

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
 Data File : BF112631.D
 Acq On : 19 Feb 2019 20:02
 Operator : JU/SJ
 Sample : K1518-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-5

Manual Integrations
 APPROVED

Sohil
 2/20/2019 11:12:48 AM

Quant Time: Feb 20 03:44:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	103547	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	396549	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	198123	20.00	ng	-0.03
64) Phenanthrene-d10	11.34	188	361955	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	258189	20.00	ng	-0.01
87) Perylene-d12	15.47	264	253818	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	759648	155.83	ng	-0.02
7) Phenol-d6	6.47	99	963251	142.20	ng	-0.02
23) Nitrobenzene-d5	7.39	82	637387	92.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	308263	133.67	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1073787	76.65	ng	-0.03
79) Terphenyl-d14	12.93	244	976229	71.21	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	68259	9.185	ng	83
50) Dimethylphthalate	9.57	163	114353	7.429	ng	# 99
71) Phenanthrene	11.37	178	238850	12.693	ng	97
72) Anthracene	11.43	178	64523	3.442	ng	99
75) Fluoranthene	12.57	202	545576	27.032	ng	96
78) Pyrene	12.80	202	563815	31.541	ng	97
81) Benzo(a)anthracene	13.99	228	275652	18.162	ng	99
83) Chrysene	14.02	228	237145	16.369	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	139236	12.129	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	351725m	23.171	ng	
89) Benzo(k)fluoranthene	15.07	252	79788m	5.488	ng	
90) Benzo(a)pyrene	15.41	252	234030	17.135	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	37698	3.425	ng	# 85
92) Benzo(g,h,i)perylene	17.42	276	126142	12.146	ng	99

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

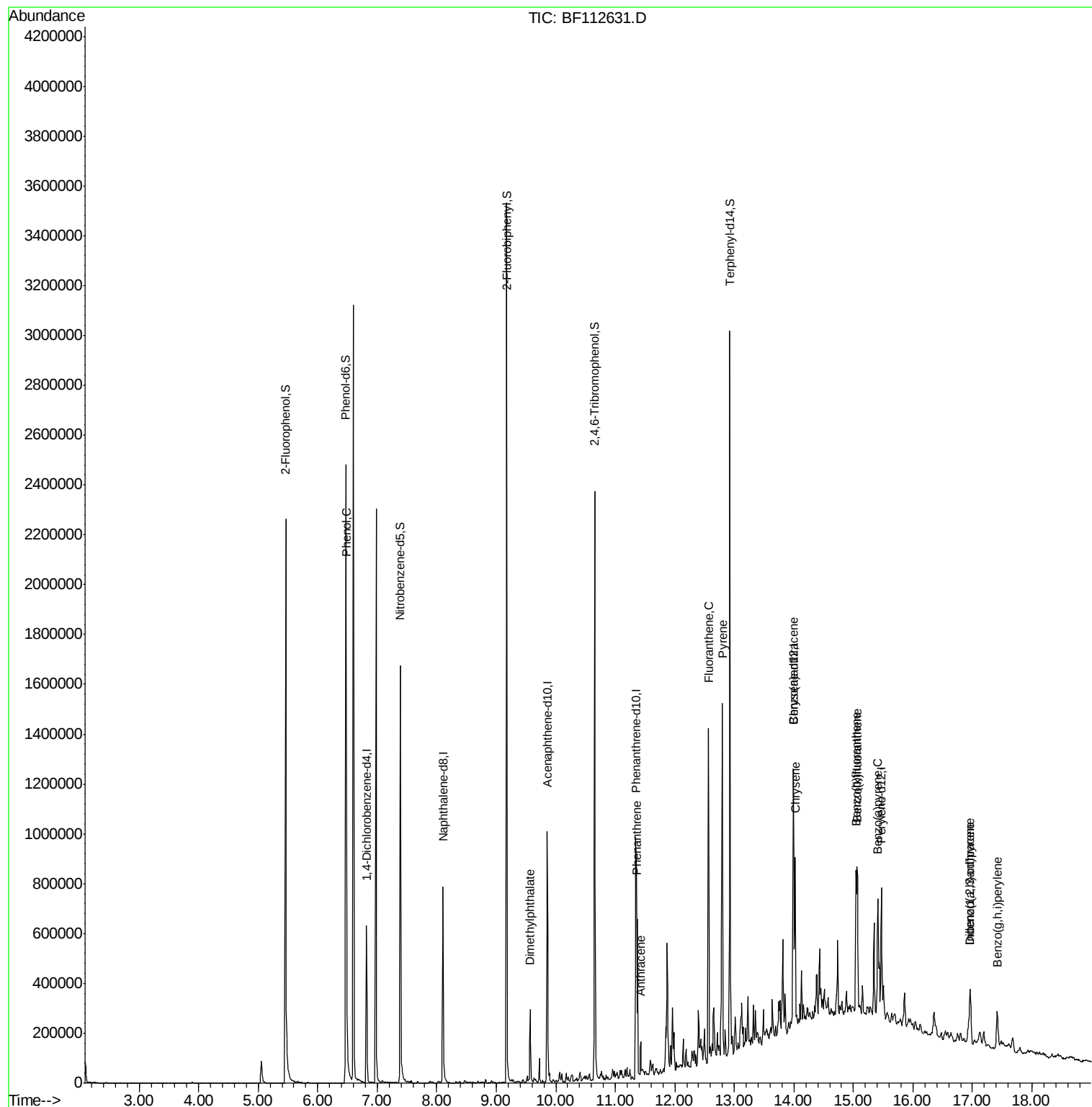
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
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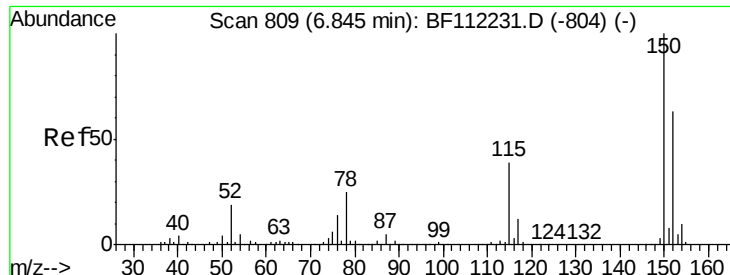
Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

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Quant Time: Feb 20 03:44:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

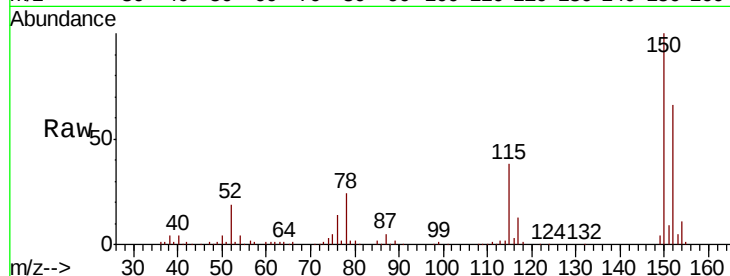
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	127.4	191.0
115	57.5	45.5	68.3

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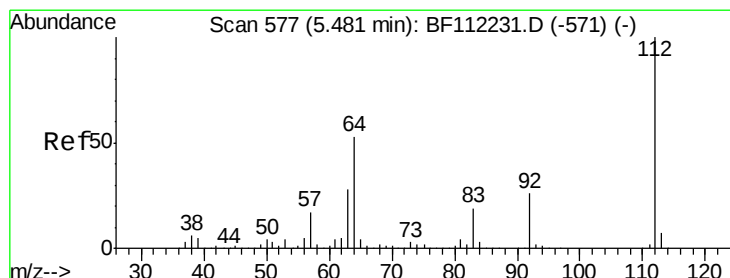
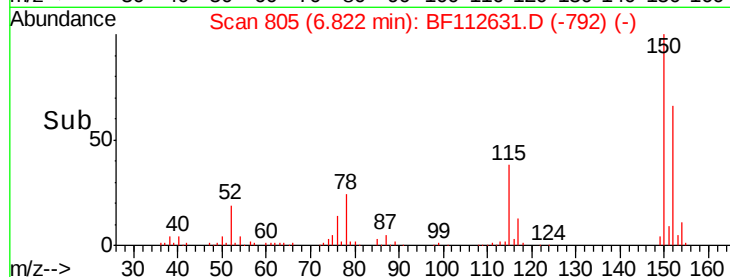
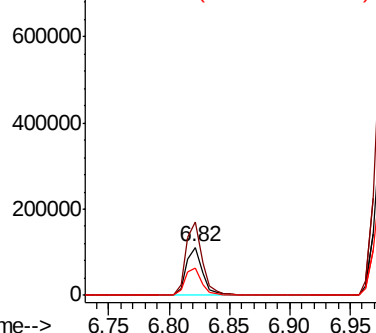


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

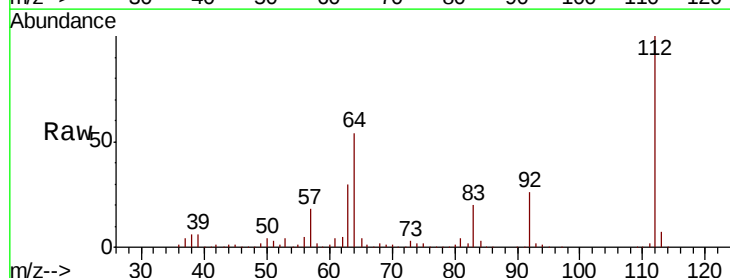
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 155.827 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	45.7	68.5
63	29.9	23.6	35.4

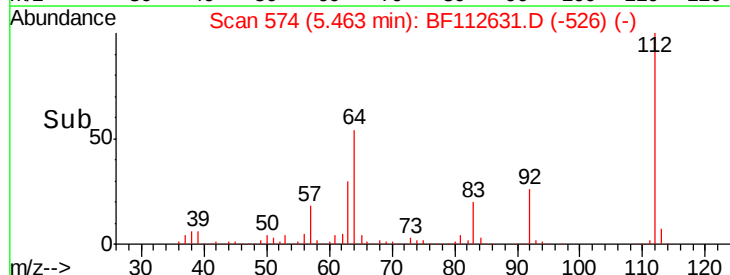
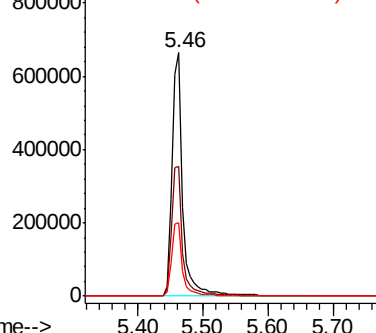


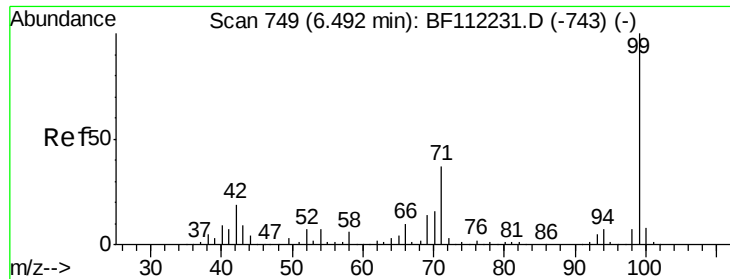
Abundance

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: 142.199 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

Instrument :

BNA_F

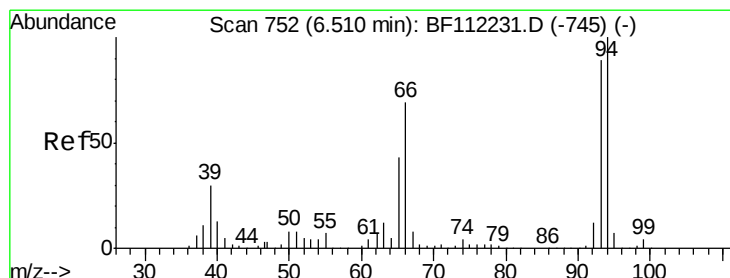
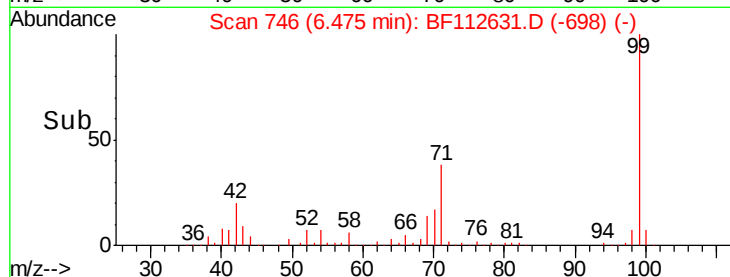
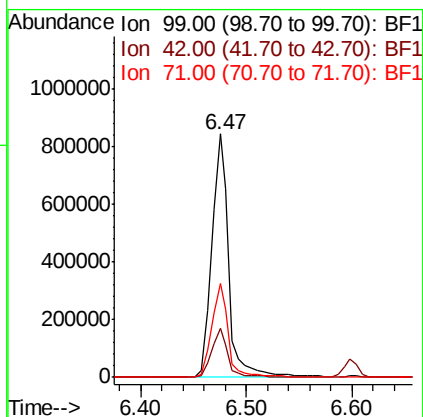
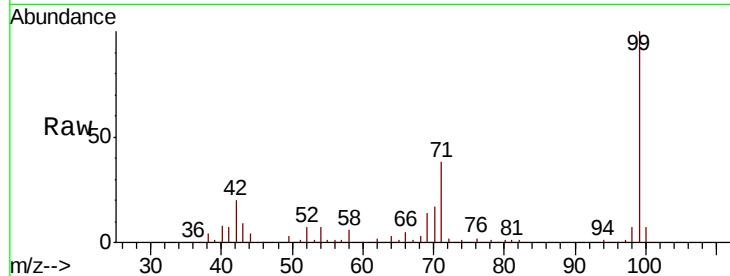
ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion:	99	Resp:	963251
Ion Ratio	Lower	Upper	
99	100		
42	20.1	15.1	22.7
71	38.4	26.9	40.3

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#10

Phenol

Concen: 9.185 ng

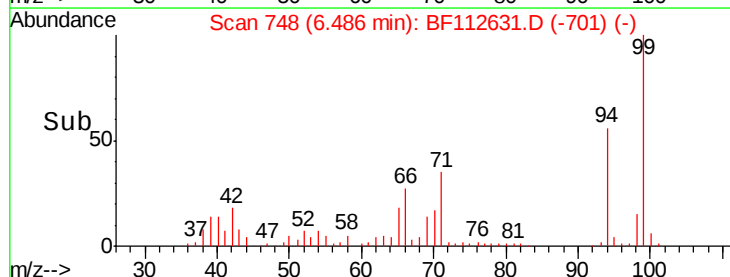
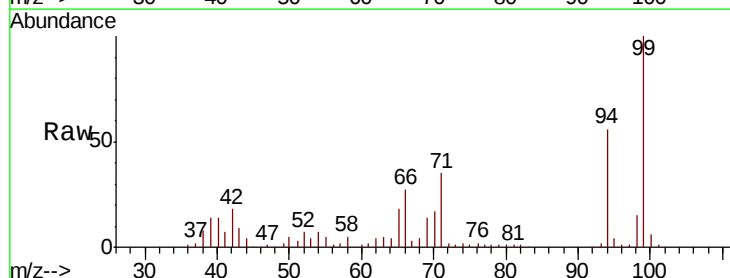
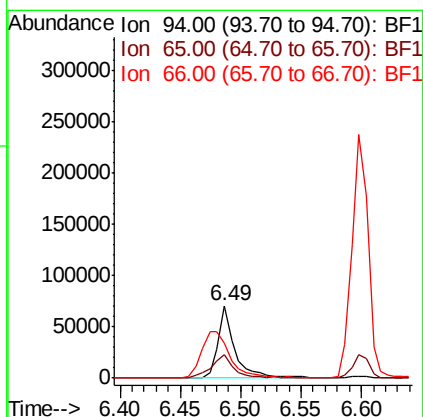
RT: 6.49 min Scan# 748

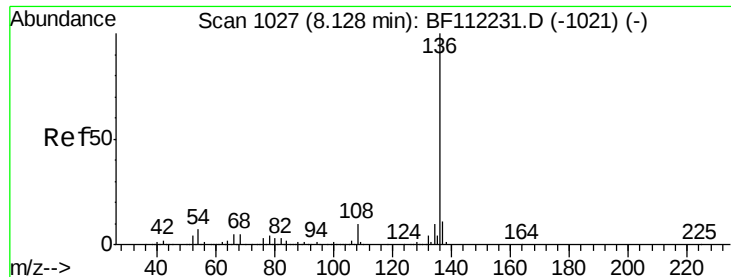
Delta R.T. -0.02 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

Tgt Ion:	94	Resp:	68259
Ion Ratio	Lower	Upper	
94	100		
65	31.5	20.3	60.3
66	48.2	42.4	82.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

Instrument :

BNA_F

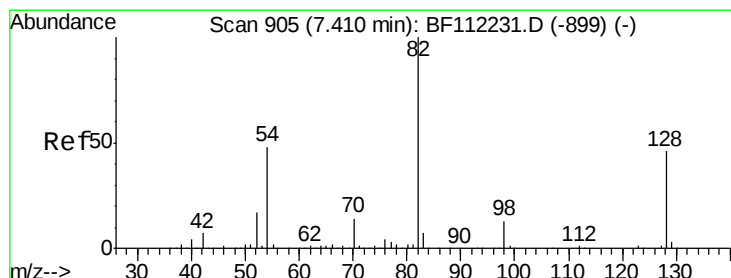
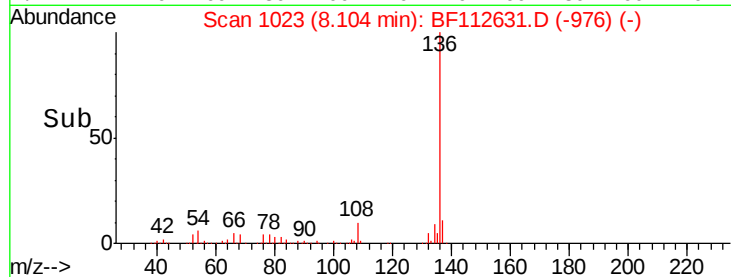
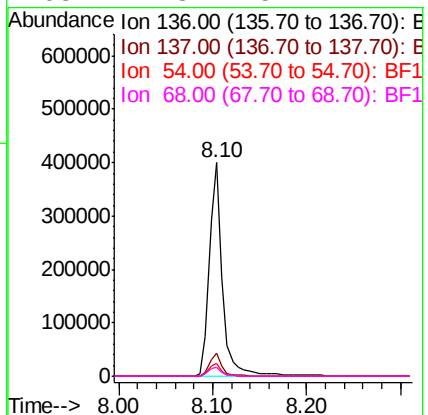
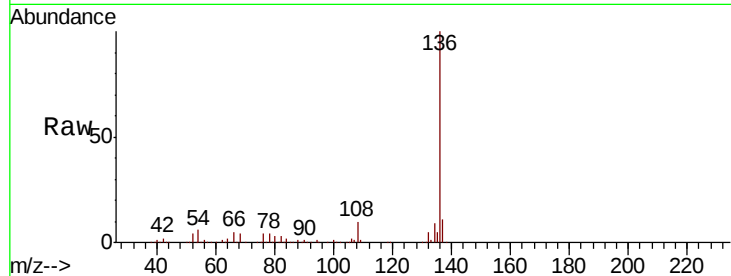
ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		396549		
137	11.1	9.1	13.7		
54	6.0	5.9	8.9		
68	4.3	5.1	7.7#		

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#23

Nitrobenzene-d5

Concen: 92.614 ng

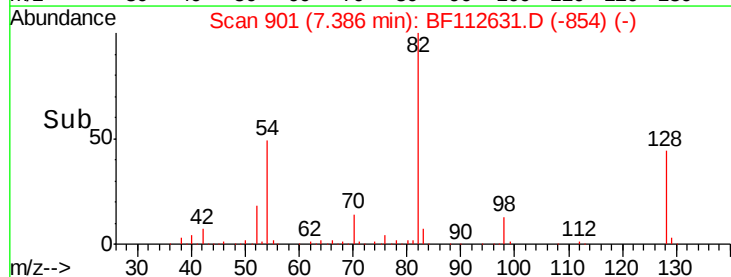
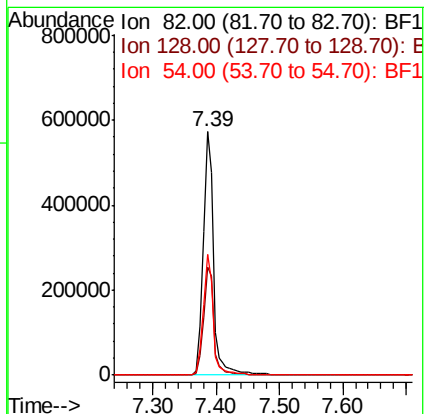
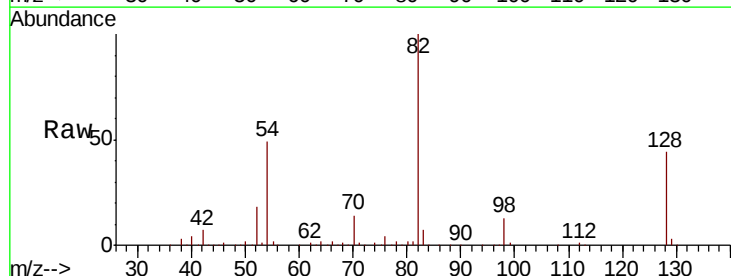
RT: 7.39 min Scan# 901

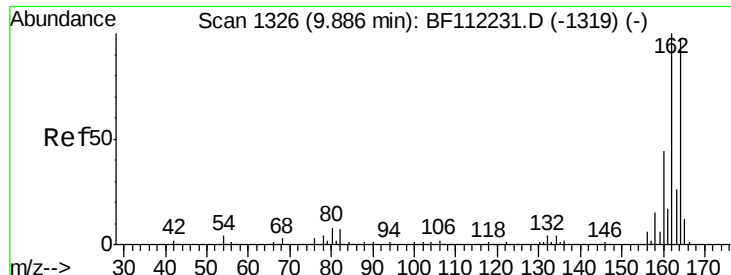
Delta R.T. -0.02 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		637387		
128	44.1	37.8	56.8		
54	49.4	39.7	59.5		





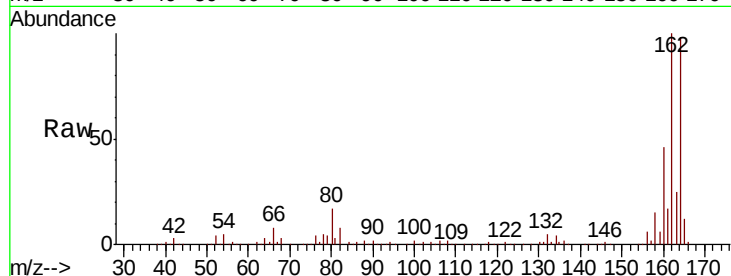
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	82.2	123.4	
160	46.6	36.2	54.4	

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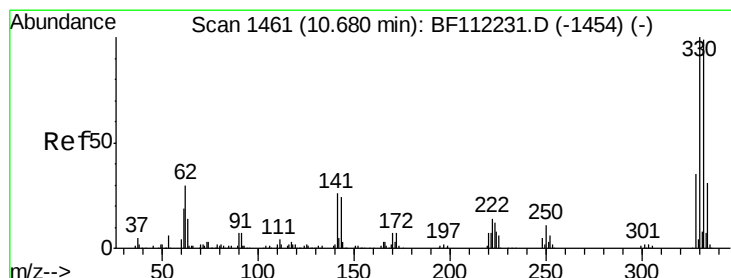
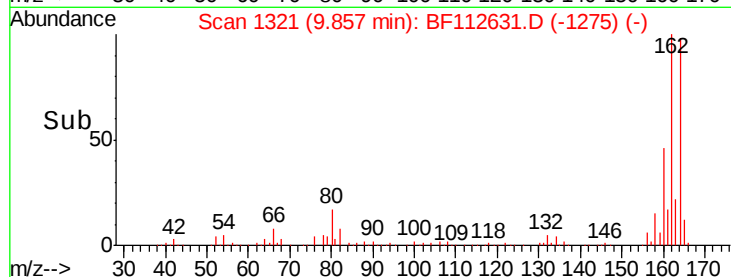
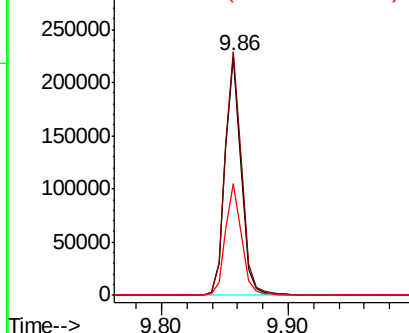


Abundance

Ion 164.00 (163.70 to 164.70): E

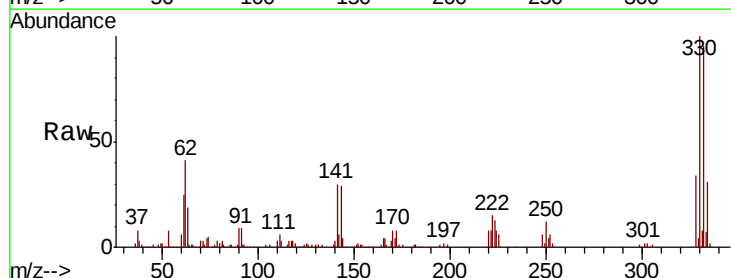
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 133.673 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.6	114.8	
141	34.0	24.3	36.5	

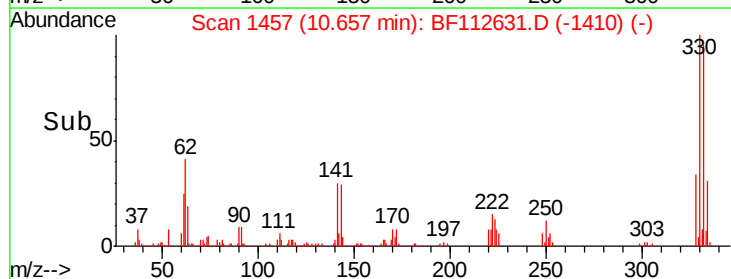
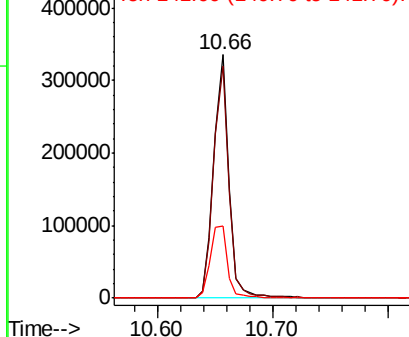


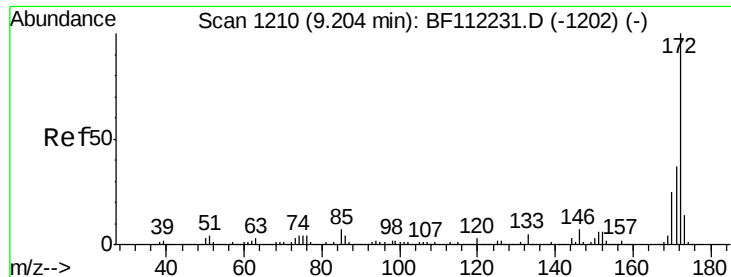
Abundance

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: 76.654 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

Instrument :

BNA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion:172 Resp: 1073787

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

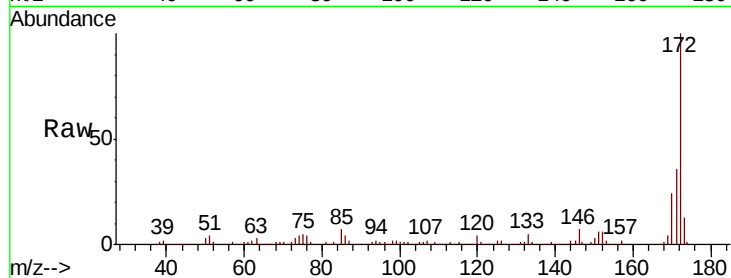
170 23.9 20.2 30.4

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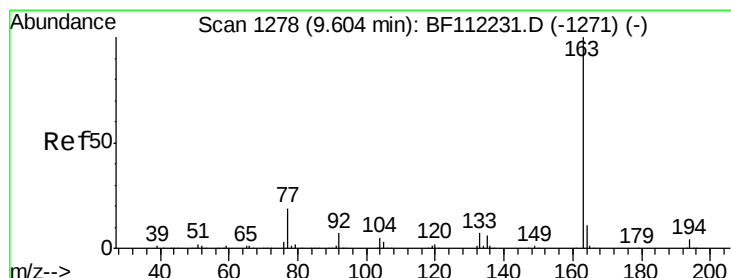
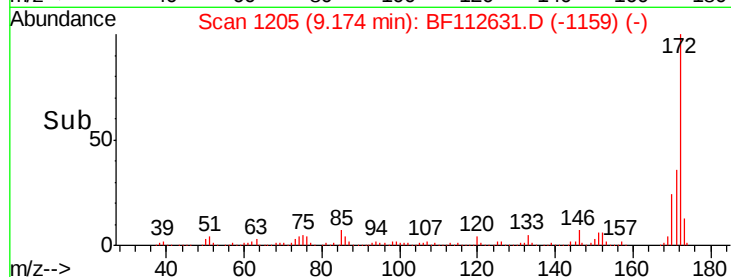
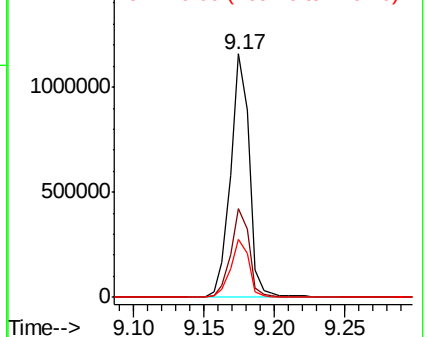


Abundance

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



#50

Dimethylphthalate

Concen: 7.429 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

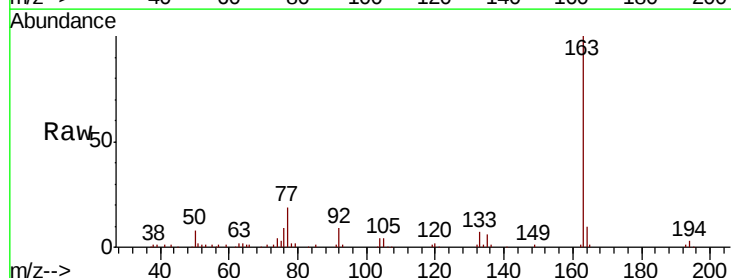
Tgt Ion:163 Resp: 114353

Ion Ratio Lower Upper

163 100

194 3.2 3.3 4.9#

164 10.4 8.5 12.7

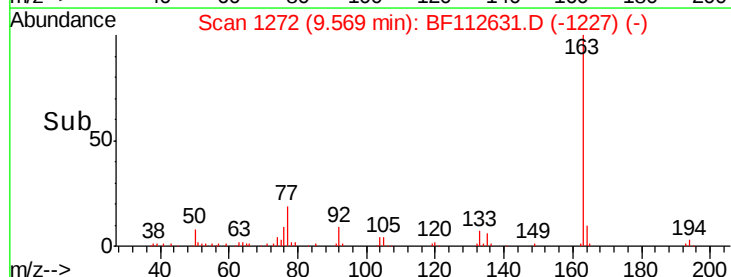
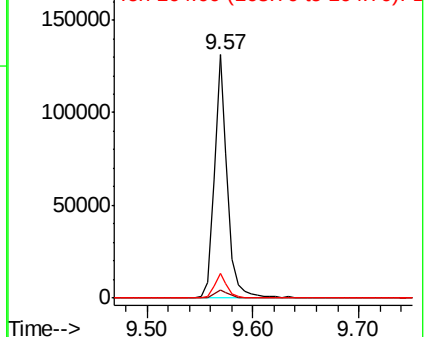


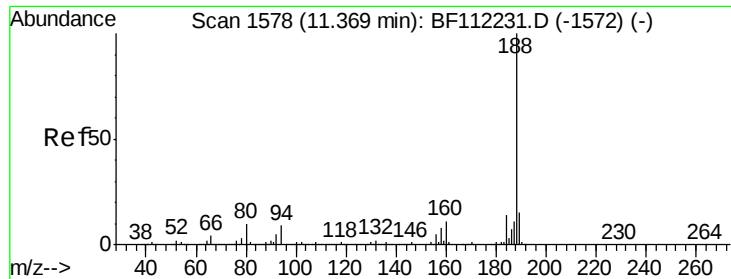
Abundance

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





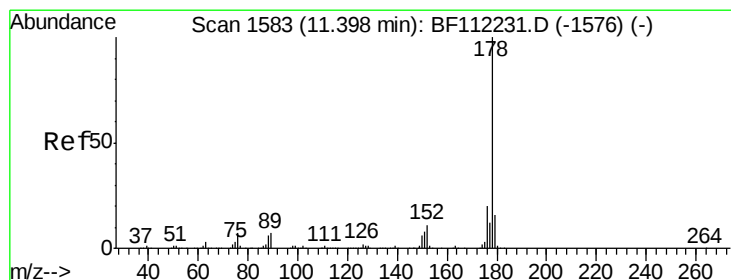
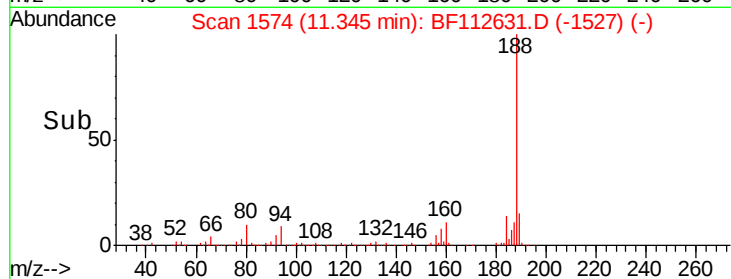
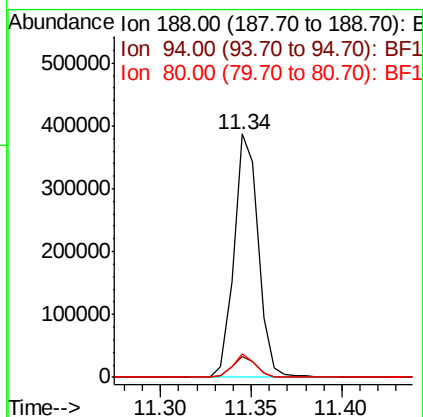
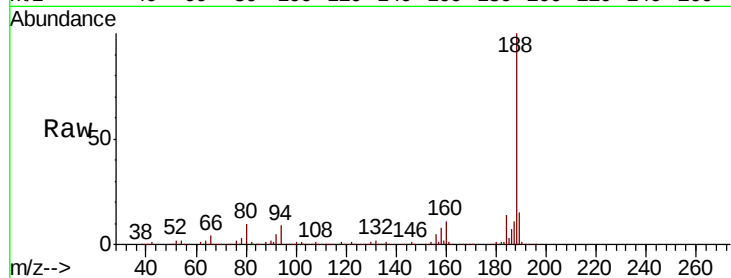
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	361955		
94	8.7		8.2	12.2
80	9.8		8.9	13.3

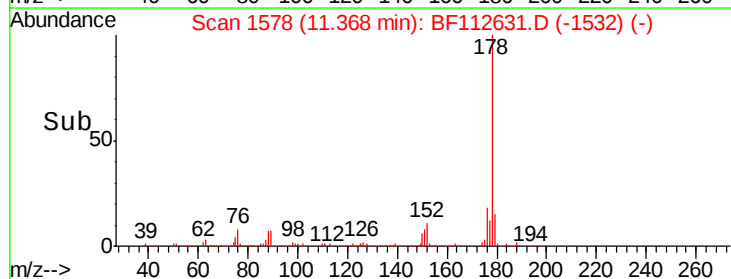
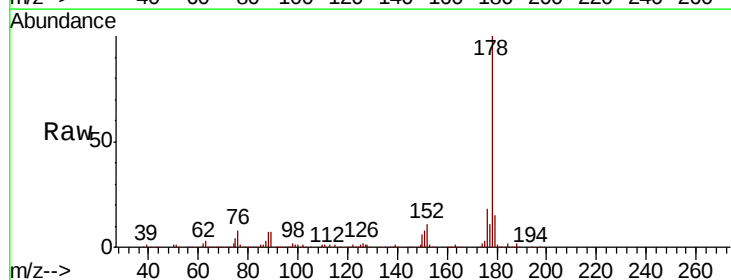
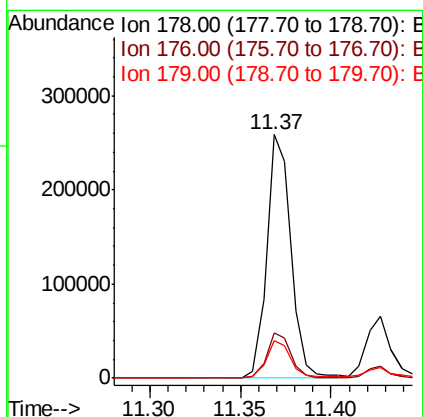
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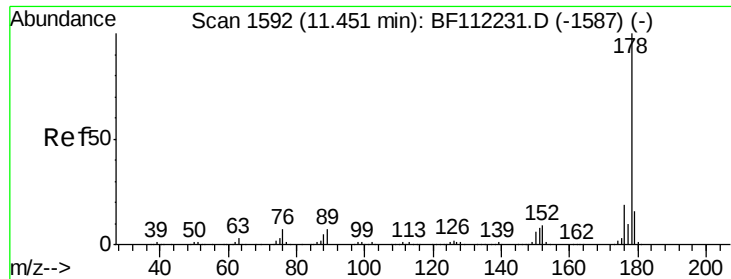
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#71
Phenanthrene
Concen: 12.693 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.03 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	238850		
176	18.4		16.3	24.5
179	15.2		13.0	19.4





#72

Anthracene

Concen: 3.442 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

Instrument :

BNA_F

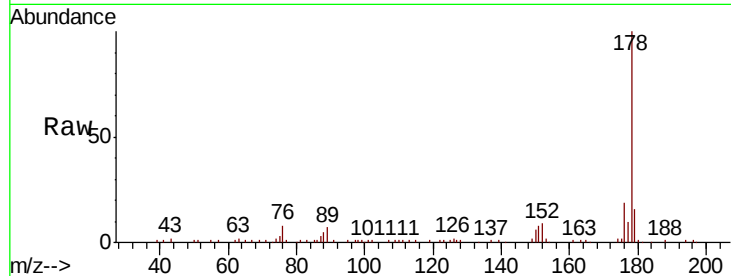
ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	16.5	12.8	19.2

Manual Integrations
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2/20/2019 11:12:48 AM

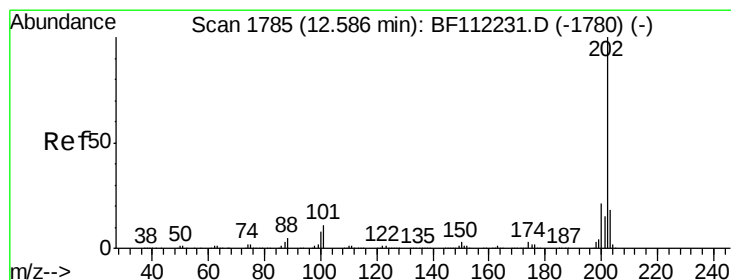
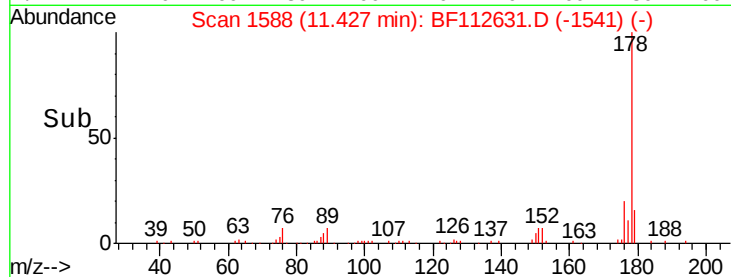
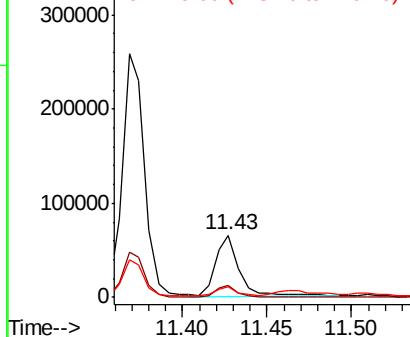


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 27.032 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112631.D

Acq: 19 Feb 2019 20:02

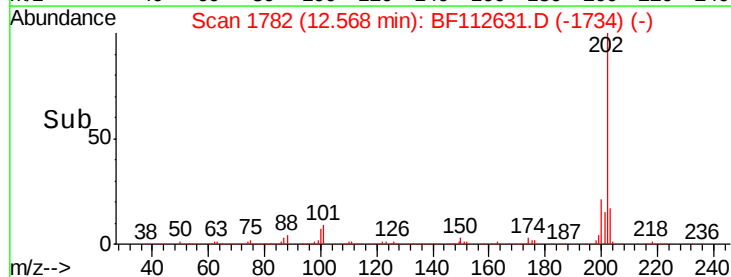
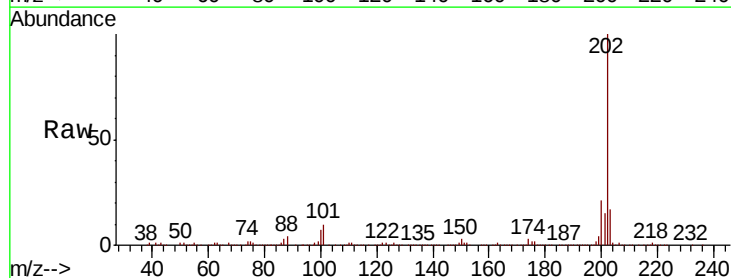
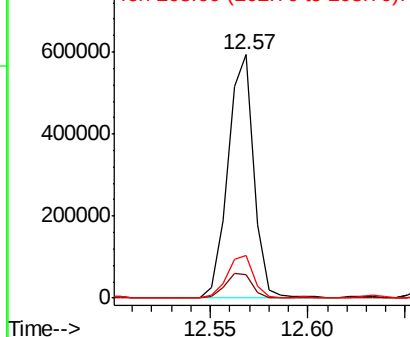
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.8
203	17.4	0.0	38.4

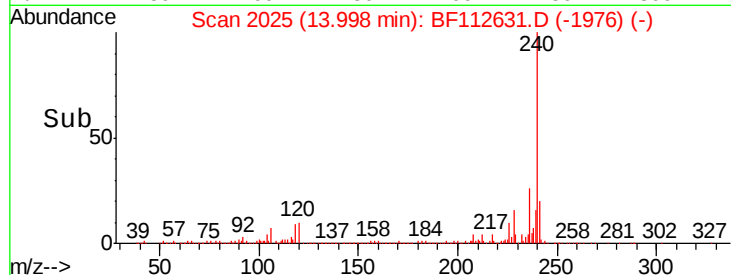
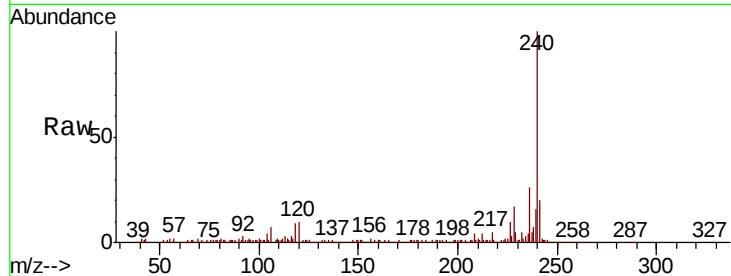
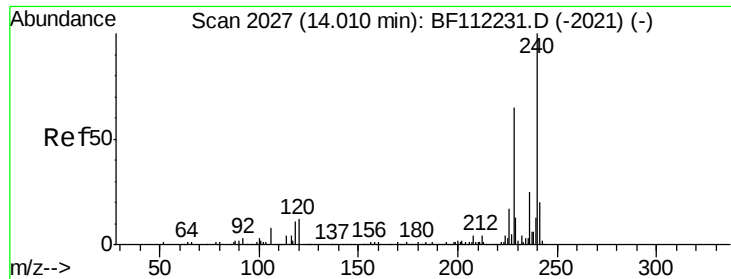
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





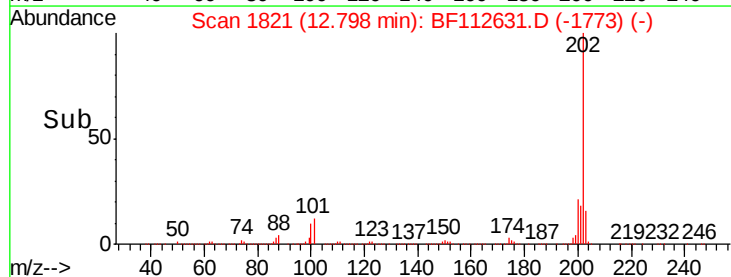
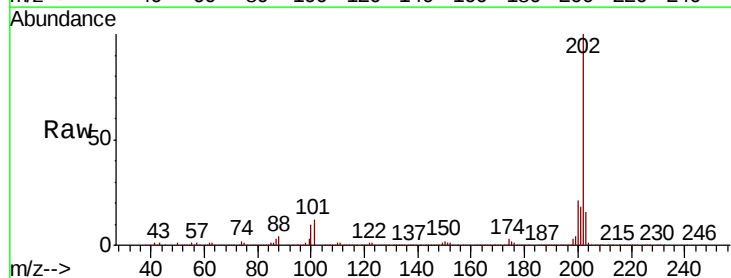
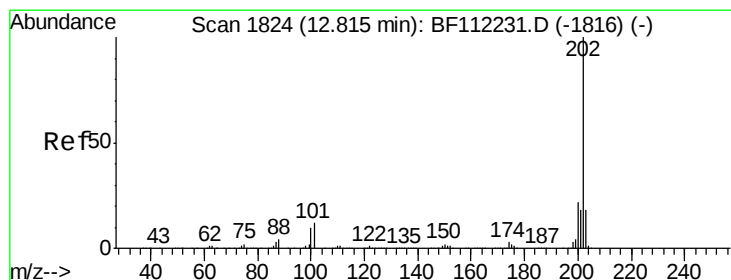
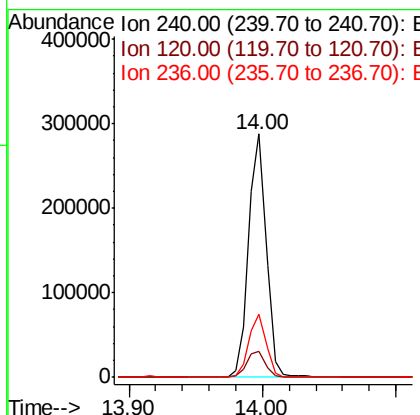
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tot Ion	Ratio	Resp	Lower	Upper
240	100	258189		
120	10.5		9.0	13.6
236	25.8		20.7	31.1

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

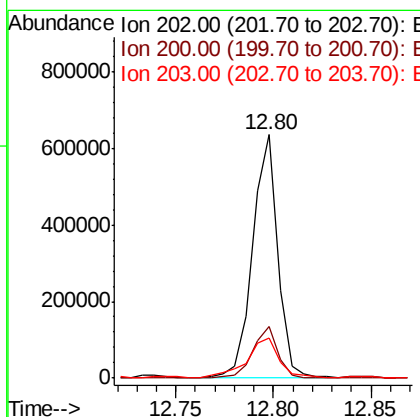
Manual Integrations
APPROVED

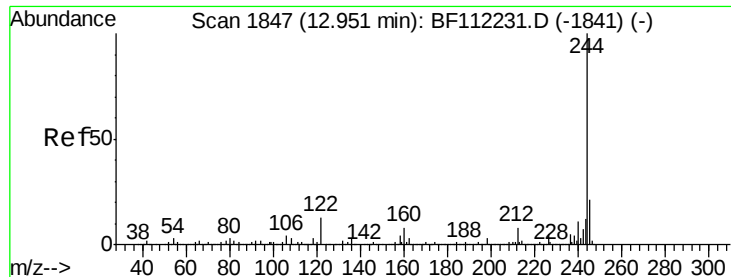
Sohil
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#78
Pyrene
Concen: 31.541 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	563815		
200	21.0		17.7	26.5
203	16.3		14.6	22.0





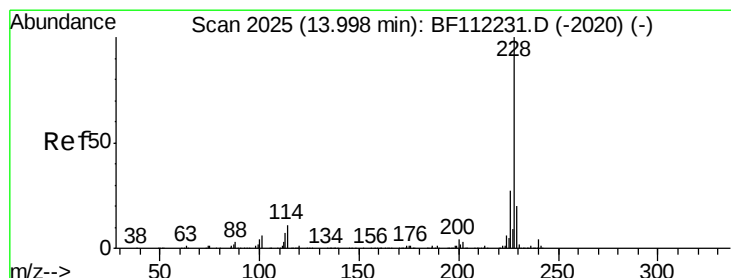
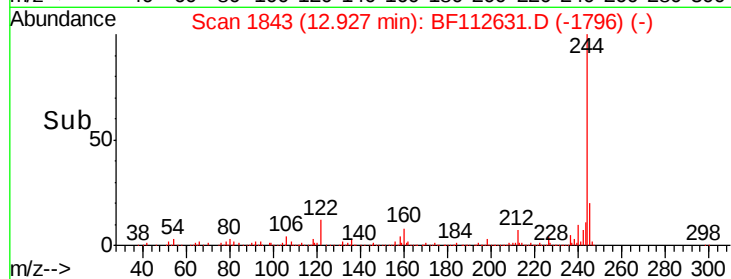
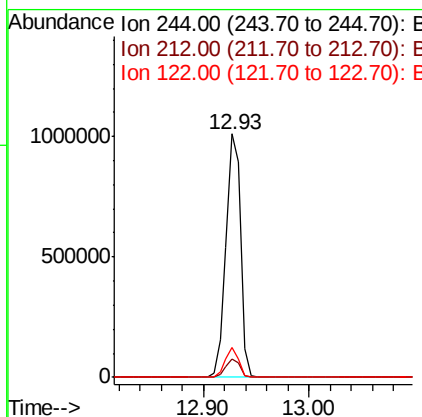
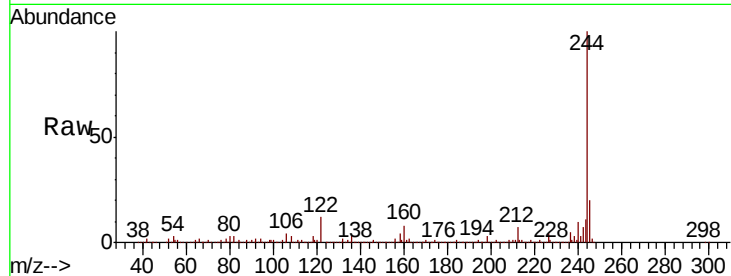
#79
 Terphenyl-d14
 Concen: 71.214 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.02 min
 Lab File: BF112631.D
 Acq: 19 Feb 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	12.4	9.8	14.6

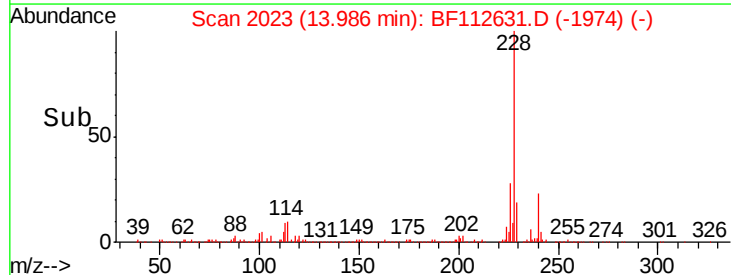
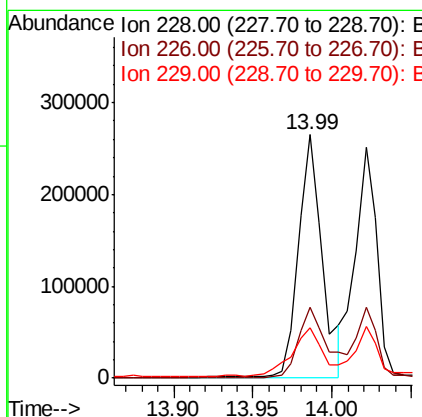
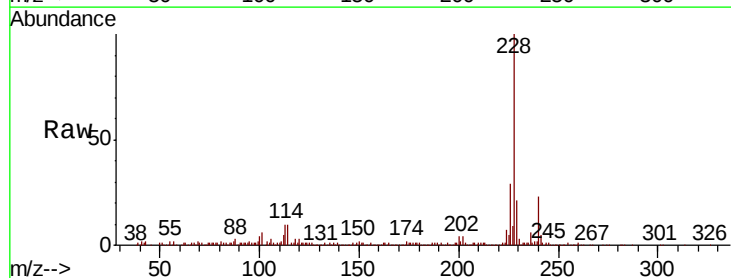
Manual Integrations
 APPROVED

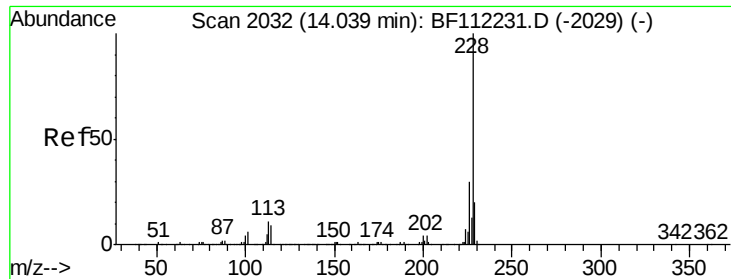
Sohil
 2/20/2019 11:12:48 AM



#81
 Benzo(a)anthracene
 Concen: 18.162 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF112631.D
 Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	34.0
229	20.5	16.5	24.7





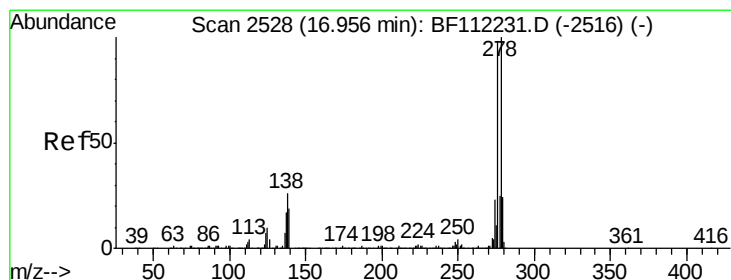
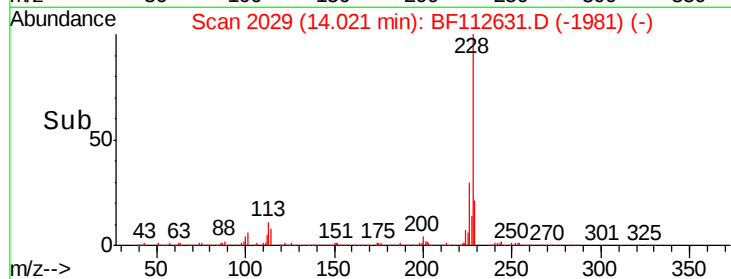
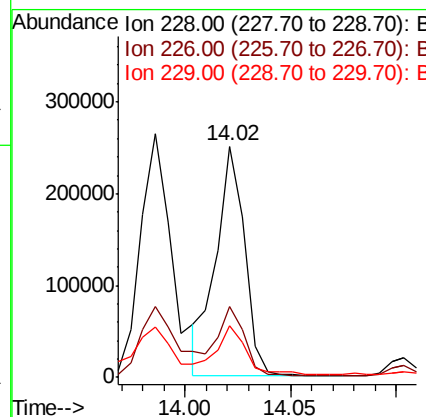
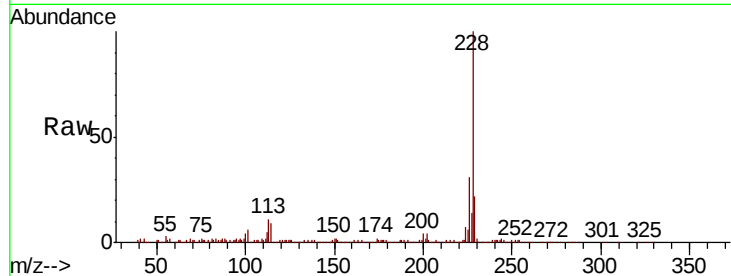
#83
Chrysene
Concen: 16.369 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.7	25.0	37.6		
229	22.3	16.6	24.8		

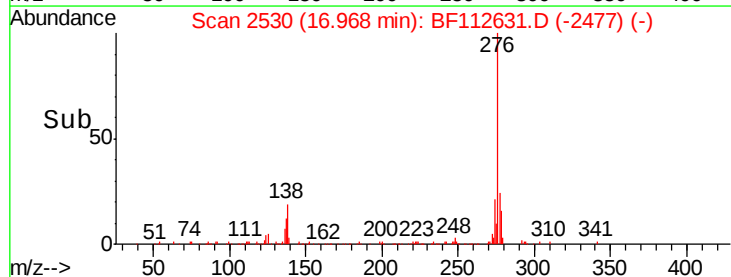
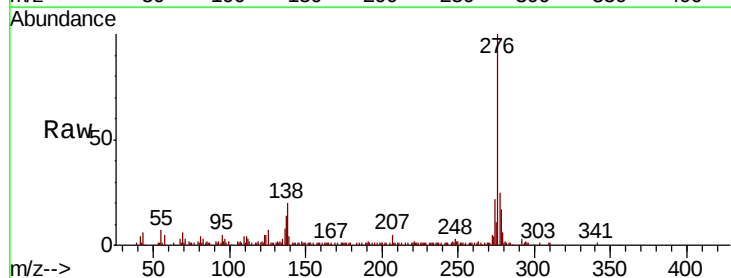
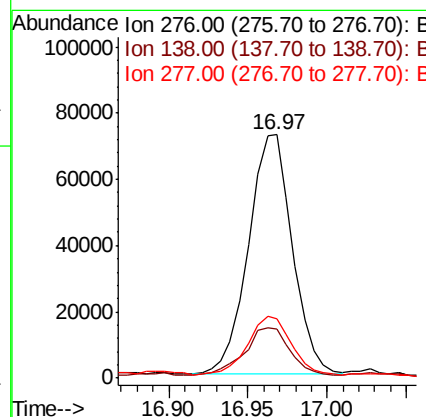
Manual Integrations
APPROVED

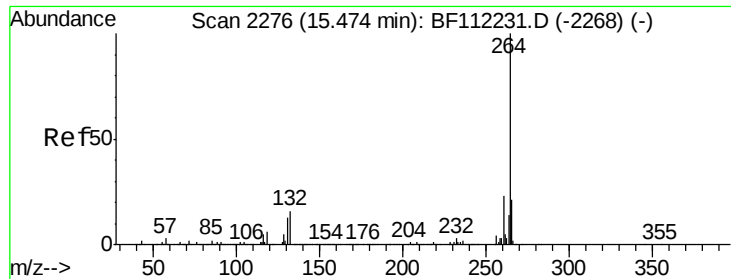
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.129 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	20.8	22.6	34.0#		
277	24.7	20.3	30.5		





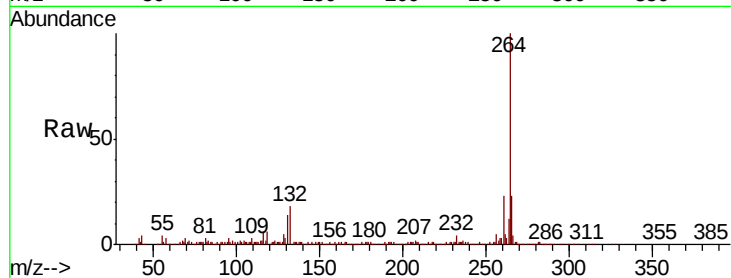
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.8	17.0	25.4

Manual Integrations
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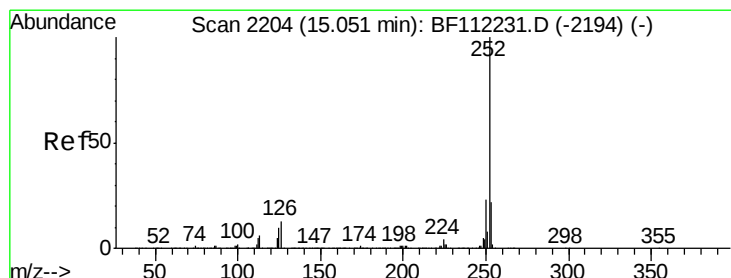
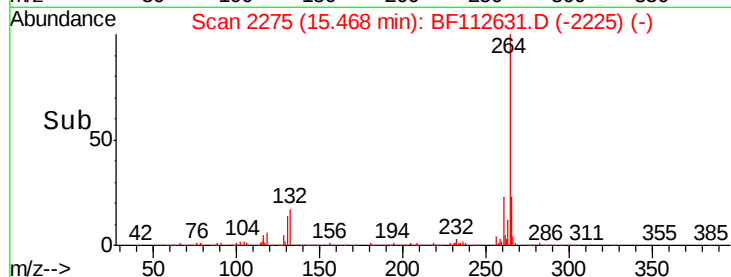
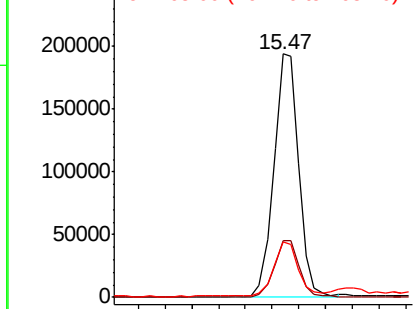


Abundance

Ion 264.00 (263.70 to 264.70): E

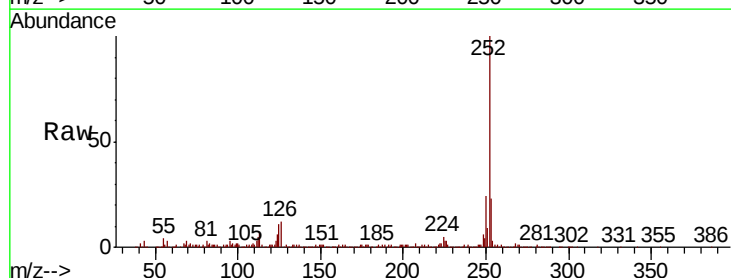
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 23.171 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.9	8.7	13.1

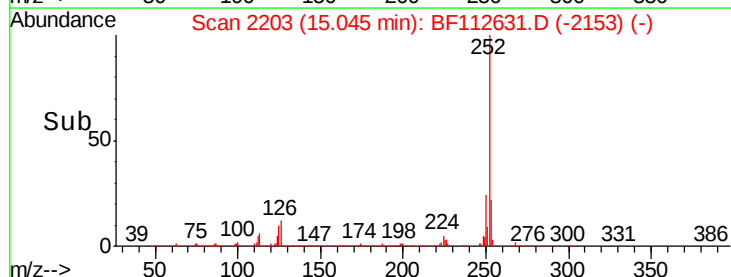
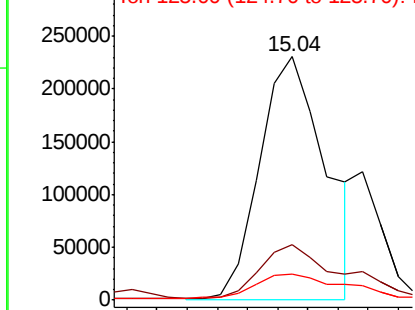


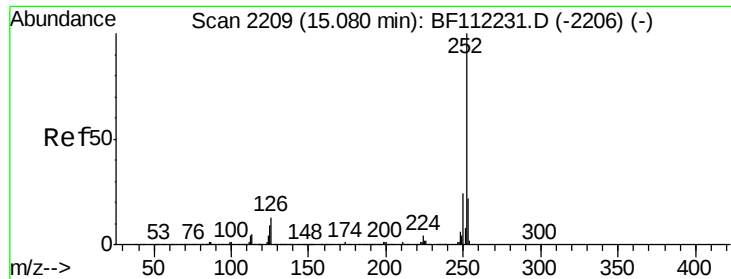
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





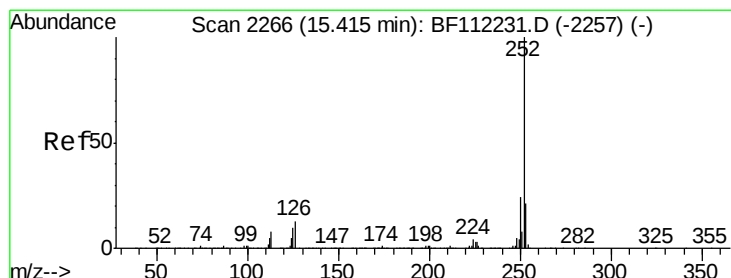
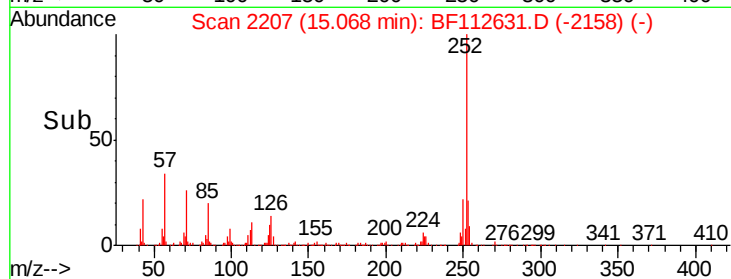
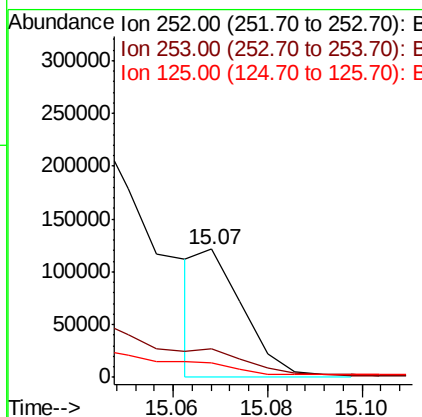
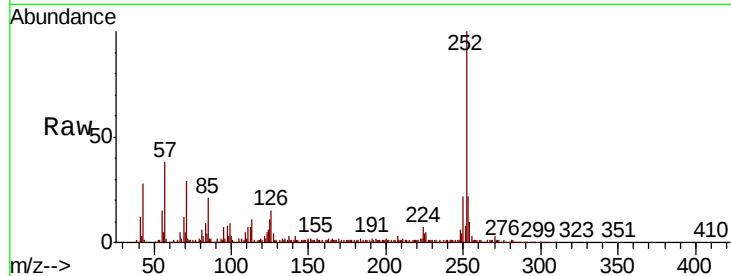
#89
Benzo(k)fluoranthene
Concen: 5.488 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.4	9.1	13.7

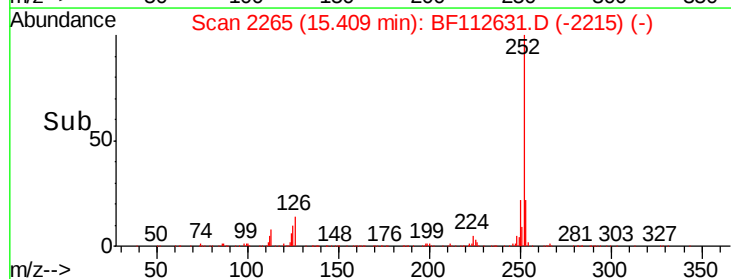
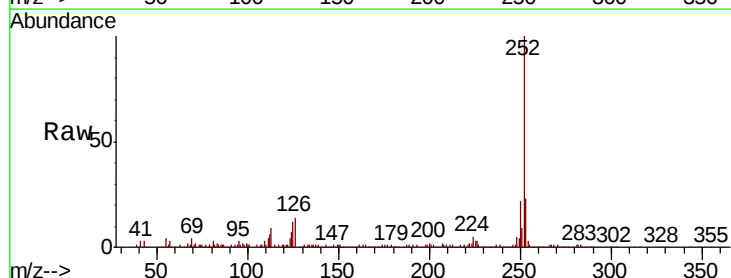
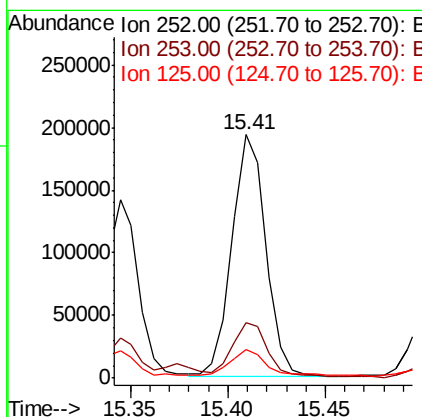
Manual Integrations
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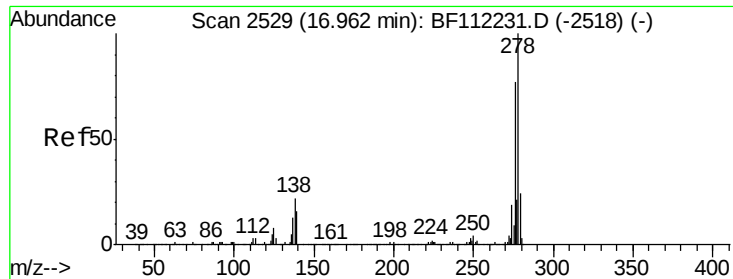
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#90
Benzo(a)pyrene
Concen: 17.135 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.5	9.0	13.4





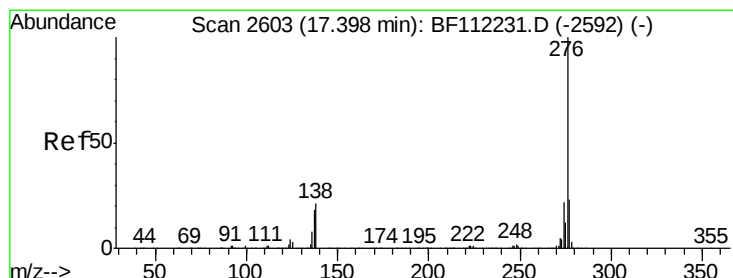
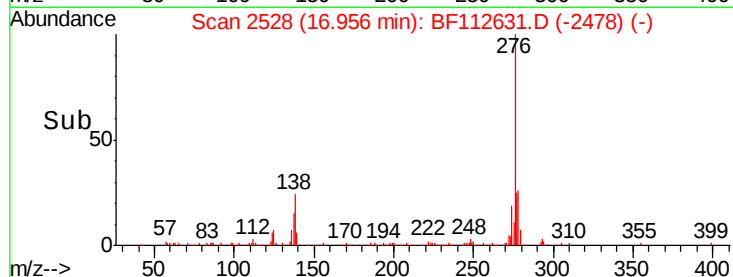
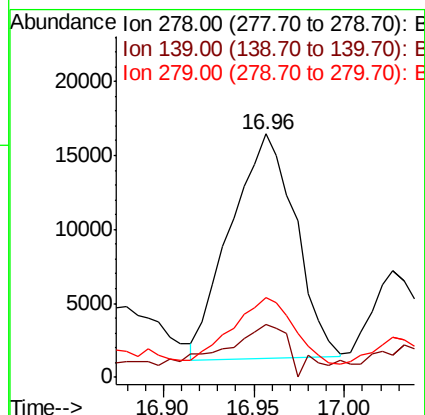
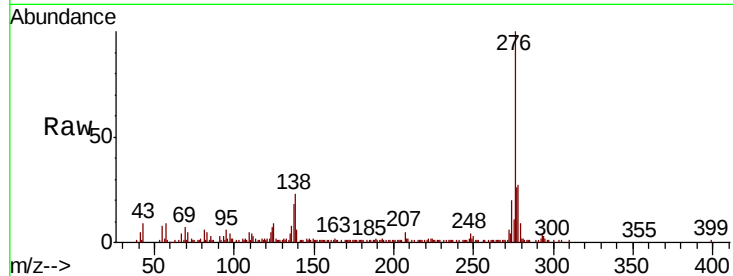
#91
Dibenzo(a,h)anthracene
Concen: 3.425 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.8	13.7	20.5#
279	32.9	19.0	28.6#

Manual Integrations
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2/20/2019 11:12:48 AM



#92
Benzo(g,h,i)perylene
Concen: 12.146 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.02 min
Lab File: BF112631.D
Acq: 19 Feb 2019 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	24.2	19.1	28.7

