

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103714.D
 Acq On : 16 Mar 2018 23:20
 Operator : JU/SJ
 Sample : J1938-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Manual Integrations
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Quant Time: Mar 17 03:53:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	176184	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	703447	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	302560	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	460582	20.00	ng	0.00
75) Chrysene-d12	14.16	240	320919	20.00	ng	0.00
86) Perylene-d12	15.69	264	275829	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1084917	93.66	ng	0.02
7) Phenol-d6	6.59	99	1330443	93.88	ng	0.00
23) Nitrobenzene-d5	7.53	82	792508	78.56	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	246897	94.91	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1197989	63.16	ng	0.00
78) Terphenyl-d14	13.09	244	851856	61.61	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	36270	2.409	ng	91
49) Dimethylphthalate	9.72	163	145134	6.287	ng	99
70) Phenanthrene	11.53	178	69210	2.747	ng	98
74) Fluoranthene	12.72	202	204607	7.883	ng	95
77) Pyrene	12.95	202	200527	8.508	ng	98
80) Benzo(a)anthracene	14.14	228	118060m	5.812	ng	
82) Chrysene	14.18	228	117873	6.087	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	63360	3.747	ng	92
87) Benzo(b)fluoranthene	15.23	252	166701m	9.566	ng	
88) Benzo(k)fluoranthene	15.26	252	53585m	3.199	ng	
89) Benzo(a)pyrene	15.62	252	111688	7.066	ng	97
91) Benzo(a,h,i)perylene	17.73	276	56691	4.258	ng	95

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

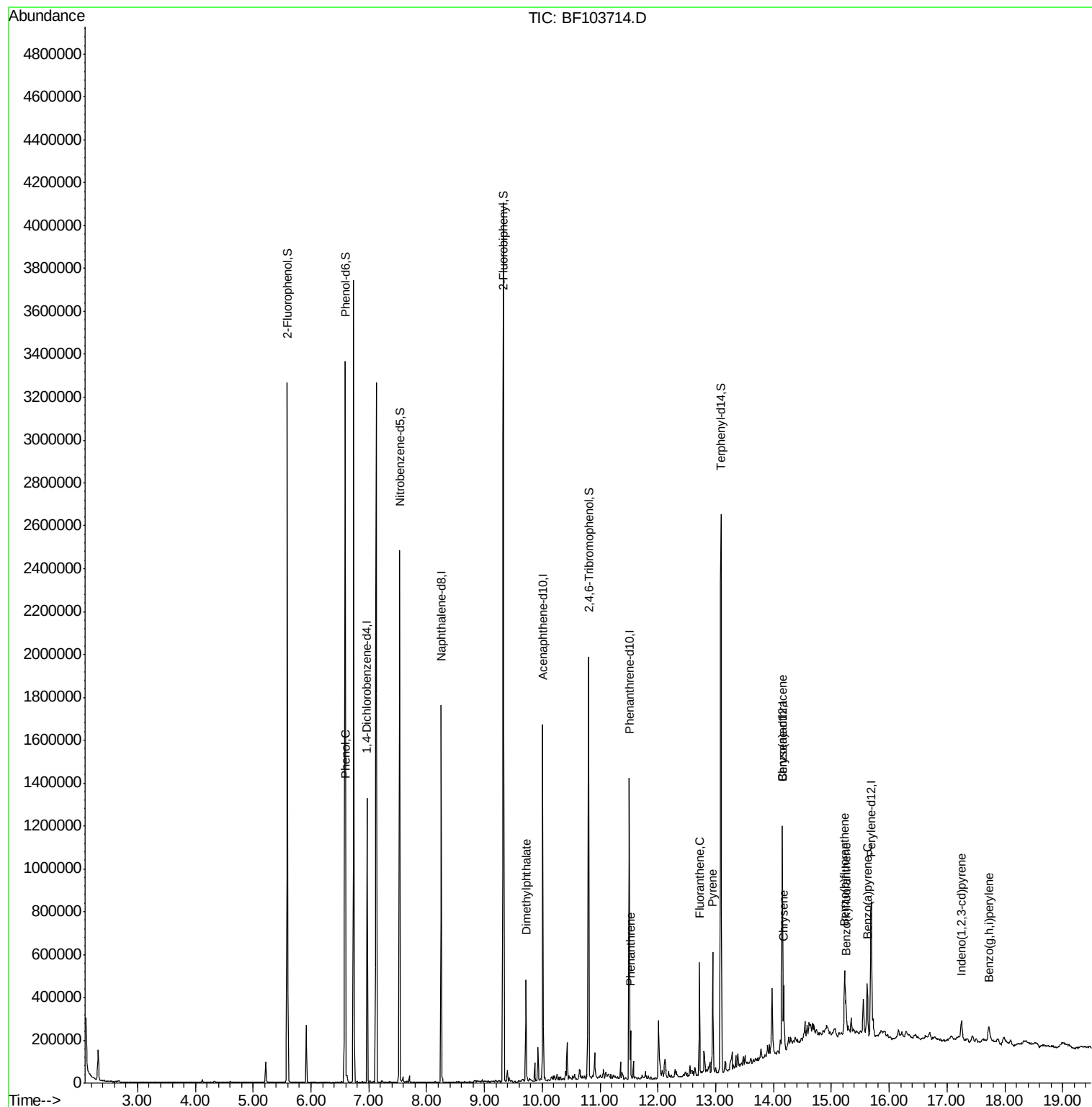
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103714.D
Acq On : 16 Mar 2018 23:20
Operator : JU/SJ
Sample : J1938-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

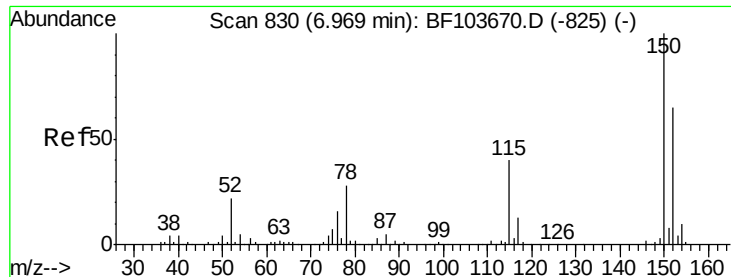
Instrument :
BNA_F
ClientSampleId :
CS-2

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Quant Time: Mar 17 03:53:14 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
Response via : Initial Calibration





#1

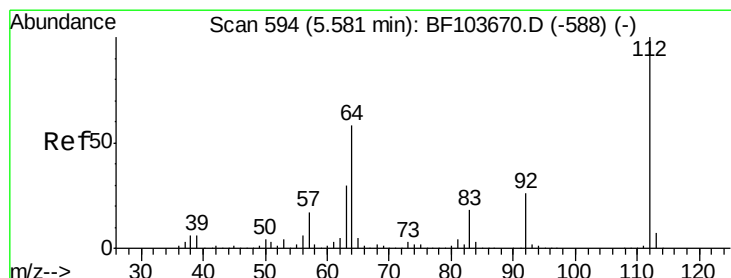
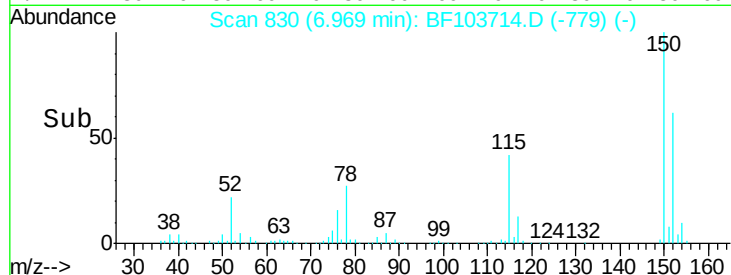
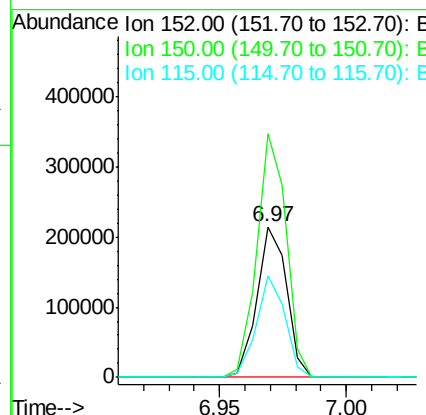
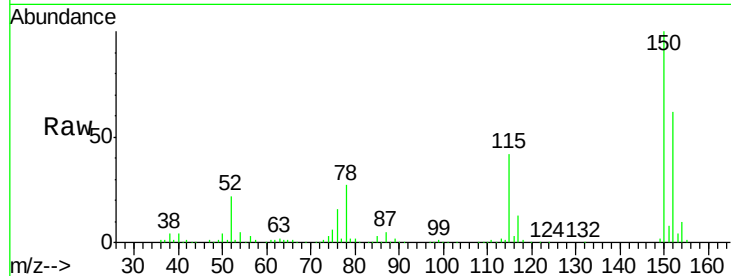
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	124.6	186.8
115	67.2	50.1	75.1

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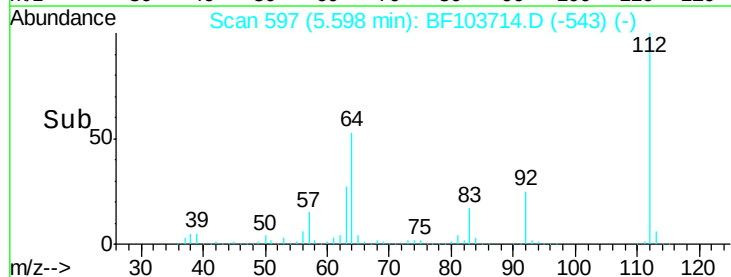
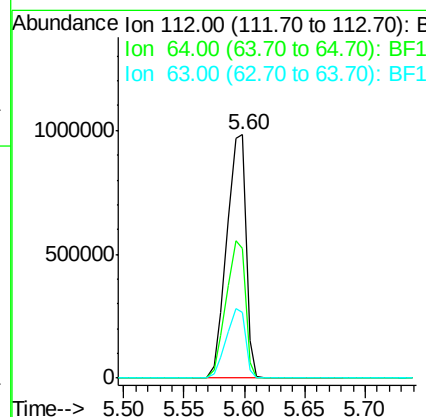
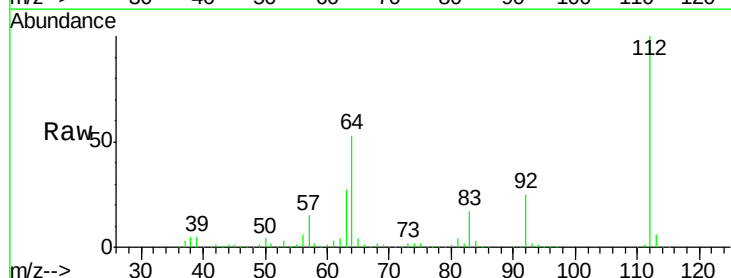
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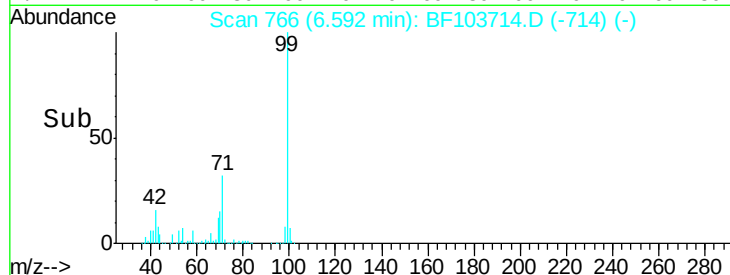
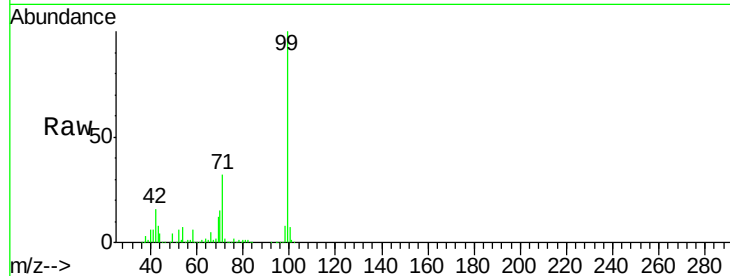
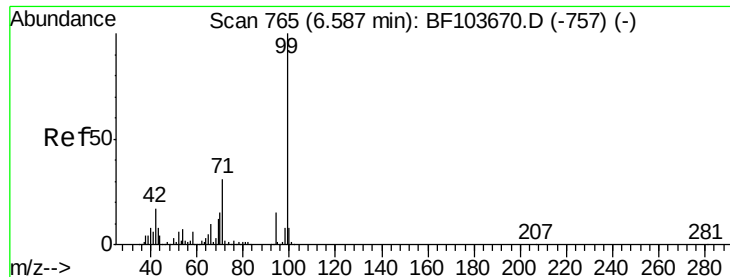


#5

2-Fluorophenol
Concen: 93.661 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.9	23.7	35.5





#7

Phenol-d6

Concen: 93.881 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103714.D

Acq: 16 Mar 2018 23:20

Tot Ion: 99 Resp: 1330443

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 31.8 25.4 38.0

Instrument :

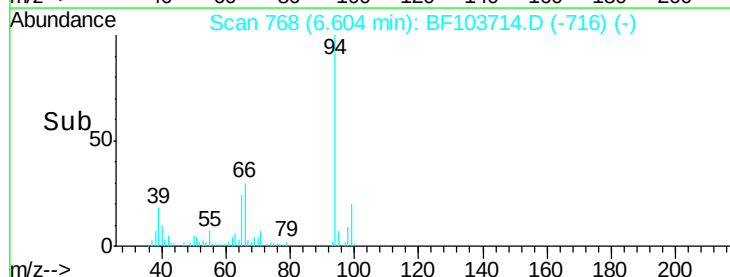
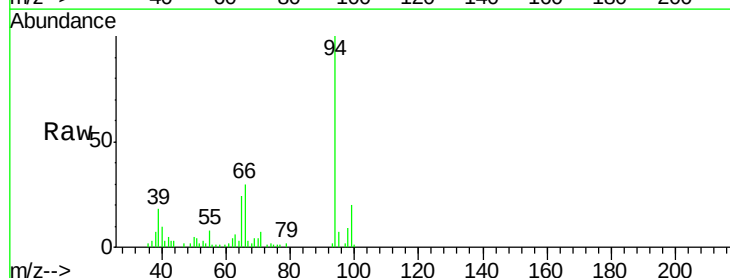
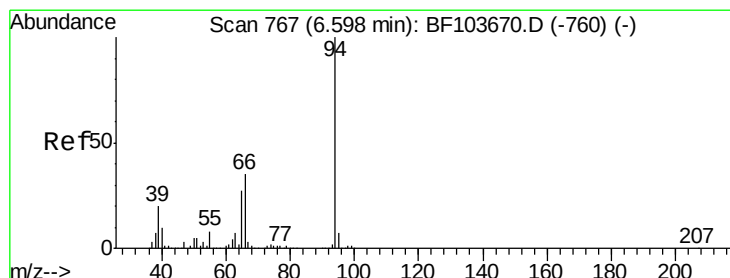
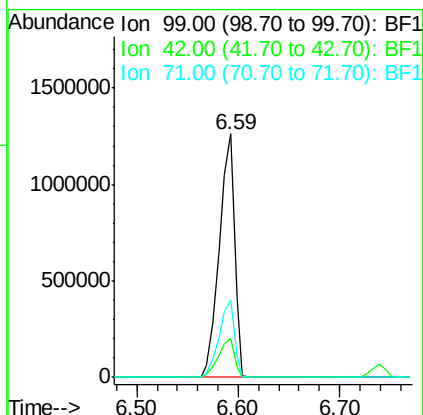
BNA_F

ClientSampled :

CS-2

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#10

Phenol

Concen: 2.409 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103714.D

Acq: 16 Mar 2018 23:20

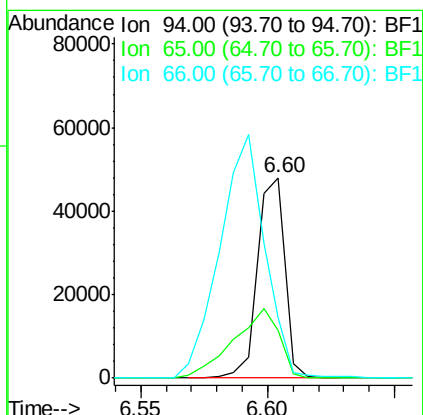
Tgt Ion: 94 Resp: 36270

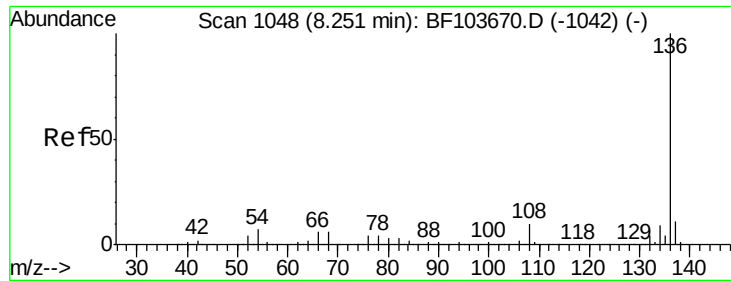
Ion Ratio Lower Upper

94 100

65 24.0 7.9 47.9

66 30.4 16.2 56.2





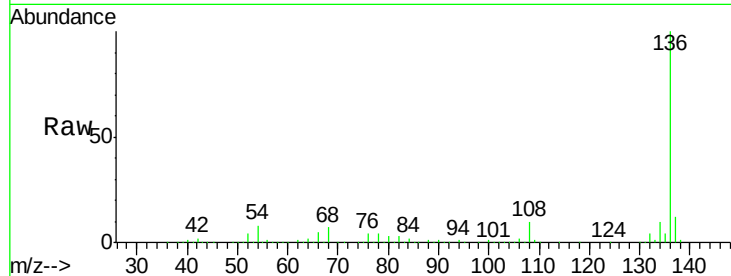
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampled :
CS-2

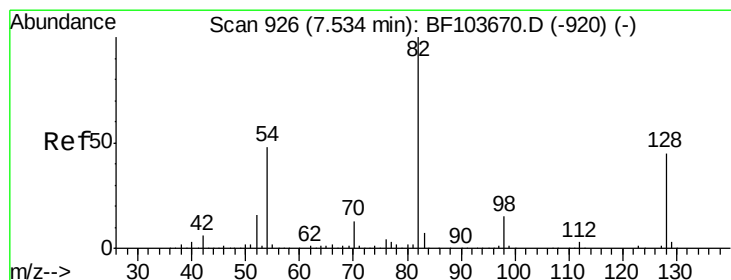
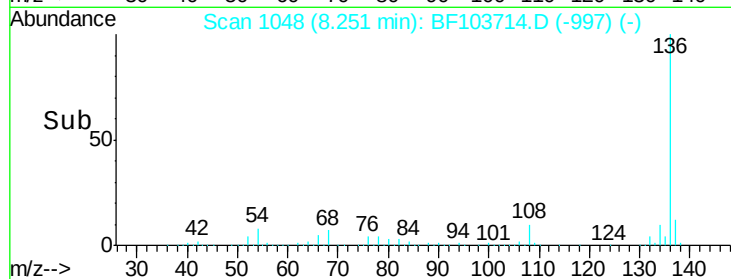
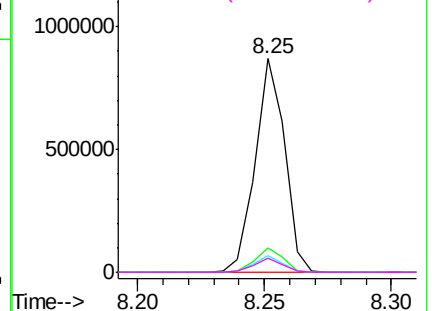
Tot Ion	Ratio	Resp	Lower	Upper
136	100	703447		
137	11.6		8.9	13.3
54	7.7		6.6	9.8
68	6.6		5.0	7.4

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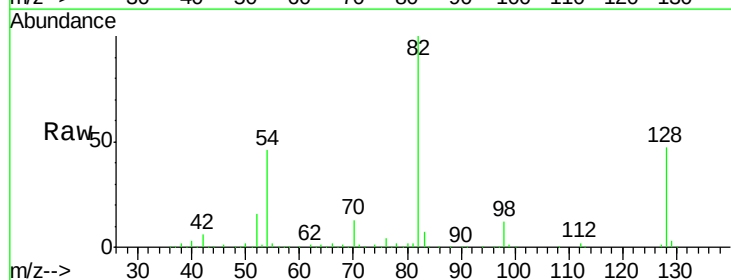


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

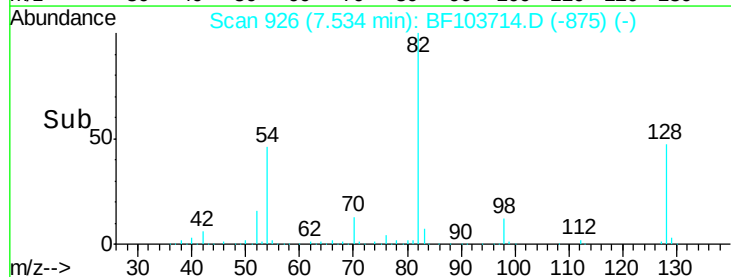
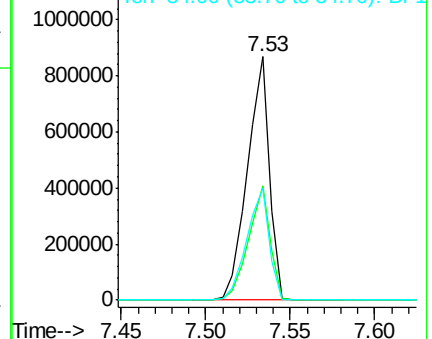


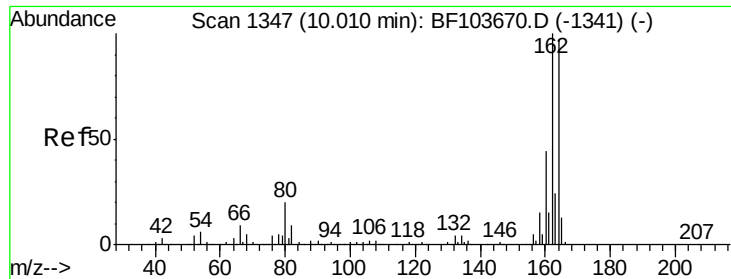
#23
Nitrobenzene-d5
Concen: 78.565 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	792508		
128	46.7		36.1	54.1
54	45.7		41.4	62.2



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





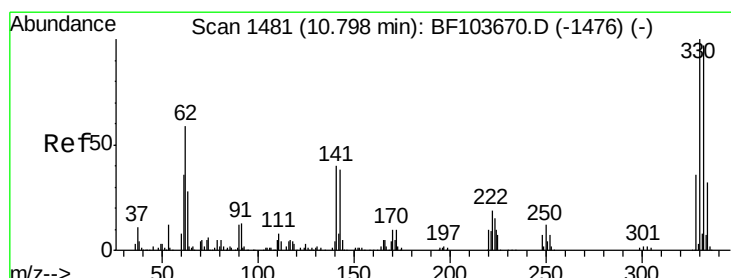
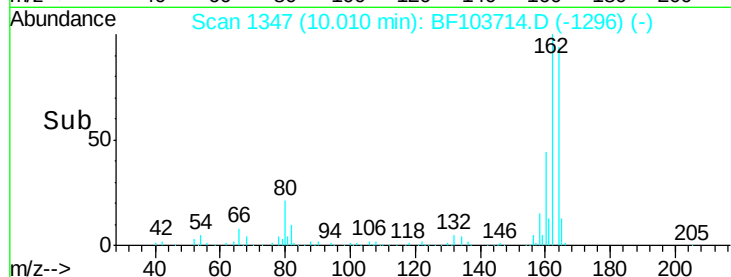
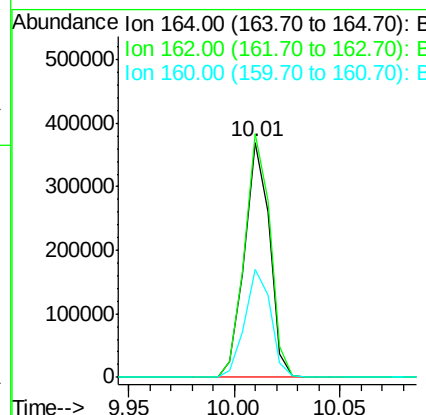
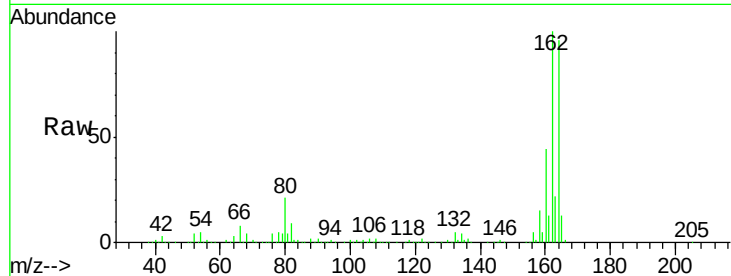
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	86.1	129.1	
160	46.0	38.3	57.5	

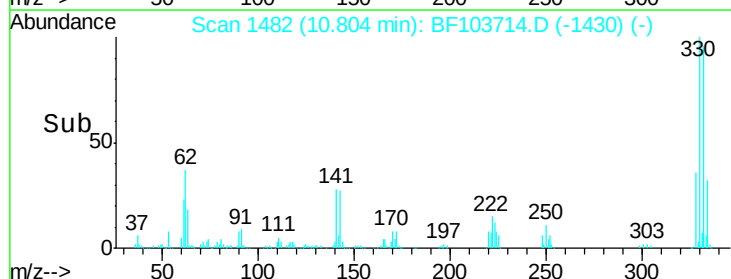
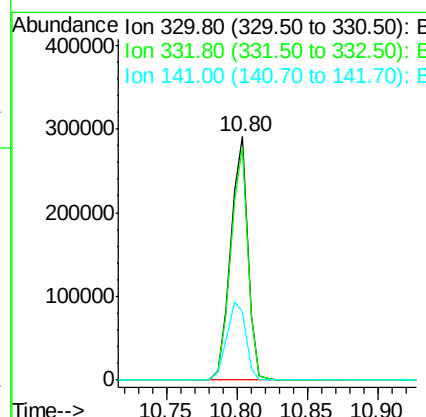
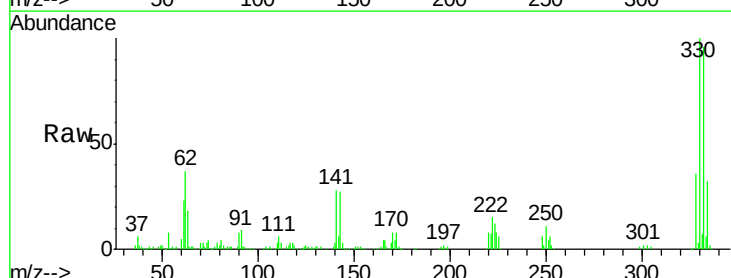
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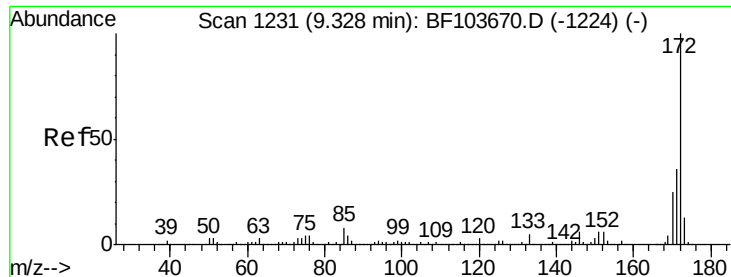
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#41
2,4,6-Tribromophenol
Concen: 94.908 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.0	115.6	
141	35.6	29.9	44.9	





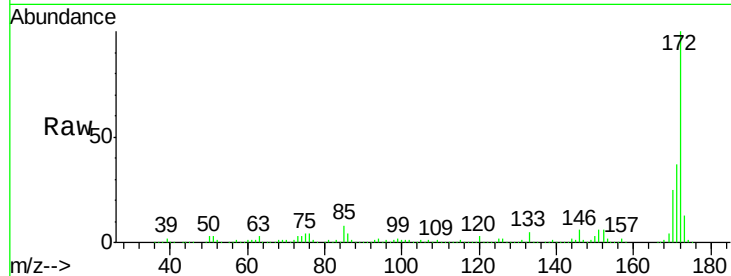
#44
2-Fluorobiphenyl
Concen: 63.160 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampleId :
CS-2

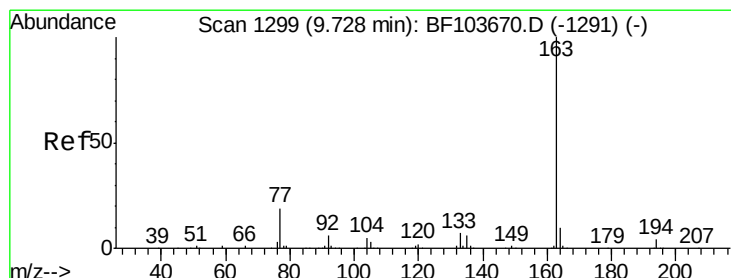
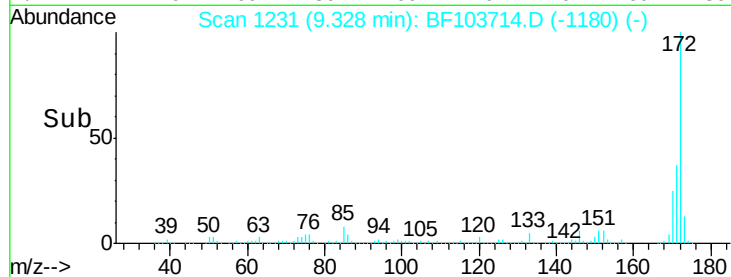
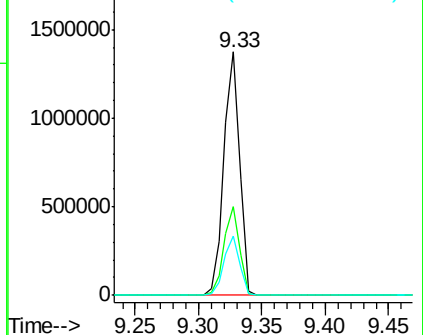
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.5	19.6	29.4

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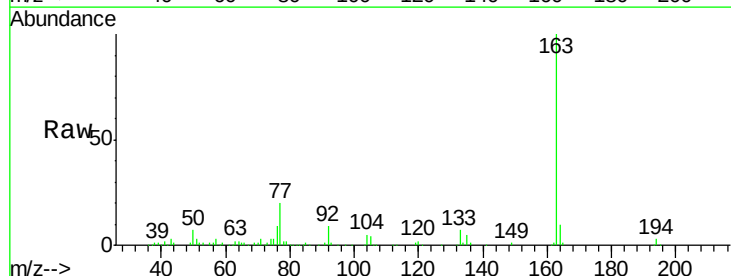


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

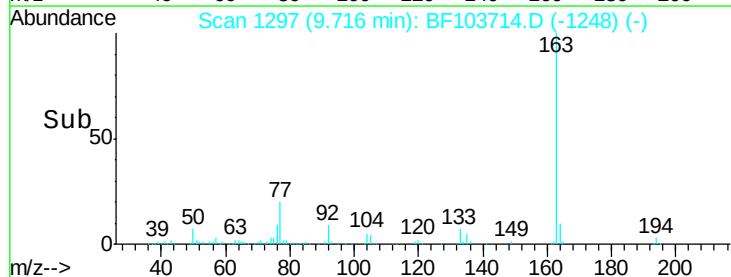
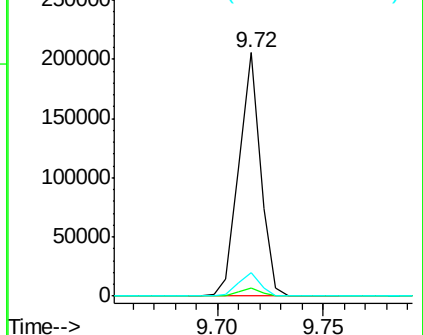


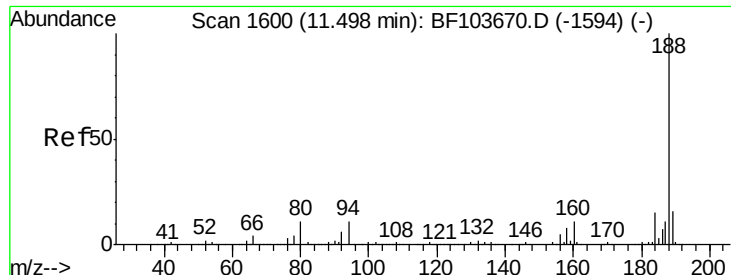
#49
Dimethylphthalate
Concen: 6.287 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.5	8.2	12.2



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





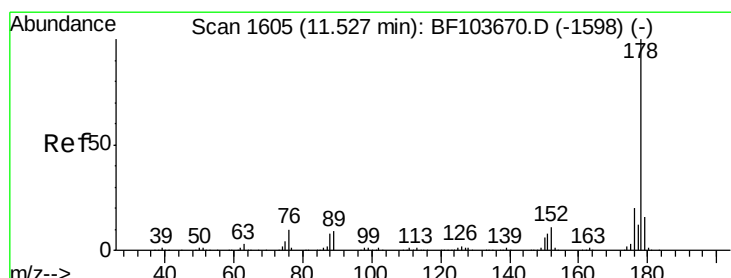
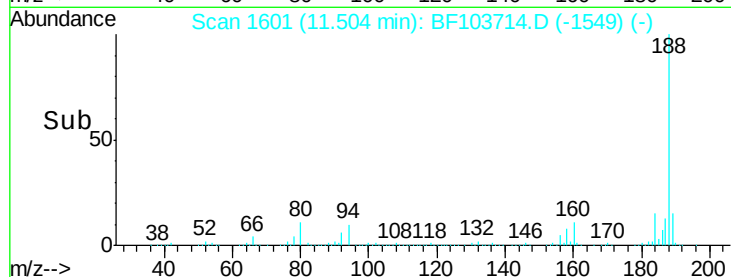
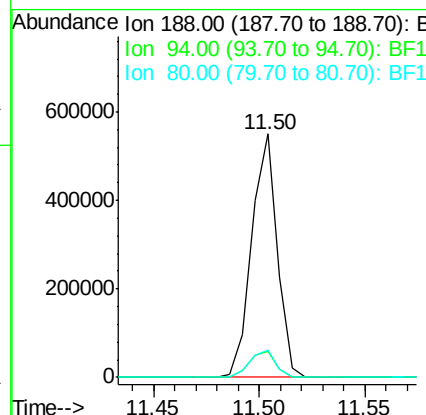
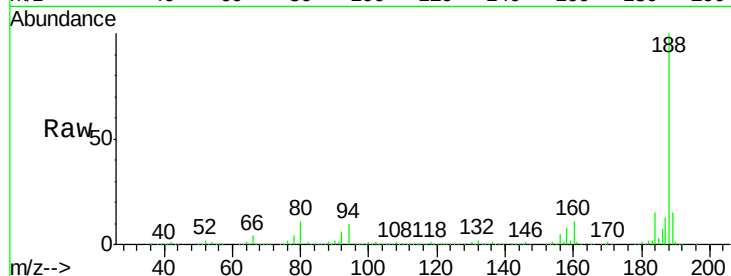
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103714.D
 Acq: 16 Mar 2018 23:20

Instrument :
 BNA_F
 ClientSampled :
 CS-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.4	9.2	13.8

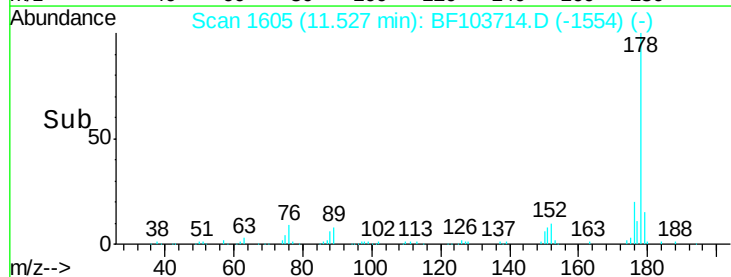
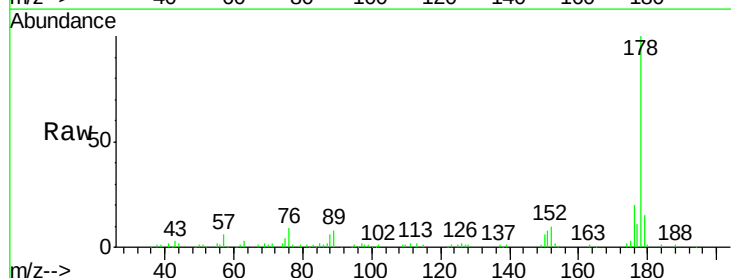
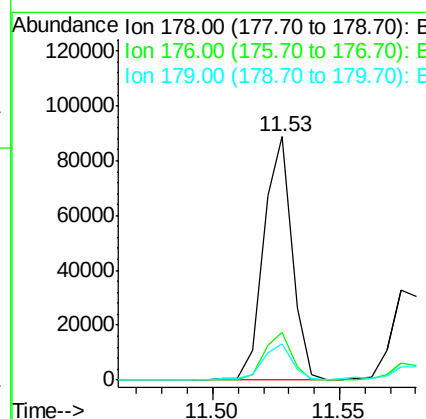
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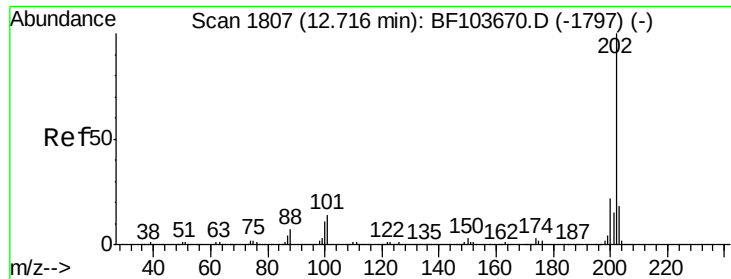
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#70
 Phenanthrene
 Concen: 2.747 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF103714.D
 Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.9	13.0	19.6





#74

Fluoranthene

Concen: 7.883 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103714.D

Acq: 16 Mar 2018 23:20

Instrument :

BNA_F

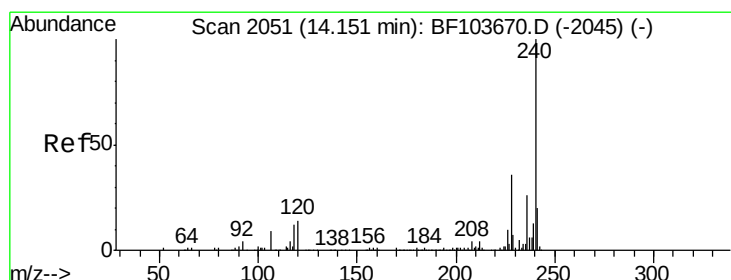
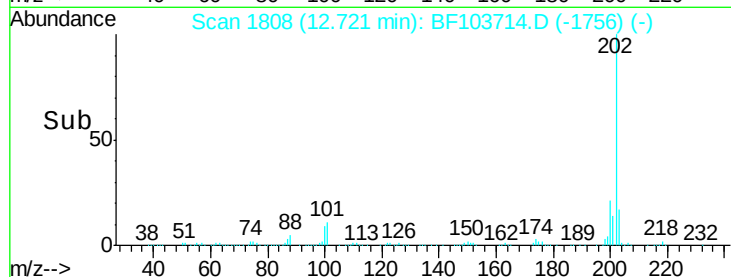
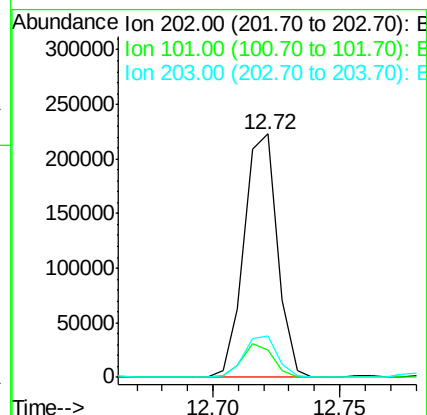
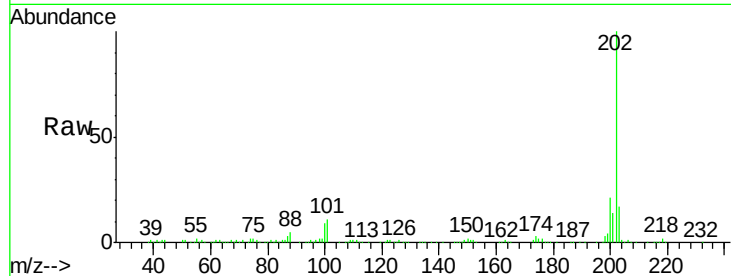
ClientSampled :

CS-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

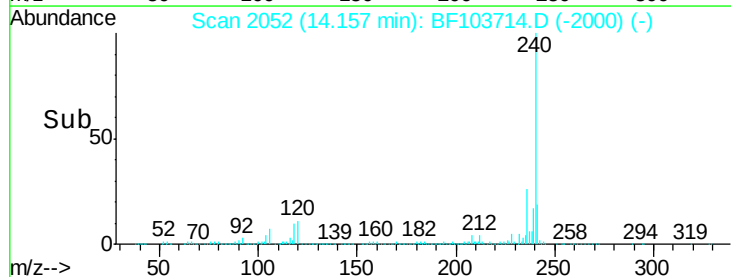
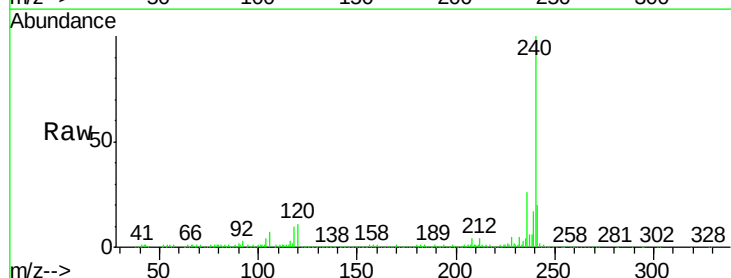
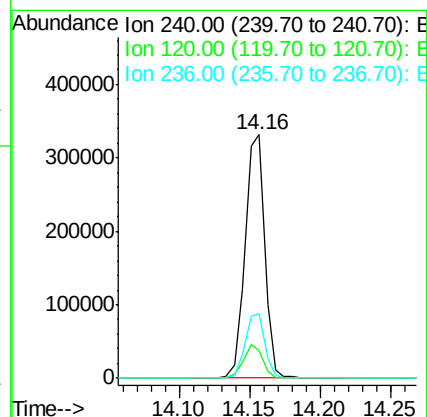
RT: 14.16 min Scan# 2052

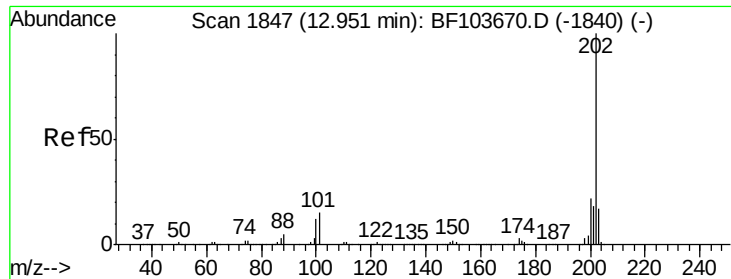
Delta R.T. 0.01 min

Lab File: BF103714.D

Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.2	9.5	14.3
236	26.5	20.7	31.1





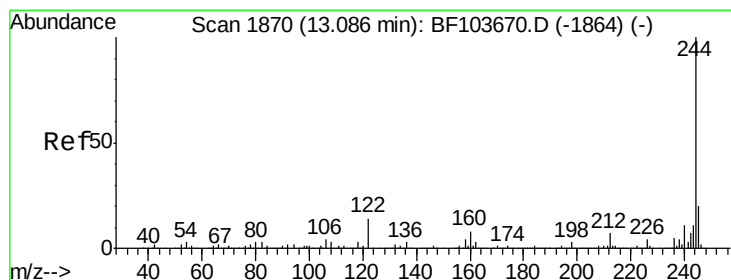
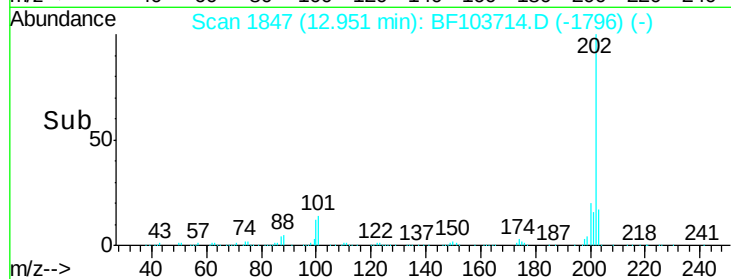
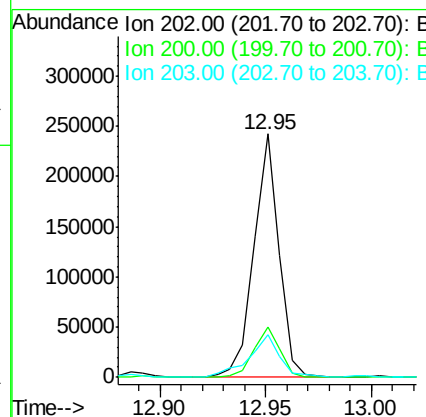
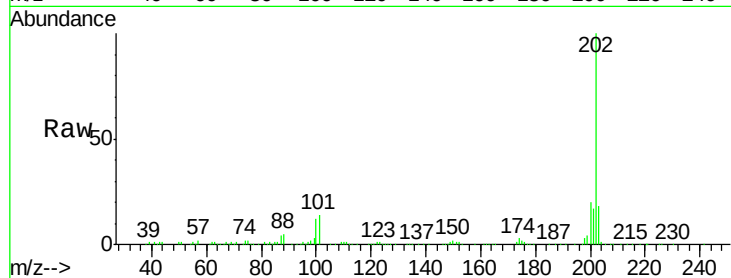
#77
Pvrene
Concen: 8.508 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.5	14.3	21.5

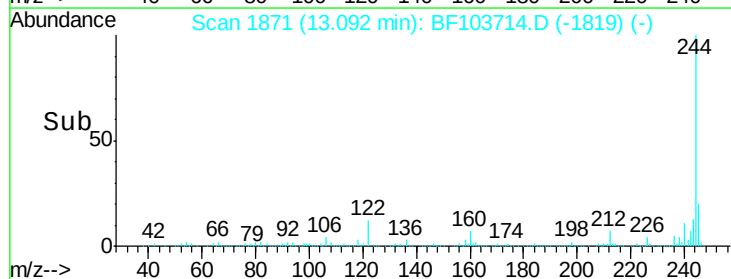
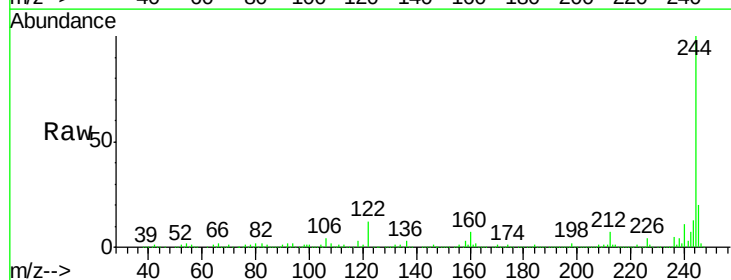
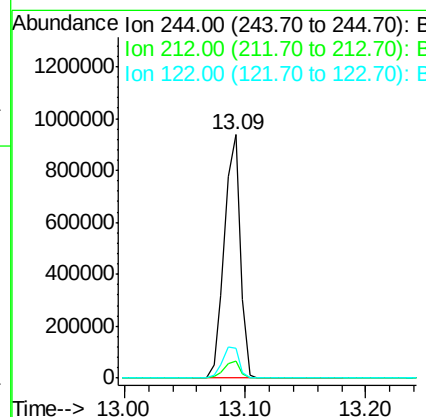
Manual Integrations
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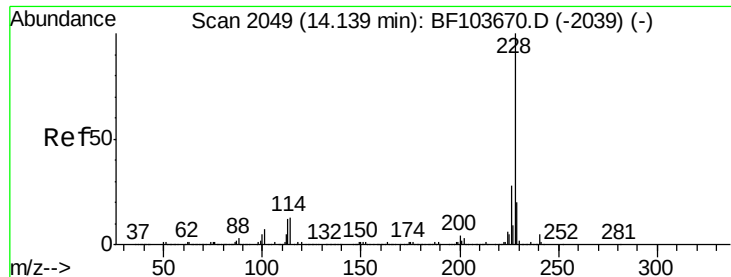
Sohil
3/19/2018 2:02:40 PM



#78
Terphenyl-d14
Concen: 61.613 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.1	11.0	16.4





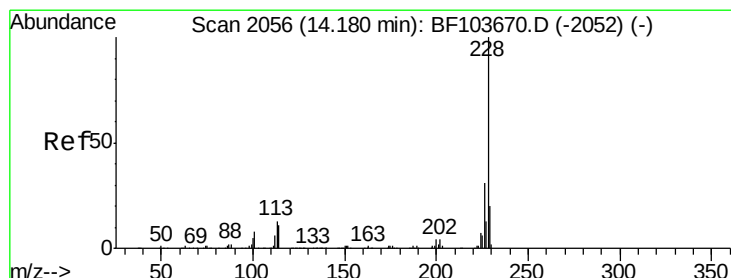
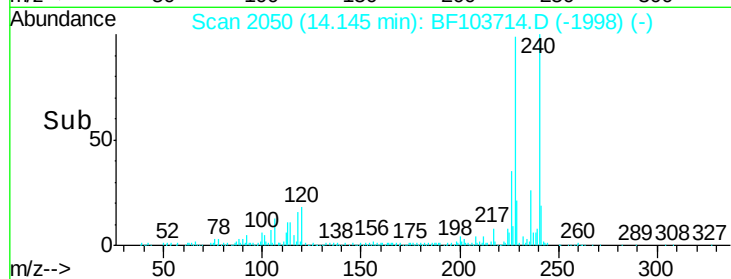
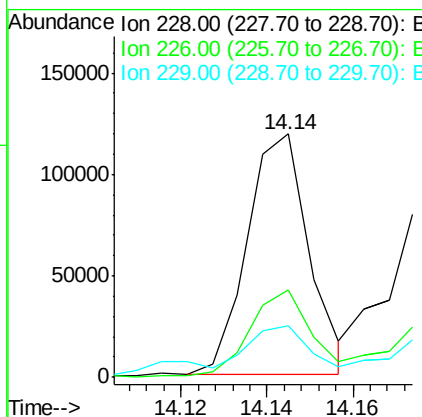
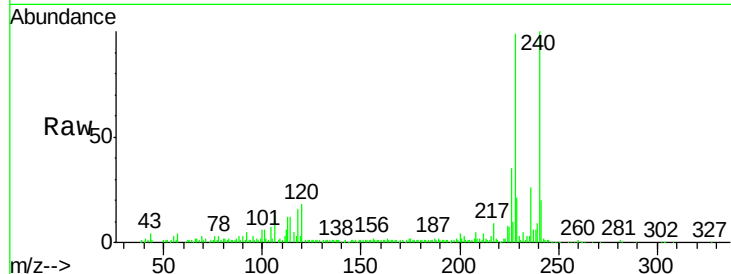
#80
Benzo(a)anthracene
Concen: 5.812 ng m
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	21.3	15.8	23.6

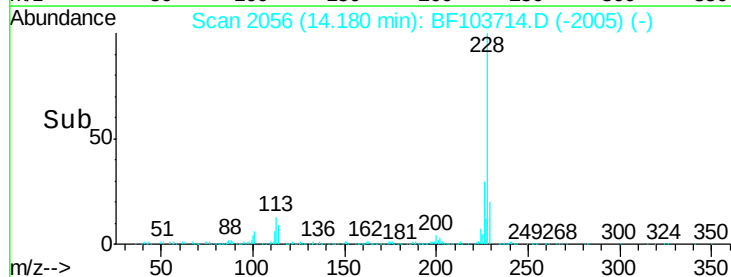
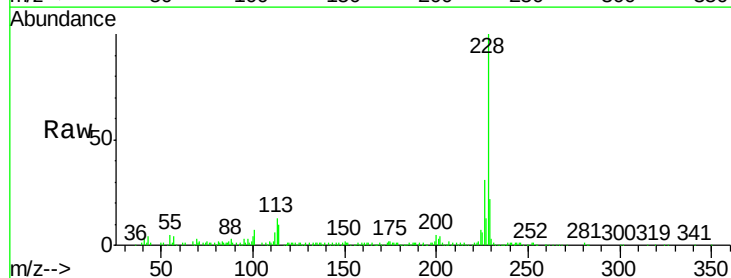
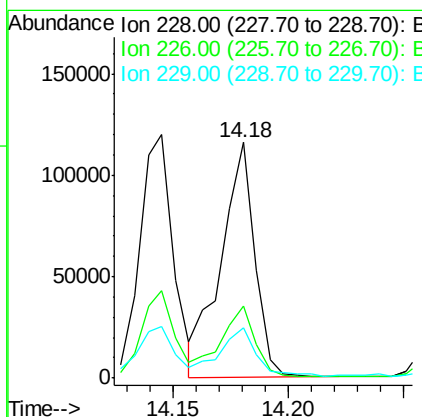
Manual Integrations
APPROVED

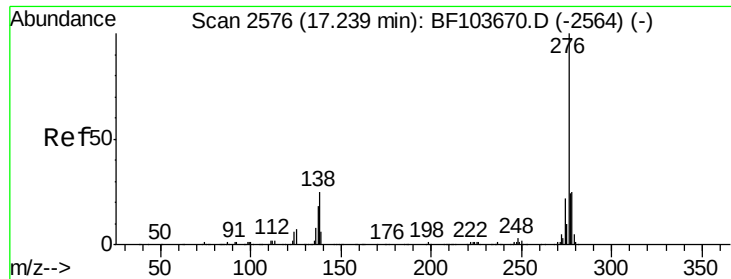
Sohil
3/19/2018 2:02:40 PM



#82
Chrysene
Concen: 6.087 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.6	16.2	24.4





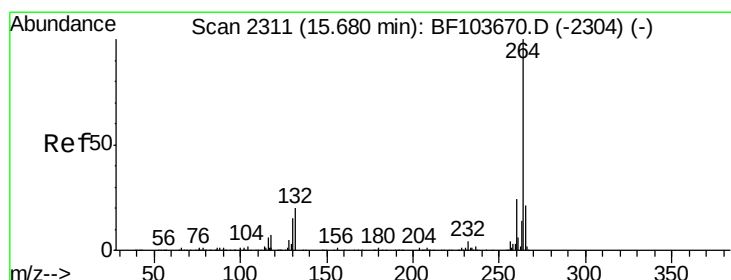
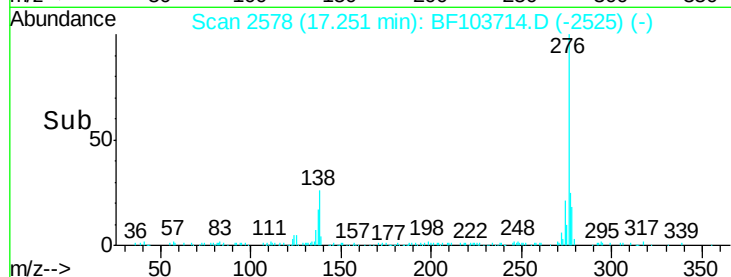
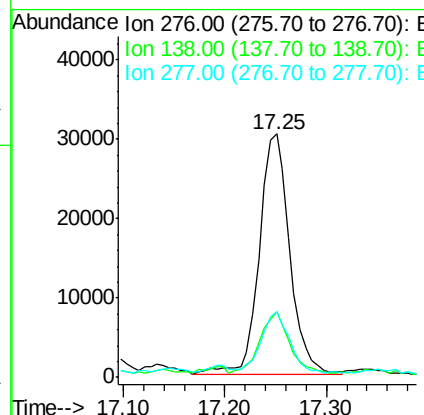
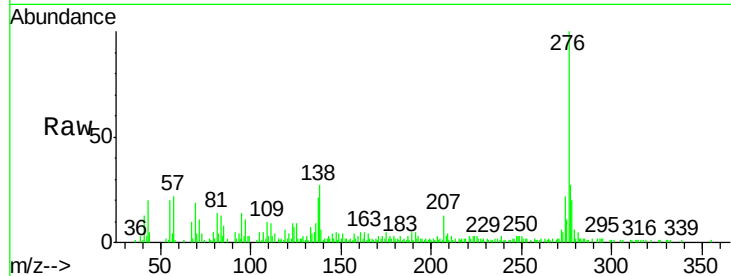
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.747 ng
RT: 17.25 min Scan# 2578
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	23.1	20.1	30.1

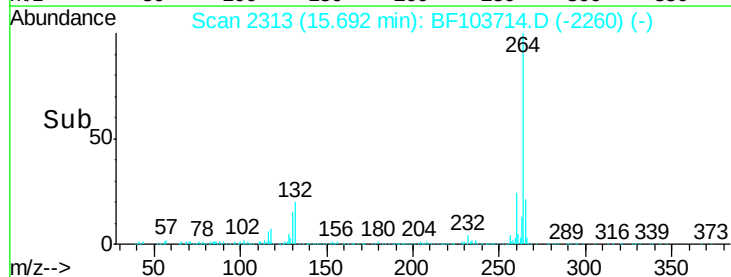
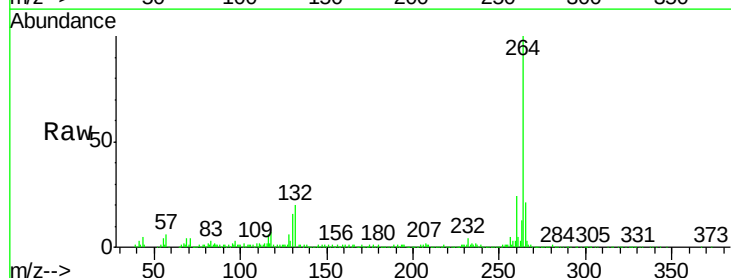
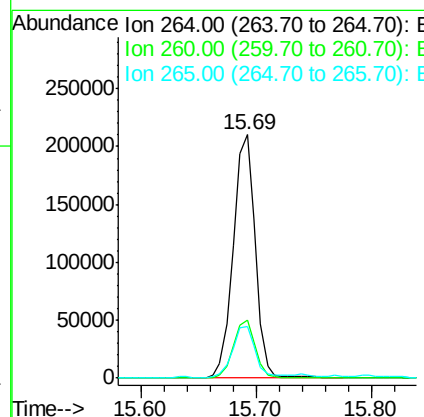
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APPROVED

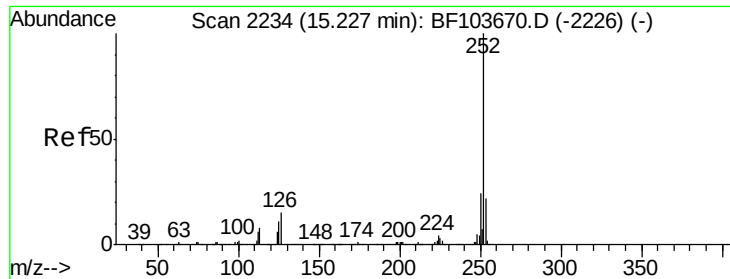
Sohil
3/19/2018 2:02:40 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.3	17.5	26.3





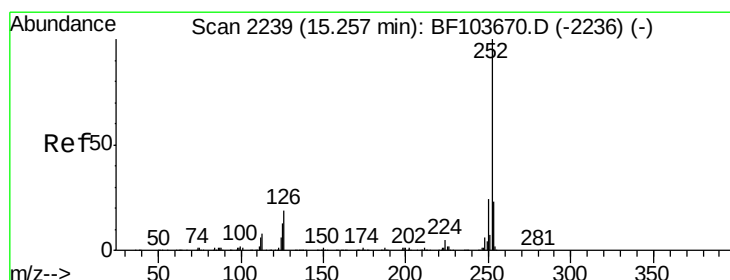
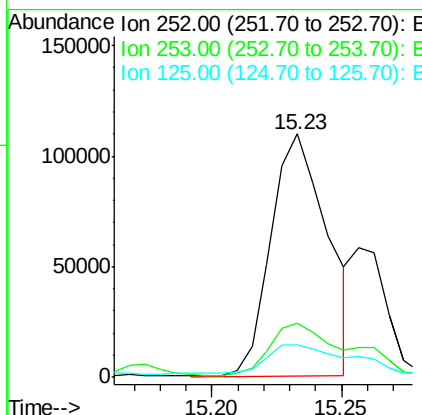
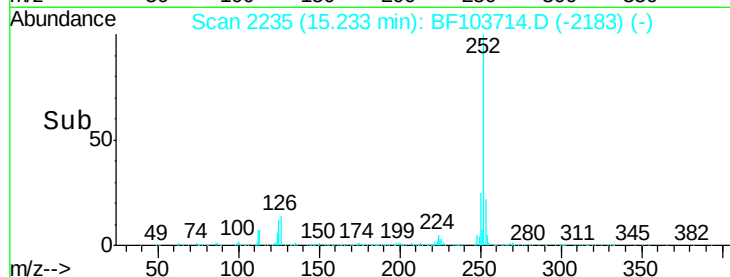
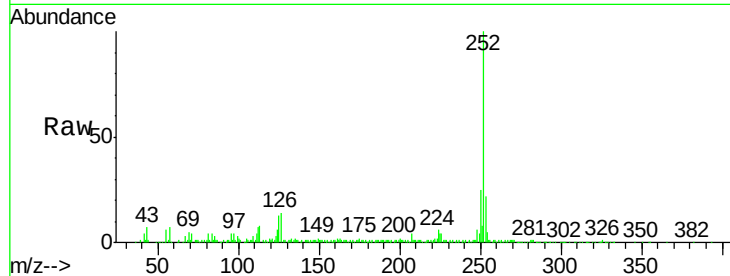
#87
Benzo(b)fluoranthene
Concen: 9.566 ng m
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.2	9.0	13.6

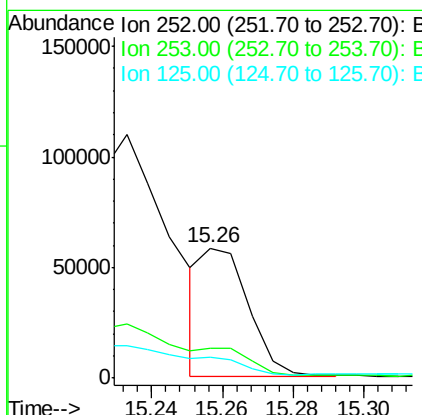
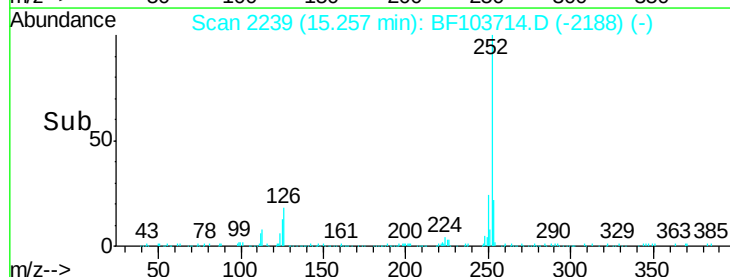
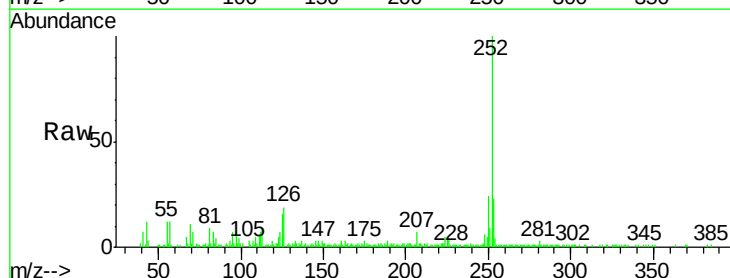
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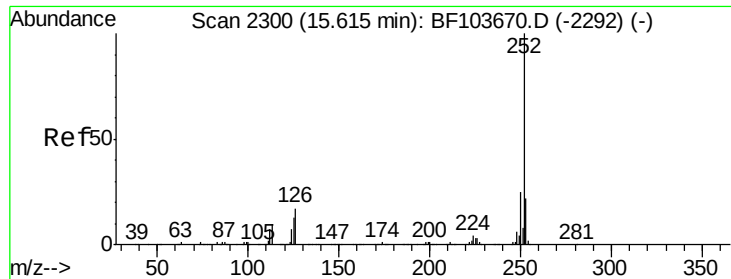
Sohil
3/19/2018 2:02:40 PM



#88
Benzo(k)fluoranthene
Concen: 3.199 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.8	10.2	15.2#





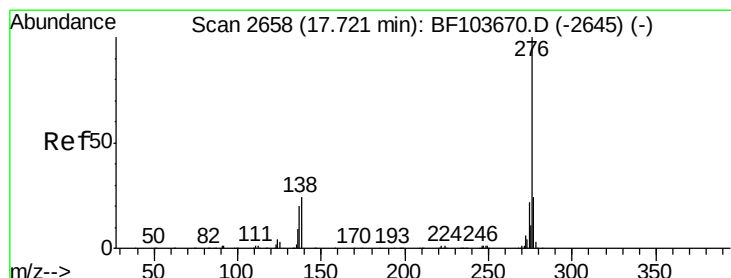
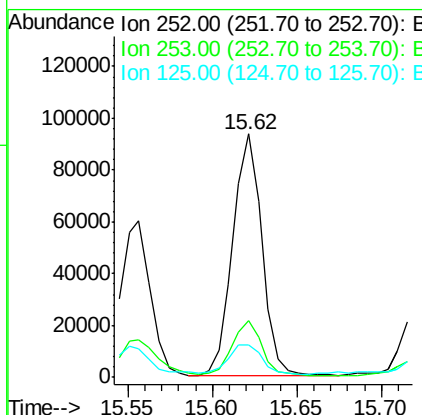
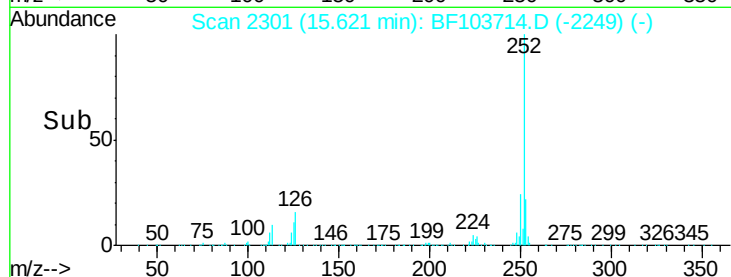
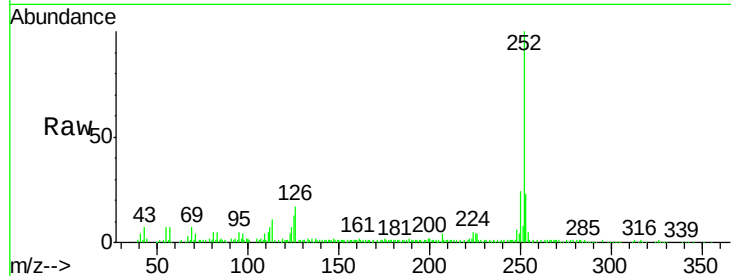
#89
Benzo(a)pyrene
Concen: 7.066 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Instrument :
BNA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.3	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/19/2018 2:02:40 PM



#91
Benzo(g,h,i)perylene
Concen: 4.258 ng
RT: 17.73 min Scan# 2659
Delta R.T. 0.01 min
Lab File: BF103714.D
Acq: 16 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	26.1	21.8	32.8

