

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103278.D
 Acq On : 27 Feb 2018 22:01
 Operator : SJ/JU
 Sample : J1702-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-B

Manual Integrations
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Sohil
 2/28/2018 11:18:04 AM

Quant Time: Feb 28 02:20:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	173816	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	688355	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	240499	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	333506	20.00	ng	0.00
75) Chrysene-d12	14.06	240	258559	20.00	ng	0.00
86) Perylene-d12	15.56	264	171507	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	844875	73.52	ng	0.00
7) Phenol-d6	6.51	99	1022233	72.69	ng	0.00
23) Nitrobenzene-d5	7.44	82	657956	54.59	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	112067	55.05	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	863806	57.07	ng	0.00
78) Terphenyl-d14	12.99	244	563167	52.36	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	102182	5.567	ng	97
74) Fluoranthene	12.62	202	137401	7.450	ng	97
77) Pyrene	12.86	202	130106	6.454	ng	98
80) Benzo(a)anthracene	14.04	228	55373m	3.301	ng	
82) Chrysene	14.08	228	56102m	3.444	ng	
87) Benzo(b)fluoranthene	15.12	252	45306m	4.018	ng	
89) Benzo(a)pyrene	15.49	252	30058	2.985	ng	# 87
91) Benzo(g,h,i)perylene	17.54	276	19505	2.565	ng	# 90

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

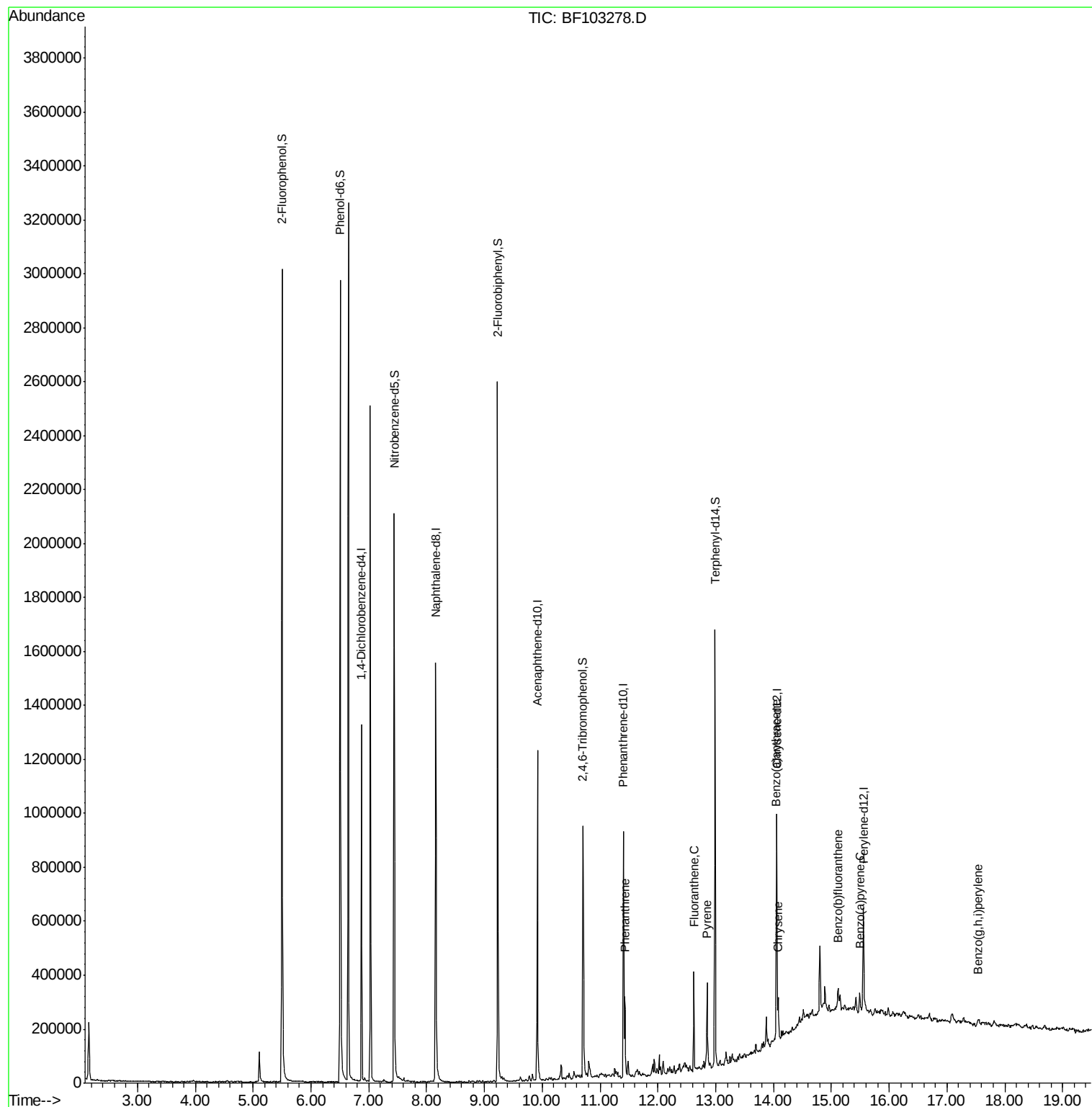
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103278.D
Acq On : 27 Feb 2018 22:01
Operator : SJ/JU
Sample : J1702-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

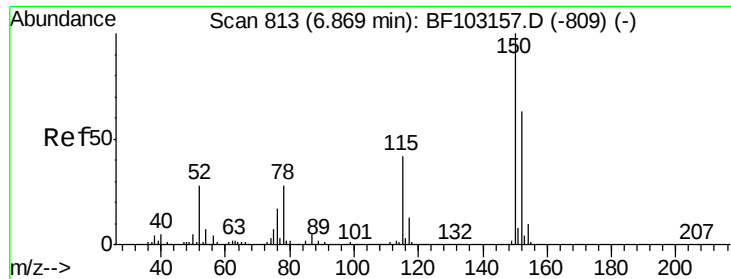
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

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#1

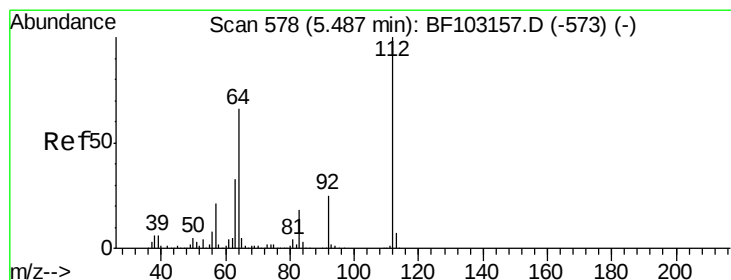
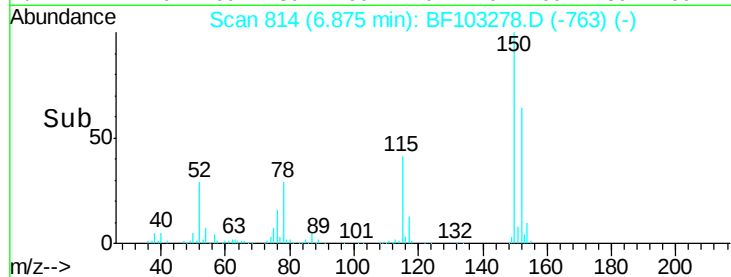
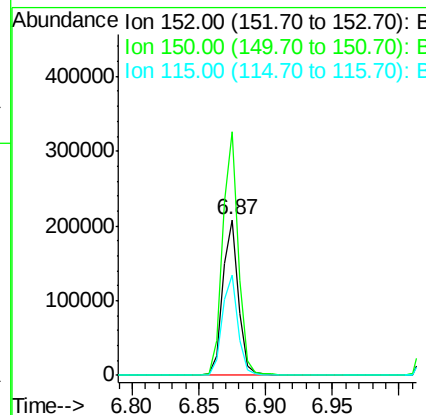
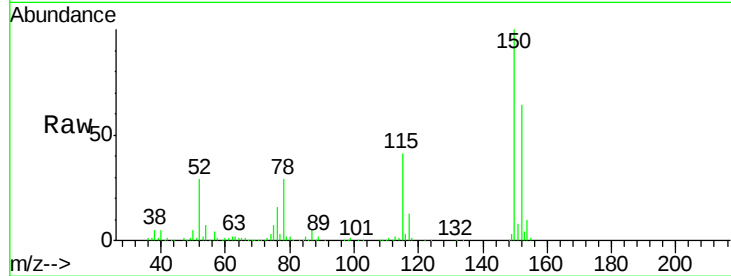
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	64.2	50.1	75.1

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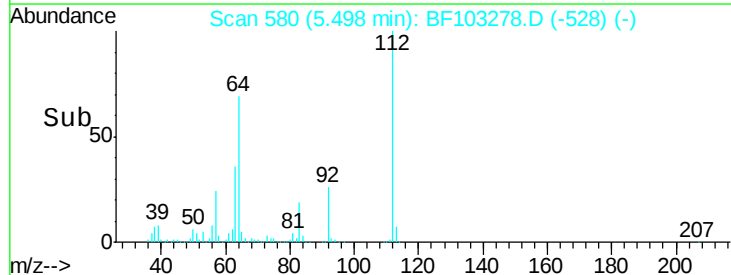
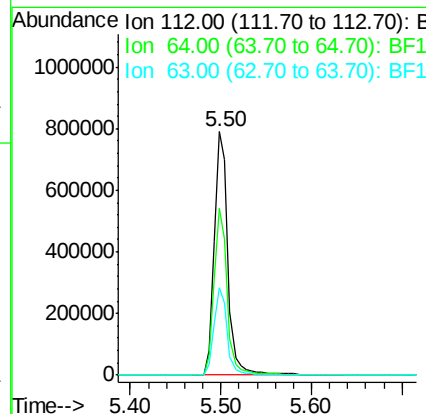
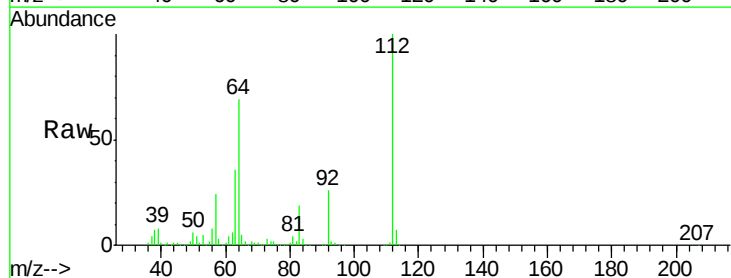
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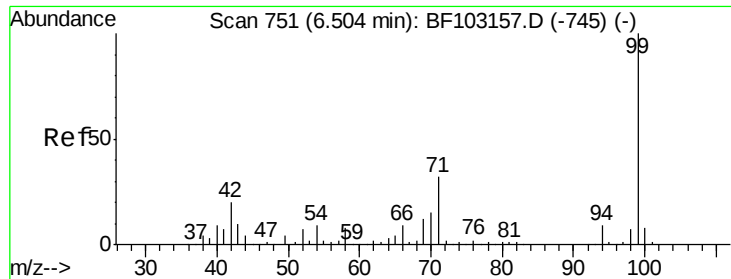


#5

2-Fluorophenol
Concen: 73.515 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	36.1	23.7	35.5#





#7

Phenol-d6

Concen: 72.691 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-B

Tot Ion: 99 Resp: 1022233

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

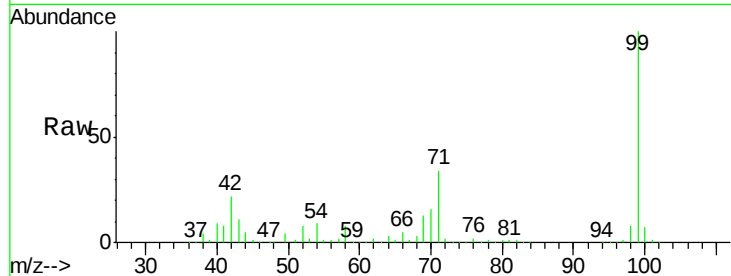
71 33.6 25.4 38.0

Manual Integrations

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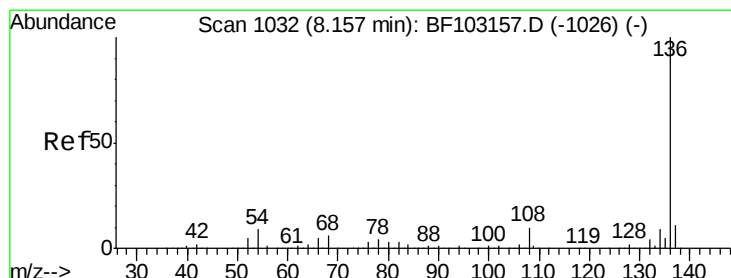
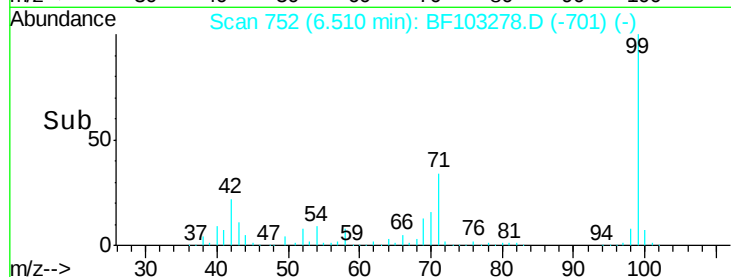
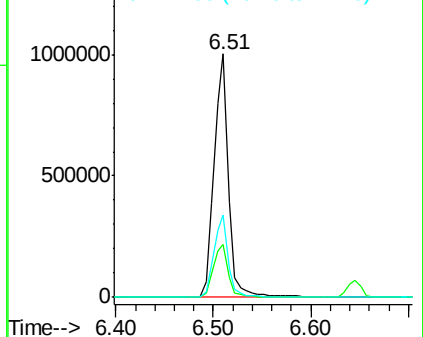
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Tgt Ion: 136 Resp: 688355

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.5 6.6 9.8

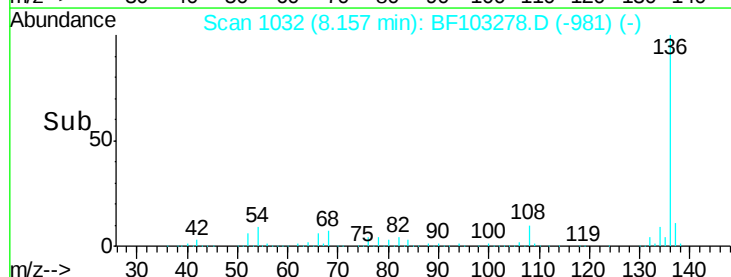
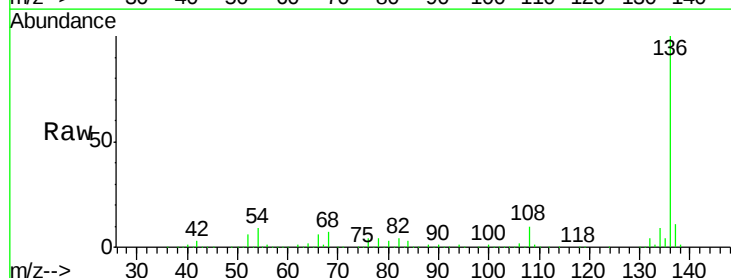
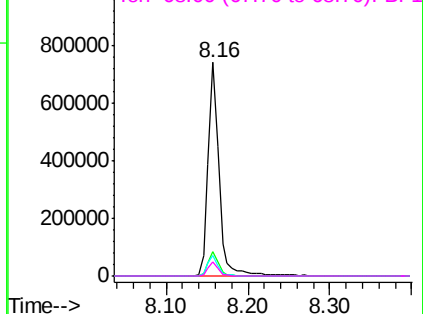
68 6.6 5.0 7.4

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





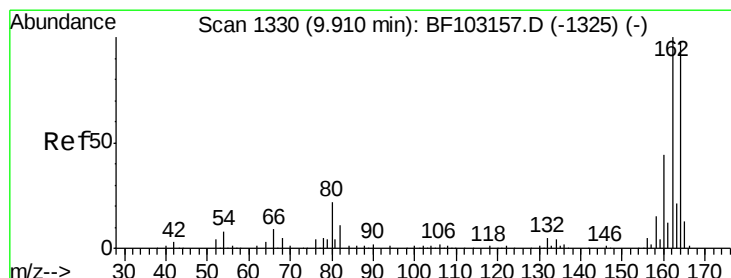
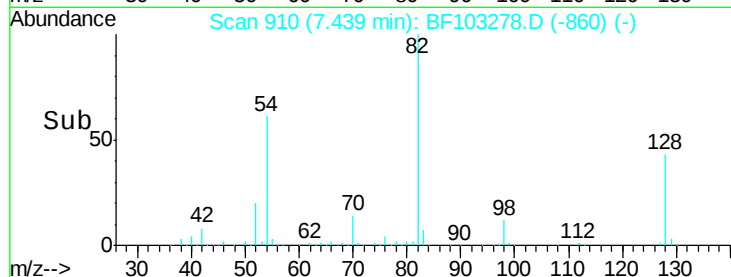
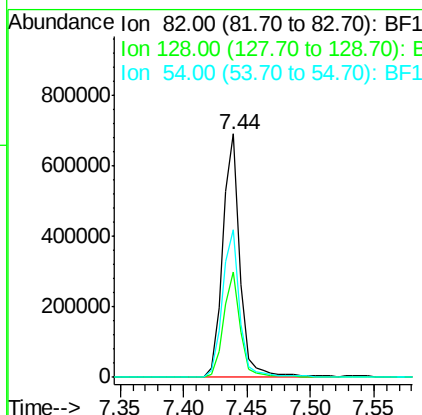
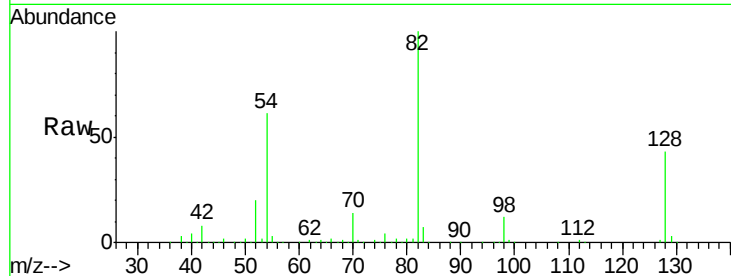
#23
Nitrobenzene-d5
Concen: 54.586 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	657956		
128	43.2		36.1	54.1
54	60.8		41.4	62.2

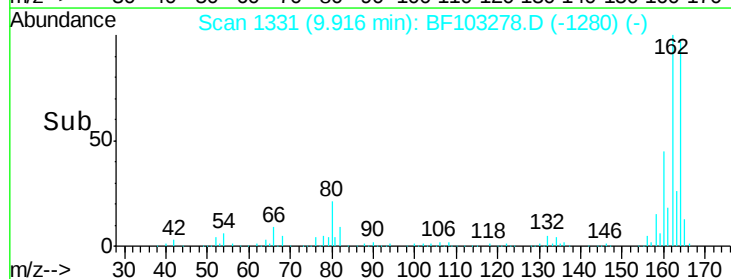
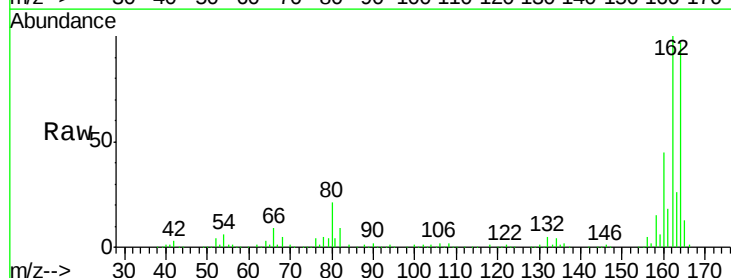
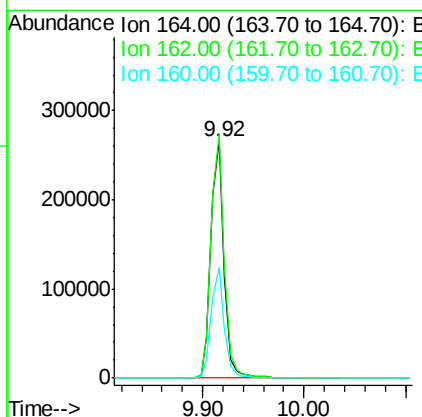
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	240499		
162	102.8		86.1	129.1
160	46.6		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 55.051 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

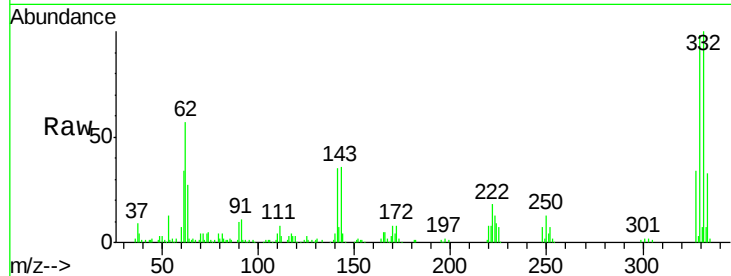
ClientSampleId :

FK-SF-03-003-B

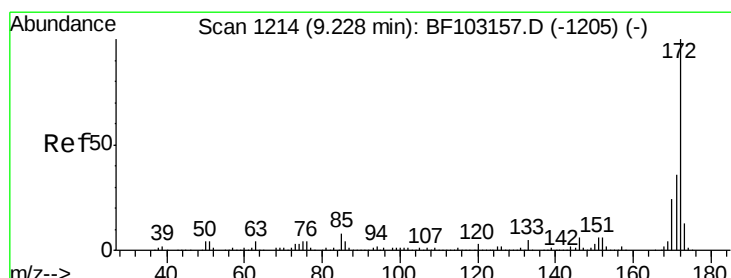
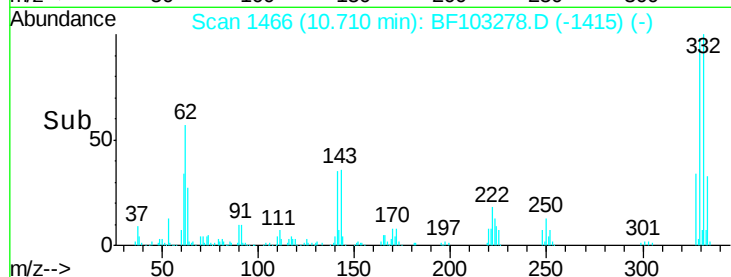
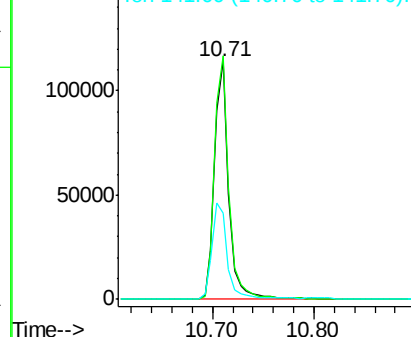
Tot Ion:	330	Resp:	112067
Ion Ratio	Lower	Upper	
330	100		
332	104.1	77.0	115.6
141	44.2	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 57.075 ng

RT: 9.23 min Scan# 1214

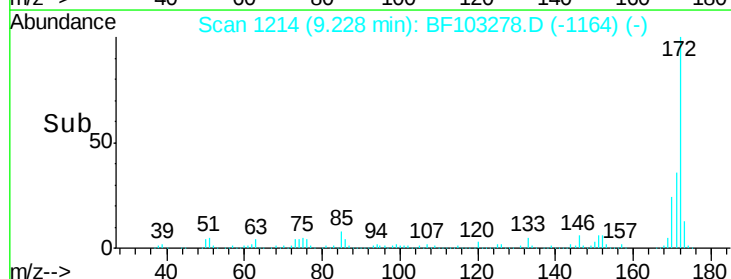
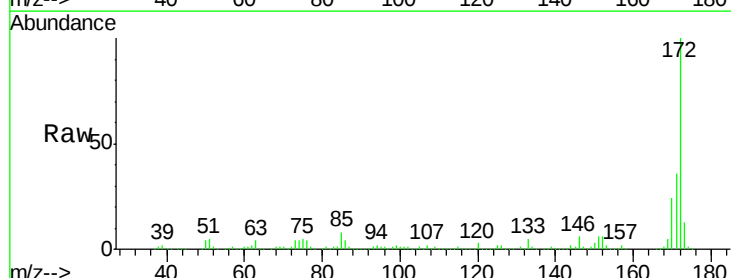
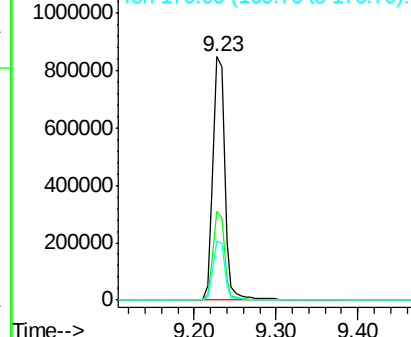
Delta R.T. -0.01 min

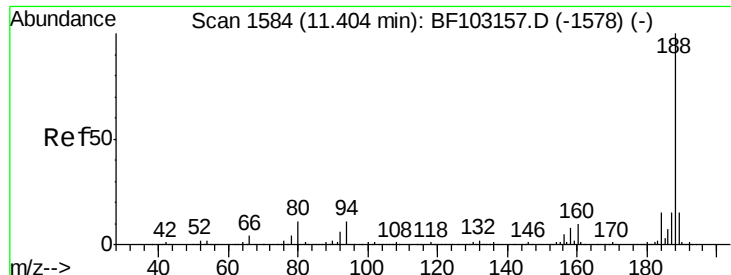
Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Tgt Ion:	172	Resp:	863806
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	24.3	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





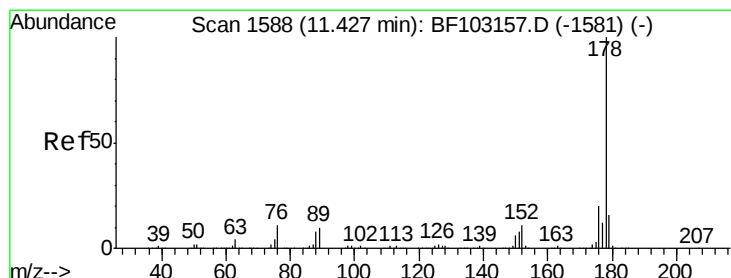
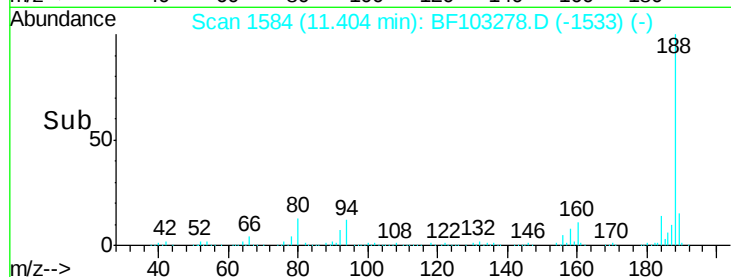
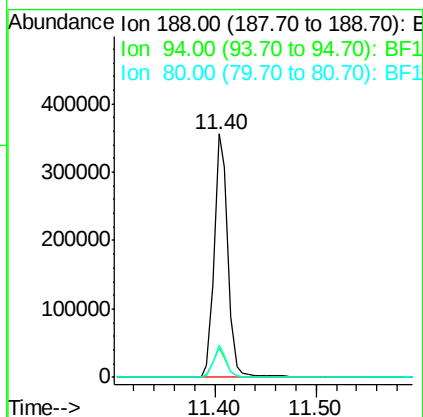
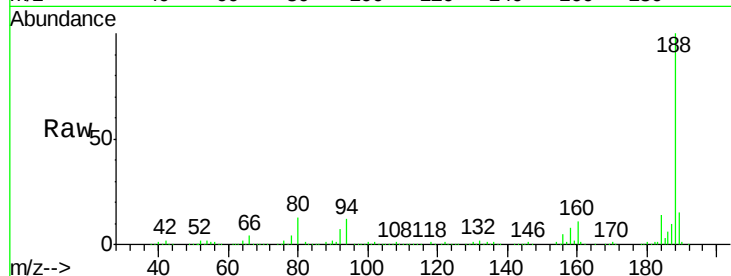
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	333506		
94	12.0		8.5	12.7
80	13.3		9.2	13.8

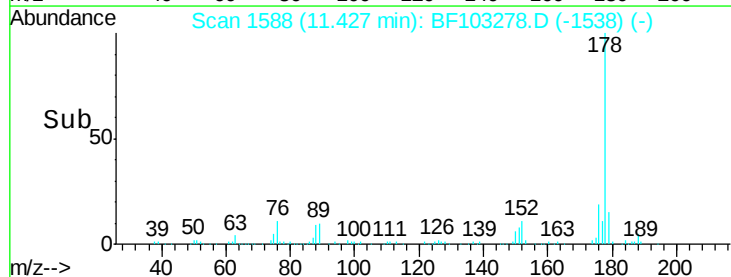
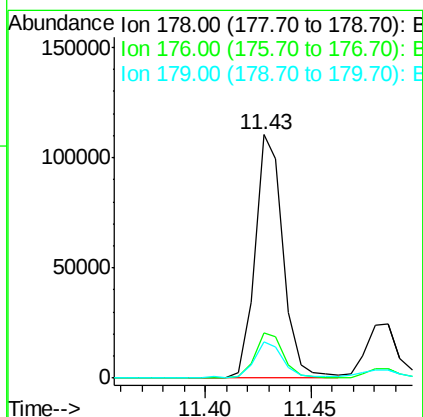
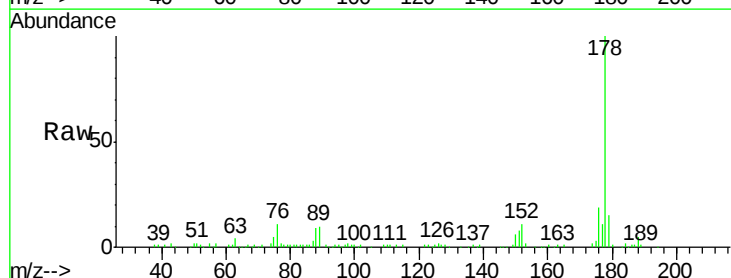
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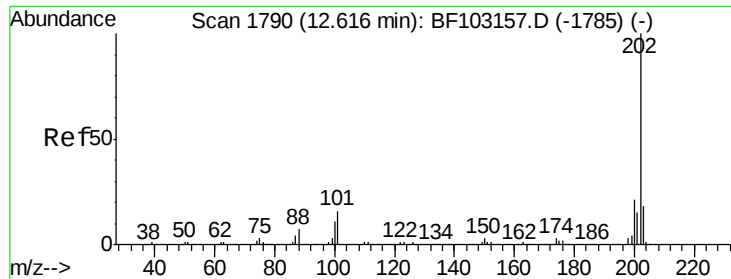
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#70
Phenanthrene
Concen: 5.567 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	102182		
176	18.7		15.8	23.8
179	15.1		13.0	19.6





#74

Fluoranthene

Concen: 7.450 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

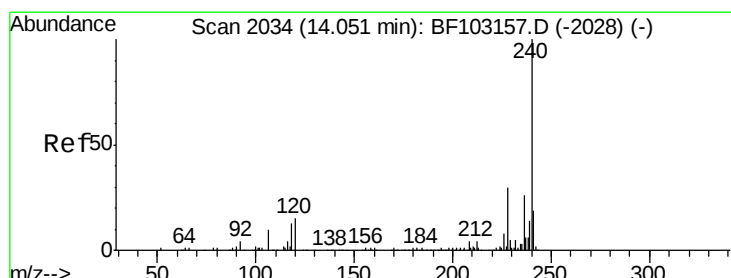
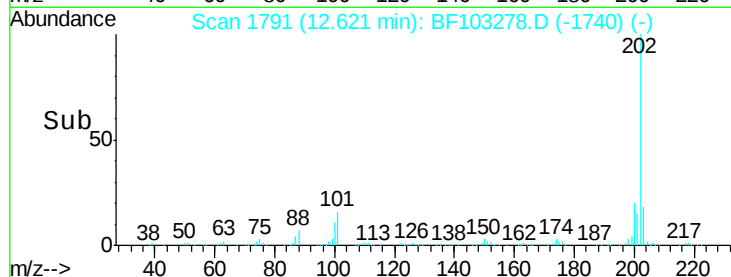
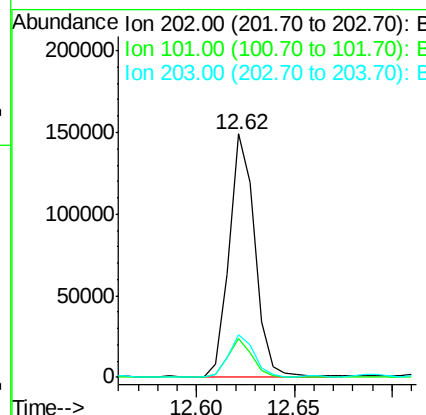
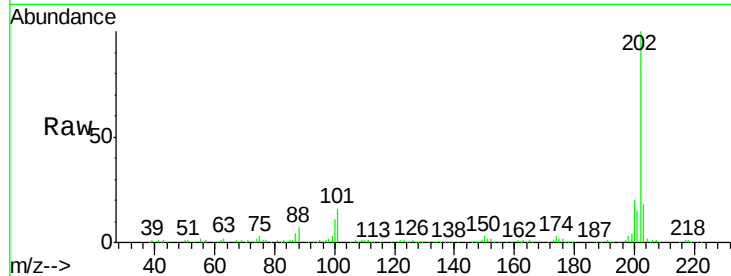
ClientSampleId :

FK-SF-03-003-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		137401		
101	16.0	0.0	34.1		
203	17.7	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

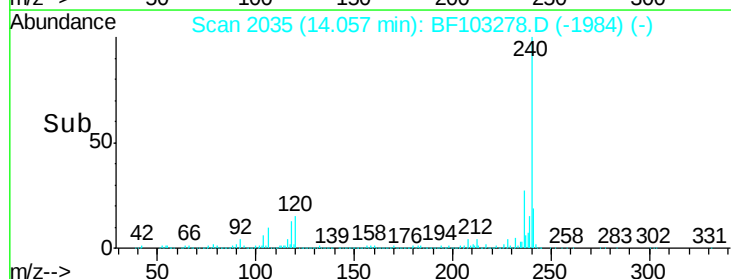
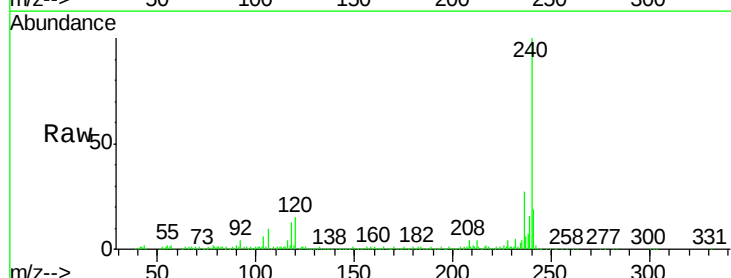
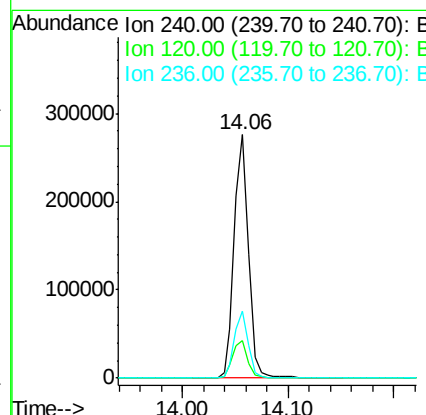
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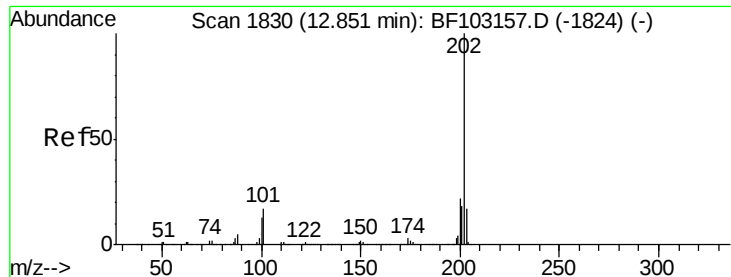
Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		258559		
120	15.2	9.5	14.3#		
236	27.4	20.7	31.1		





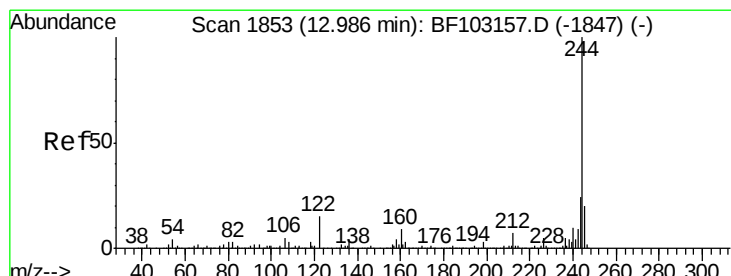
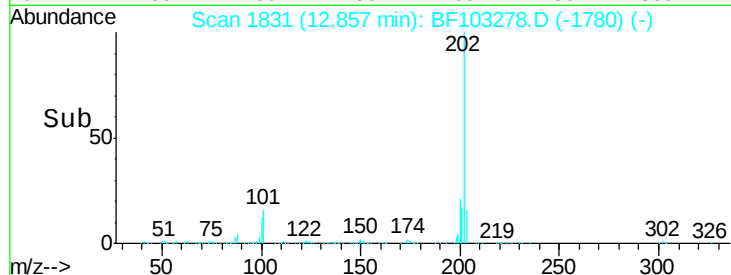
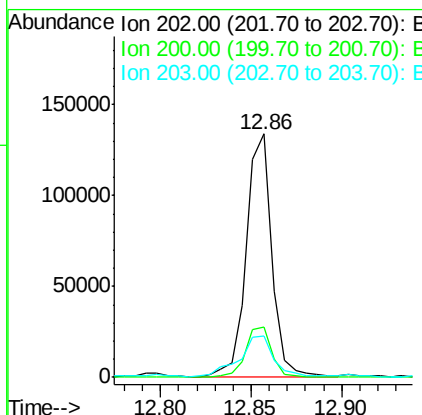
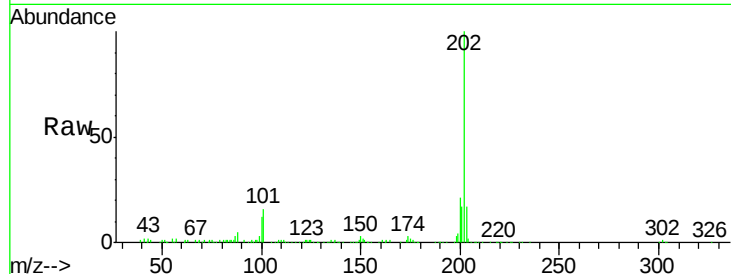
#77
Pvrene
Concen: 6.454 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	16.9	14.3	21.5

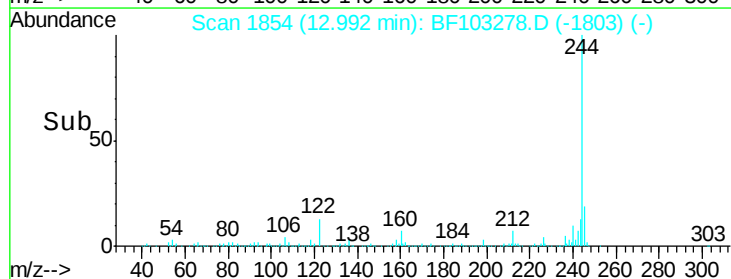
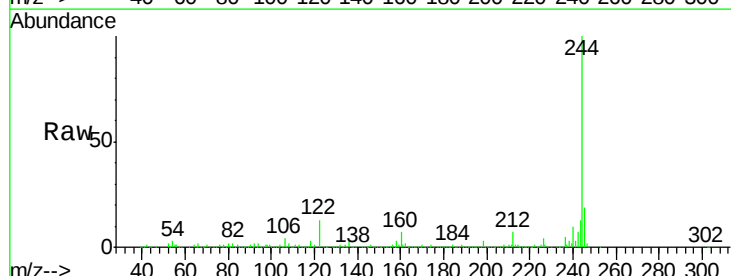
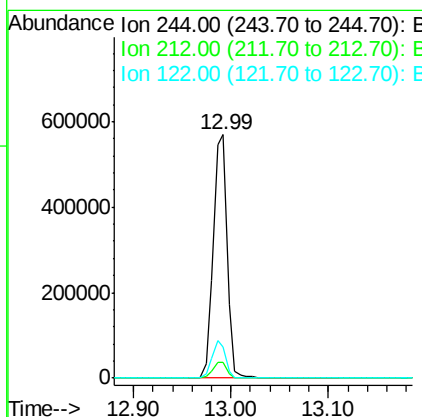
Manual Integrations
APPROVED

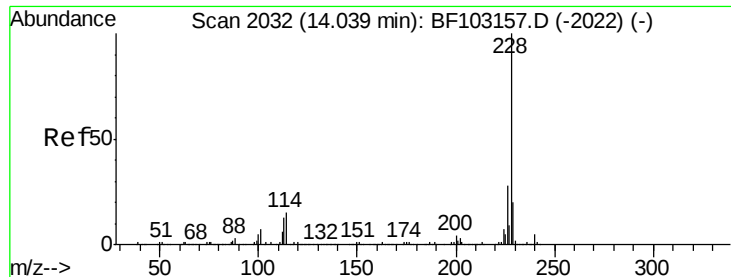
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#78
Terphenyl-d14
Concen: 52.359 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.9	11.0	16.4





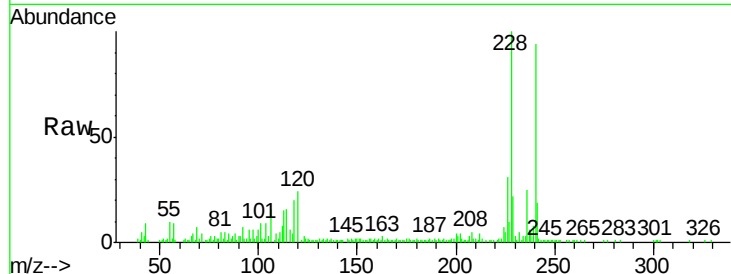
#80
Benzo(a)anthracene
Concen: 3.301 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

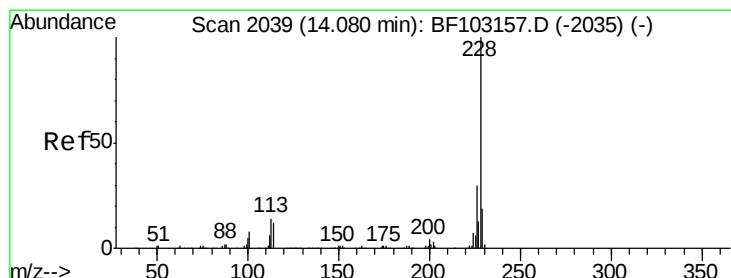
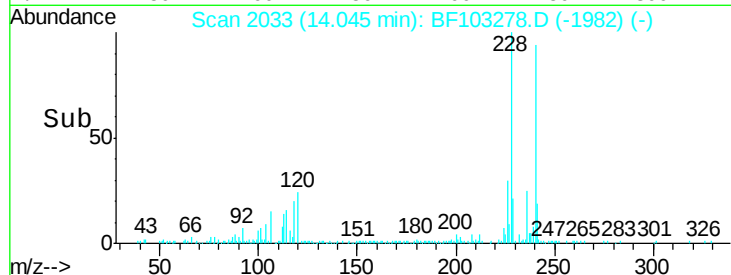
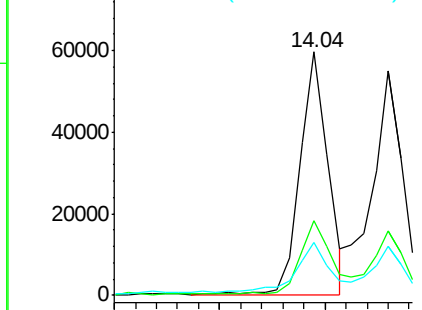
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.7	15.8	23.6

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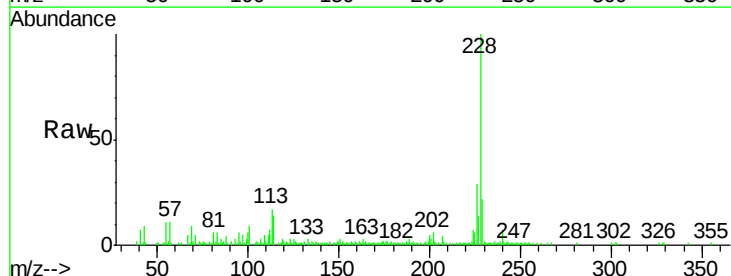


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

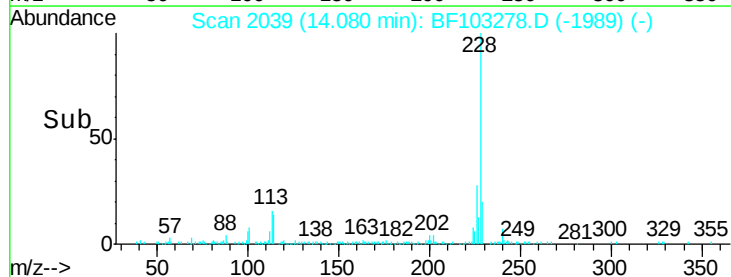
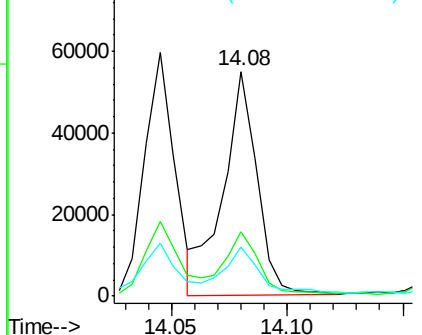


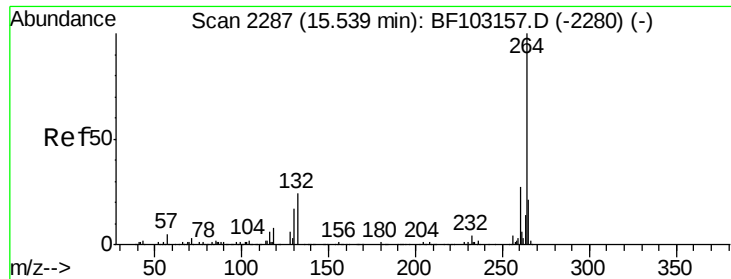
#82
Chrysene
Concen: 3.444 ng m
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.0	16.2	24.4



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





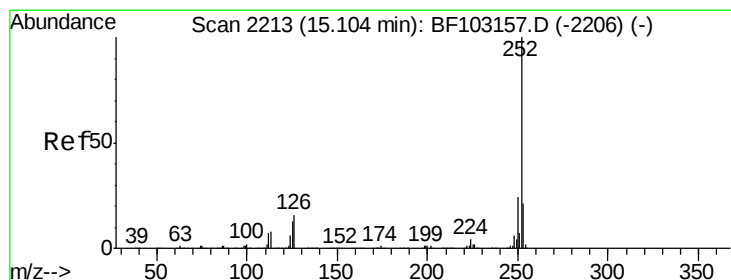
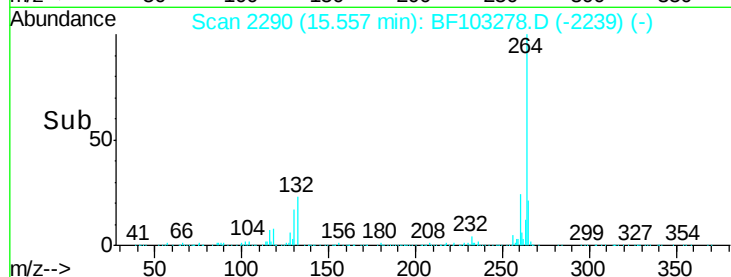
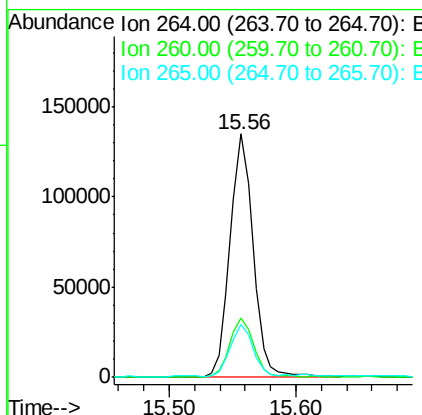
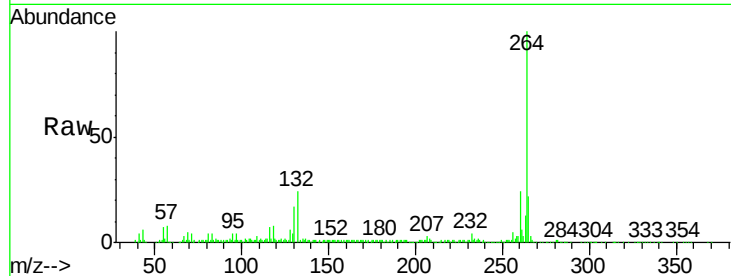
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.6	17.5	26.3

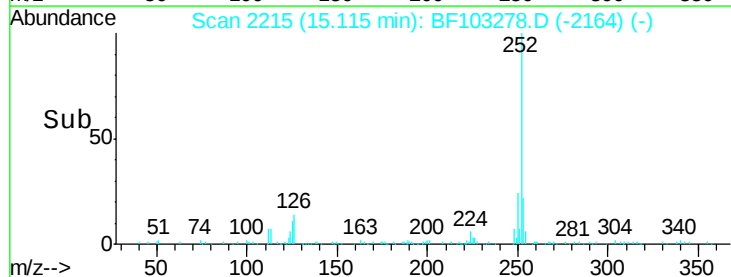
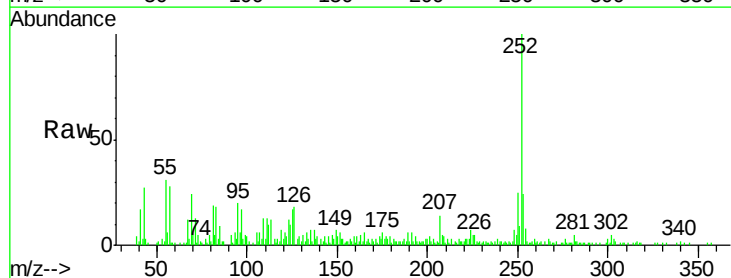
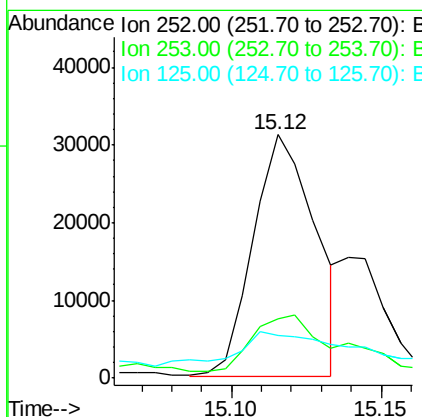
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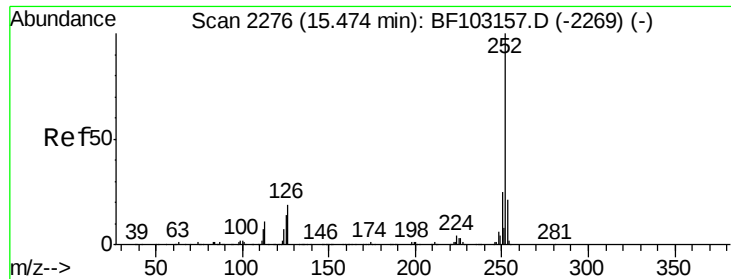
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#87
Benzo(b)fluoranthene
Concen: 4.018 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	17.4	9.0	13.6





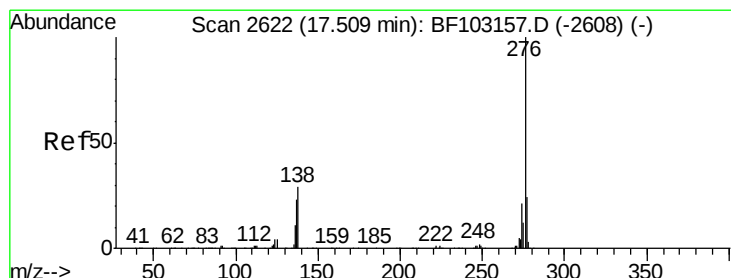
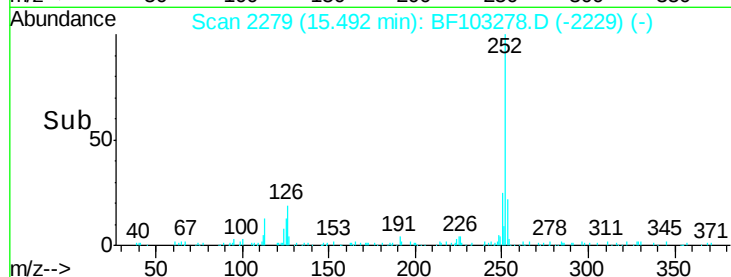
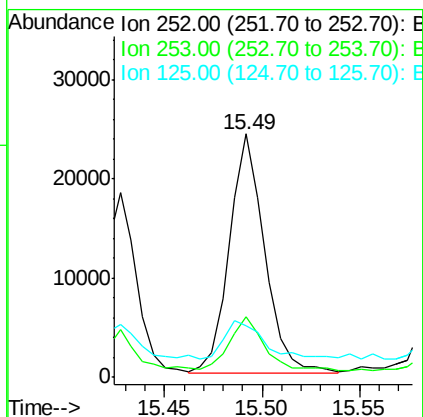
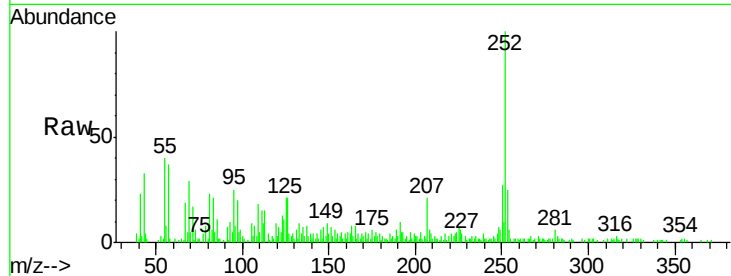
#89
Benzo(a)pyrene
Concen: 2.985 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	21.1	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 2.565 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	34.3	21.8	32.8

