

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103209.D
 Acq On : 26 Feb 2018 11:01
 Operator : SJ/JU
 Sample : J1640-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCARE

Manual Integrations
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Quant Time: Feb 26 12:22:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150021	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	648916	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	290700	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	520044	20.00	ng	0.00
75) Chrysene-d12	14.04	240	351408	20.00	ng	0.00
86) Perylene-d12	15.53	264	289020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	24010	2.42	ng	0.01
7) Phenol-d6	6.49	99	396175	32.64	ng	-0.01
23) Nitrobenzene-d5	7.43	82	585697	51.54	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.22	172	977799	52.73	ng	0.00
78) Terphenyl-d14	12.98	244	911176	62.33	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	91857	3.939	ng	98
70) Phenanthrene	11.42	178	102557	3.583	ng	98
74) Fluoranthene	12.61	202	169700	5.901	ng	99
77) Pyrene	12.84	202	170855	6.236	ng	100
80) Benzo(a)anthracene	14.03	228	61054	2.678	ng	99
82) Chrysene	14.07	228	63890	2.886	ng	96
87) Benzo(b)fluoranthene	15.10	252	64050m	3.371	ng	
89) Benzo(a)pyrene	15.47	252	44397	2.616	ng	# 91
91) Benzo(g,h,i)perylene	17.50	276	32593	2.543	ng	95

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

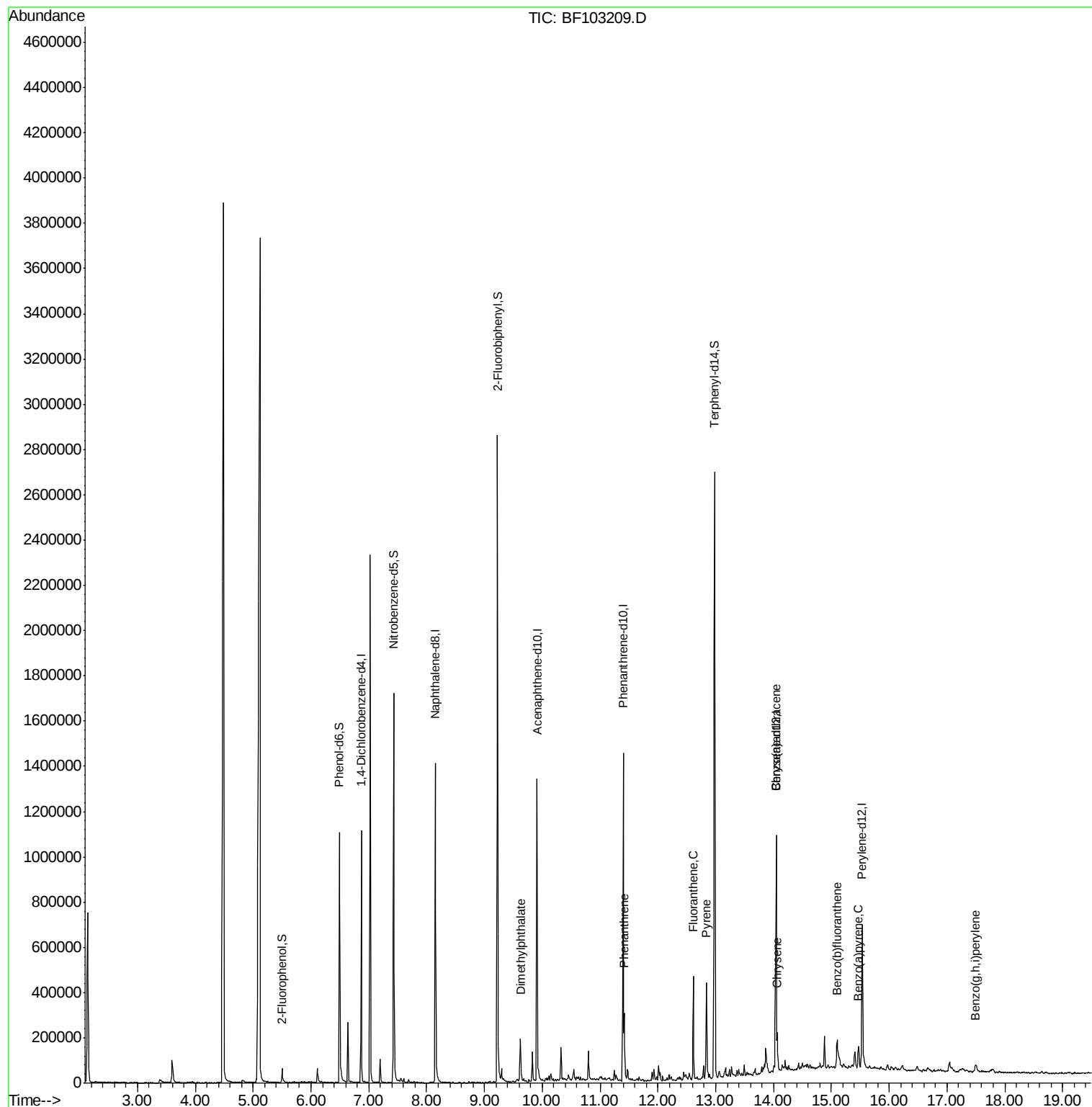
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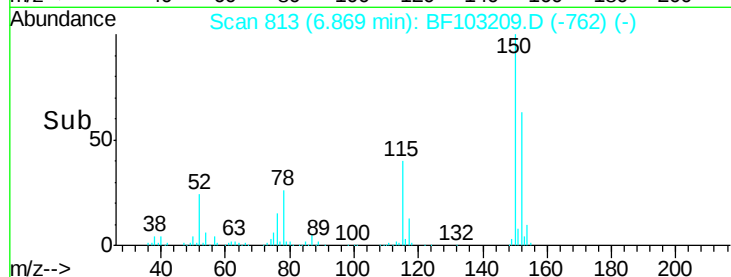
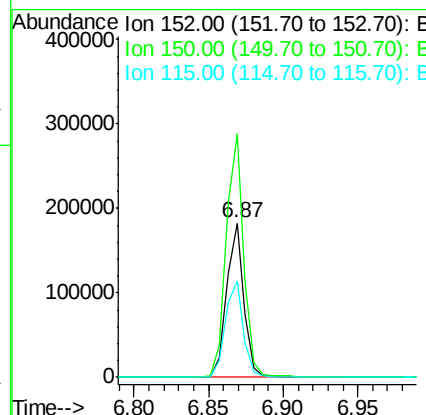
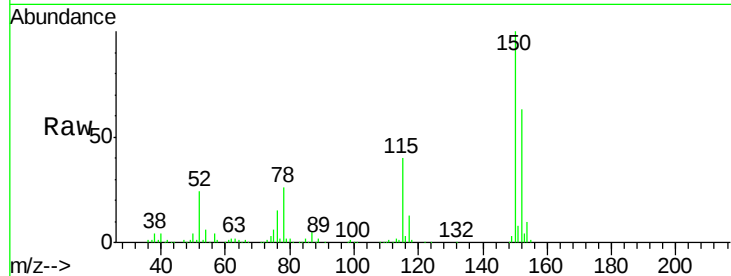
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
152	100	150021		
150	157.8	124.6	186.8	
115	62.5	50.1	75.1	

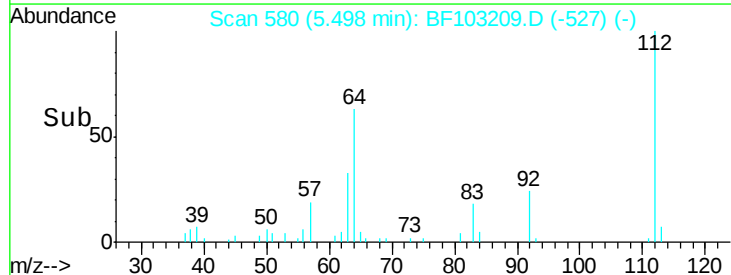
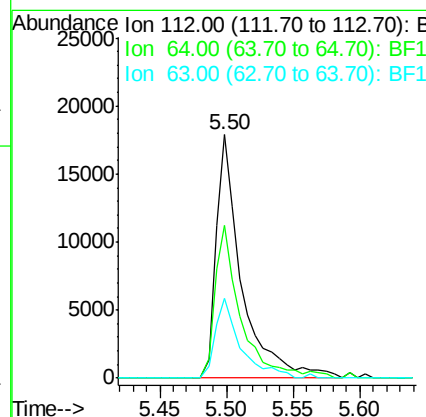
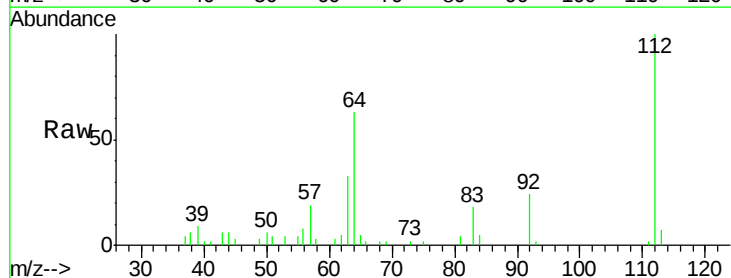
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#5
 2-Fluorophenol
 Concen: 2.421 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	24010		
64	62.9	47.9	71.9	
63	33.0	23.7	35.5	





#7

Phenol-d6

Concen: 32.640 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

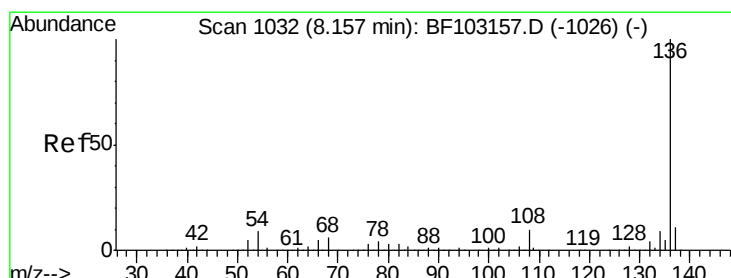
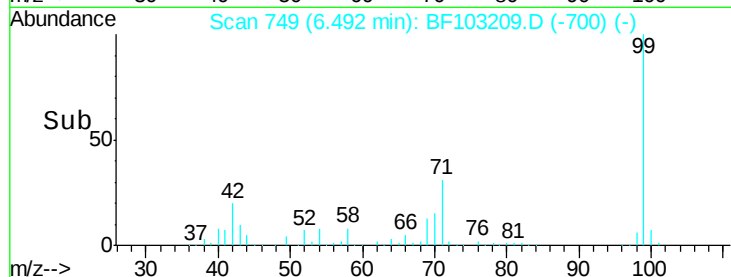
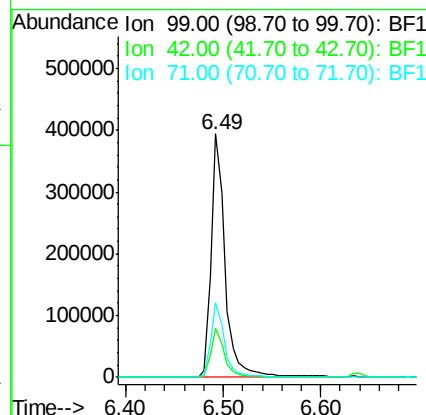
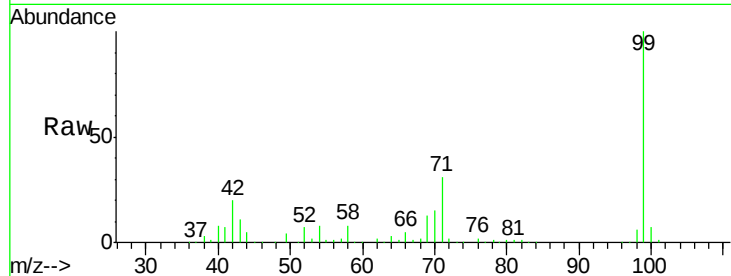
ClientSampleId :

2-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		396175		
42	19.9	14.5	21.7		
71	30.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

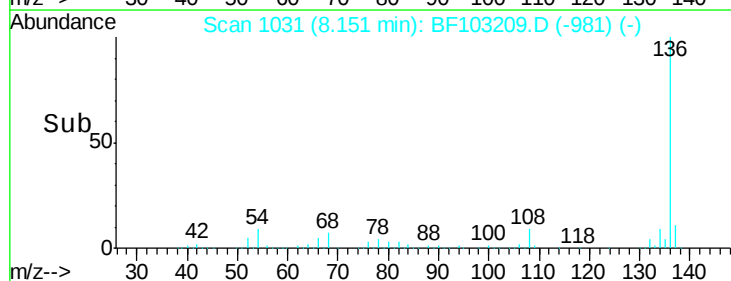
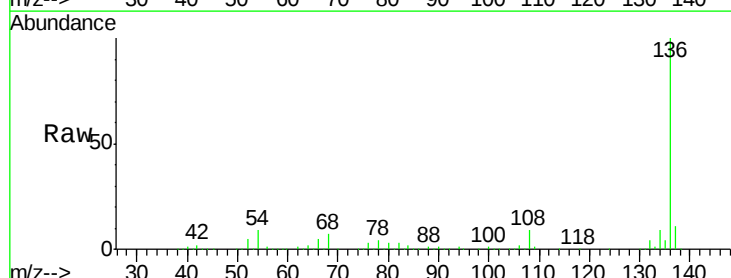
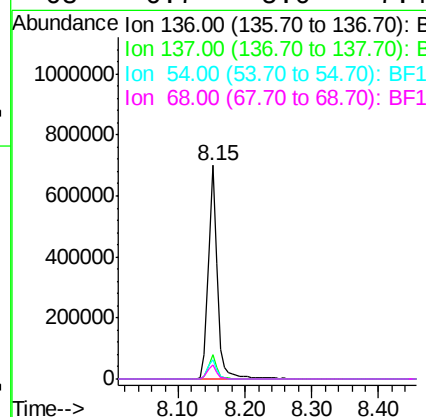
RT: 8.15 min Scan# 1031

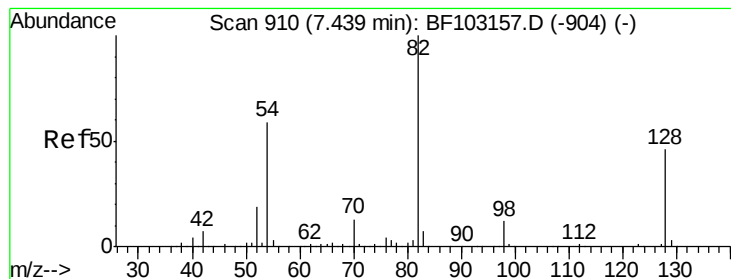
Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		648916		
137	11.3	8.9	13.3		
54	9.0	6.6	9.8		
68	6.7	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 51.545 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

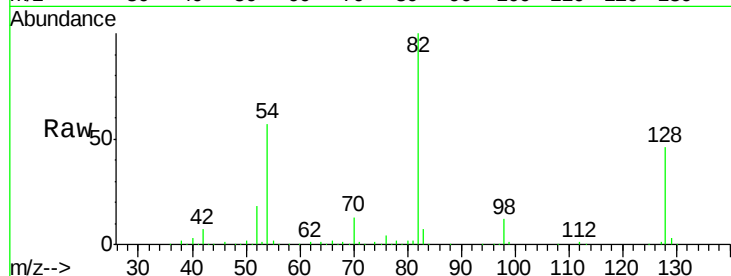
ClientSampleId :

2-2-DENSE-GRADE-AGG-RCARE

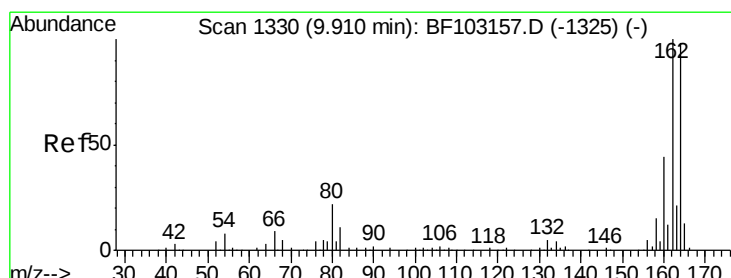
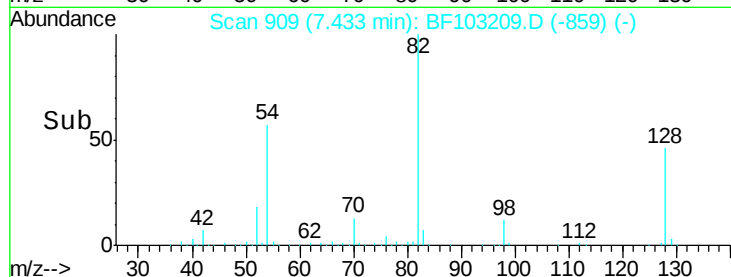
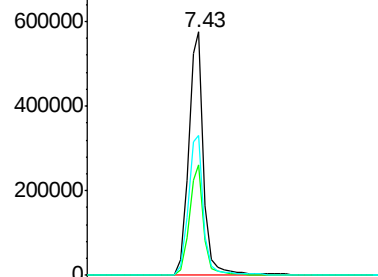
Tot Ion:	82	Resp:	585697
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	57.5	41.4	62.2

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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: 9.91 min Scan# 1330

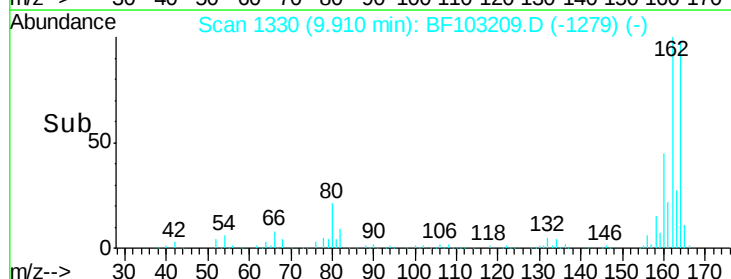
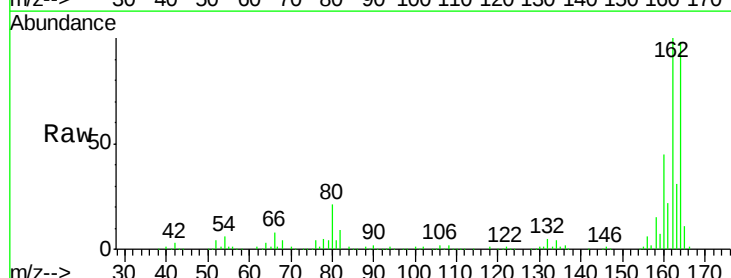
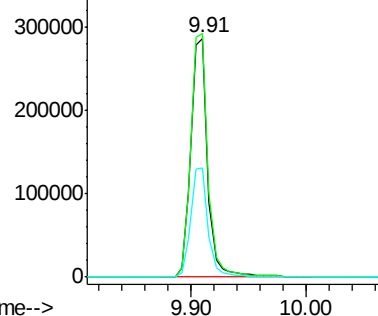
Delta R.T. -0.00 min

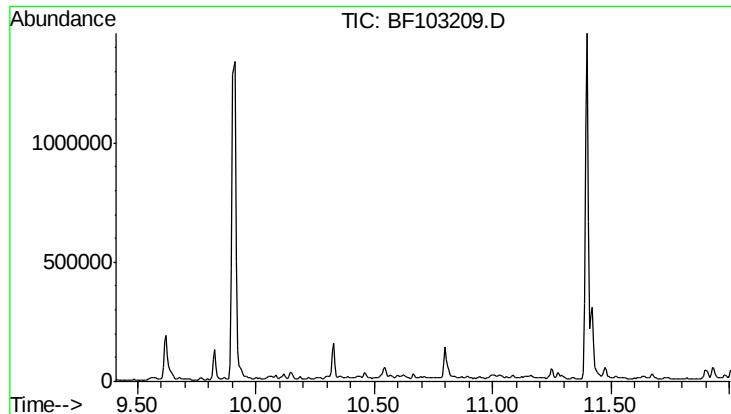
Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Tgt Ion:	164	Resp:	290700
Ion Ratio	Lower	Upper	
164	100		
162	102.1	86.1	129.1
160	46.0	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





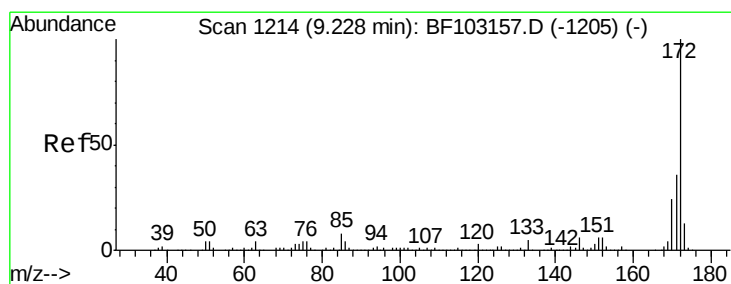
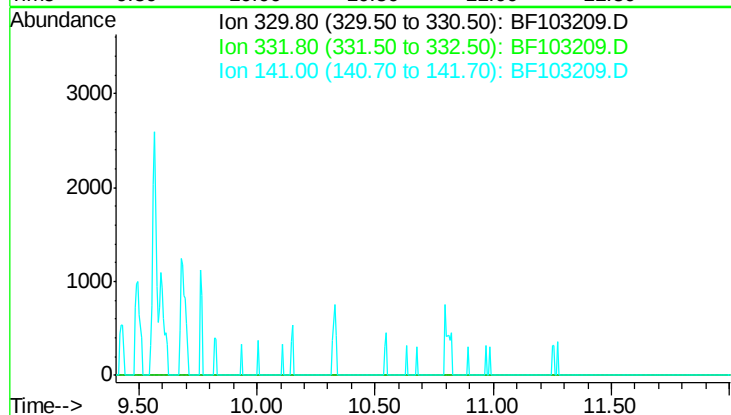
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.70 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCARE

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4

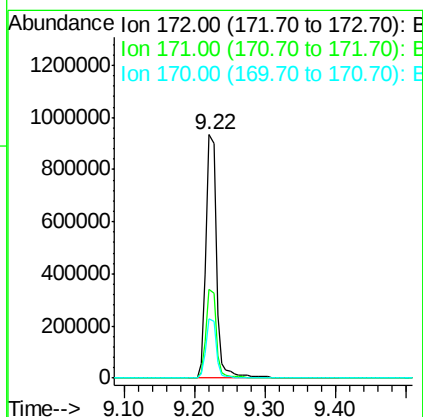
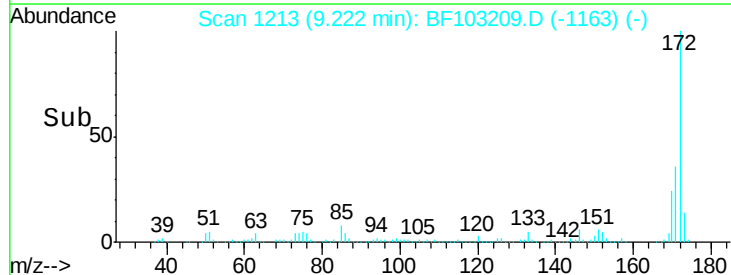
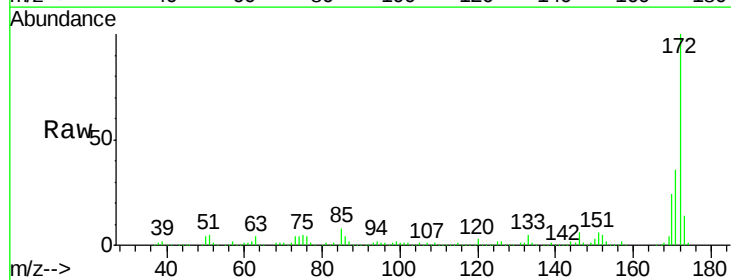
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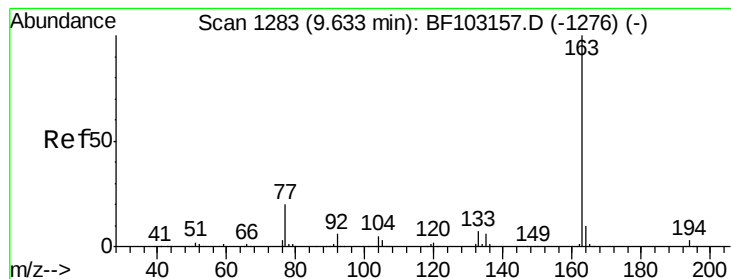
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#44
 2-Fluorobiphenyl
 Concen: 52.730 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Tgt Ion: 172 Resp: 977799
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.3 19.6 29.4





#49

Dimethylphthalate

Concen: 3.939 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

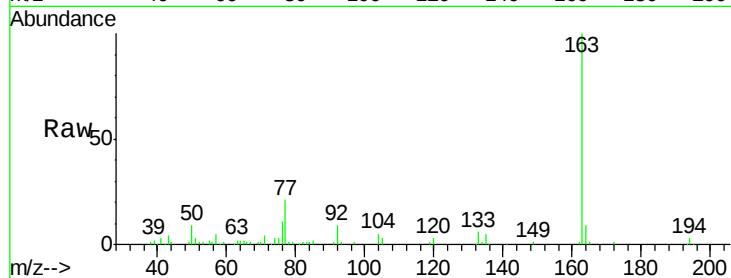
ClientSampleId :

2-2-DENSE-GRADE-AGG-RCARE

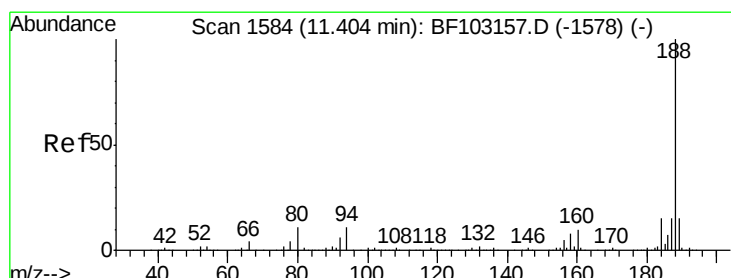
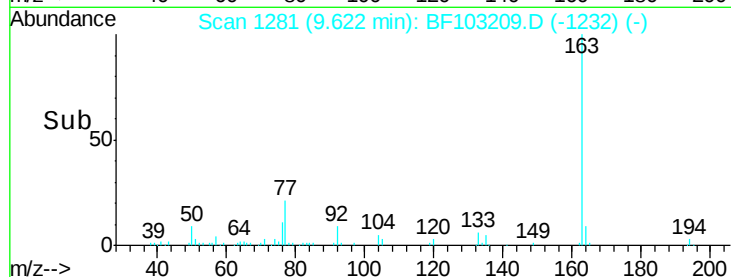
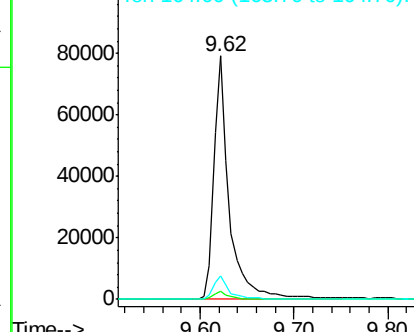
Tot Ion:	163	Resp:	91857
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.4	8.2	12.2

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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

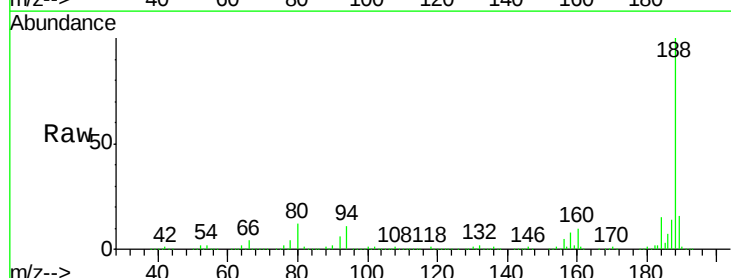
RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

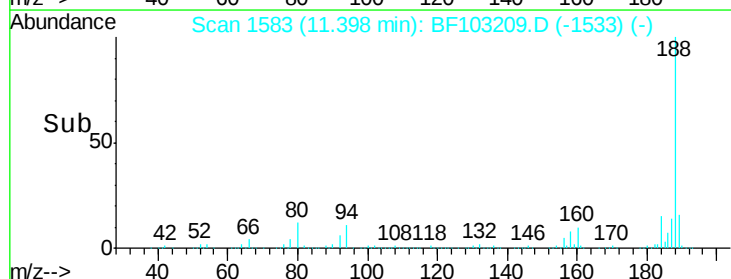
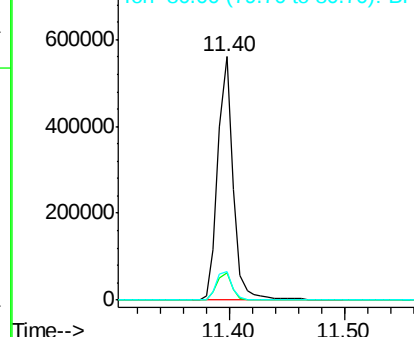
Lab File: BF103209.D

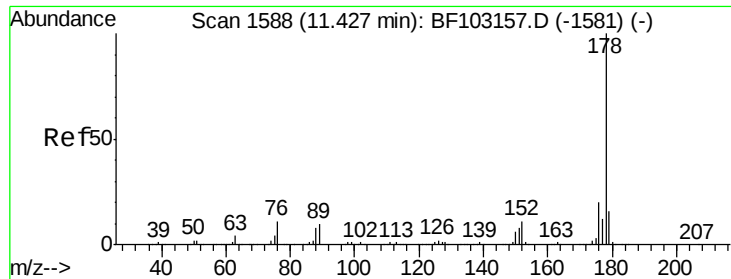
Acq: 26 Feb 2018 11:01

Tgt Ion:	188	Resp:	520044
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	11.9	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





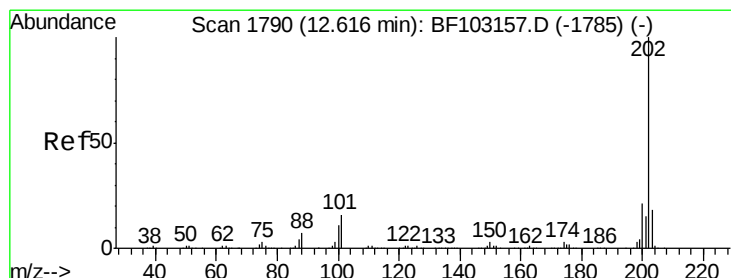
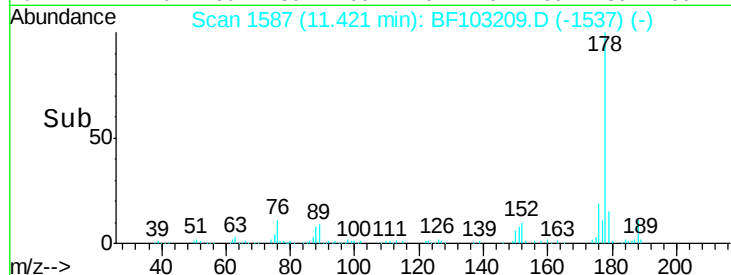
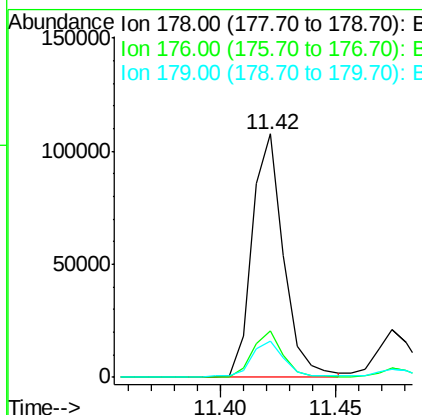
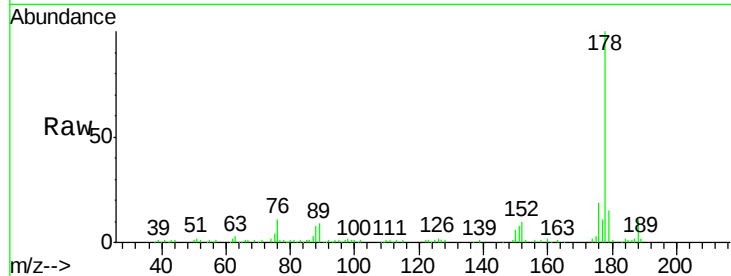
#70
Phenanthrene
Concen: 3.583 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6

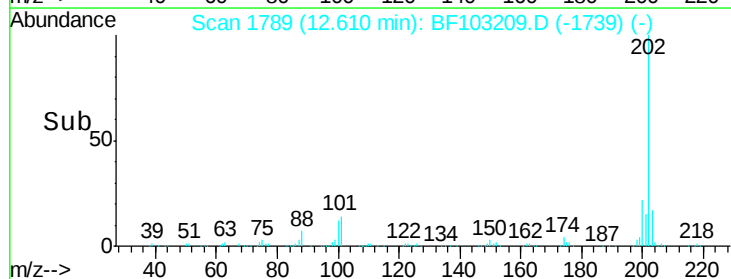
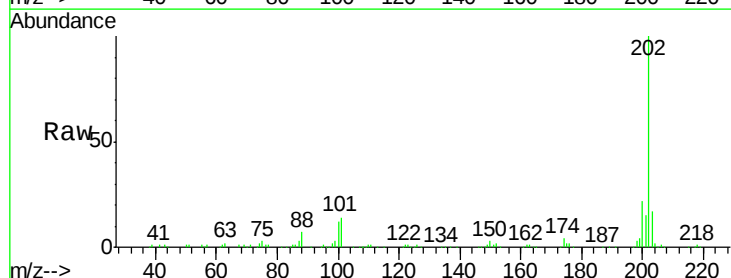
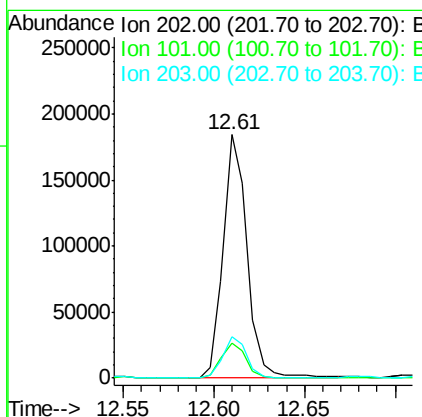
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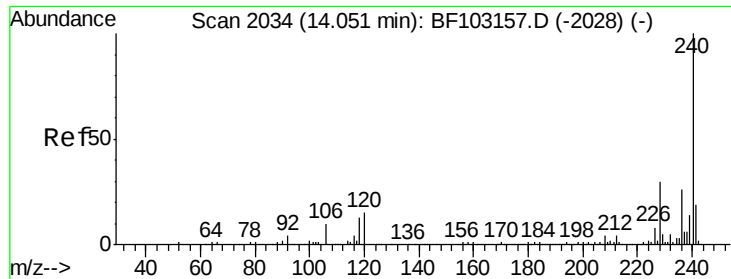
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#74
Fluoranthene
Concen: 5.901 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

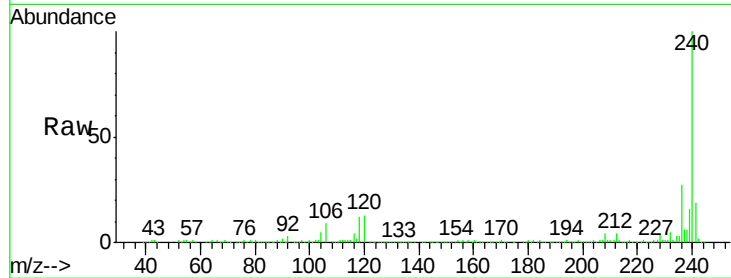
ClientSampleId :

2-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	351408		
120	13.3	9.5	14.3	
236	27.2	20.7	31.1	

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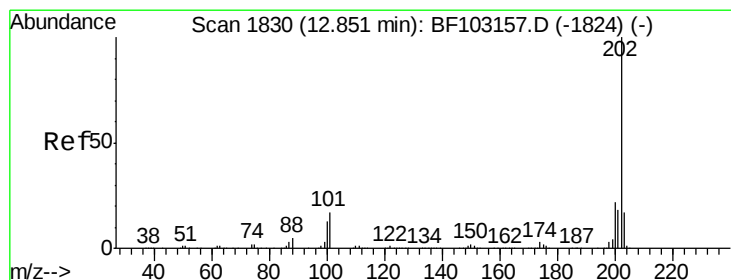
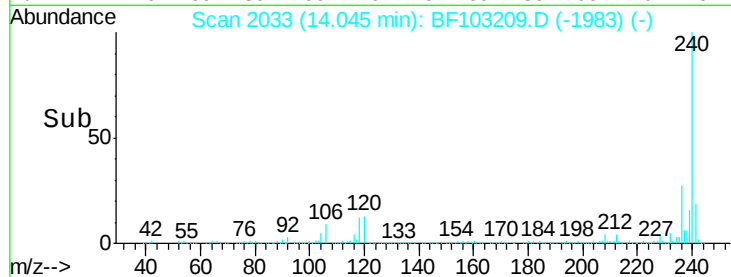
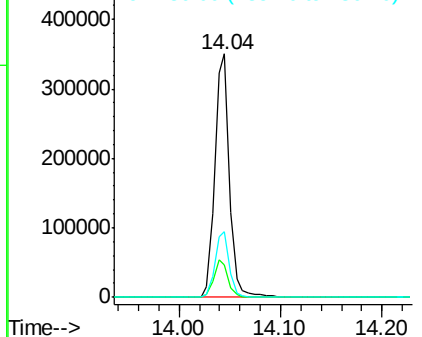
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.236 ng

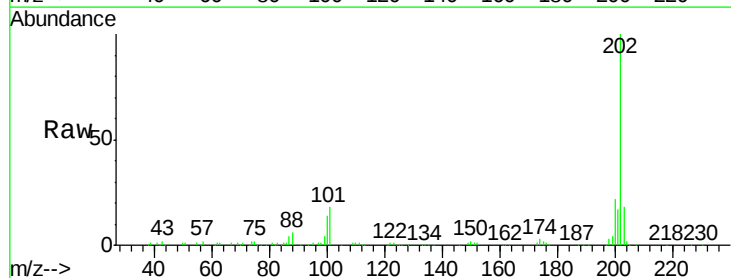
RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

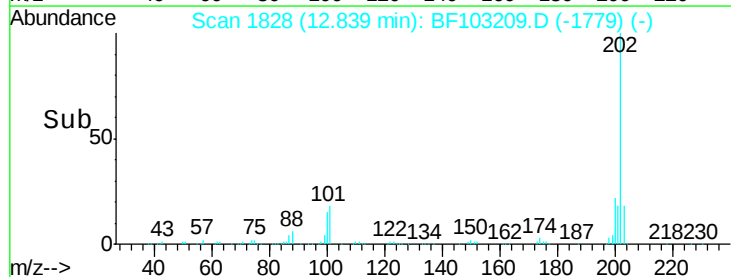
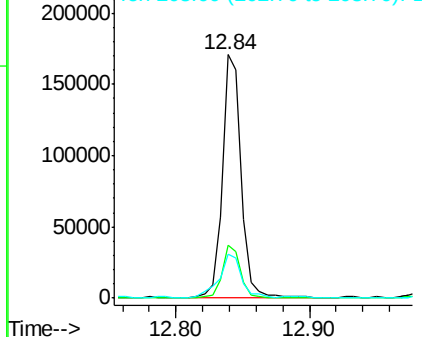
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	170855		
200	21.9	17.4	26.2	
203	18.2	14.3	21.5	

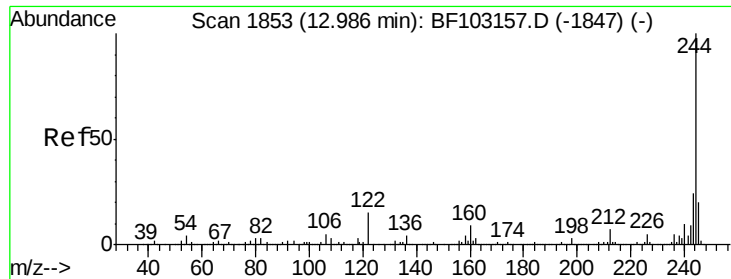


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





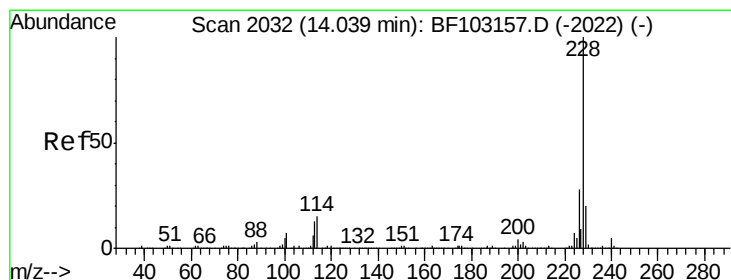
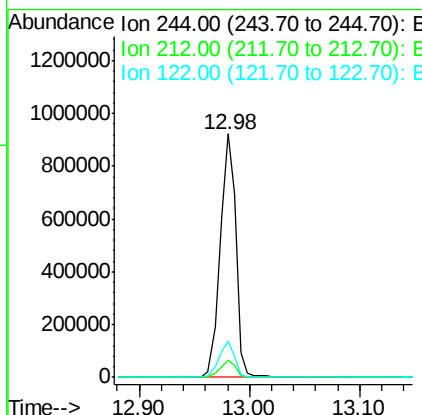
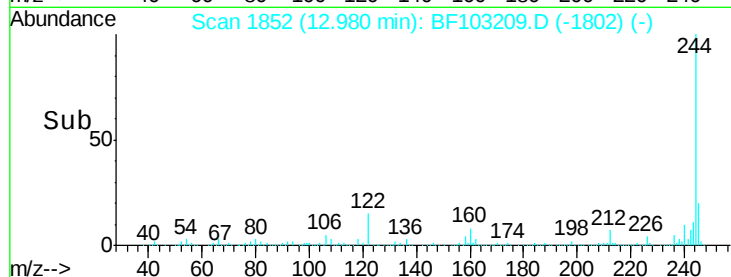
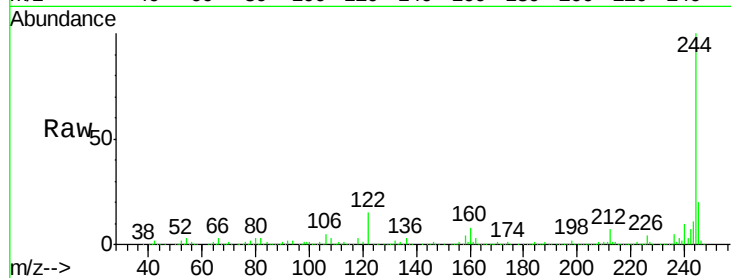
#78
 Terphenyl-d14
 Concen: 62.331 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.8	11.0	16.4

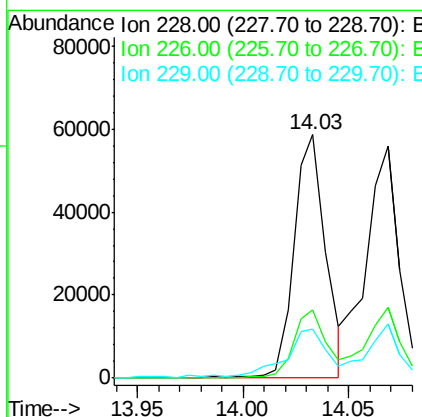
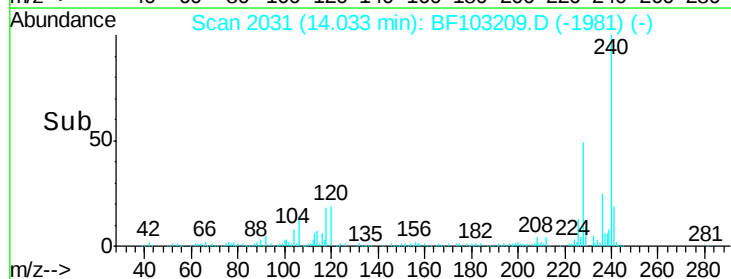
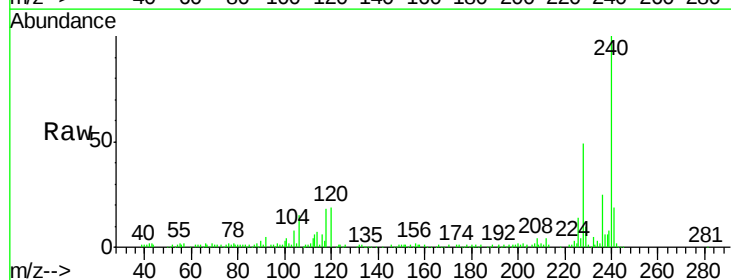
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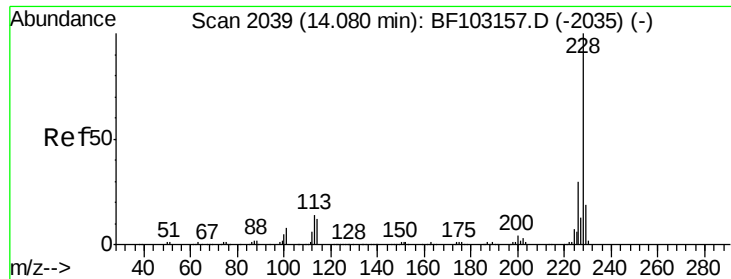
Sohil
 2/27/2018 12:22:25 PM



#80
 Benzo(a)anthracene
 Concen: 2.678 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.2	15.8	23.6





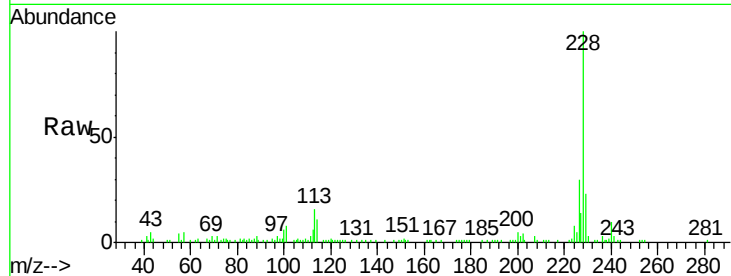
#82
Chrysene
Concen: 2.886 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCARE

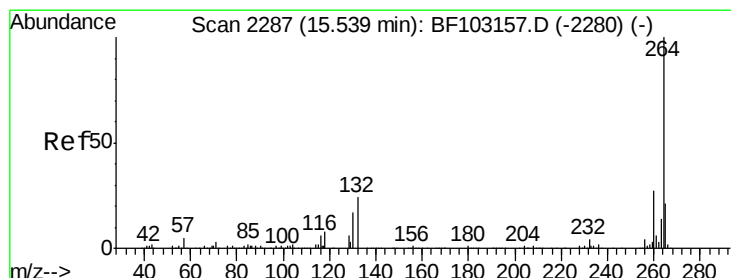
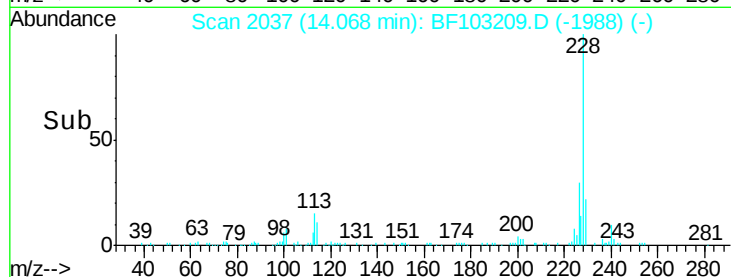
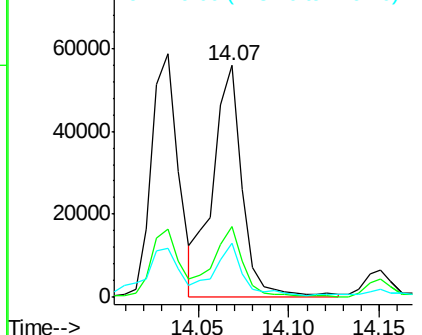
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.3	16.2	24.4

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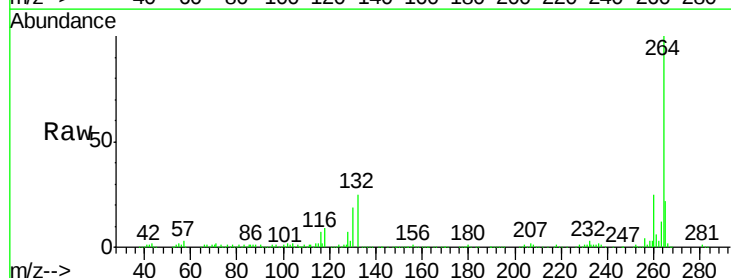


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

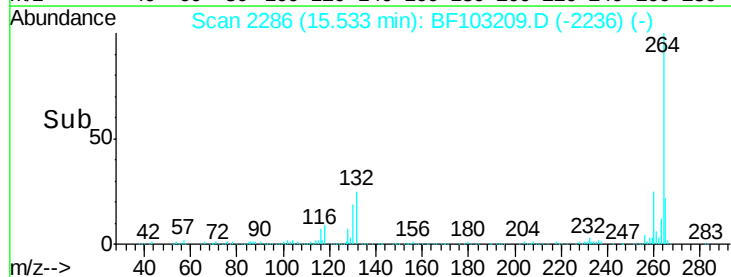
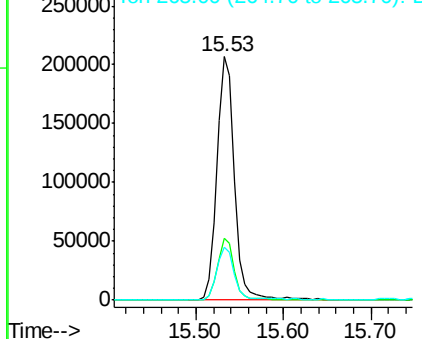


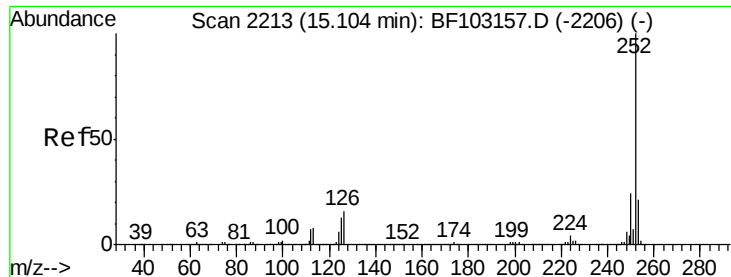
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.5	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 3.371 ng/mL

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument:

BNA_F

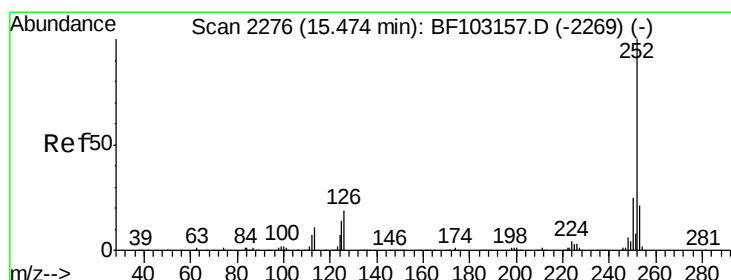
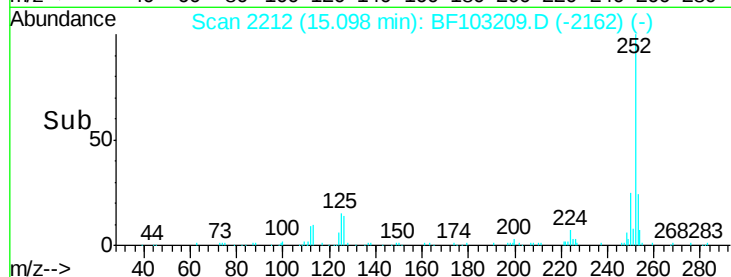
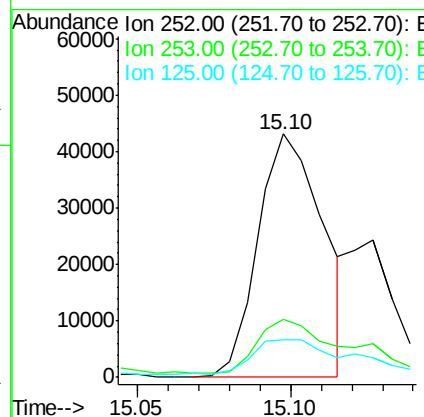
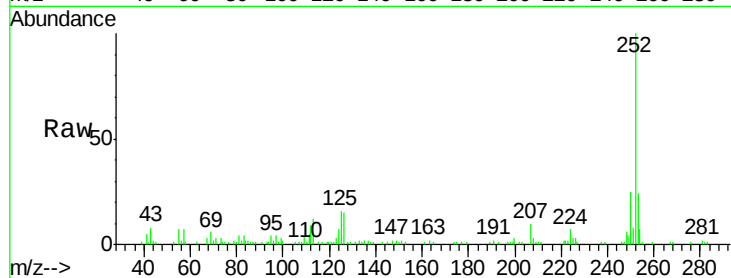
ClientSampleId:

2-2-DENSE-GRADE-AGG-RCARE

Tot Ion:	252	Resp:	64050
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	15.6	9.0	13.6#

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#89

Benzo(a)pyrene

Concen: 2.616 ng/mL

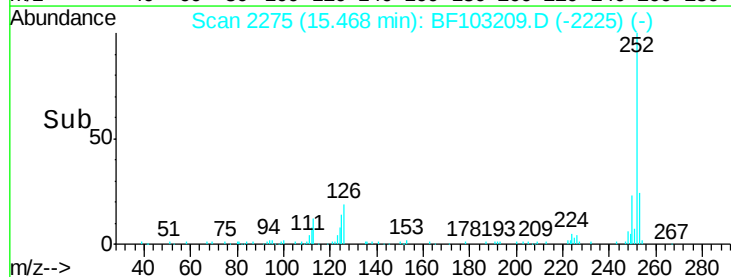
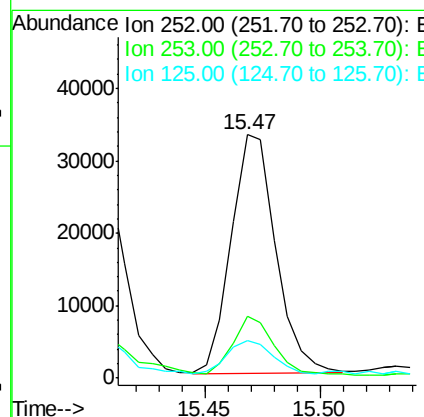
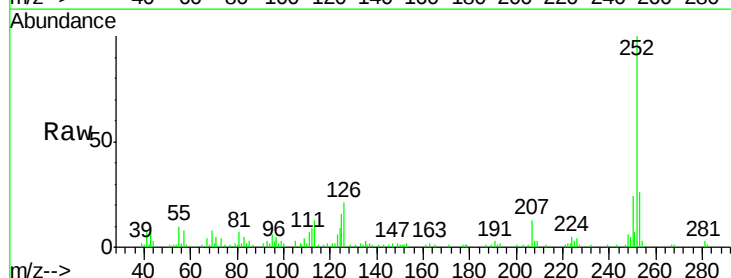
RT: 15.47 min Scan# 2275

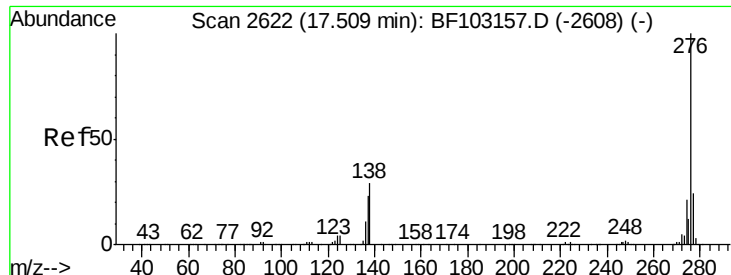
Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Tgt Ion:	252	Resp:	44397
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.1	25.7
125	15.6	9.8	14.6#





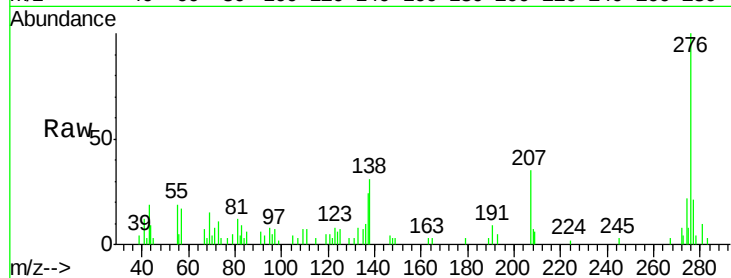
#91
 Benzo(a,h,i)perylene
 Concen: 2.543 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF103209.D
 Acq: 26 Feb 2018 11:01

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.0	17.9	26.9
138	30.8	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

