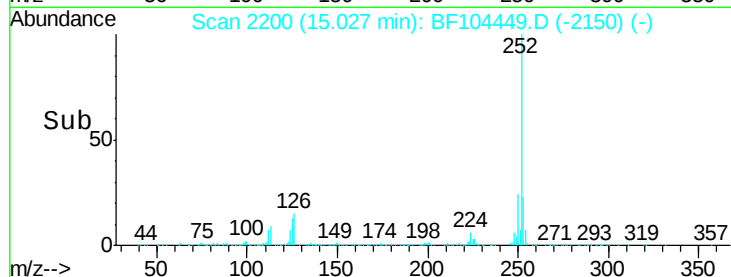
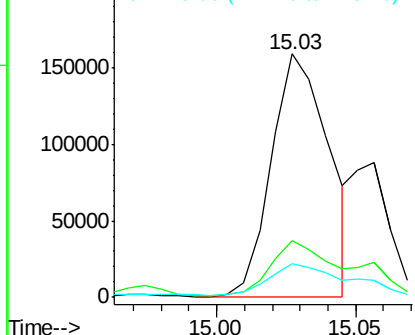
Tot Ion:	252	Resp:	227717
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	13.9	9.0	13.6

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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: 5.030 ng m

RT: 15.06 min Scan# 2205

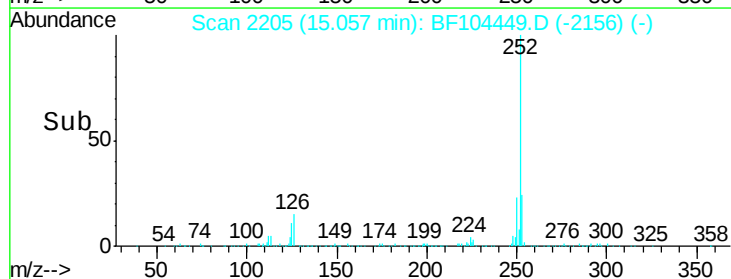
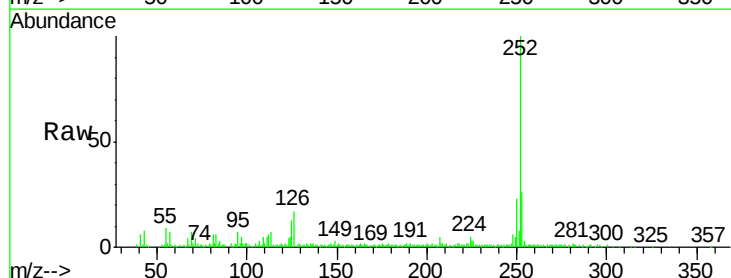
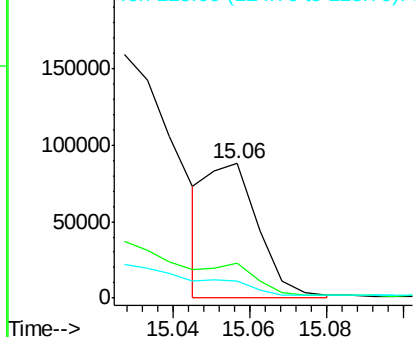
Delta R.T. -0.01 min

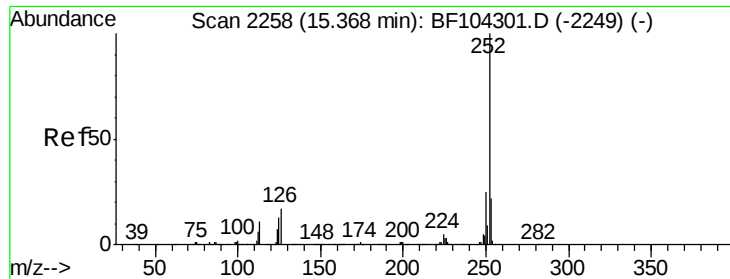
Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Tgt Ion:	252	Resp:	81575
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	13.0	10.2	15.2

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





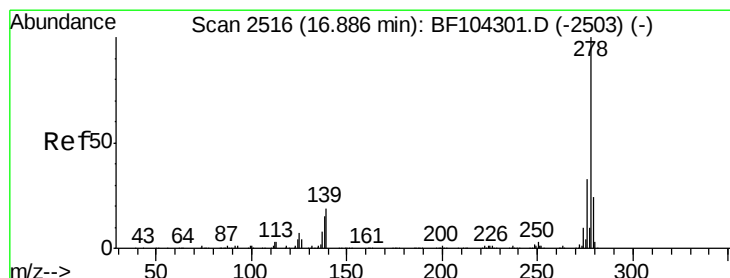
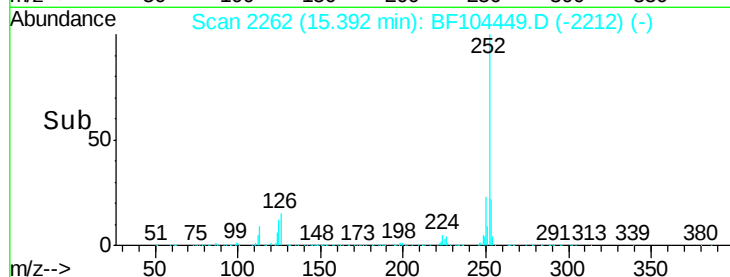
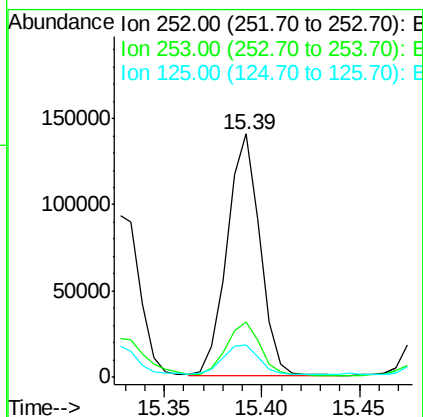
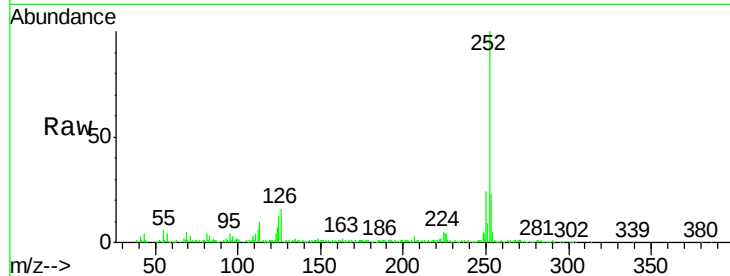
#89
Benzo(a)pyrene
Concen: 10.675 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.1	9.8	14.6

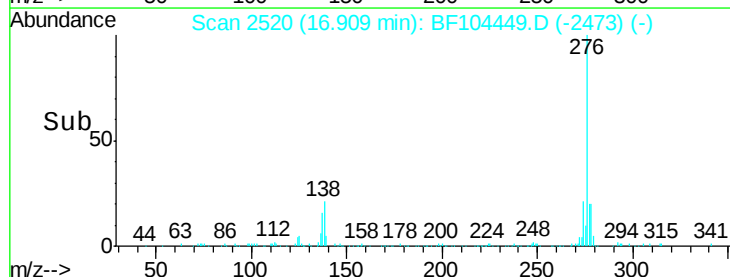
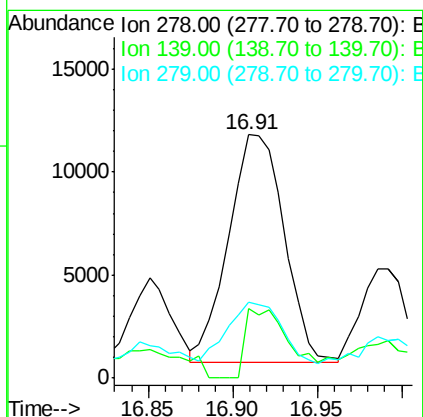
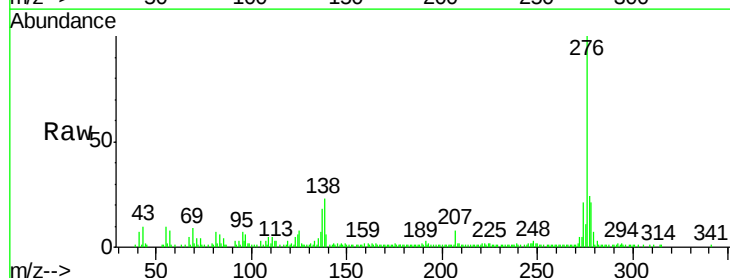
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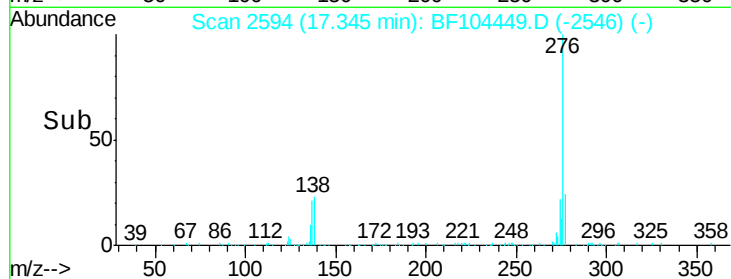
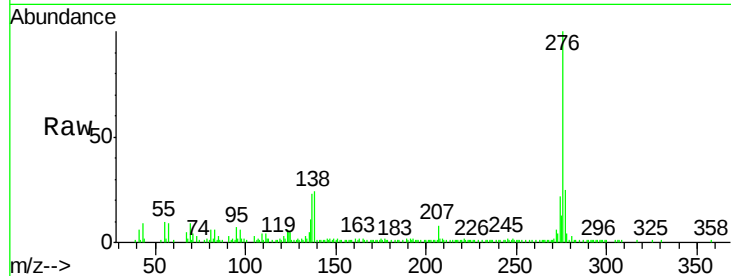
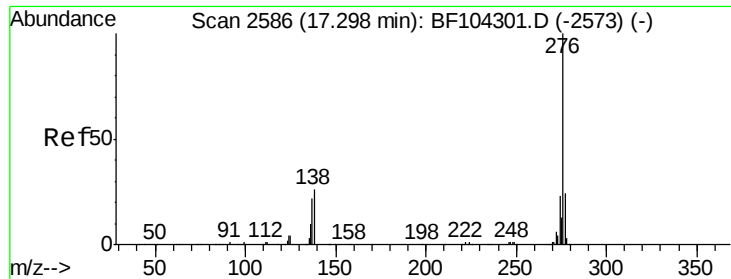
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#90
Dibenzo(a,h)anthracene
Concen: 2.013 ng m
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.7	15.9	23.9#
279	31.3	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 9.025 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.02 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

ClientSampleId :

PL-01-041118-D

Tot Ion:	276	Resp:	110386
Ion Ratio		Lower	Upper
276	100		
277	25.1	17.9	26.9
138	24.3	21.8	32.8

Manual Integrations
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