

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111470.D
 Acq On : 15 Dec 2018 15:58
 Operator : JU/SJ
 Sample : J6316-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Manual Integrations
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 12/17/2018 3:12:03 PM

Quant Time: Dec 16 01:27:57 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	157476	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	616999	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	276075	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	405008	20.00	ng	0.00
76) Chrysene-d12	13.95	240	299727	20.00	ng	0.00
87) Perylene-d12	15.39	264	273657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	840037	88.77	ng	0.00
7) Phenol-d6	6.43	99	1077972	85.64	ng	0.00
23) Nitrobenzene-d5	7.35	82	663413	64.03	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	156665	63.35	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1194108	66.81	ng	0.00
79) Terphenyl-d14	12.90	244	729563	57.16	ng	0.00
Target Compounds						
10) Phenol	6.45	94	74177	5.290	ng	97
50) Dimethylphthalate	9.55	163	161197	8.108	ng	96
52) Acenaphthene	9.86	154	37703	2.260	ng	94
58) Fluorene	10.37	166	59417	3.383	ng	97
71) Phenanthrene	11.34	178	674307	32.311	ng	93
72) Anthracene	11.39	178	155707m	7.296	ng	
73) Carbazole	11.54	167	57149	2.589	ng	100
75) Fluoranthene	12.53	202	646349	31.658	ng	95
78) Pyrene	12.75	202	566120	26.790	ng	96
81) Benzo(a)anthracene	13.94	228	294863	18.093	ng	100
83) Chrysene	13.97	228	261206	15.214	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	39730	3.020	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	91578	7.391	ng	# 90
88) Benzo(b)fluoranthene	14.97	252	303191m	19.003	ng	
89) Benzo(k)fluoranthene	15.00	252	110076m	7.221	ng	
90) Benzo(a)pyrene	15.33	252	212756	14.788	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	25224	2.223	ng	94
92) Benzo(g,h,i)perylene	17.23	276	83824	7.525	ng	94

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

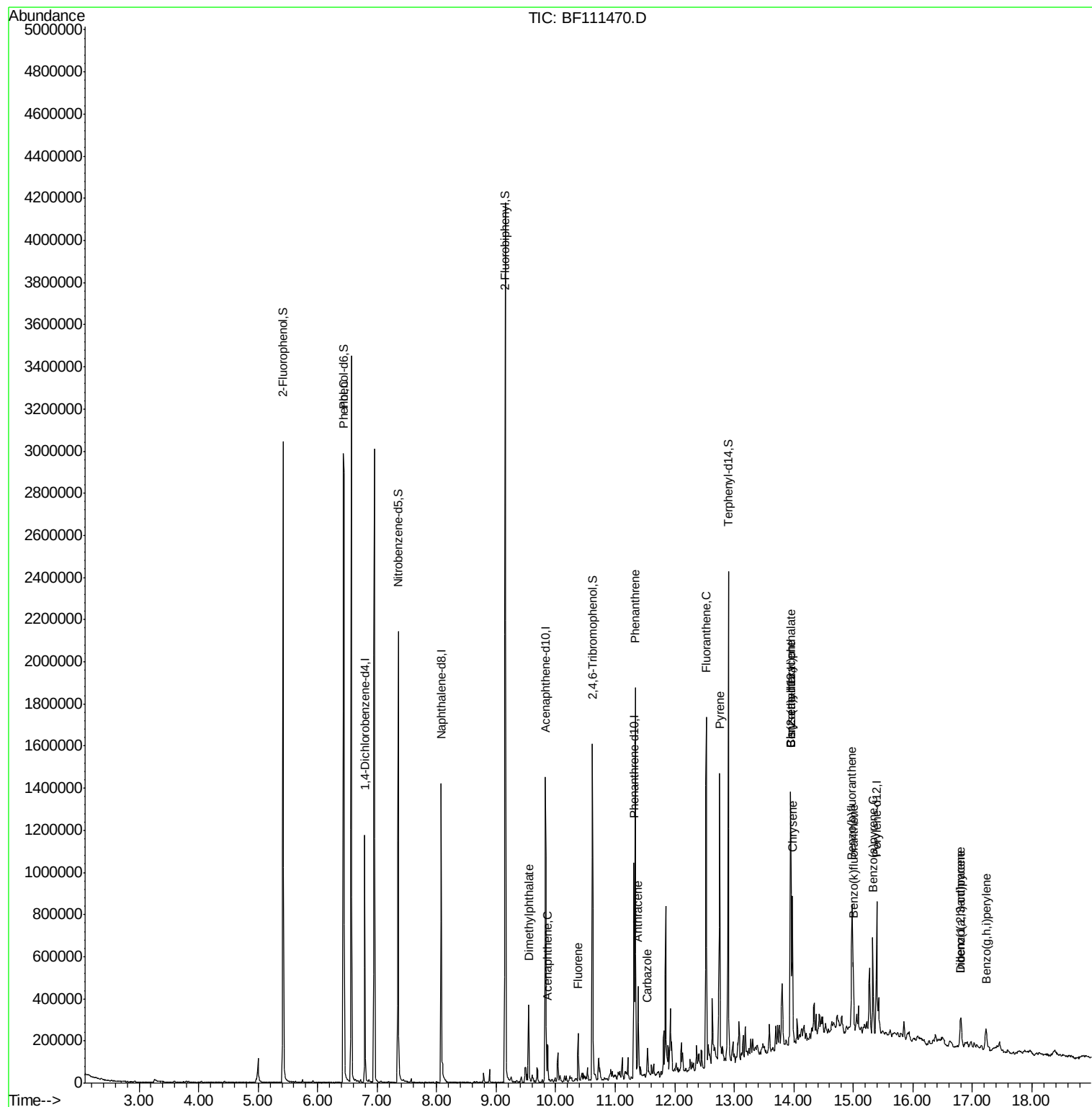
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111470.D
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Sample : J6316-09
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ALS Vial : 14 Sample Multiplier: 1

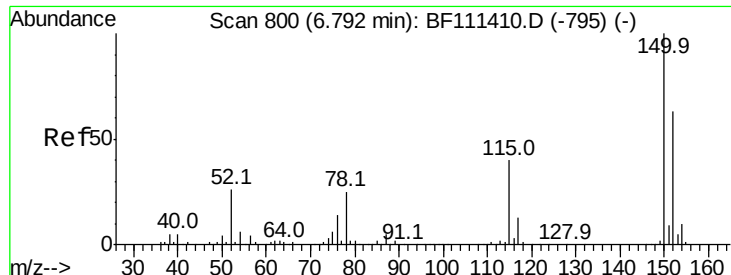
Instrument :
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AVE-X-B-BALL-FIELD-S-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

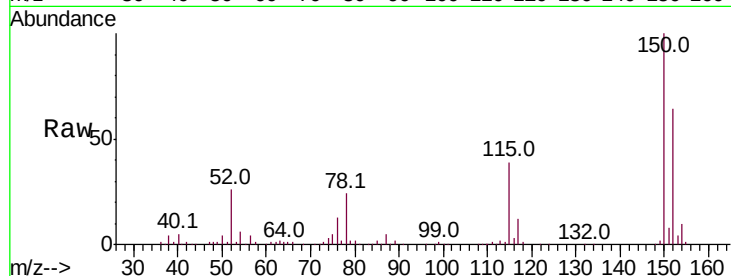
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111470.D
 Acq: 15 Dec 2018 15:58

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.6	189.8
115	61.8	50.7	76.1

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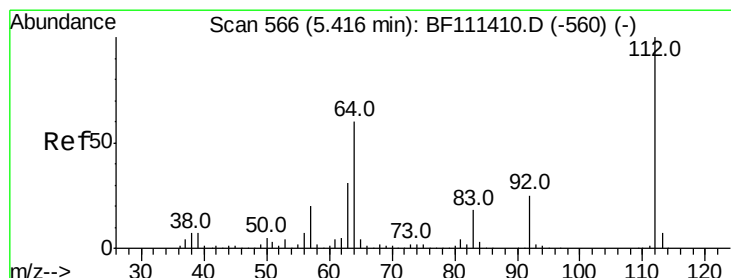
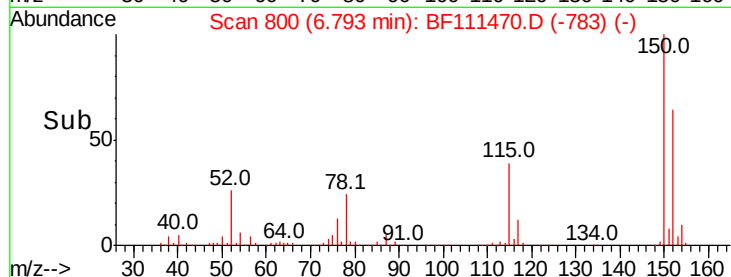
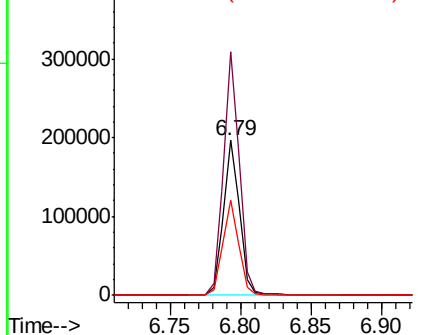


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

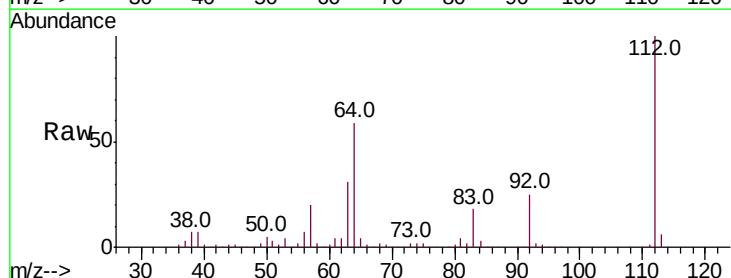
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 88.767 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111470.D
 Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	51.8	77.6
63	30.8	26.8	40.2

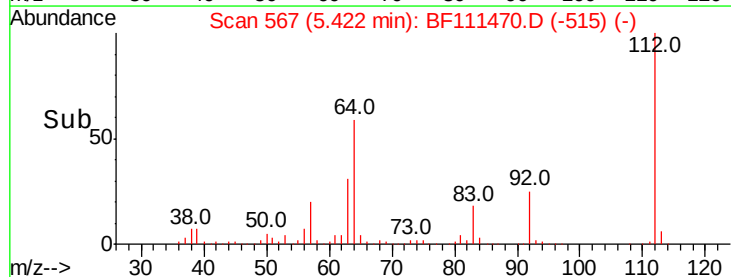
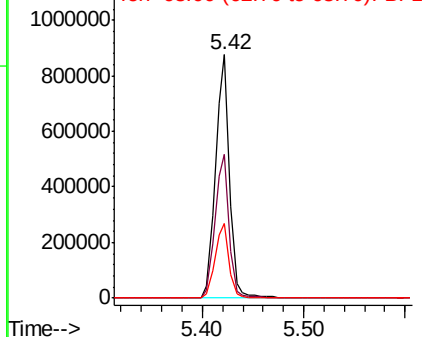


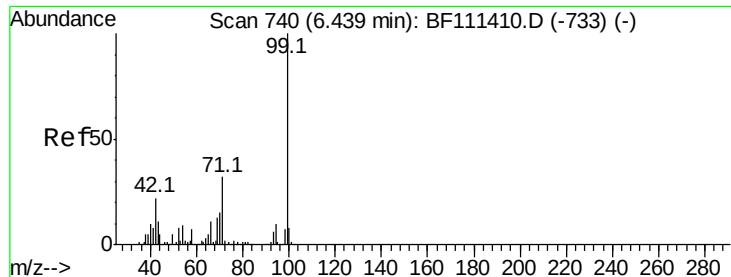
Abundance

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: 85.635 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Instrument :

BNA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

Tot Ion: 99 Resp: 1077972

Ion Ratio Lower Upper

99 100

42 22.8 17.4 26.0

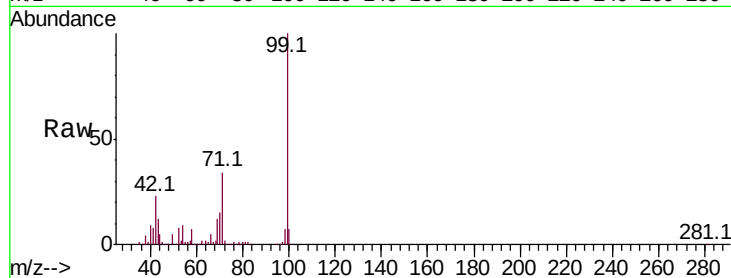
71 33.9 26.1 39.1

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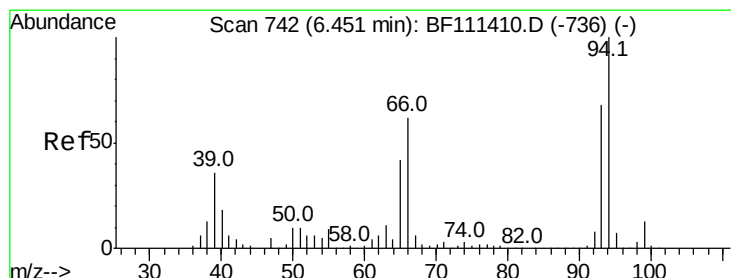
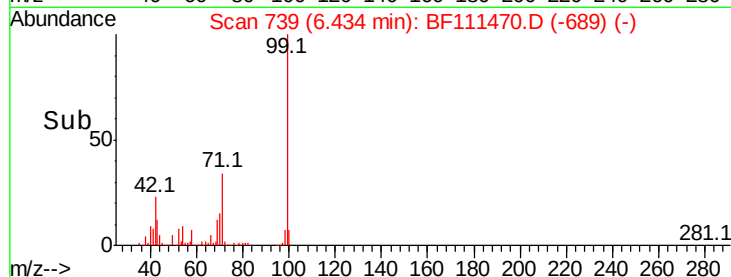
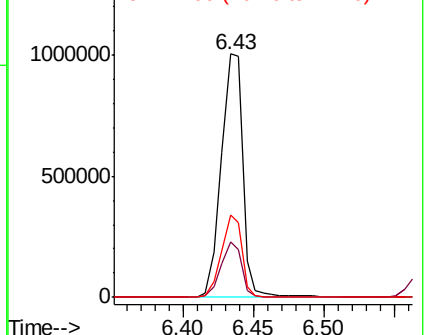
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.290 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

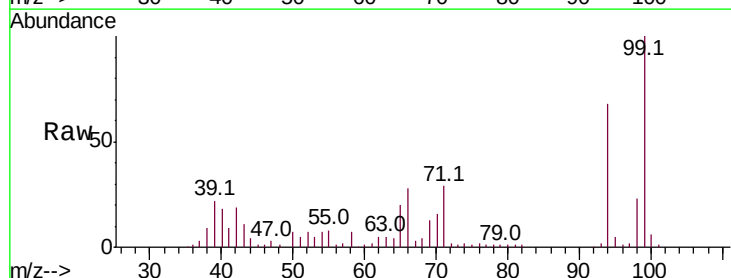
Tgt Ion: 94 Resp: 74177

Ion Ratio Lower Upper

94 100

65 29.7 11.7 51.7

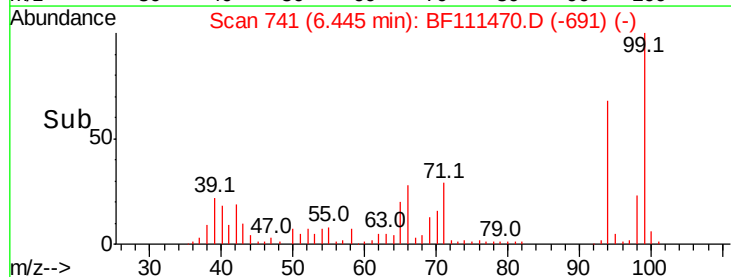
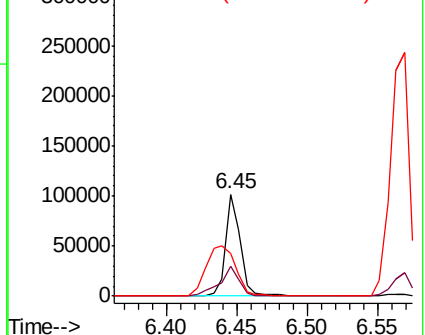
66 42.1 21.0 61.0

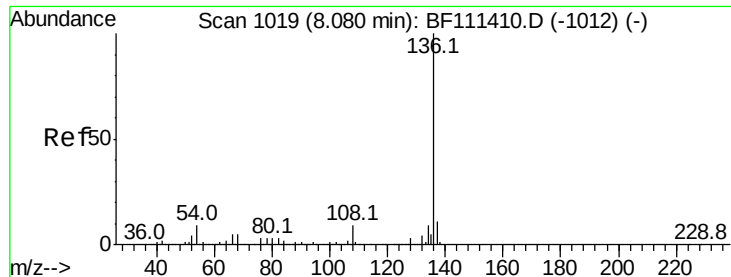


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





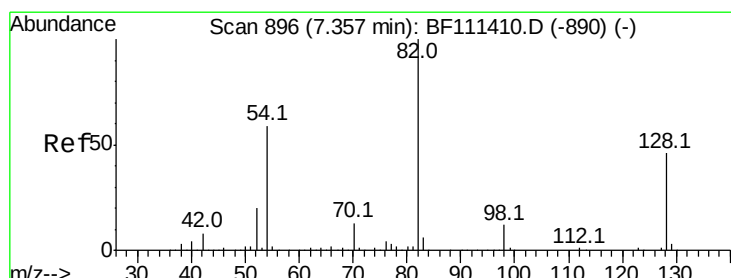
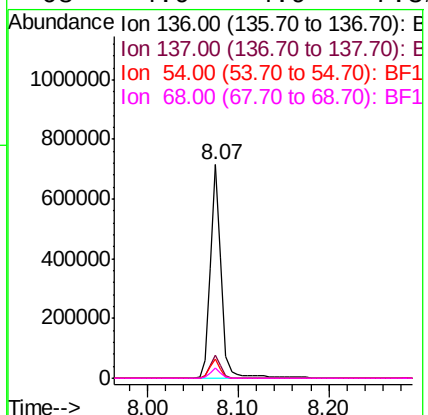
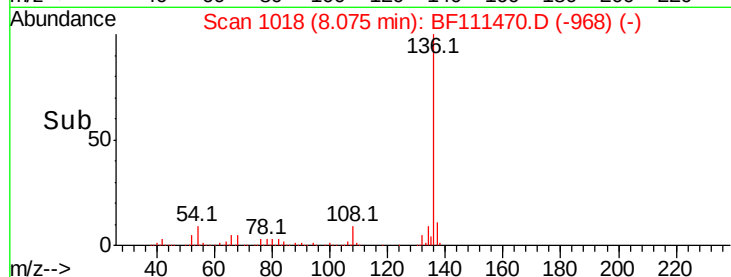
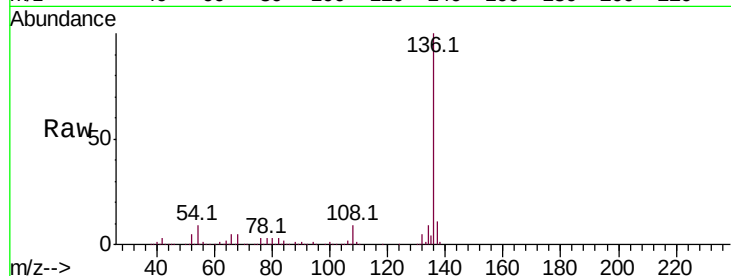
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	9.2	7.7	11.5	
68	4.9	4.9	7.3#	

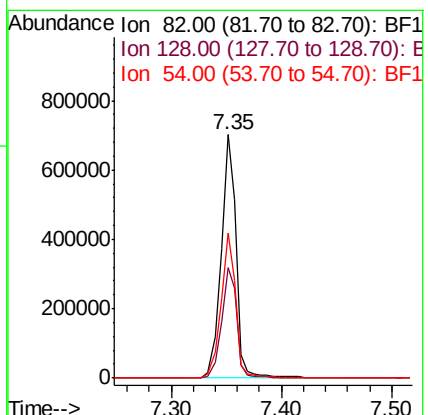
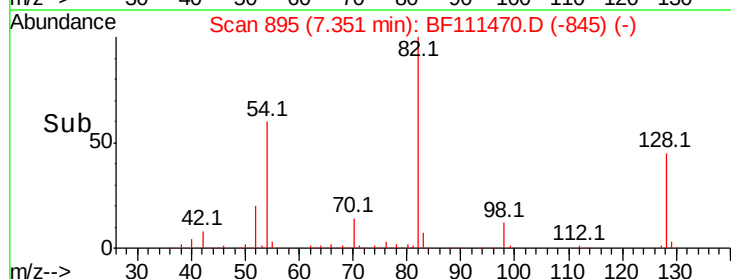
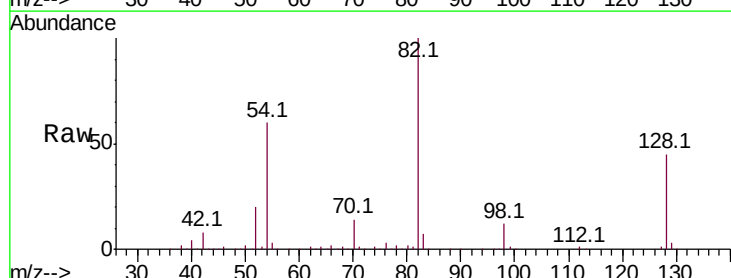
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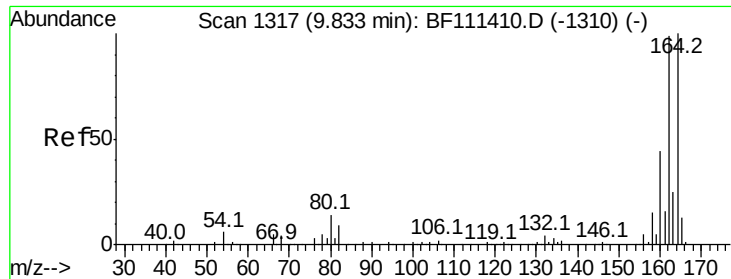
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#23
Nitrobenzene-d5
Concen: 64.028 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	37.4	56.2	
54	59.8	47.6	71.4	





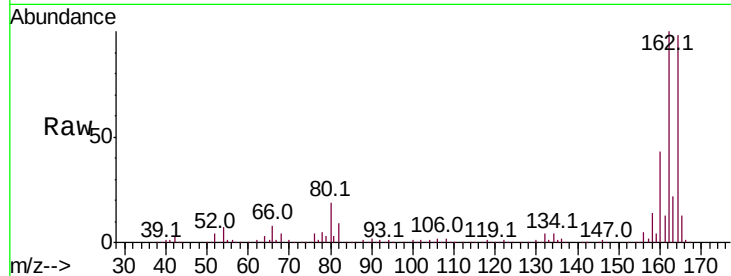
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

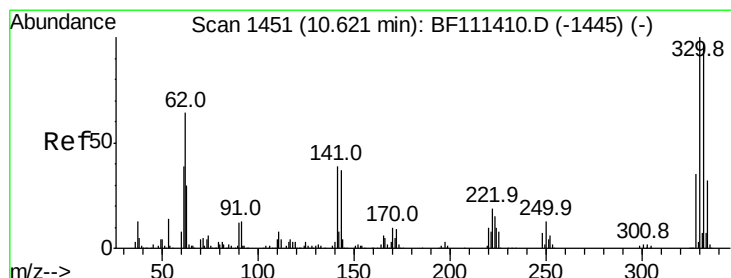
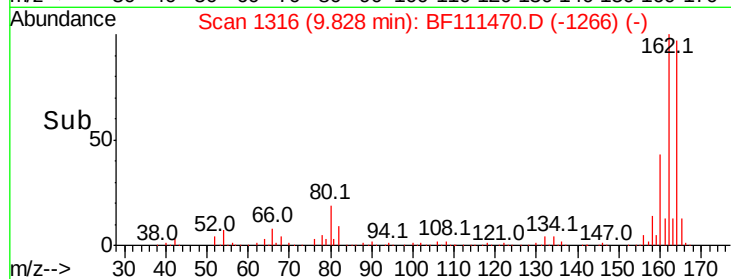
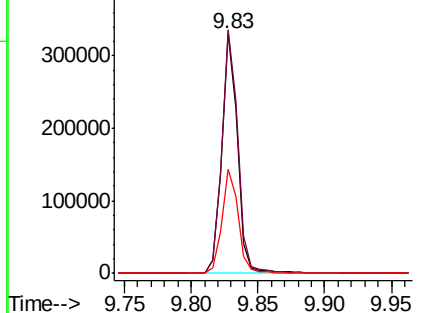
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.4	122.0
160	43.3	35.7	53.5

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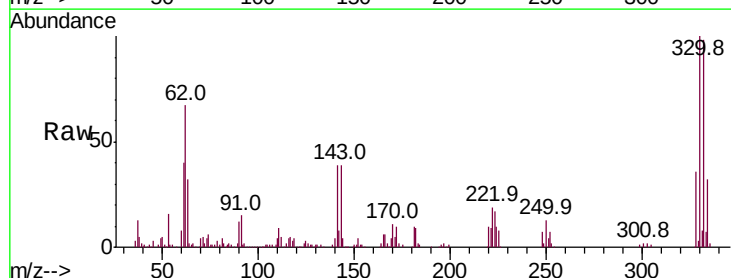


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

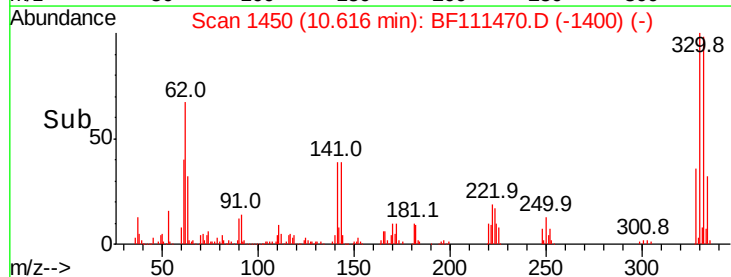
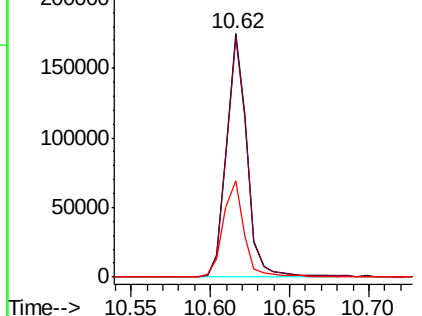


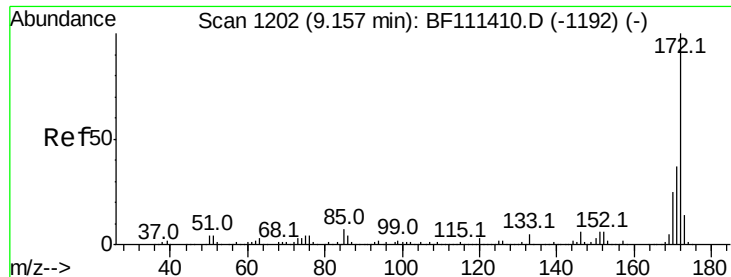
#42
2,4,6-Tribromophenol
Concen: 63.349 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.7	76.0	114.0
141	40.8	31.0	46.6



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





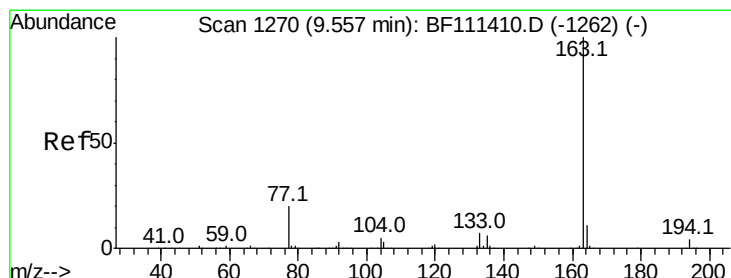
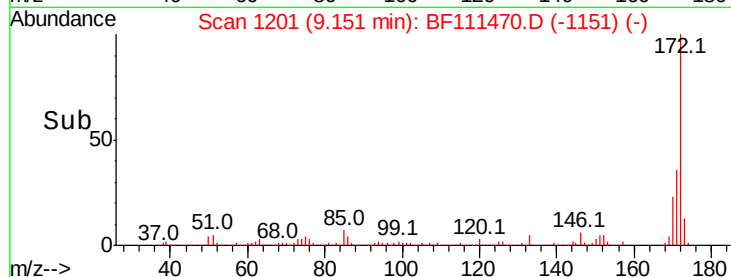
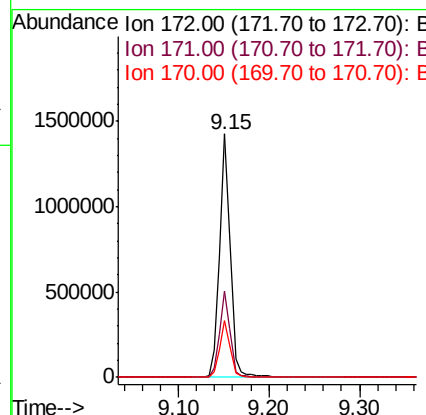
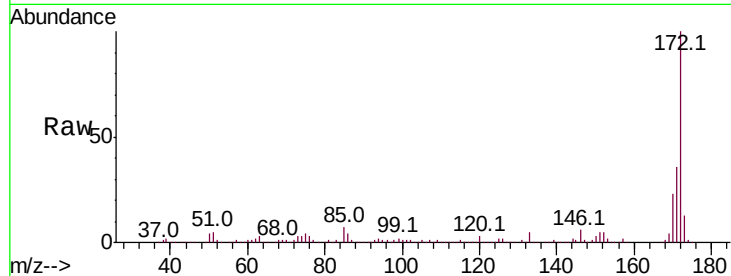
#45
 2-Fluorobiphenyl
 Concen: 66.810 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111470.D
 Acq: 15 Dec 2018 15:58

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	33.0	49.4
170	23.3	22.3	33.5

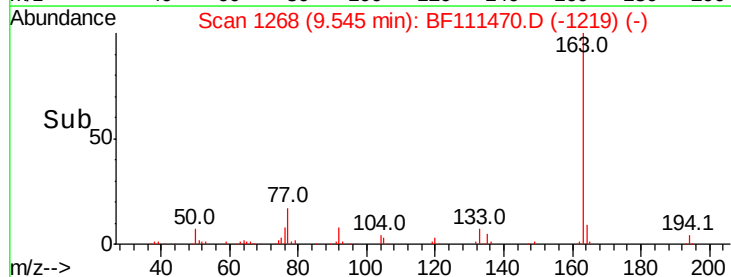
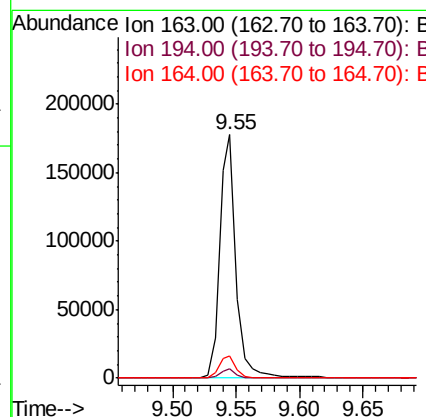
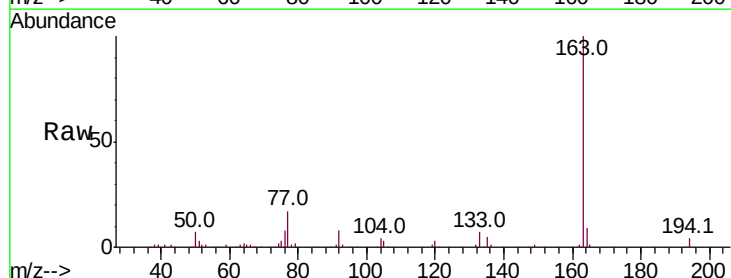
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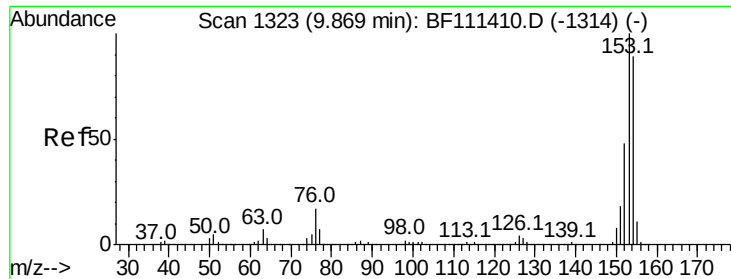
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#50
 Dimethylphthalate
 Concen: 8.108 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF111470.D
 Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.1	8.9	13.3





#52

Acenaphthene

Concen: 2.260 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Instrument :

BNA_F

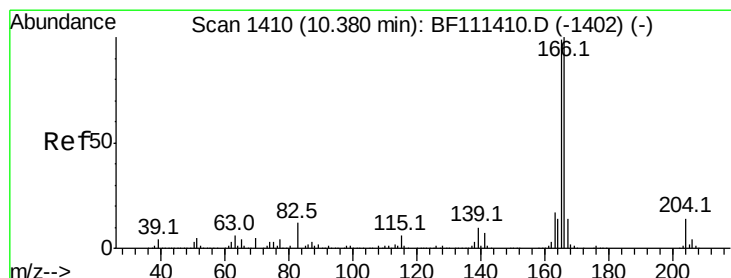
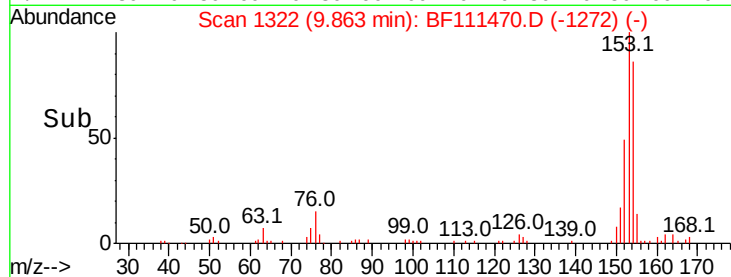
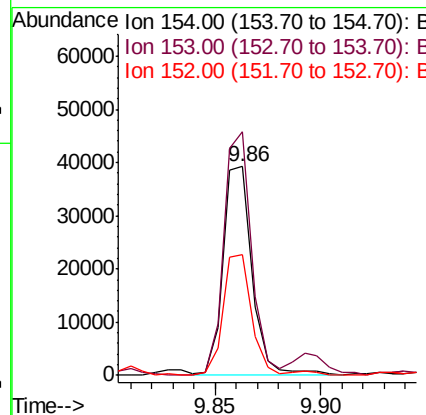
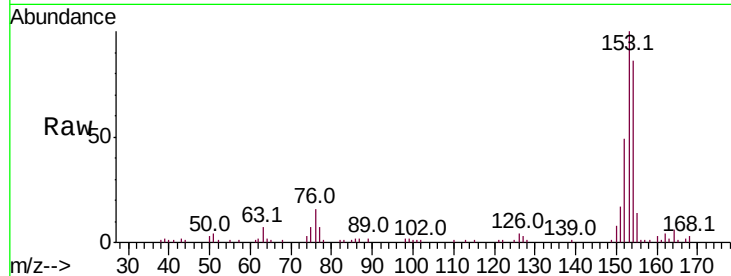
ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

Tot Ion:	154	Resp:	37703
Ion Ratio	Lower	Upper	
154	100		
153	116.5	87.8	131.8
152	57.5	43.4	65.2

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#58

Fluorene

Concen: 3.383 ng

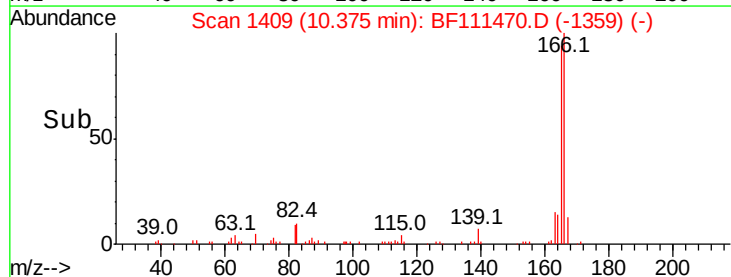
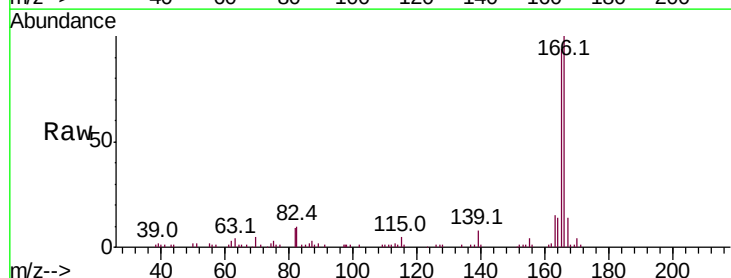
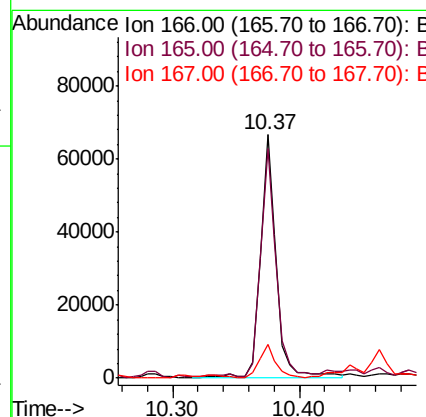
RT: 10.37 min Scan# 1409

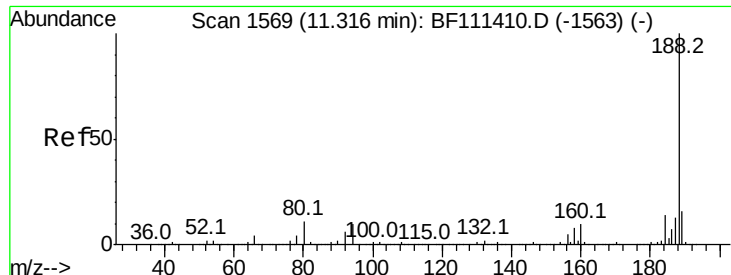
Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Tgt Ion:	166	Resp:	59417
Ion Ratio	Lower	Upper	
166	100		
165	94.5	78.4	117.6
167	13.7	11.2	16.8





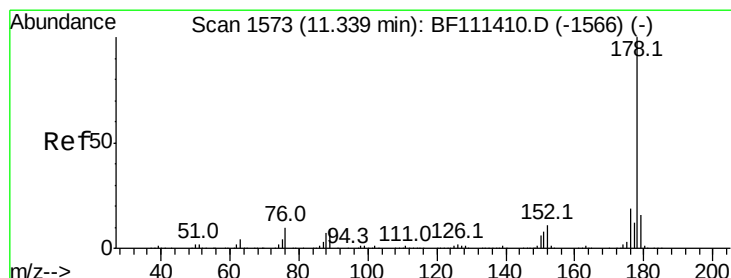
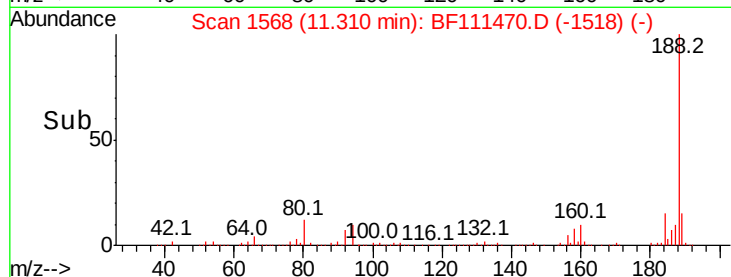
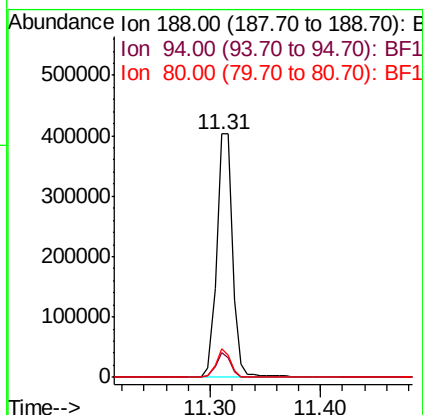
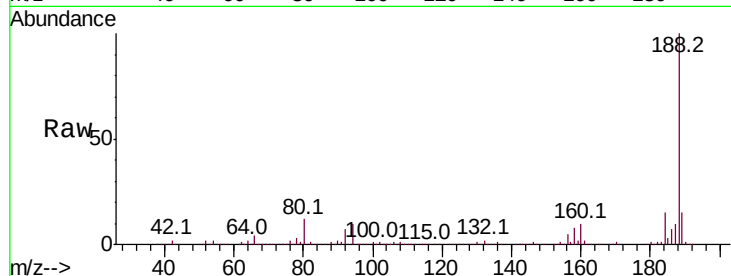
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111470.D
 Acq: 15 Dec 2018 15:58

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	405008		
94	9.9		9.6	14.4
80	11.8		9.8	14.6

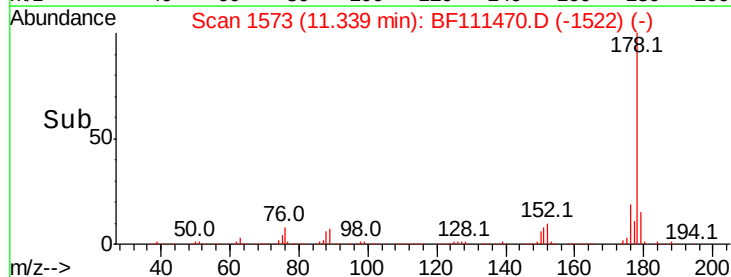
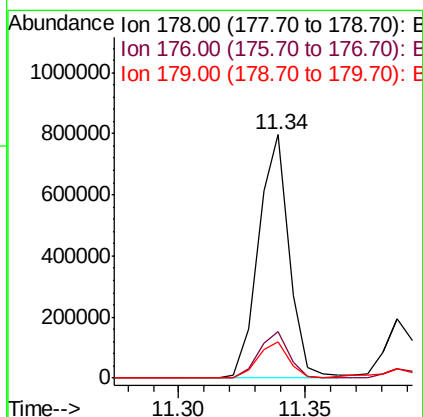
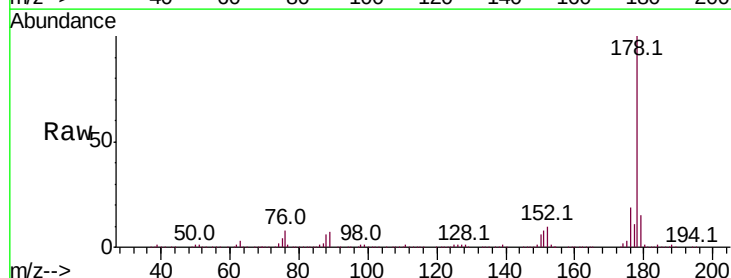
Manual Integrations
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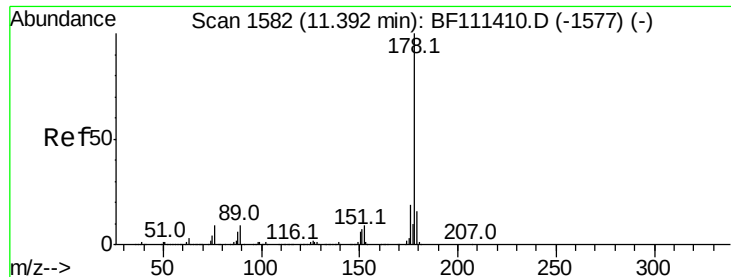
Sohil
 12/17/2018 3:12:03 PM



#71
 Phenanthrene
 Concen: 32.311 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF111470.D
 Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	674307		
176	19.2		18.1	27.1
179	14.7		14.0	21.0





#72

Anthracene

Concen: 7.296 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Instrument :

BNA_F

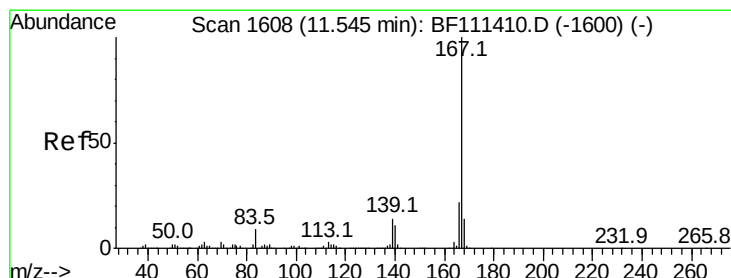
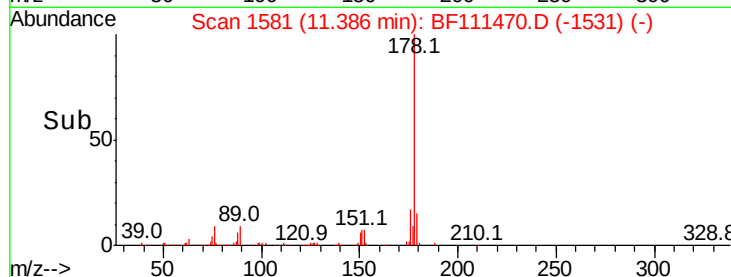
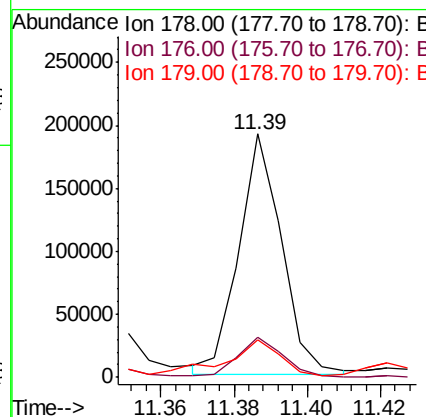
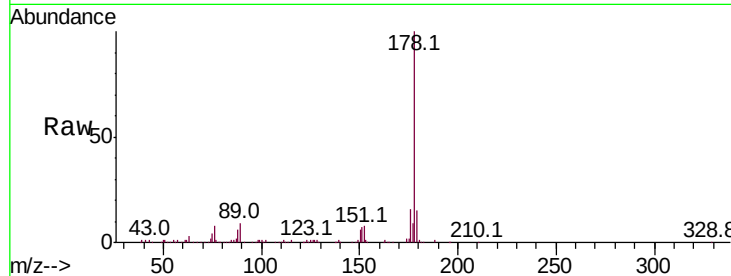
ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

Tot Ion:	178	Resp:	155707
Ion Ratio	Lower	Upper	
178	100		
176	16.5	17.2	25.8#
179	15.4	13.8	20.8

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12/17/2018 3:12:03 PM



#73

Carbazole

Concen: 2.589 ng

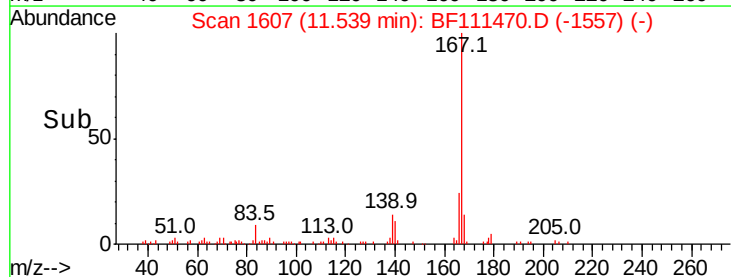
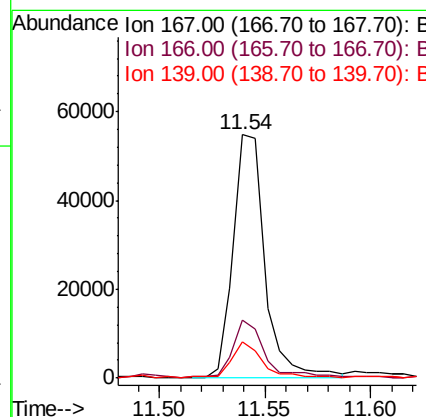
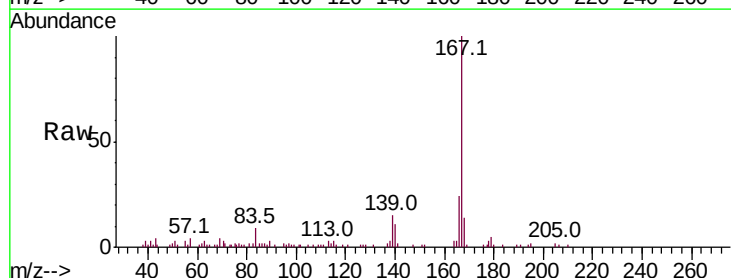
RT: 11.54 min Scan# 1607

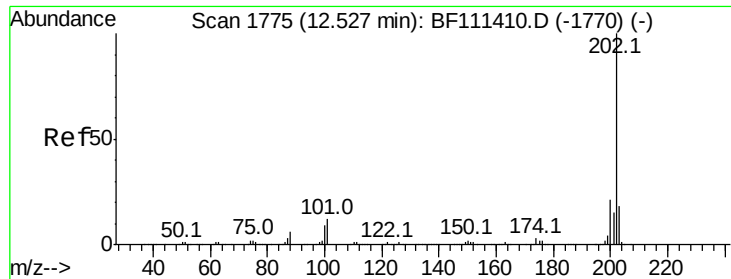
Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Tgt Ion:	167	Resp:	57149
Ion Ratio	Lower	Upper	
167	100		
166	23.9	19.3	28.9
139	14.9	11.9	17.9





#75

Fluoranthene

Concen: 31.658 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Instrument :

BNA_F

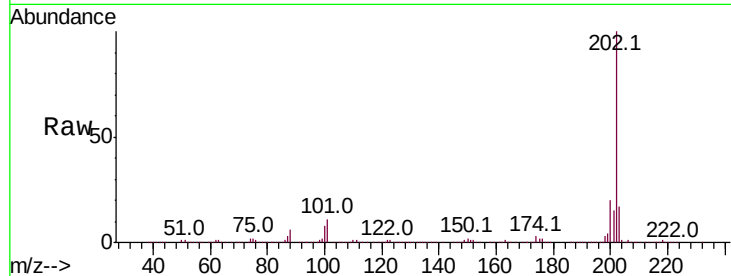
ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

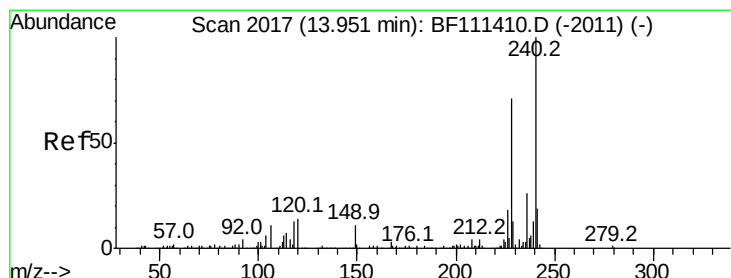
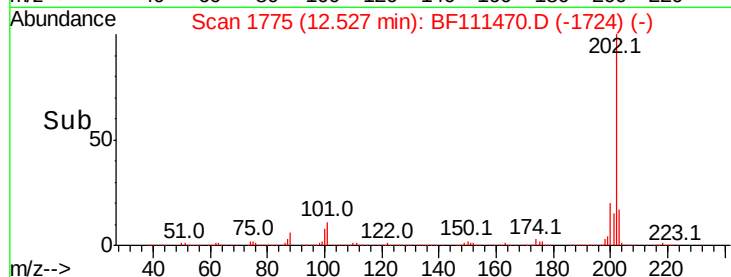
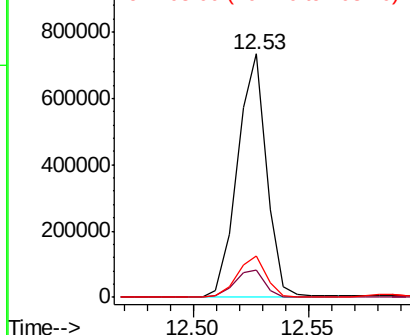
Tot Ion:	202	Resp:	646349
Ion Ratio		Lower	Upper
202	100		
101	11.2	0.0	33.8
203	17.0	0.0	38.6

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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: 13.95 min Scan# 2017

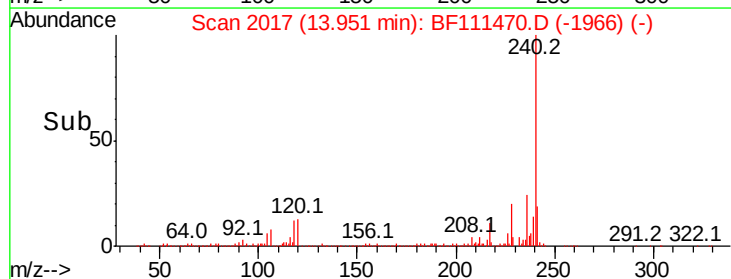
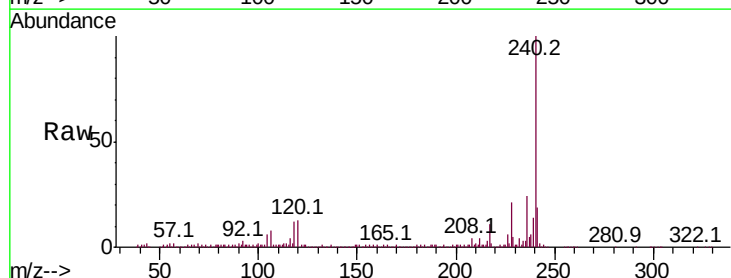
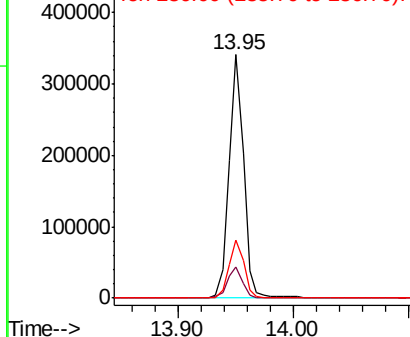
Delta R.T. 0.00 min

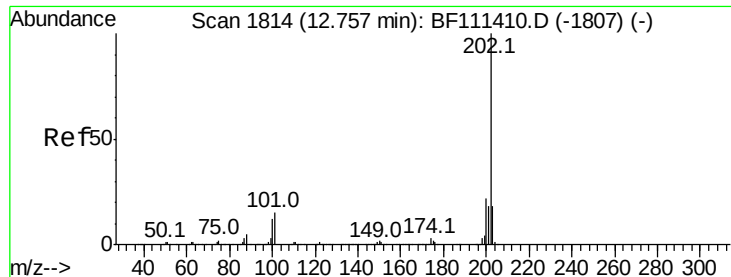
Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Tgt Ion:	240	Resp:	299727
Ion Ratio		Lower	Upper
240	100		
120	12.8	12.2	18.2
236	24.0	20.2	30.2

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





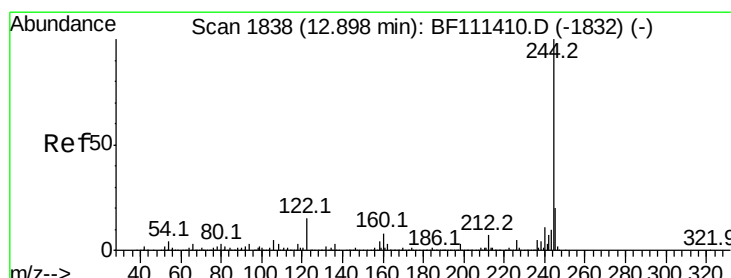
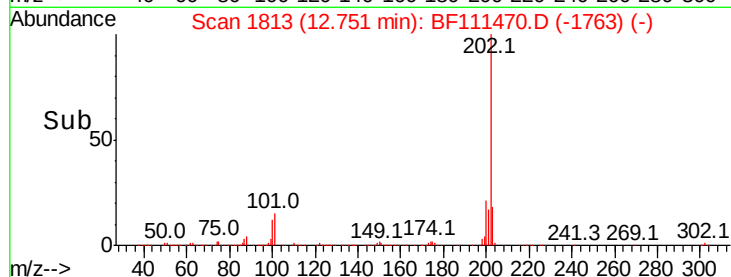
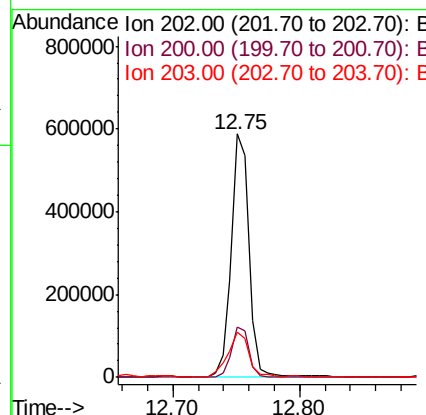
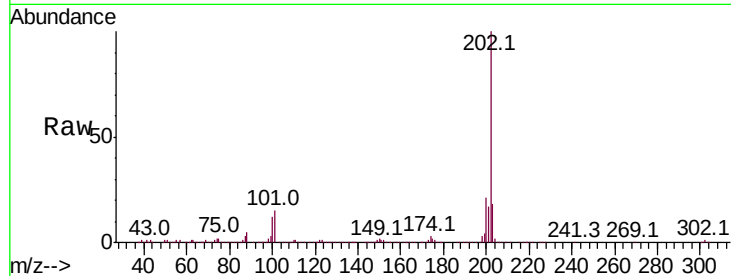
#78
Pvrene
Concen: 26.790 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	19.0	28.4
203	18.5	15.2	22.8

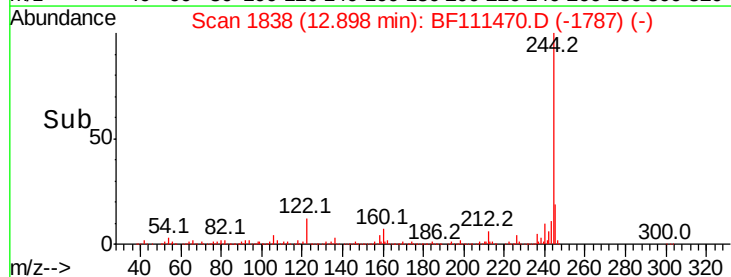
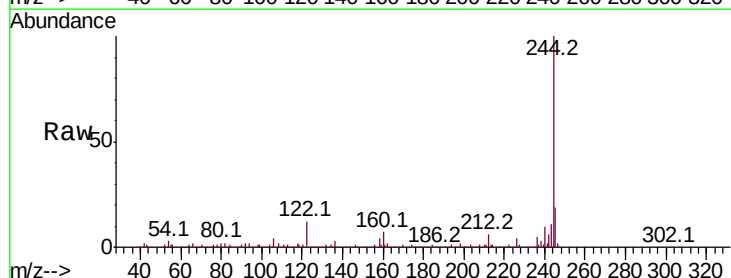
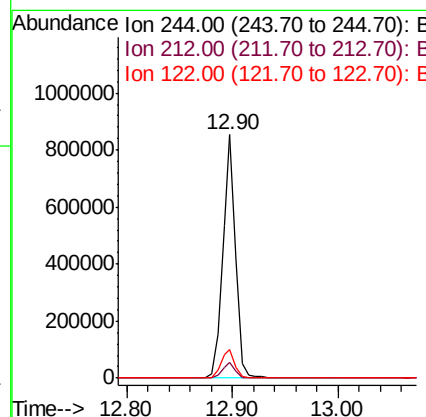
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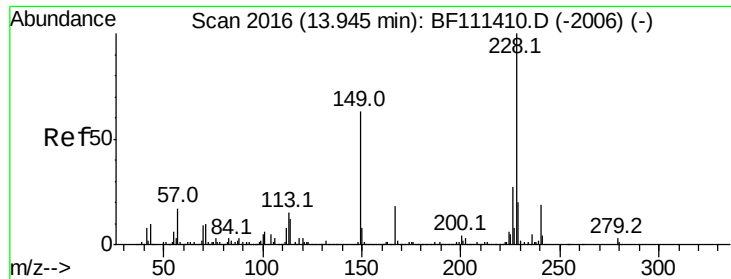
Sohil
12/17/2018 3:12:03 PM



#79
Terphenyl-d14
Concen: 57.158 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.7	8.5
122	11.7	13.1	19.7#





#81

Benzo(a)anthracene

Concen: 18.093 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Instrument :

BNA_F

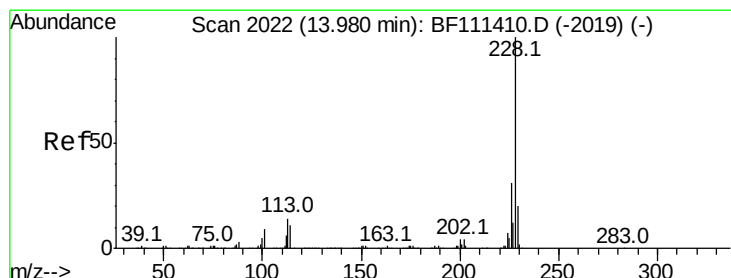
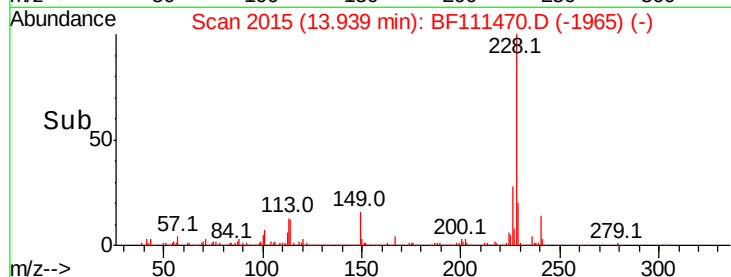
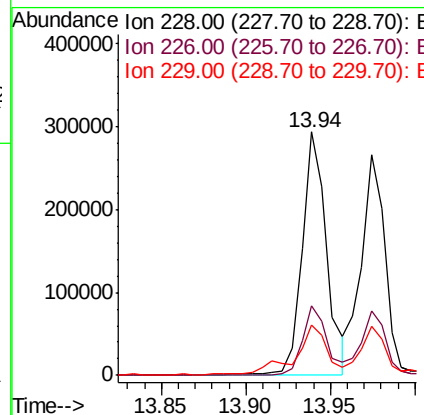
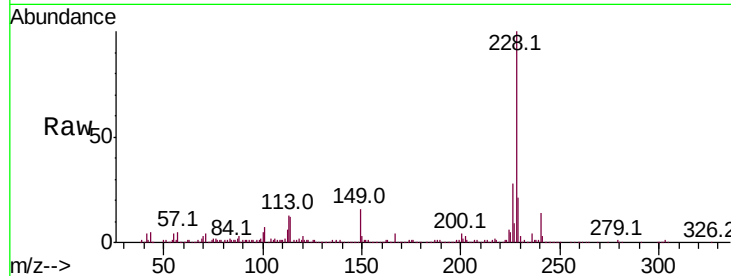
ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

Tot Ion:	228	Resp:	294863
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	34.0
229	20.8	16.3	24.5

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#83

Chrysene

Concen: 15.214 ng

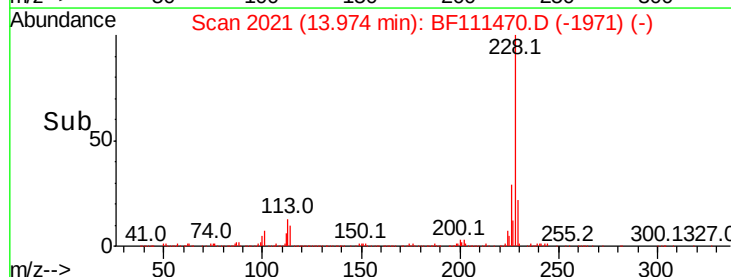
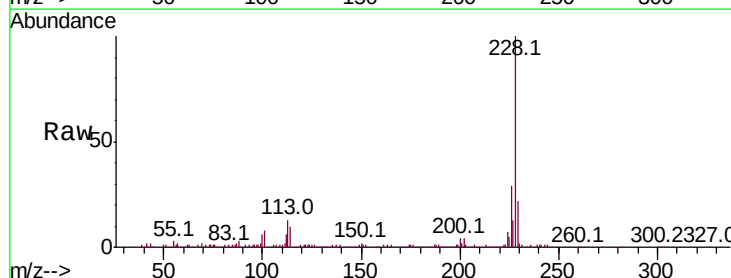
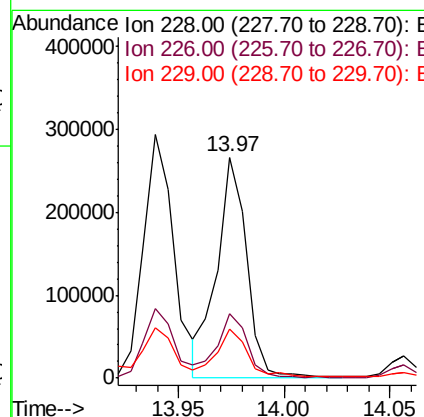
RT: 13.97 min Scan# 2021

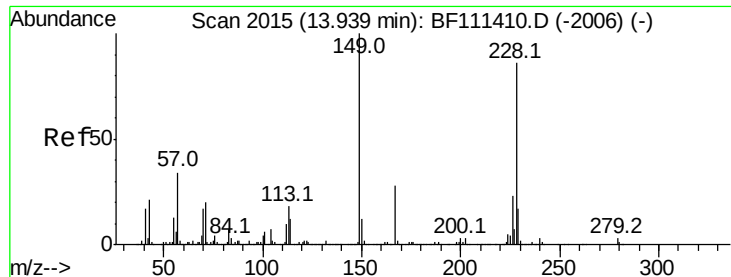
Delta R.T. -0.01 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Tgt Ion:	228	Resp:	261206
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.3	37.9
229	22.1	17.2	25.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.020 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Instrument :

BNA_F

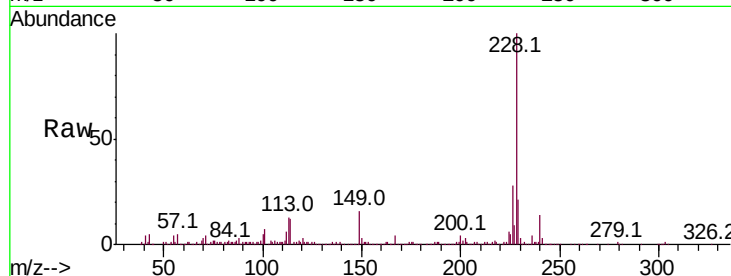
ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

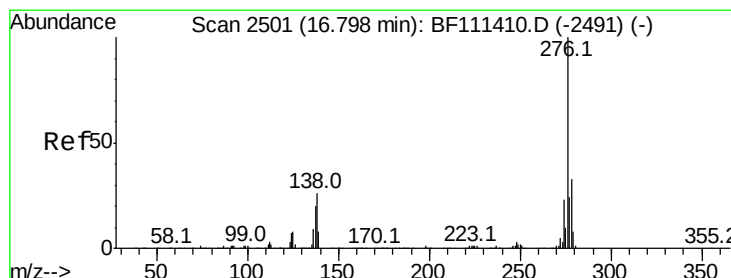
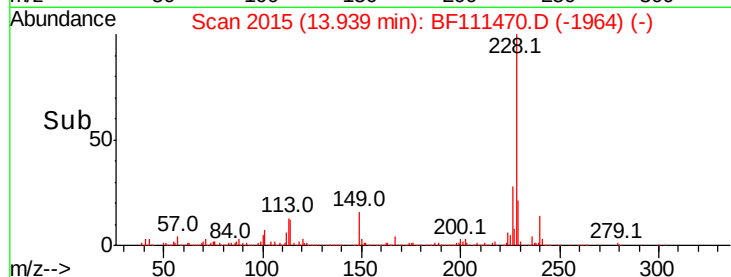
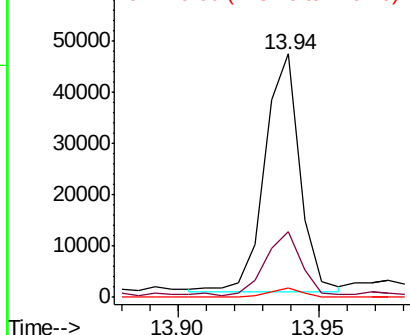
Tot Ion:	149	Resp:	39730
Ion Ratio	Lower	Upper	
149	100		
167	27.0	22.5	33.7
279	3.7	2.6	4.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.391 ng

RT: 16.80 min Scan# 2502

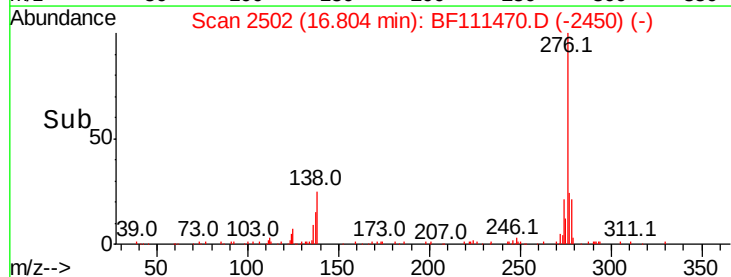
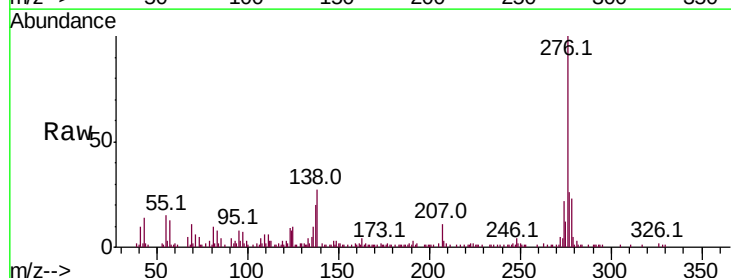
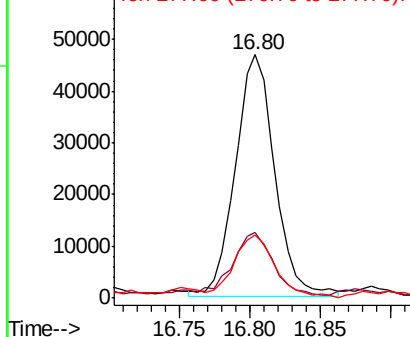
Delta R.T. 0.01 min

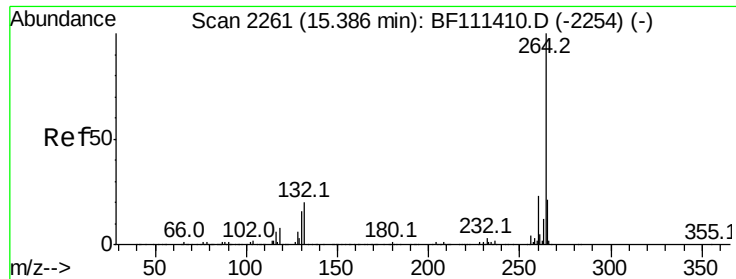
Lab File: BF111470.D

Acq: 15 Dec 2018 15:58

Tgt Ion:	276	Resp:	91578
Ion Ratio	Lower	Upper	
276	100		
138	27.4	27.8	41.6#
277	27.7	20.1	30.1

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





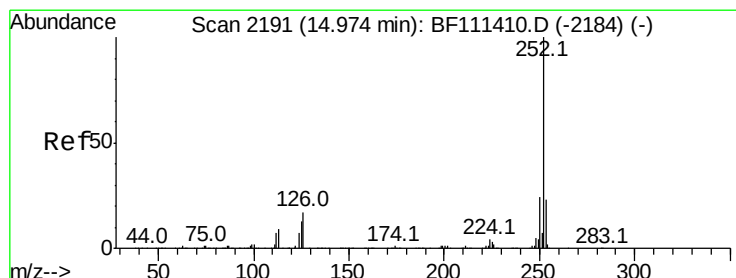
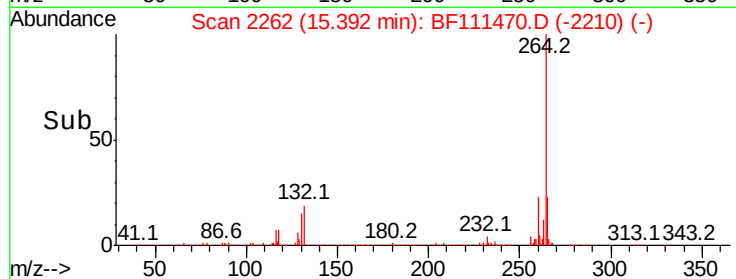
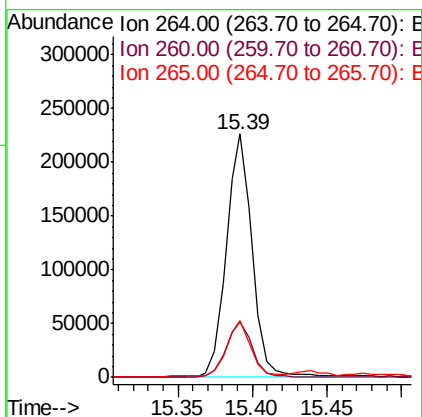
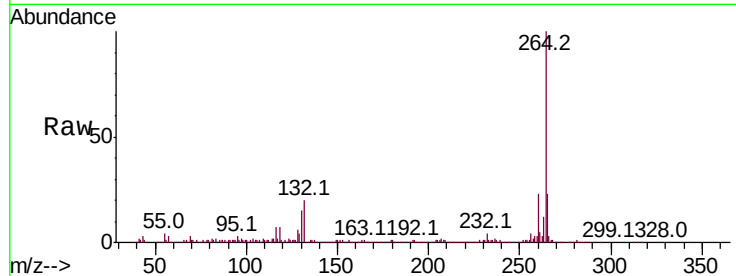
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.3	27.5
265	23.1	17.7	26.5

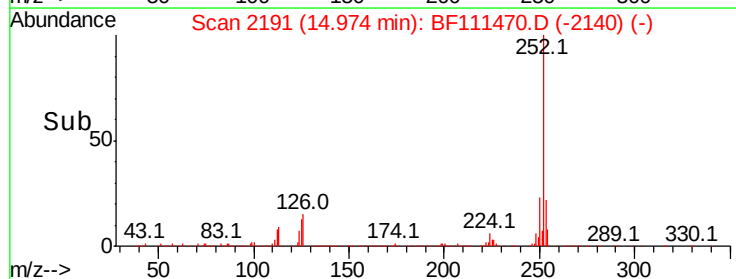
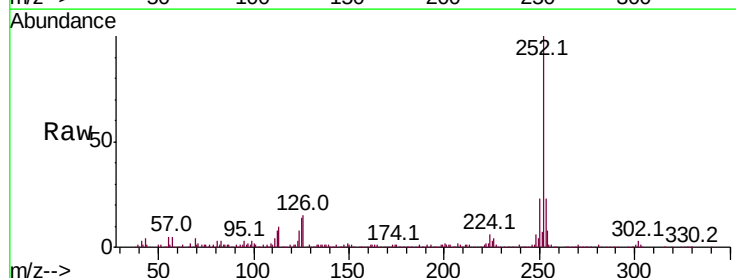
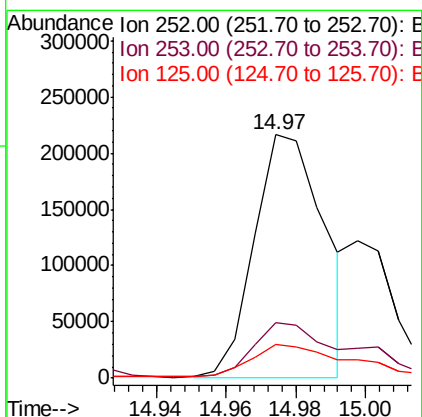
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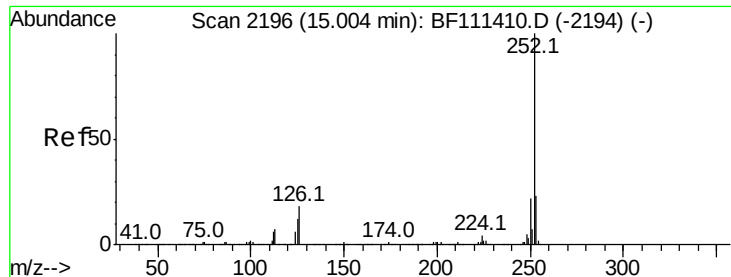
Sohil
12/17/2018 3:12:03 PM



#88
Benzo(b)fluoranthene
Concen: 19.003 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	14.0	10.4	15.6





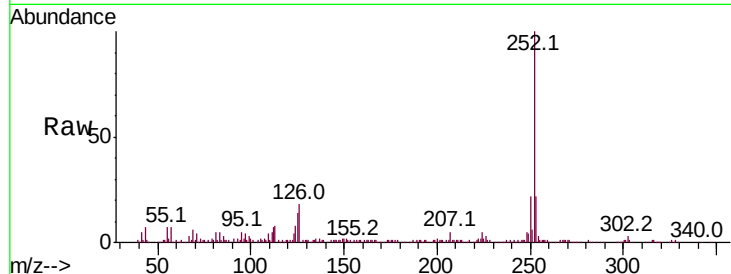
#89
Benzo(k)fluoranthene
Concen: 7.221 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	110076		
253	22.1		18.1	27.1
125	13.6		9.8	14.8

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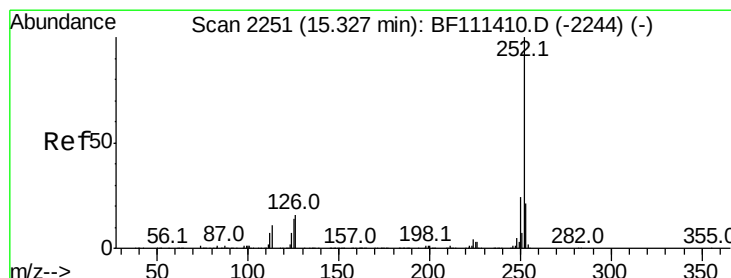
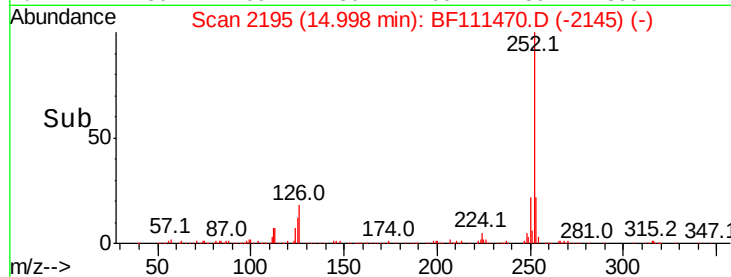
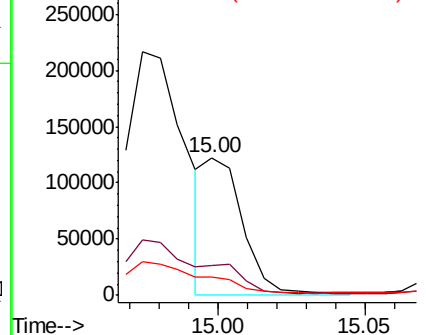


Abundance

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



#90
Benzo(a)pyrene
Concen: 14.788 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

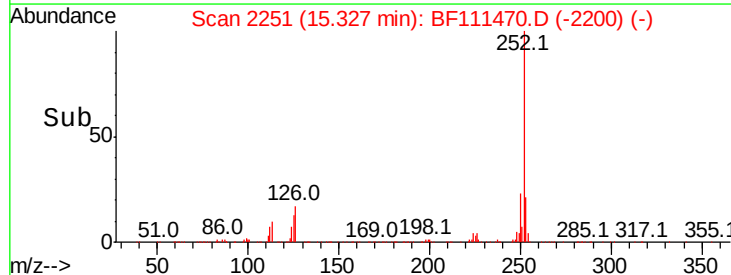
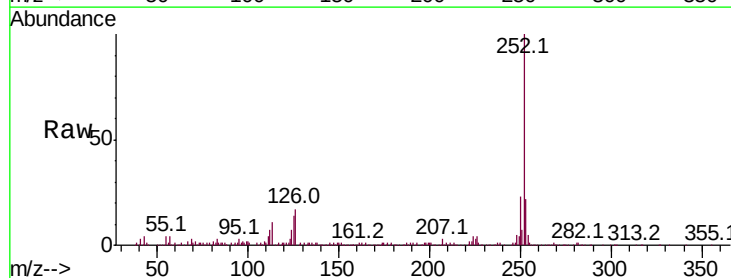
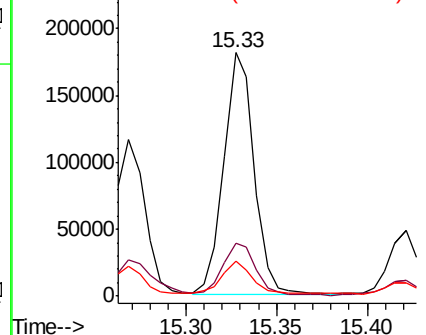
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	212756		
253	21.9		17.8	26.8
125	14.3		12.3	18.5

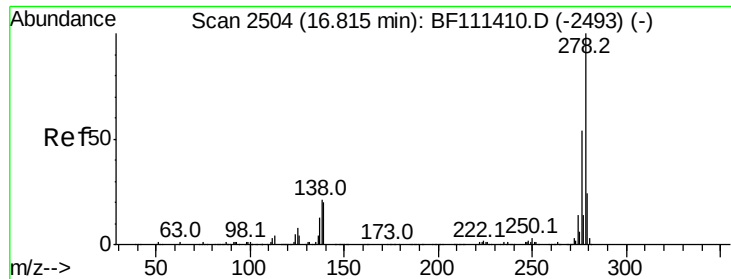
Abundance

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





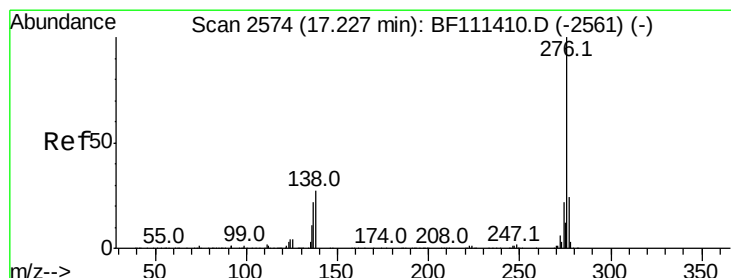
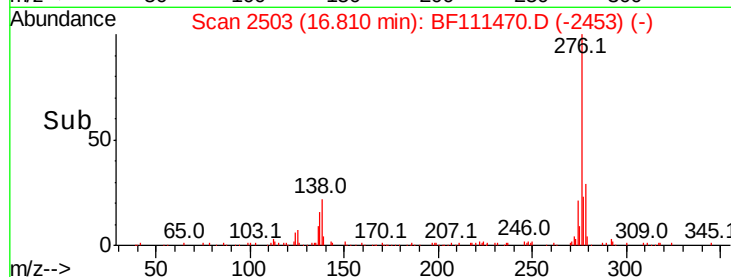
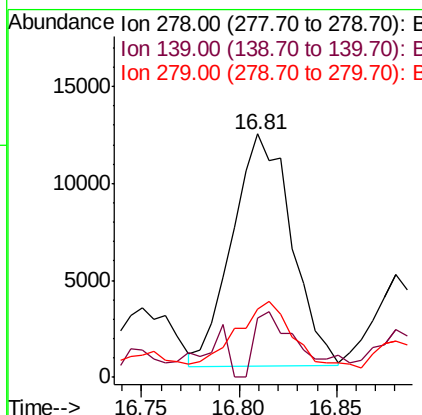
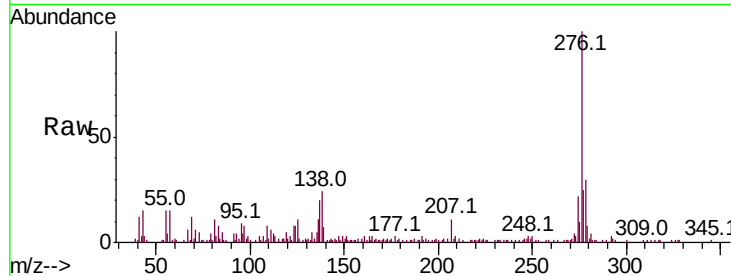
#91
Dibenzo(a,h)anthracene
Concen: 2.223 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.2	18.2	27.4
279	28.0	19.0	28.6

Manual Integrations
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Sohil
12/17/2018 3:12:03 PM



#92
Benzo(g,h,i)perylene
Concen: 7.525 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF111470.D
Acq: 15 Dec 2018 15:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.2	28.8
138	26.4	24.9	37.3

