

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104979.D
 Acq On : 1 May 2018 13:15
 Operator : JU/SJ
 Sample : J2166-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042718

Manual Integrations
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Quant Time: May 02 09:56:57 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107145	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	448067	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	203649	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	327423	20.00	ng	0.00
75) Chrysene-d12	13.97	240	214841	20.00	ng	0.00
86) Perylene-d12	15.44	264	210194	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	572094	81.64	ng	0.00
7) Phenol-d6	6.43	99	709448	82.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	425866	62.06	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	173066	81.92	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	772671	59.94	ng	0.00
78) Terphenyl-d14	12.91	244	566368	60.10	ng	0.00
Target Compounds						
10) Phenol	6.44	94	27123	2.969	ng	Qvalue 93
49) Dimethylphthalate	9.54	163	93121	5.799	ng	99
70) Phenanthrene	11.34	178	276908	15.186	ng	98
71) Anthracene	11.39	178	57612	3.108	ng	97
74) Fluoranthene	12.54	202	474549	24.909	ng	98
77) Pyrene	12.77	202	479186	30.091	ng	99
80) Benzo(a)anthracene	13.96	228	215559	16.795	ng	98
82) Chrysene	14.00	228	229062	17.375	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	103794	9.268	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	283716m	21.371	ng	
88) Benzo(k)fluoranthene	15.04	252	70948m	5.661	ng	
89) Benzo(a)pyrene	15.37	252	190830	16.065	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	30630	3.140	ng	# 92
91) Benzo(g,h,i)perylene	17.34	276	102177	10.811	ng	96

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

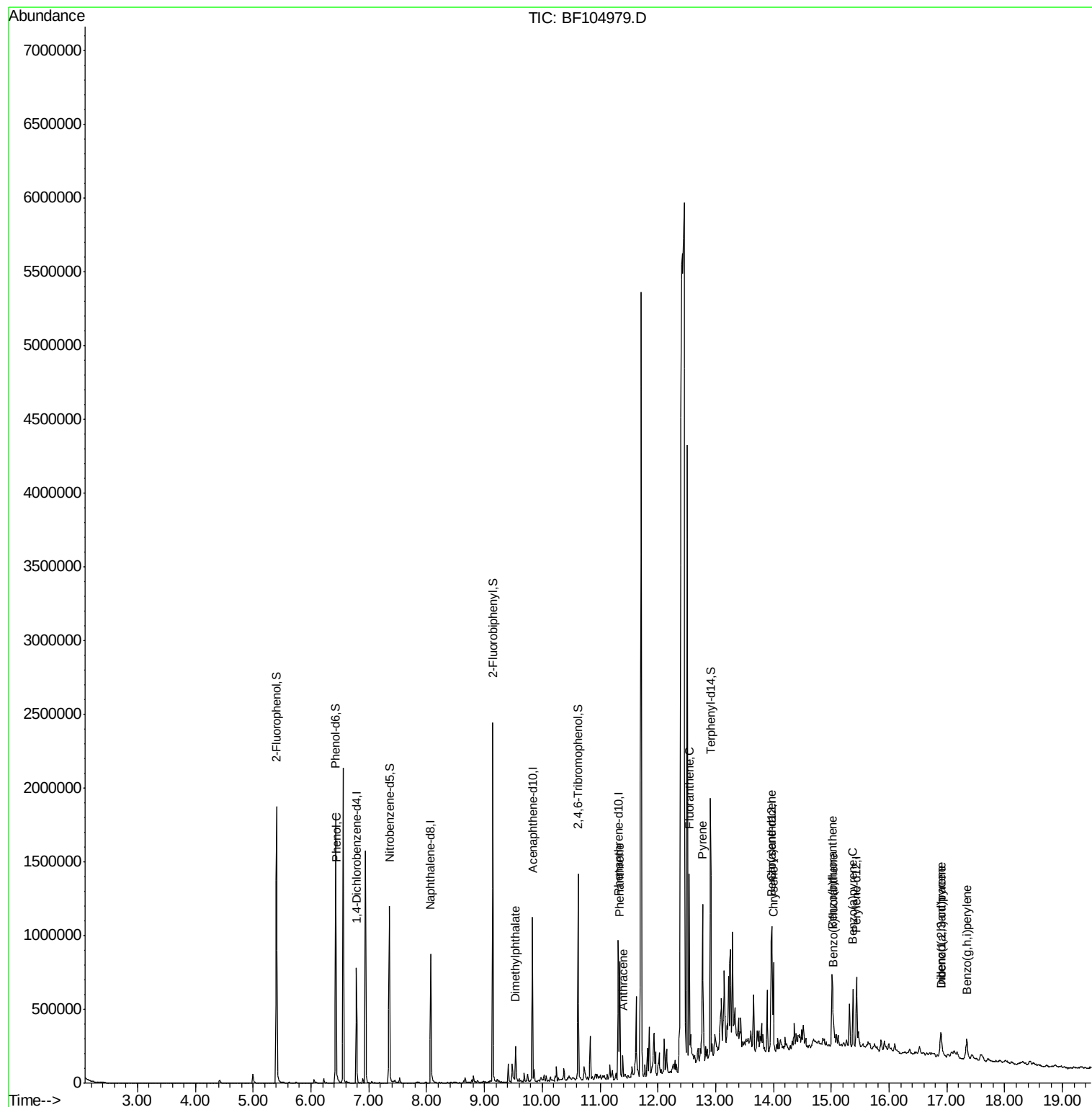
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104979.D
Acq On : 1 May 2018 13:15
Operator : JU/SJ
Sample : J2166-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

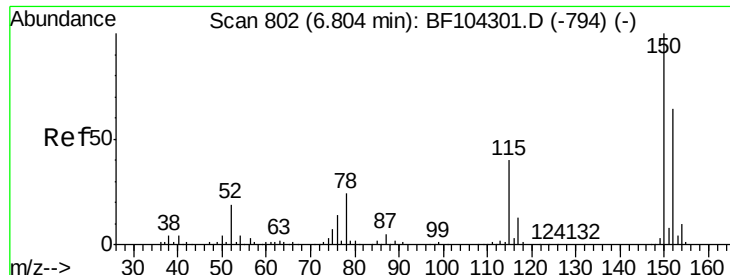
Instrument :
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Quant Time: May 02 09:56:57 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

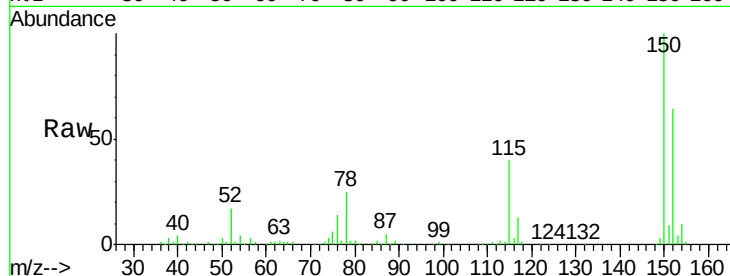
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	62.8	50.1	75.1

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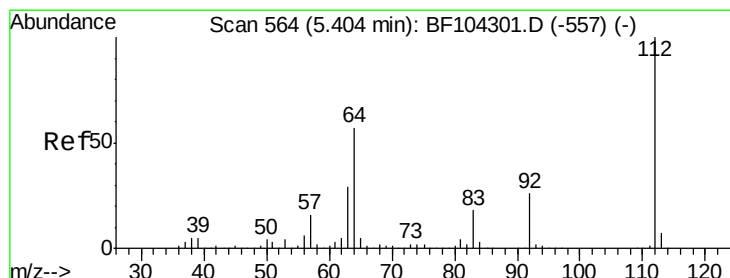
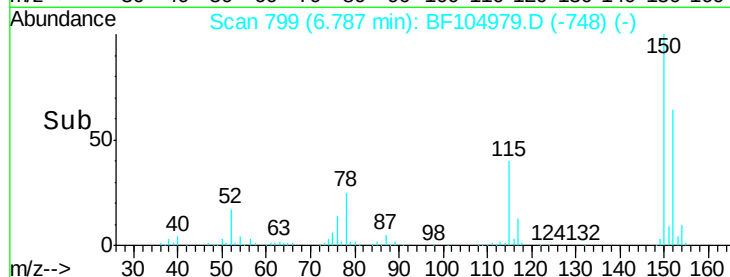
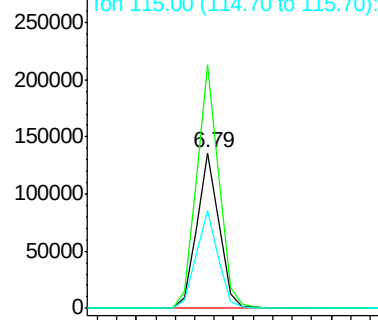


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

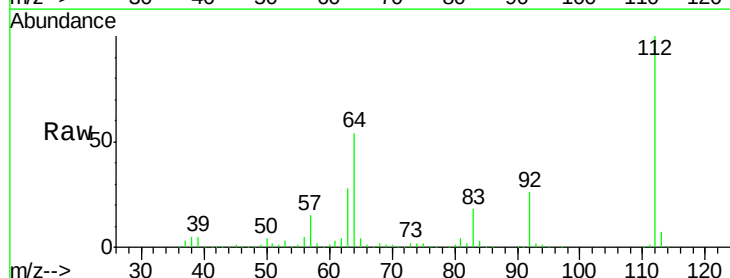
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.643 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	28.1	23.7	35.5

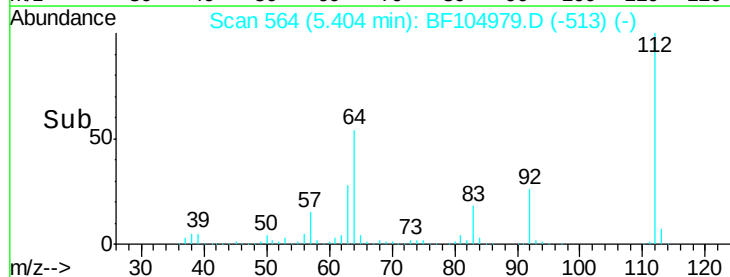
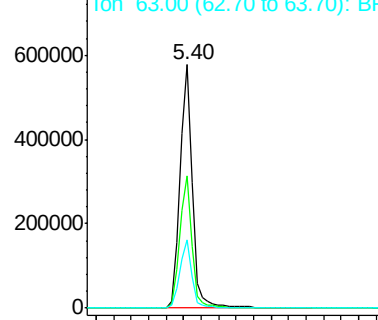


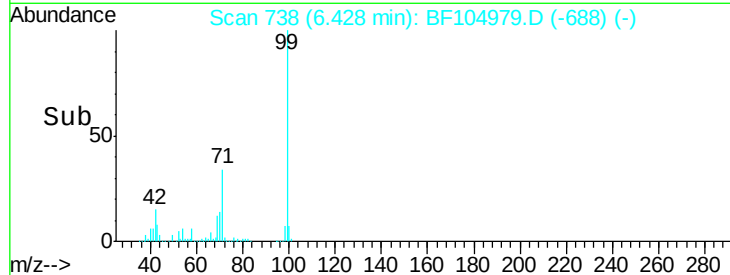
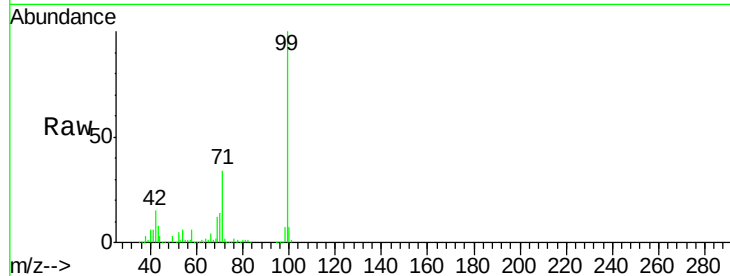
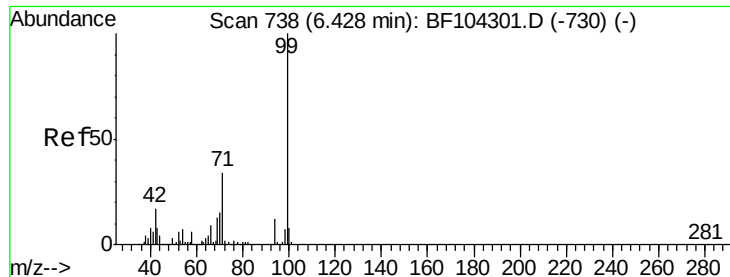
Abundance

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: 82.401 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		709448		
42	15.4	14.5	21.7		
71	33.7	25.4	38.0		

Instrument :

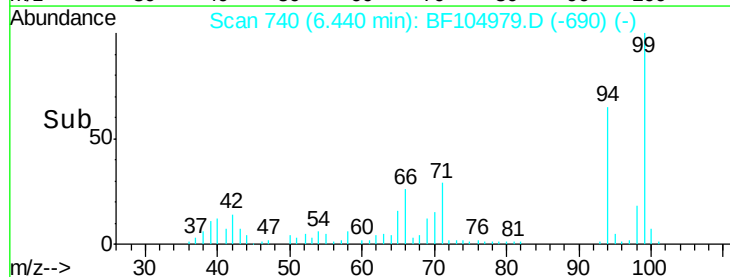
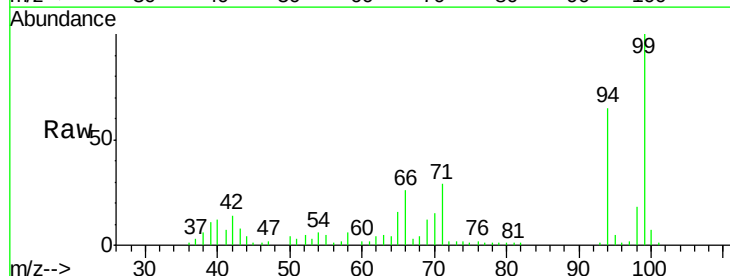
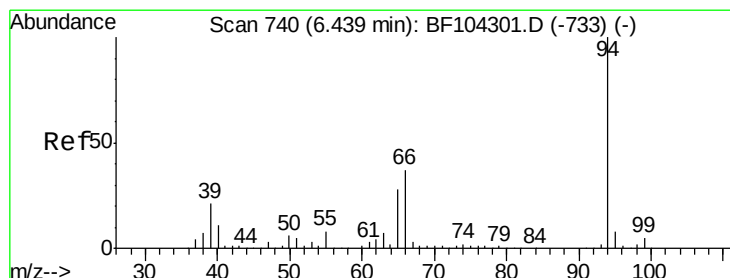
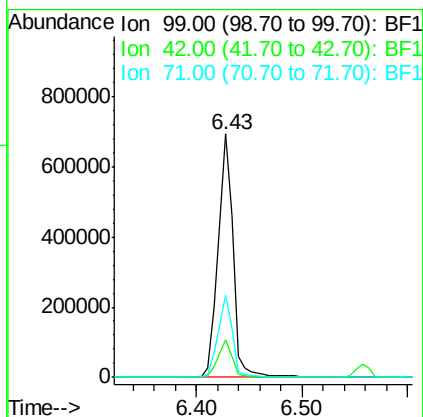
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ClientSampleId :

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#10

Phenol

Concen: 2.969 ng

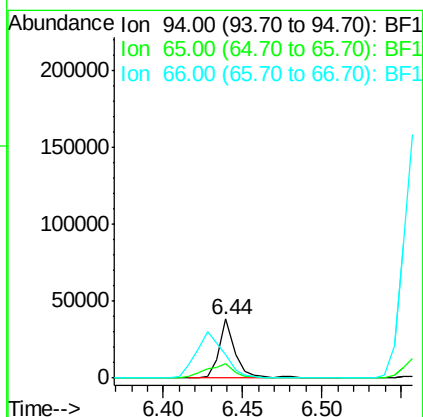
RT: 6.44 min Scan# 740

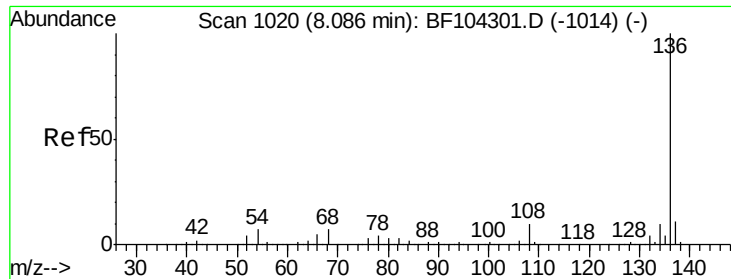
Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		27123		
65	24.4	7.9	47.9		
66	40.2	16.2	56.2		





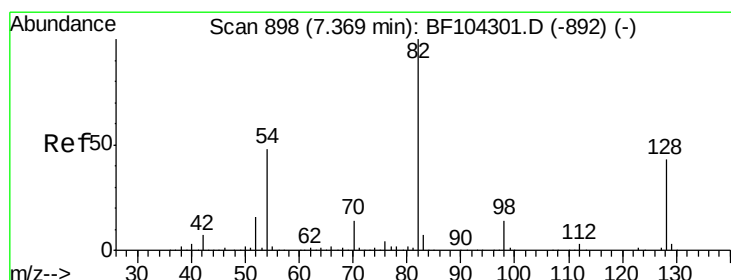
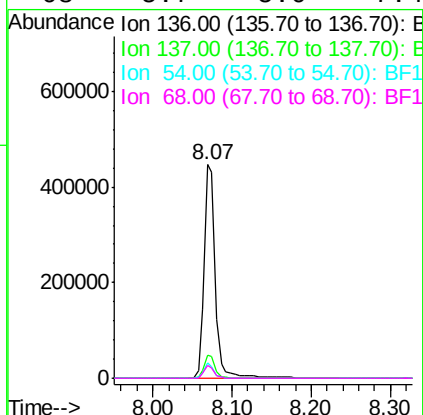
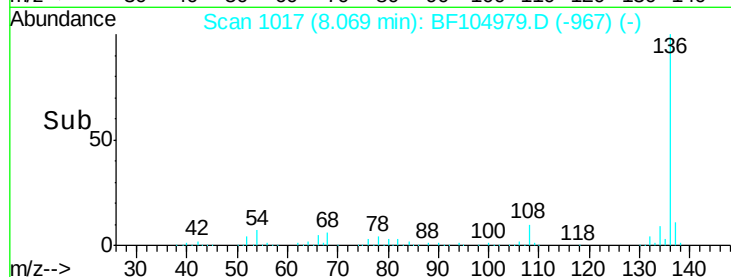
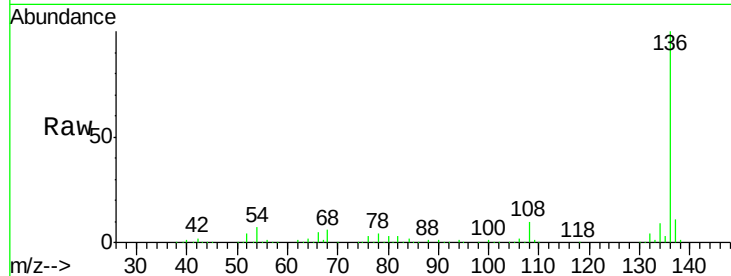
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	448067		
137	11.0	8.9	13.3	
54	7.0	6.6	9.8	
68	5.7	5.0	7.4	

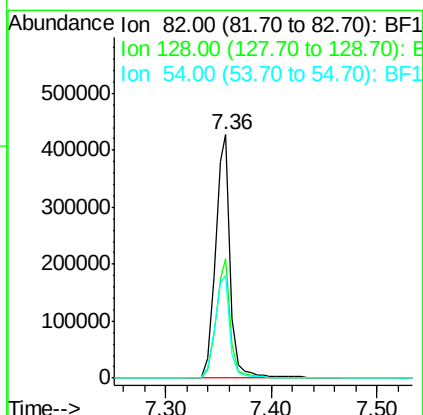
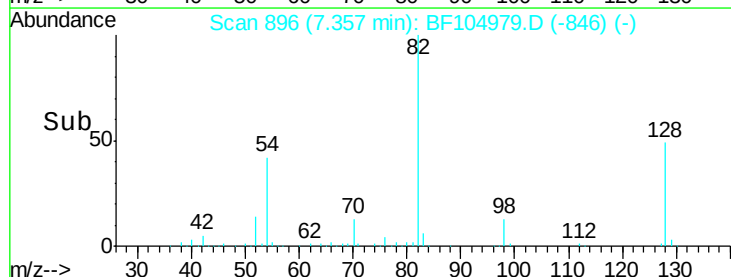
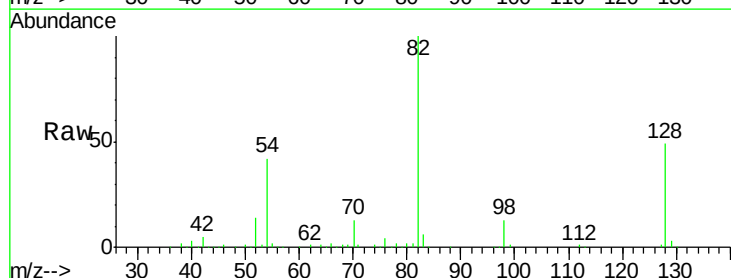
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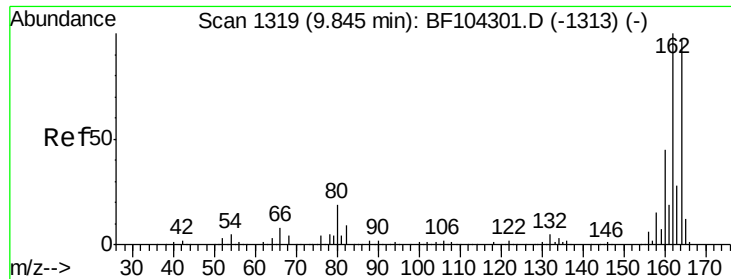
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#23
Nitrobenzene-d5
Concen: 62.063 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	425866		
128	48.8	36.1	54.1	
54	42.2	41.4	62.2	





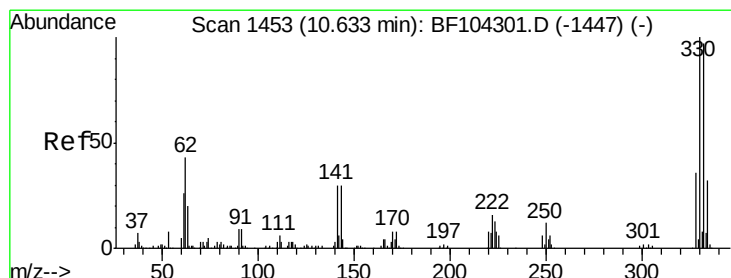
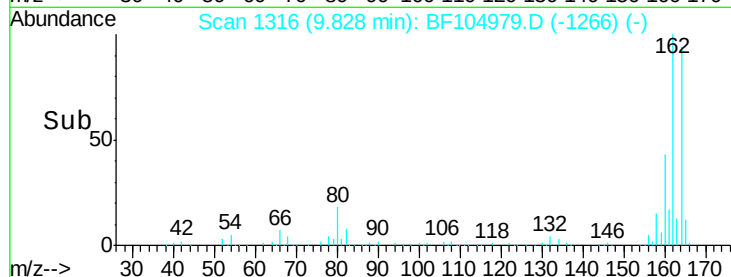
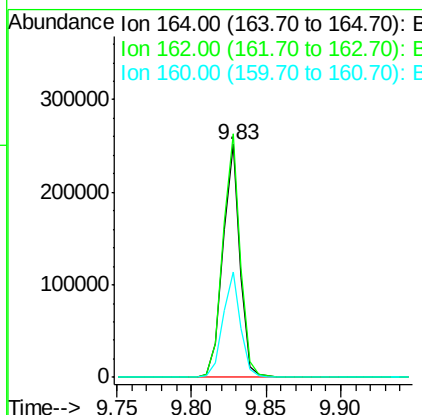
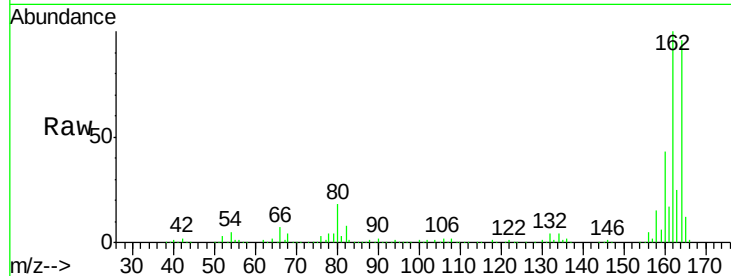
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	203649		
162	104.6	86.1	129.1	
160	45.3	38.3	57.5	

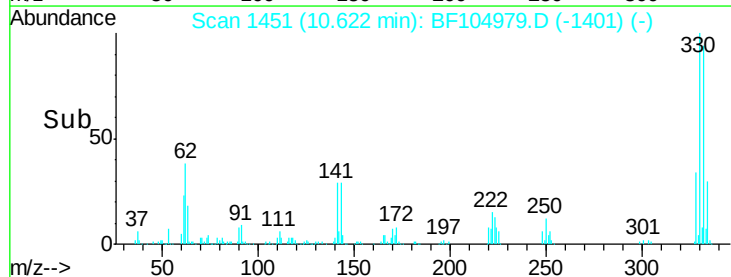
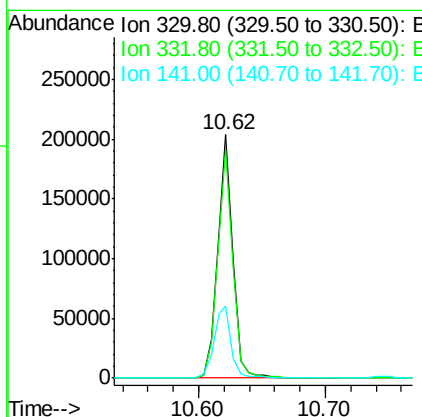
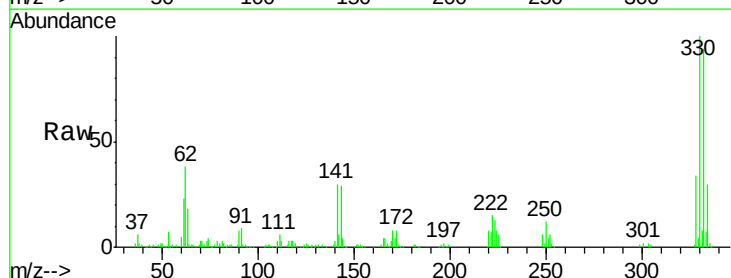
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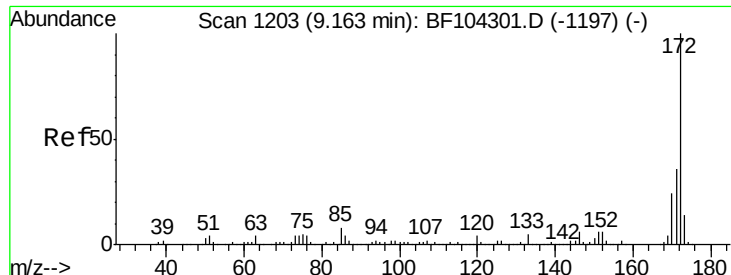
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#41
2,4,6-Tribromophenol
Concen: 81.924 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	173066		
332	94.9	77.0	115.6	
141	33.9	29.9	44.9	





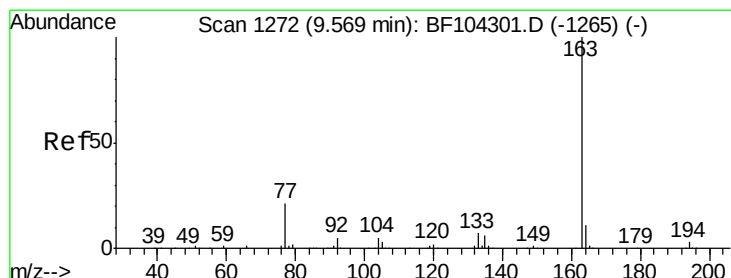
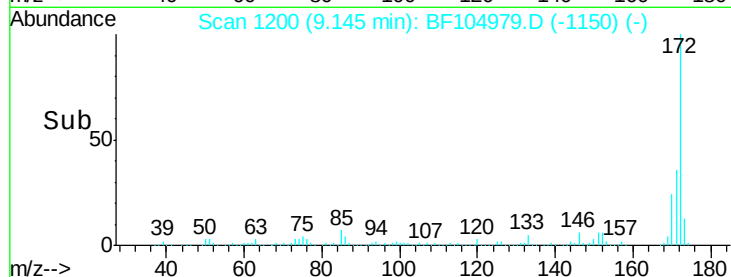
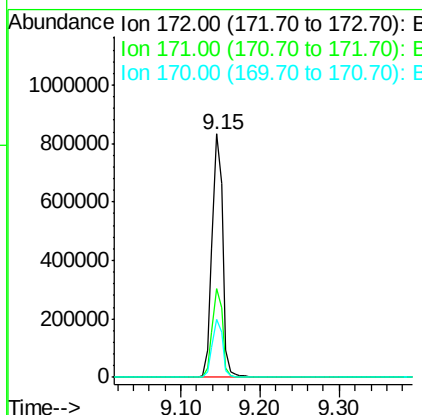
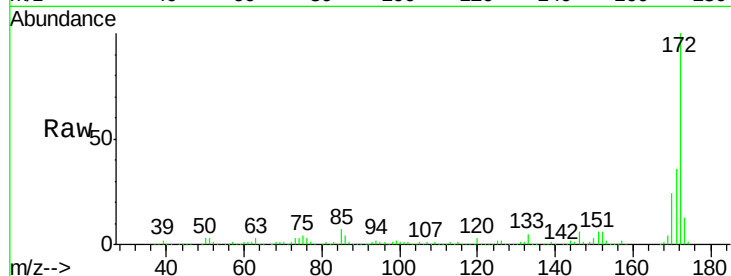
#44
2-Fluorobiphenyl
Concen: 59.938 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	772671		
171	36.2	29.7	44.5	
170	23.6	19.6	29.4	

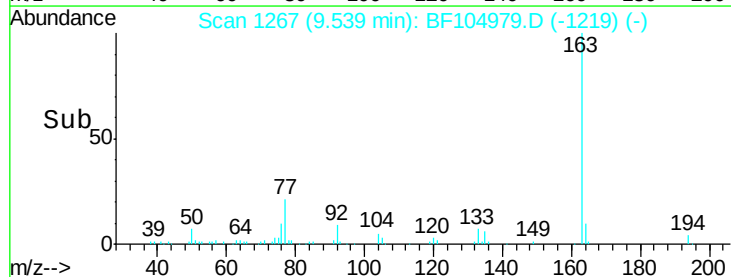
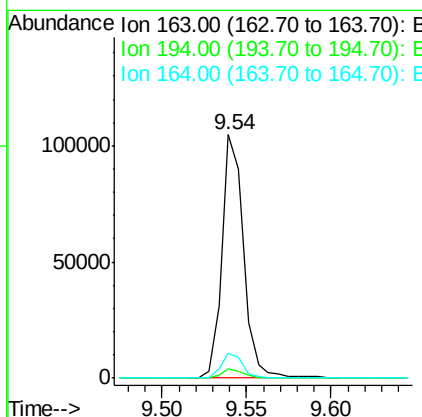
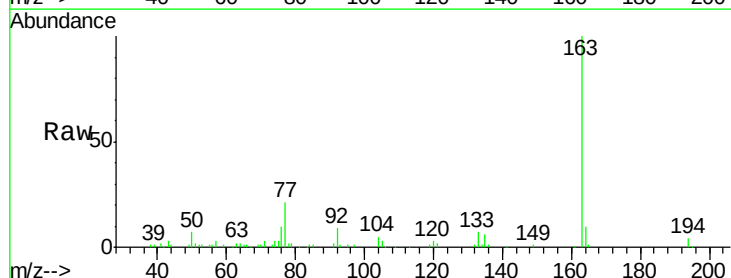
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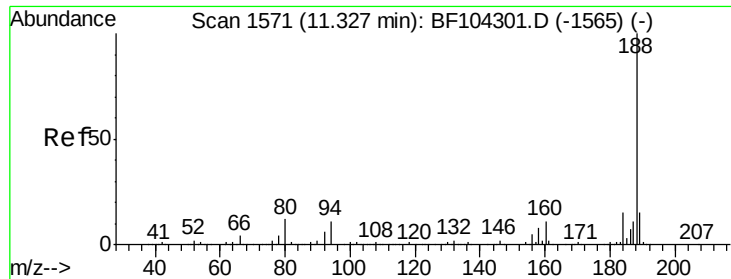
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#49
Dimethylphthalate
Concen: 5.799 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	93121		
194	3.7	2.7	4.1	
164	10.3	8.2	12.2	





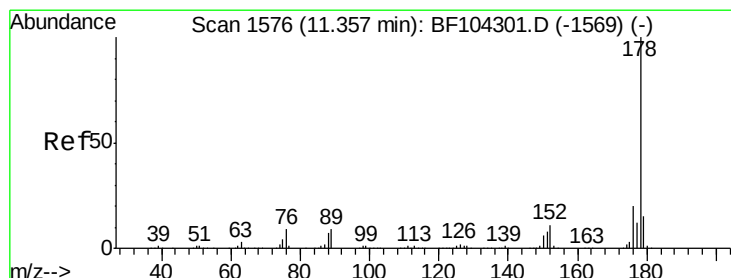
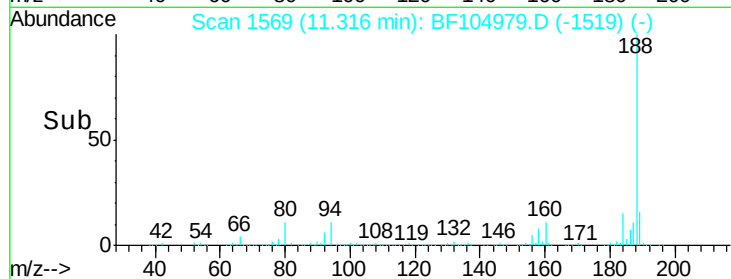
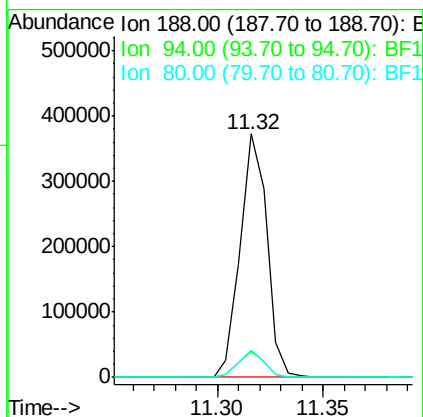
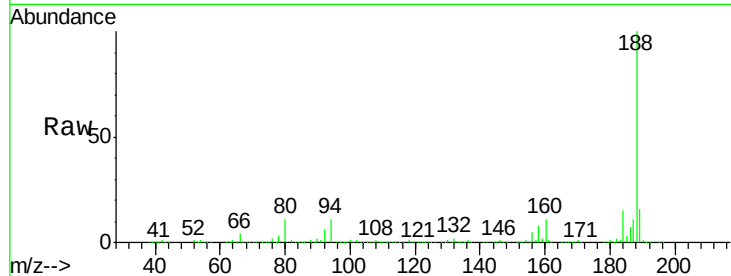
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	327423		
94	10.7		8.5	12.7
80	11.0		9.2	13.8

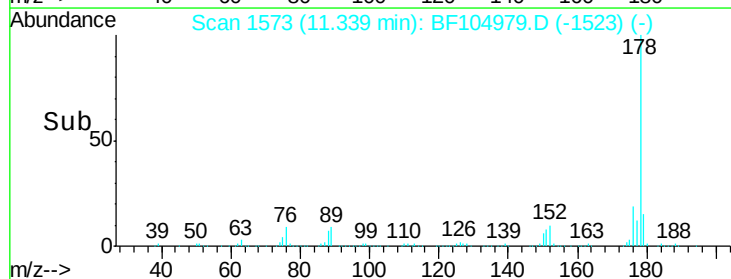
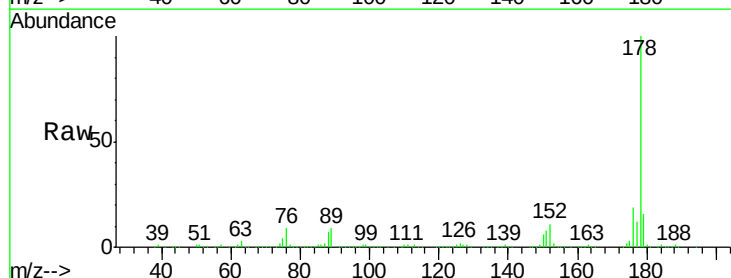
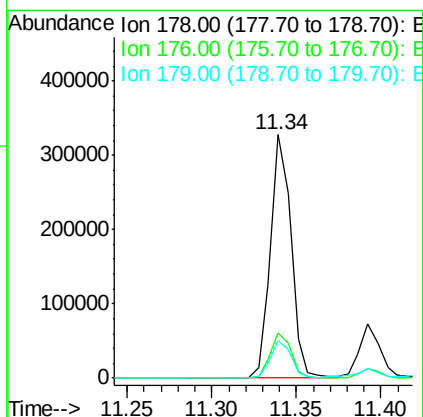
Manual Integrations
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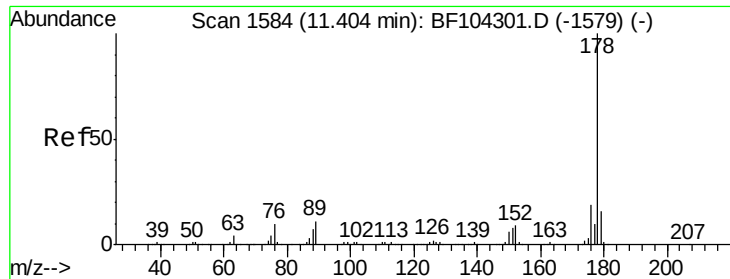
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#70
Phenanthrene
Concen: 15.186 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	276908		
176	18.6		15.8	23.8
179	15.5		13.0	19.6





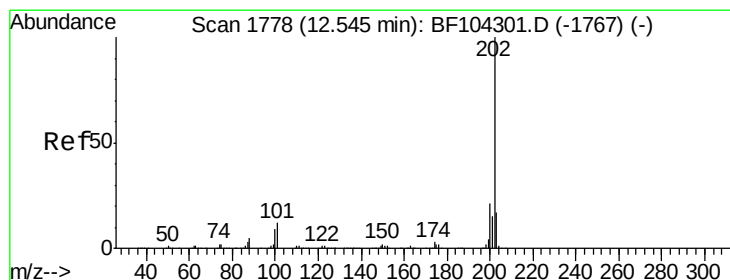
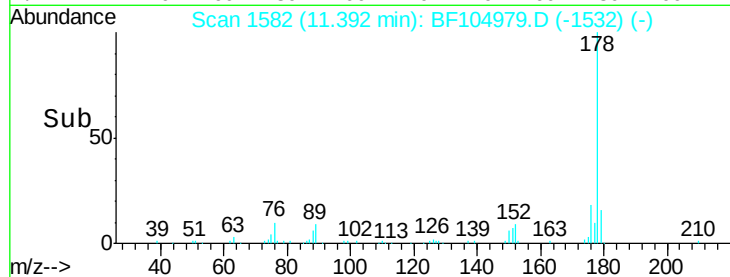
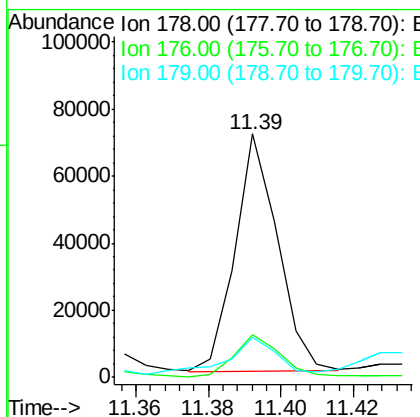
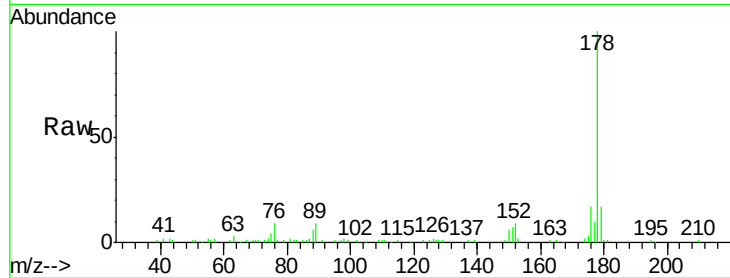
#71
 Anthracene
 Concen: 3.108 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042718

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.5	12.6	19.0

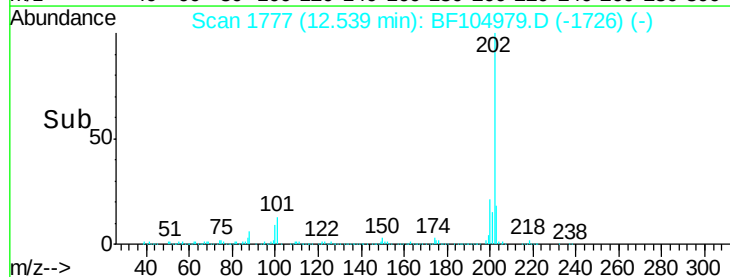
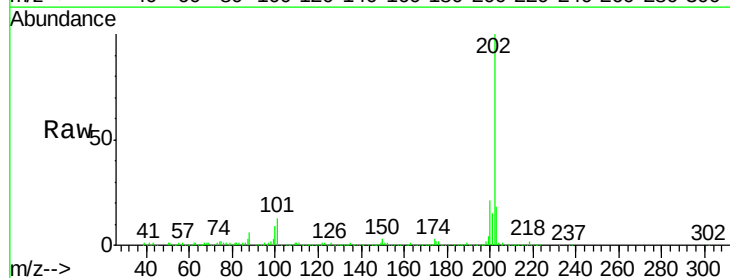
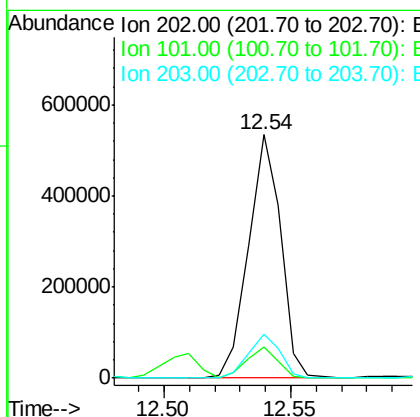
Manual Integrations
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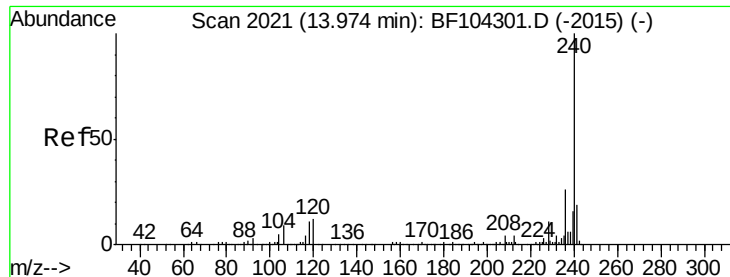
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#74
 Fluoranthene
 Concen: 24.909 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.9	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: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

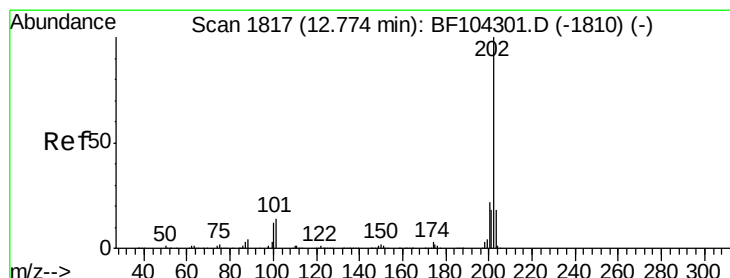
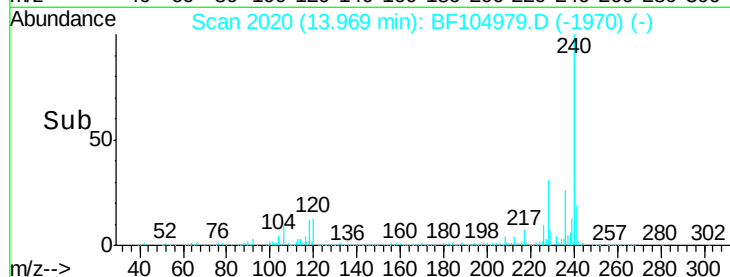
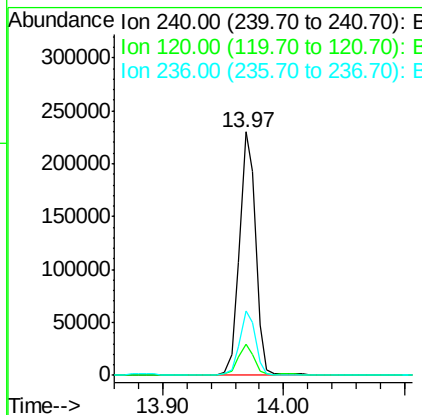
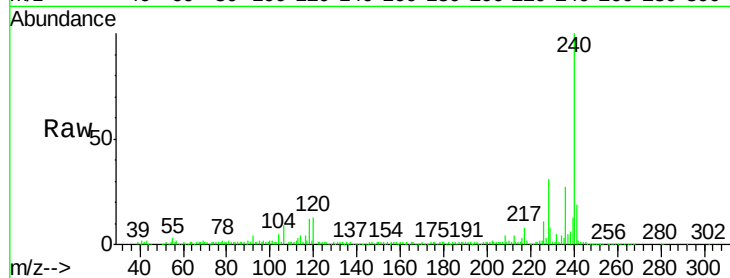
ClientSampleId :

TR-05-042718

Tgt Ion:	240	Resp:	214841
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 30.091 ng

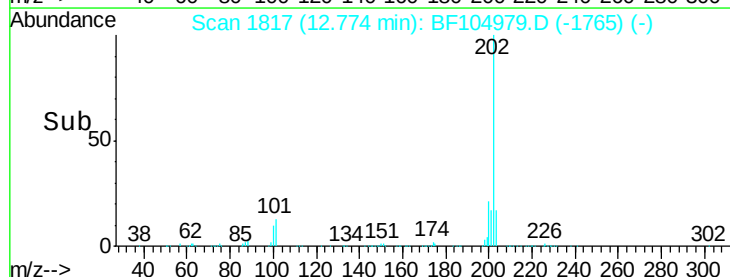
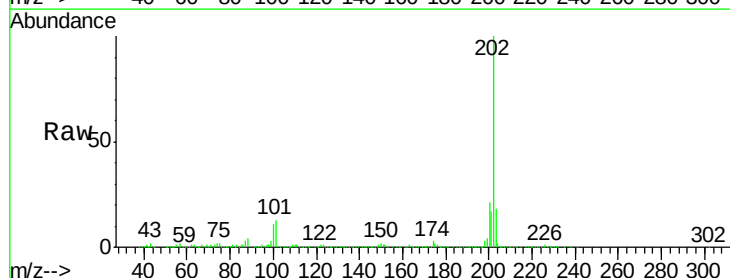
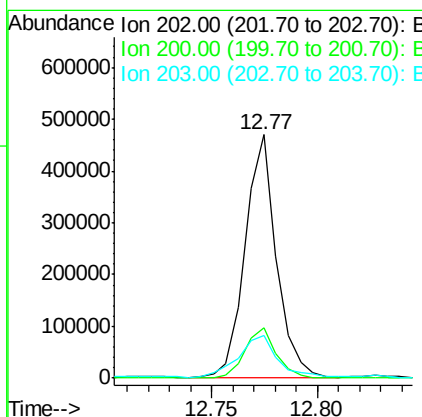
RT: 12.77 min Scan# 1817

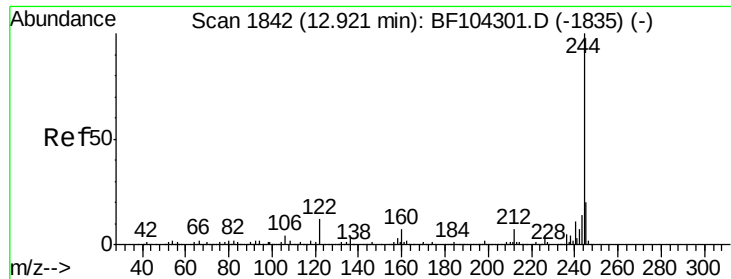
Delta R.T. 0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Tgt Ion:	202	Resp:	479186
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.8	14.3	21.5





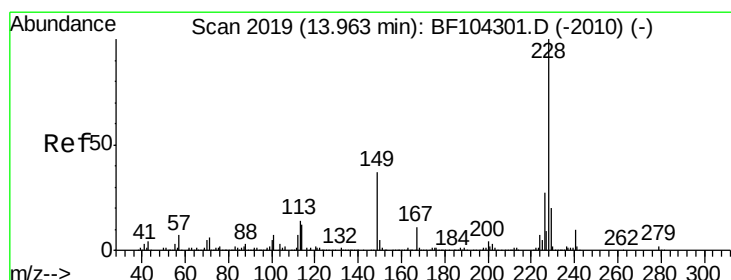
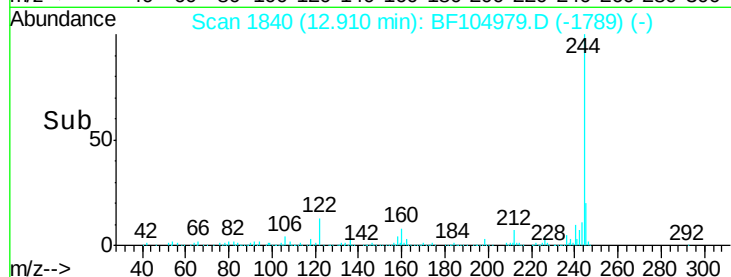
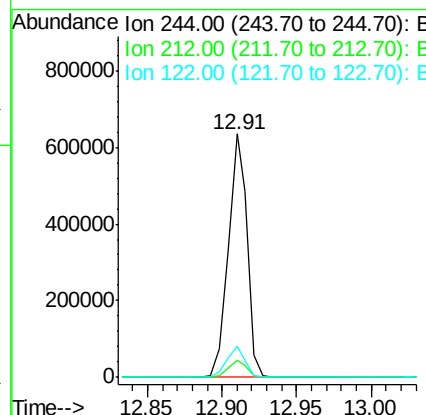
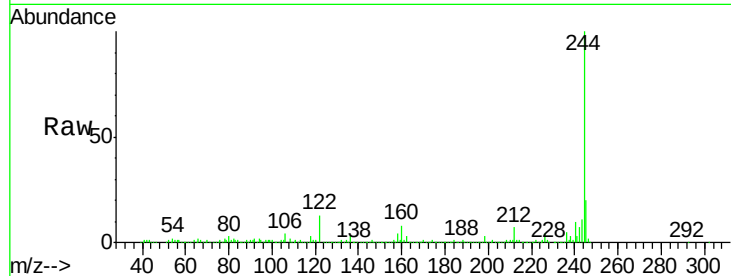
#78
 Terphenyl-d14
 Concen: 60.101 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042718

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	566368		
212	7.2	5.4	8.0	
122	12.9	11.0	16.4	

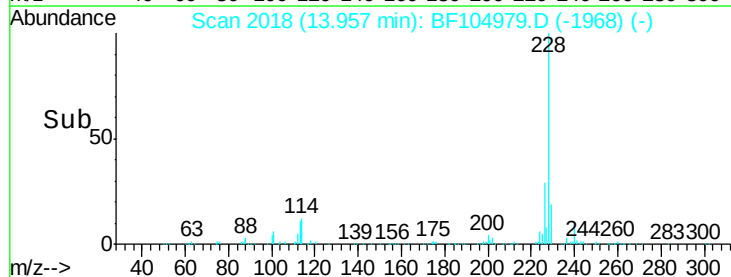
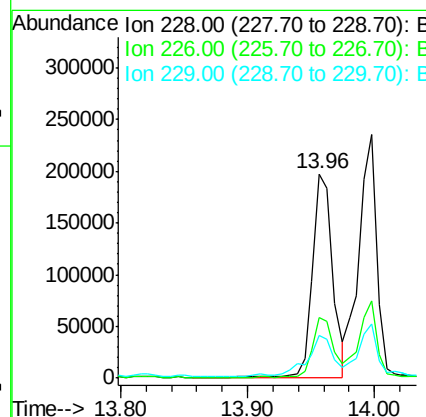
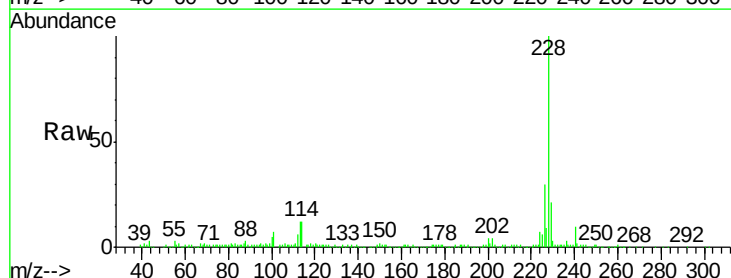
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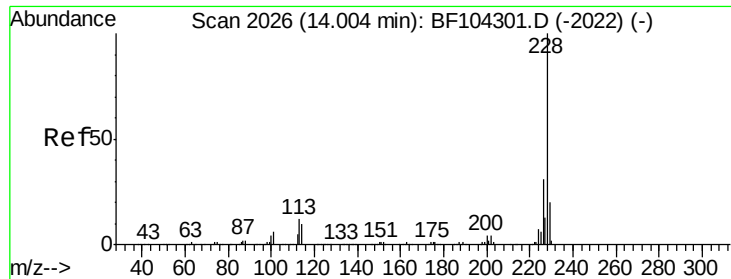
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#80
 Benzo(a)anthracene
 Concen: 16.795 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	215559		
226	29.6	22.6	33.8	
229	20.7	15.8	23.6	





#82

Chrysene

Concen: 17.375 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

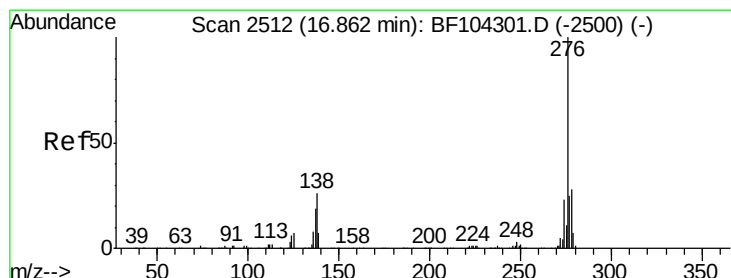
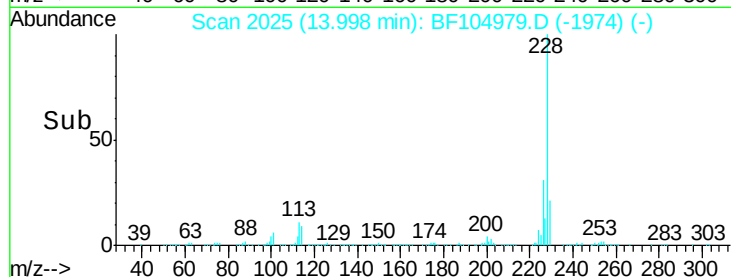
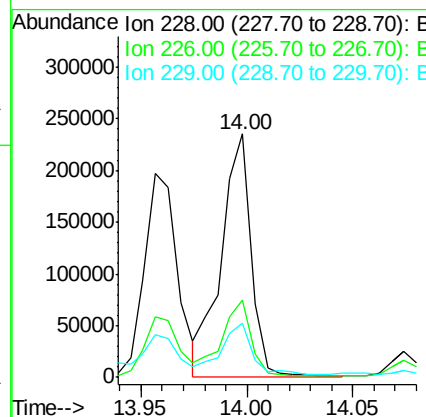
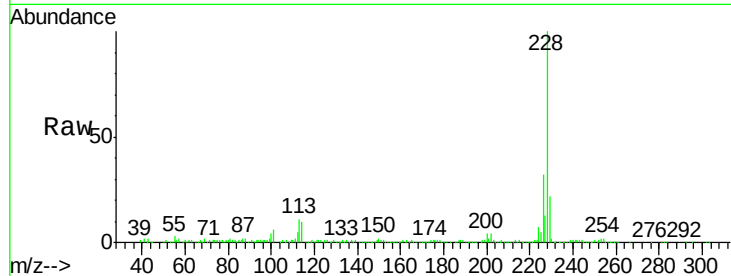
ClientSampleId :

TR-05-042718

Tgt Ion:	228	Resp:	229062
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	22.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.268 ng

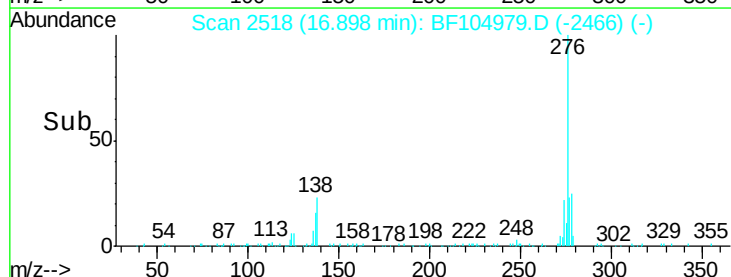
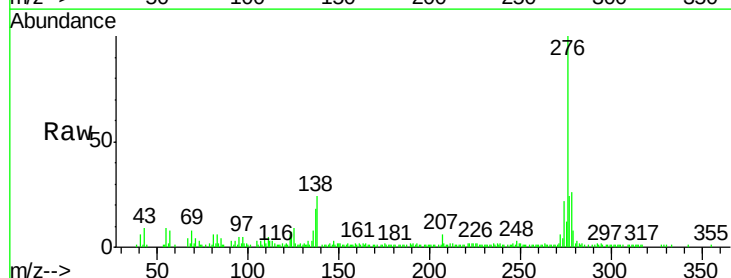
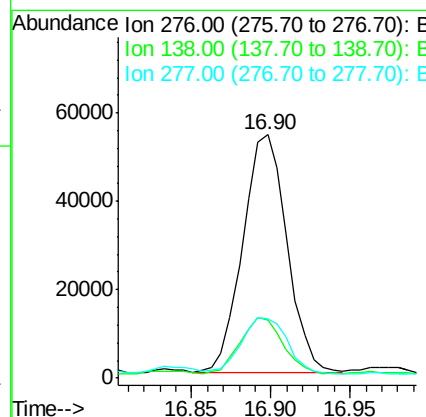
RT: 16.90 min Scan# 2518

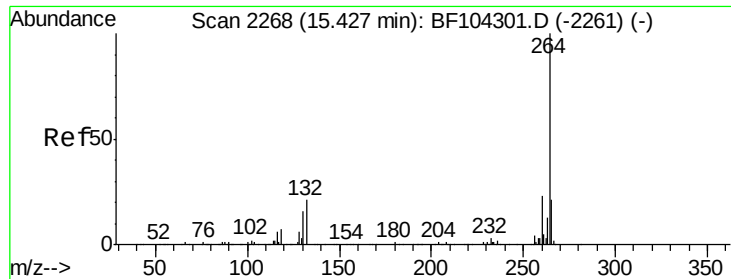
Delta R.T. 0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Tgt Ion:	276	Resp:	103794
Ion Ratio	Lower	Upper	
276	100		
138	24.1	25.0	37.6#
277	24.8	20.1	30.1





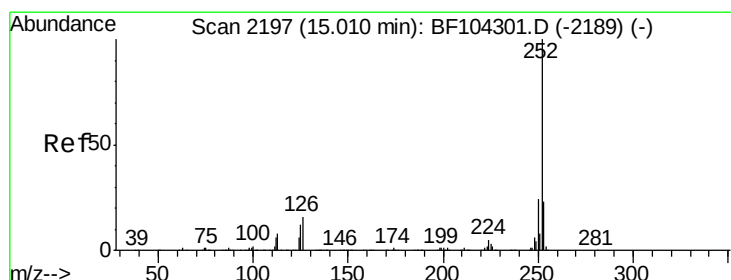
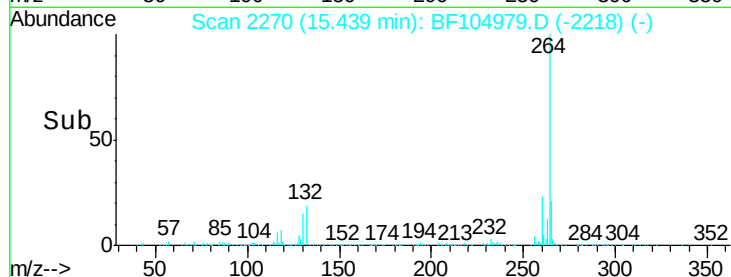
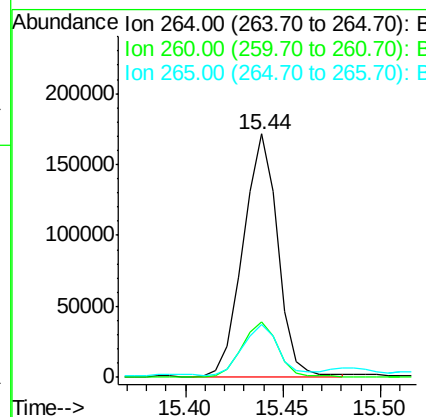
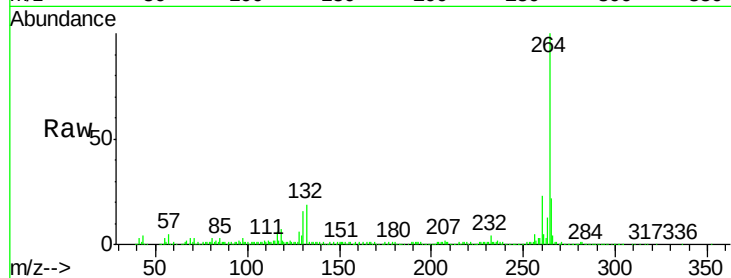
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	210194		
260	22.9	19.2	28.8	
265	21.8	17.5	26.3	

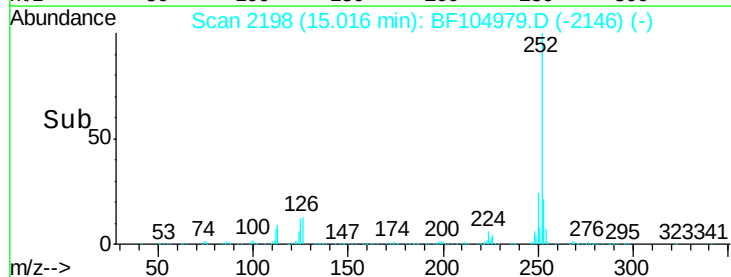
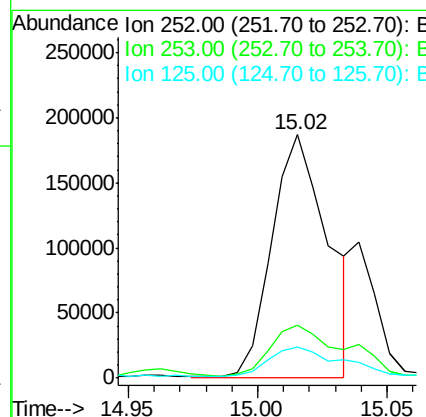
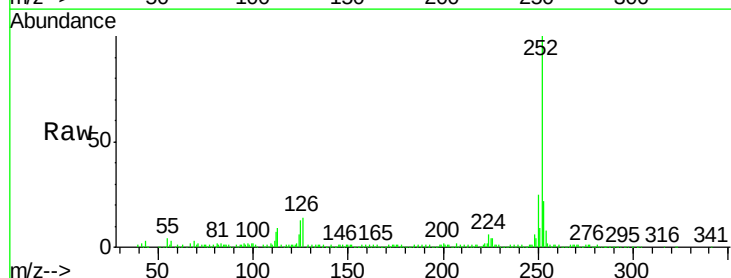
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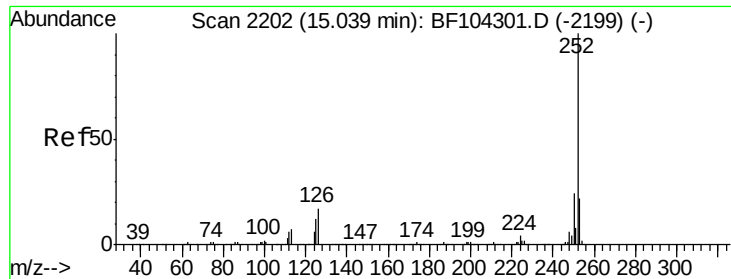
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#87
Benzo(b)fluoranthene
Concen: 21.371 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	283716		
253	21.7	17.0	25.6	
125	12.7	9.0	13.6	





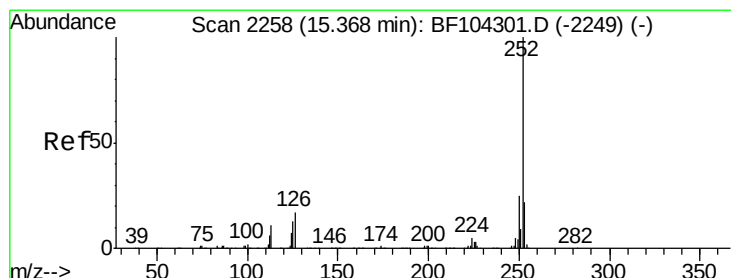
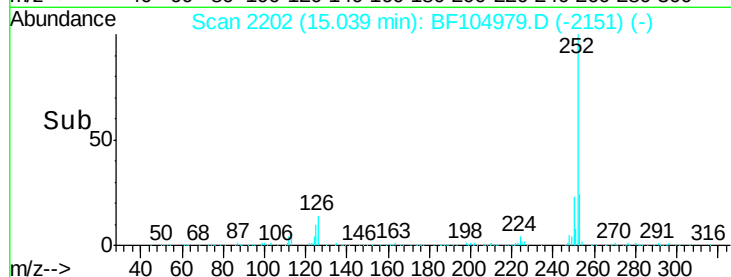
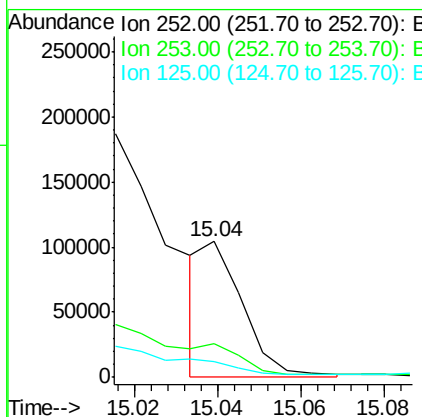
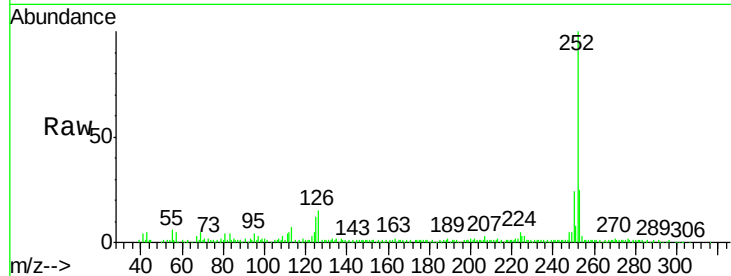
#88
Benzo(k)fluoranthene
Concen: 5.661 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	11.9	10.2	15.2

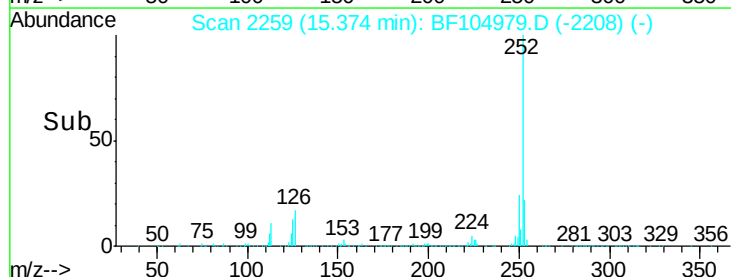
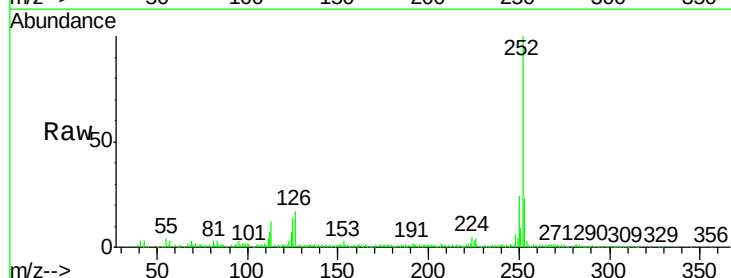
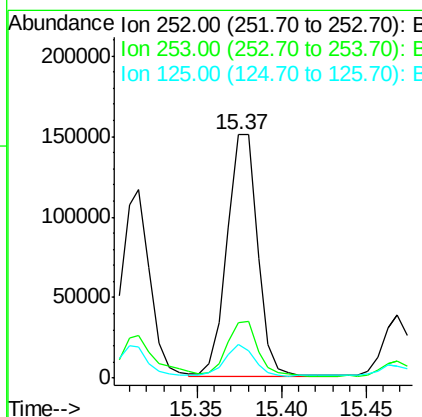
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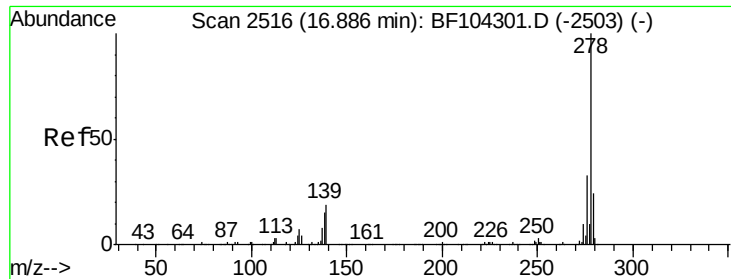
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#89
Benzo(a)pyrene
Concen: 16.065 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.7	9.8	14.6





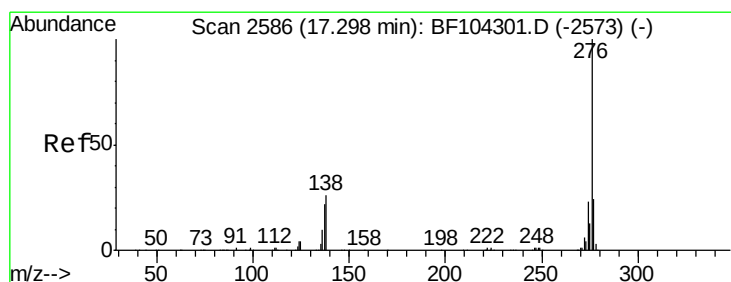
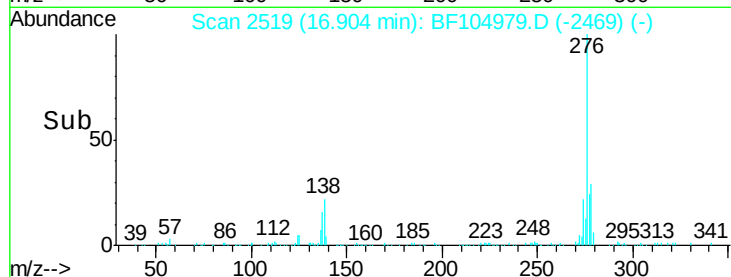
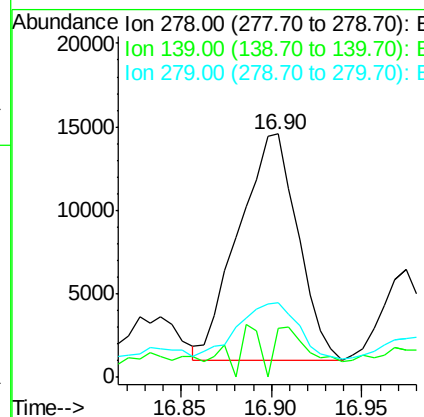
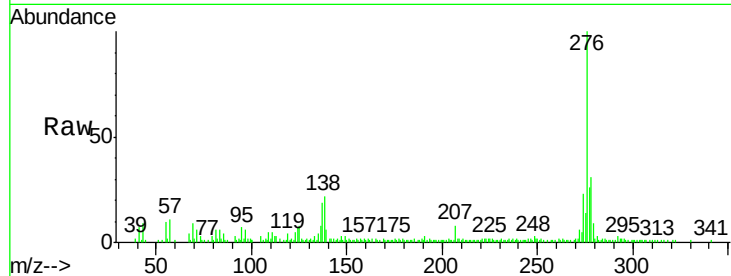
#90
Dibenzo(a,h)anthracene
Concen: 3.140 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :
TR-05-042718

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.9	23.9
279	30.7	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.811 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	24.0	21.8	32.8

