

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103506.D
 Acq On : 7 Mar 2018 17:33
 Operator : SJ/JU
 Sample : J1811-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Sohil
 3/8/2018 4:44:59 PM

Quant Time: Mar 08 03:53:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	157031	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	639078	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	262313	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	382868	20.00	ng	0.00
75) Chrysene-d12	14.06	240	233013	20.00	ng	0.00
86) Perylene-d12	15.56	264	201626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	828668	79.81	ng	0.00
7) Phenol-d6	6.50	99	1054482	83.00	ng	0.00
23) Nitrobenzene-d5	7.43	82	776883	69.42	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	140600	63.32	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1050035	65.17	ng	0.00
78) Terphenyl-d14	12.98	244	616120	63.56	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	90450	4.298	ng	98
70) Phenanthrene	11.42	178	90252	4.283	ng	99
74) Fluoranthene	12.62	202	73970	3.494	ng	99
77) Pyrene	12.85	202	96784	5.327	ng	98
80) Benzo(a)anthracene	14.04	228	38082	2.519	ng	97
82) Chrysene	14.08	228	44041m	3.000	ng	
87) Benzo(b)fluoranthene	15.12	252	41667m	3.143	ng	
89) Benzo(a)pyrene	15.50	252	29468	2.489	ng	# 88
91) Benzo(g,h,i)perylene	17.57	276	18008	2.014	ng	# 74

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

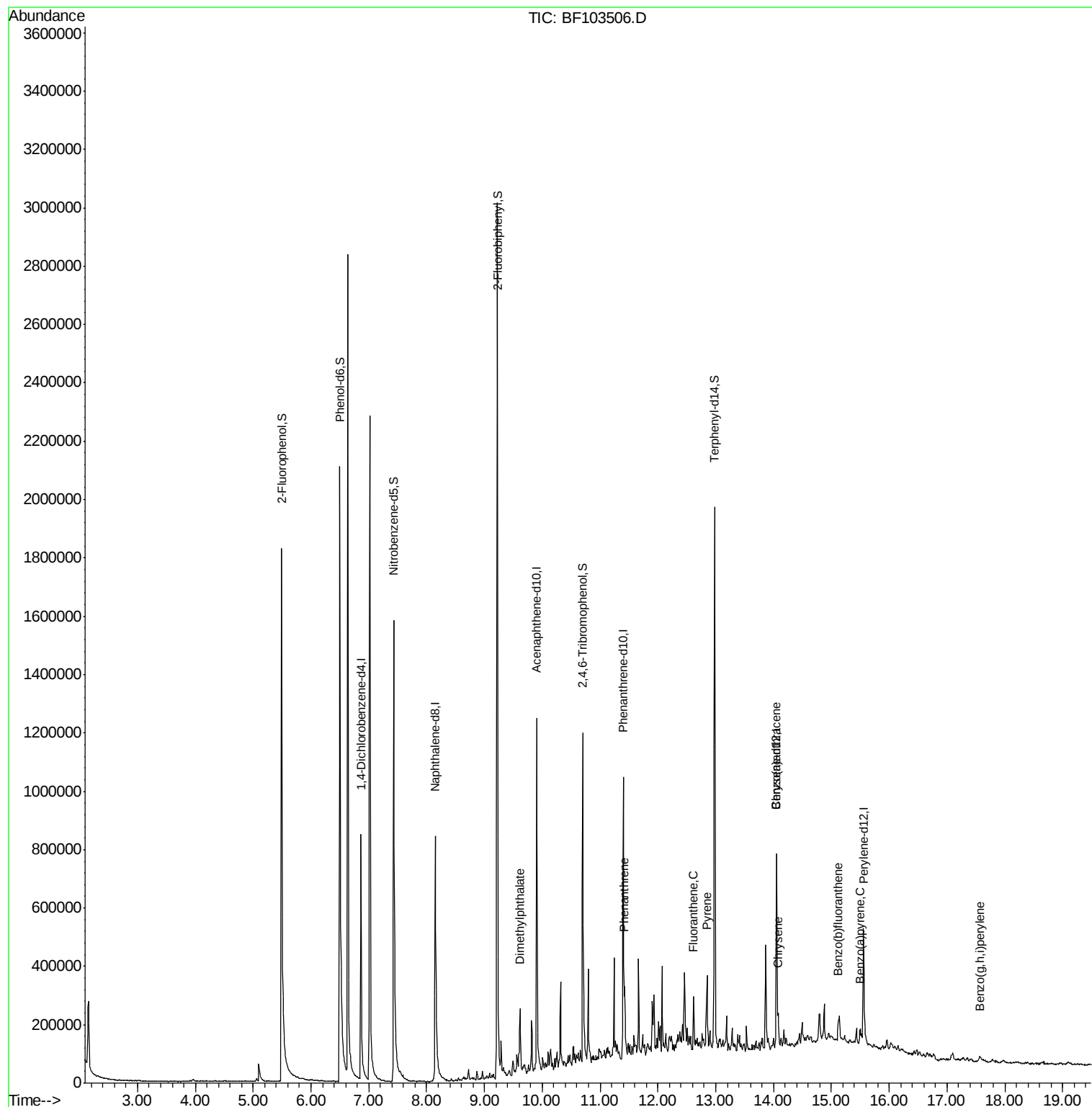
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
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#1

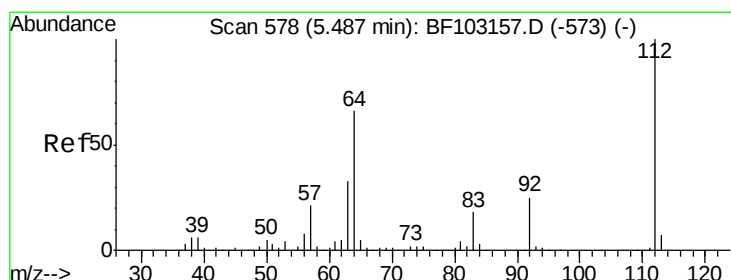
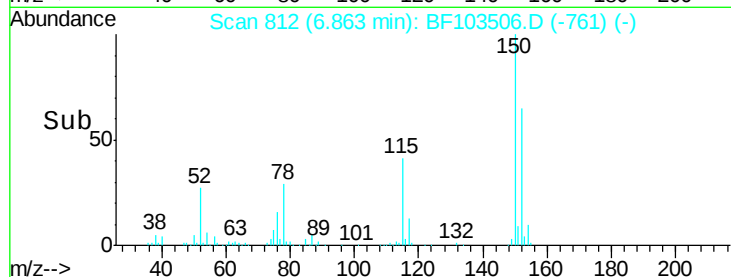
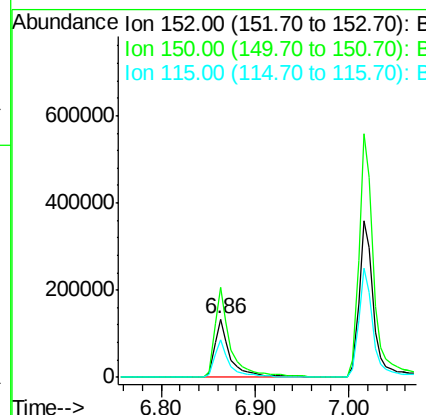
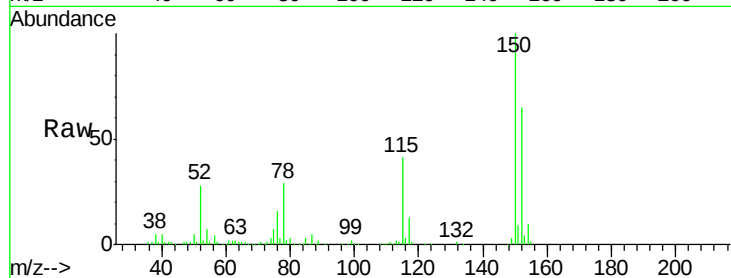
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	63.9	50.1	75.1

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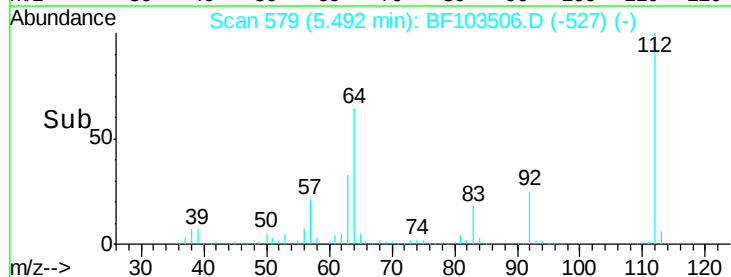
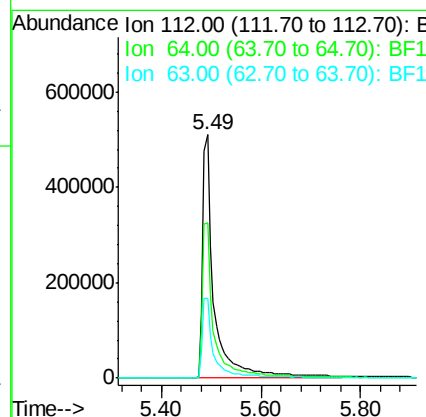
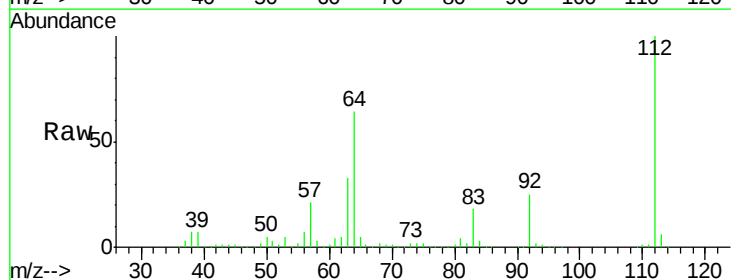
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#5

2-Fluorophenol
Concen: 79.812 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 82.999 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

ClientSampled :

COMP-2

Tot Ion: 99 Resp: 1054482

Ion Ratio Lower Upper

99 100

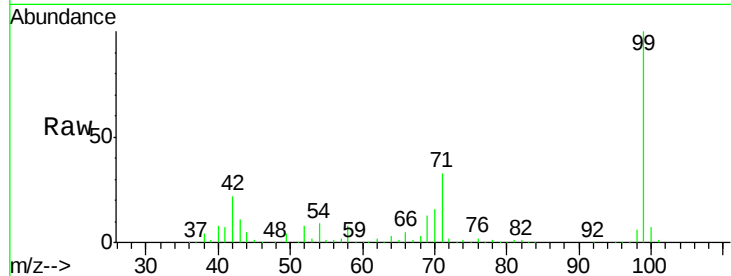
42 21.6 14.5 21.7

71 33.0 25.4 38.0

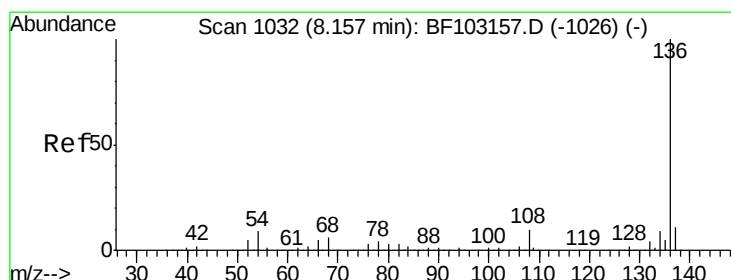
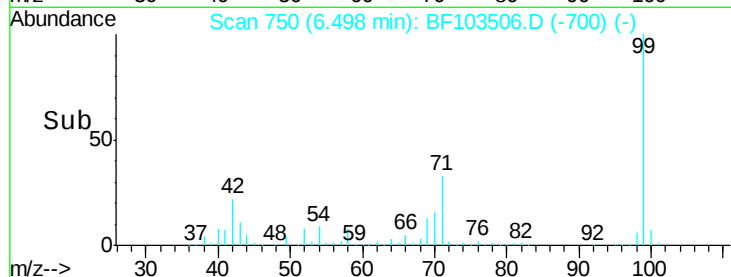
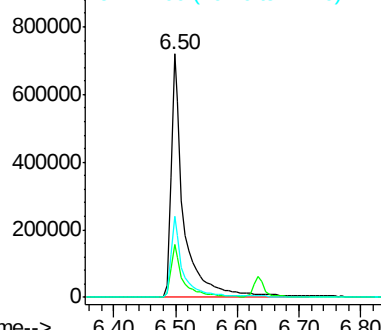
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Tgt Ion: 136 Resp: 639078

Ion Ratio Lower Upper

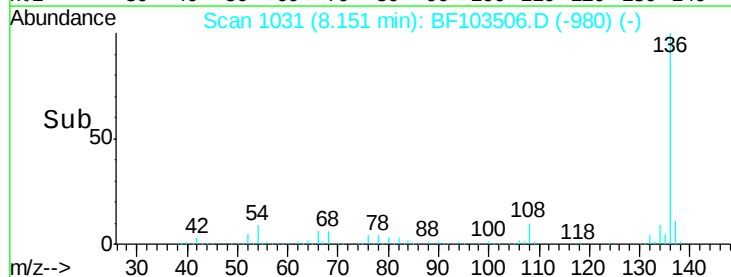
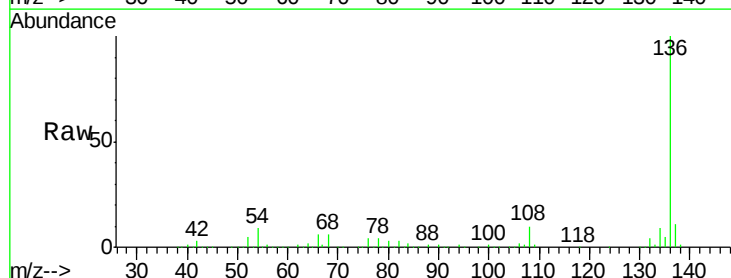
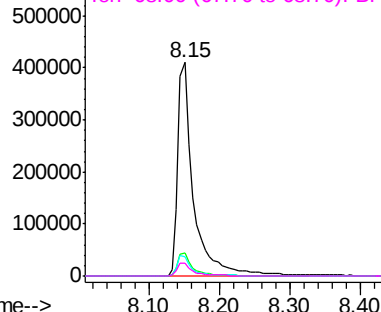
136 100

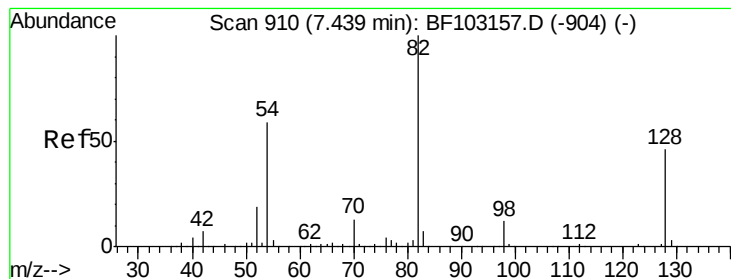
137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 6.1 5.0 7.4

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





#23

Nitrobenzene-d5

Concen: 69.423 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

ClientSampled :

COMP-2

Tot Ion: 82 Resp: 776883

Ion Ratio Lower Upper

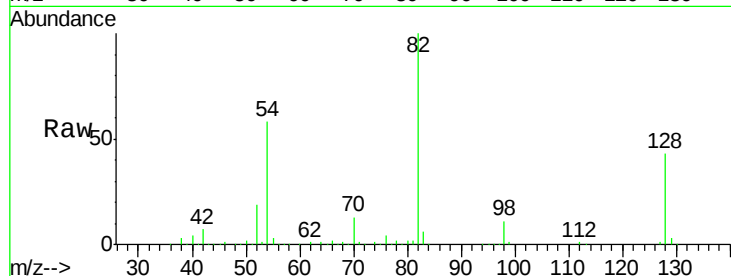
82 100

128 43.4 36.1 54.1

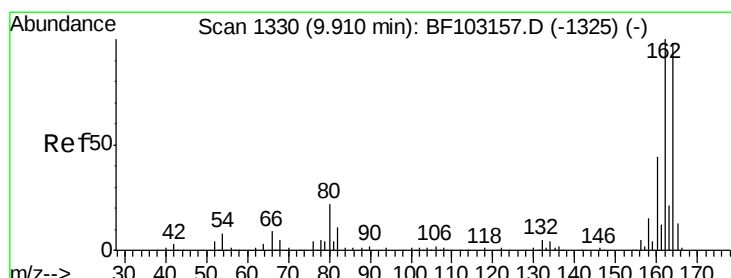
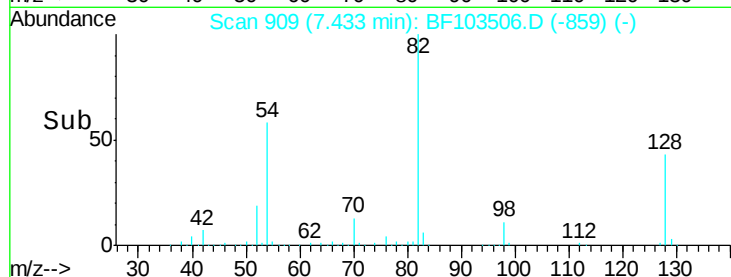
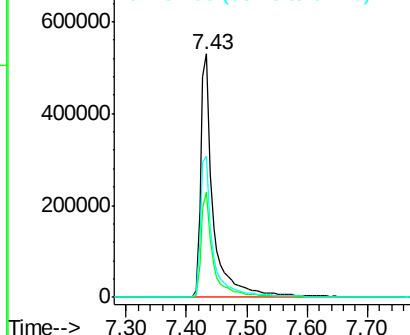
54 57.8 41.4 62.2

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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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

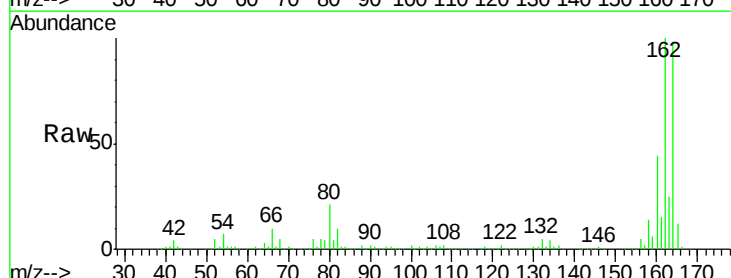
Tgt Ion: 164 Resp: 262313

Ion Ratio Lower Upper

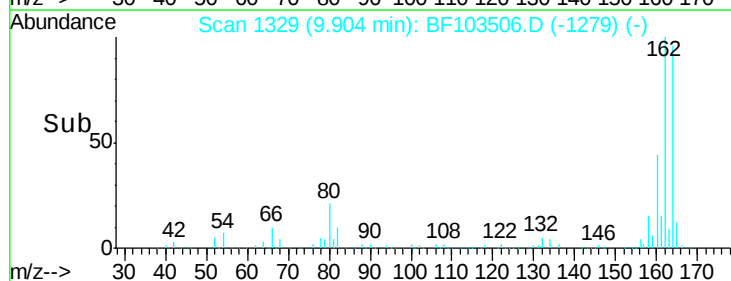
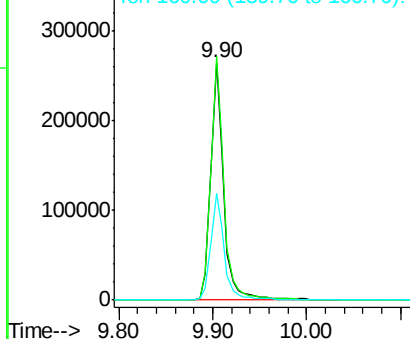
164 100

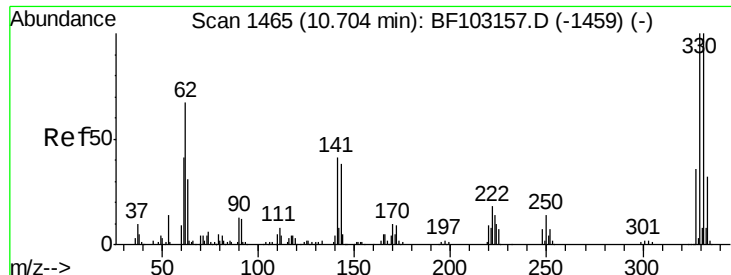
162 102.4 86.1 129.1

160 45.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





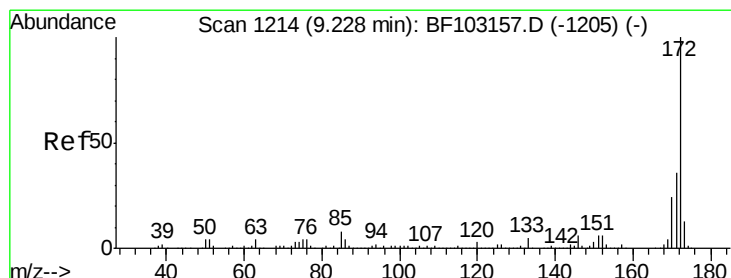
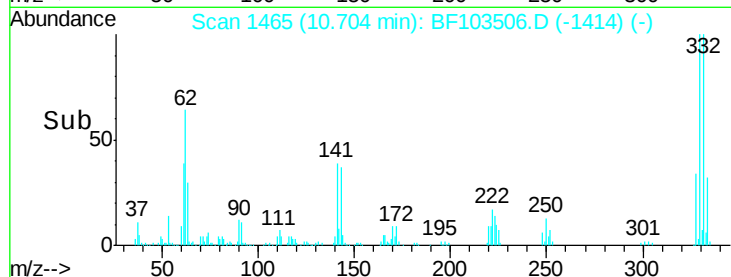
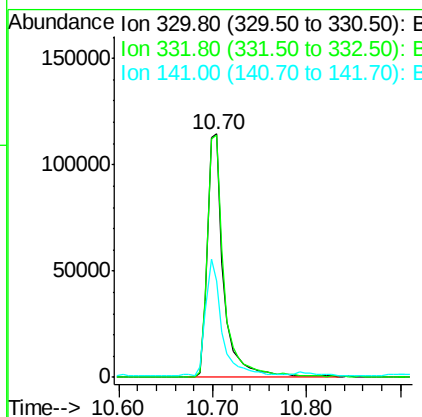
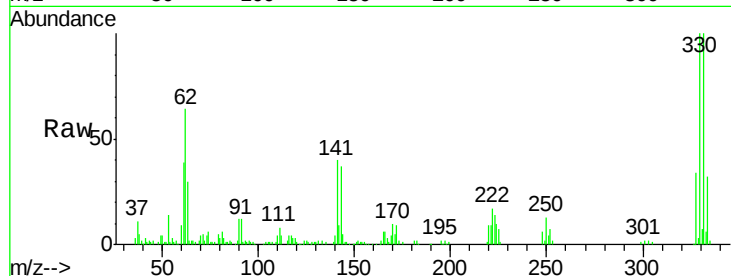
#41
 2,4,6-Tribromophenol
 Concen: 63.324 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.0	115.6
141	47.8	29.9	44.9

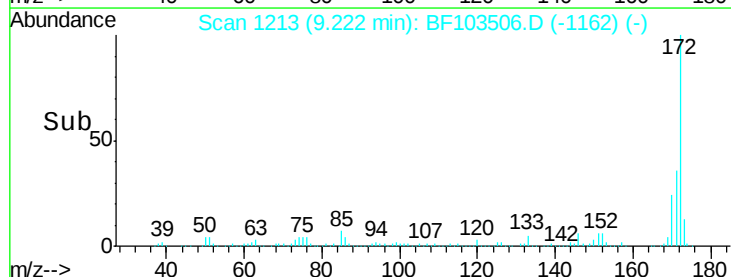
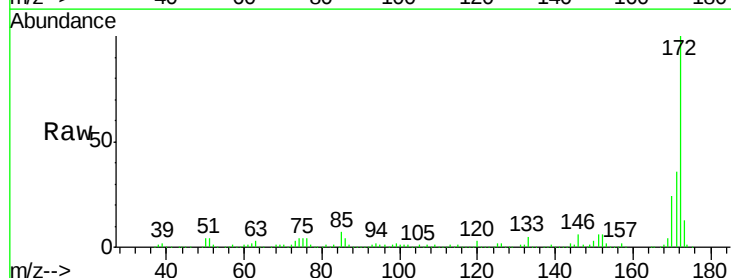
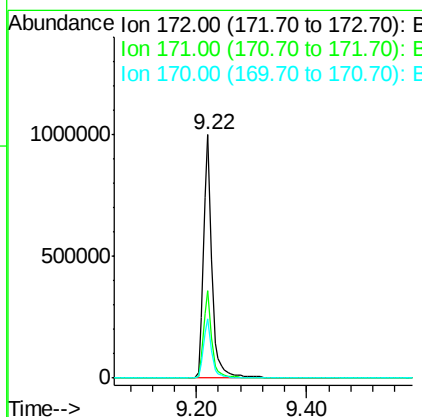
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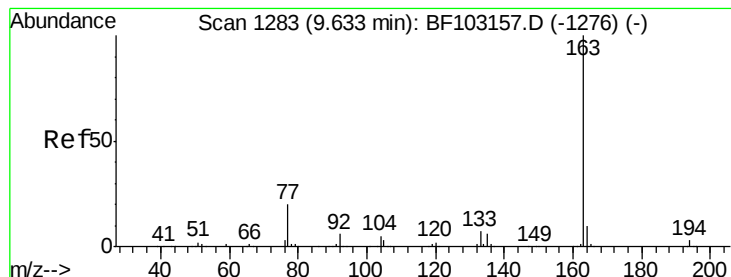
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#44
 2-Fluorobiphenyl
 Concen: 65.169 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4





#49

Dimethylphthalate

Concen: 4.298 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

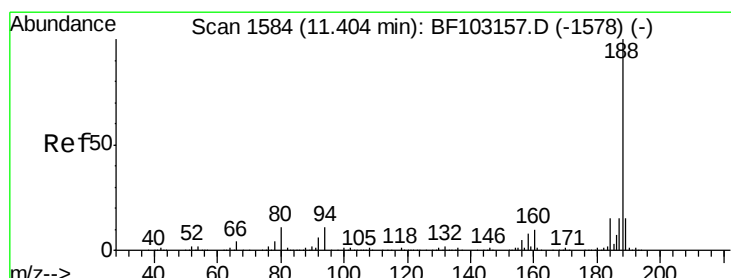
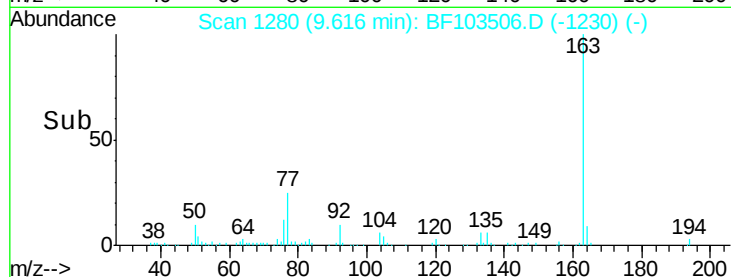
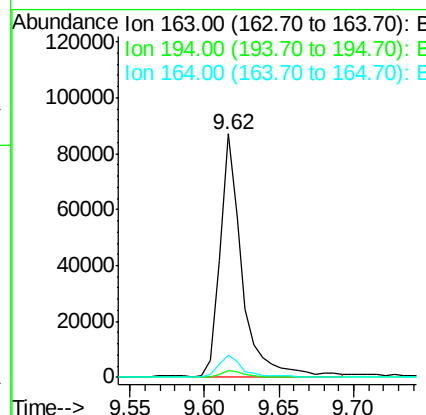
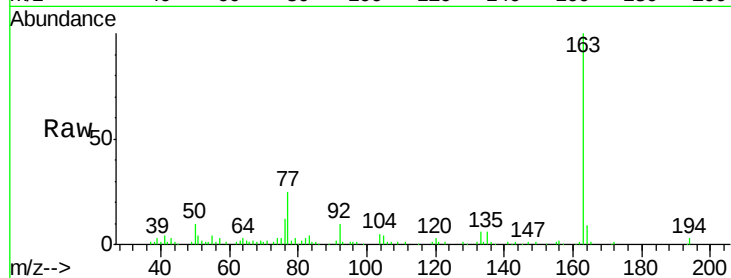
ClientSampleId :

COMP-2

Tot Ion:	163	Resp:	90450
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.7	4.1
164	9.2	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

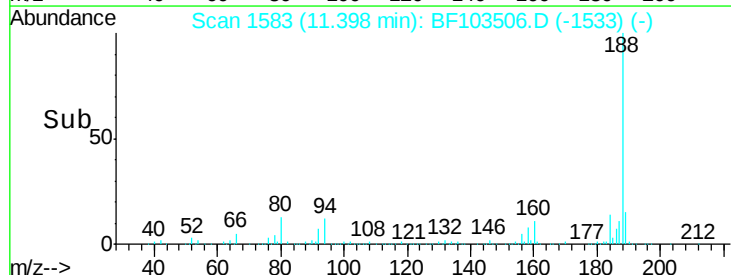
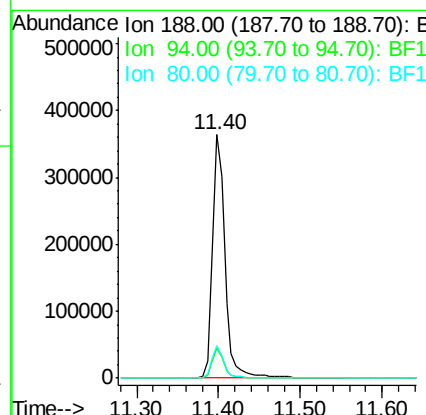
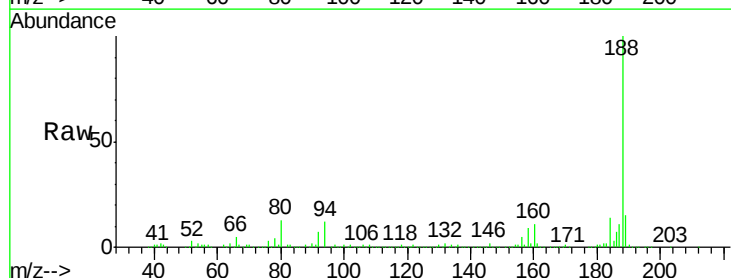
RT: 11.40 min Scan# 1583

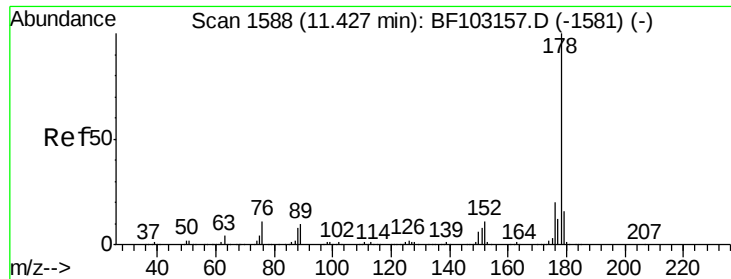
Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Tgt Ion:	188	Resp:	382868
Ion Ratio	Lower	Upper	
188	100		
94	12.4	8.5	12.7
80	13.2	9.2	13.8





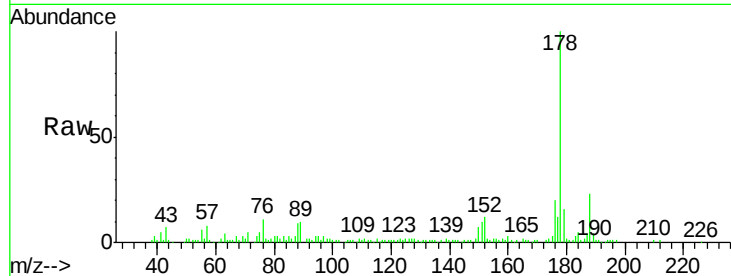
#70
Phenanthrene
Concen: 4.283 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampled :
COMP-2

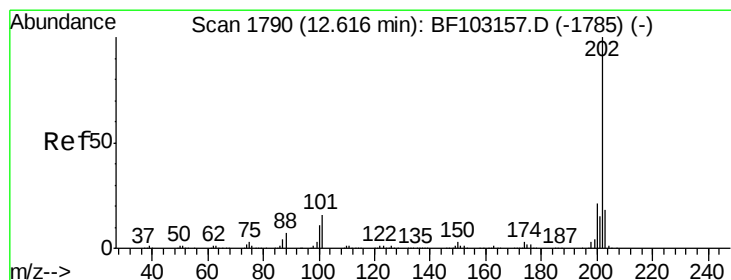
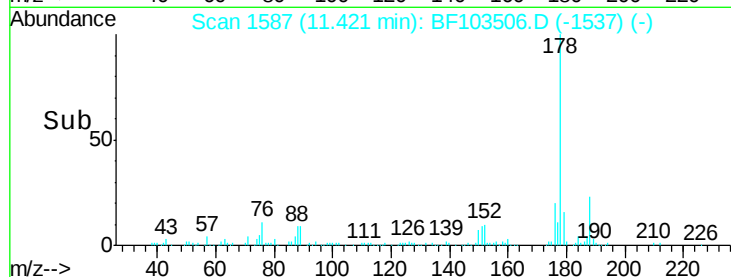
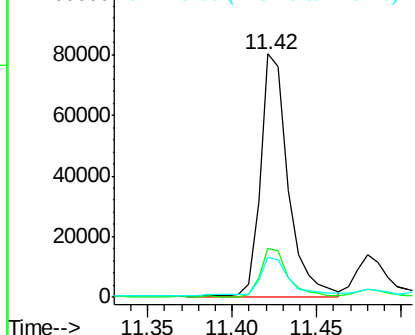
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.3	13.0	19.6

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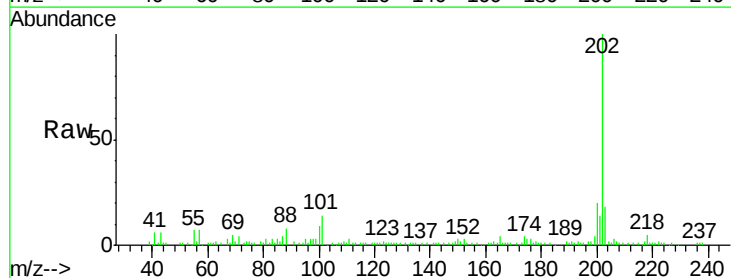


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

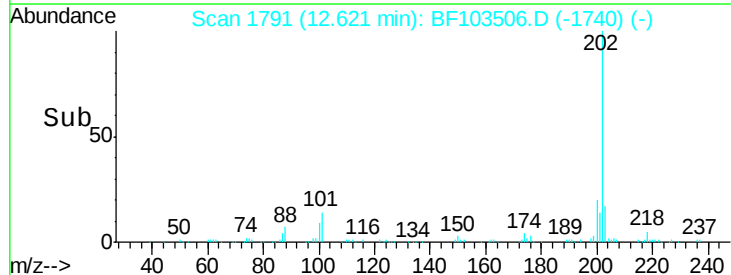
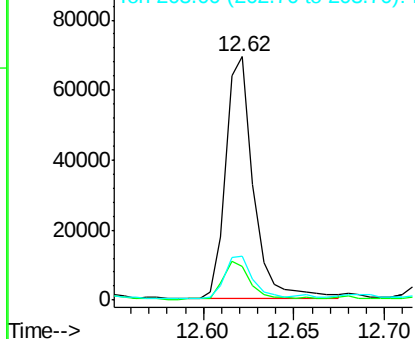


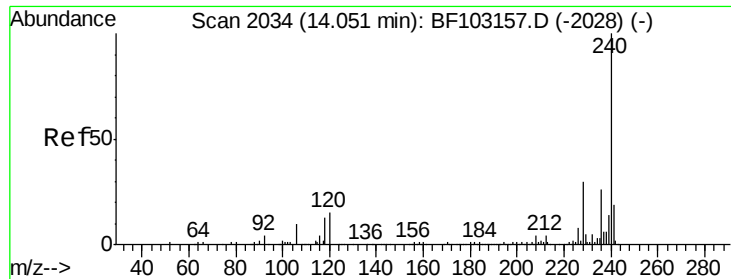
#74
Fluoranthene
Concen: 3.494 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	17.9	0.0	38.1



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

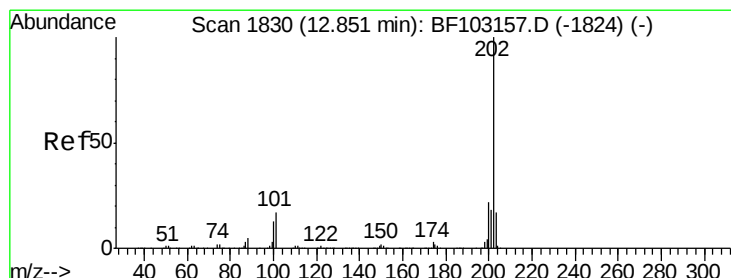
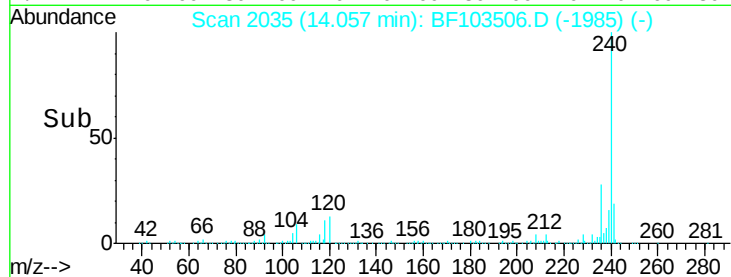
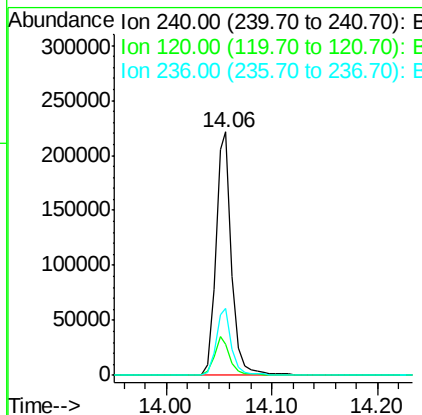
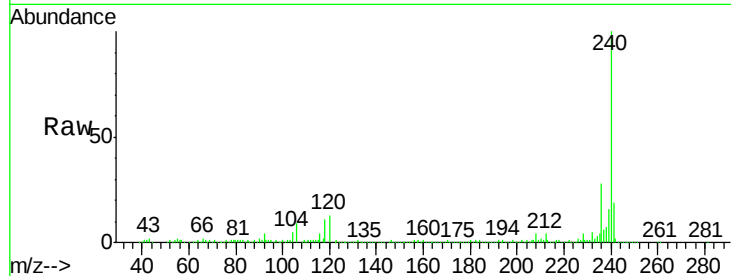
ClientSampled :

COMP-2

Tot Ion:	240	Resp:	233013
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	27.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 5.327 ng

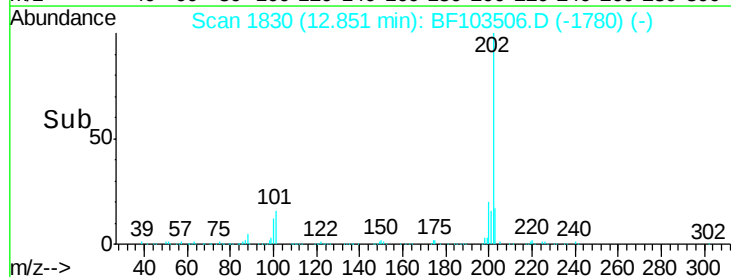
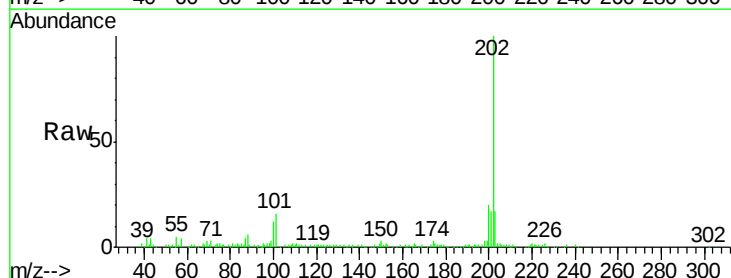
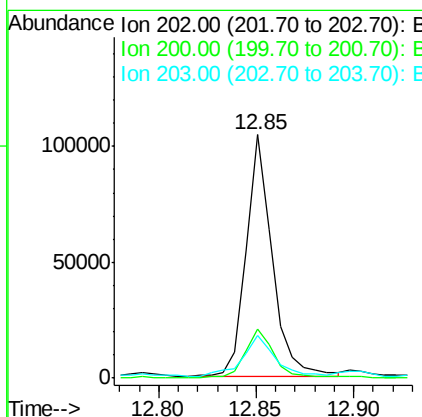
RT: 12.85 min Scan# 1830

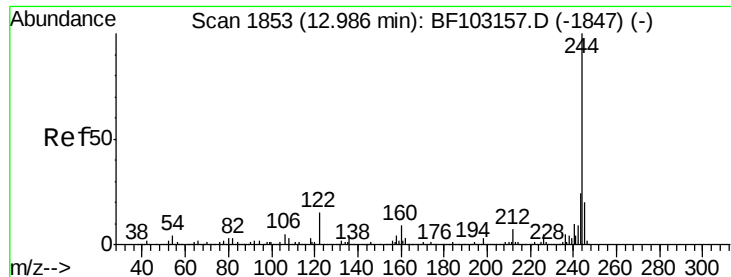
Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Tgt Ion:	202	Resp:	96784
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.4	26.2
203	17.4	14.3	21.5





#78

Terphenyl-d14

Concen: 63.562 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

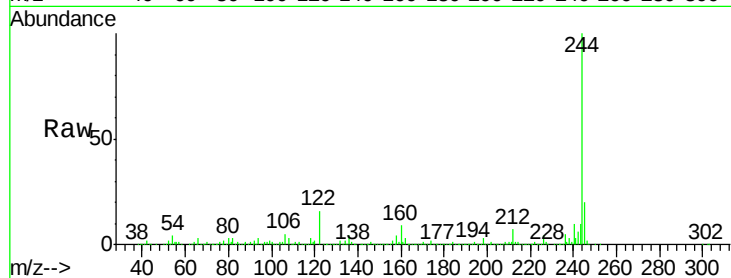
ClientSampleId :

COMP-2

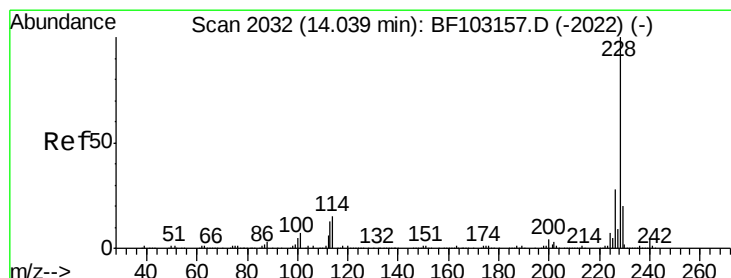
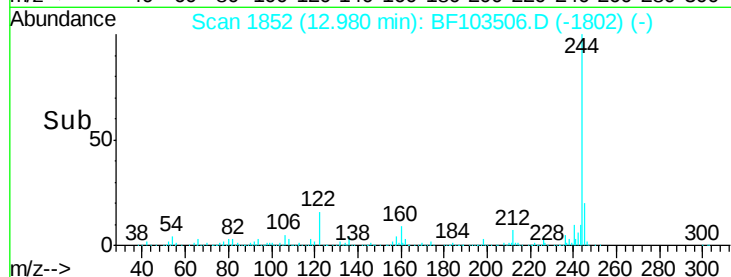
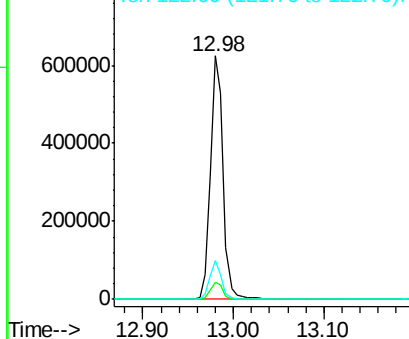
Tot Ion:	244	Resp:	616120
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.7	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.519 ng

RT: 14.04 min Scan# 2033

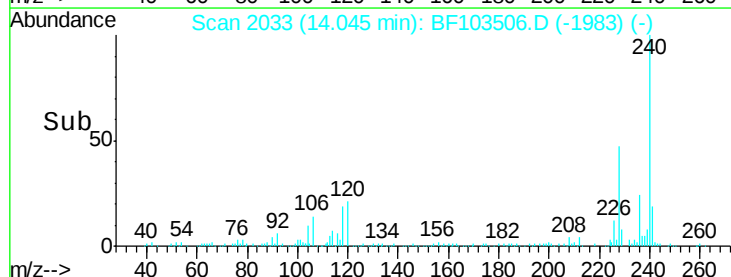
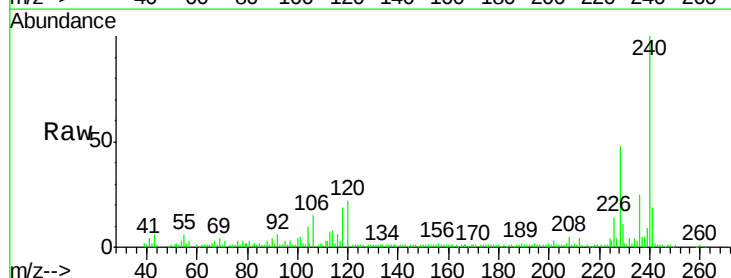
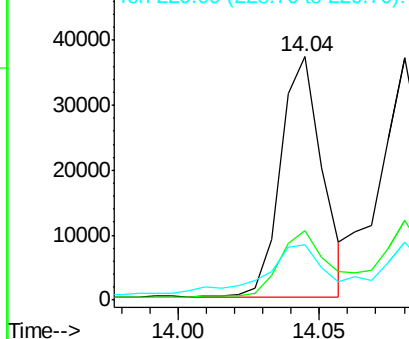
Delta R.T. -0.01 min

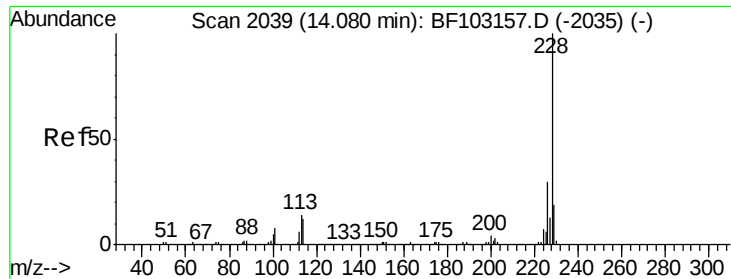
Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Tgt Ion:	228	Resp:	38082
Ion Ratio		Lower	Upper
228	100		
226	28.3	22.6	33.8
229	22.9	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





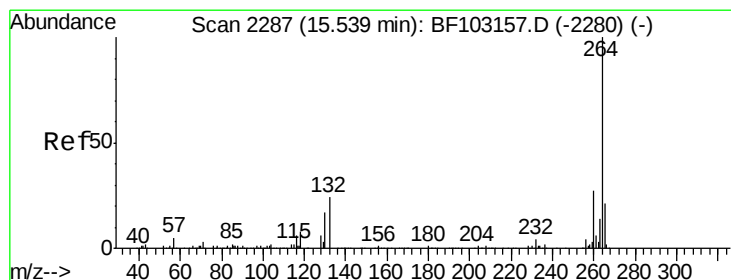
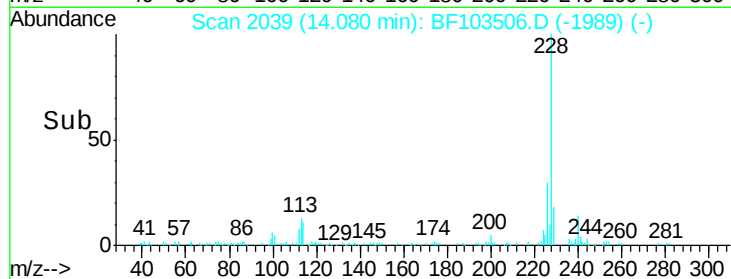
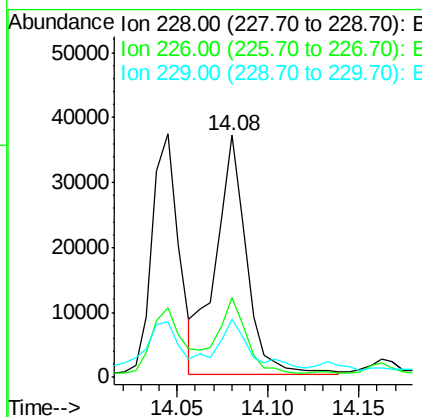
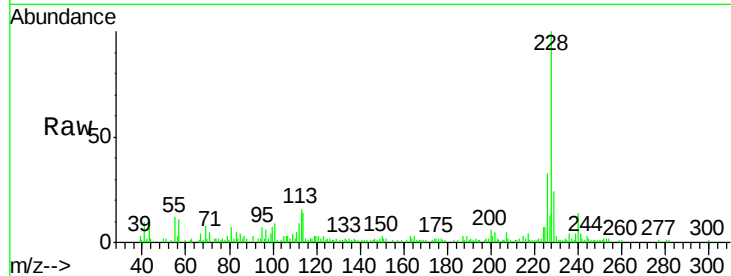
#82
Chrysene
Concen: 3.000 ng/ml
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion:	228	Resp:	44041
Ion Ratio	Lower	Upper	
228	100		
226	33.0	25.0	37.6
229	23.9	16.2	24.4

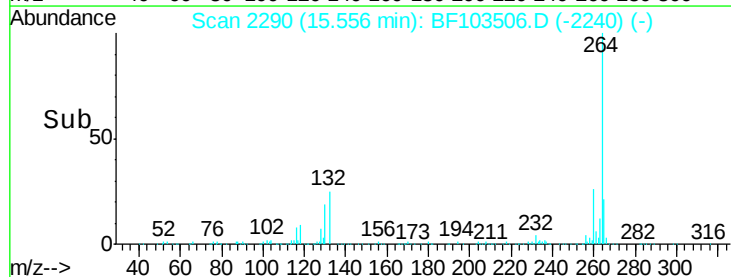
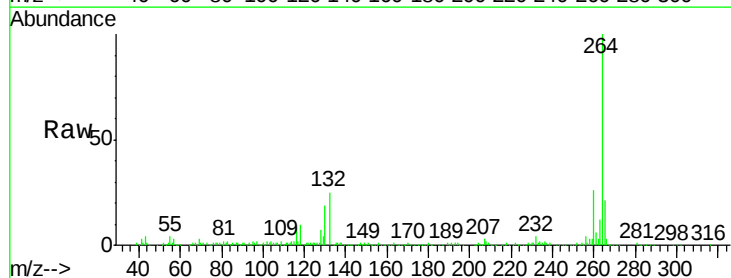
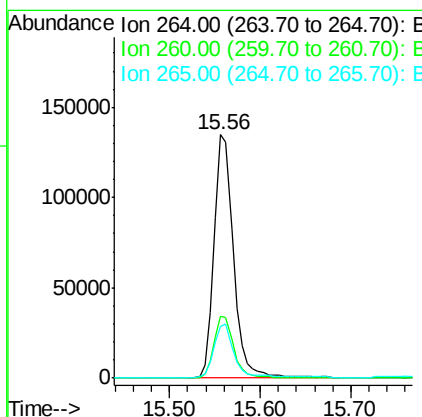
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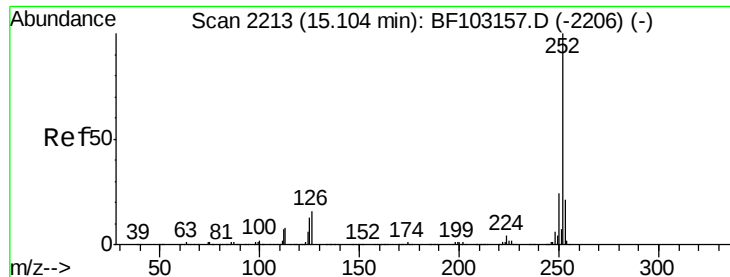
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion:	264	Resp:	201626
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.2	28.8
265	21.4	17.5	26.3





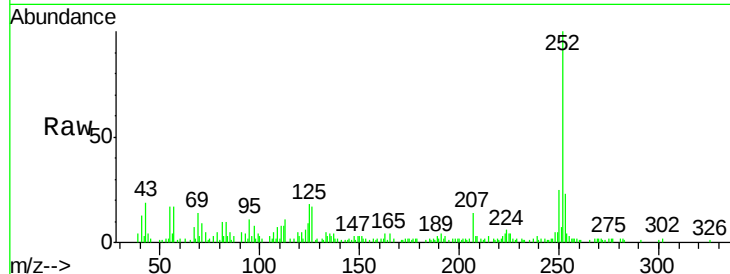
#87
Benzo(b)fluoranthene
Concen: 3.143 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampled :
COMP-2

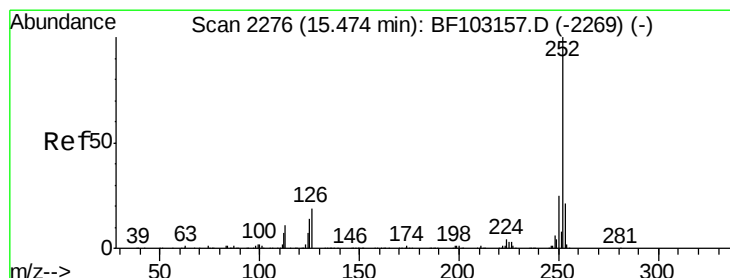
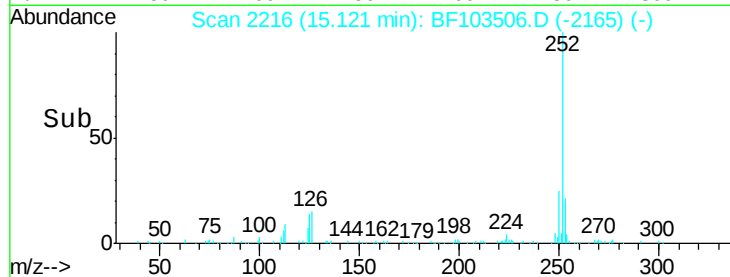
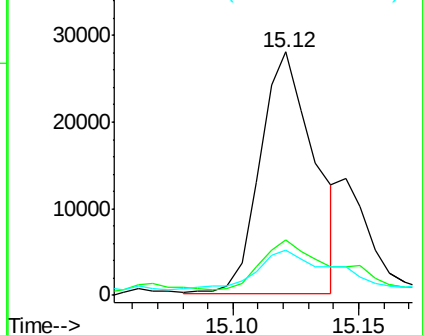
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	18.5	9.0	13.6

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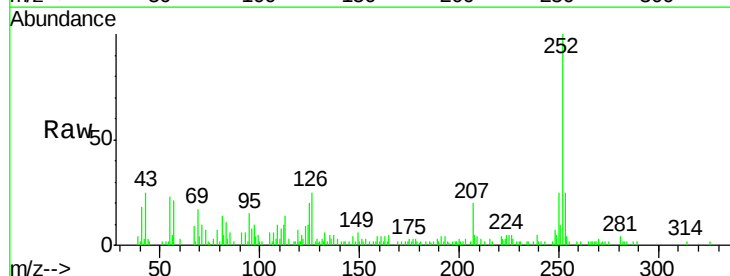


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

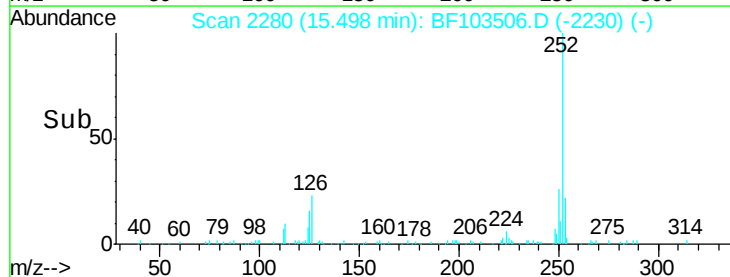
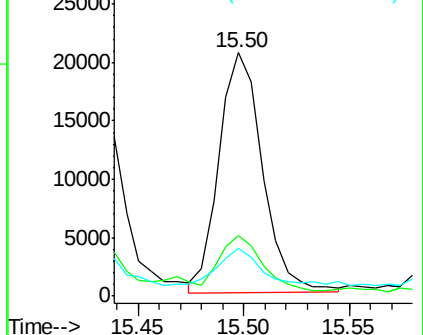


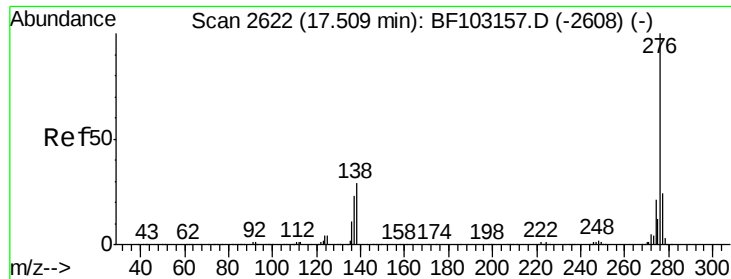
#89
Benzo(a)pyrene
Concen: 2.489 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	19.8	9.8	14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 2.014 ng
 RT: 17.57 min Scan# 2632
 Delta R.T. -0.01 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	35.6	17.9	26.9#
138	40.4	21.8	32.8#

Manual Integrations
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