

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110287.D
 Acq On : 30 Oct 2018 2:42
 Operator : JU/SJ
 Sample : J5685-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-26

Manual Integrations
 APPROVED

Sohil
 10/30/2018 3:04:34 PM

Quant Time: Oct 30 09:15:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	104979	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	425009	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	187551	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	308283	20.00	ng	0.00
76) Chrysene-d12	14.16	240	198969	20.00	ng	0.00
87) Perylene-d12	15.69	264	161803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	574847	89.17	ng	0.00
7) Phenol-d6	6.59	99	727041	88.17	ng	0.00
23) Nitrobenzene-d5	7.53	82	449157	62.68	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	139466	75.07	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	807356	67.60	ng	0.00
79) Terphenyl-d14	13.09	244	596544	62.35	ng	0.00
Target Compounds						
10) Phenol	6.60	94	50254	5.702	ng	Qvalue # 70
31) Naphthalene	8.27	128	56922	2.906	ng	97
50) Dimethylphthalate	9.72	163	141973	10.255	ng	100
71) Phenanthrene	11.53	178	193700	12.008	ng	99
72) Anthracene	11.59	178	54095	3.346	ng	98
75) Fluoranthene	12.73	202	269514	16.463	ng	98
78) Pyrene	12.96	202	233762	16.388	ng	98
81) Benzo(a)anthracene	14.15	228	119870	10.159	ng	98
83) Chrysene	14.19	228	101320	9.041	ng	97
86) Indeno(1,2,3-cd)pyrene	17.27	276	42196	4.539	ng	97
88) Benzo(b)fluoranthene	15.23	252	130323m	13.948	ng	
89) Benzo(k)fluoranthene	15.26	252	32224m	3.508	ng	
90) Benzo(a)pyrene	15.63	252	83259	9.684	ng	# 97
92) Benzo(a,h,i)perylene	17.75	276	39850	5.451	ng	95

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

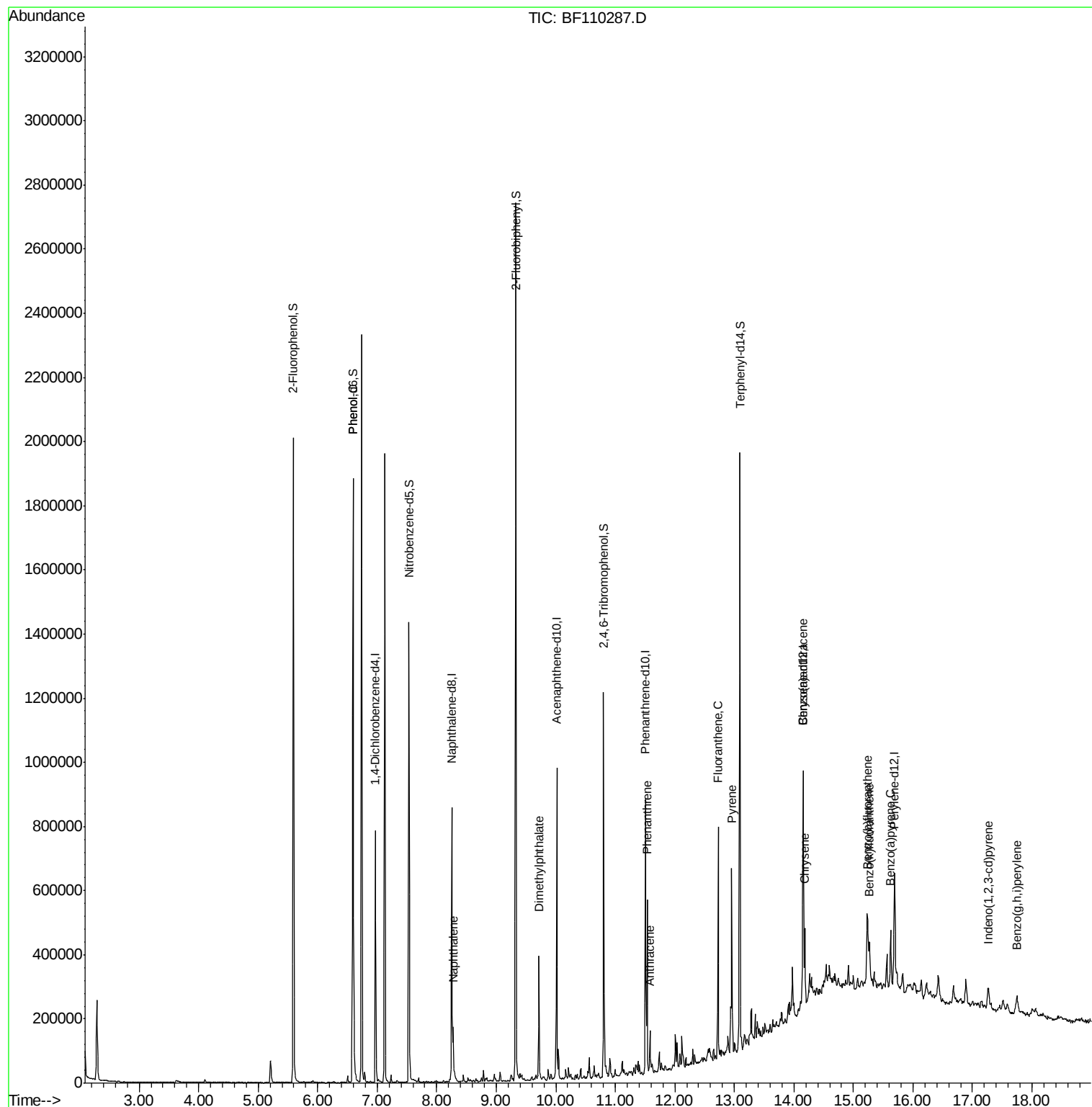
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110287.D
Acq On : 30 Oct 2018 2:42
Operator : JU/SJ
Sample : J5685-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

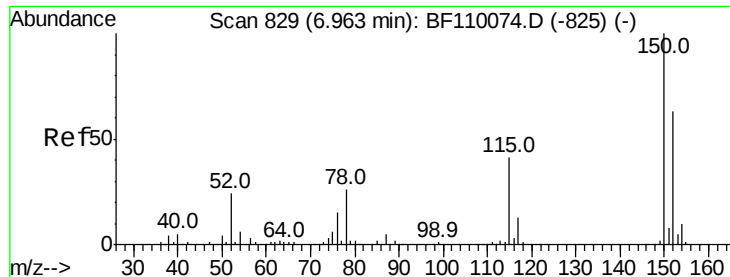
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

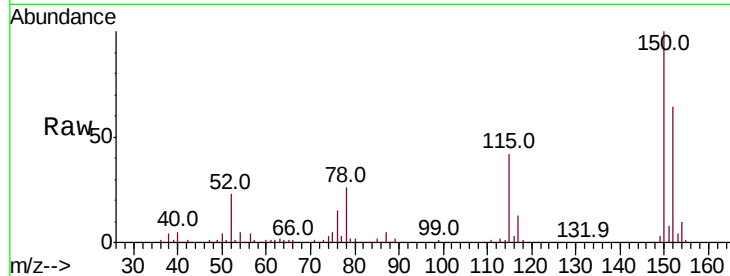
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	122.7	184.1
115	66.0	49.1	73.7

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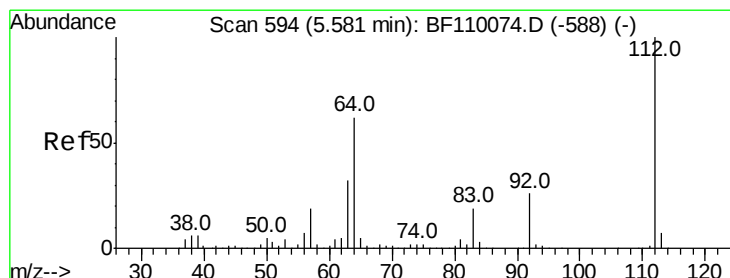
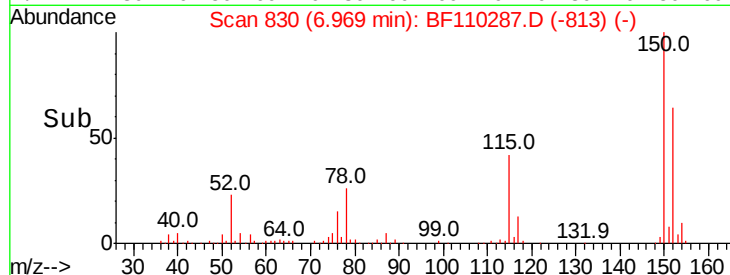
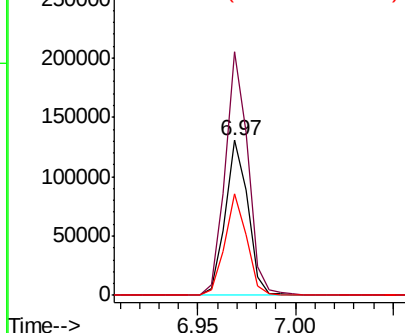


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

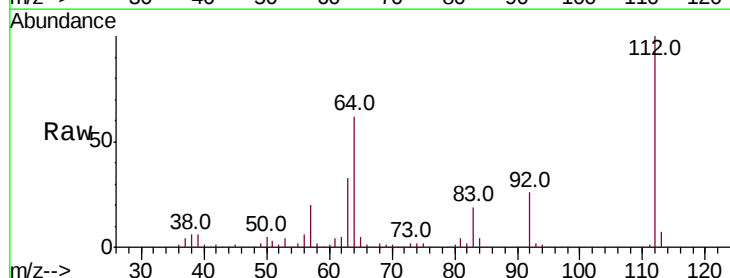
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.171 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	44.1	66.1
63	32.8	23.7	35.5

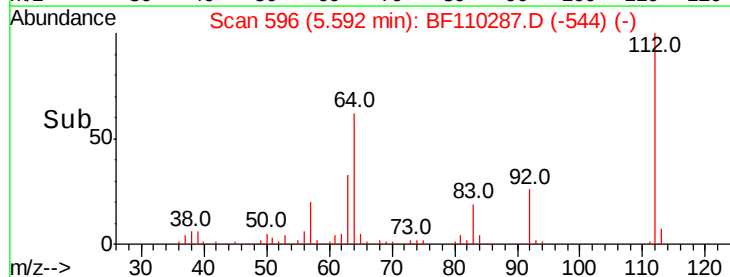
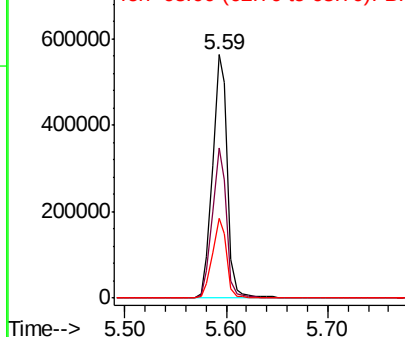


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.173 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Instrument :

BNA_F

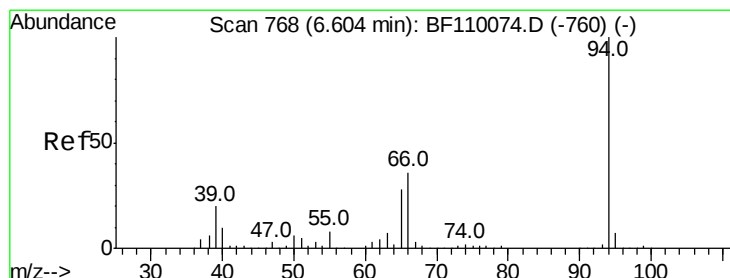
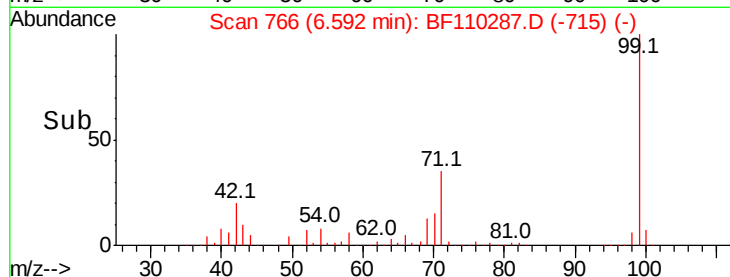
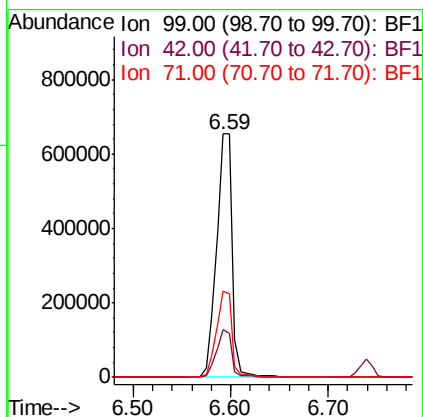
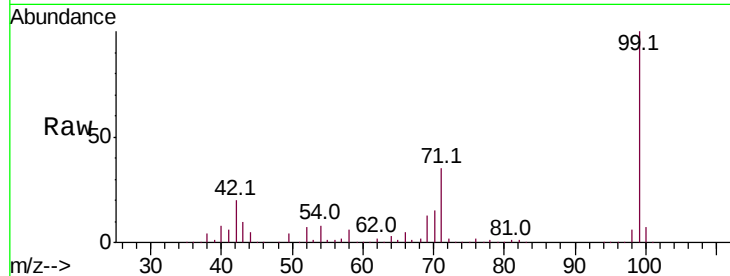
ClientSampleId :

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Tot Ion:	99	Resp:	727041
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.8	23.6
71	35.2	28.0	42.0

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#10

Phenol

Concen: 5.702 ng

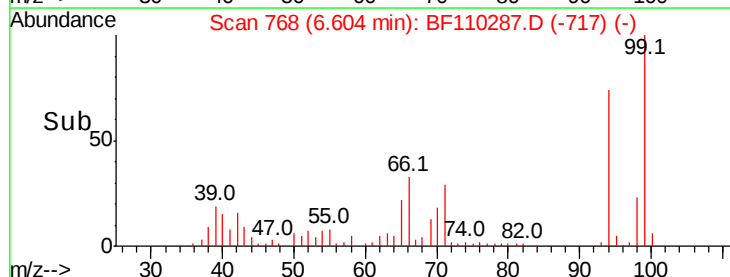
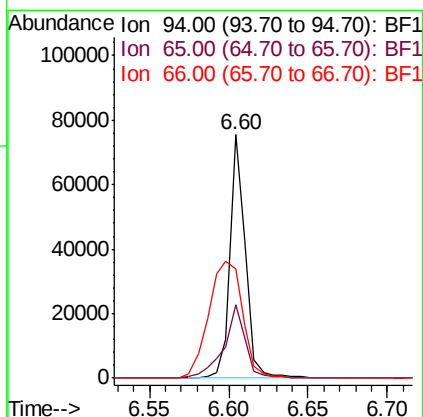
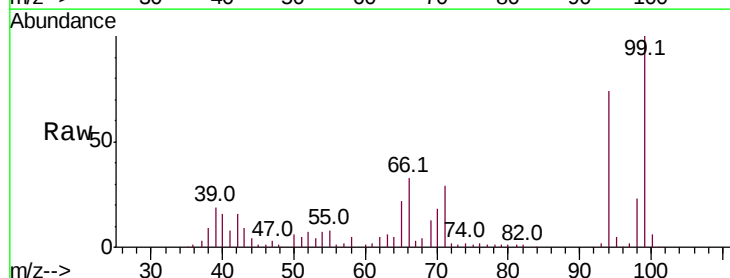
RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Tgt Ion:	94	Resp:	50254
Ion Ratio	Lower	Upper	
94	100		
65	30.2	25.3	65.3
66	45.1	54.5	94.5#





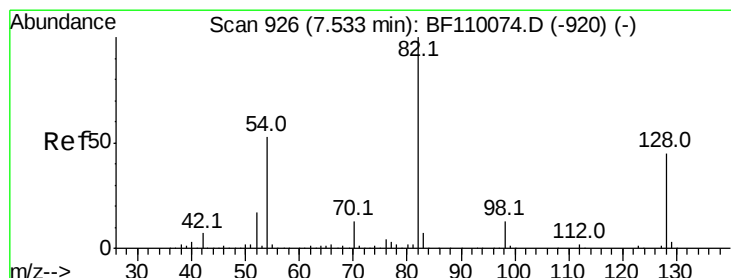
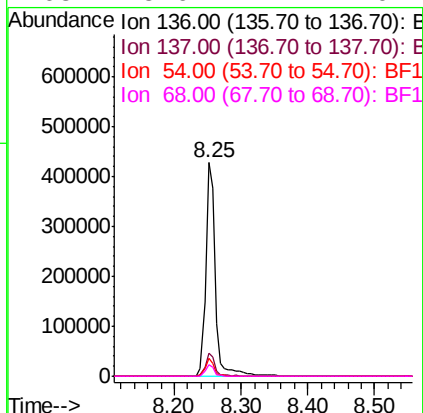
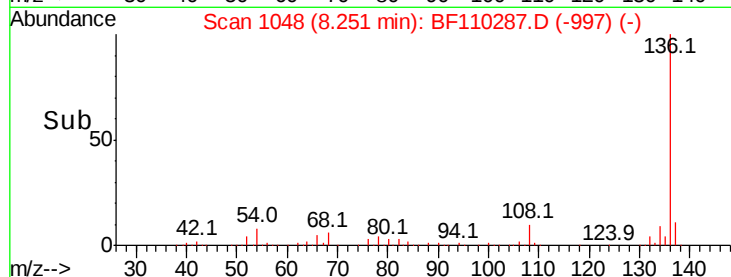
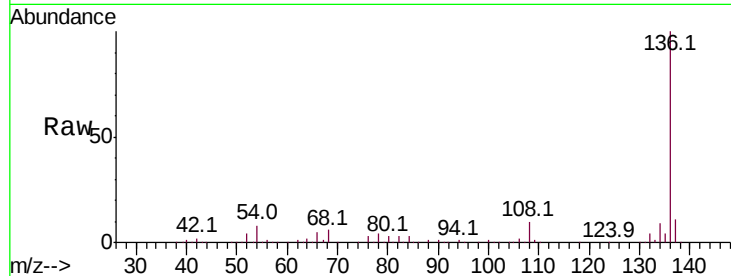
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.8	13.2	
54	8.4	5.4	8.2	
68	5.6	4.2	6.2	

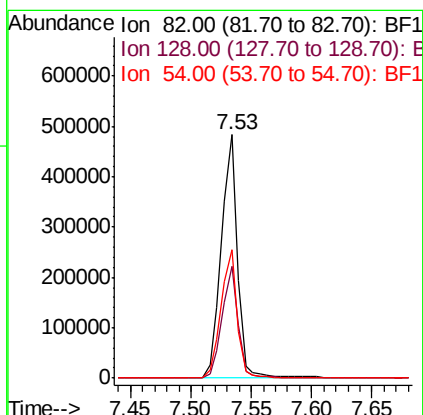
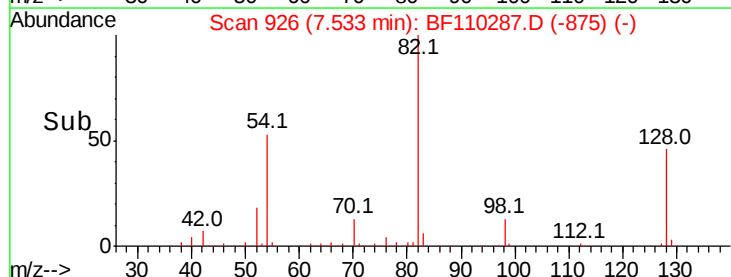
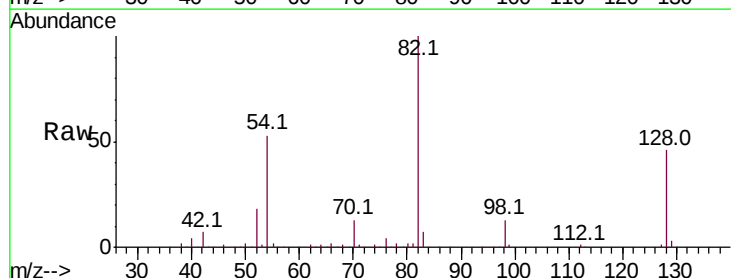
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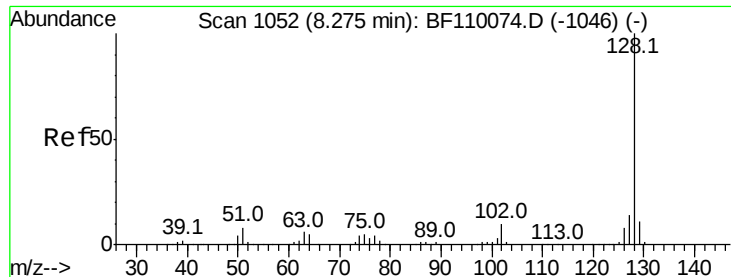
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#23
Nitrobenzene-d5
Concen: 62.683 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	34.2	51.2	
54	52.9	38.6	58.0	





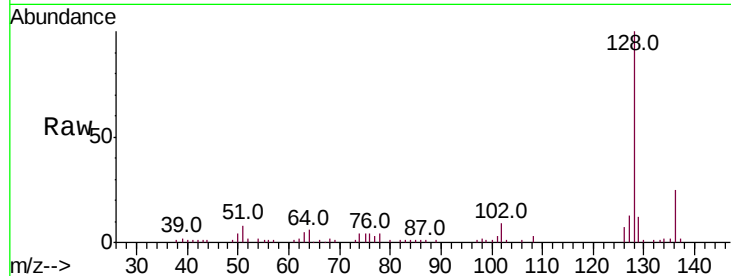
#31
Naphthalene
Concen: 2.906 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Resp	Lower	Upper
128	100	56922		
129	12.0		8.8	13.2
127	12.5		10.8	16.2

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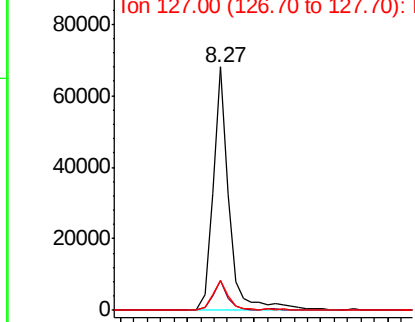


Abundance

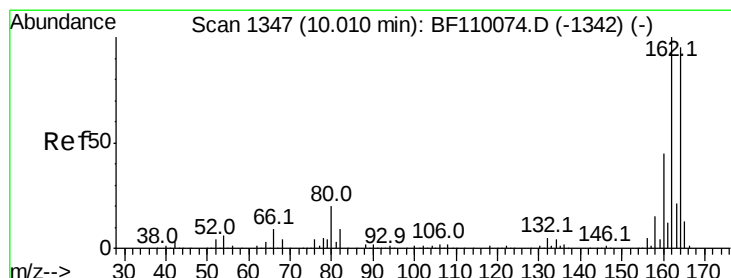
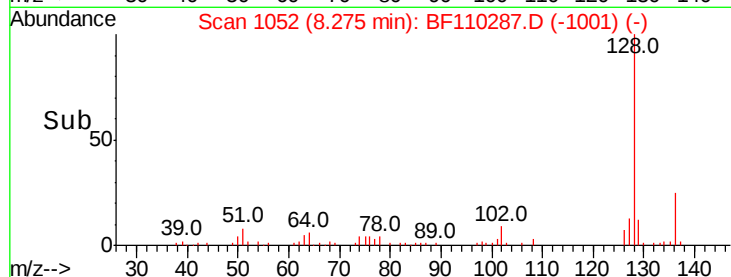
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

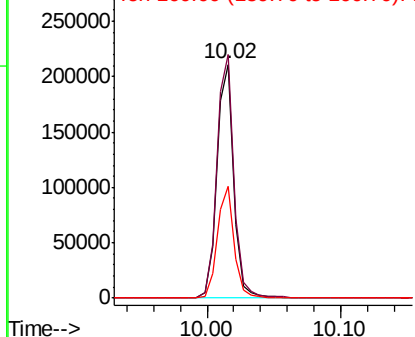
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187551		
162	104.1		83.0	124.6
160	47.6		37.0	55.6

Abundance

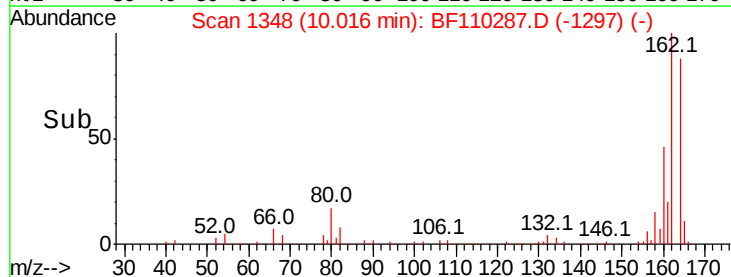
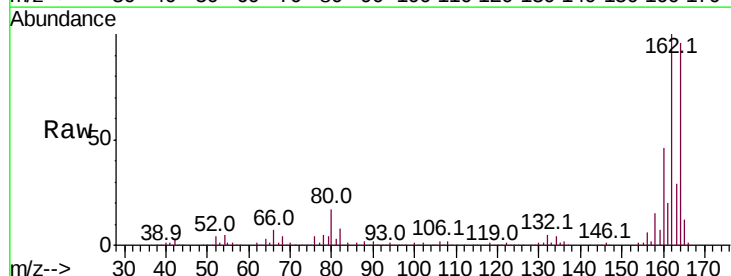
Ion 164.00 (163.70 to 164.70): E

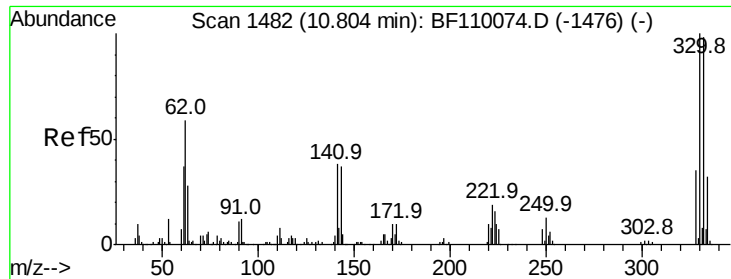
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->





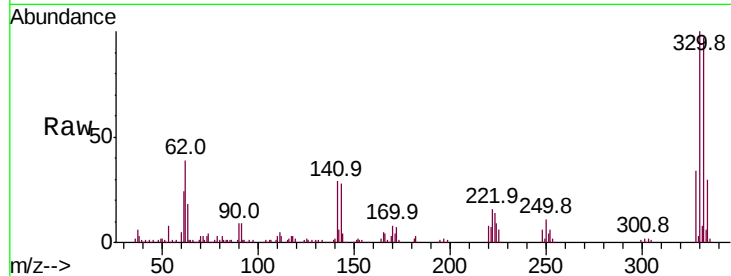
#42
 2,4,6-Tribromophenol
 Concen: 75.070 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF110287.D
 Acq: 30 Oct 2018 2:42

Instrument :
 BNA_F
 ClientSampleId :
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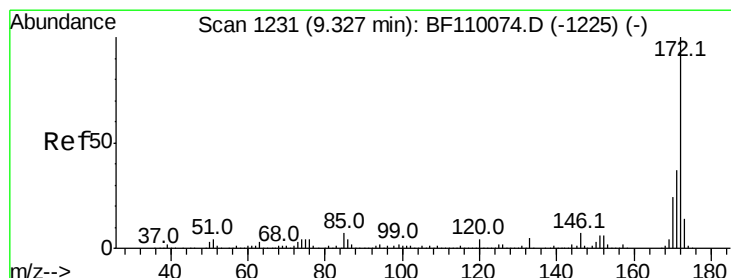
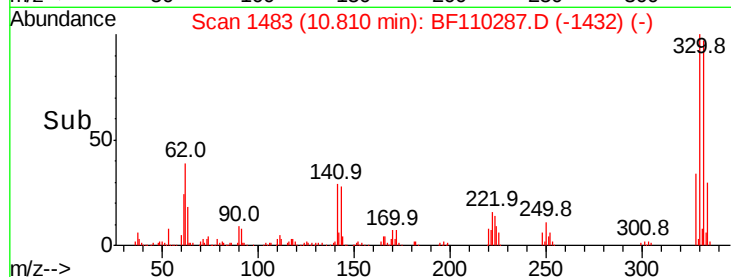
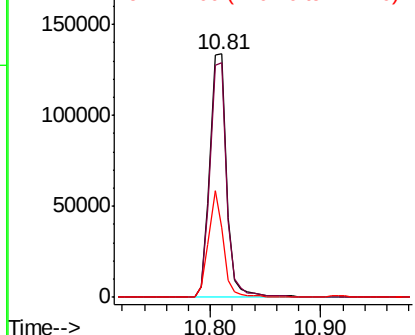
Tot Ion	Ratio	Resp	Lower	Upper
330	100	139466		
332	95.7	77.1	115.7	
141	38.4	27.0	40.4	

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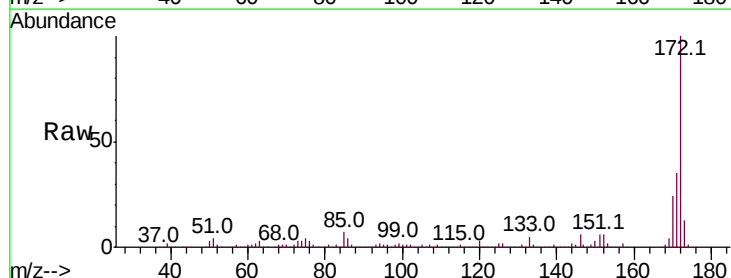


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

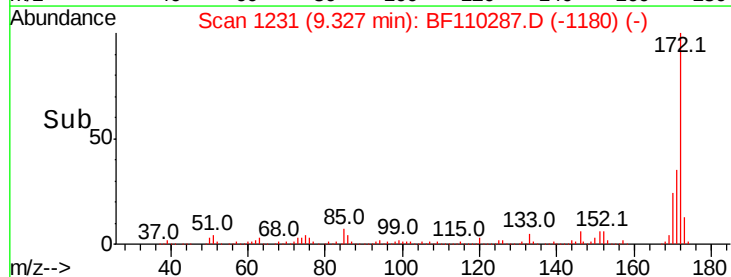
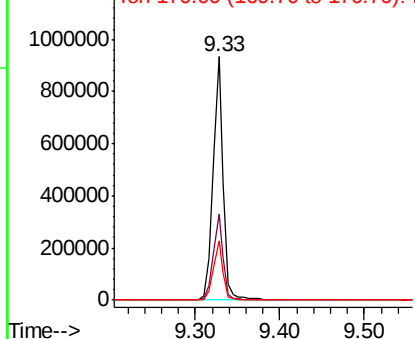


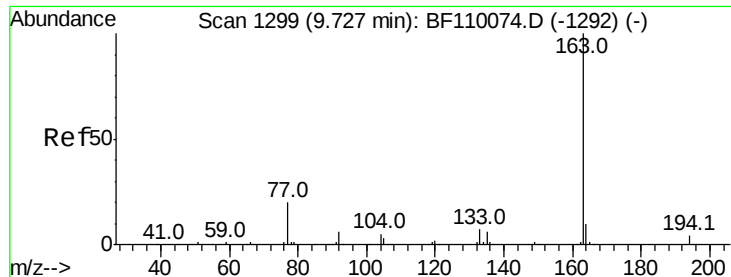
#45
 2-Fluorobiphenyl
 Concen: 67.595 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF110287.D
 Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	807356		
171	35.2	28.6	43.0	
170	24.1	19.7	29.5	



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





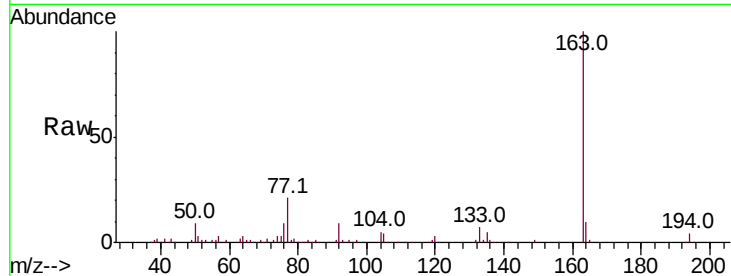
#50
Dimethylphthalate
Concen: 10.255 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	141973		
194	3.7		3.2	4.8
164	10.1		8.1	12.1

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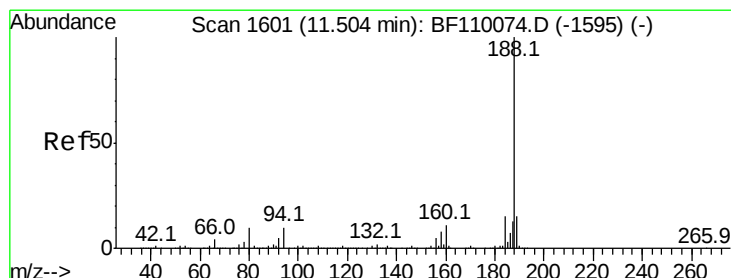
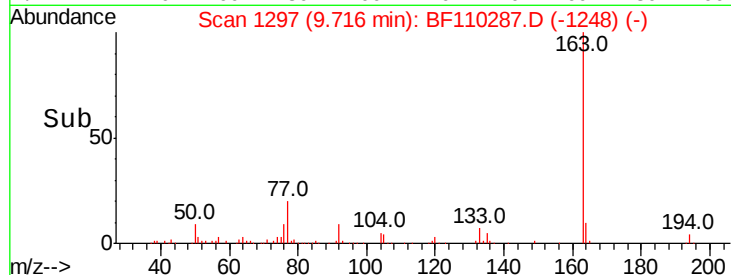
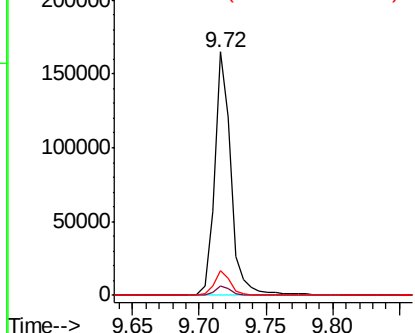


Abundance

Ion 163.00 (162.70 to 163.70): E

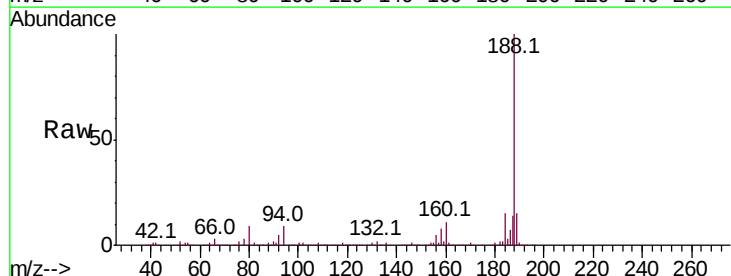
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	308283		
94	8.5		7.2	10.8
80	8.8		7.9	11.9

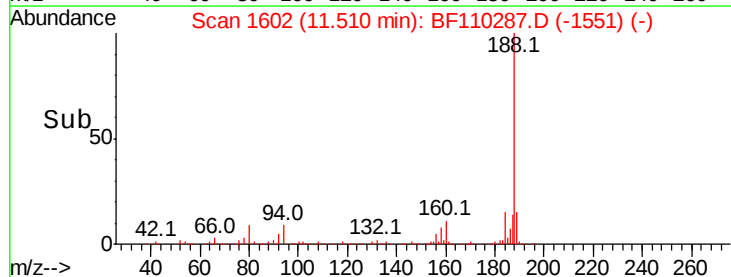
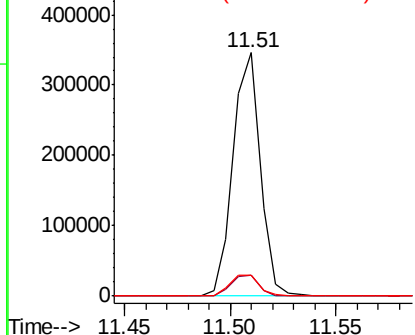


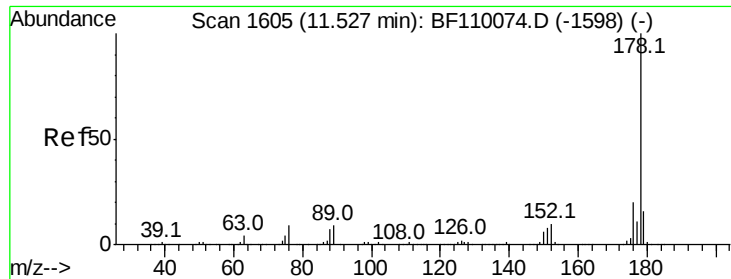
Abundance

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





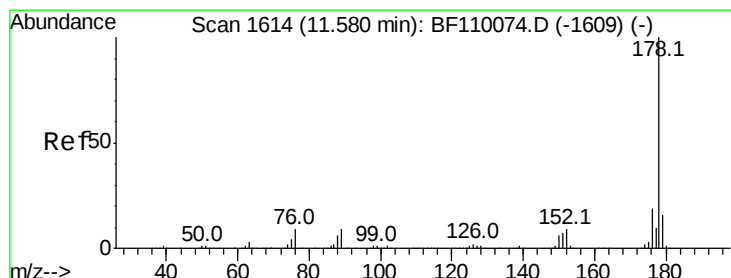
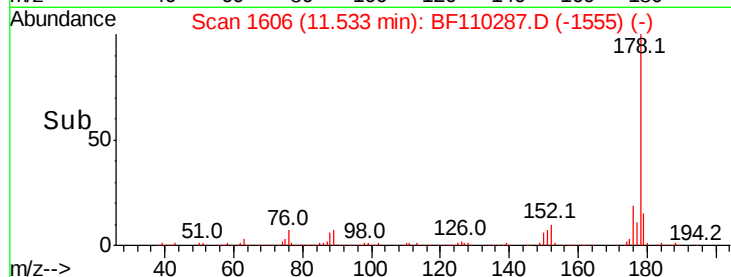
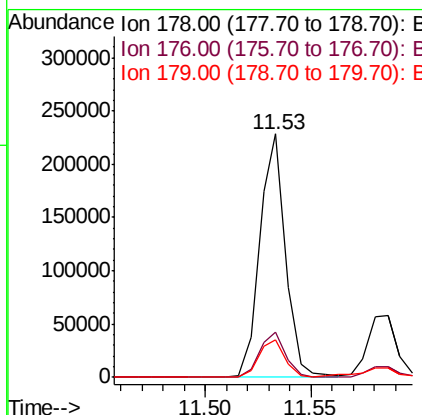
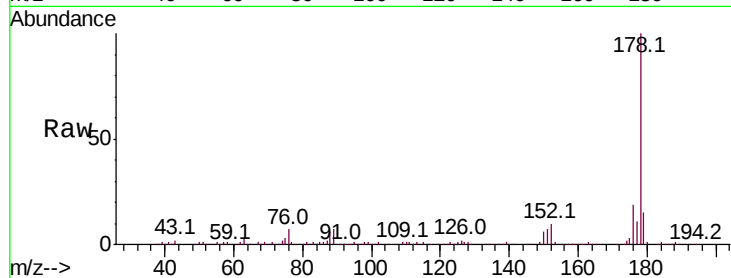
#71
Phenanthrene
Concen: 12.008 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.4	12.5	18.7

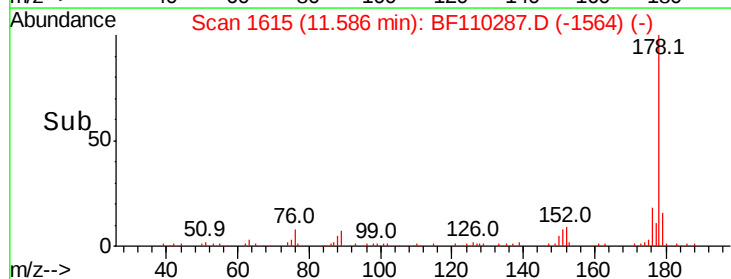
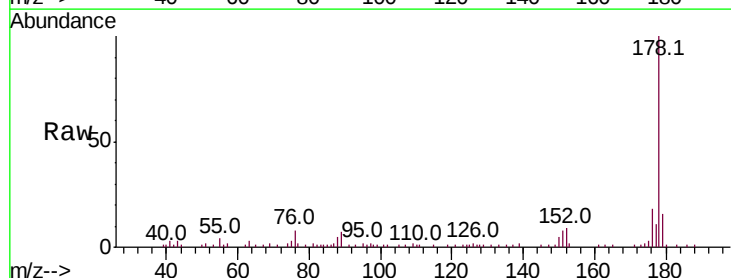
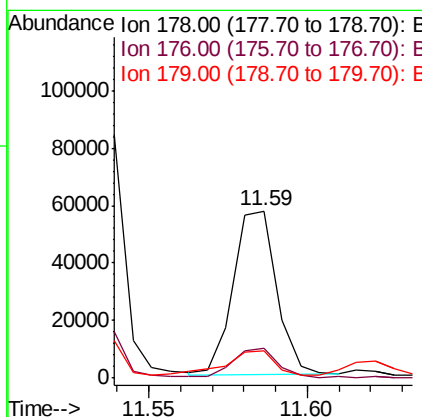
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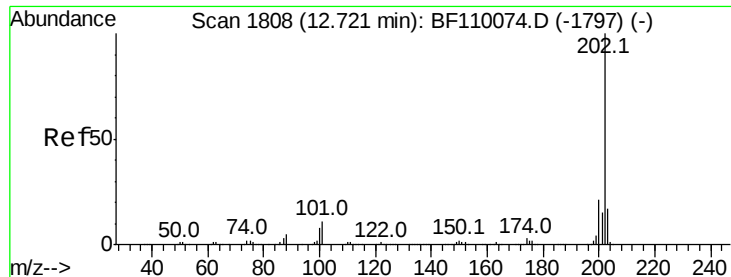
Sohil
10/30/2018 3:04:34 PM



#72
Anthracene
Concen: 3.346 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	16.1	12.6	18.8





#75

Fluoranthene

Concen: 16.463 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Instrument :

BNA_F

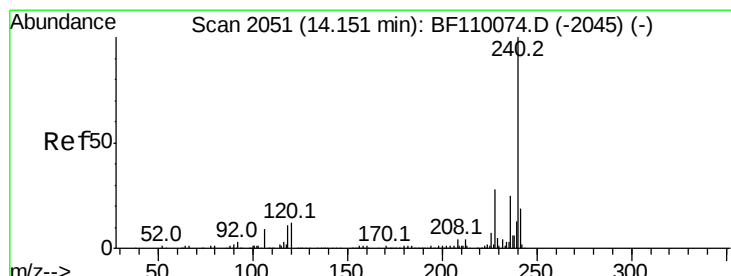
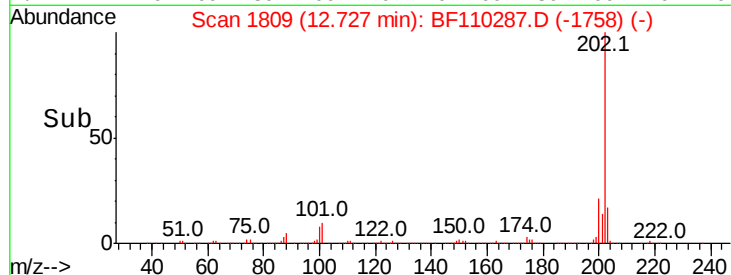
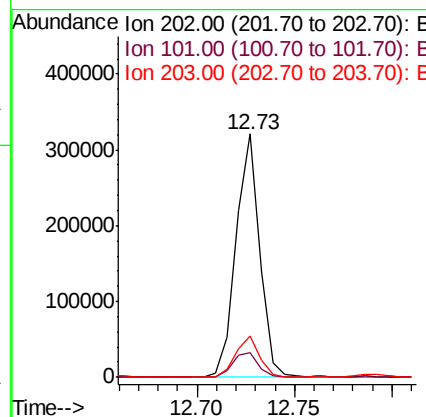
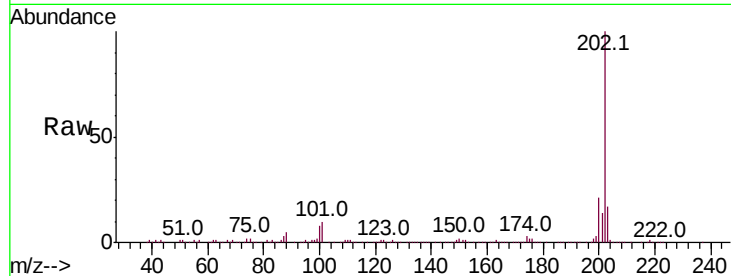
ClientSampleId :

DOCUMENTATION-26

Tot Ion:	202	Resp:	269514
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.4
203	17.0	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

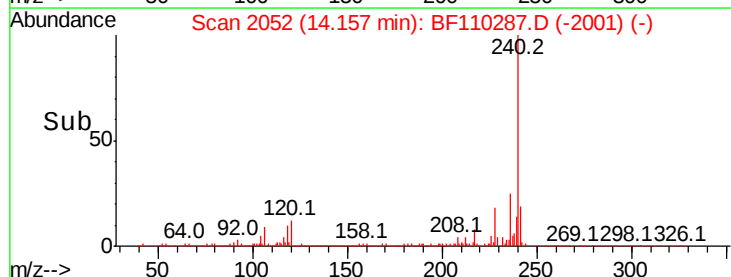
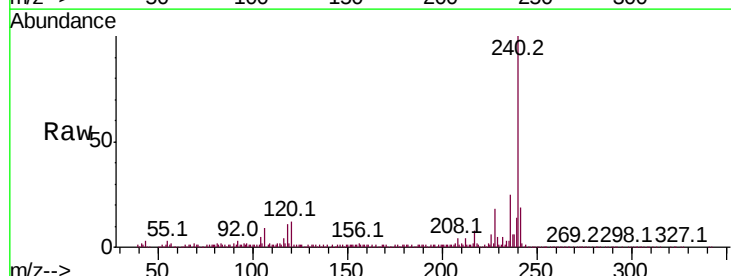
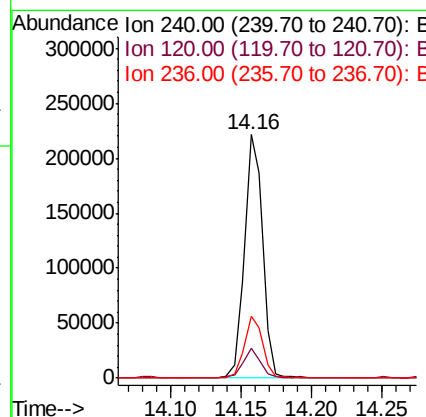
RT: 14.16 min Scan# 2052

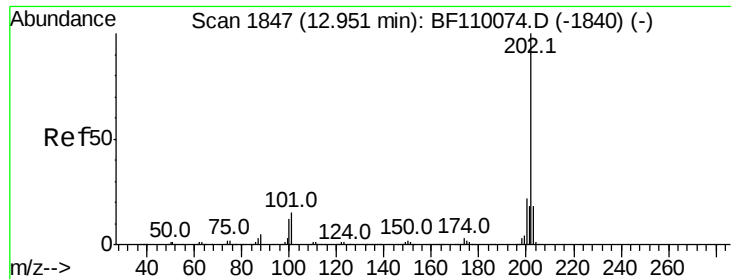
Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Tgt Ion:	240	Resp:	198969
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.3	12.5
236	25.4	21.2	31.8





#78

Pvrene

Concen: 16.388 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Instrument :

BNA_F

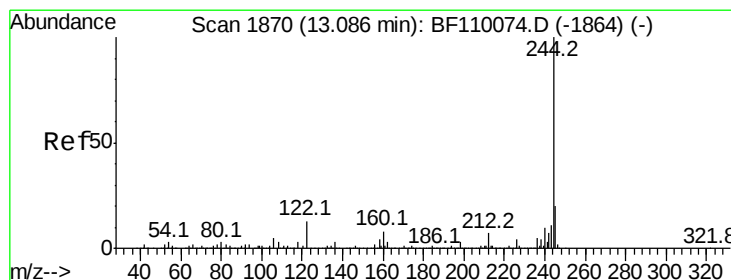
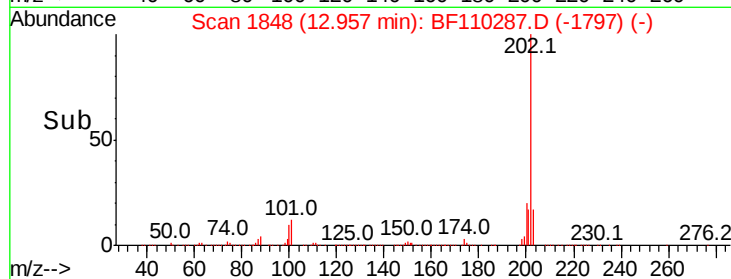
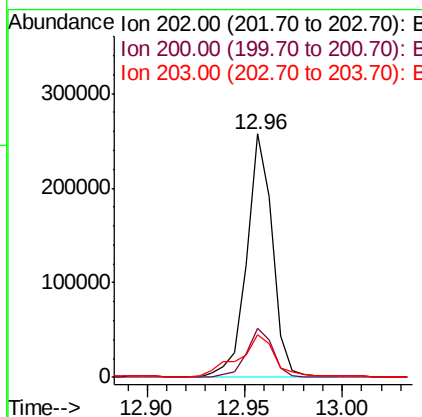
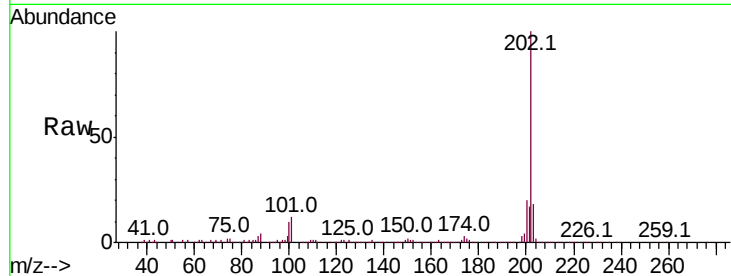
ClientSampleId :

DOCUMENTATION-26

Tot Ion:	202	Resp:	233762
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.8	26.6
203	17.6	14.2	21.4

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#79

Terphenyl-d14

Concen: 62.353 ng

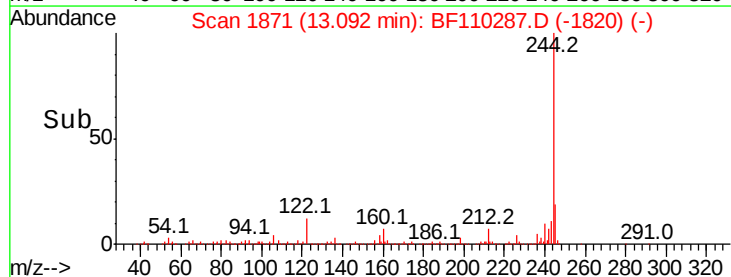
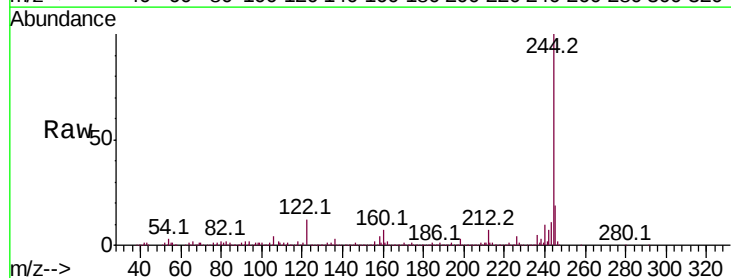
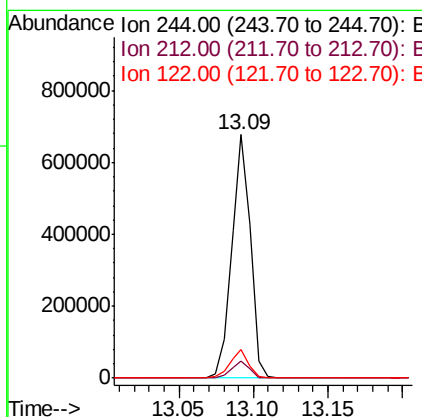
RT: 13.09 min Scan# 1871

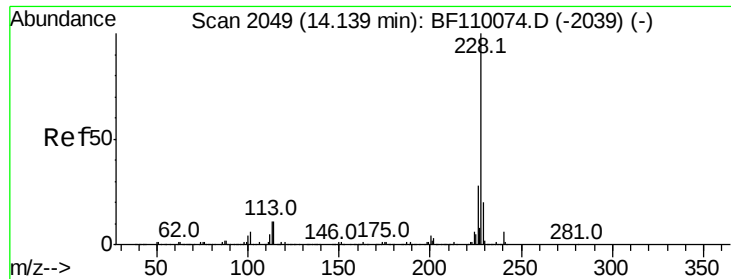
Delta R.T. -0.00 min

Lab File: BF110287.D

Acq: 30 Oct 2018 2:42

Tgt Ion:	244	Resp:	596544
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	11.7	8.7	13.1





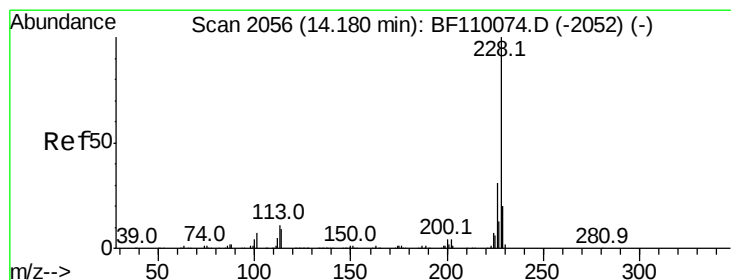
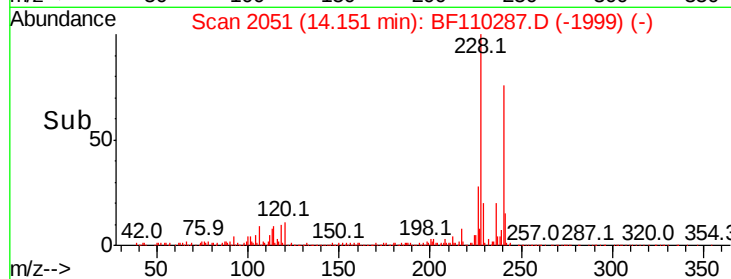
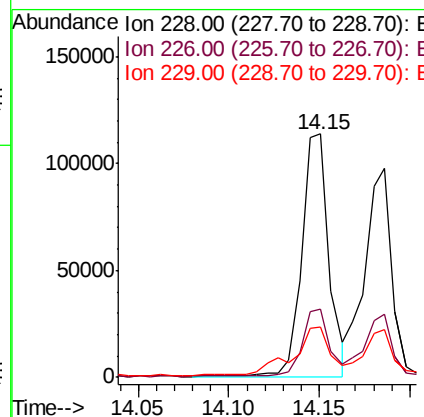
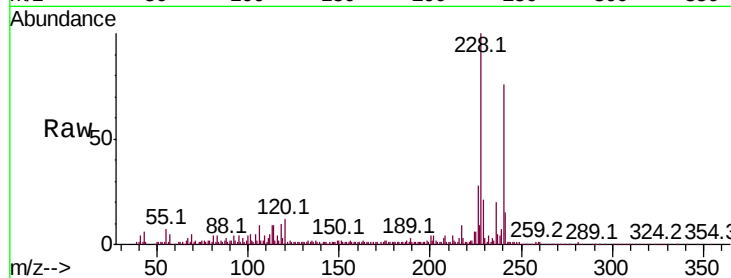
#81
Benzo(a)anthracene
Concen: 10.159 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	28.0	22.1	33.1		
229	20.9	15.6	23.4		

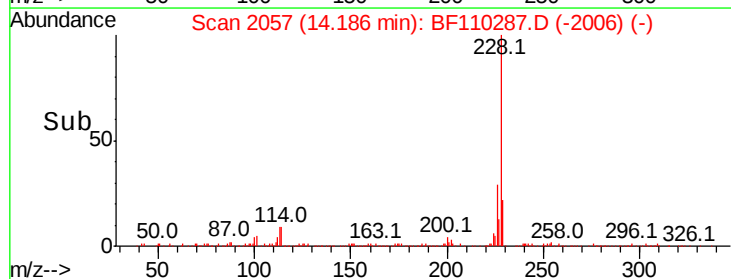
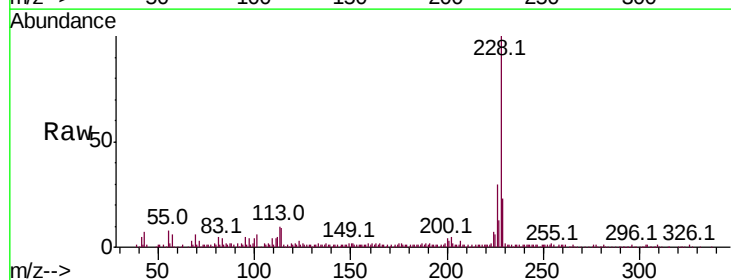
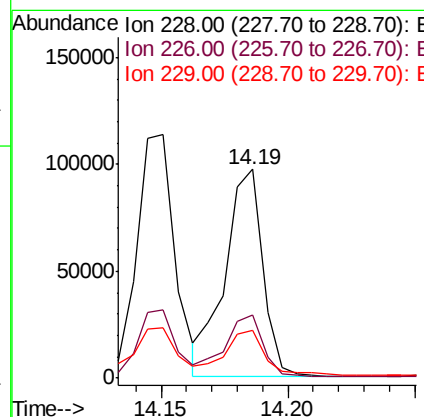
Manual Integrations
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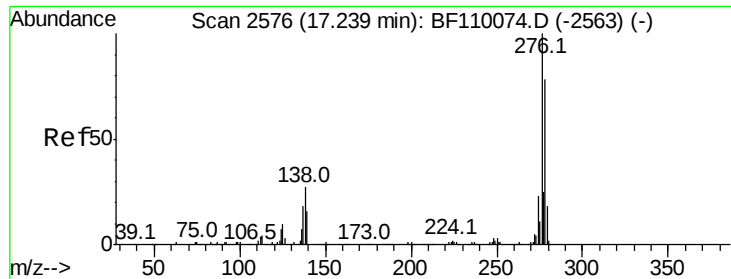
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#83
Chrysene
Concen: 9.041 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.4	24.7	37.1		
229	22.7	15.9	23.9		





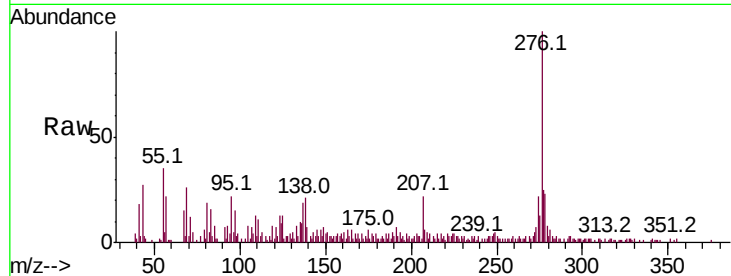
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.539 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.5	27.7
277	27.8	20.0	30.0

Manual Integrations
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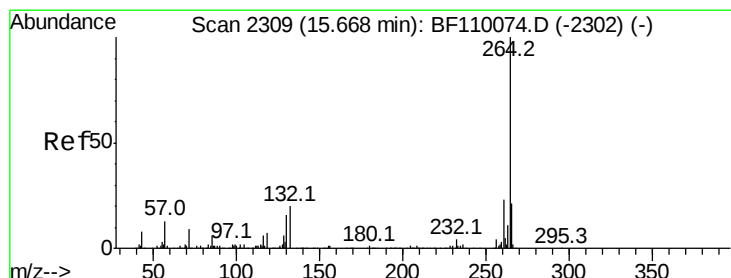
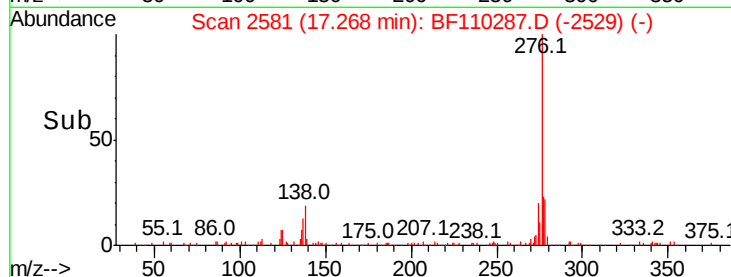
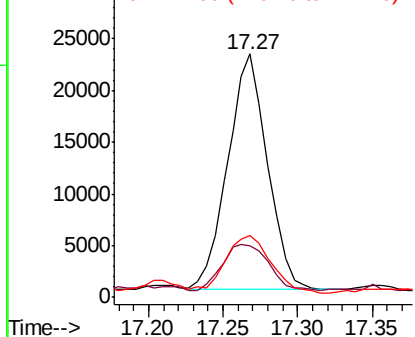


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

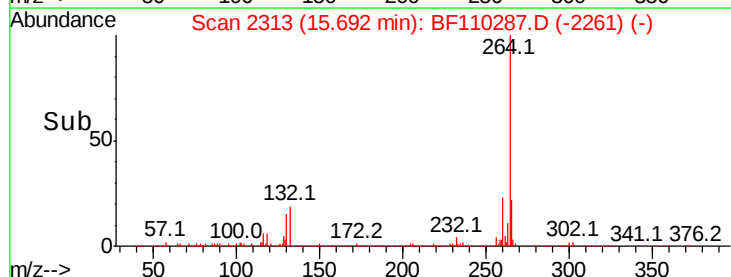
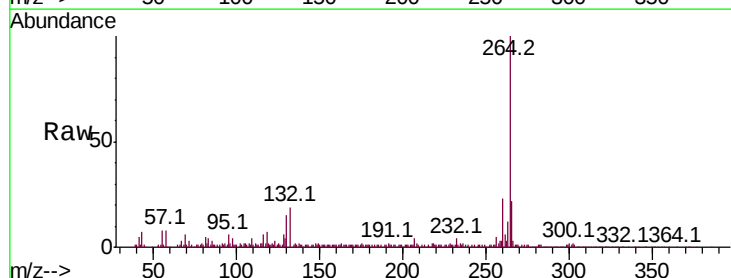
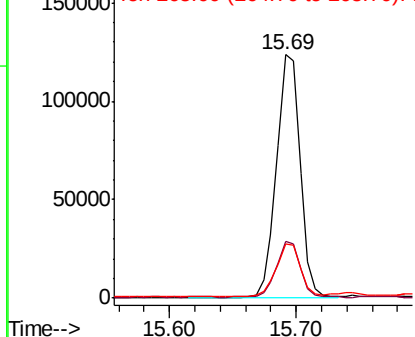
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.2	16.7	25.1

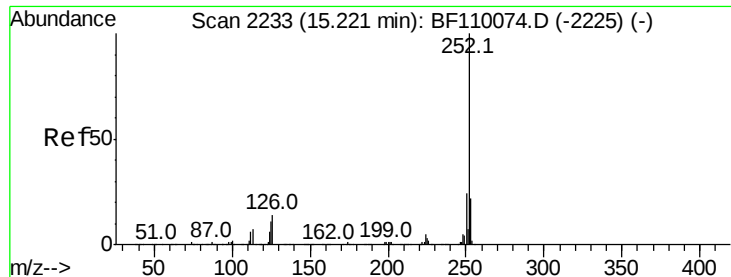
Abundance

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





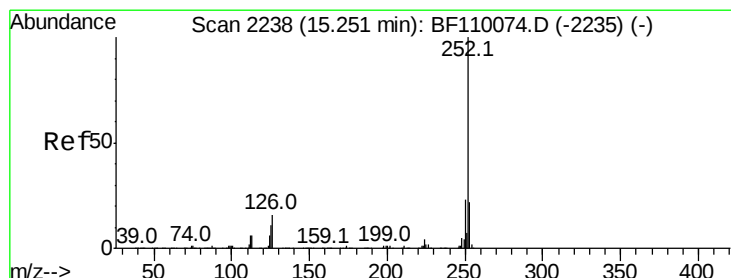
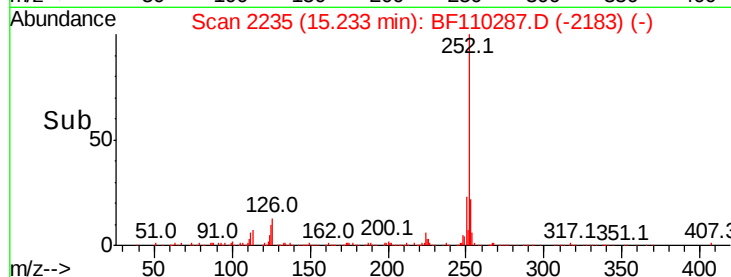
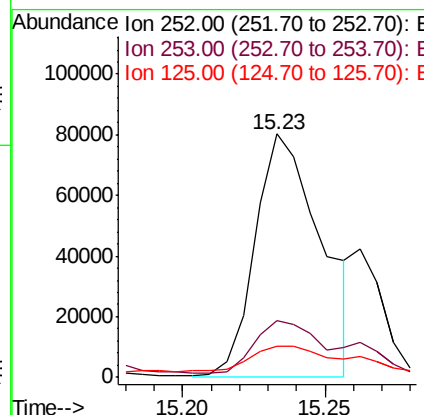
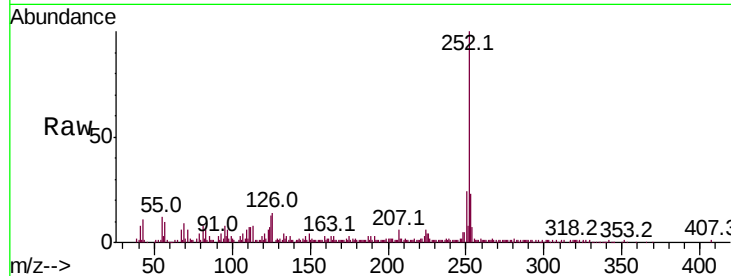
#88
Benzo(b)fluoranthene
Concen: 13.948 ng m
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.9	8.2	12.4

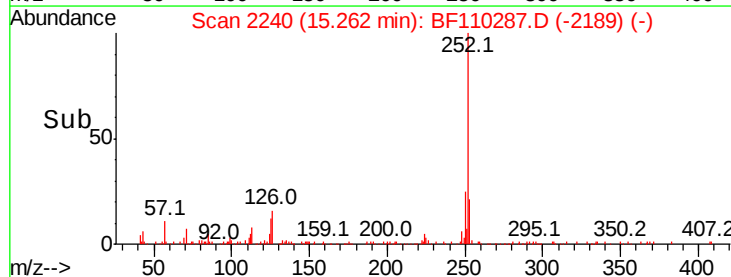
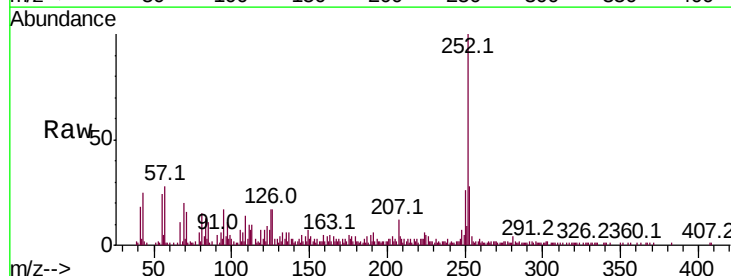
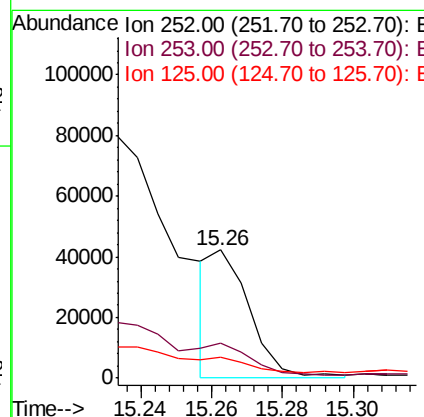
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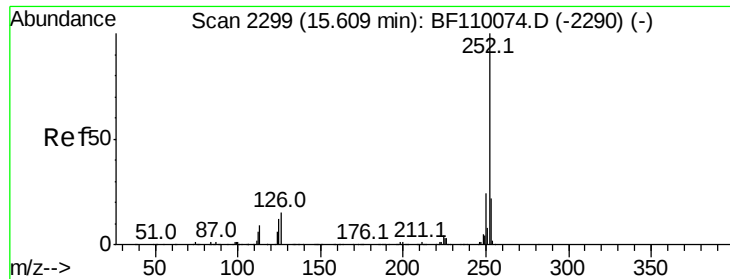
Sohil
10/30/2018 3:04:34 PM



#89
Benzo(k)fluoranthene
Concen: 3.508 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.2	25.8
125	16.5	7.4	11.0





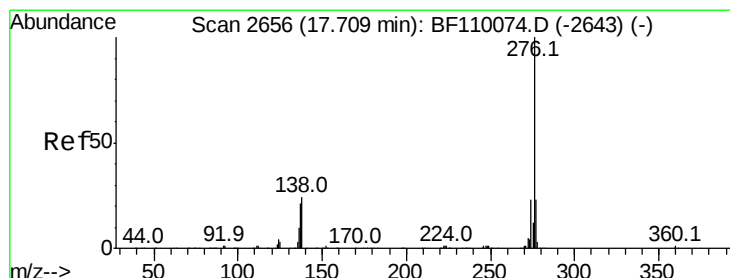
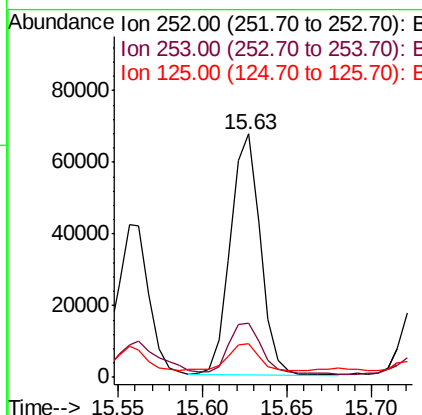
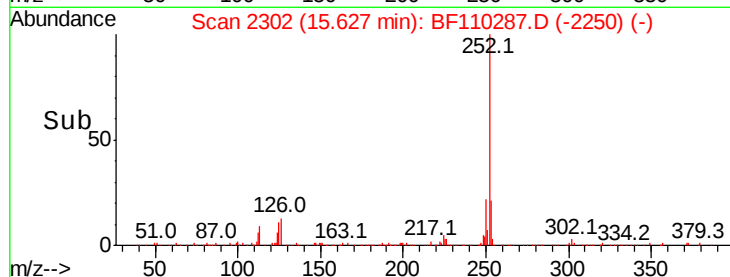
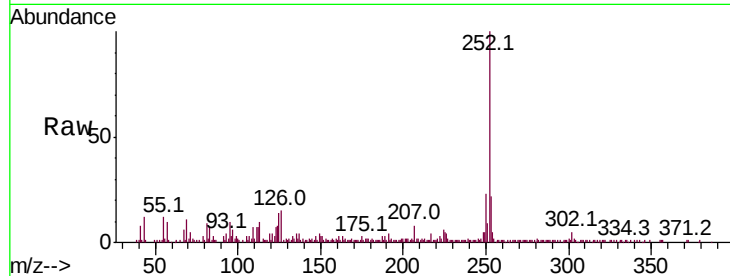
#90
Benzo(a)pyrene
Concen: 9.684 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-26

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	14.0	9.0	13.6

Manual Integrations
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10/30/2018 3:04:34 PM



#92
Benzo(g,h,i)perylene
Concen: 5.451 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.01 min
Lab File: BF110287.D
Acq: 30 Oct 2018 2:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	23.1	16.0	24.0

