

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111471.D
 Acq On : 15 Dec 2018 16:26
 Operator : JU/SJ
 Sample : J6316-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-2

Manual Integrations
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Quant Time: Dec 16 01:31:03 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	156012	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	630434	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	278640	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	405919	20.00	ng	0.00
76) Chrysene-d12	13.95	240	289894	20.00	ng	0.00
87) Perylene-d12	15.39	264	267651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	979145	104.44	ng	0.00
7) Phenol-d6	6.44	99	1252616	100.44	ng	0.00
23) Nitrobenzene-d5	7.35	82	780125	73.69	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	183721	73.61	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1310779	72.66	ng	0.00
79) Terphenyl-d14	12.90	244	777530	62.98	ng	0.00
Target Compounds						
10) Phenol	6.45	94	92235	6.639	ng	Qvalue 90
31) Naphthalene	8.10	128	89845	3.047	ng	96
50) Dimethylphthalate	9.55	163	158097	7.878	ng	97
52) Acenaphthene	9.86	154	48734	2.895	ng	95
58) Fluorene	10.37	166	45649	2.575	ng	98
71) Phenanthrene	11.34	178	483149	23.099	ng	93
72) Anthracene	11.39	178	101580	4.749	ng	94
73) Carbazole	11.54	167	65088	2.943	ng	# 91
75) Fluoranthene	12.53	202	582752	28.479	ng	96
78) Pyrene	12.75	202	520737	25.478	ng	96
81) Benzo(a)anthracene	13.94	228	278507	17.669	ng	99
83) Chrysene	13.97	228	272336	16.401	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	482661	37.932	ng	99
86) Indeno(1,2,3-cd)pyrene	16.80	276	103630	8.647	ng	# 91
88) Benzo(b)fluoranthene	14.97	252	335259m	21.485	ng	
89) Benzo(k)fluoranthene	15.00	252	131588m	8.825	ng	
90) Benzo(a)pyrene	15.33	252	225233	16.006	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	28718m	2.587	ng	
92) Benzo(a,h,i)perylene	17.23	276	96522	8.859	ng	# 93

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

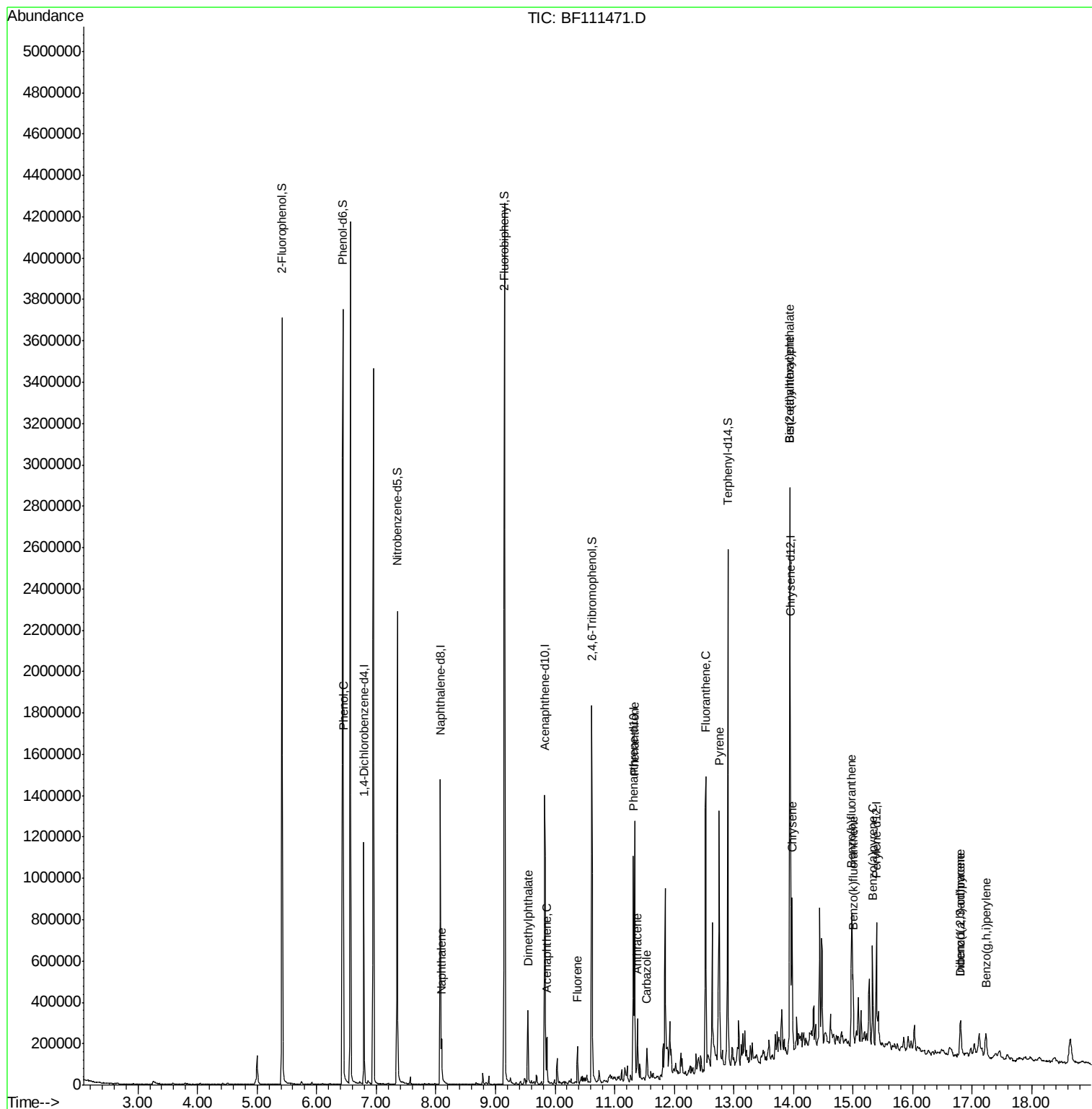
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111471.D
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ALS Vial : 15 Sample Multiplier: 1

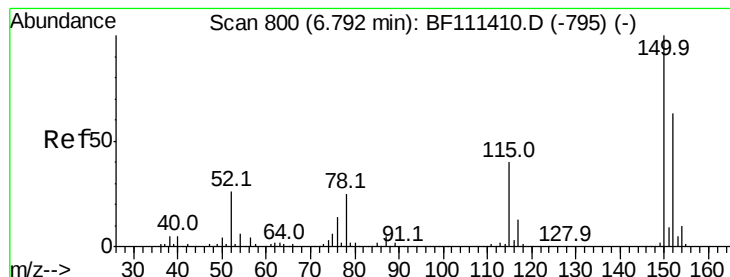
Instrument :
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AVE-X-B-BALL-FIELD-S-2

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#1

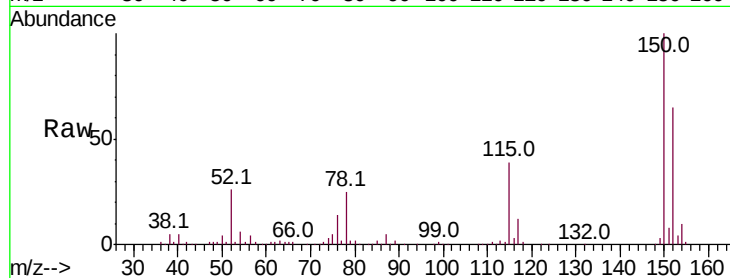
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.6	189.8
115	60.3	50.7	76.1

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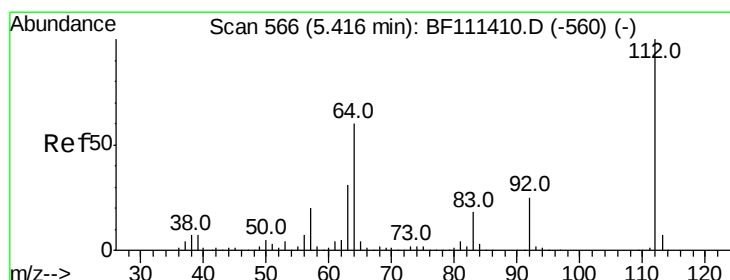
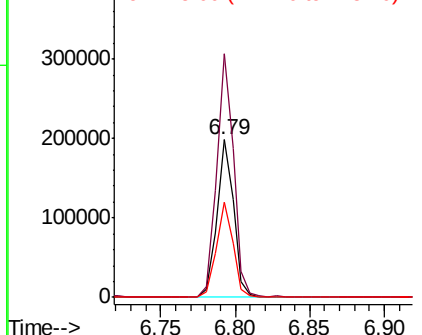
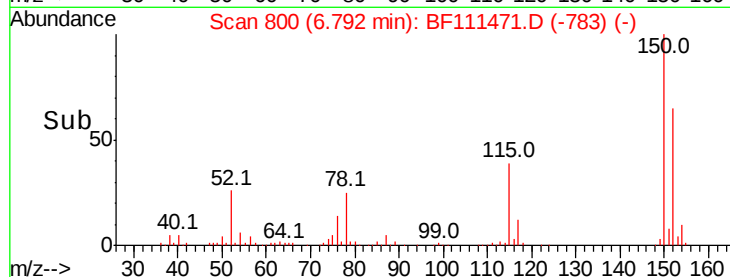


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

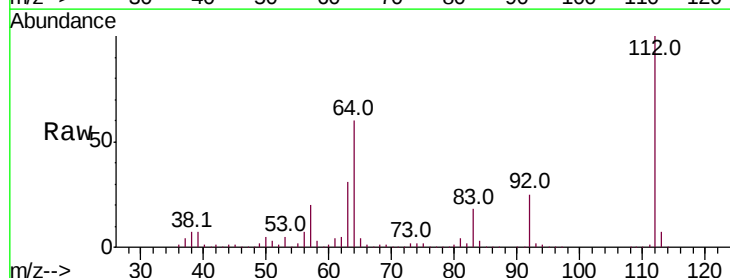
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.438 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.8	77.6
63	31.5	26.8	40.2

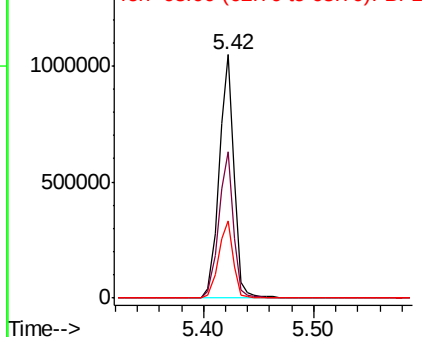
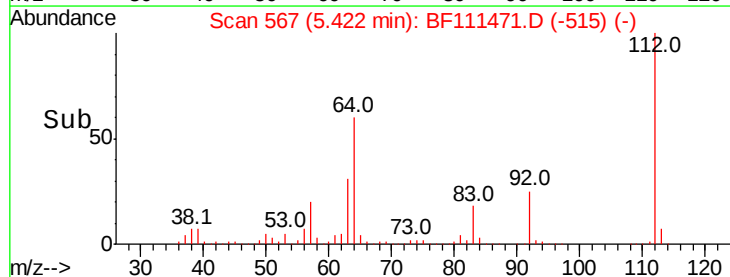


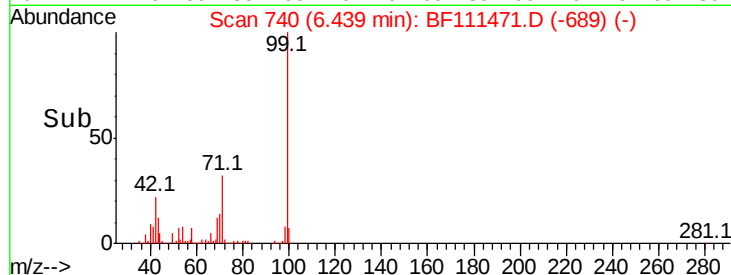
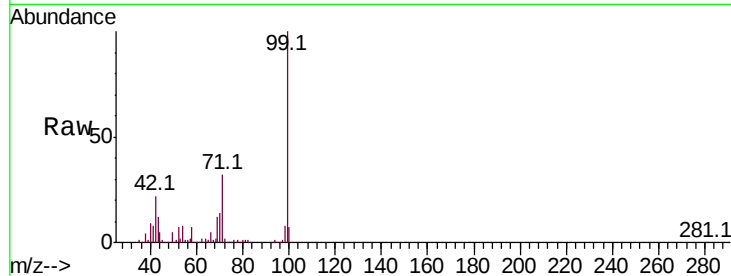
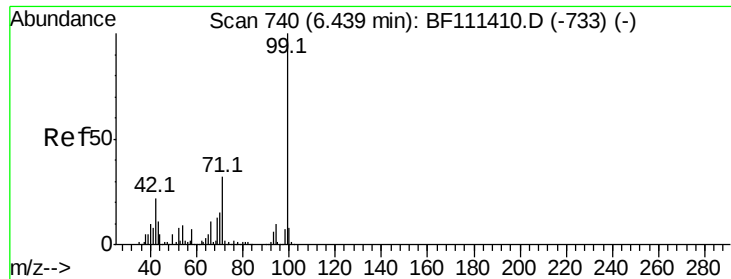
Abundance

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: 100.443 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111471.D

Acq: 15 Dec 2018 16:26

Tot Ion: 99 Resp: 1252616

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

71 32.2 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

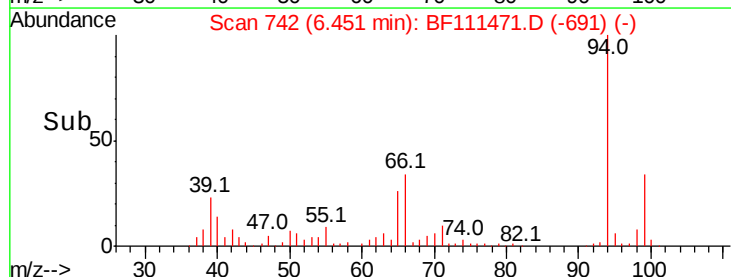
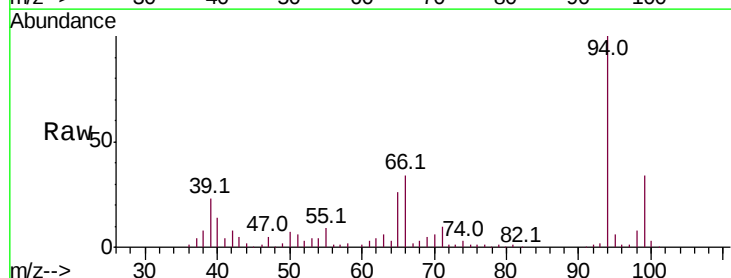
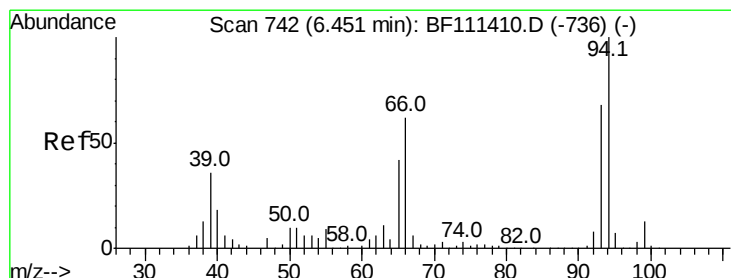
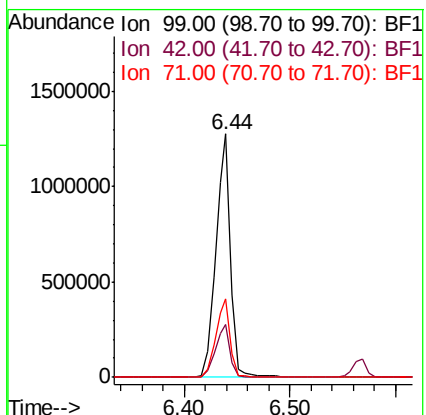
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#10

Phenol

Concen: 6.639 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111471.D

Acq: 15 Dec 2018 16:26

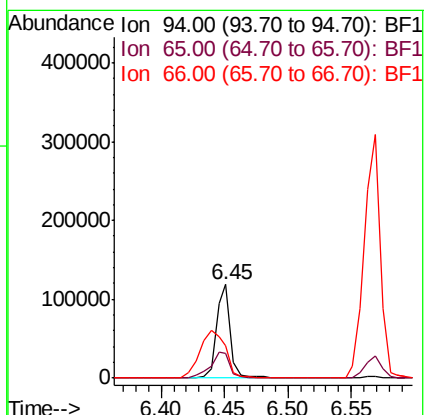
Tgt Ion: 94 Resp: 92235

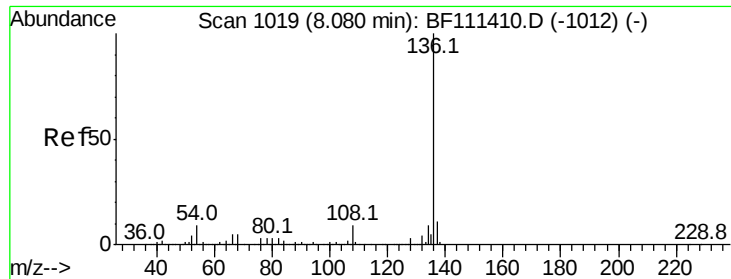
Ion Ratio Lower Upper

94 100

65 26.1 11.7 51.7

66 34.4 21.0 61.0





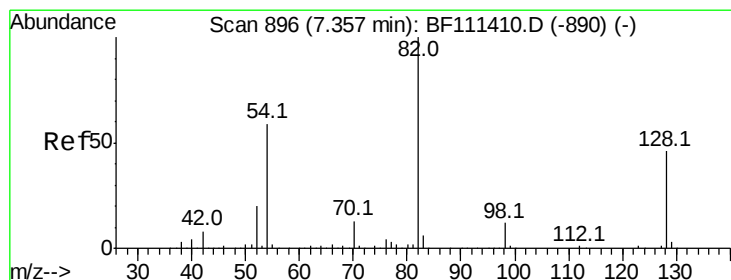
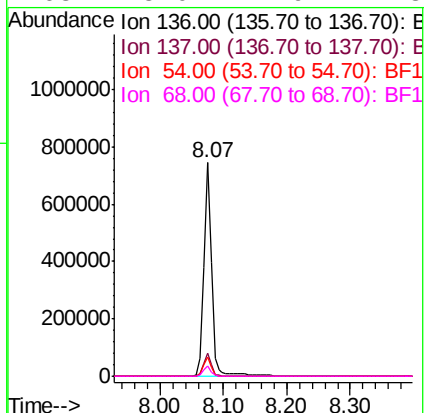
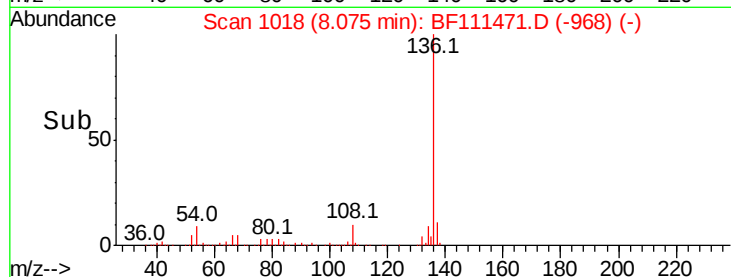
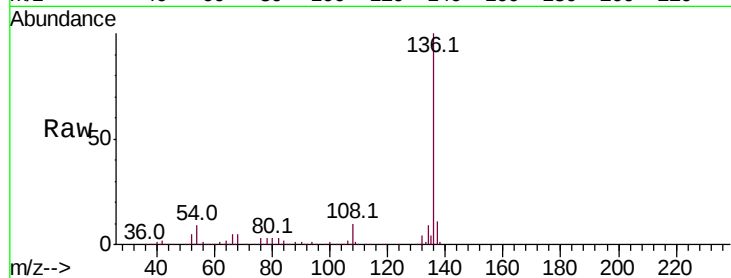
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	9.0	7.7	11.5	
68	5.0	4.9	7.3	

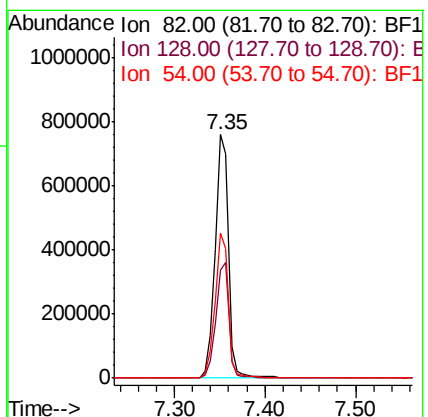
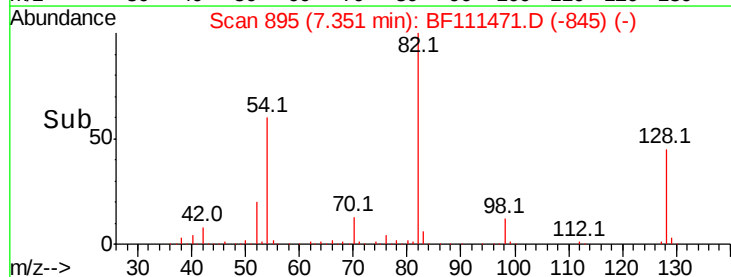
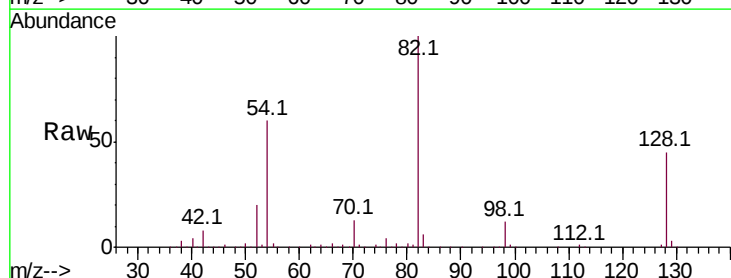
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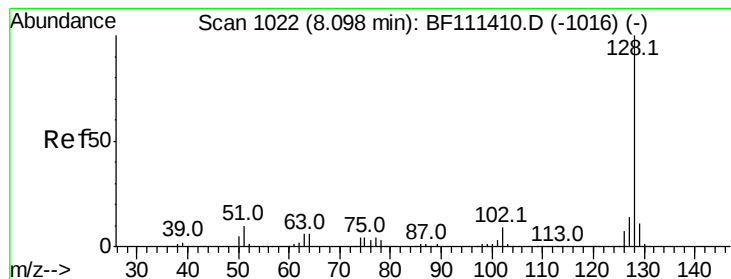
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#23
Nitrobenzene-d5
Concen: 73.688 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.6	37.4	56.2	
54	59.6	47.6	71.4	





#31

Naphthalene

Concen: 3.047 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF111471.D

Acq: 15 Dec 2018 16:26

Instrument :

BNA_F

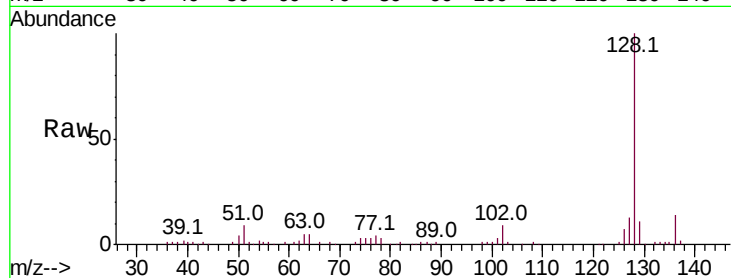
ClientSampleId :

AVE-X-B-BALL-FIELD-S-2

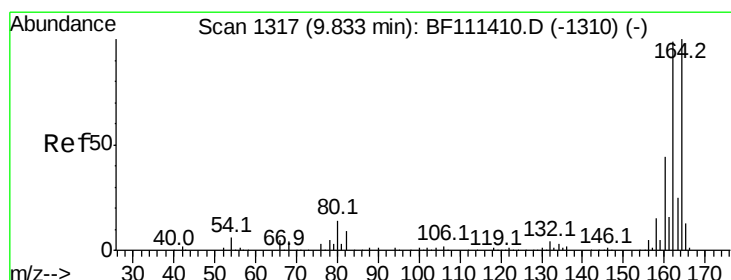
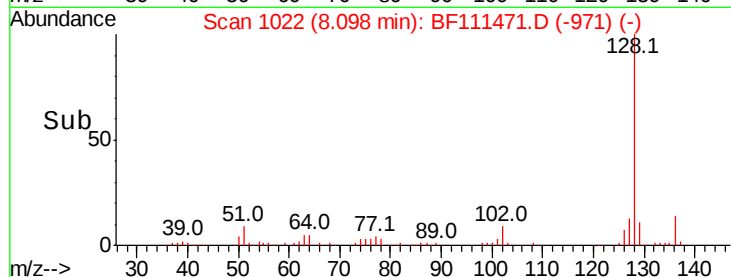
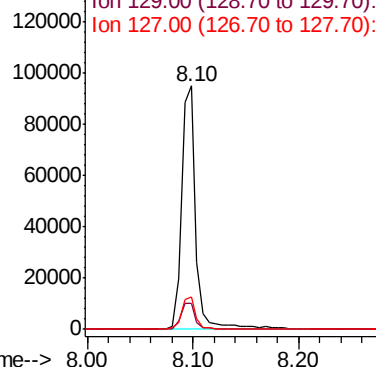
Tot Ion:	128	Resp:	89845
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.8	14.8
127	13.4	12.0	18.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

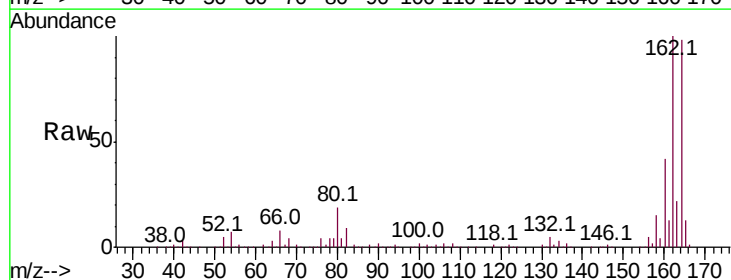
RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

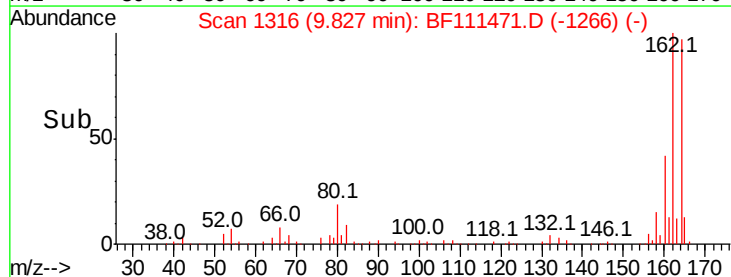
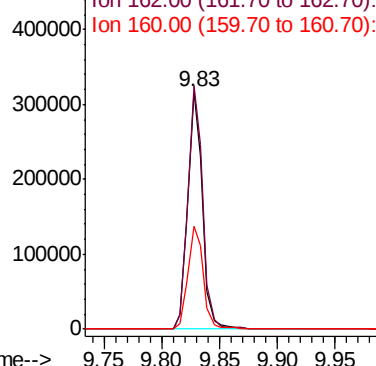
Lab File: BF111471.D

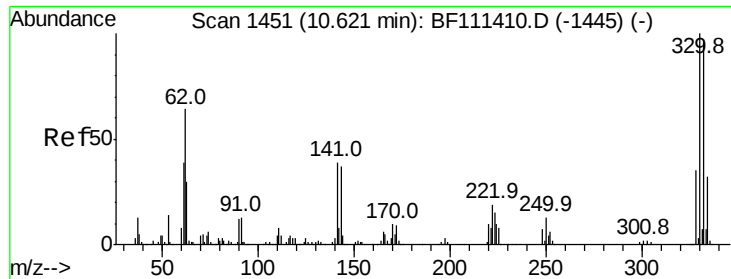
Acq: 15 Dec 2018 16:26

Tgt Ion:	164	Resp:	278640
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.4	122.0
160	43.1	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: 73.606 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111471.D

Acq: 15 Dec 2018 16:26

Instrument :

BNA_F

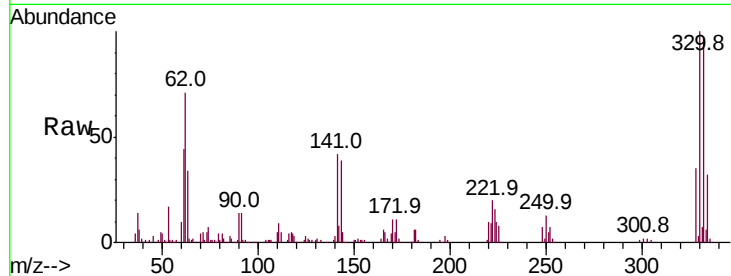
ClientSampleId :

AVE-X-B-BALL-FIELD-S-2

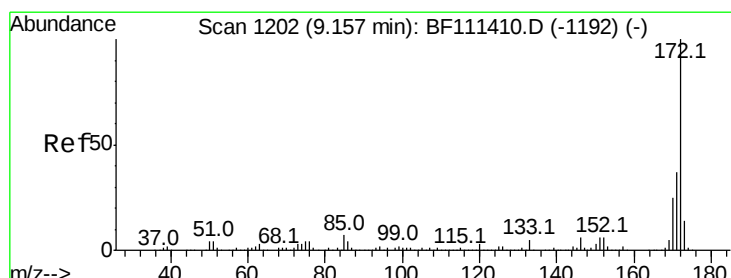
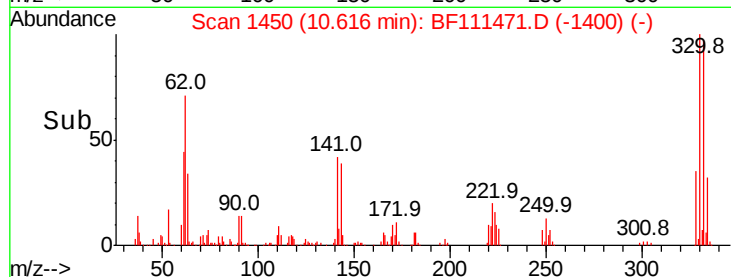
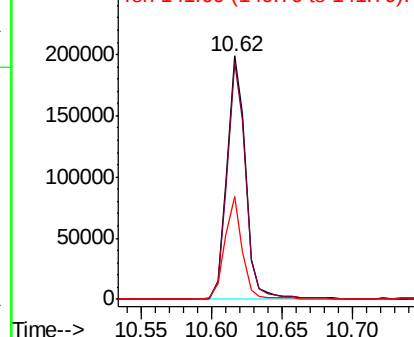
Tot Ion:	330	Resp:	183721
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.0	114.0
141	40.3	31.0	46.6

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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: 72.663 ng

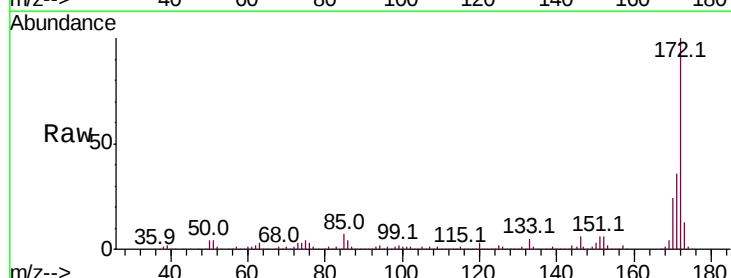
RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

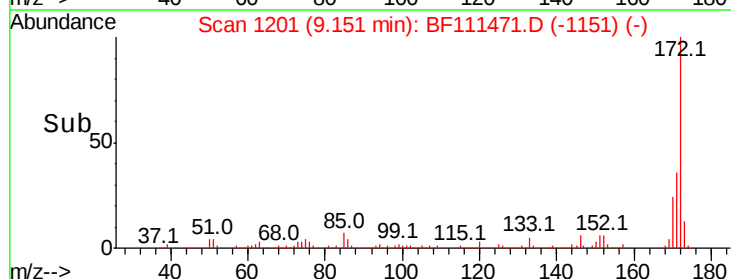
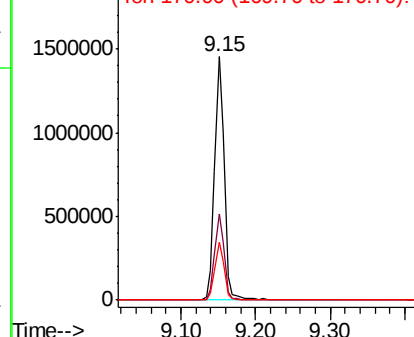
Lab File: BF111471.D

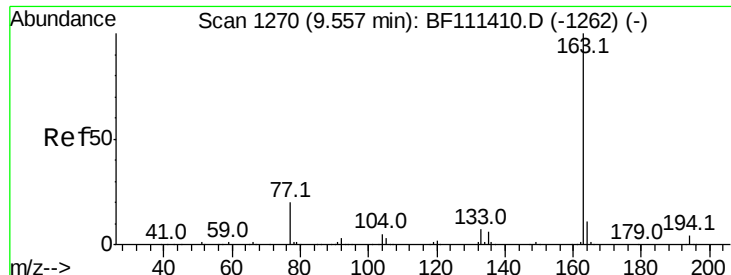
Acq: 15 Dec 2018 16:26

Tgt Ion:	172	Resp:	1310779
Ion Ratio	Lower	Upper	
172	100		
171	35.5	33.0	49.4
170	24.0	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





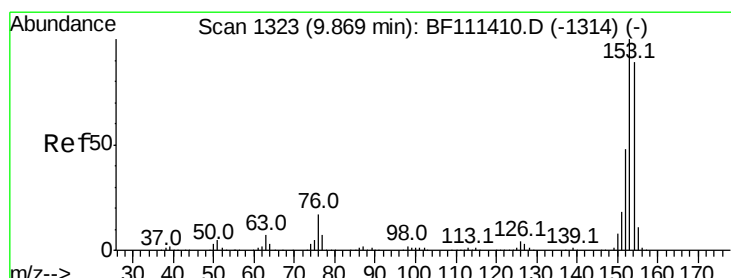
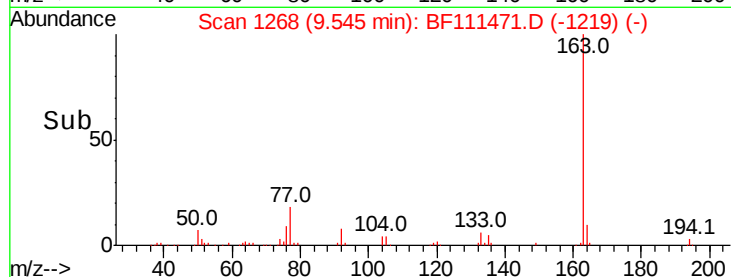
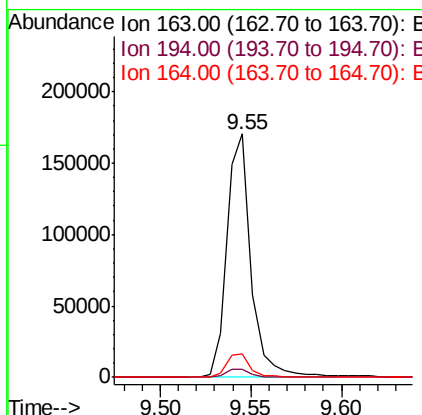
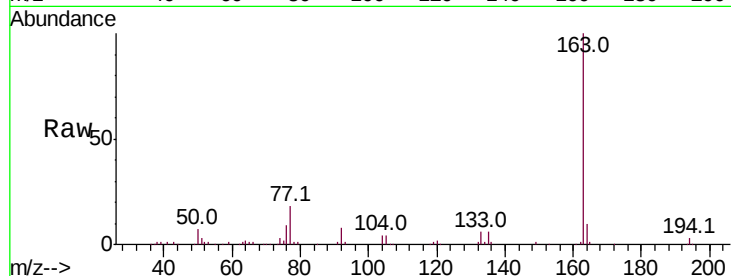
#50
Dimethylphthalate
Concen: 7.878 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	158097		
194	3.2		3.0	4.6
164	9.7		8.9	13.3

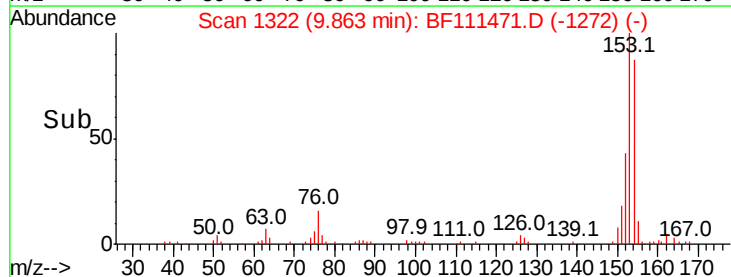
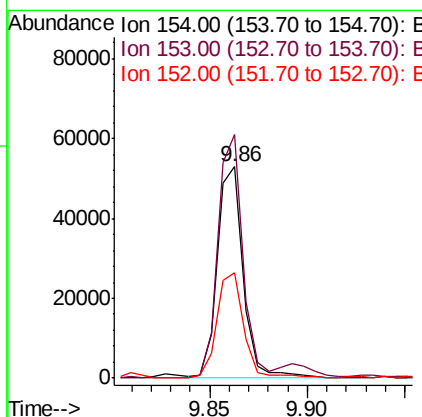
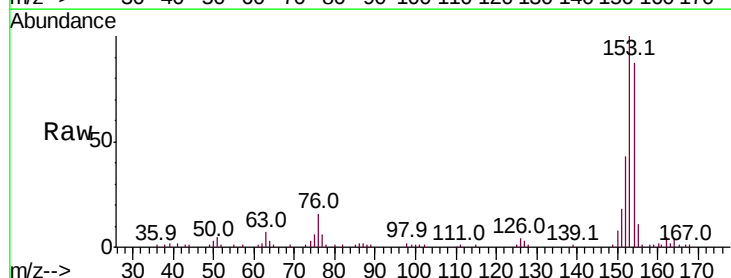
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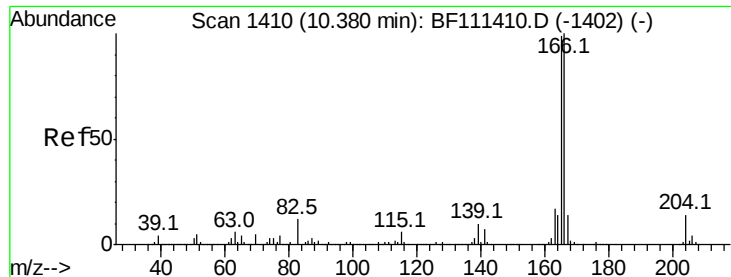
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#52
Acenaphthene
Concen: 2.895 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48734		
153	115.1		87.8	131.8
152	49.9		43.4	65.2





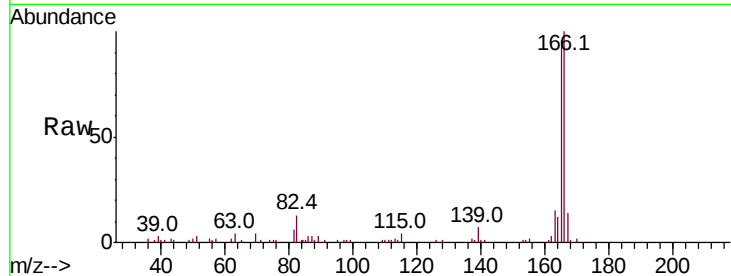
#58
 Fluorene
 Concen: 2.575 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.4	117.6
167	14.3	11.2	16.8

Manual Integrations
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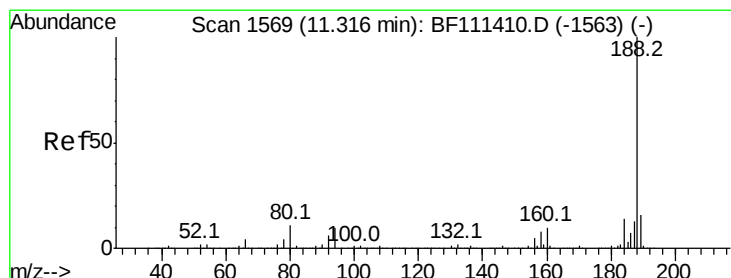
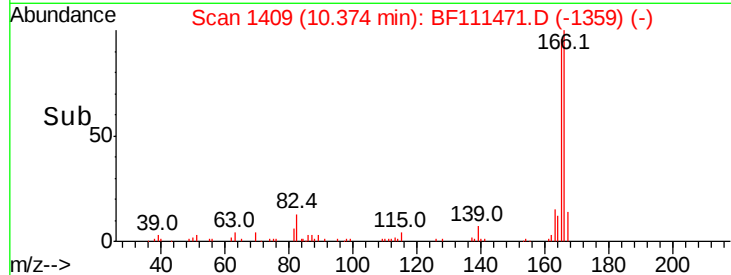
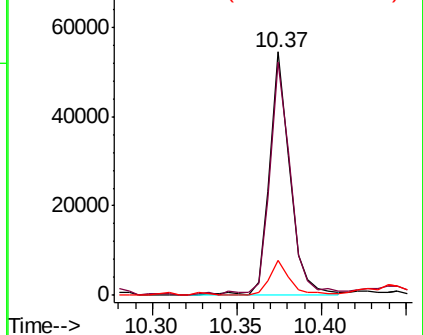


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

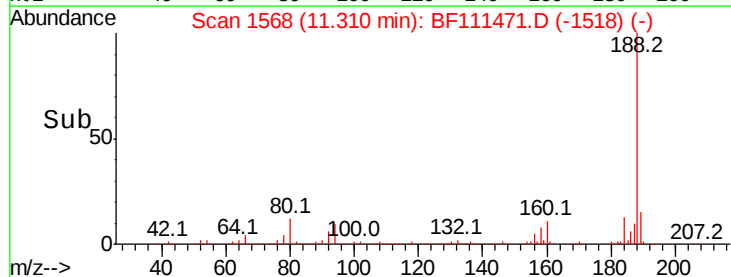
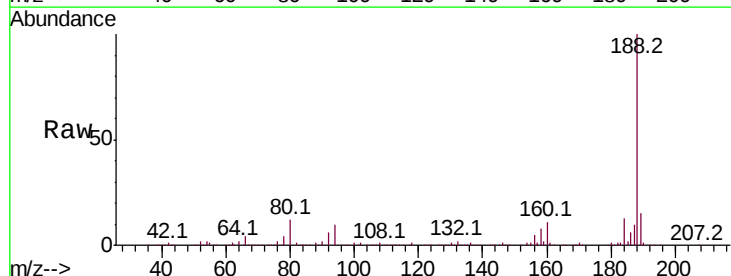
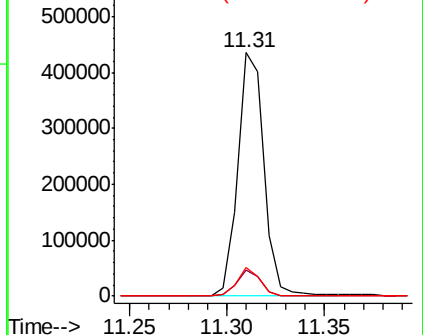
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.6	14.4
80	12.0	9.8	14.6

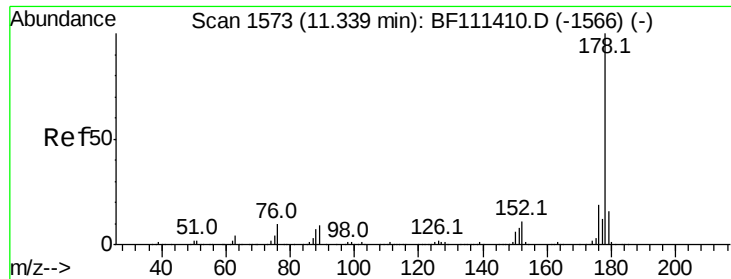
Abundance

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





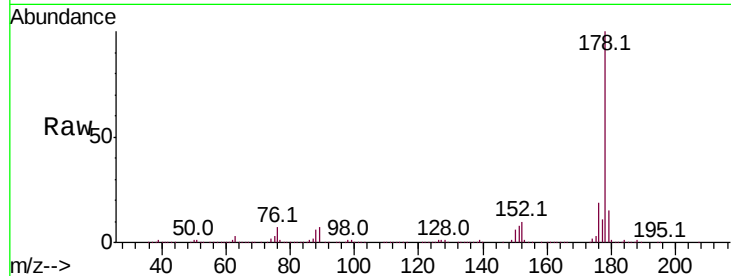
#71
Phenanthrene
Concen: 23.099 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	18.1	27.1
179	15.1	14.0	21.0

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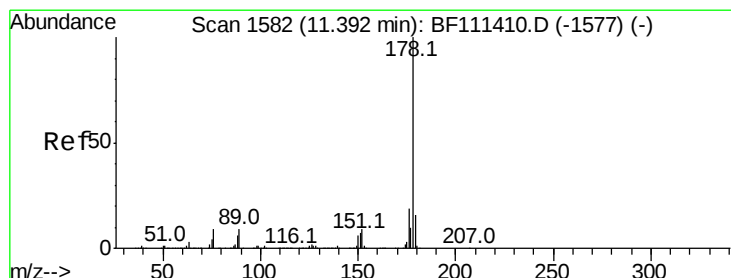
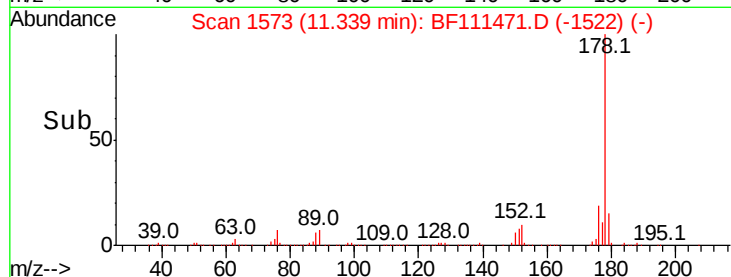
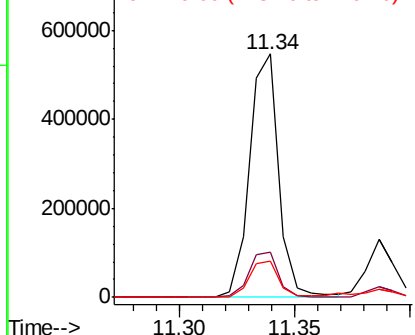


Abundance

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: 4.749 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

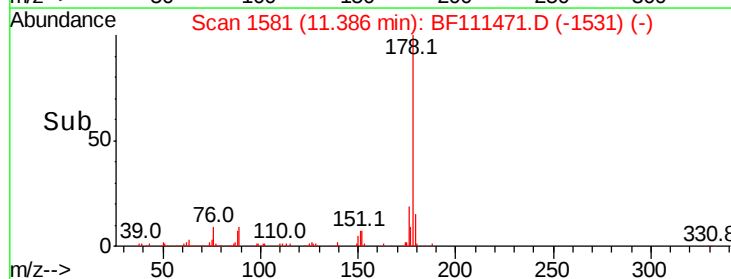
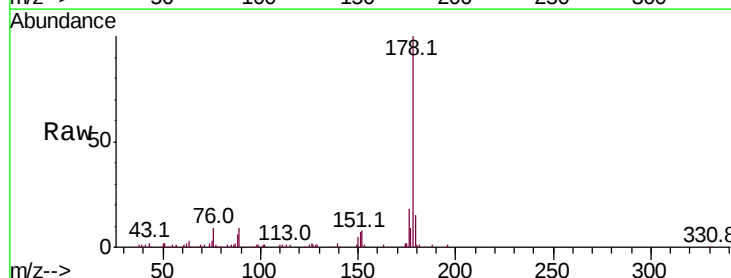
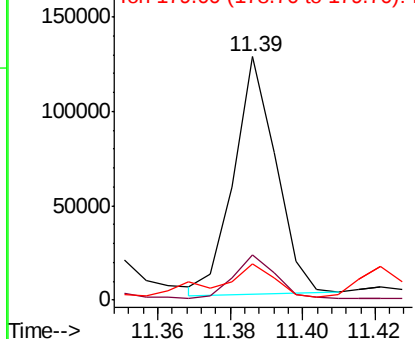
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	17.2	25.8
179	14.7	13.8	20.8

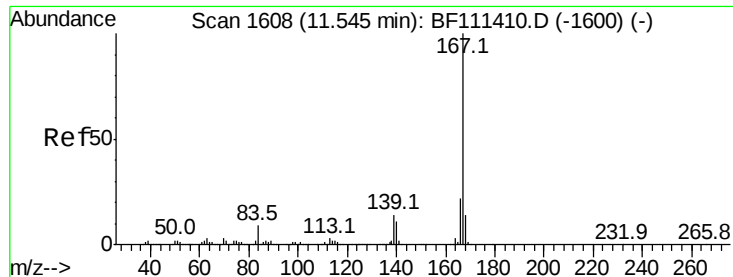
Abundance

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





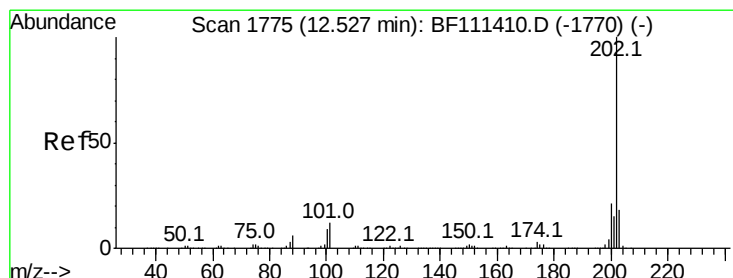
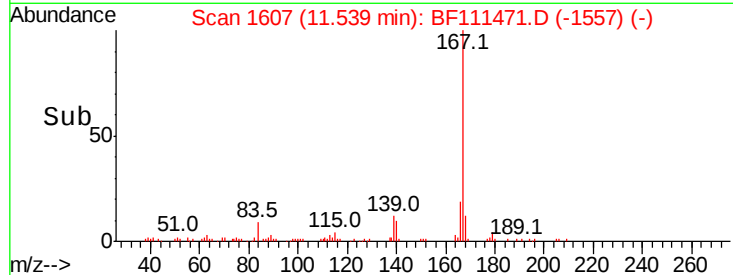
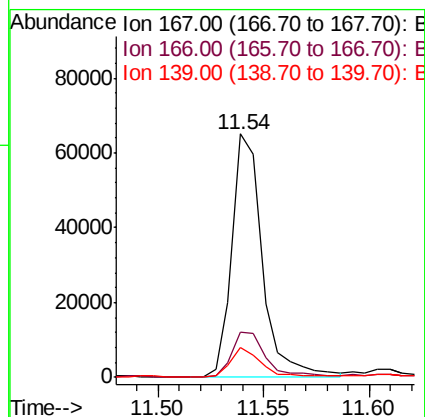
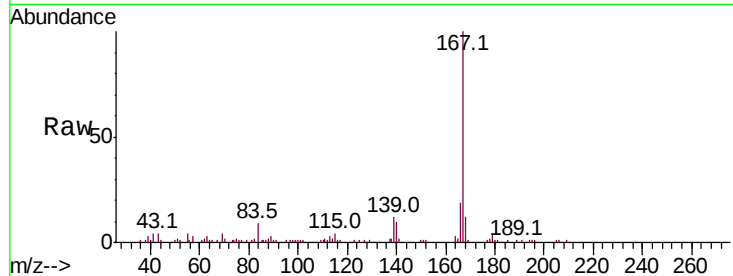
#73
 Carbazole
 Concen: 2.943 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-2

Tot Ion:	167	Resp:	65088
Ion Ratio	Lower	Upper	
167	100		
166	18.5	19.3	28.9#
139	12.3	11.9	17.9

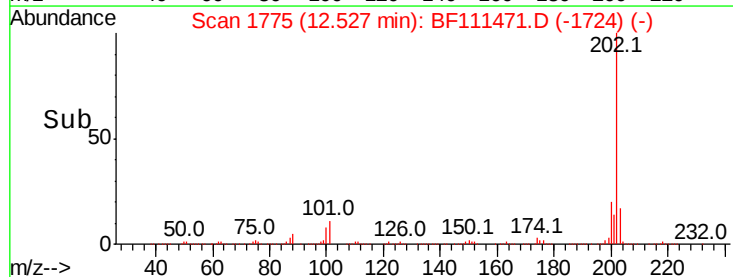
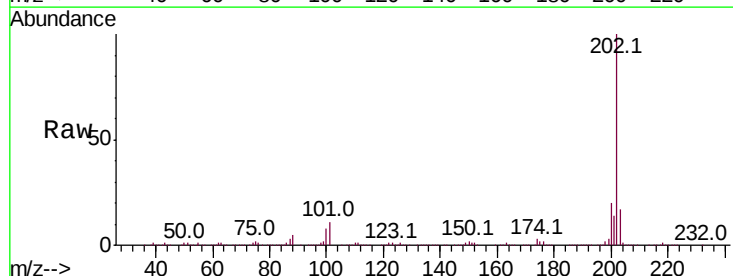
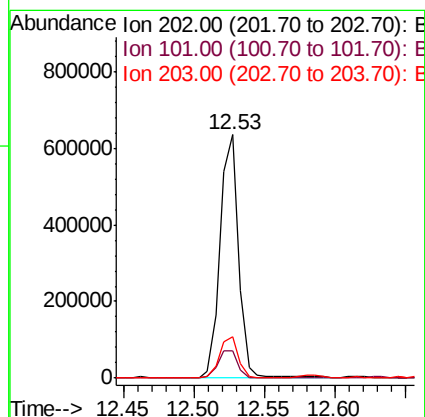
Manual Integrations
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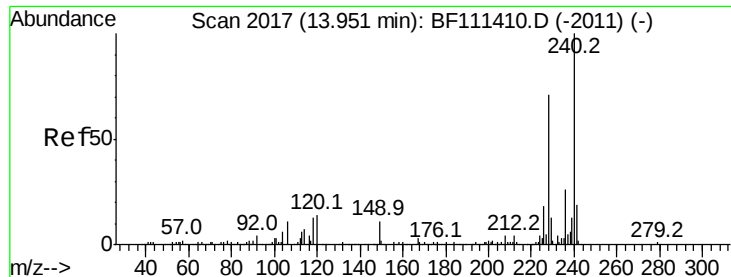
Sohil
 12/17/2018 3:12:05 PM



#75
 Fluoranthene
 Concen: 28.479 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

Tgt Ion:	202	Resp:	582752
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.8
203	17.1	0.0	38.6





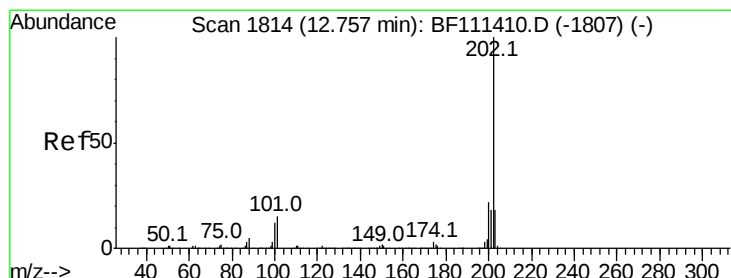
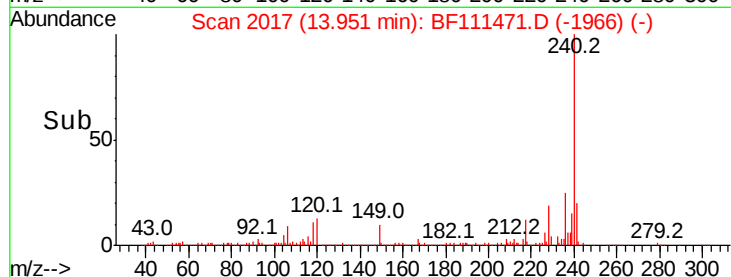
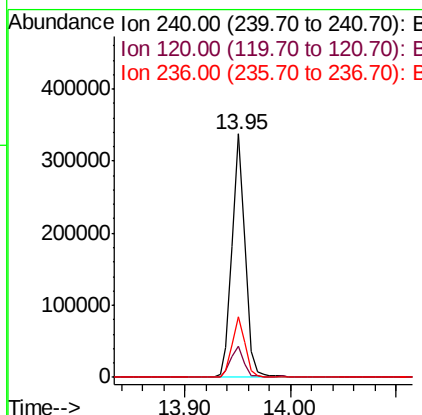
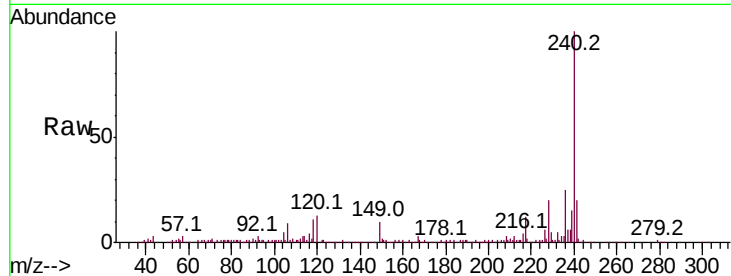
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	289894		
120	12.8		12.2	18.2
236	25.0		20.2	30.2

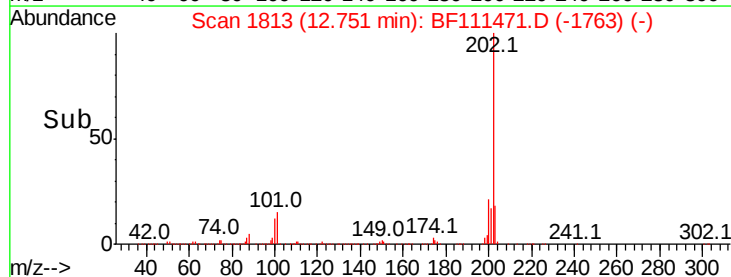
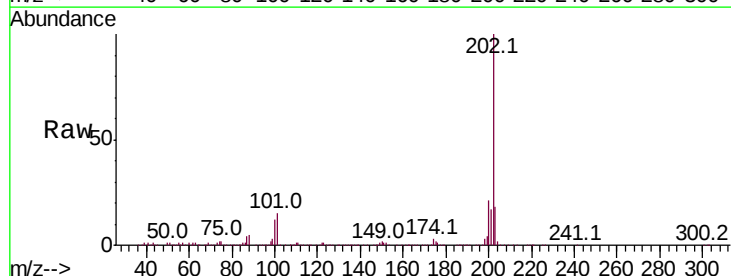
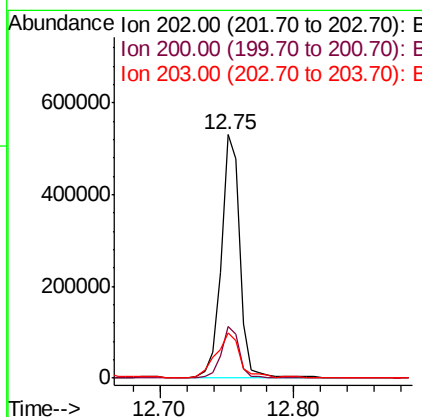
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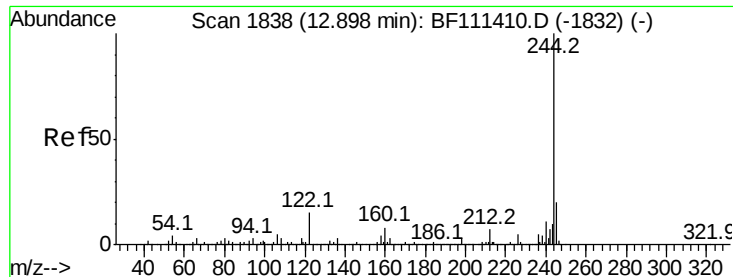
Sohil
12/17/2018 3:12:05 PM



#78
Pyrene
Concen: 25.478 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	520737		
200	21.0		19.0	28.4
203	18.5		15.2	22.8





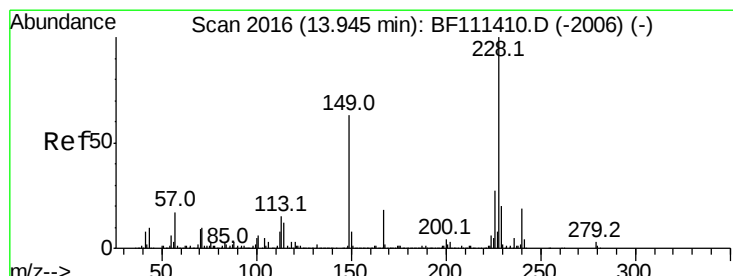
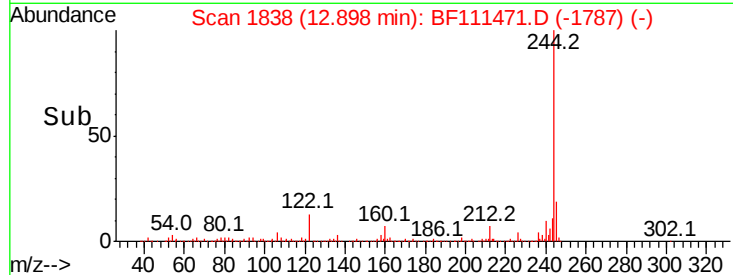
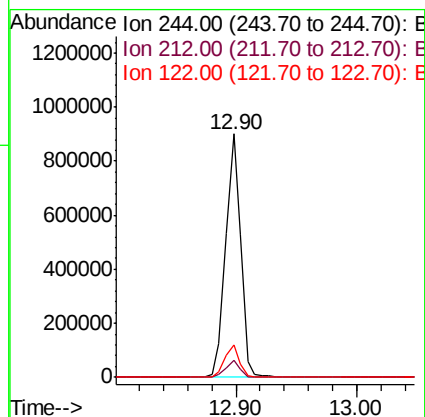
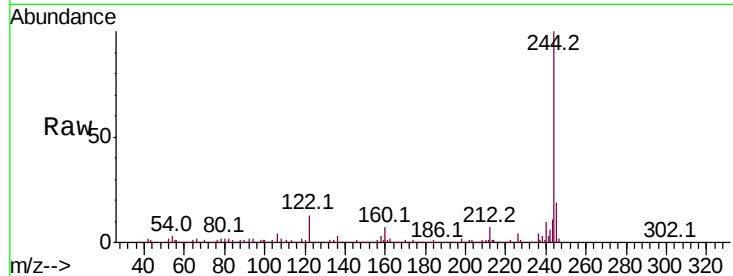
#79
 Terphenyl-d14
 Concen: 62.982 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	13.1	13.1	19.7

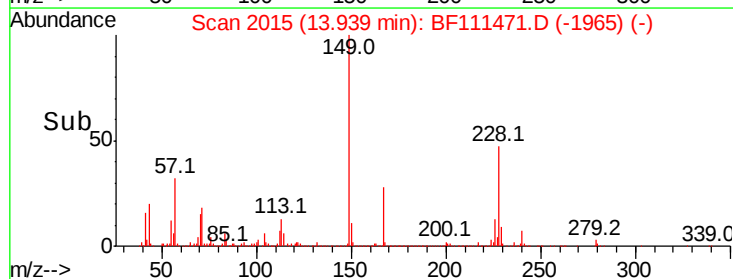
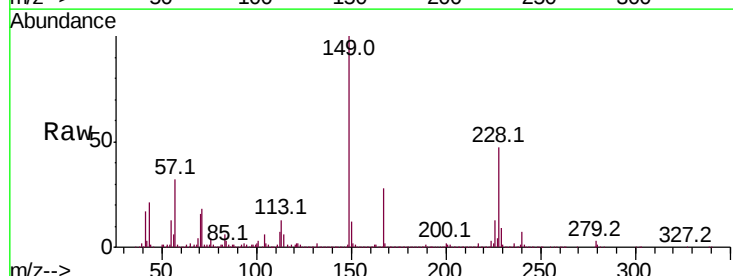
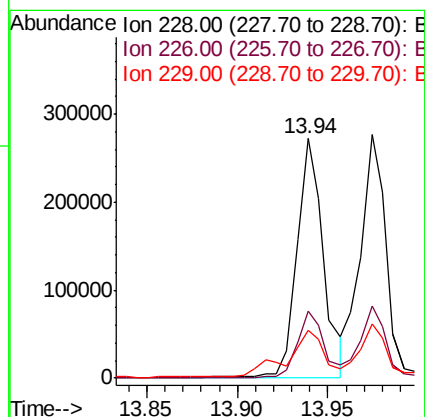
Manual Integrations
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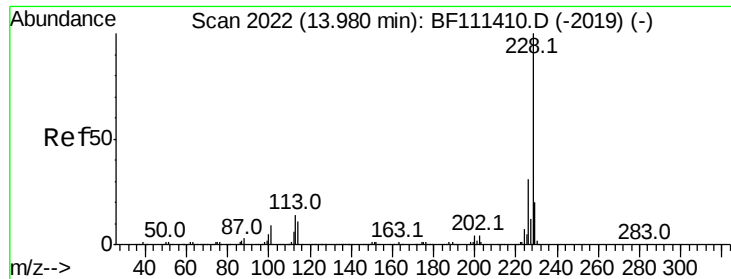
Sohil
 12/17/2018 3:12:05 PM



#81
 Benzo(a)anthracene
 Concen: 17.669 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	34.0
229	20.1	16.3	24.5





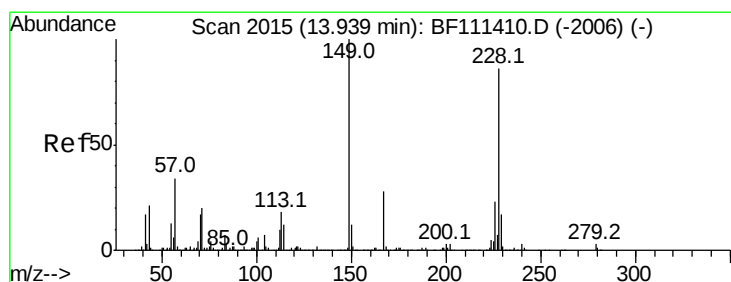
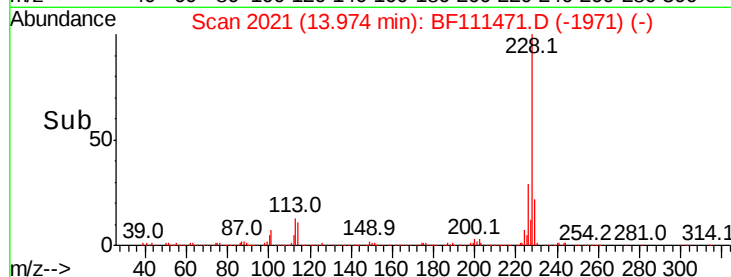
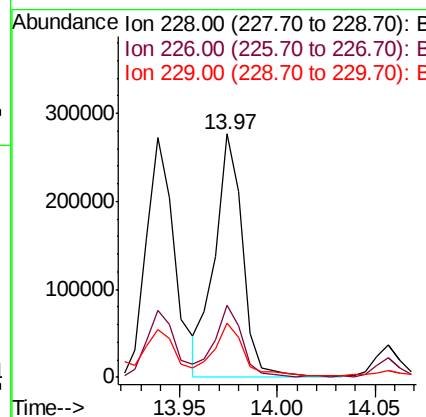
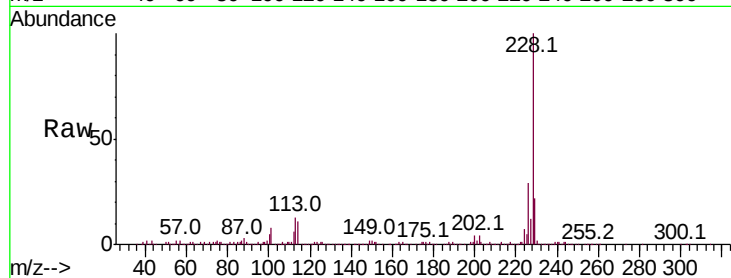
#83
Chrysene
Concen: 16.401 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.3	37.9
229	22.1	17.2	25.8

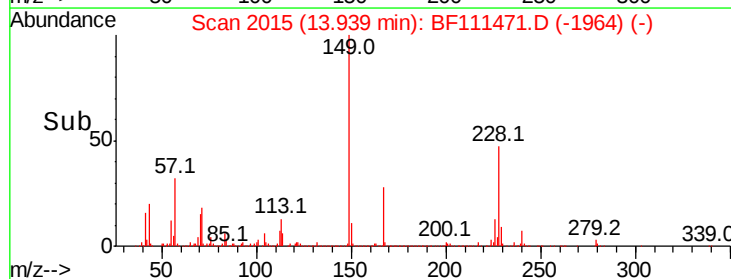
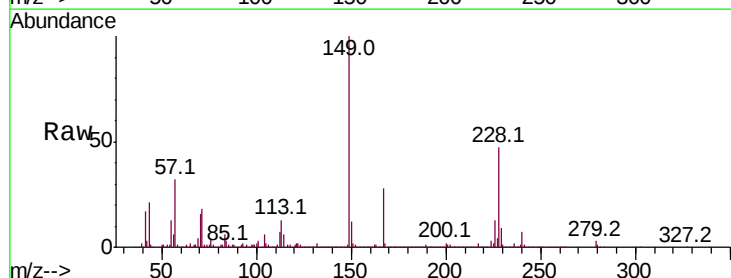
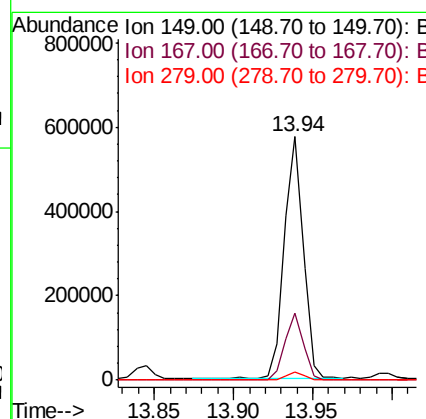
Manual Integrations
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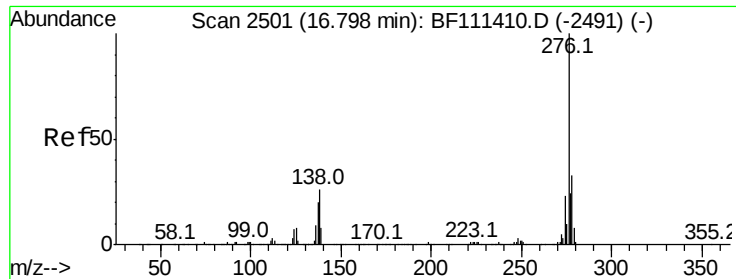
Sohil
12/17/2018 3:12:05 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.932 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.5	33.7
279	3.3	2.6	4.0





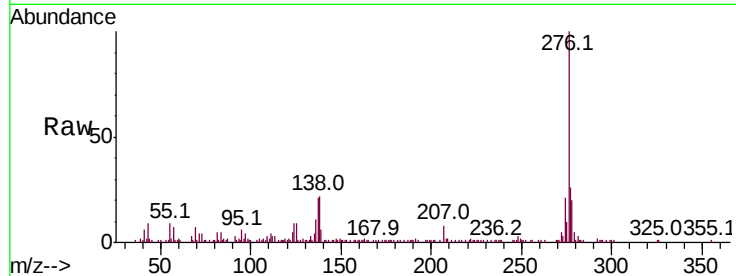
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.647 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	27.8	41.6#
277	25.0	20.1	30.1

Manual Integrations
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Sohil
12/17/2018 3:12:05 PM

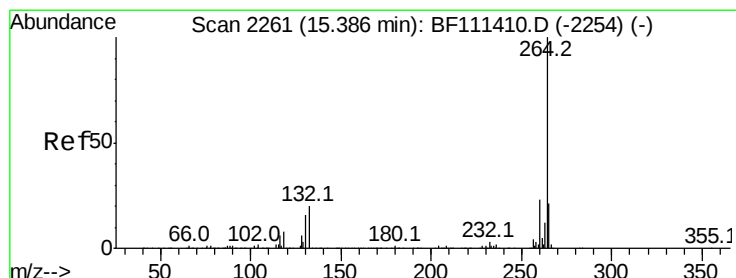
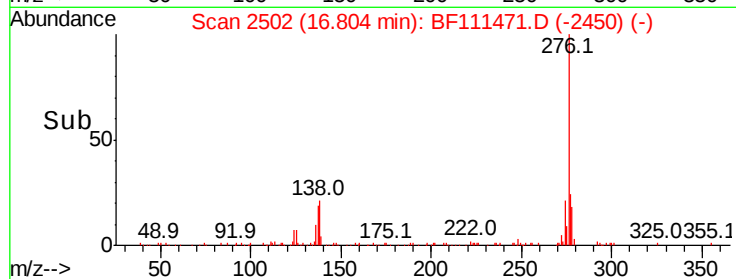
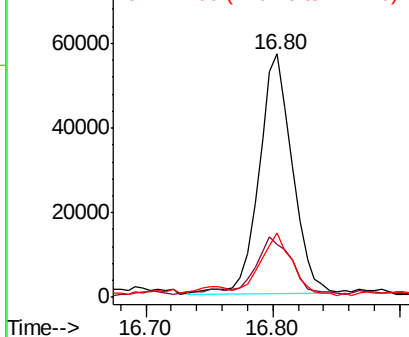


Abundance

Ion 276.00 (275.70 to 276.70): E

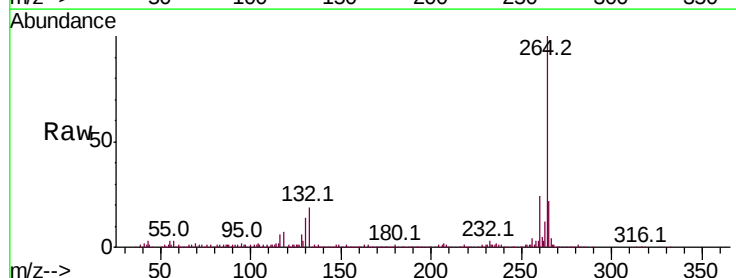
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	22.0	17.7	26.5

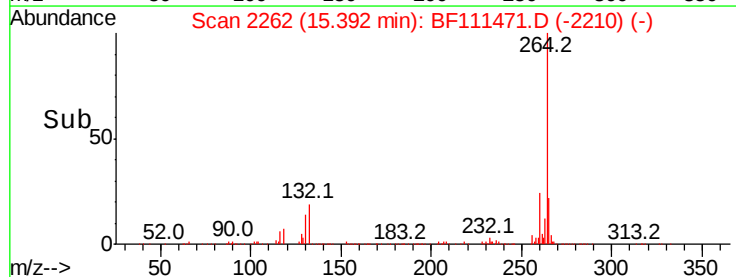
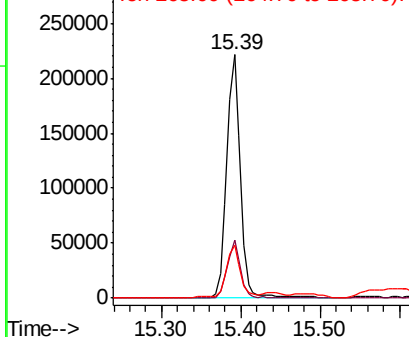


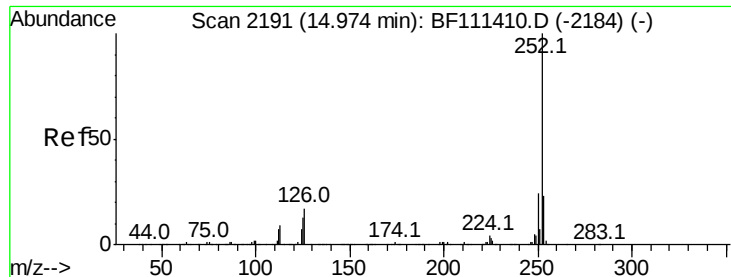
Abundance

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





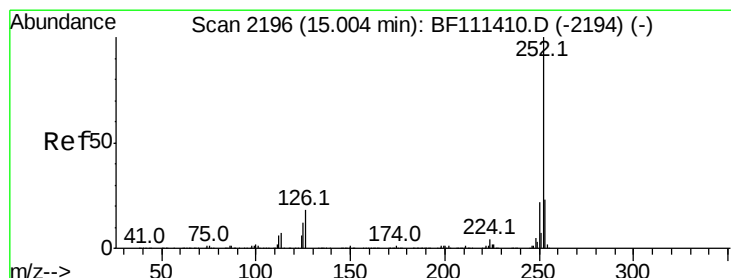
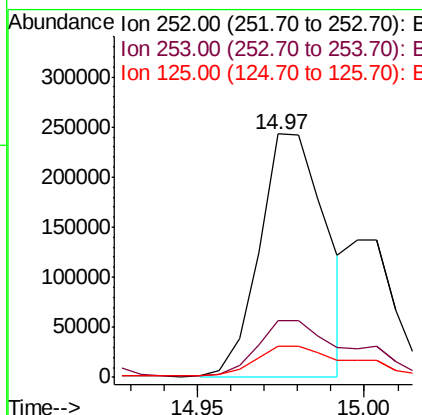
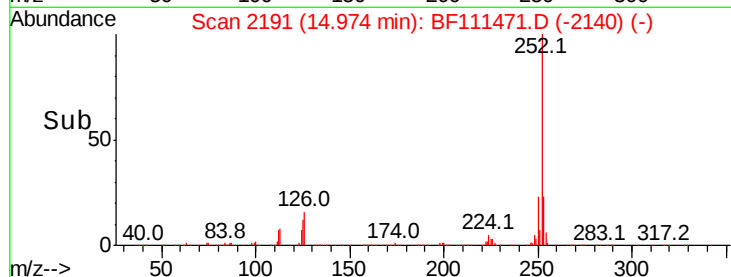
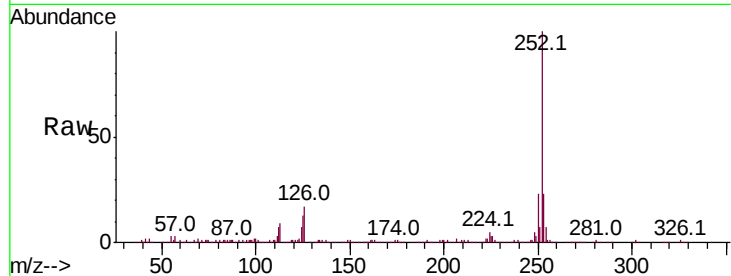
#88
Benzo(b)fluoranthene
Concen: 21.485 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.8	10.4	15.6

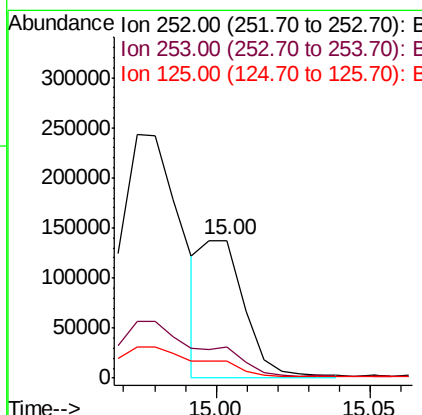
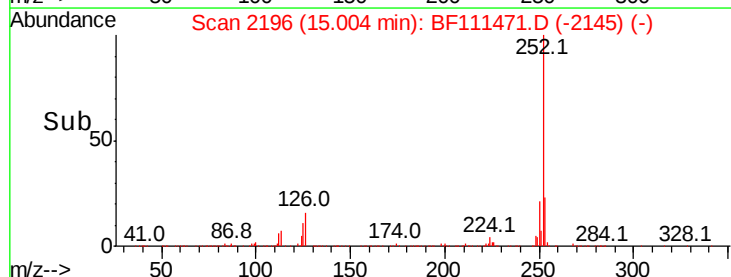
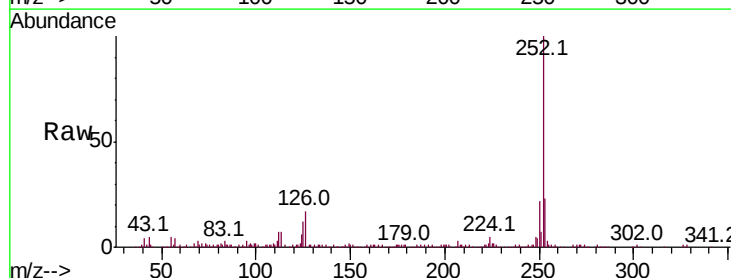
Manual Integrations
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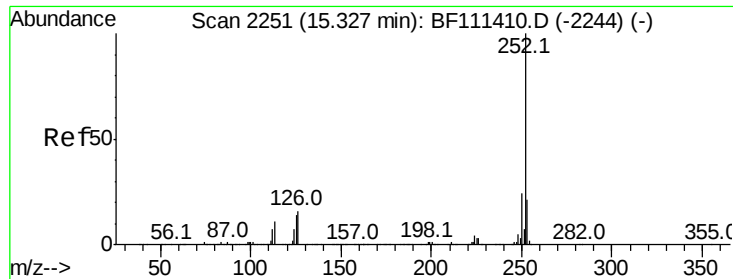
Sohil
12/17/2018 3:12:05 PM



#89
Benzo(k)fluoranthene
Concen: 8.825 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.0	9.8	14.8





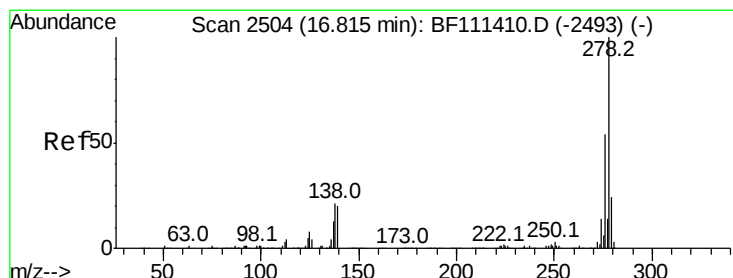
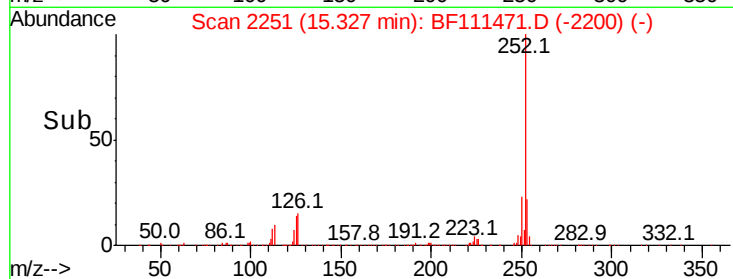
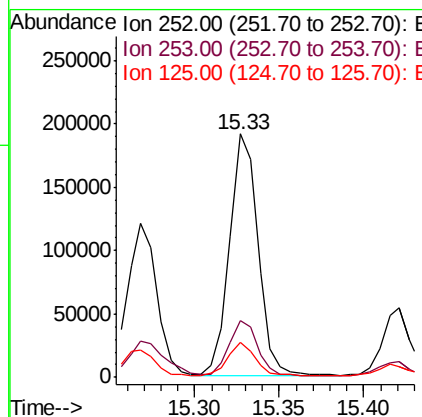
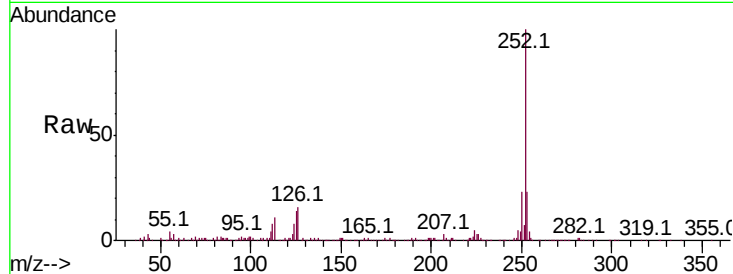
#90
Benzo(a)pyrene
Concen: 16.006 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	14.5	12.3	18.5

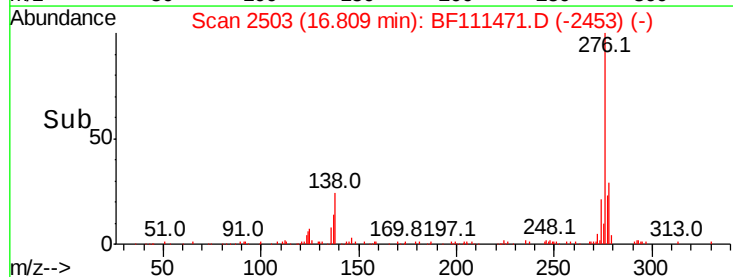
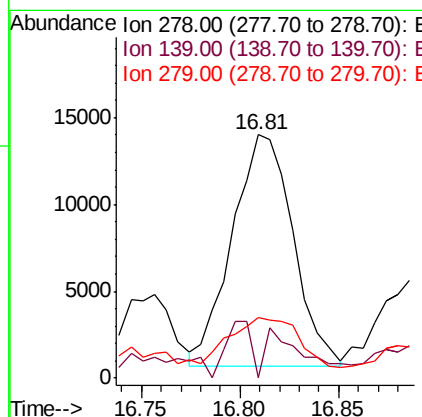
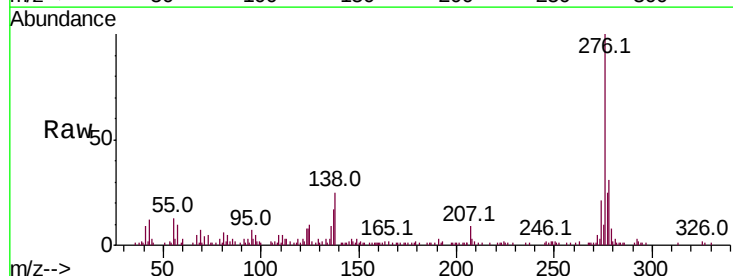
Manual Integrations
APPROVED

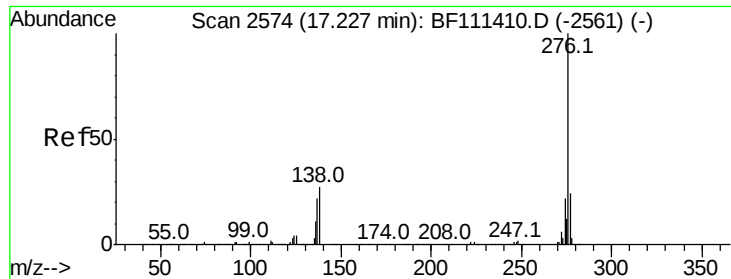
Sohil
12/17/2018 3:12:05 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.587 ng m
RT: 16.81 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BF111471.D
Acq: 15 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	18.2	27.4#
279	25.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.859 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111471.D
 Acq: 15 Dec 2018 16:26

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	24.5	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/17/2018 3:12:05 PM

