

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111475.D
 Acq On : 15 Dec 2018 18:16
 Operator : JU/SJ
 Sample : J6199-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-B

Manual Integrations
 APPROVED

Sohil
 12/17/2018 3:12:17 PM

Quant Time: Dec 16 01:42:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	182635	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	724289	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	307994	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	560366	20.00	ng	0.00
76) Chrysene-d12	13.95	240	491206	20.00	ng	0.00
87) Perylene-d12	15.39	264	347733	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	233235	21.25	ng	0.00
7) Phenol-d6	6.43	99	311946	21.37	ng	-0.01
23) Nitrobenzene-d5	7.35	82	177636	14.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	55372	20.07	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	351519	17.63	ng	0.00
79) Terphenyl-d14	12.90	244	317812	15.19	ng	0.00
Target Compounds						
71) Phenanthrene	11.33	178	356712	12.354	ng	93
72) Anthracene	11.39	178	87888	2.976	ng	94
75) Fluoranthene	12.53	202	521408	18.458	ng	97
78) Pyrene	12.76	202	518991	14.986	ng	95
81) Benzo(a)anthracene	13.94	228	248016	9.286	ng	99
83) Chrysene	13.97	228	233126	8.286	ng	98
86) Indeno(1,2,3-cd)pyrene	16.81	276	70314	3.463	ng	# 91
88) Benzo(b)fluoranthene	14.98	252	193400m	9.540	ng	
89) Benzo(k)fluoranthene	15.00	252	57166m	2.951	ng	
90) Benzo(a)pyrene	15.33	252	148304	8.112	ng	97
92) Benzo(g,h,i)perylene	17.23	276	66365	4.688	ng	98

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

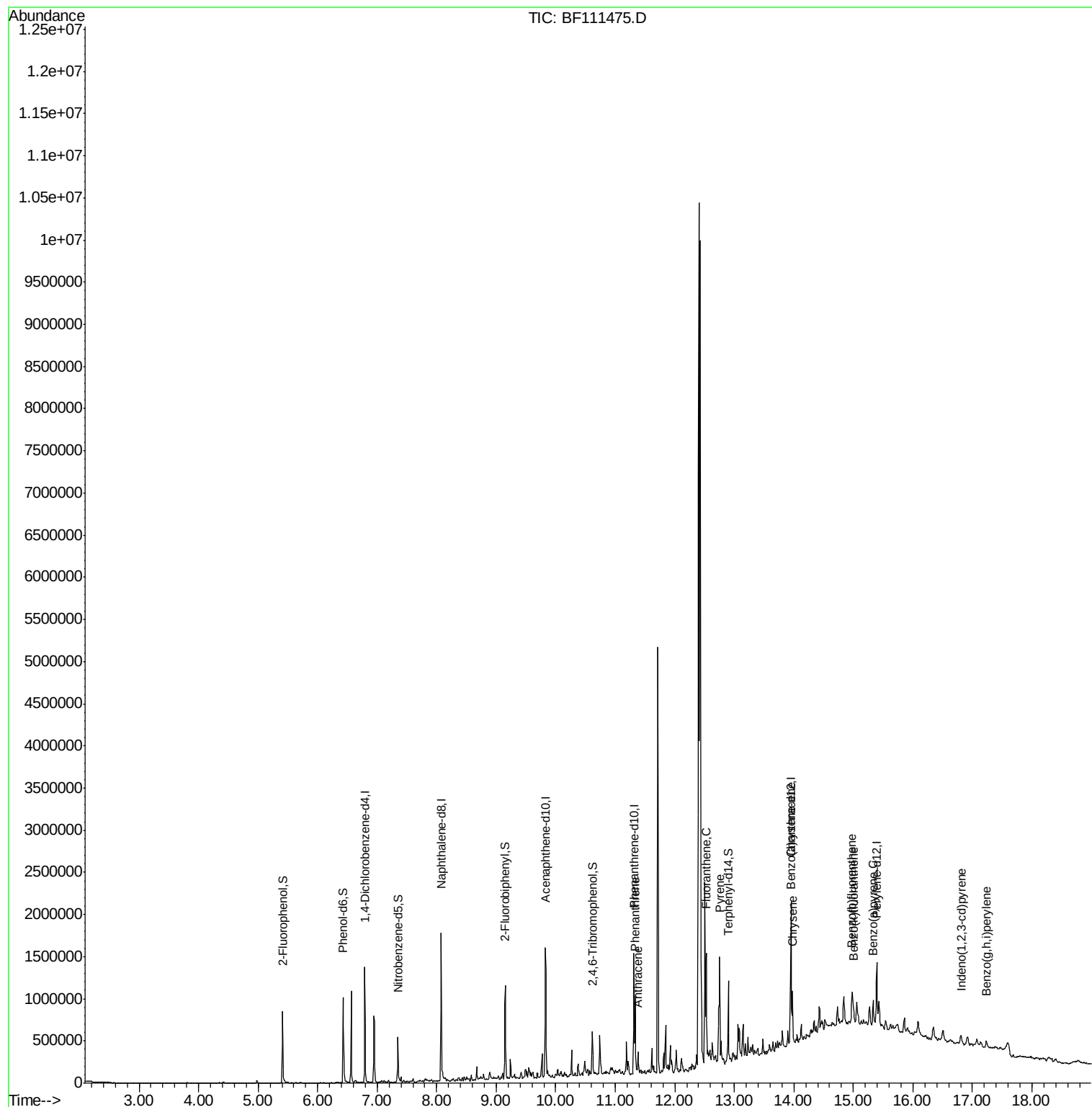
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111475.D
Acq On : 15 Dec 2018 18:16
Operator : JU/SJ
Sample : J6199-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

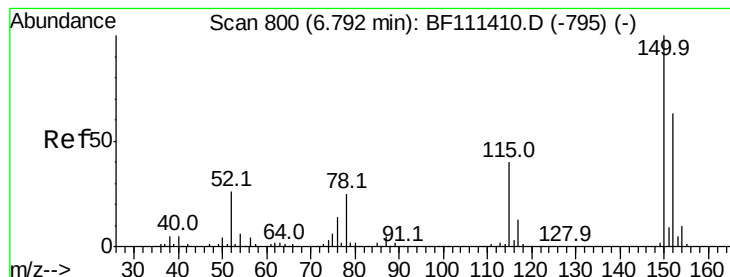
Instrument :
BNA_F
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SU-04-121218-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
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#1

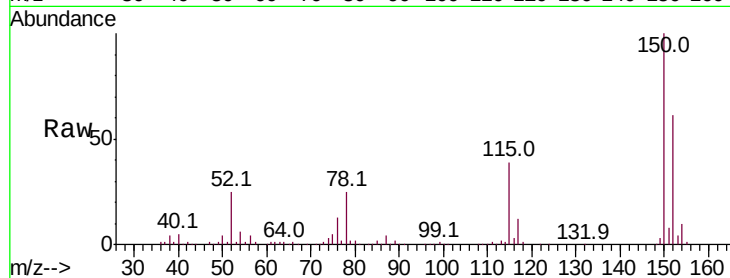
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	126.6	189.8
115	63.3	50.7	76.1

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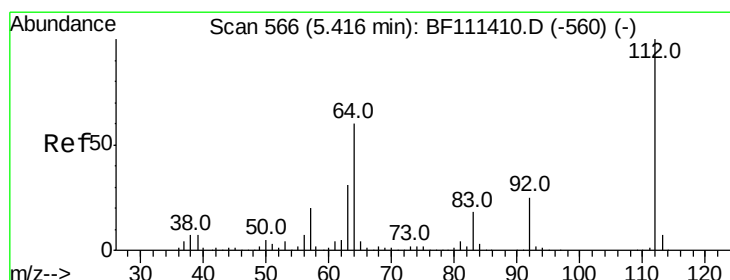
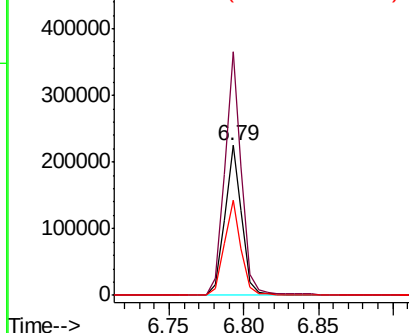
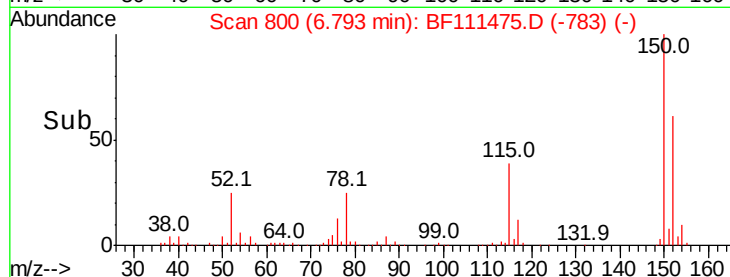


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

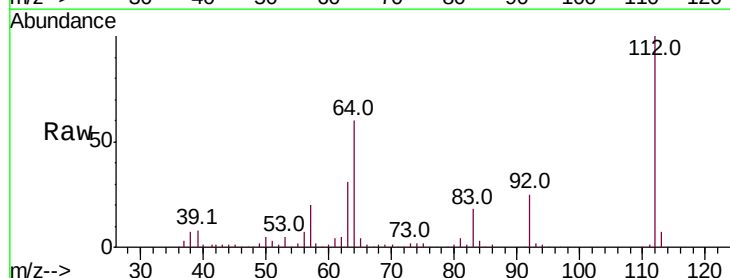
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.251 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	51.8	77.6
63	31.0	26.8	40.2

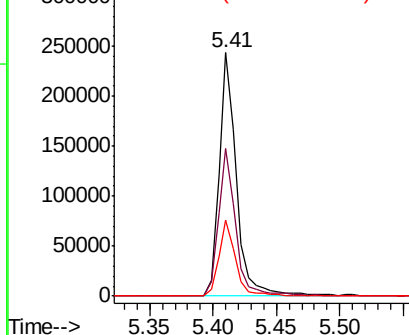
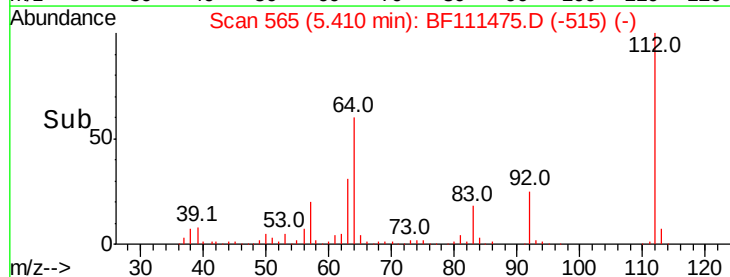


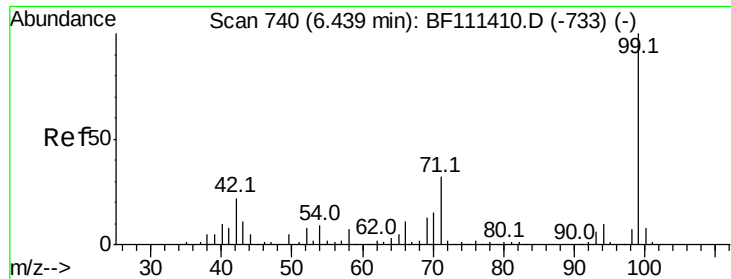
Abundance

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: 21.368 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

Instrument :

BNA_F

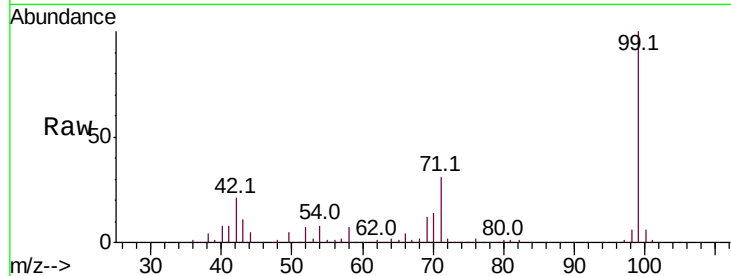
ClientSampleId :

SU-04-121218-B

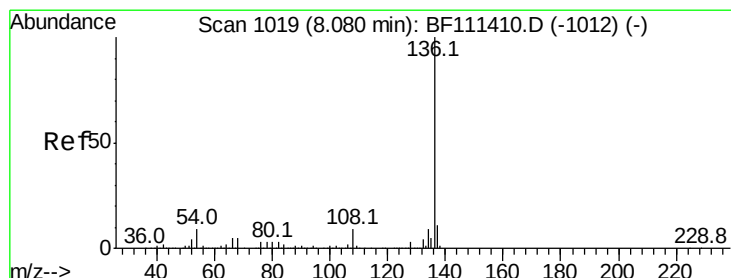
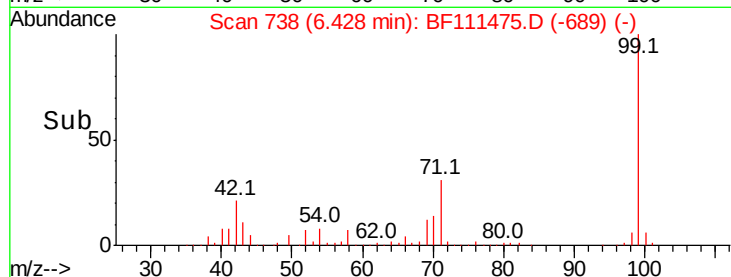
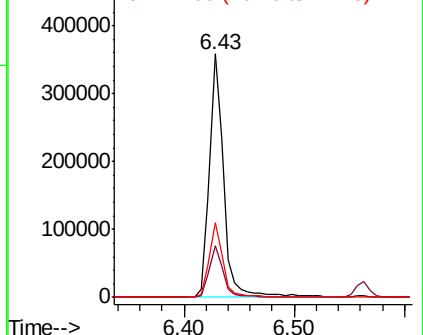
Tot Ion:	99	Resp:	311946
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.4	26.0
71	30.8	26.1	39.1

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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: 8.07 min Scan# 1018

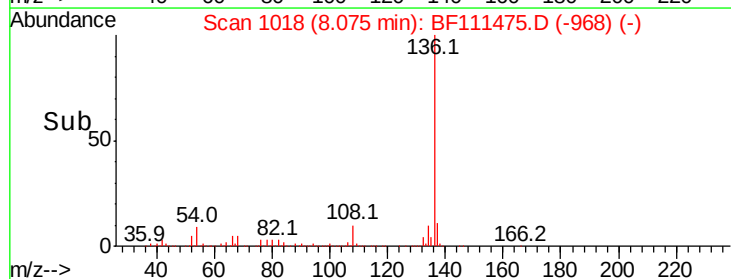
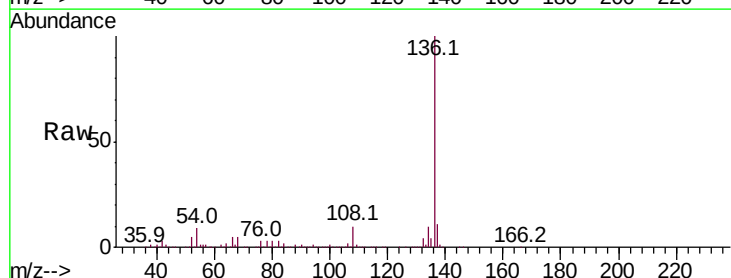
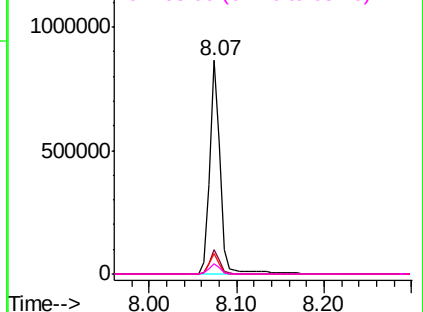
Delta R.T. -0.01 min

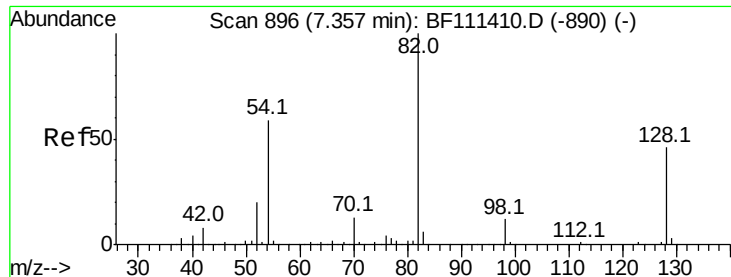
Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

Tgt Ion:	136	Resp:	724289
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.4	7.7	11.5
68	5.1	4.9	7.3

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





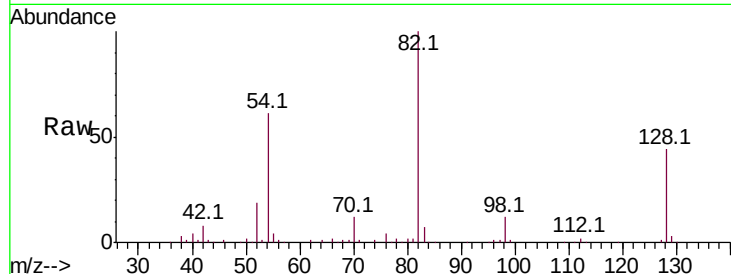
#23
Nitrobenzene-d5
Concen: 14.605 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.4	56.2
54	61.2	47.6	71.4

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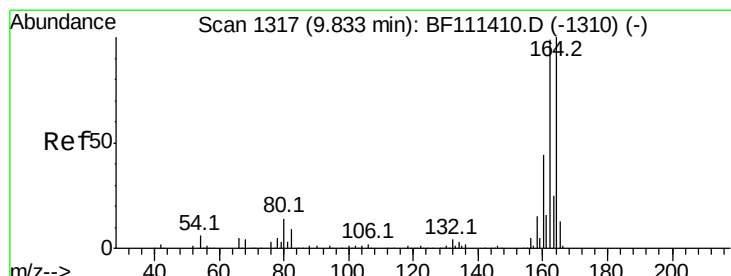
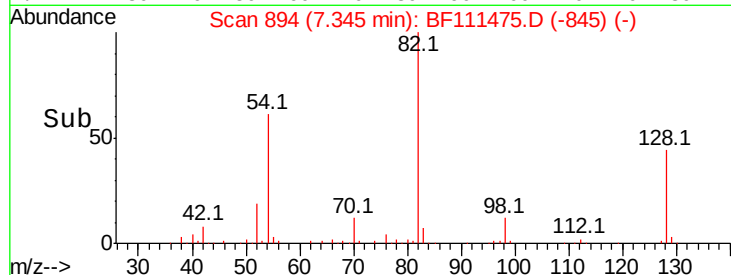
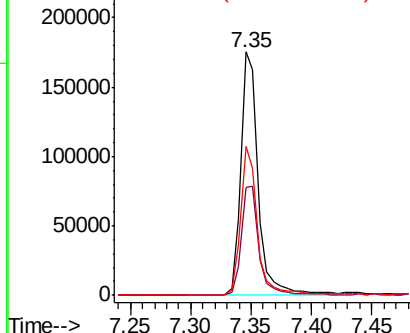


Abundance

Ion 82.00 (81.70 to 82.70): BF1

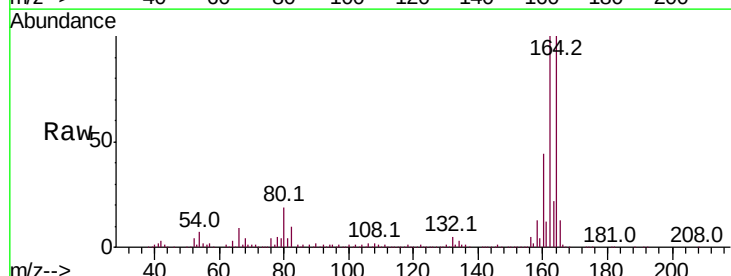
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.4	122.0
160	43.8	35.7	53.5

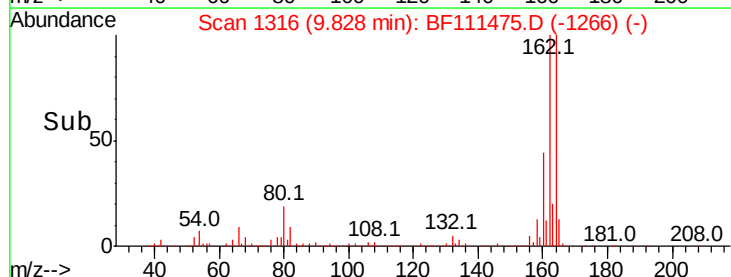
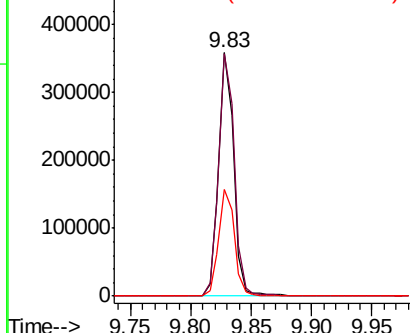


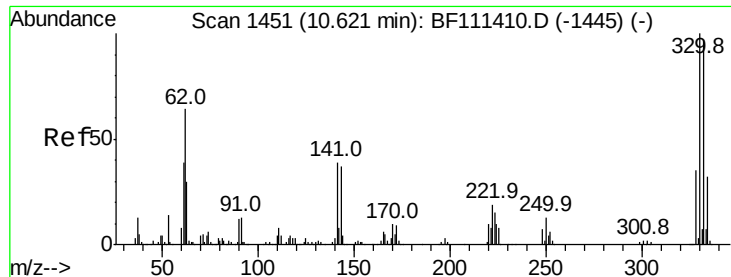
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 20.070 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-B

Tot Ion:330 Resp: 55372

Ion Ratio Lower Upper

330 100

332 94.8 76.0 114.0

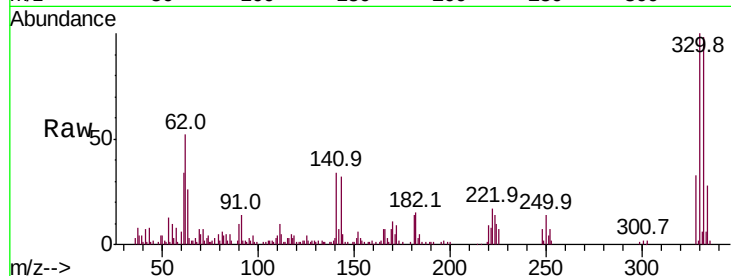
141 37.7 31.0 46.6

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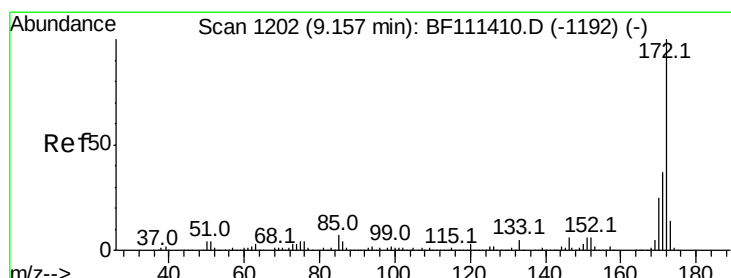
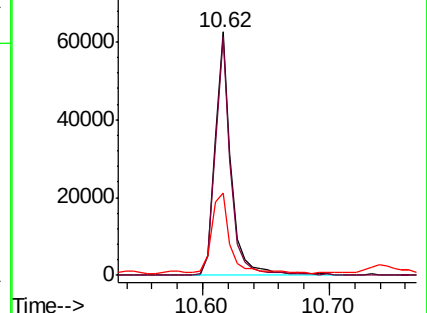
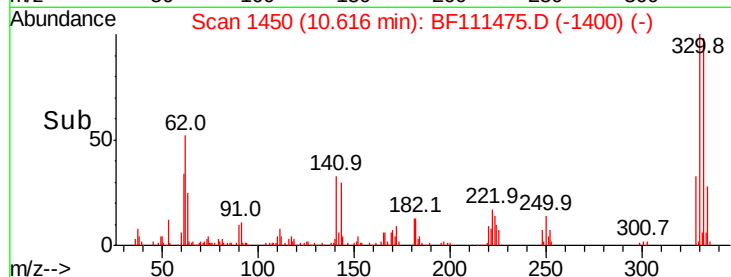
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 17.629 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

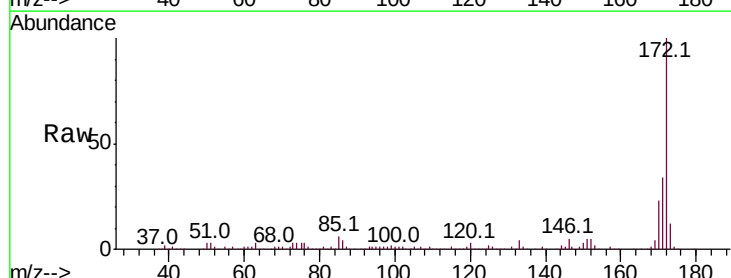
Tgt Ion:172 Resp: 351519

Ion Ratio Lower Upper

172 100

171 34.4 33.0 49.4

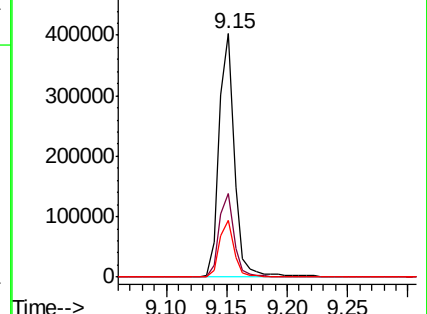
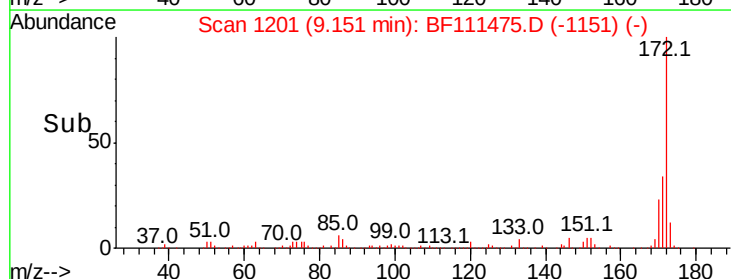
170 23.2 22.3 33.5

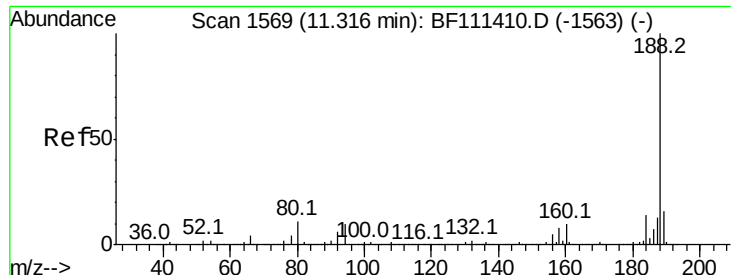


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





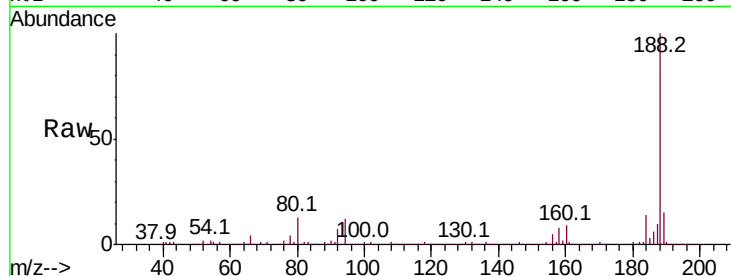
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

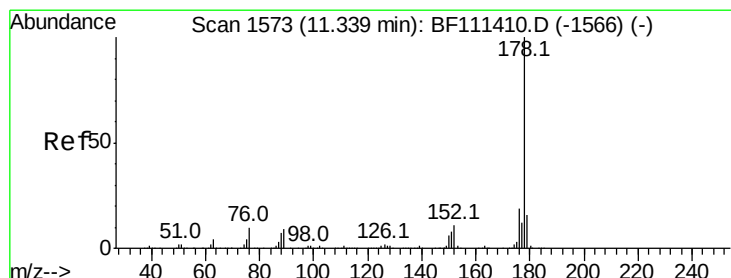
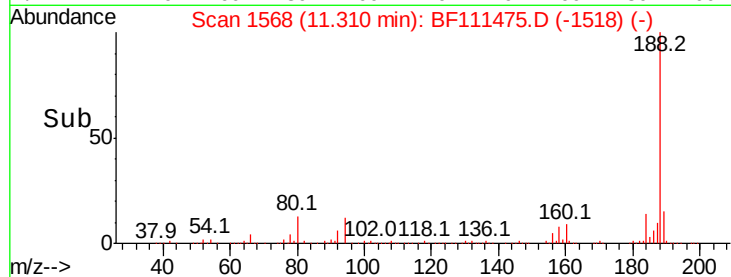
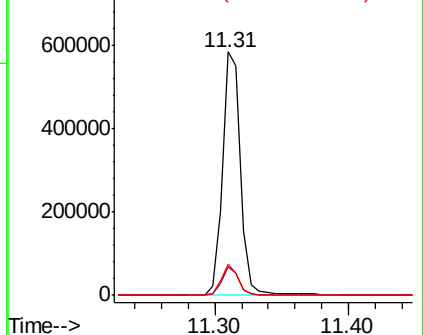
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.8	9.6	14.4
80	12.7	9.8	14.6

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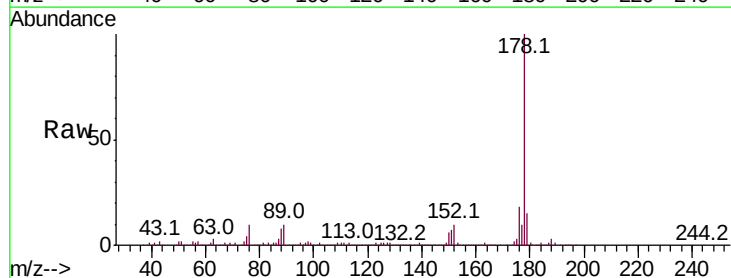


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

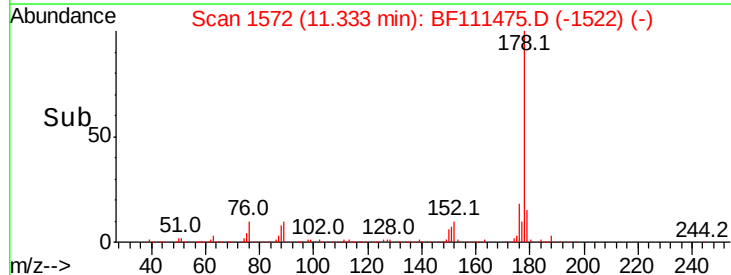
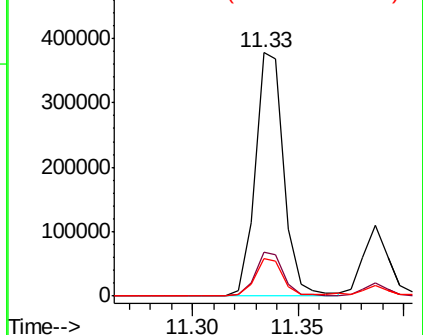


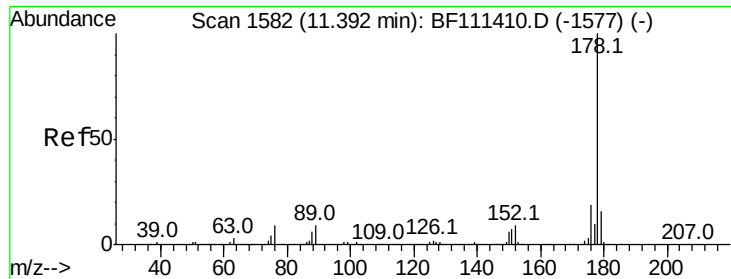
#71
Phenanthrene
Concen: 12.354 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	18.1	27.1
179	15.3	14.0	21.0



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





#72

Anthracene

Concen: 2.976 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-B

Tot Ion:178 Resp: 87888

Ion Ratio Lower Upper

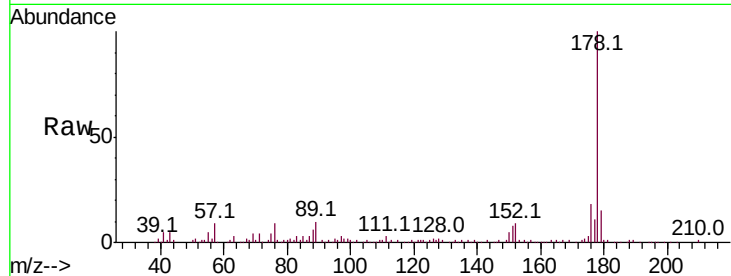
178 100

176 17.9 17.2 25.8

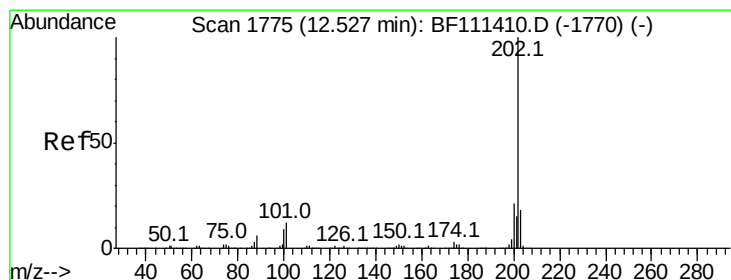
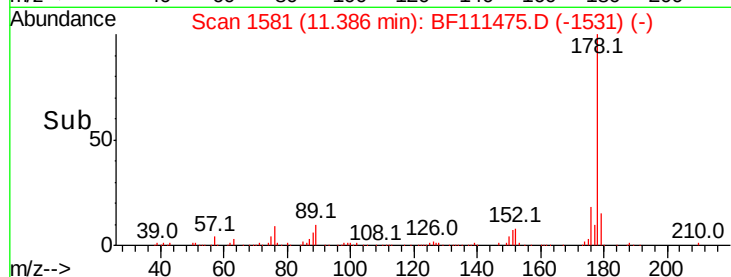
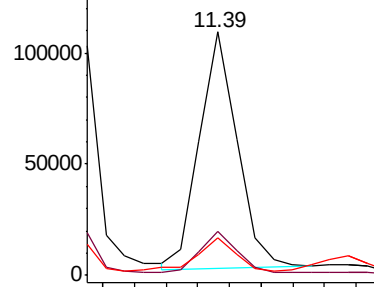
179 15.3 13.8 20.8

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Abundance Ion 178.00 (177.70 to 178.70): E
150000 Ion 176.00 (175.70 to 176.70): E
100000 Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.458 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

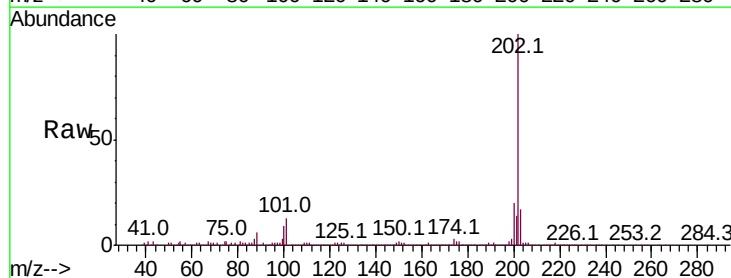
Tgt Ion:202 Resp: 521408

Ion Ratio Lower Upper

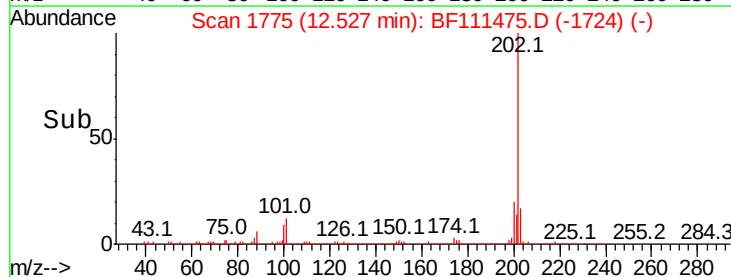
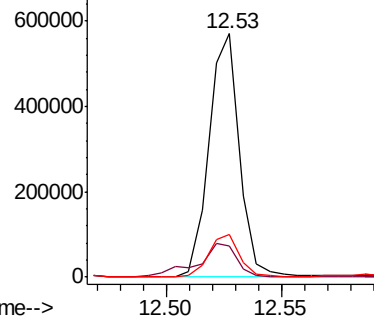
202 100

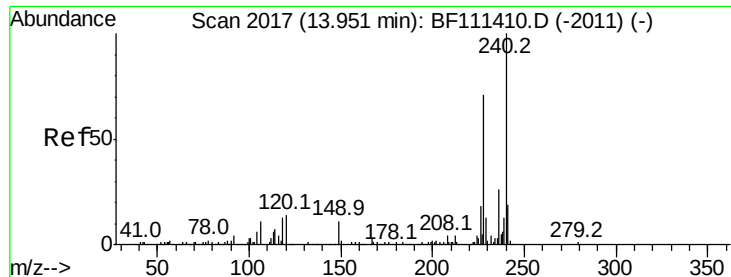
101 12.6 0.0 33.8

203 17.4 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E
600000 Ion 101.00 (100.70 to 101.70): E
400000 Ion 203.00 (202.70 to 203.70): E





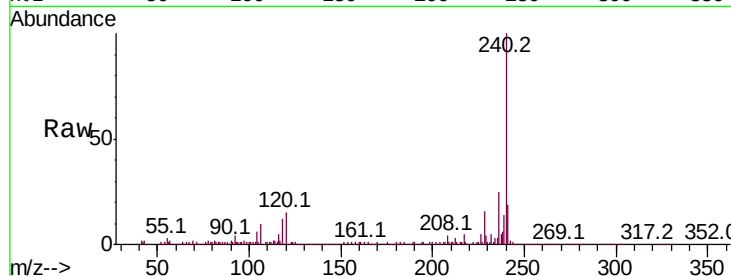
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

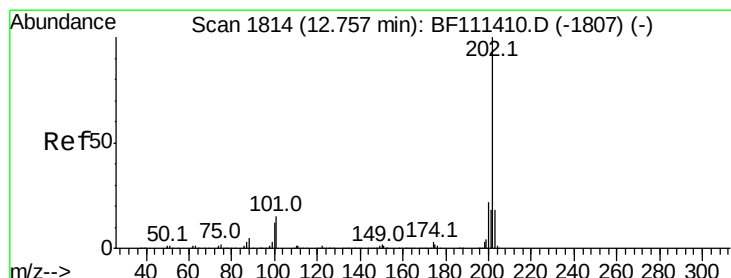
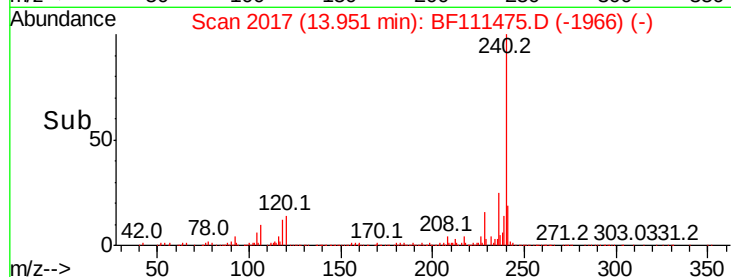
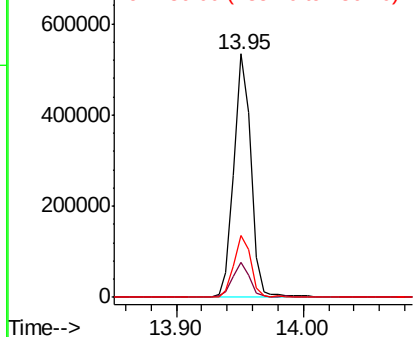
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	12.2	18.2
236	25.5	20.2	30.2

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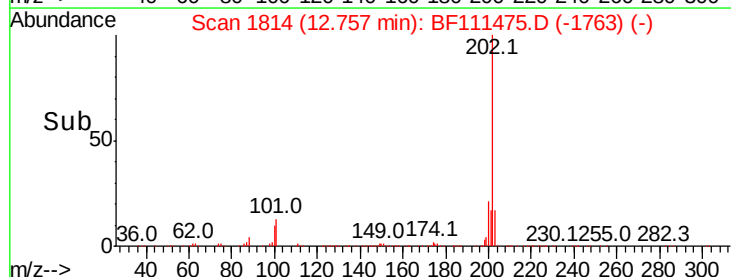
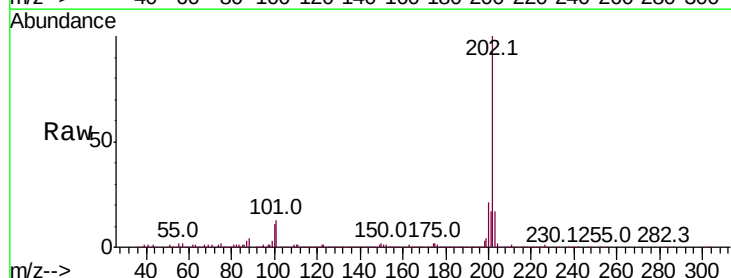
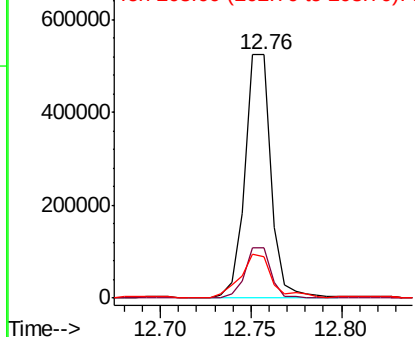
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

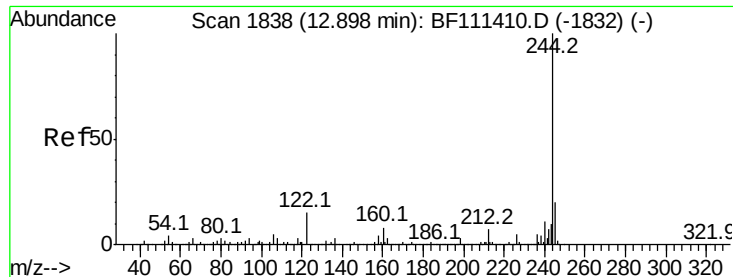


#78
Pyrene
Concen: 14.986 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	19.0	28.4
203	17.2	15.2	22.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





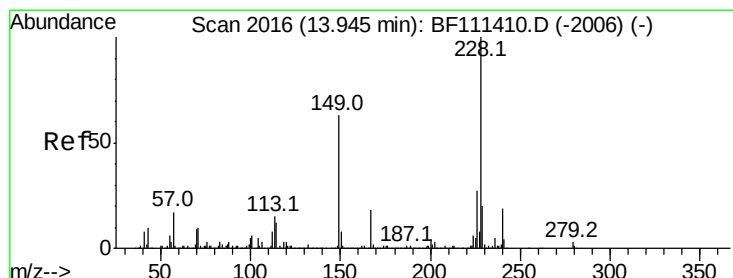
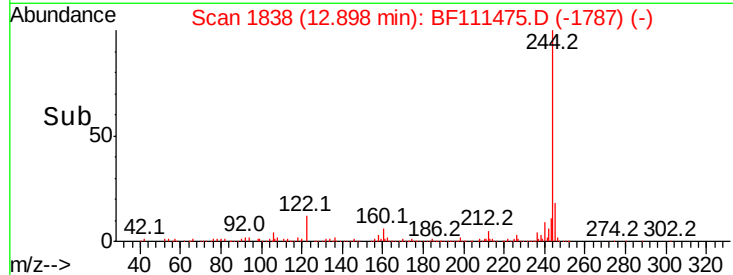
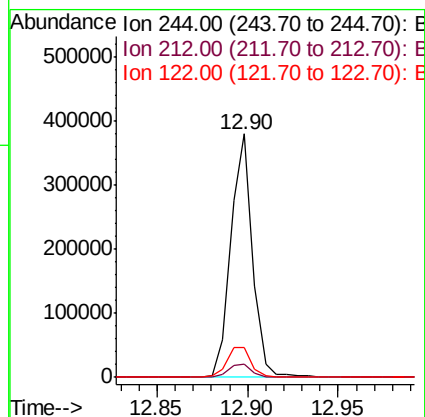
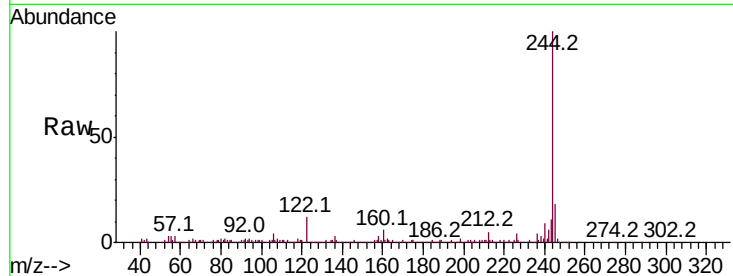
#79
 Terphenyl-d14
 Concen: 15.193 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111475.D
 Acq: 15 Dec 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.5	5.7	8.5#
122	12.0	13.1	19.7#

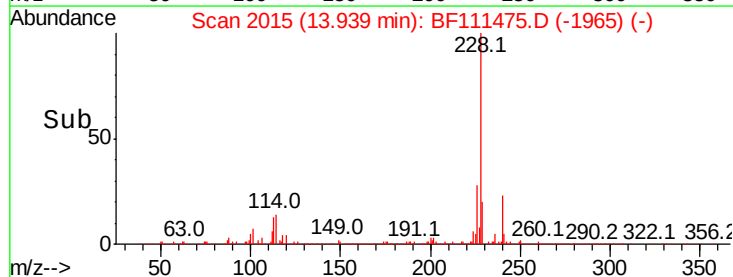
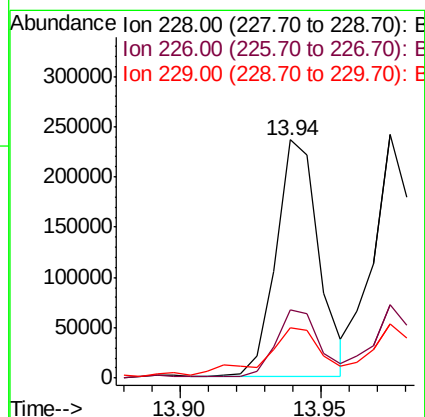
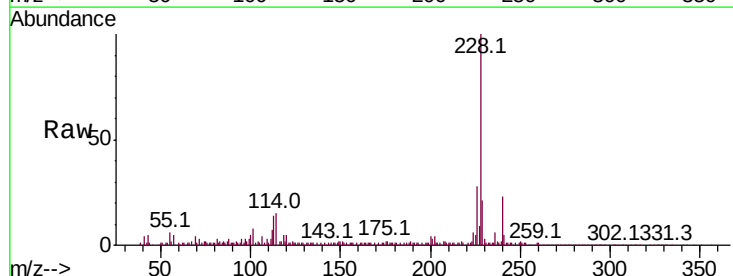
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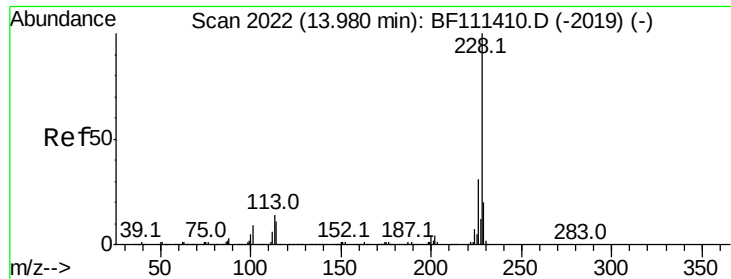
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#81
 Benzo(a)anthracene
 Concen: 9.286 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111475.D
 Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	21.3	16.3	24.5





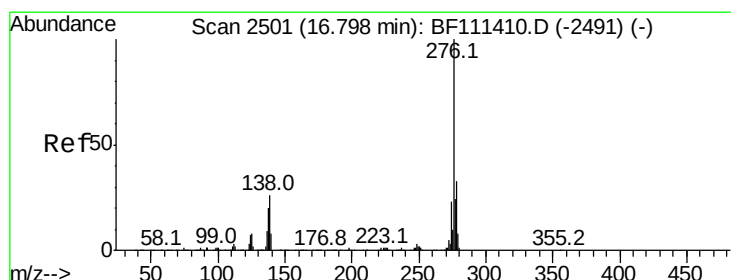
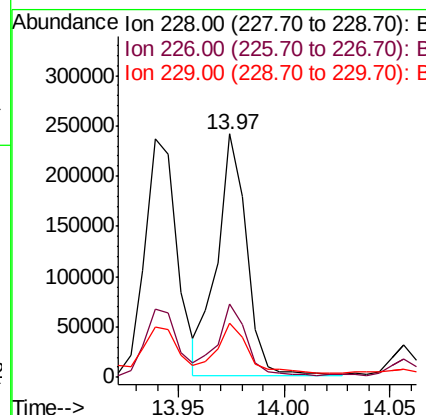
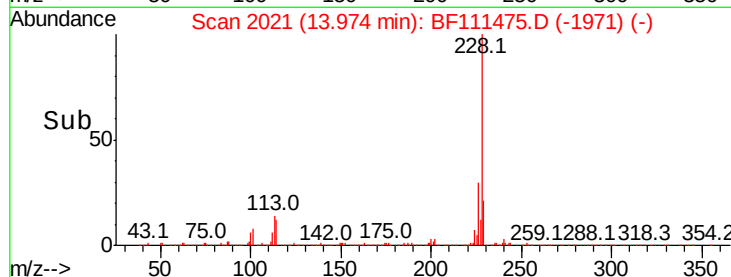
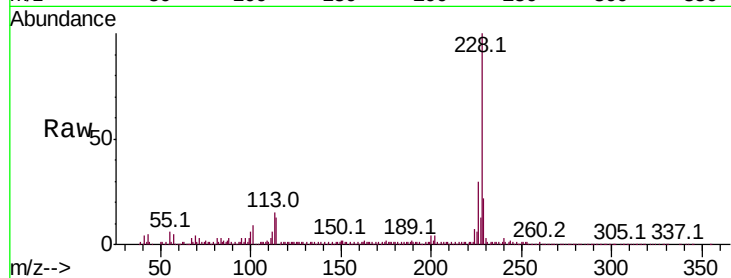
#83
Chrysene
Concen: 8.286 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.3	37.9
229	22.4	17.2	25.8

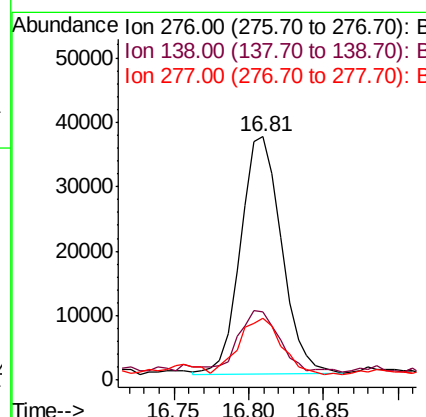
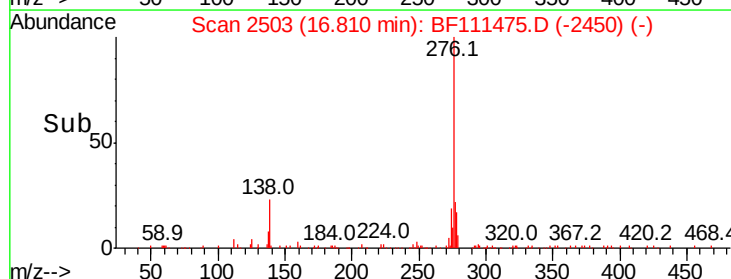
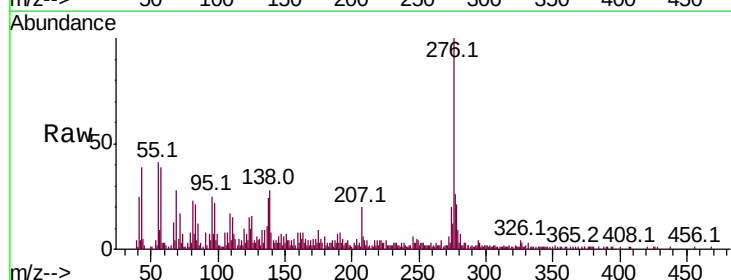
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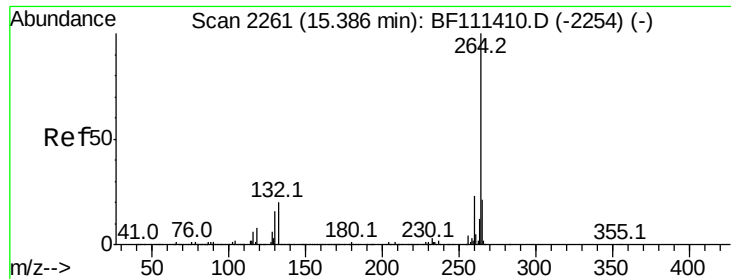
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.463 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	27.8	41.6#
277	25.4	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111475.D

Acq: 15 Dec 2018 18:16

Instrument :

BNA_F

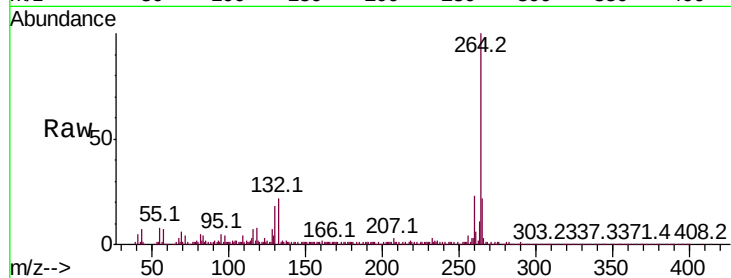
ClientSampleId :

SU-04-121218-B

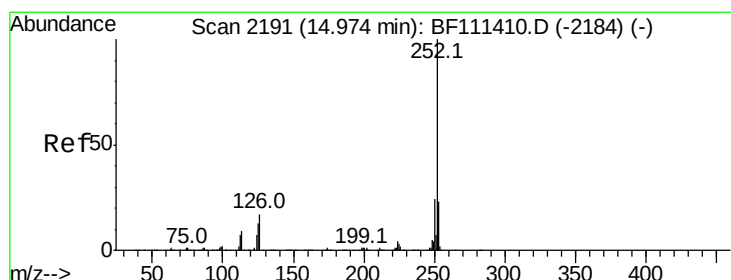
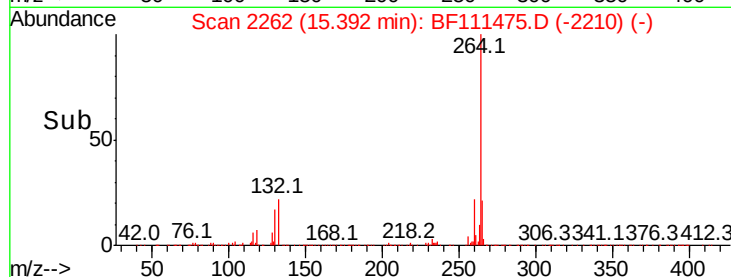
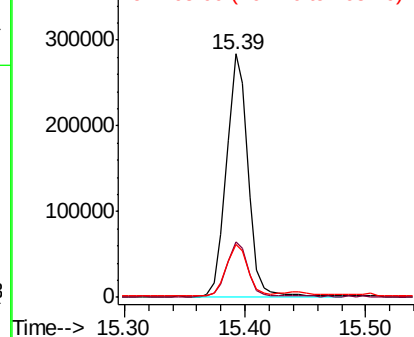
Tot Ion:	264	Resp:	347733
Ion Ratio	Lower	Upper	
264	100		
260	22.6	18.3	27.5
265	21.5	17.7	26.5

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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: 9.540 ng m

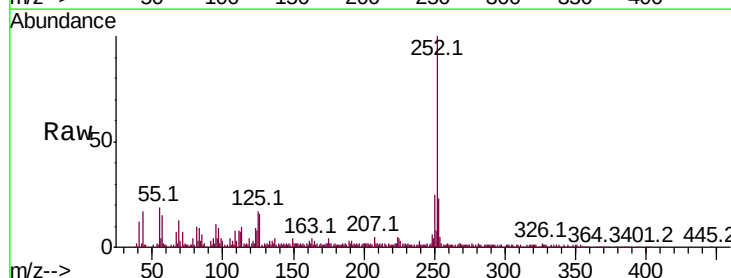
RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

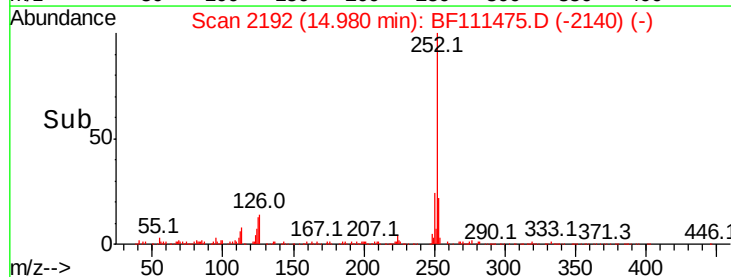
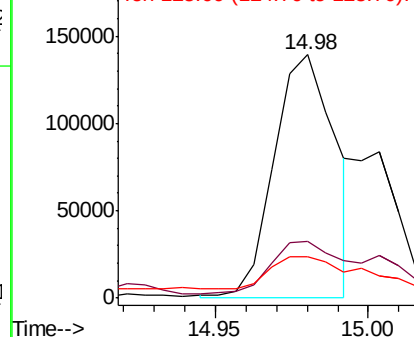
Lab File: BF111475.D

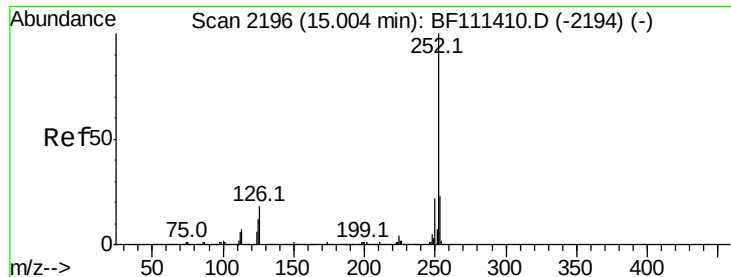
Acq: 15 Dec 2018 18:16

Tgt Ion:	252	Resp:	193400
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	17.0	10.4	15.6#



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





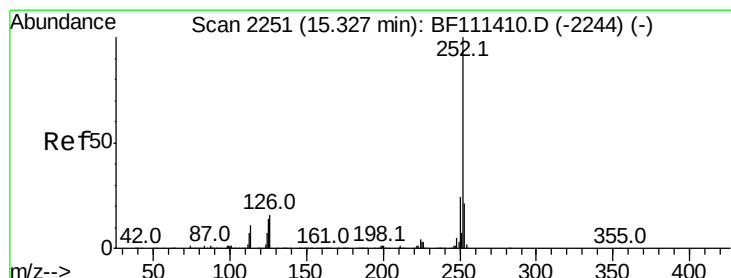
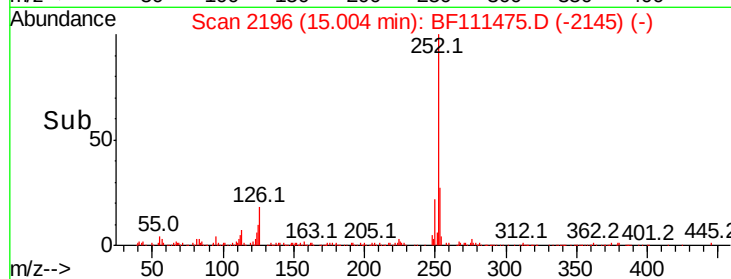
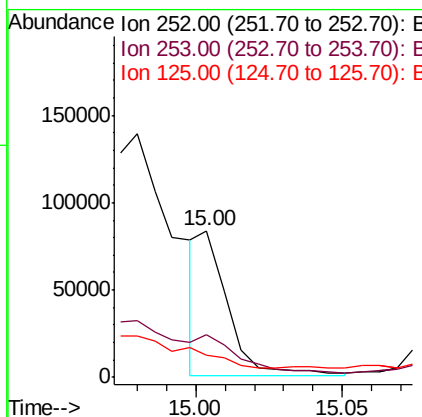
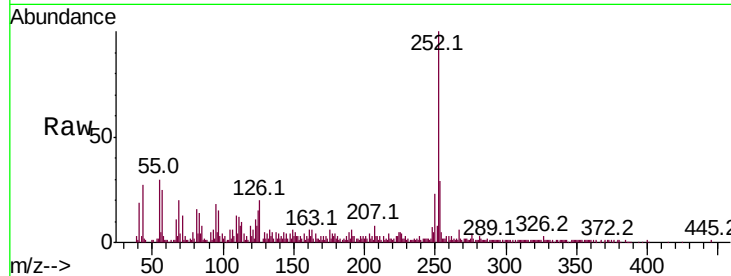
#89
Benzo(k)fluoranthene
Concen: 2.951 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Instrument :
BNA_F
ClientSampled :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.1	27.1#
125	15.3	9.8	14.8#

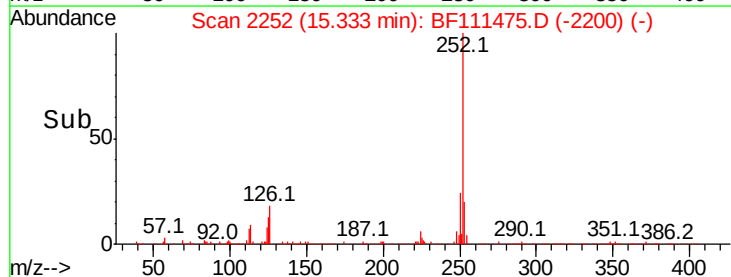
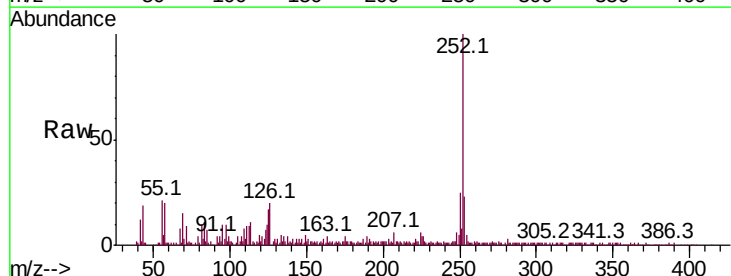
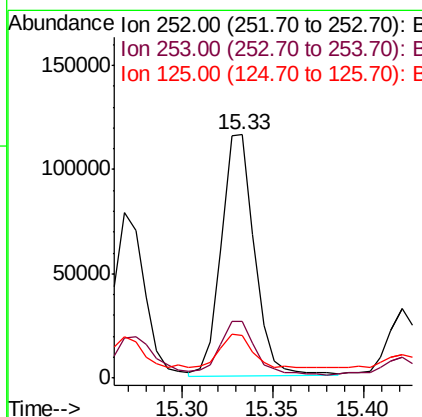
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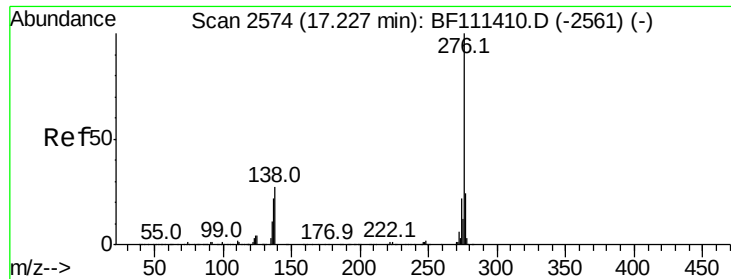
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#90
Benzo(a)pyrene
Concen: 8.112 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111475.D
Acq: 15 Dec 2018 18:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	17.3	12.3	18.5





#92
 Benzo(a,h,i)perylene
 Concen: 4.688 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111475.D
 Acq: 15 Dec 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	32.8	24.9	37.3

Manual Integrations
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