

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104947.D
 Acq On : 30 Apr 2018 21:41
 Operator : JU/SJ
 Sample : J2609-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01A

Manual Integrations
 APPROVED

Sohil
 5/1/2018 7:05:47 PM

Quant Time: May 01 08:08:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	111088	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	458540	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	204097	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	320950	20.00	ng	0.00
75) Chrysene-d12	13.97	240	61790	20.00	ng	0.00
86) Perylene-d12	15.44	264	195144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	678869	93.44	ng	0.01
7) Phenol-d6	6.44	99	817833	91.62	ng	0.00
23) Nitrobenzene-d5	7.36	82	492077	70.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	189079	89.31	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	850237	65.81	ng	0.00
78) Terphenyl-d14	12.91	244	604409	223.01	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	96745	6.011	ng	Qvalue 100
57) Fluorene	10.38	166	27806	2.114	ng	99
70) Phenanthrene	11.34	178	344895	19.296	ng	98
71) Anthracene	11.40	178	75949	4.180	ng	99
72) Carbazole	11.56	167	50391	2.838	ng	99
73) Di-n-butylphthalate	11.87	149	68752	3.170	ng	98
74) Fluoranthene	12.54	202	428762	22.960	ng	97
77) Pyrene	12.77	202	345968	75.537	ng	98
80) Benzo(a)anthracene	13.96	228	61564	16.678	ng	97
82) Chrysene	14.00	228	154422	40.727	ng	95
83) Bis(2-ethylhexyl)phthalate	13.97	149	4493718	1619.125	ng	# 99
84) Di-n-octyl phthalate	14.56	149	168815	36.402	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.90	276	68804	21.361	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	193100m	15.667	ng	
88) Benzo(k)fluoranthene	15.04	252	61195m	5.259	ng	
89) Benzo(a)pyrene	15.38	252	119644	10.849	ng	# 95
90) Dibenzo(a,h)anthracene	16.90	278	20573	2.271	ng	# 72
91) Benzo(g,h,i)perylene	17.34	276	64433	7.343	ng	# 92

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

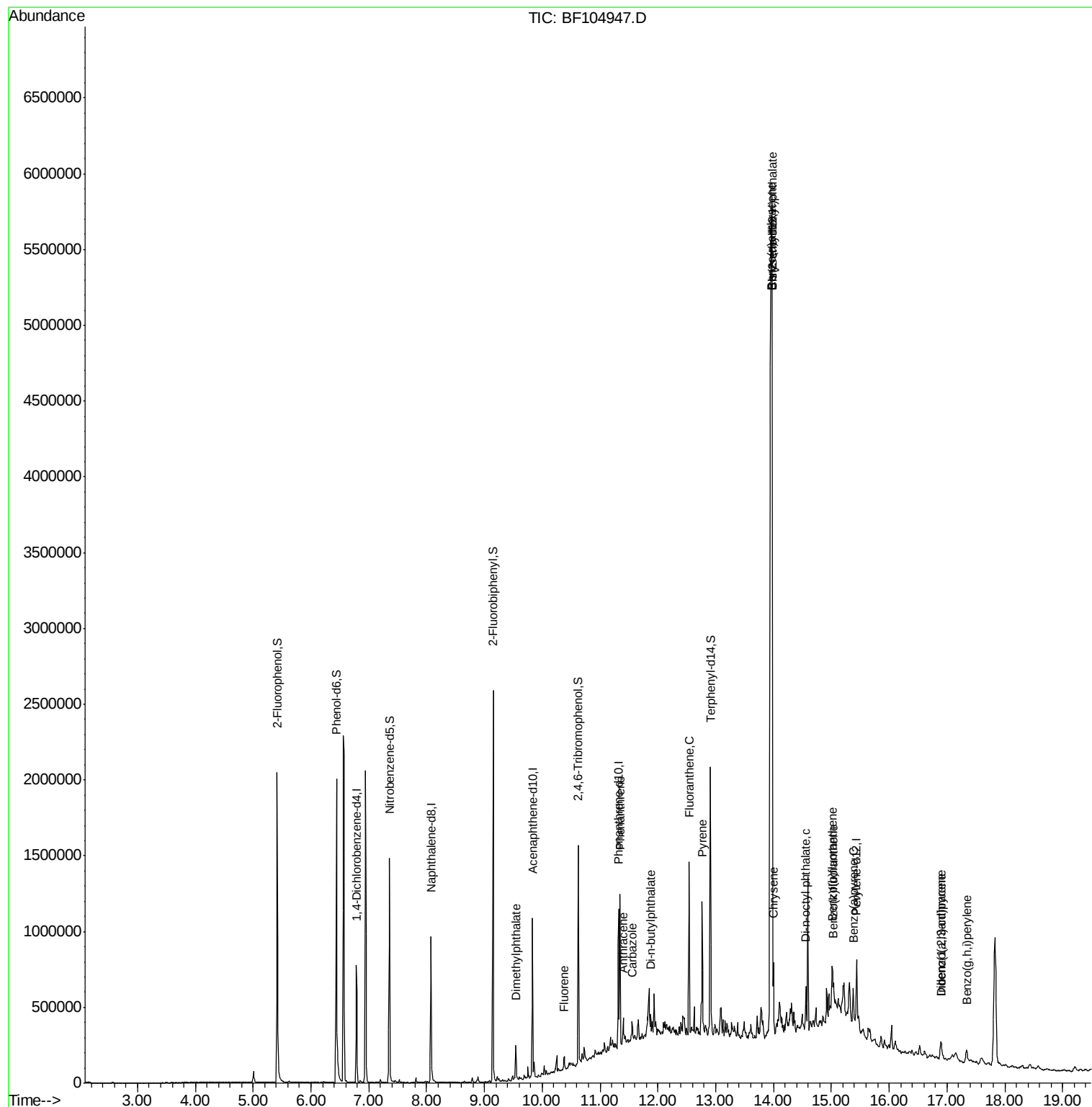
Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
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#1

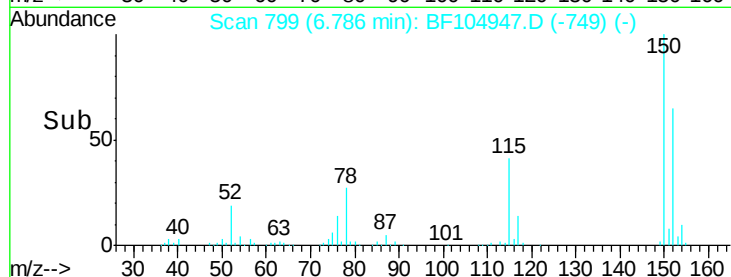
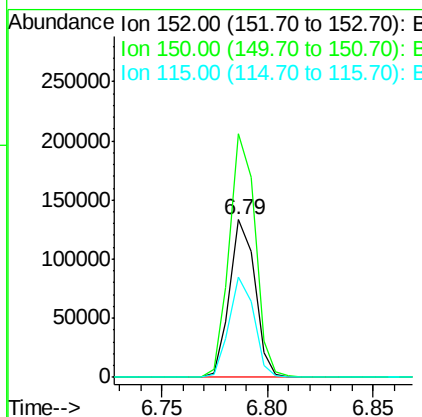
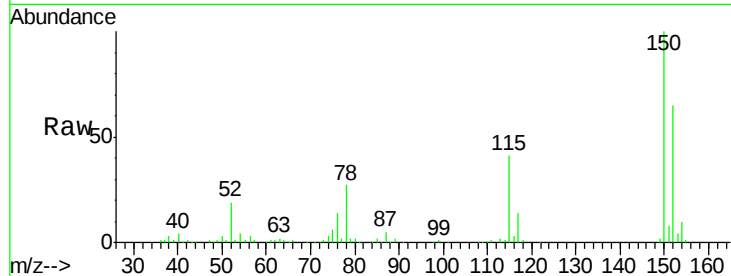
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampled :
SB-01A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	63.5	50.1	75.1

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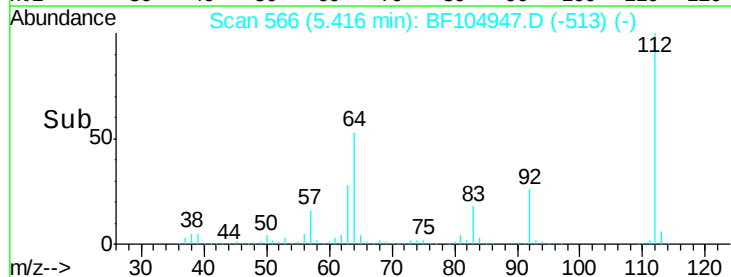
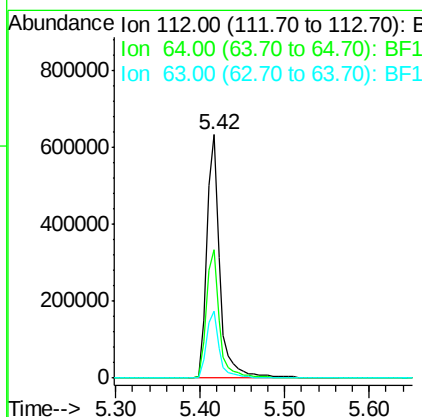
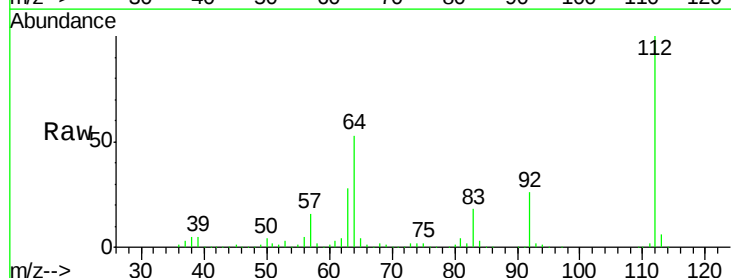
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#5

2-Fluorophenol
Concen: 93.442 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 91.619 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Instrument :

BNA_F

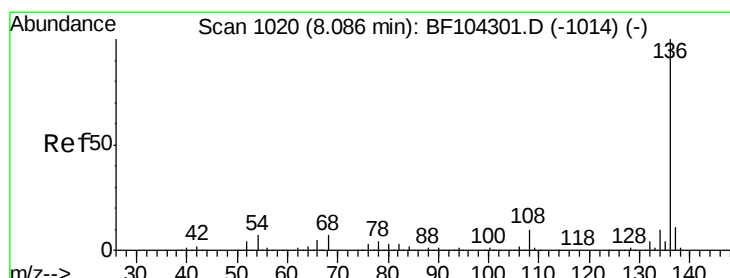
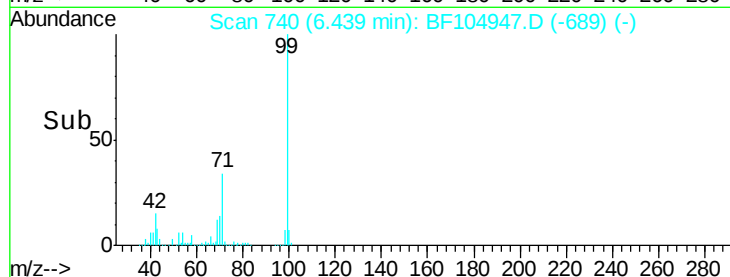
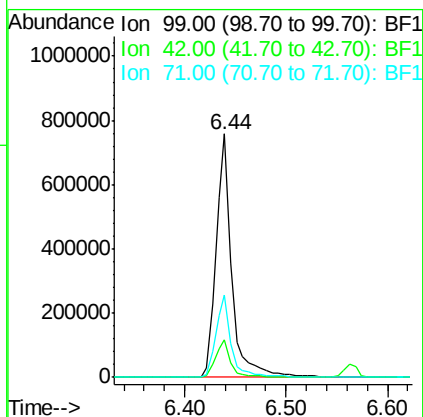
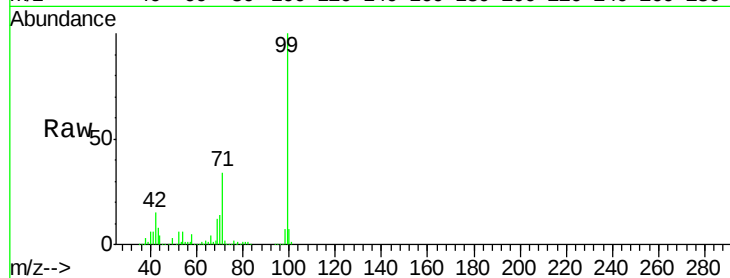
ClientSampled :

SB-01A

Tot Ion:	99	Resp:	817833
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	33.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

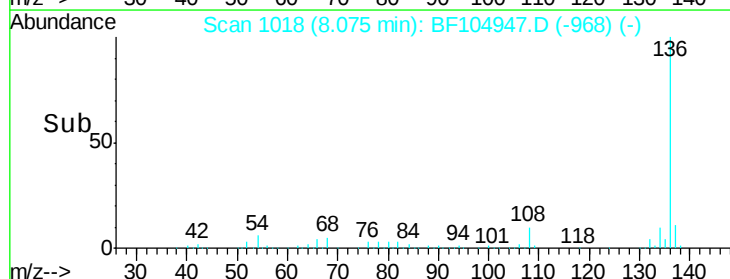
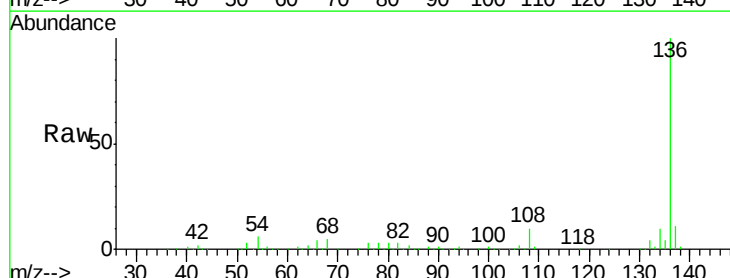
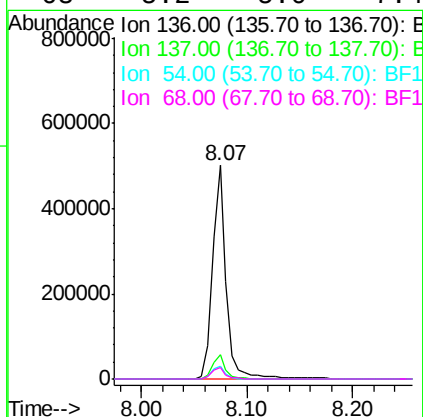
RT: 8.07 min Scan# 1018

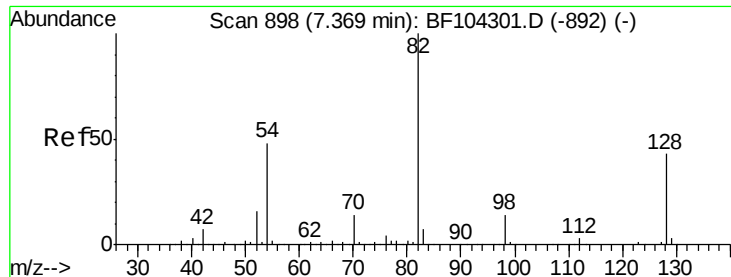
Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Tgt Ion:	136	Resp:	458540
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.1	6.6	9.8#
68	5.2	5.0	7.4





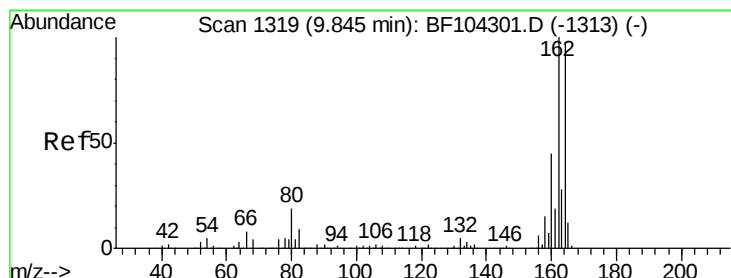
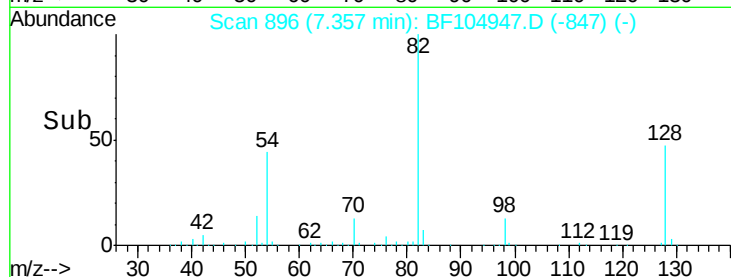
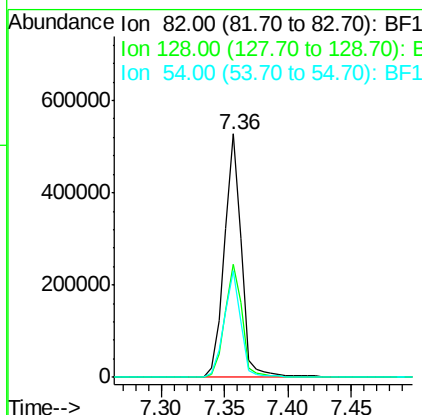
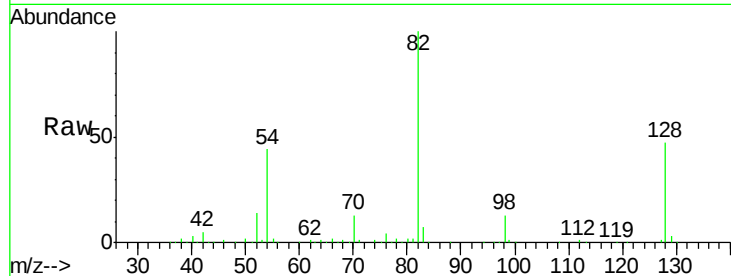
#23
Nitrobenzene-d5
Concen: 70.074 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampled :
SB-01A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	492077		
128	46.6	36.1	54.1	
54	44.1	41.4	62.2	

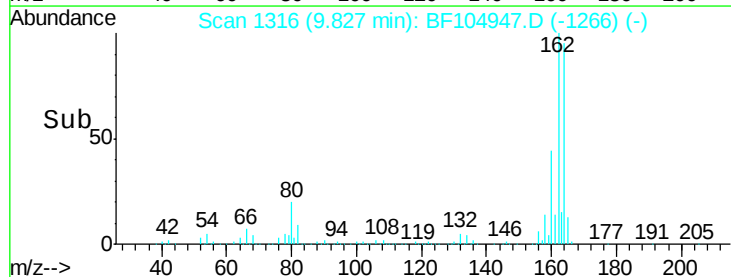
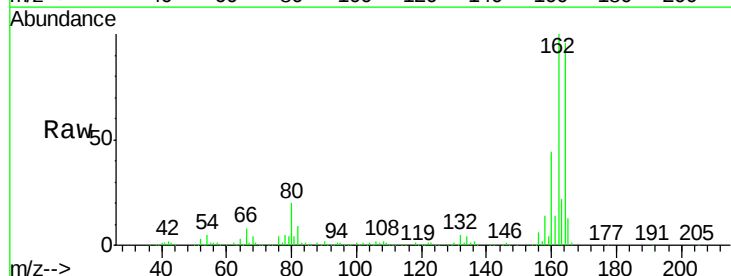
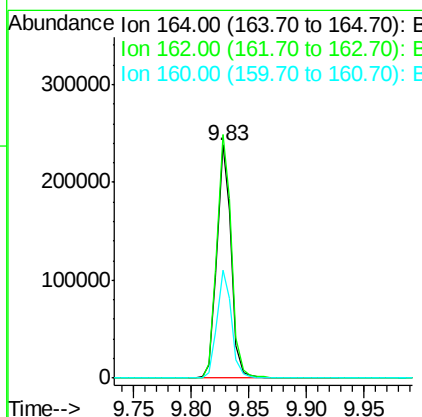
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204097		
162	104.4	86.1	129.1	
160	46.1	38.3	57.5	





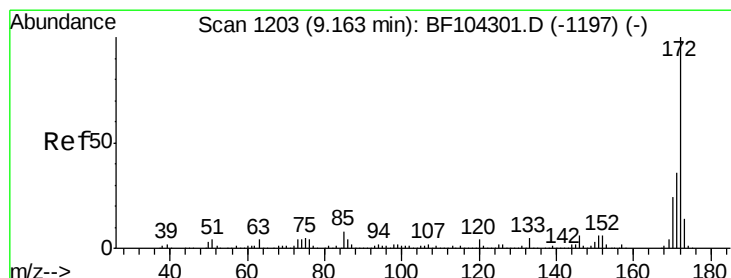
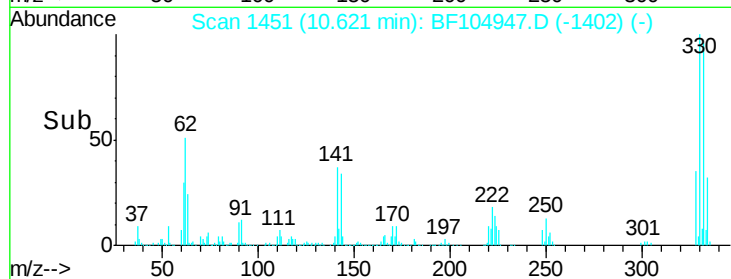
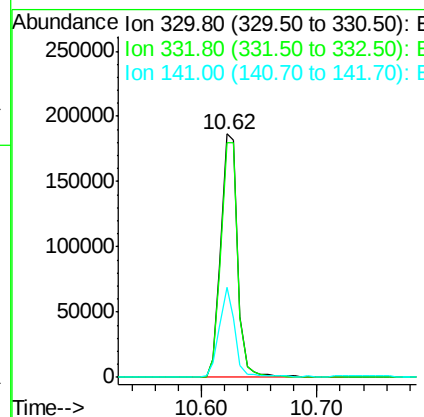
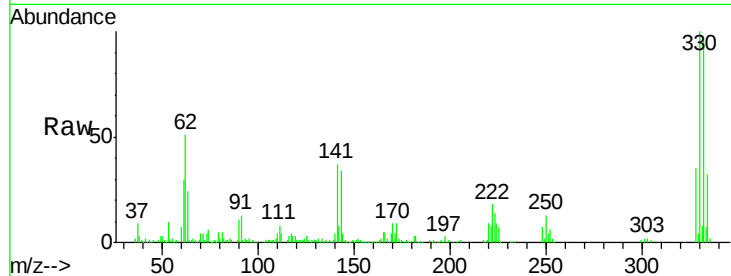
#41
 2,4,6-Tribromophenol
 Concen: 89.308 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104947.D
 Acq: 30 Apr 2018 21:41

Instrument :
 BNA_F
 ClientSampled :
 SB-01A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	33.1	29.9	44.9

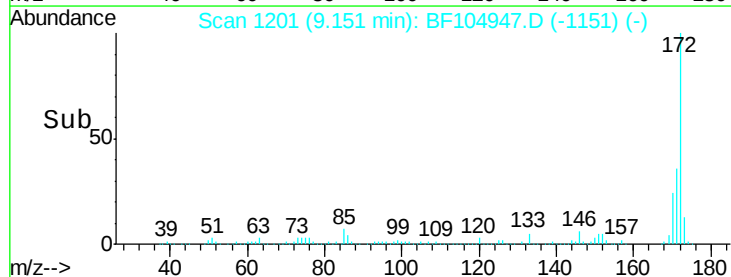
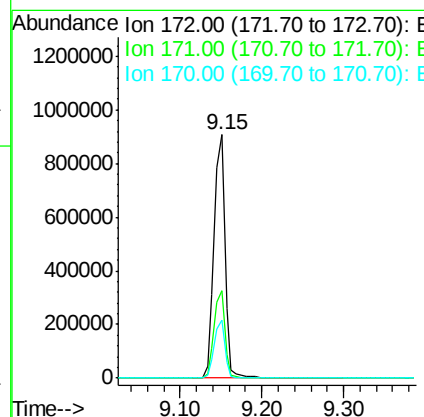
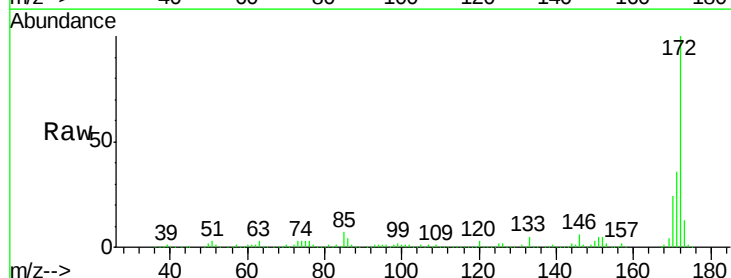
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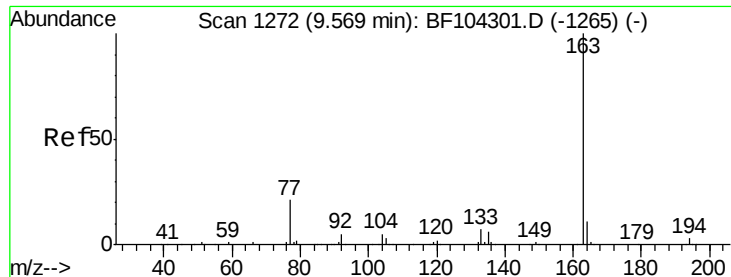
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#44
 2-Fluorobiphenyl
 Concen: 65.810 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104947.D
 Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4





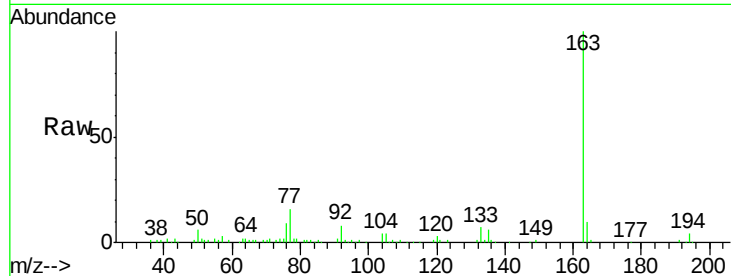
#49
Dimethylphthalate
Concen: 6.011 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampled :
SB-01A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

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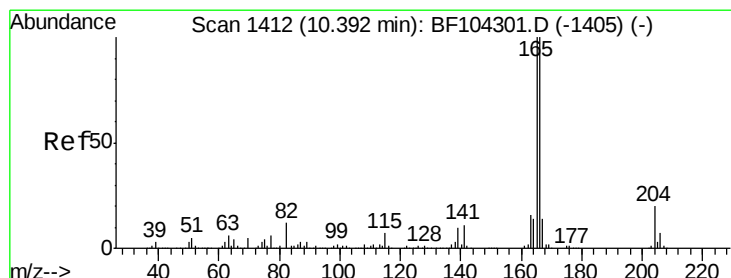
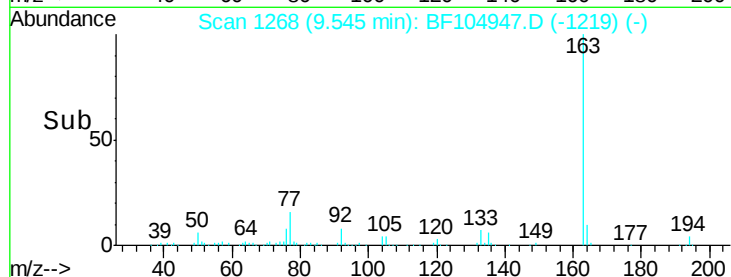
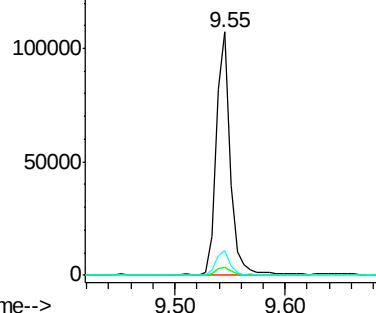


Abundance

Ion 163.00 (162.70 to 163.70): E

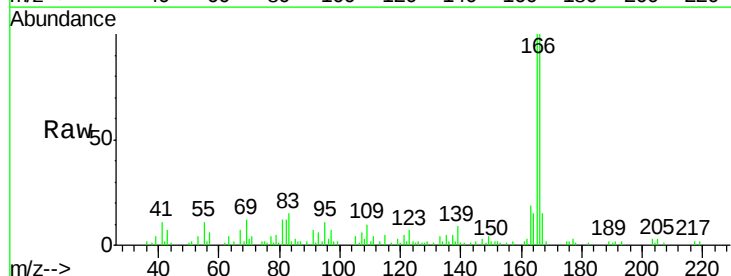
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
Fluorene
Concen: 2.114 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.9	10.6	16.0

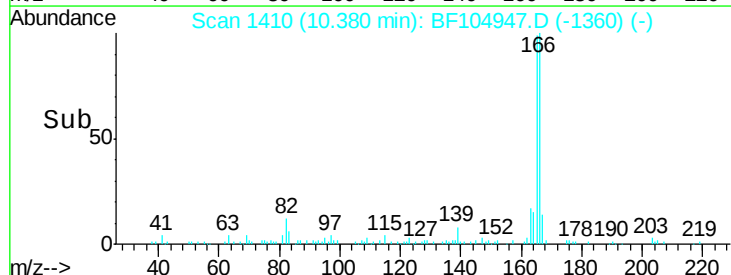
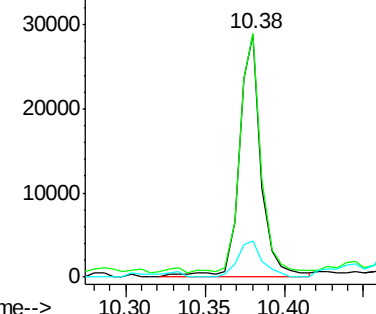


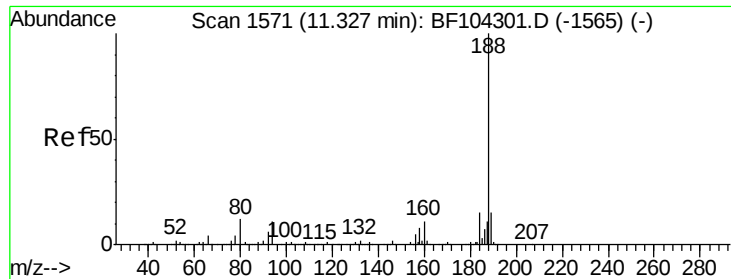
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Instrument :

BNA_F

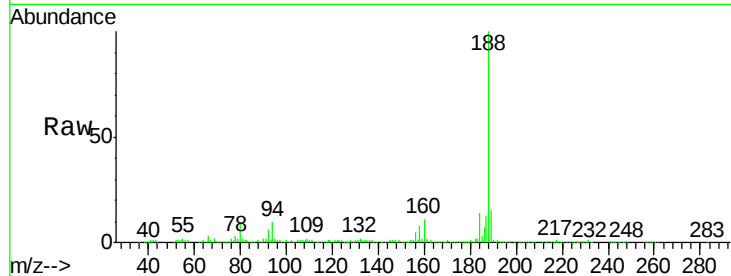
ClientSampled :

SB-01A

Tot Ion:	188	Resp:	320950
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	10.1	9.2	13.8

Manual Integrations
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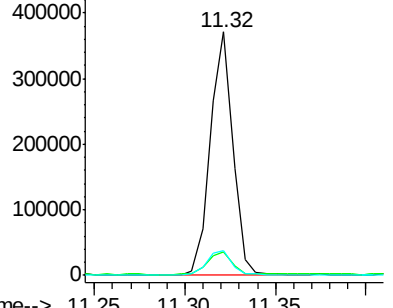
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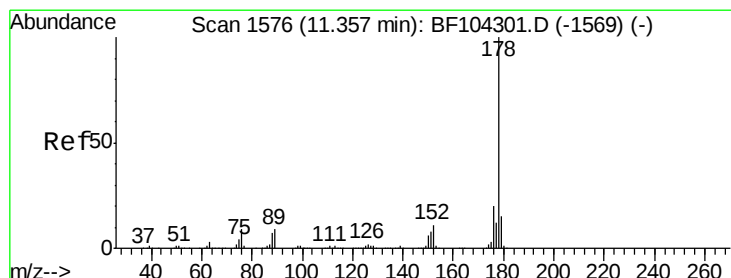
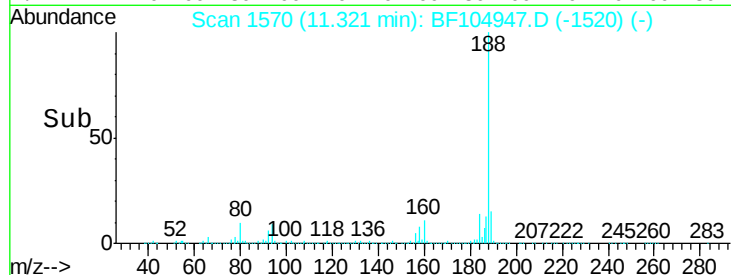
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.25 11.30 11.35



#70

Phenanthrene

Concen: 19.296 ng

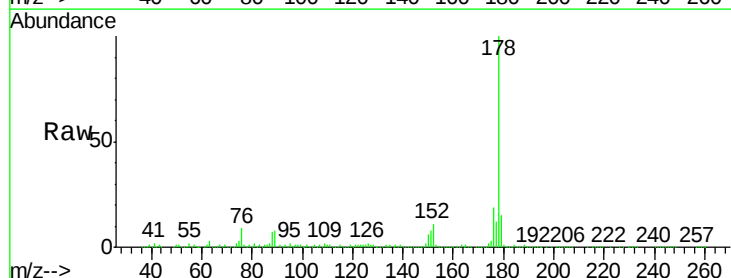
RT: 11.34 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

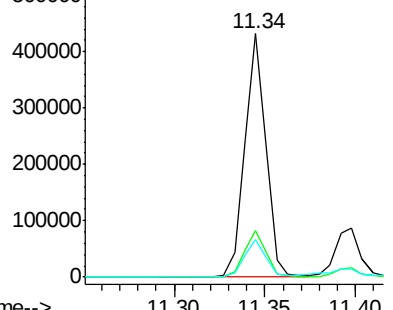
Tgt Ion:	178	Resp:	344895
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.4	13.0	19.6



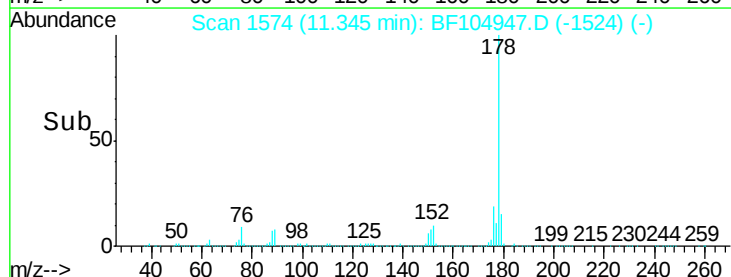
Abundance Ion 178.00 (177.70 to 178.70): E

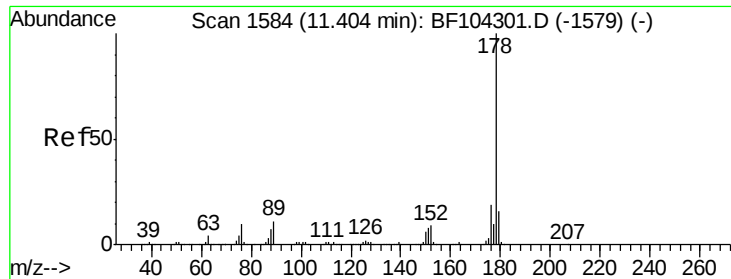
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.30 11.35 11.40





#71

Anthracene

Concen: 4.180 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Instrument :

BNA_F

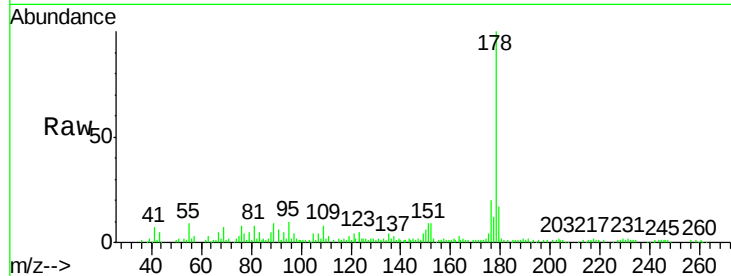
ClientSampled :

SB-01A

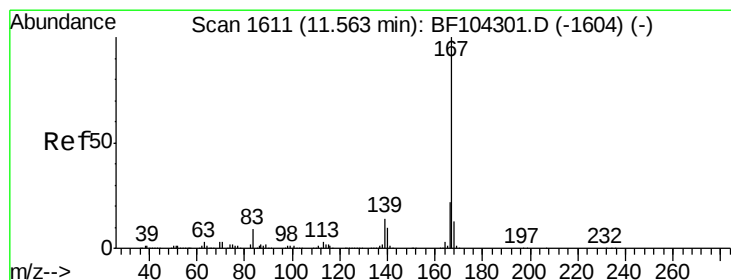
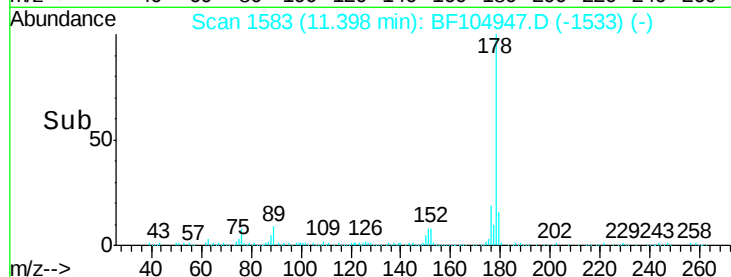
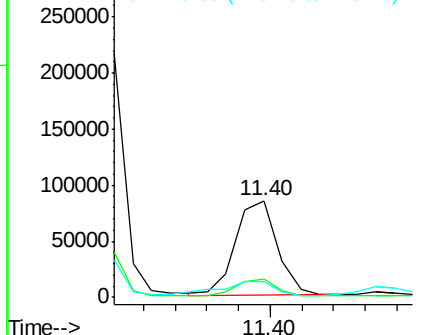
Tot Ion:	178	Resp:	75949
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.4	23.2
179	16.7	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.838 ng

RT: 11.56 min Scan# 1610

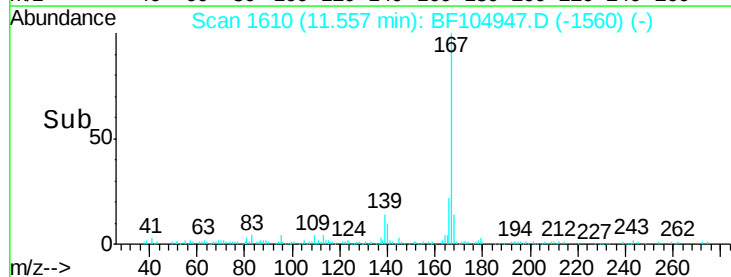
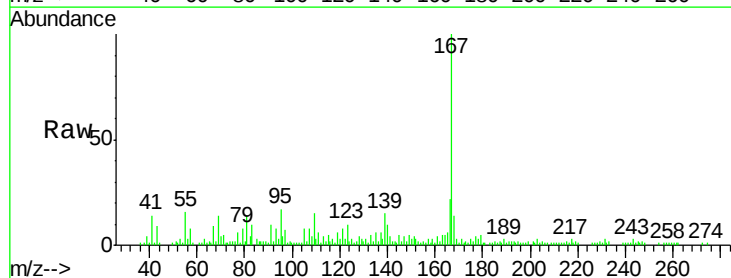
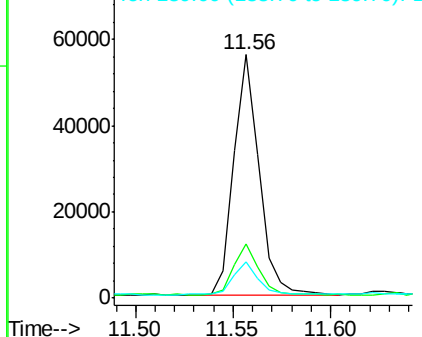
Delta R.T. -0.01 min

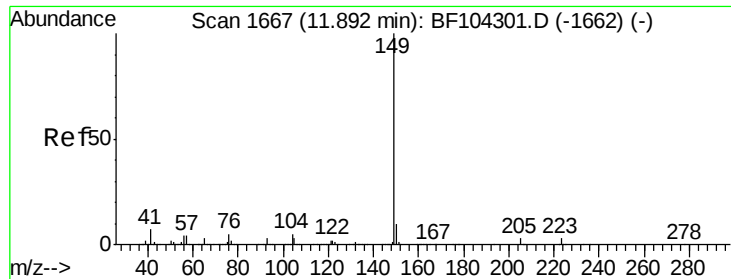
Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Tgt Ion:	167	Resp:	50391
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	14.6	10.9	16.3

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 3.170 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Instrument :

BNA_F

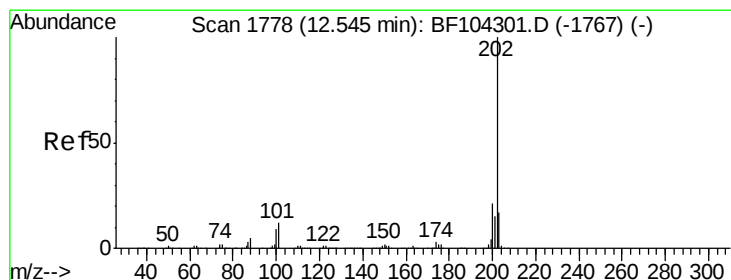
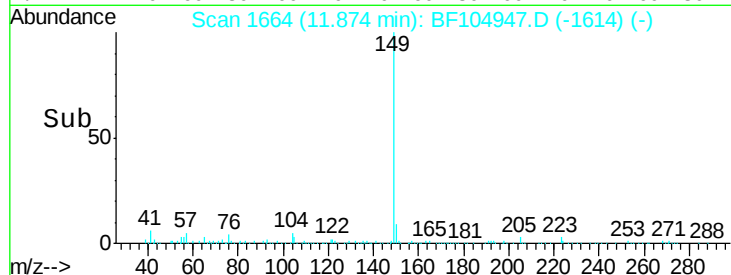
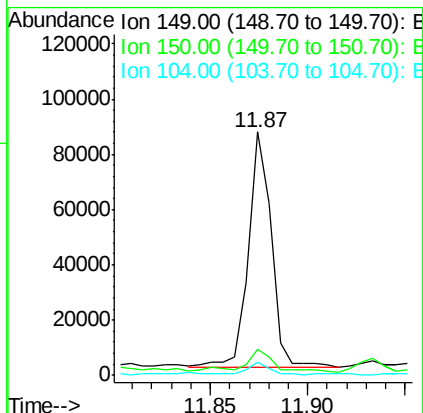
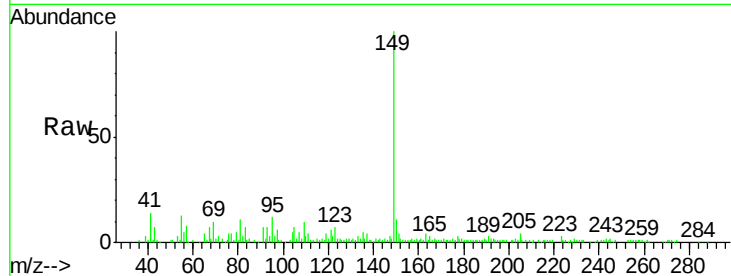
ClientSampleId :

SB-01A

Tot Ion:	149	Resp:	68752
Ion Ratio	Lower	Upper	
149	100		
150	10.6	7.8	11.6
104	5.2	3.8	5.8

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#74

Fluoranthene

Concen: 22.960 ng

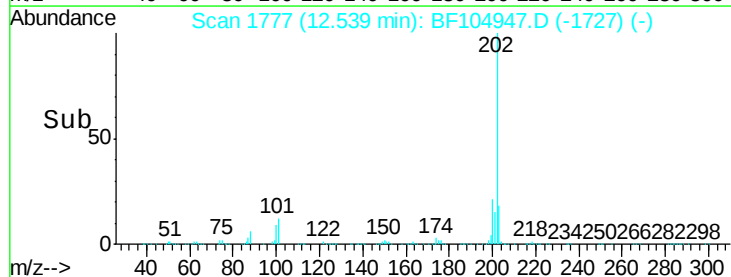
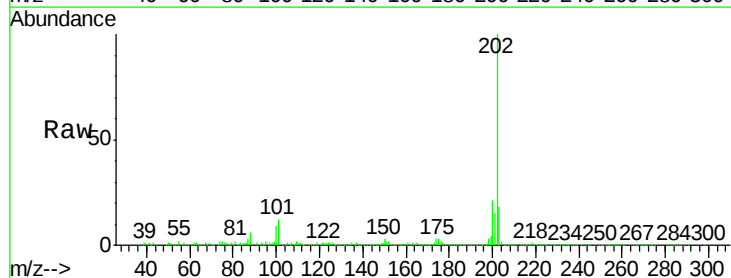
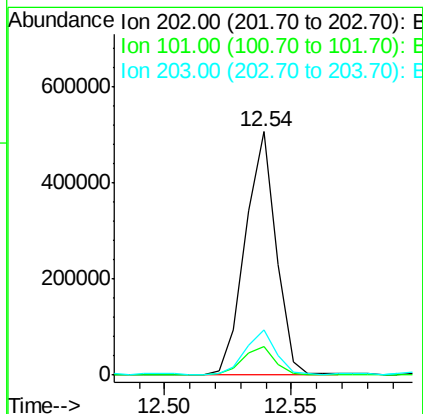
RT: 12.54 min Scan# 1777

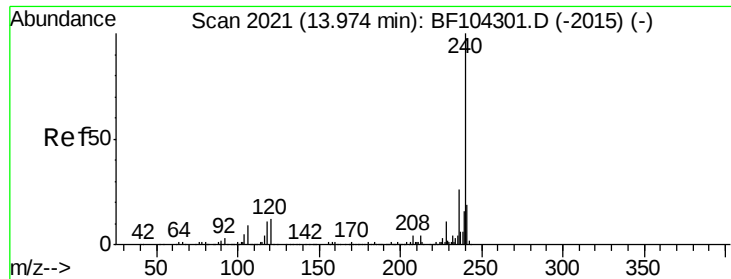
Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Tgt Ion:	202	Resp:	428762
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	18.3	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: BF104947.D

Acq: 30 Apr 2018 21:41

Instrument :

BNA_F

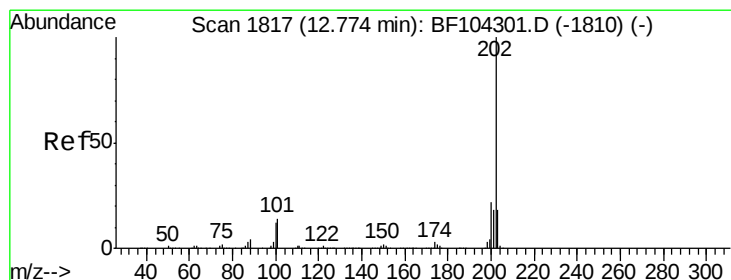
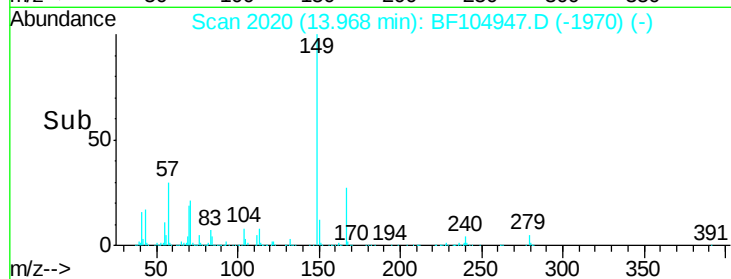
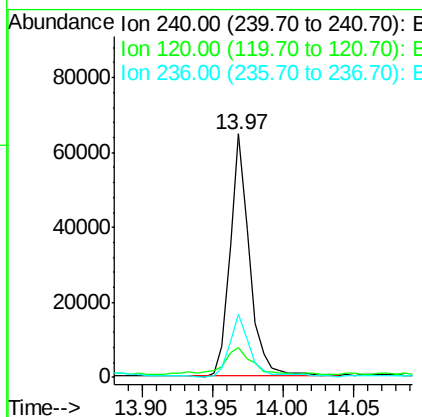
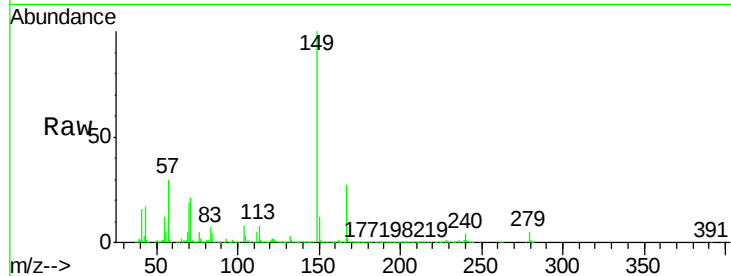
ClientSampleId :

SB-01A

Tot Ion:	240	Resp:	61790
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 75.537 ng

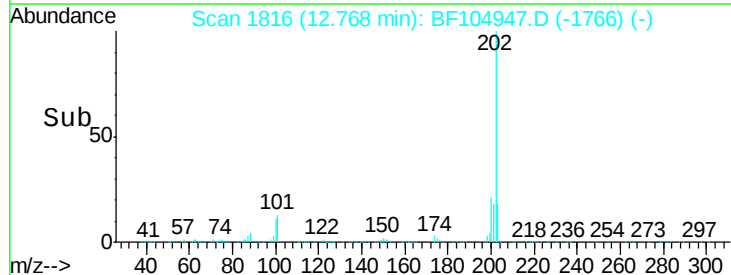
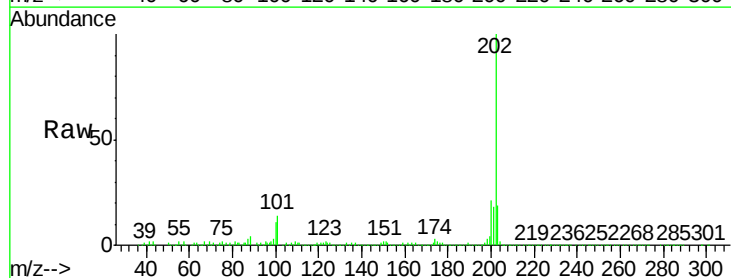
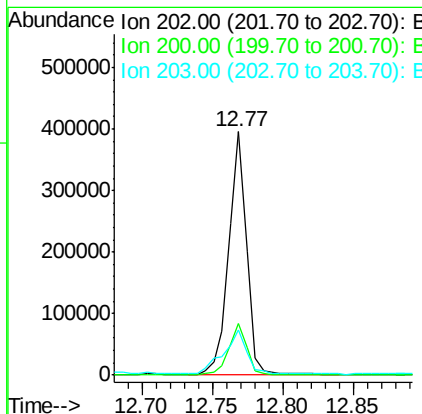
RT: 12.77 min Scan# 1816

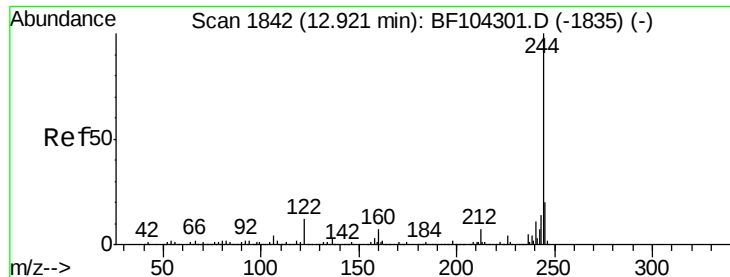
Delta R.T. -0.01 min

Lab File: BF104947.D

Acq: 30 Apr 2018 21:41

Tgt Ion:	202	Resp:	345968
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.6	14.3	21.5





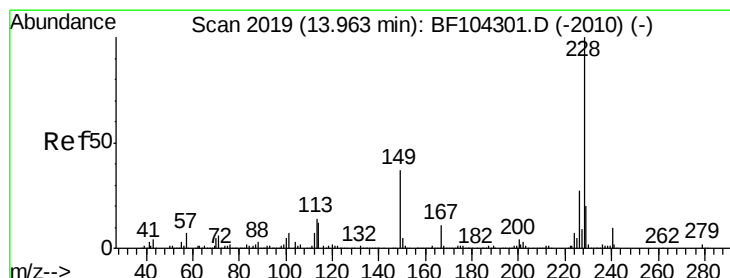
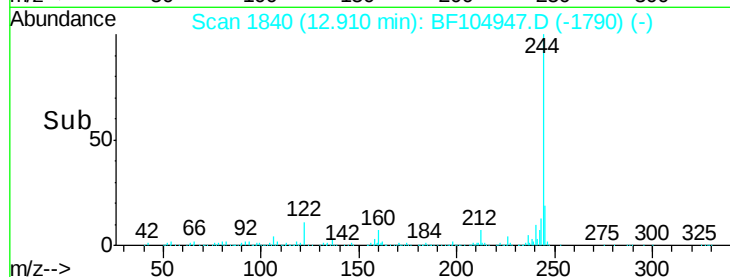
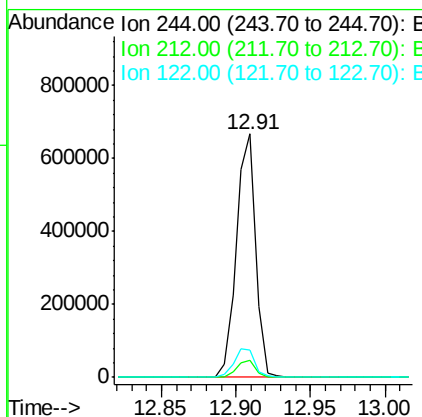
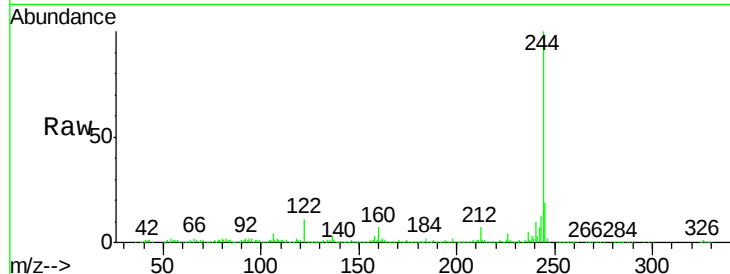
#78
 Terphenyl-d14
 Concen: 223.005 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF104947.D
 Acq: 30 Apr 2018 21:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-01A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.4	11.0	16.4

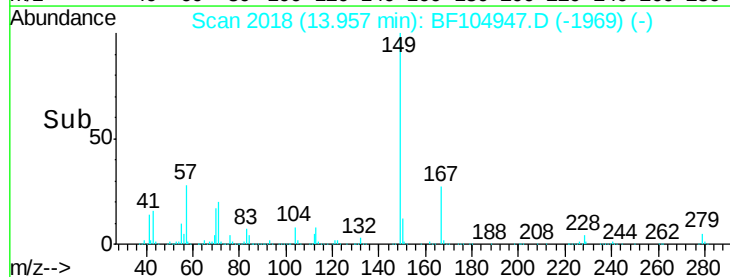
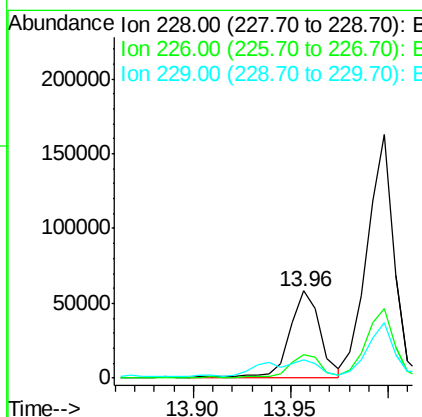
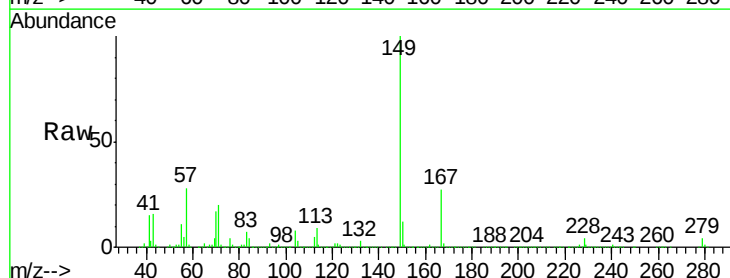
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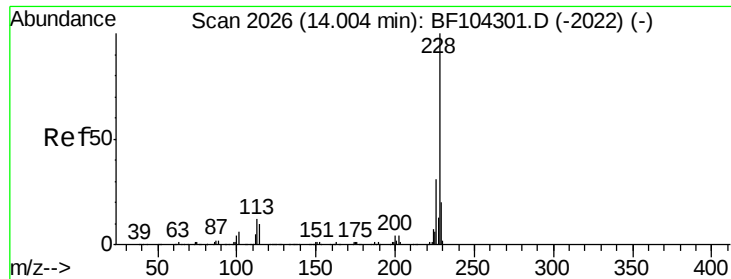
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#80
 Benzo(a)anthracene
 Concen: 16.678 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF104947.D
 Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	20.7	15.8	23.6





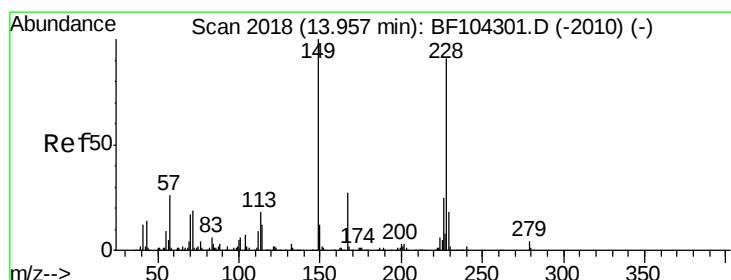
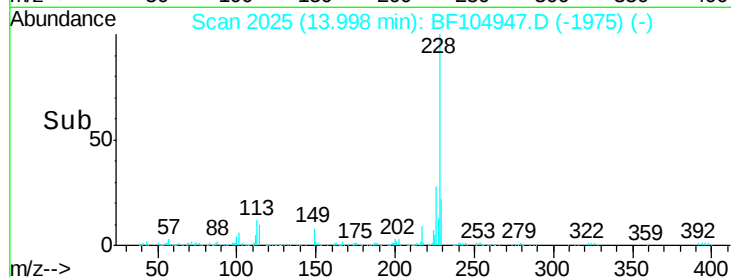
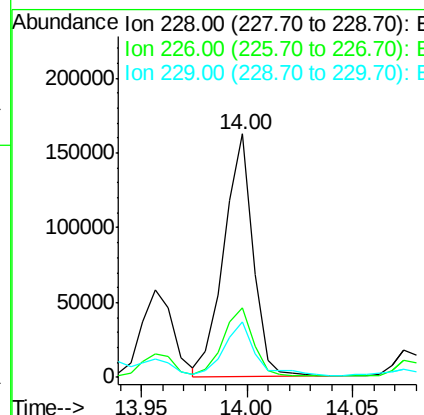
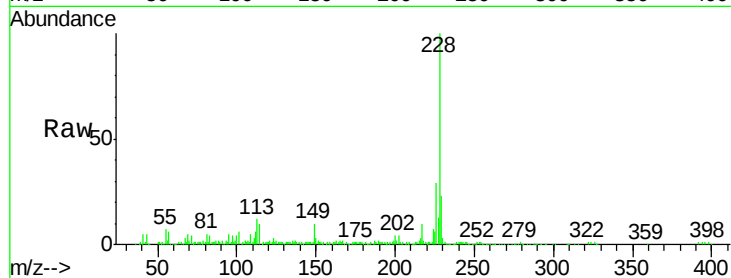
#82
 Chrvsene
 Concen: 40.727 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF104947.D
 Acq: 30 Apr 2018 21:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-01A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	22.7	16.2	24.4

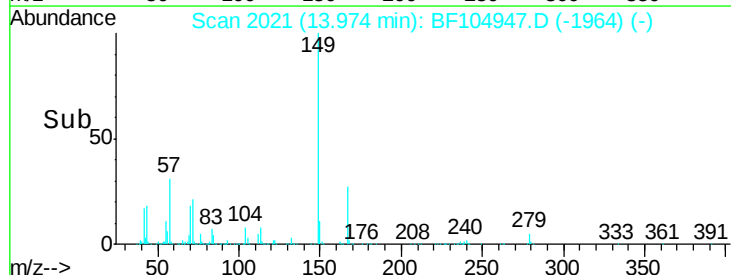
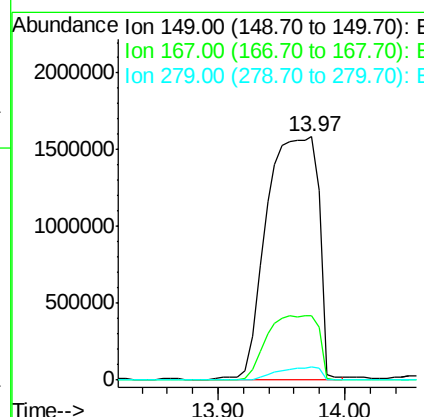
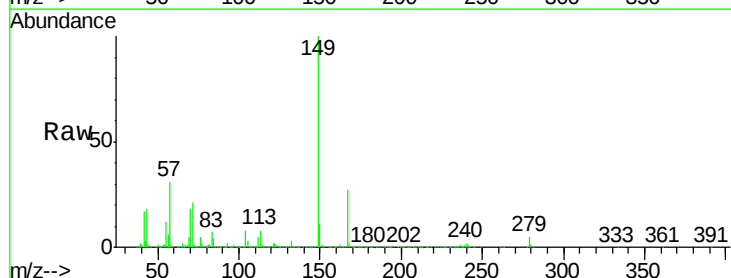
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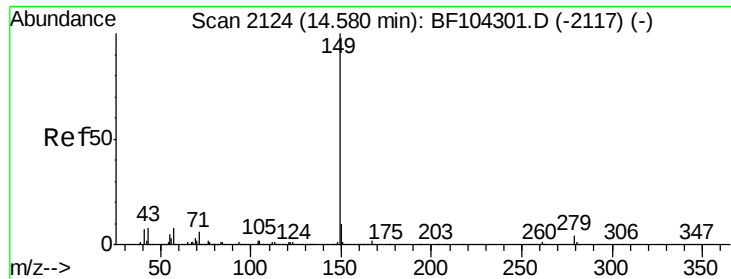
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1619.125 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.04 min
 Lab File: BF104947.D
 Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.3	31.9
279	5.3	3.0	4.4#





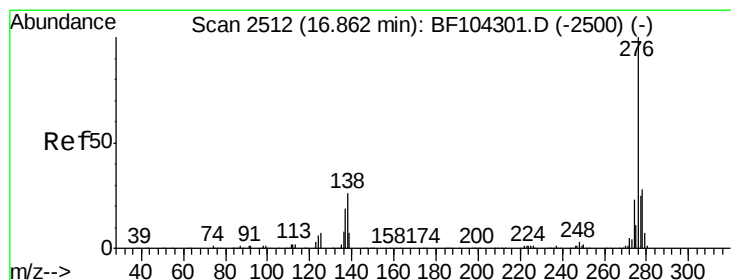
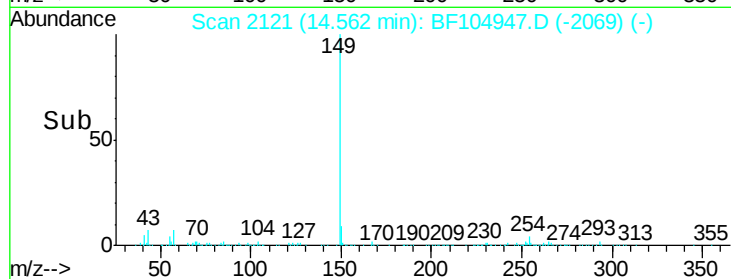
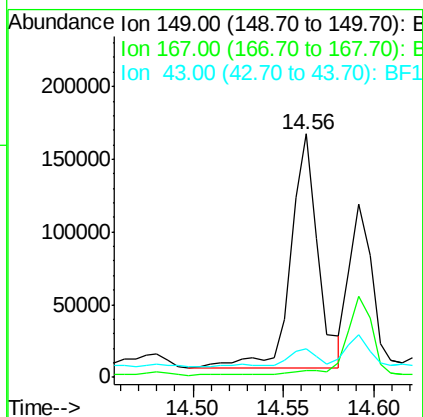
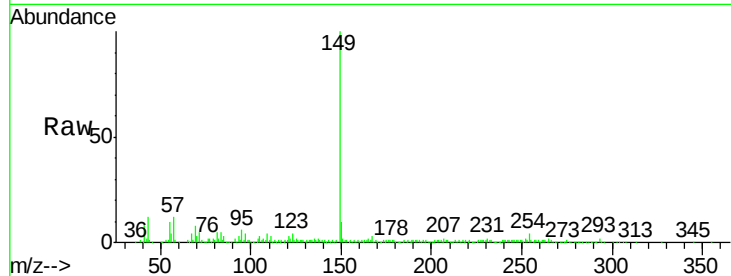
#84
Di-n-octyl phthalate
Concen: 36.402 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampled :
SB-01A

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	6.9	8.4	12.6#

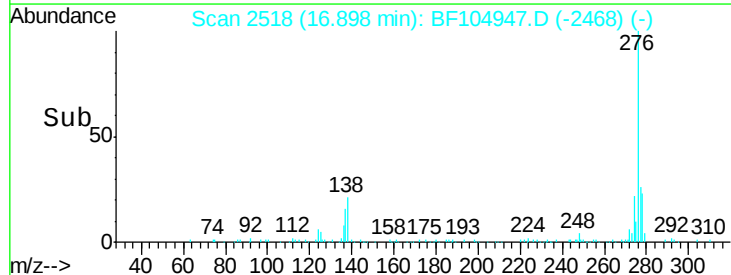
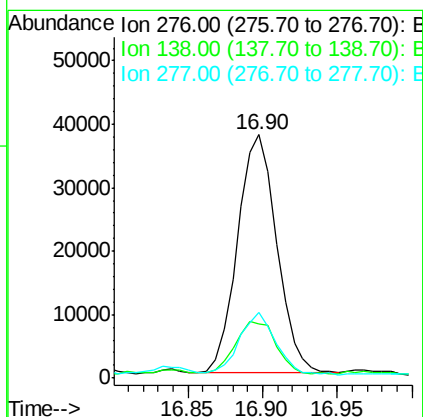
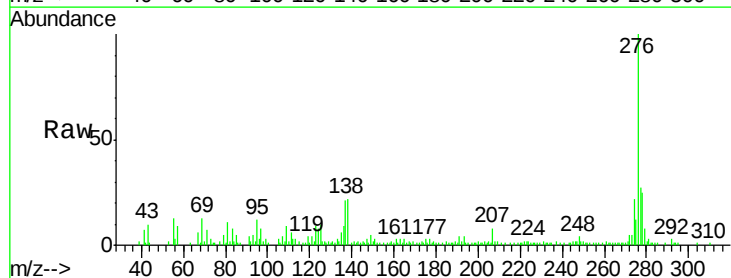
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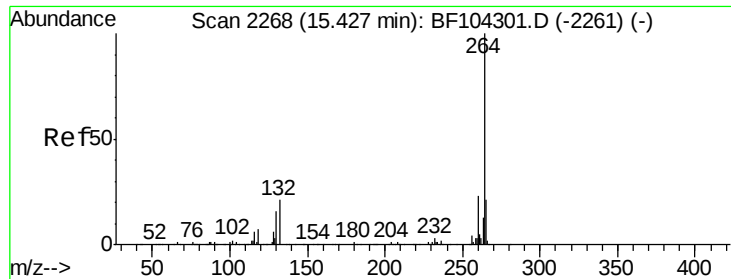
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#85
Indeno(1,2,3-cd)pyrene
Concen: 21.361 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	23.3	25.0	37.6#
277	25.0	20.1	30.1





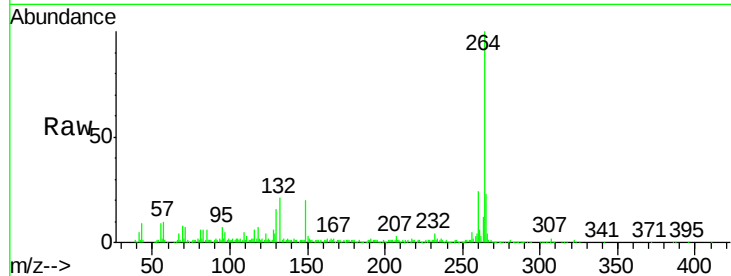
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampleId :
SB-01A

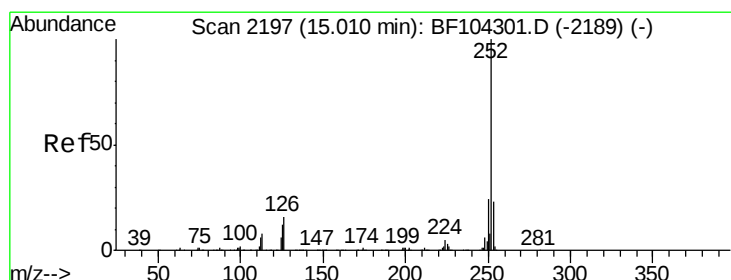
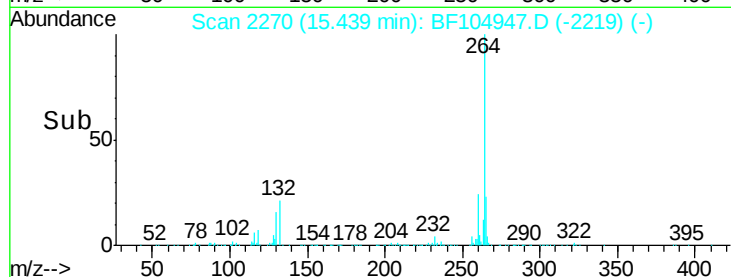
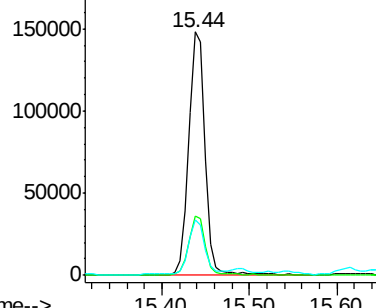
Tot Ion:	264	Resp:	195144
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.0	17.5	26.3

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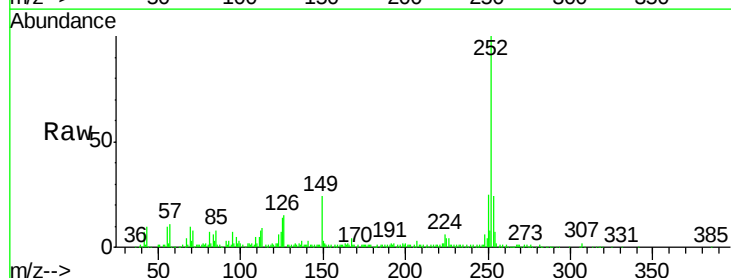


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

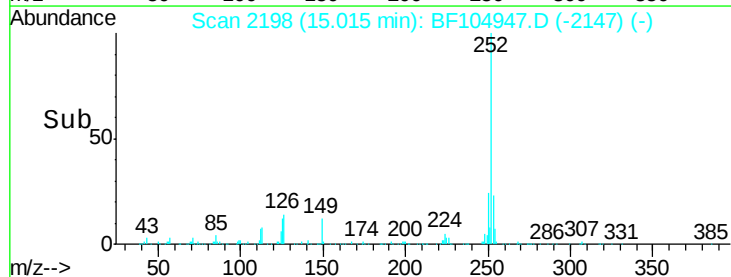
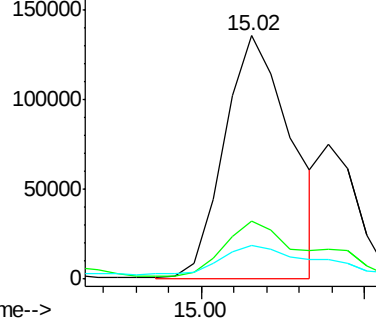


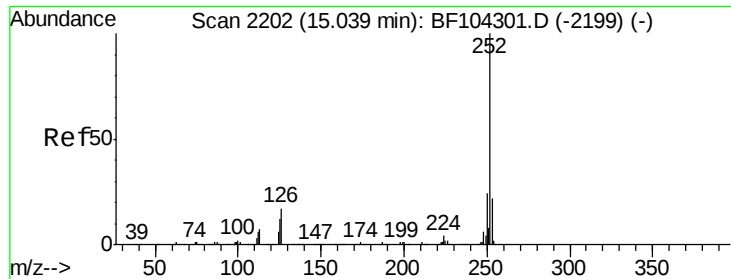
#87
Benzo(b)fluoranthene
Concen: 15.667 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion:	252	Resp:	193100
Ion Ratio		Lower	Upper
252	100		
253	23.7	17.0	25.6
125	14.1	9.0	13.6#



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





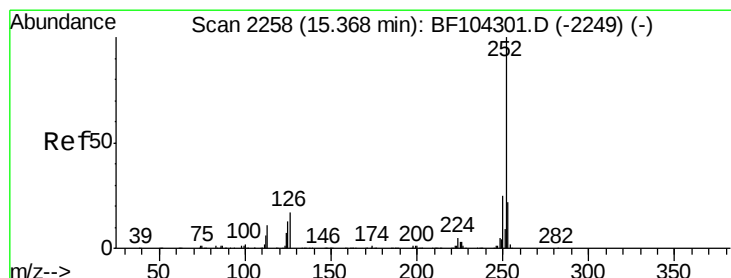
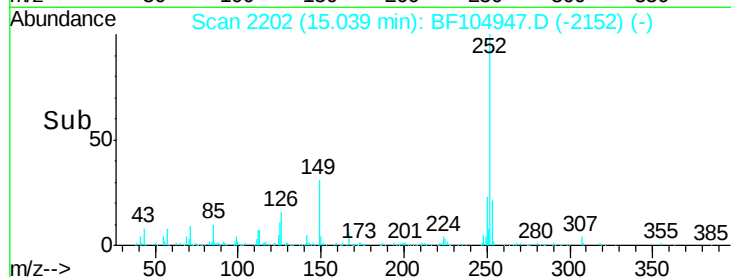
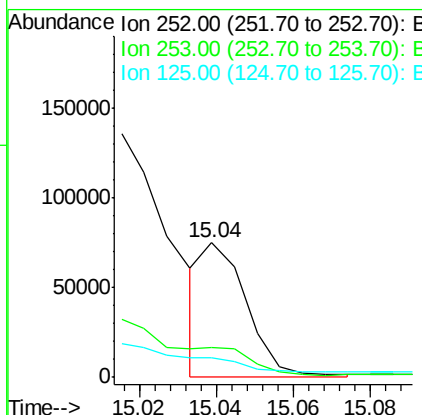
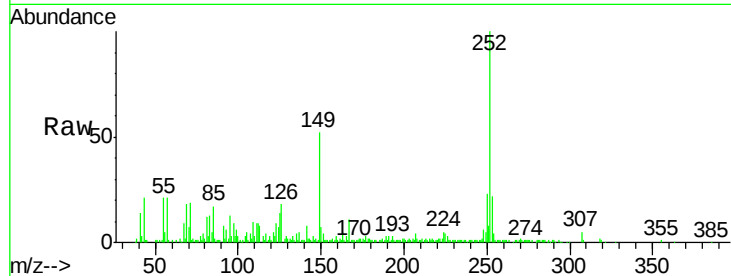
#88
Benzo(k)fluoranthene
Concen: 5.259 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampled :
SB-01A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.4	10.2	15.2

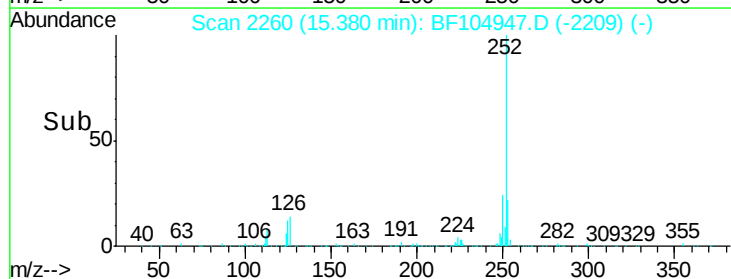
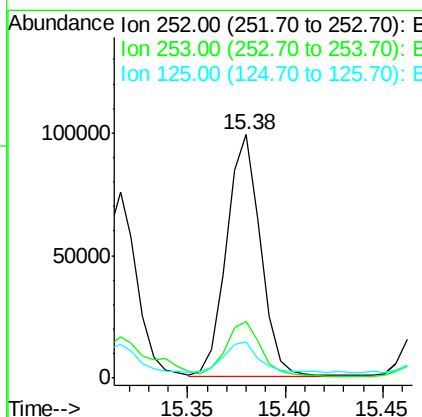
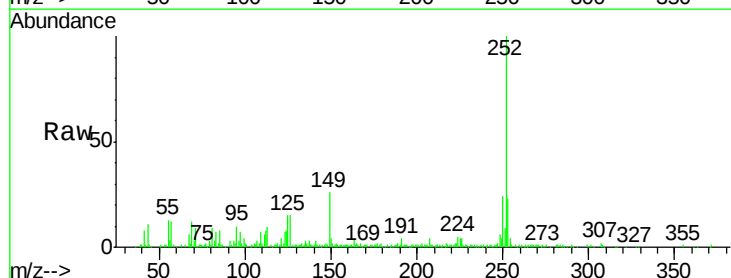
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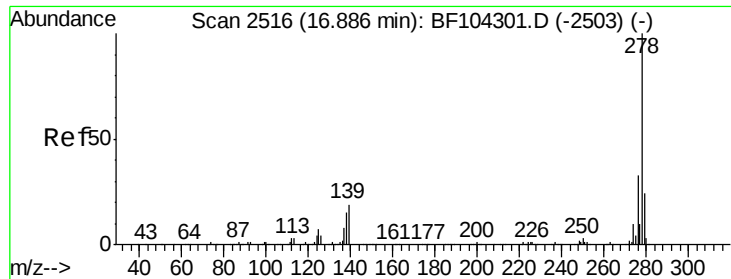
Sohil
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#89
Benzo(a)pyrene
Concen: 10.849 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.7	9.8	14.6#





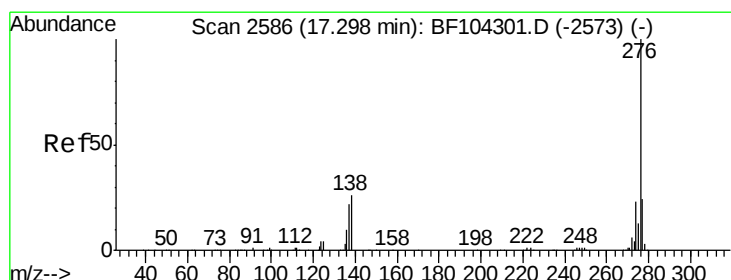
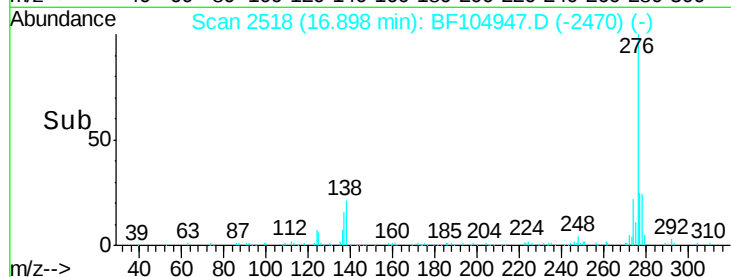
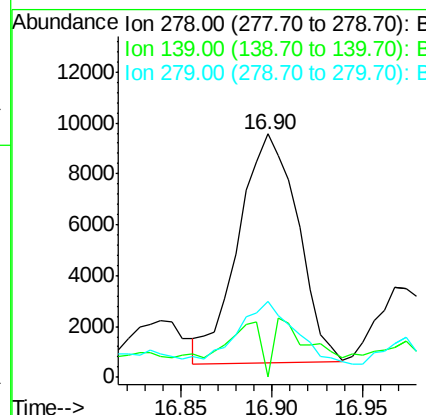
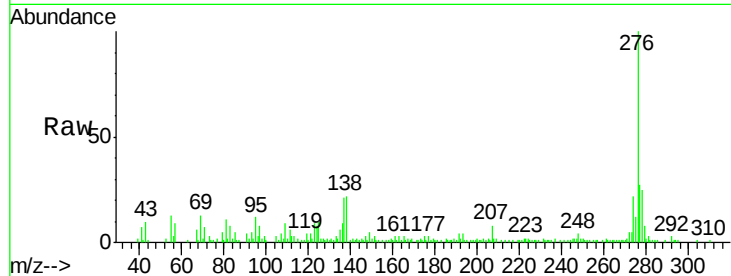
#90
Dibenzo(a,h)anthracene
Concen: 2.271 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Instrument :
BNA_F
ClientSampleId :
SB-01A

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	31.1	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 7.343 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.01 min
Lab File: BF104947.D
Acq: 30 Apr 2018 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	24.0	21.8	32.8

