

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104037.D
 Acq On : 29 Mar 2018 6:52
 Operator : JU/SJ
 Sample : J2071-04DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-DDL

Manual Integrations
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Quant Time: Mar 29 09:20:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	129477	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	531626	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	216883	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	307907	20.00	ng	0.00
75) Chrysene-d12	14.16	240	224576	20.00	ng	0.00
86) Perylene-d12	15.70	264	171398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	389073	47.92	ng	0.00
7) Phenol-d6	6.60	99	524507	52.51	ng	0.00
23) Nitrobenzene-d5	7.53	82	307093	35.33	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	99544	41.22	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	569604	41.41	ng	0.00
78) Terphenyl-d14	13.09	244	351453	36.13	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	54476	3.181	ng	99
70) Phenanthrene	11.52	178	168040	10.080	ng	97
71) Anthracene	11.58	178	69005	3.963	ng	96
74) Fluoranthene	12.72	202	302690	17.082	ng	97
77) Pyrene	12.95	202	331781	20.552	ng	98
80) Benzo(a)anthracene	14.14	228	190675	13.569	ng	97
82) Chrysene	14.19	228	188176	13.672	ng	96
83) Bis(2-ethylhexyl)phthalate	14.11	149	767557	78.106	ng	99
85) Indeno(1,2,3-cd)pyrene	17.29	276	89627	6.284	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	196491m	18.837	ng	
88) Benzo(k)fluoranthene	15.26	252	89057m	9.063	ng	
89) Benzo(a)pyrene	15.64	252	162547	16.816	ng	# 93
90) Dibenzo(a,h)anthracene	17.30	278	22518	2.520	ng	# 77
91) Benzo(a,h,i)perylene	17.77	276	93122	10.403	ng	95

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

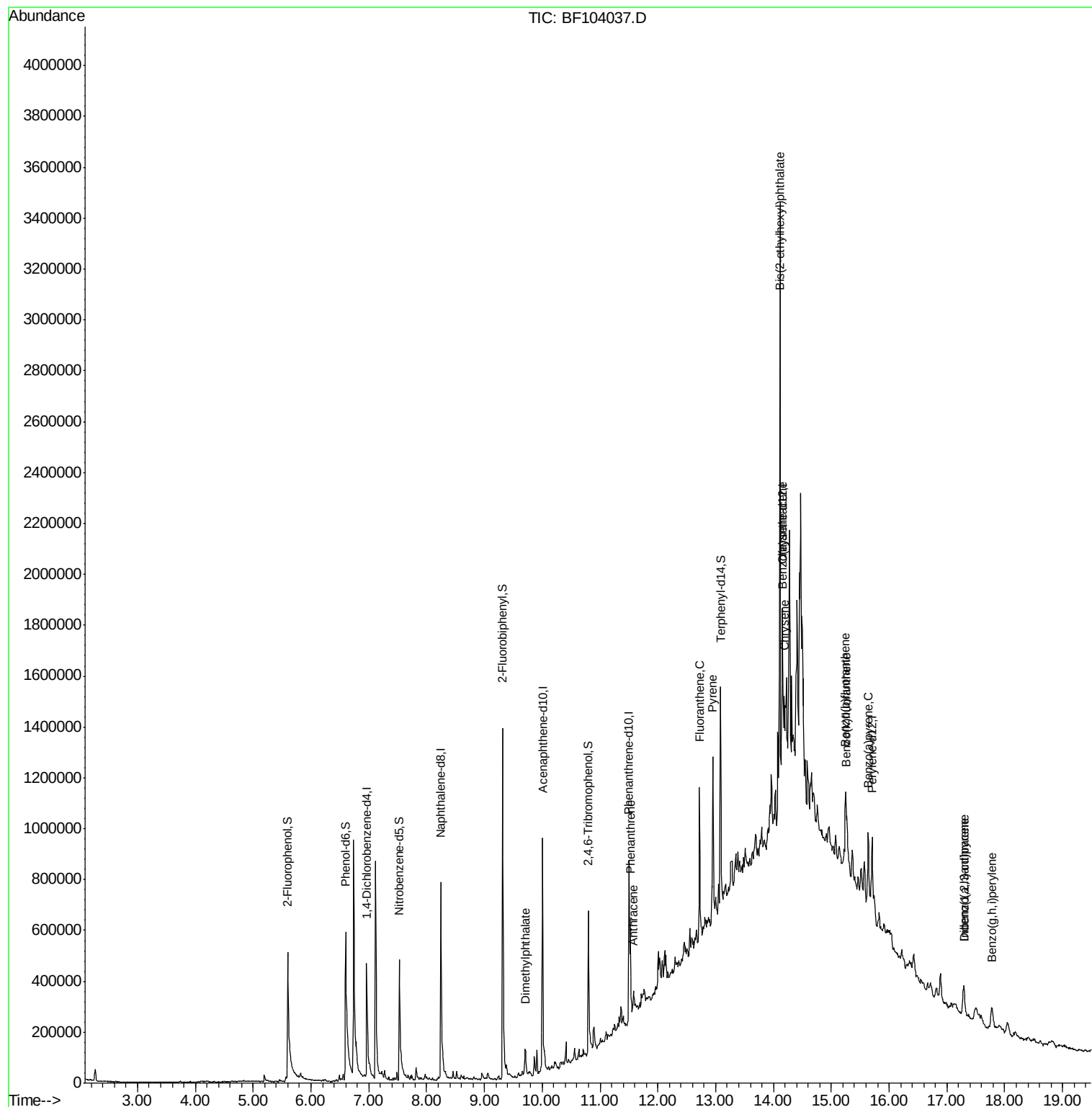
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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ALS Vial : 30 Sample Multiplier: 1

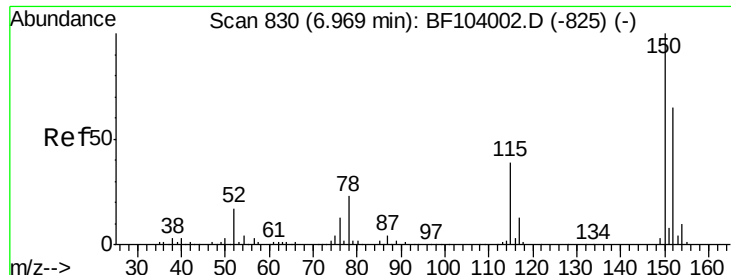
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#1

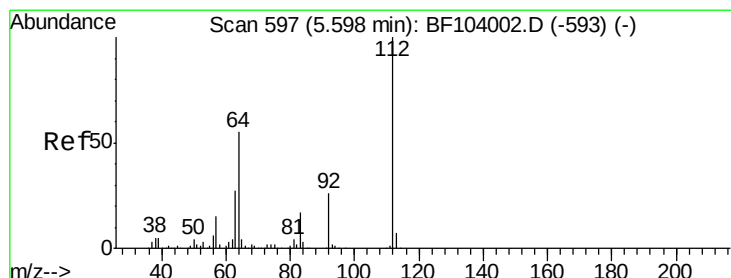
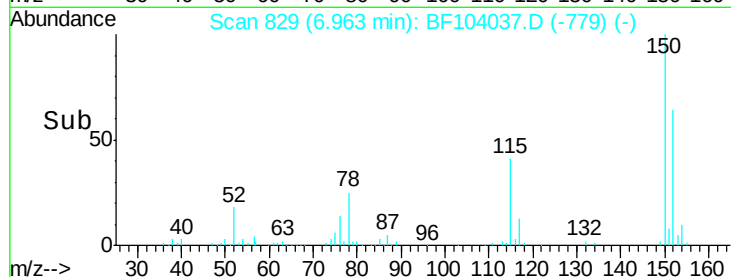
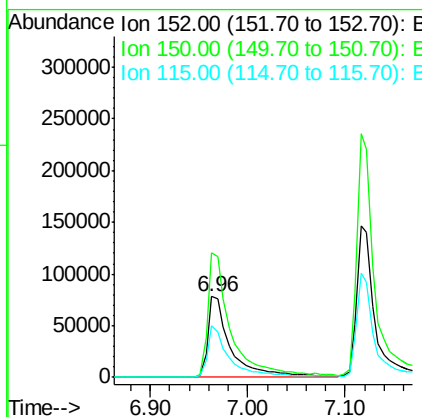
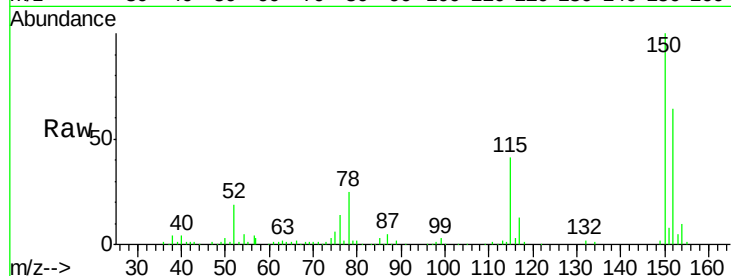
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	63.6	50.1	75.1

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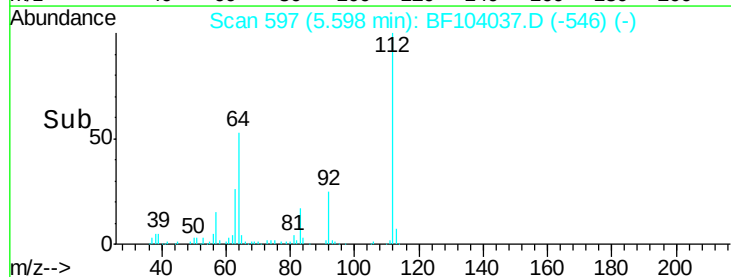
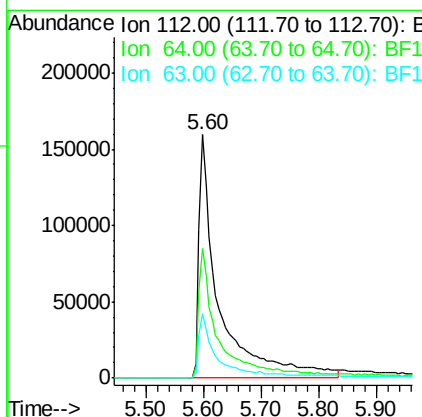
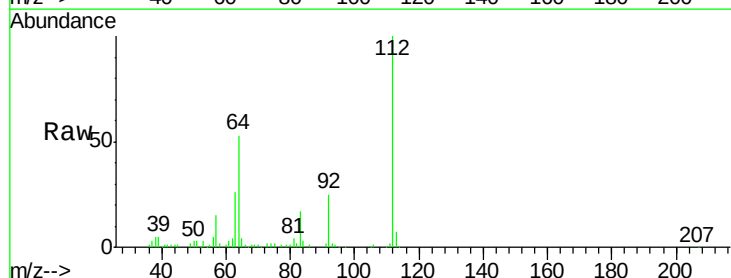
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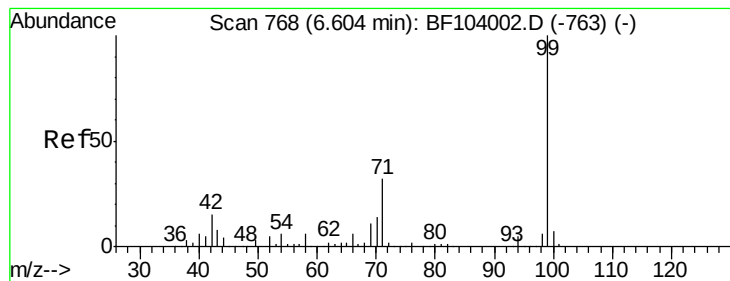


#5

2-Fluorophenol
Concen: 47.922 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	26.2	23.7	35.5





#7

Phenol-d6

Concen: 52.510 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104037.D

Acq: 29 Mar 2018 6:52

Instrument :

BNA_F

ClientSampleId :

TP-1-MH-D-DDL

Tot Ion: 99 Resp: 524507

Ion Ratio Lower Upper

99 100

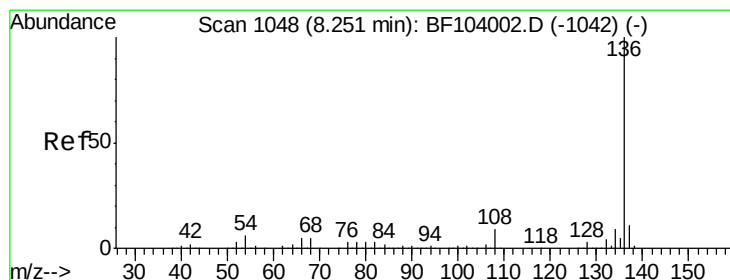
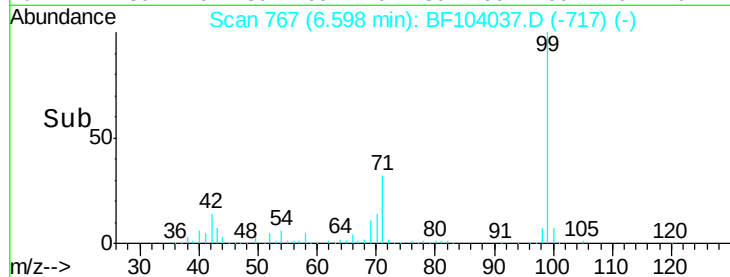
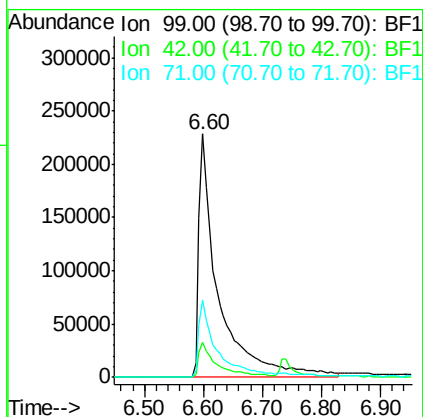
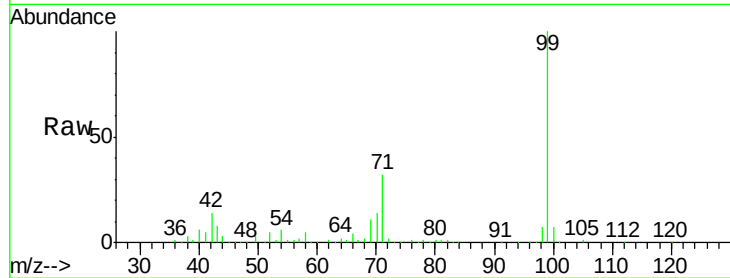
42 14.5 14.5 21.7#

71 31.6 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104037.D

Acq: 29 Mar 2018 6:52

Tgt Ion: 136 Resp: 531626

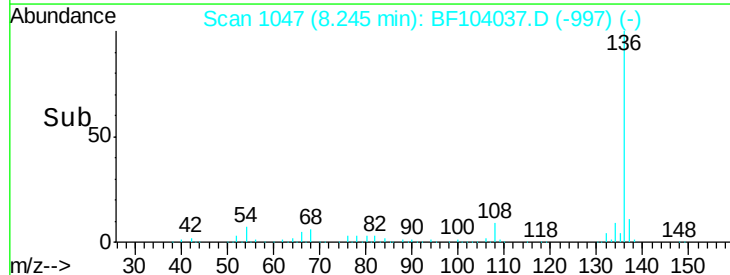
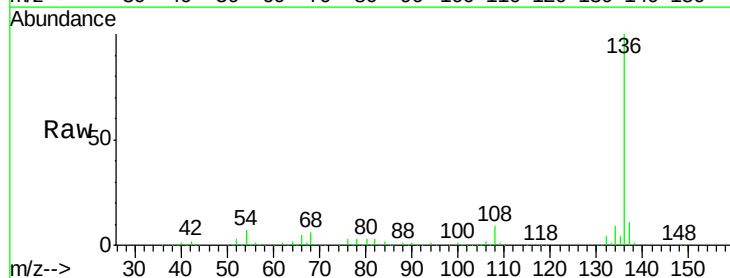
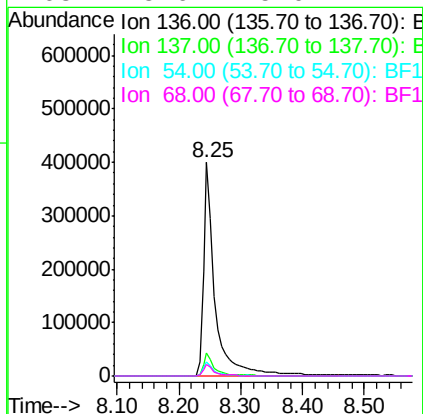
Ion Ratio Lower Upper

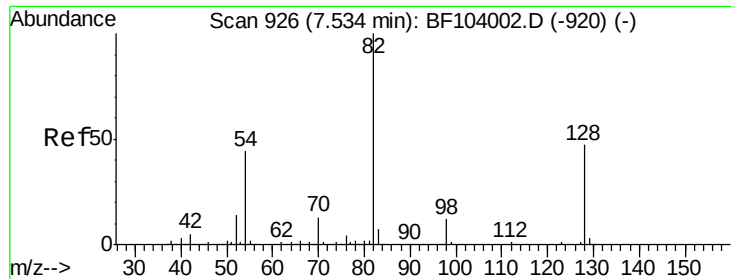
136 100

137 10.7 8.9 13.3

54 6.5 6.6 9.8#

68 5.6 5.0 7.4





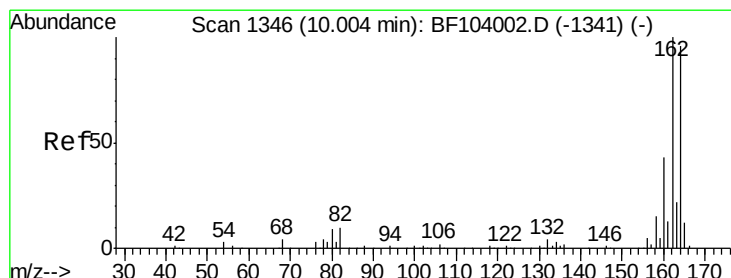
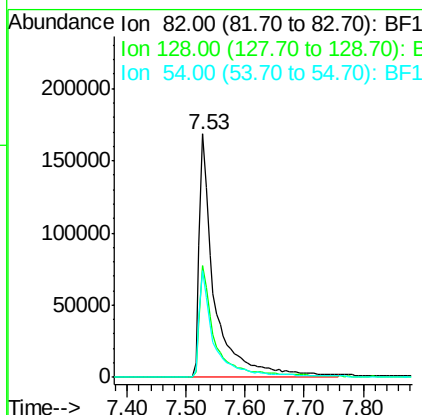
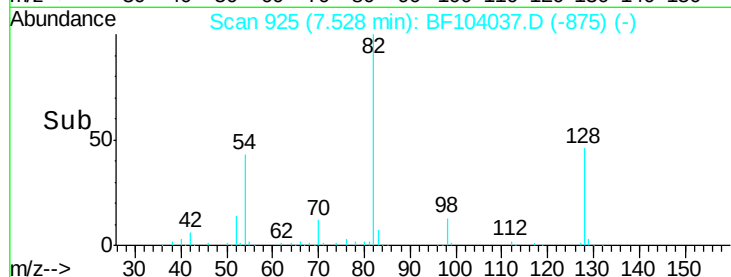
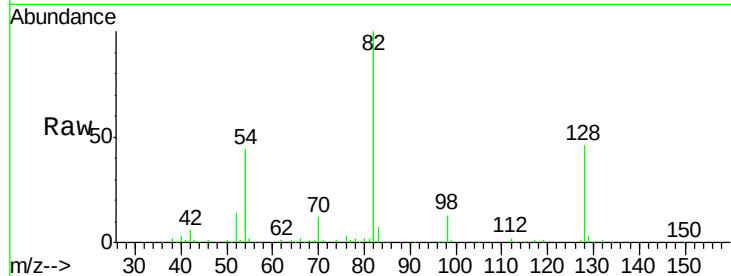
#23
 Nitrobenzene-d5
 Concen: 35.326 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104037.D
 Acq: 29 Mar 2018 6:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-DDL

Tot Ion	82	Resp	307093
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	43.7	41.4	62.2

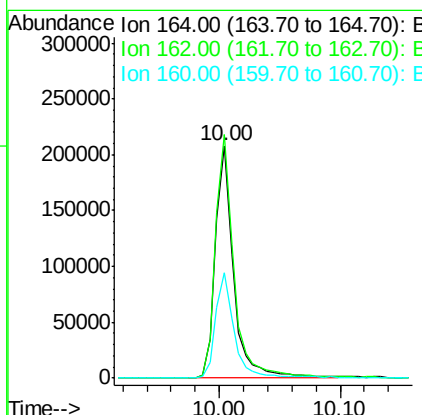
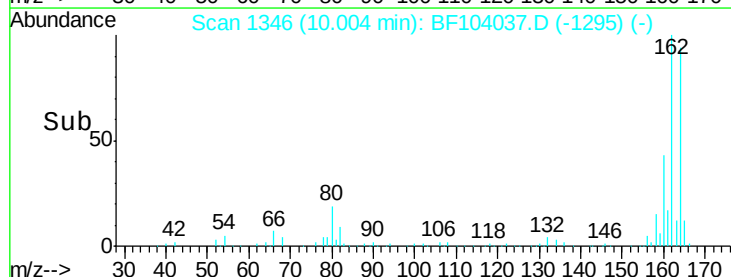
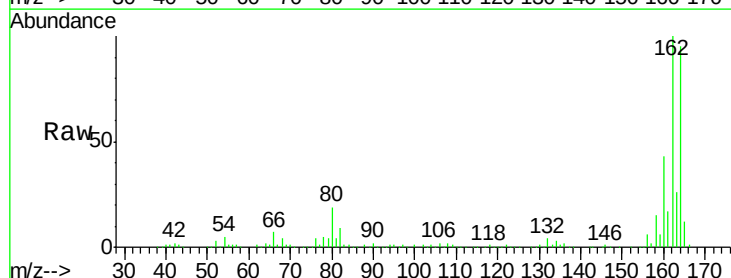
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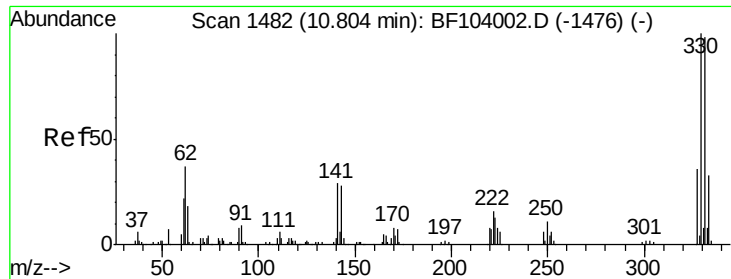
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104037.D
 Acq: 29 Mar 2018 6:52

Tgt Ion	164	Resp	216883
Ion Ratio	Lower	Upper	
164	100		
162	104.9	86.1	129.1
160	45.2	38.3	57.5





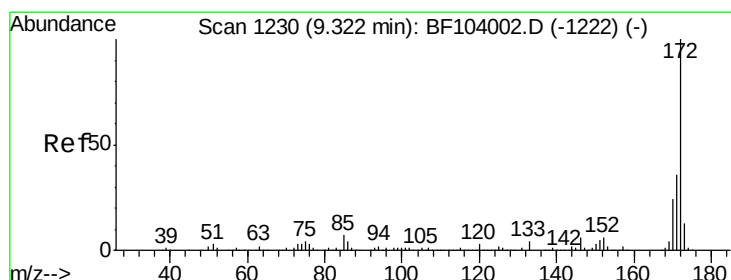
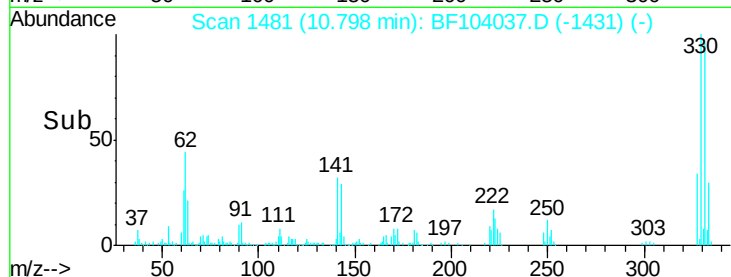
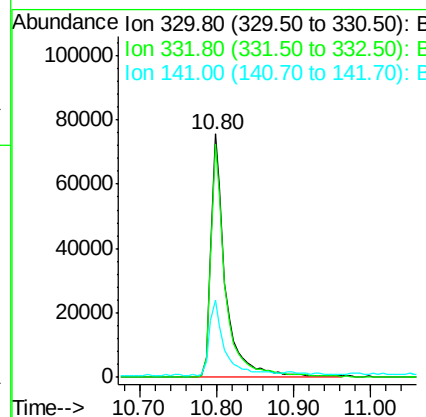
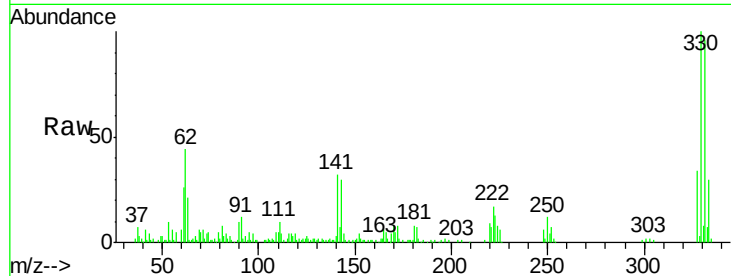
#41
 2,4,6-Tribromophenol
 Concen: 41.219 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104037.D
 Acq: 29 Mar 2018 6:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	31.1	29.9	44.9

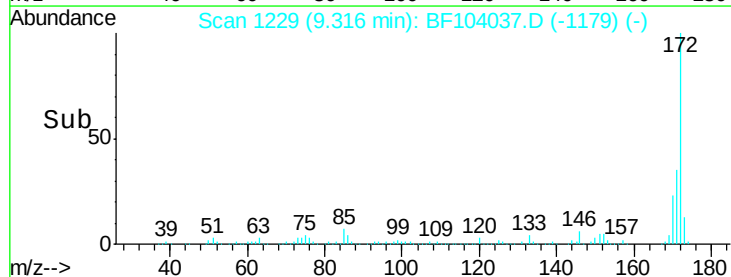
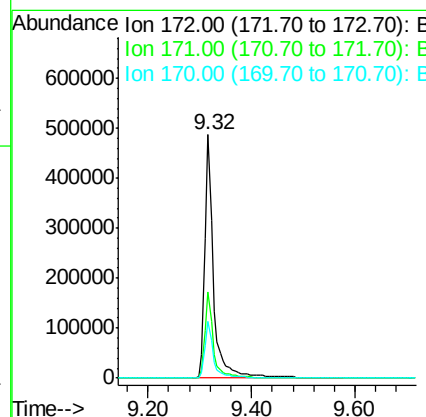
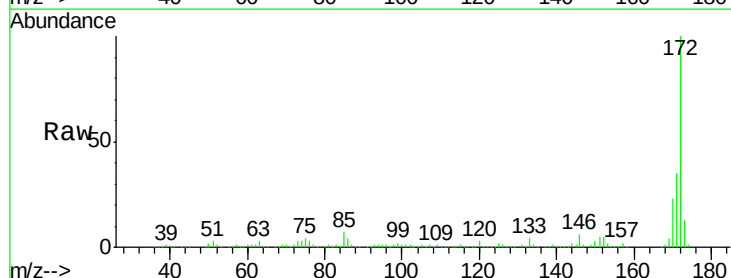
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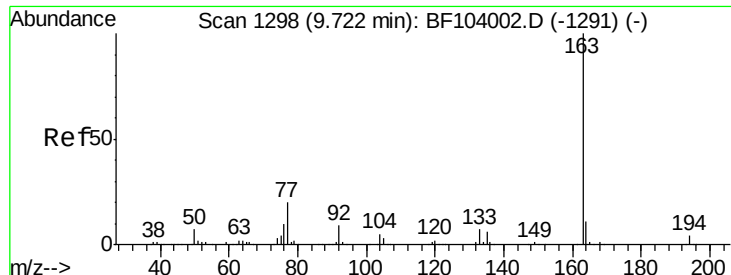
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#44
 2-Fluorobiphenyl
 Concen: 41.415 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104037.D
 Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4





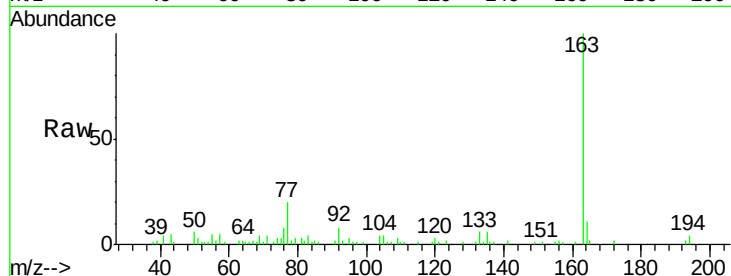
#49
Dimethylphthalate
Concen: 3.181 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

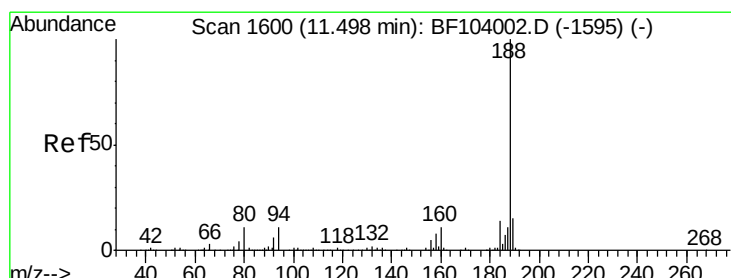
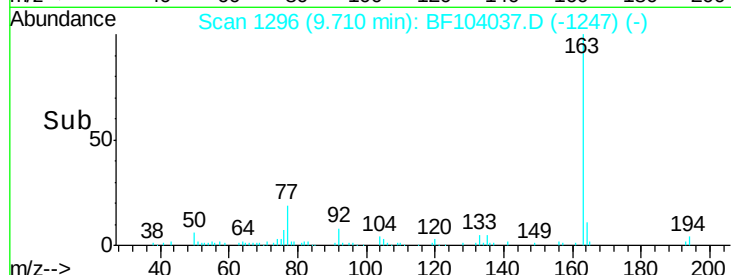
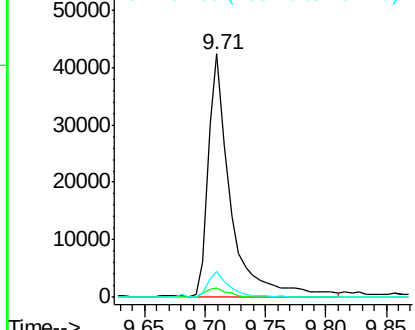
Tot Ion:	163	Resp:	54476
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.6	8.2	12.2

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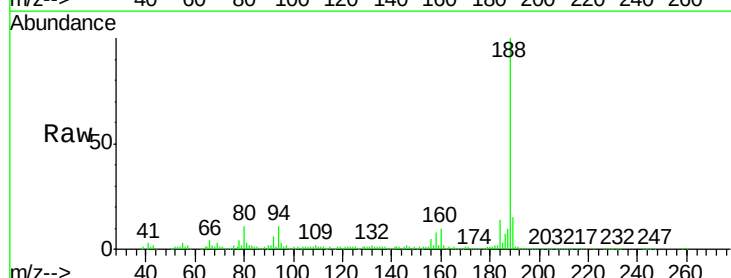


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

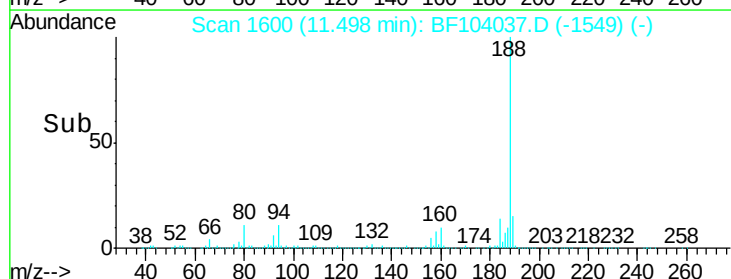
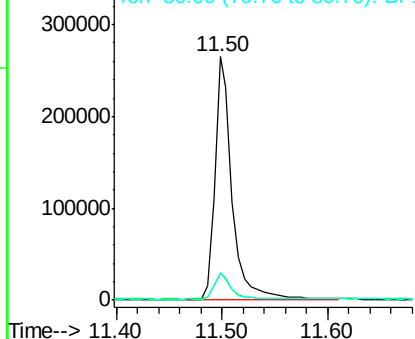


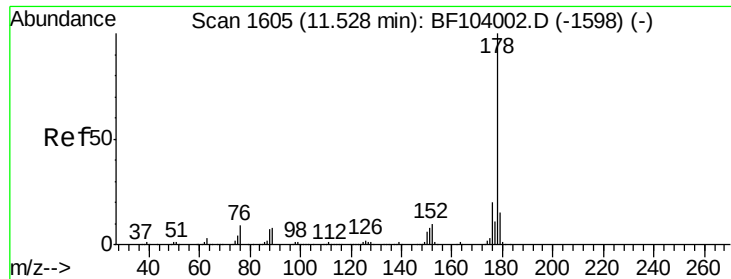
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion:	188	Resp:	307907
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	11.4	9.2	13.8



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





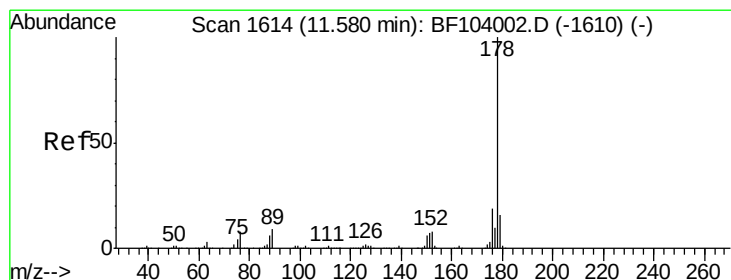
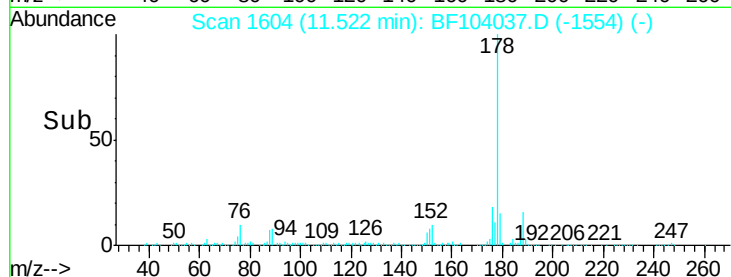
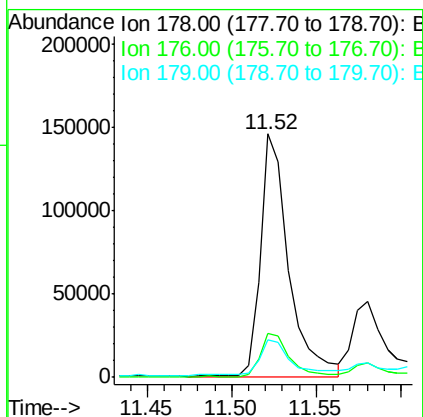
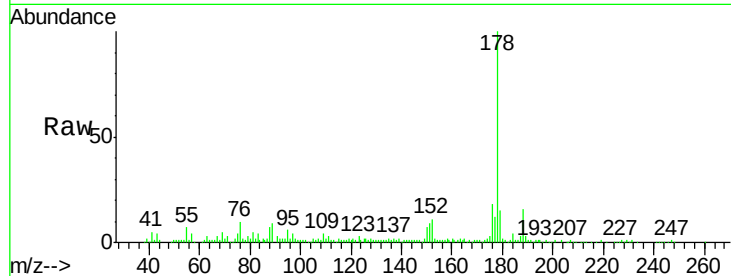
#70
Phenanthrene
Concen: 10.080 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.4	13.0	19.6

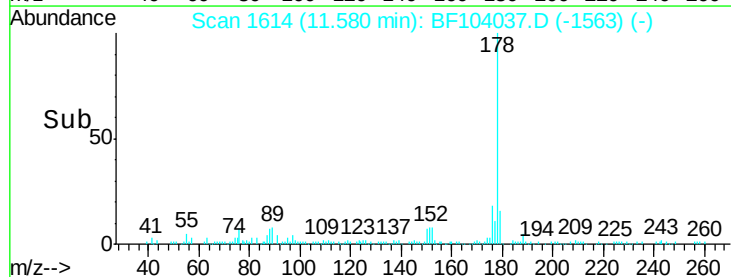
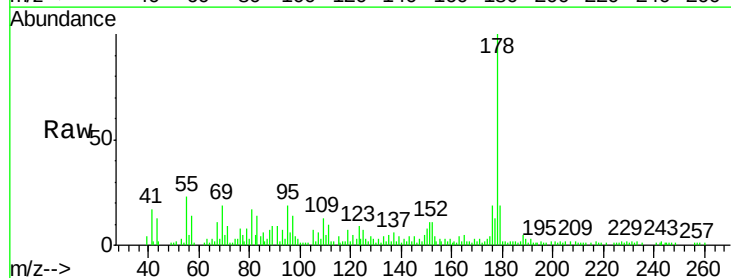
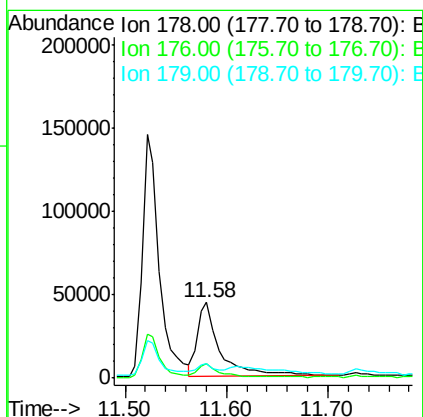
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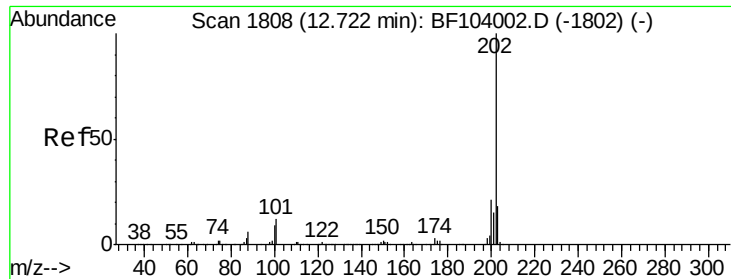
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#71
Anthracene
Concen: 3.963 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	18.8	12.6	19.0





#74

Fluoranthene

Concen: 17.082 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104037.D

Acq: 29 Mar 2018 6:52

Instrument :

BNA_F

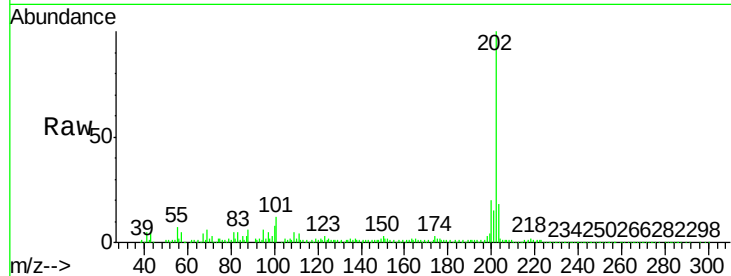
ClientSampleId :

TP-1-MH-D-DDL

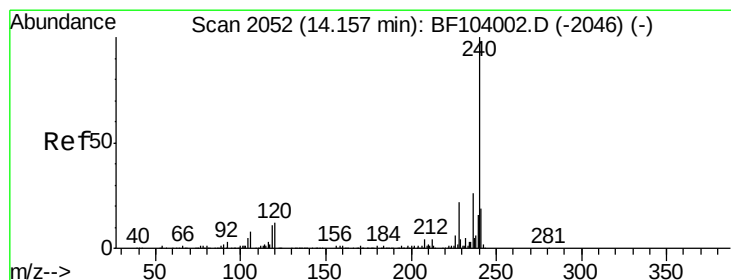
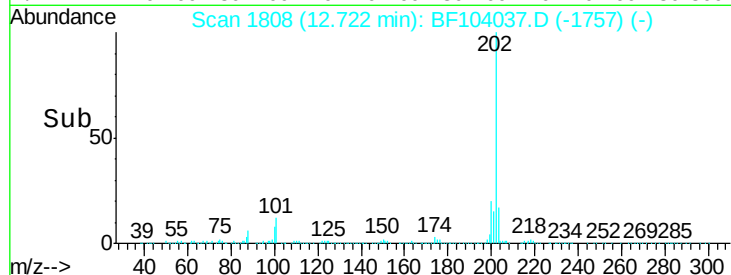
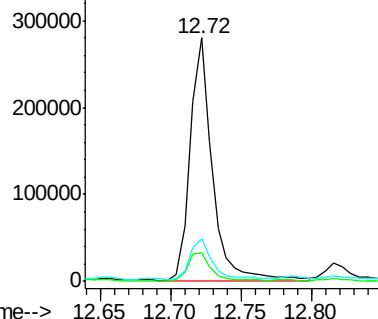
Tot Ion	Ratio	Resp	Lower	Upper
202	100	302690		
101	11.8	0.0	34.1	
203	17.6	0.0	38.1	

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



#75

Chrysene-d12

Concen: 20.000 ng

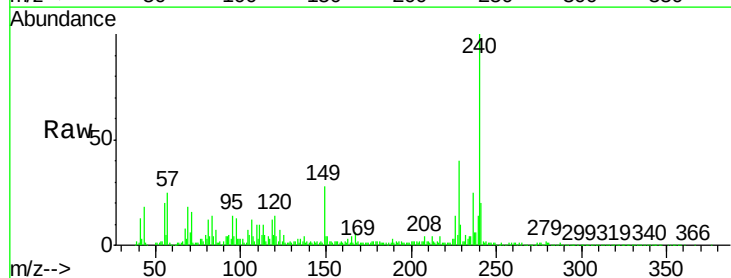
RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

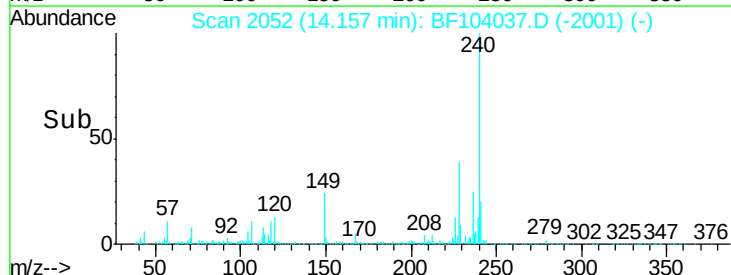
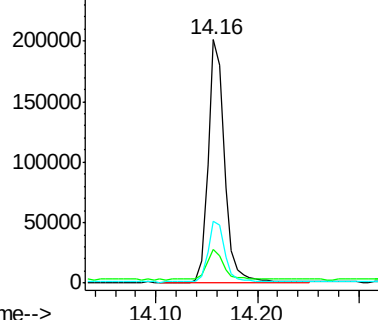
Lab File: BF104037.D

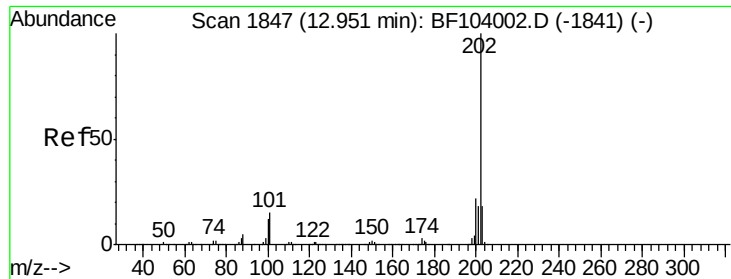
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	224576		
120	14.1	9.5	14.3	
236	25.4	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.552 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104037.D

Acq: 29 Mar 2018 6:52

Instrument :

BNA_F

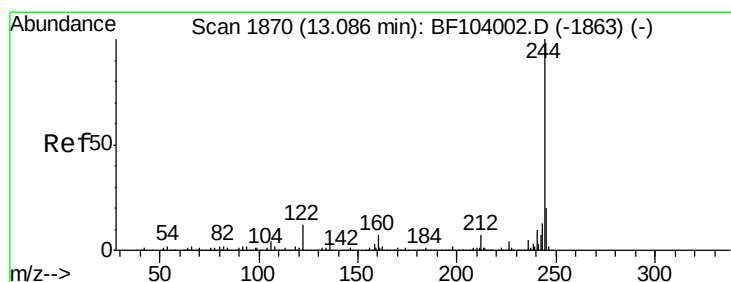
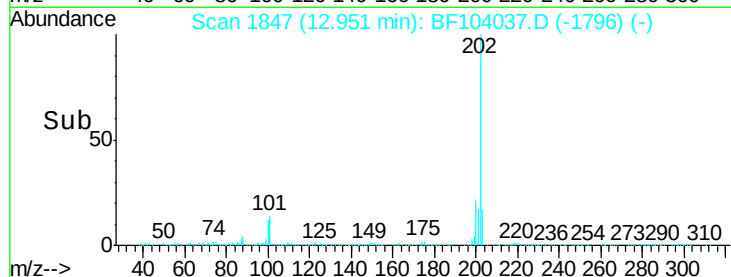
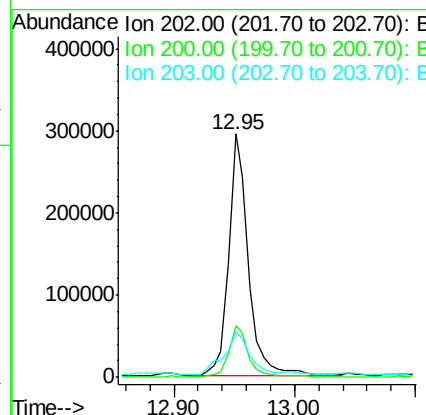
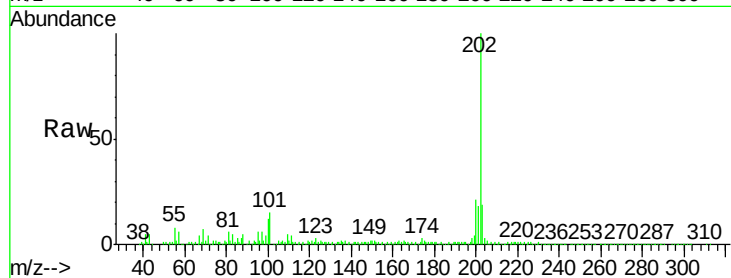
ClientSampleId :

TP-1-MH-D-DDL

Tot Ion:	202	Resp:	331781
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 36.134 ng

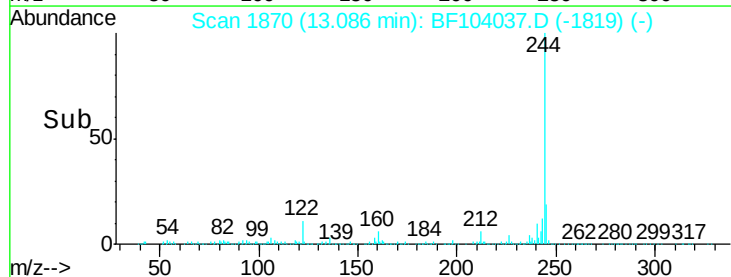
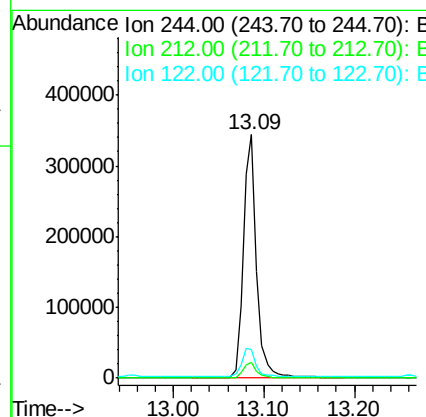
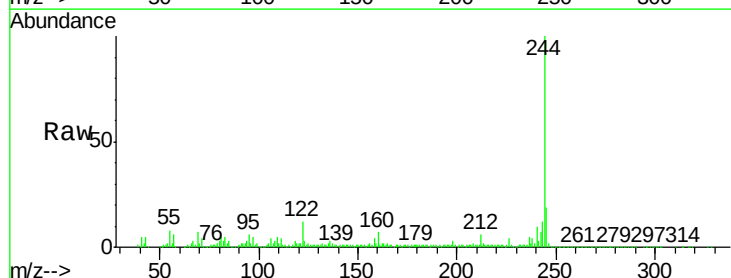
RT: 13.09 min Scan# 1870

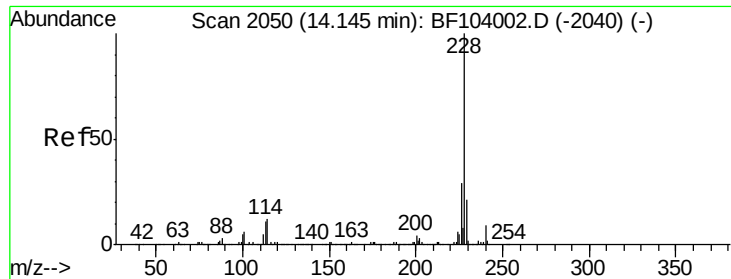
Delta R.T. -0.00 min

Lab File: BF104037.D

Acq: 29 Mar 2018 6:52

Tgt Ion:	244	Resp:	351453
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.5	11.0	16.4





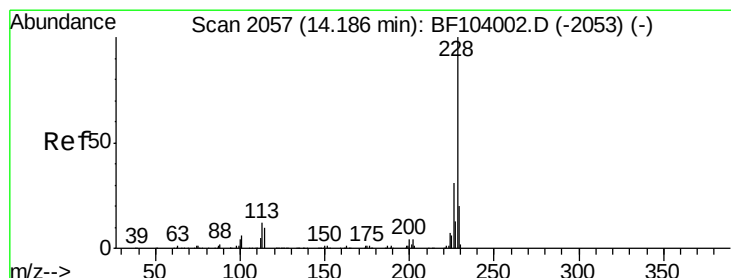
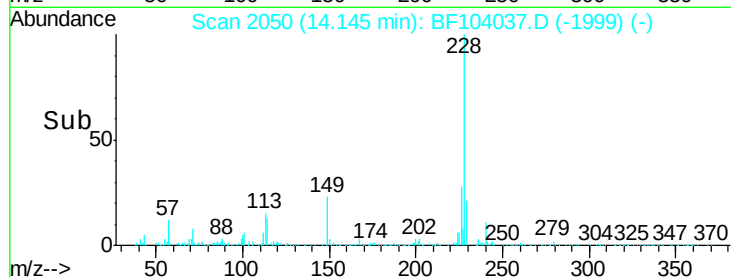
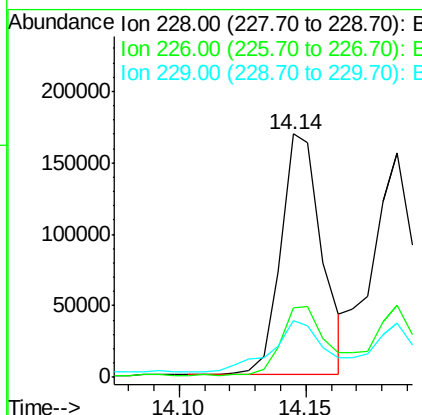
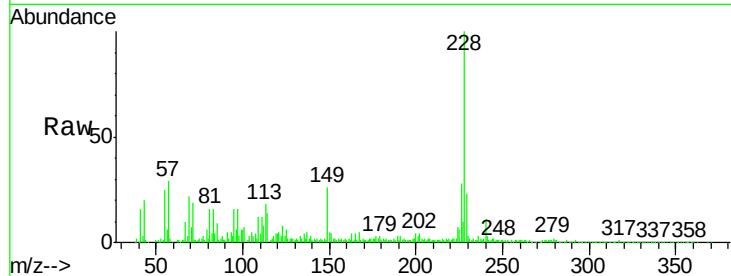
#80
Benzo(a)anthracene
Concen: 13.569 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	190675		
226	28.4		22.6	33.8
229	23.1		15.8	23.6

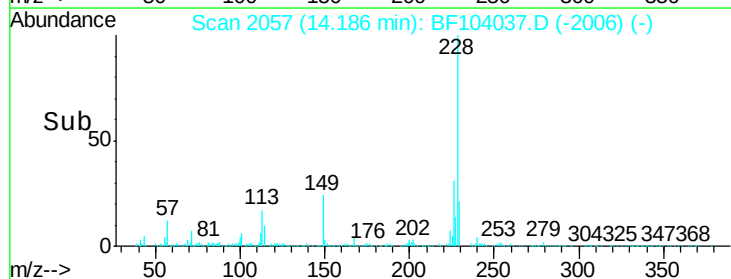
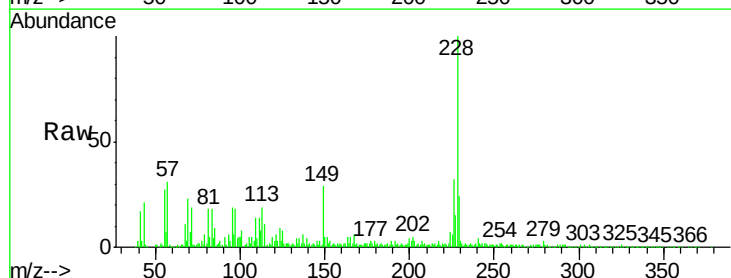
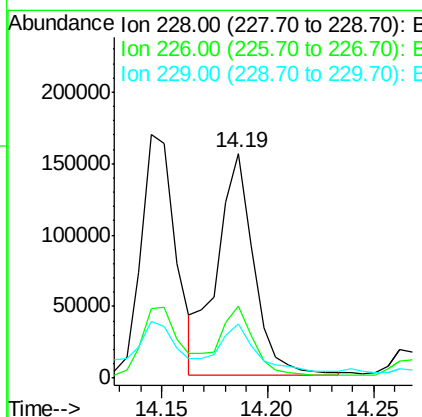
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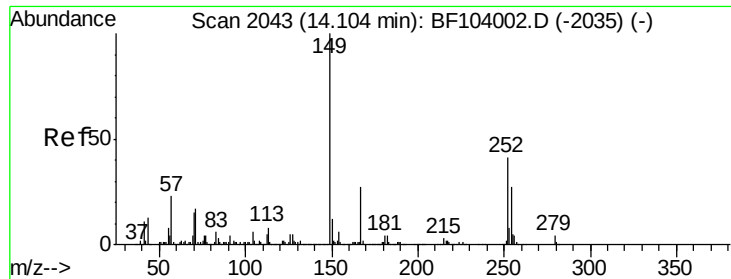
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#82
Chrysene
Concen: 13.672 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	188176		
226	31.8		25.0	37.6
229	24.0		16.2	24.4





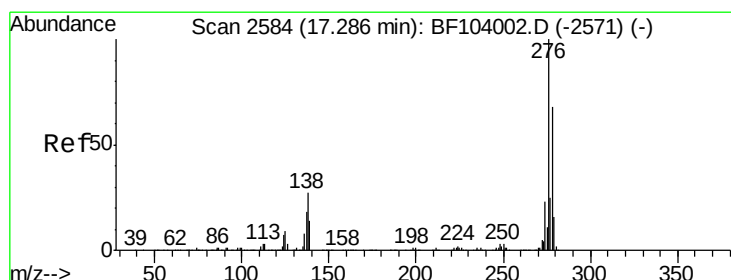
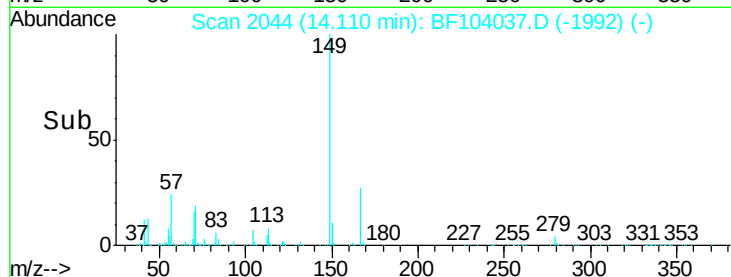
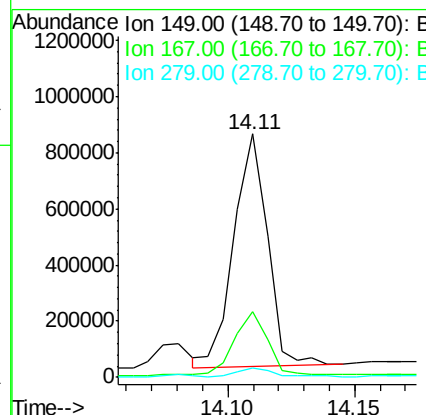
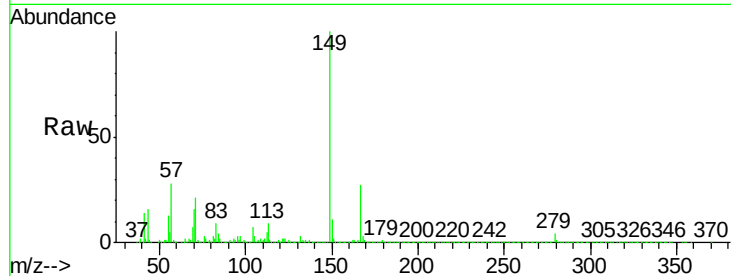
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 78.106 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. 0.01 min
 Lab File: BF104037.D
 Acq: 29 Mar 2018 6:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	3.8	3.0	4.4

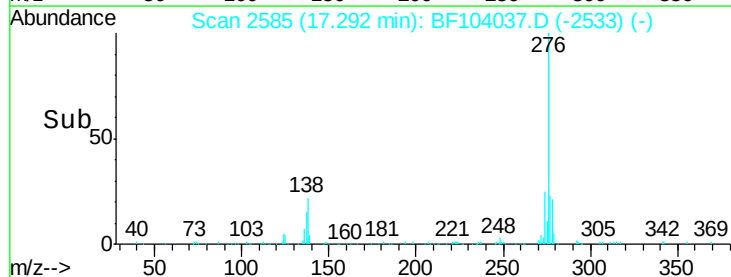
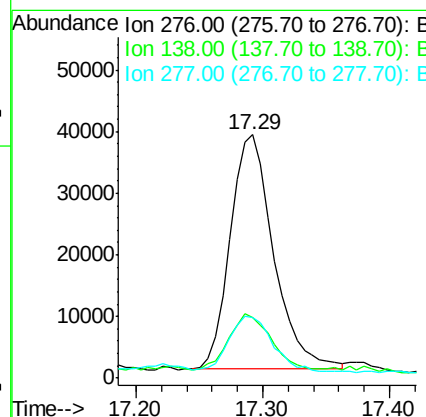
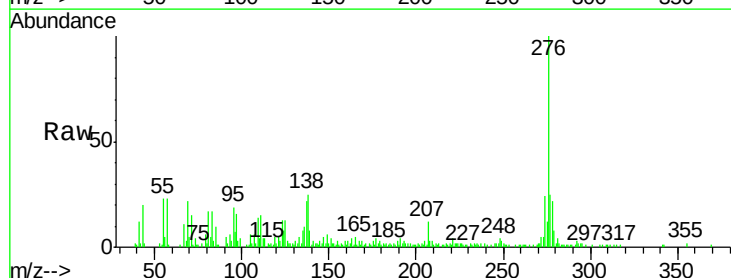
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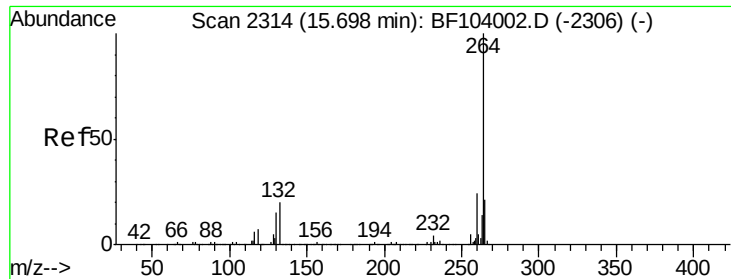
Sohil
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.284 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BF104037.D
 Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.0	37.6#
277	24.2	20.1	30.1





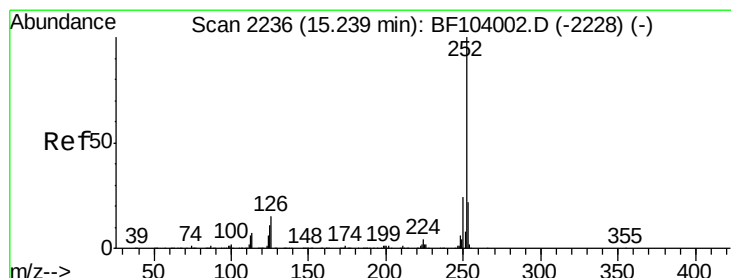
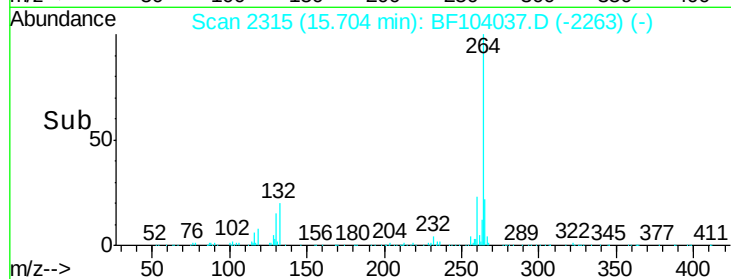
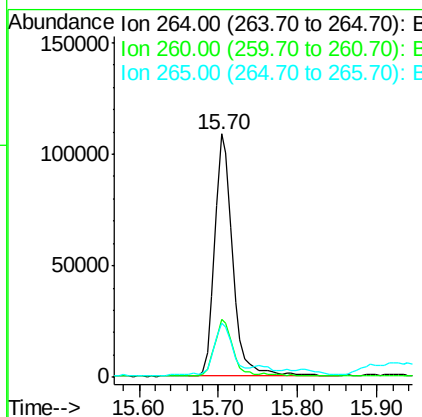
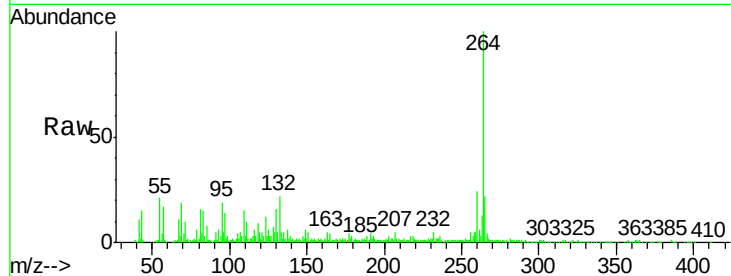
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	17.5	26.3

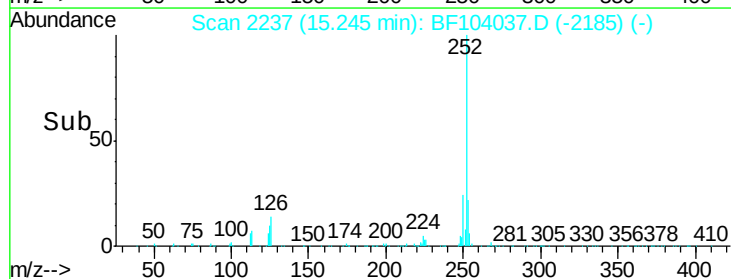
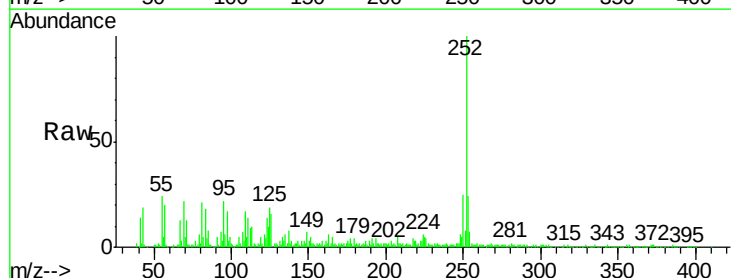
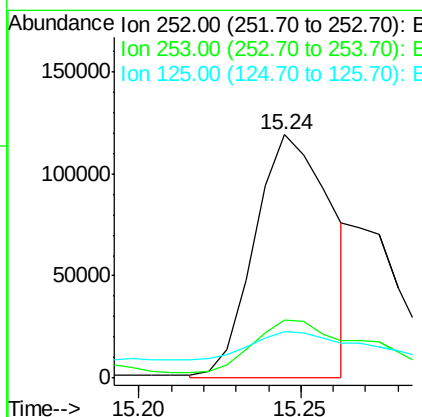
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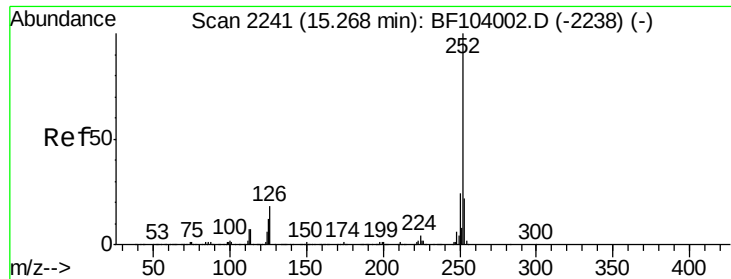
Sohil
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#87
Benzo(b)fluoranthene
Concen: 18.837 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	18.9	9.0	13.6#





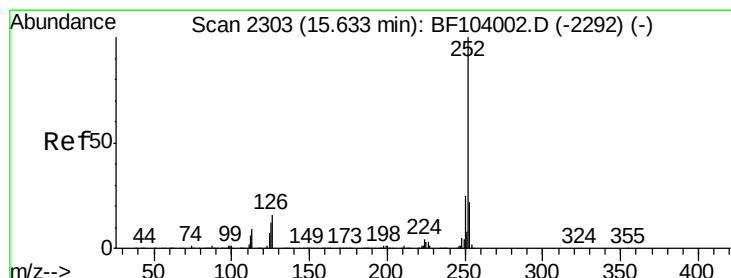
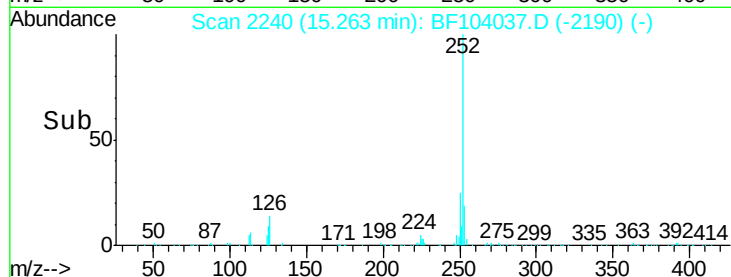
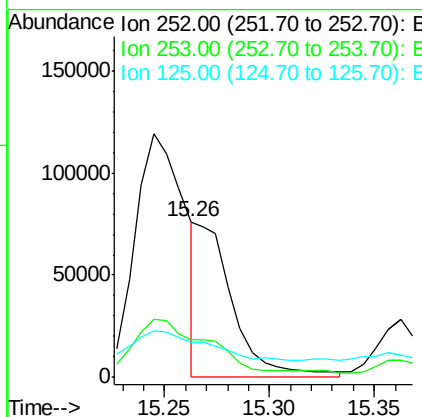
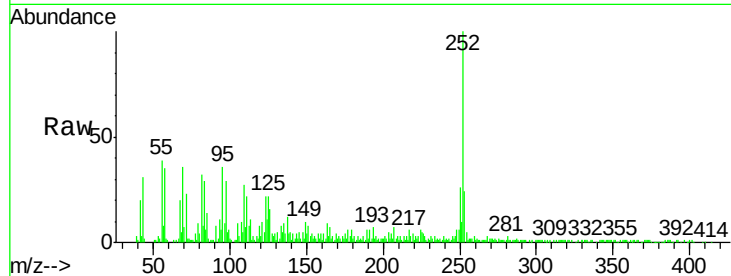
#88
Benzo(k)fluoranthene
Concen: 9.063 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	22.4	10.2	15.2

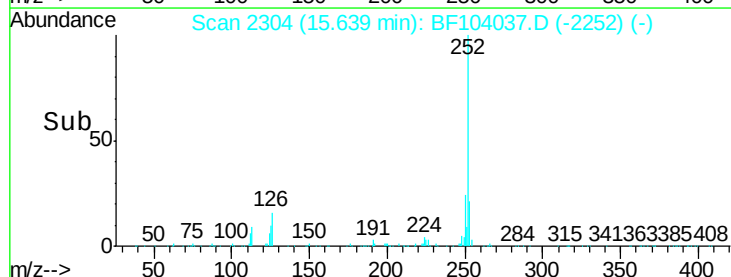
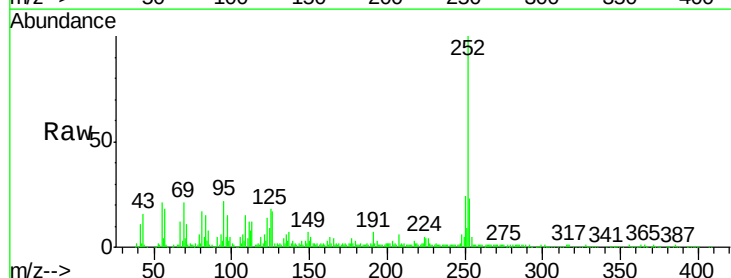
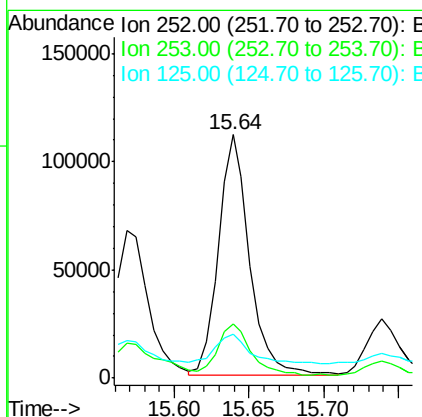
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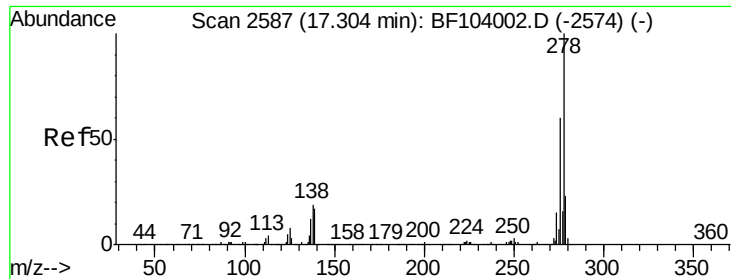
Sohil
3/29/2018 5:36:57 PM



#89
Benzo(a)pyrene
Concen: 16.816 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	17.9	9.8	14.6





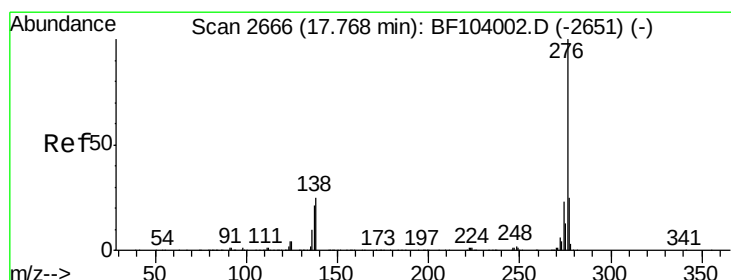
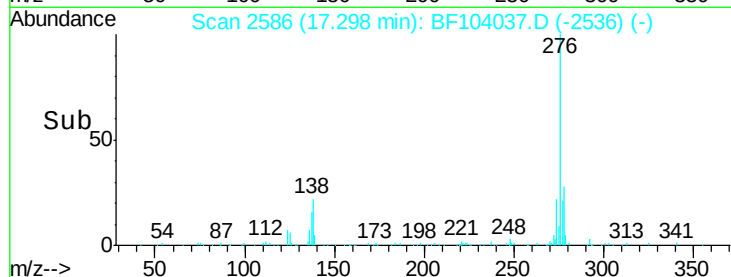
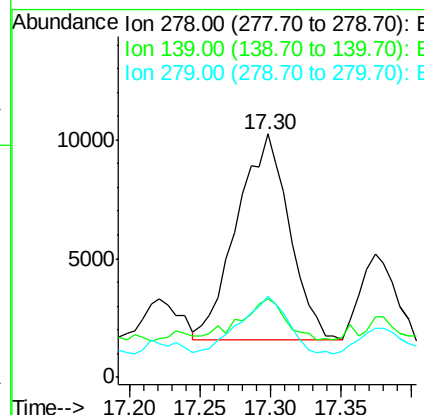
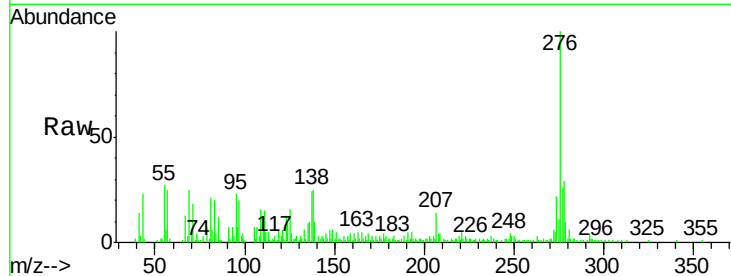
#90
Dibenzo(a,h)anthracene
Concen: 2.520 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-DDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.4	15.9	23.9#
279	33.4	19.0	28.4#

Manual Integrations
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3/29/2018 5:36:57 PM



#91
Benzo(g,h,i)perylene
Concen: 10.403 ng
RT: 17.77 min Scan# 2667
Delta R.T. 0.01 min
Lab File: BF104037.D
Acq: 29 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	25.5	21.8	32.8

