

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117726.D
 Acq On : 8 Nov 2019 00:55
 Operator : JU
 Sample : K5722-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-A

Manual Integrations
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 11/8/2019 3:31:50 PM

Quant Time: Nov 08 03:06:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	303462	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1169487	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	620862	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1093574	20.00	ng	0.00
76) Chrysene-d12	14.13	240	693454	20.00	ng	0.00
87) Perylene-d12	15.64	264	895043	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1362912	81.30	ng	0.00
7) Phenol-d6	6.55	99	1809280	87.53	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1123970	56.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	503016	82.82	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2186606	69.49	ng	0.00
79) Terphenyl-d14	13.06	244	2168629	64.38	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.69	163	114867	2.737	ng	99
52) Acenaphthene	10.01	154	79835	2.354	ng	98
58) Fluorene	10.53	166	124790	3.568	ng	99
71) Phenanthrene	11.50	178	2238447	42.705	ng	99
72) Anthracene	11.55	178	640407	12.280	ng	96
73) Carbazole	11.70	167	162885	3.417	ng	97
75) Fluoranthene	12.70	202	3515716	65.687	ng	98
78) Pyrene	12.93	202	3217471	63.559	ng	99
81) Benzo(a)anthracene	14.12	228	1947631	45.121	ng	98
83) Chrysene	14.15	228	1663122	39.016	ng	98
86) Indeno(1,2,3-cd)pyrene	17.17	276	1031764	26.005	ng	94
88) Benzo(b)fluoranthene	15.19	252	2348741m	41.666	ng	
89) Benzo(k)fluoranthene	15.22	252	777875m	15.472	ng	
90) Benzo(a)pyrene	15.57	252	1672850	34.233	ng	99
91) Dibenzo(a,h)anthracene	17.18	278	277538	6.333	ng	98
92) Benzo(g,h,i)perylene	17.64	276	872499	20.542	ng	99

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

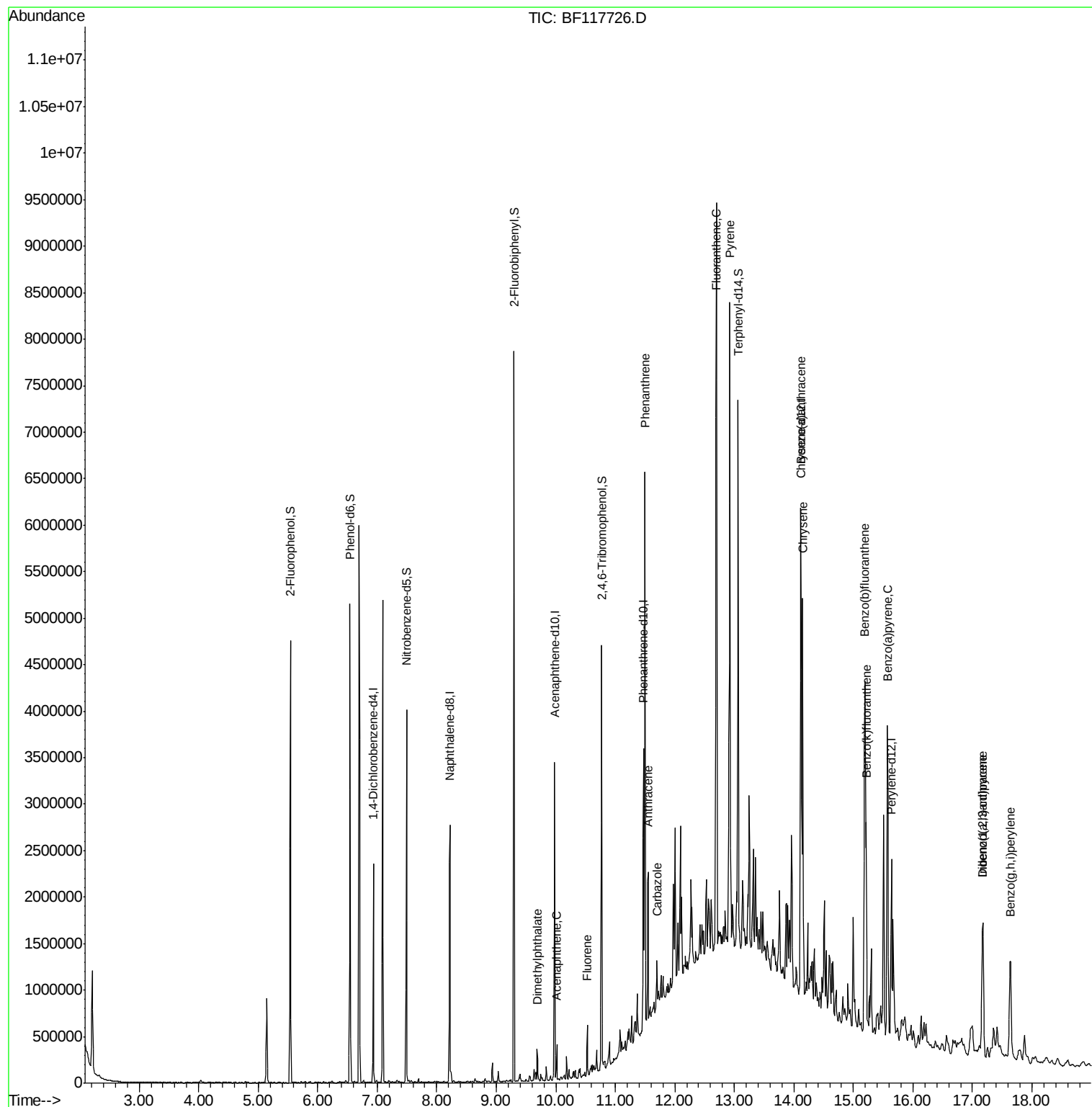
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
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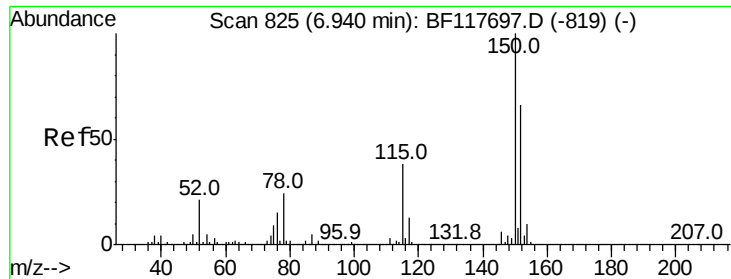
Instrument :
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#1

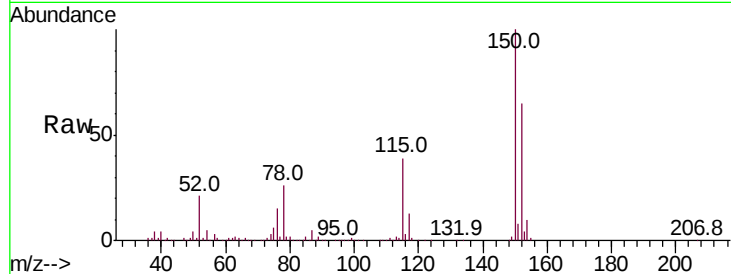
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Instrument :
BNA_F
ClientSampleId :
1-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	121.4	182.2
115	59.6	46.7	70.1

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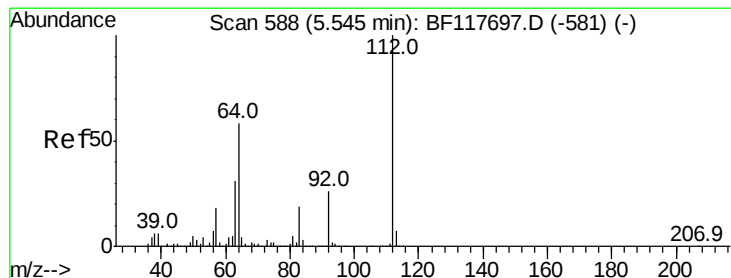
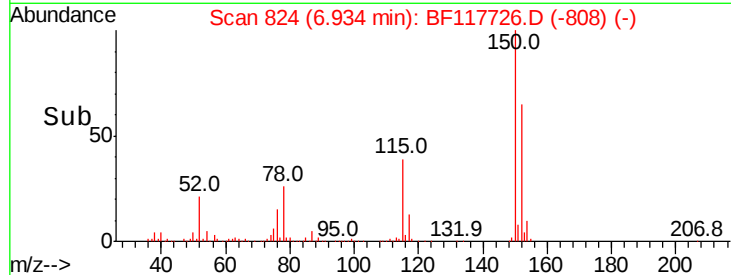
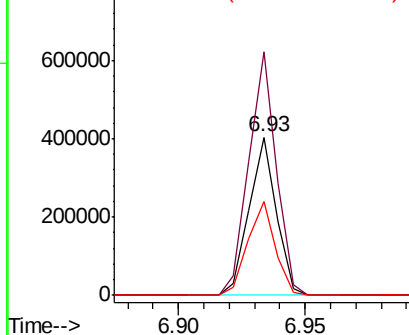


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

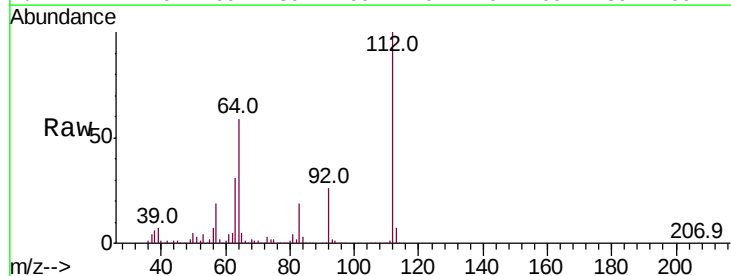
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.298 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.4	69.6
63	31.2	24.6	37.0

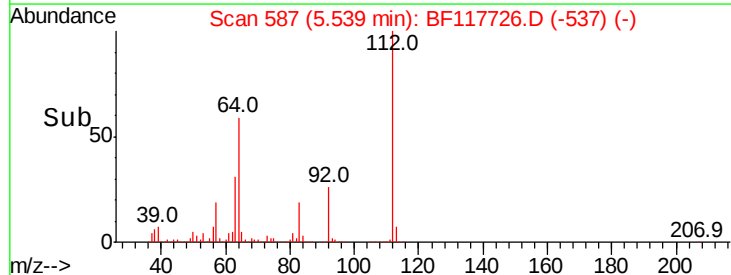
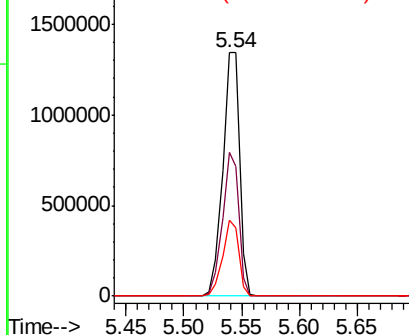


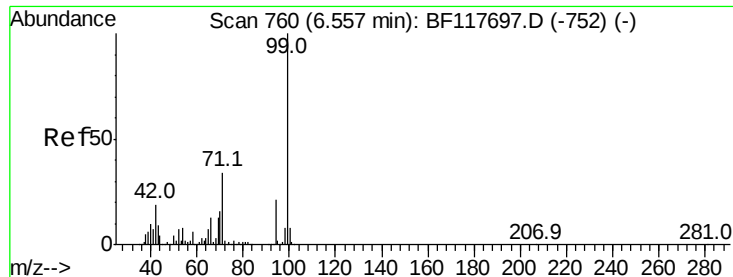
Abundance

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: 87.527 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Instrument :

BNA_F

ClientSampleId :

1-A

Tot Ion: 99 Resp: 1809280

Ion Ratio Lower Upper

99 100

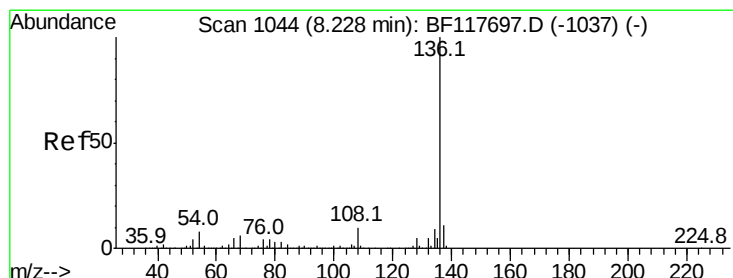
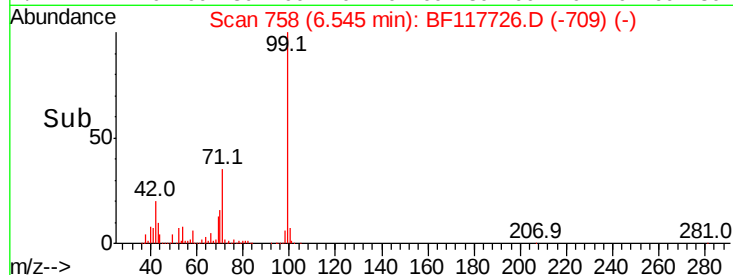
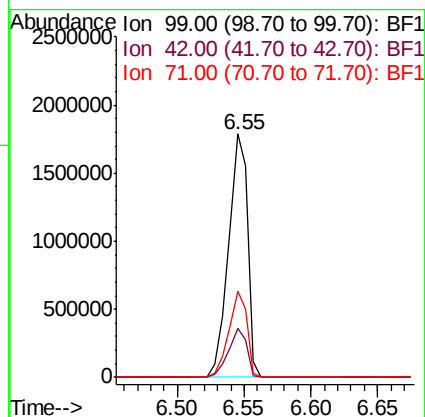
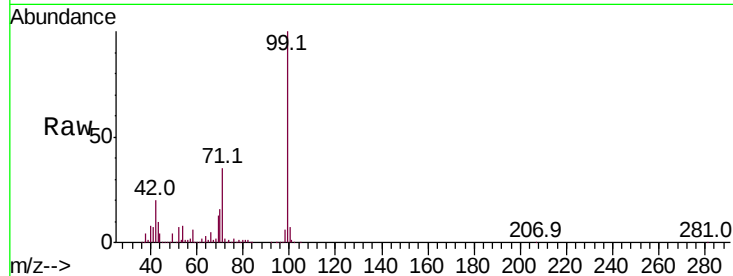
42 20.3 15.3 22.9

71 35.4 26.8 40.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Tgt Ion: 136 Resp: 1169487

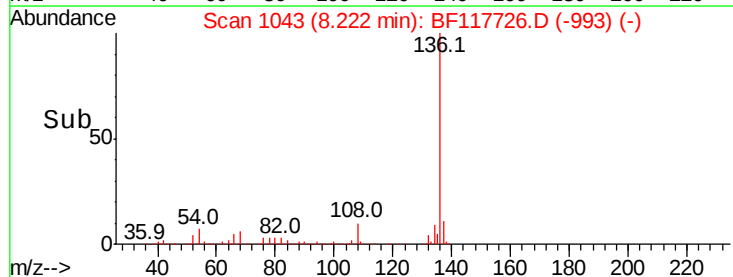
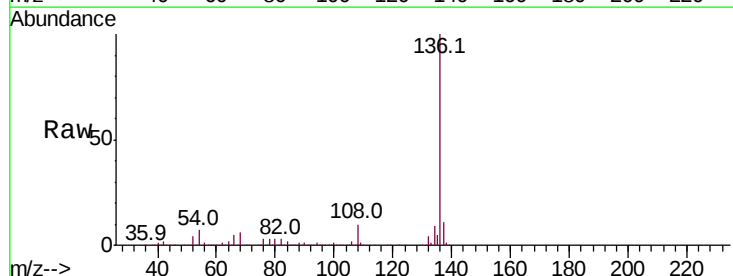
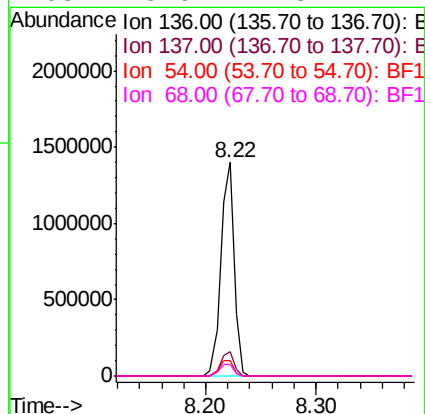
Ion Ratio Lower Upper

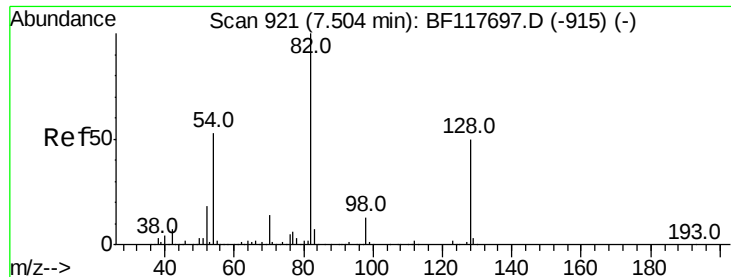
136 100

137 11.3 8.8 13.2

54 7.3 6.0 9.0

68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 56.741 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Instrument :

BNA_F

ClientSampled :

1-A

Tot Ion: 82 Resp: 1123970

Ion Ratio Lower Upper

82 100

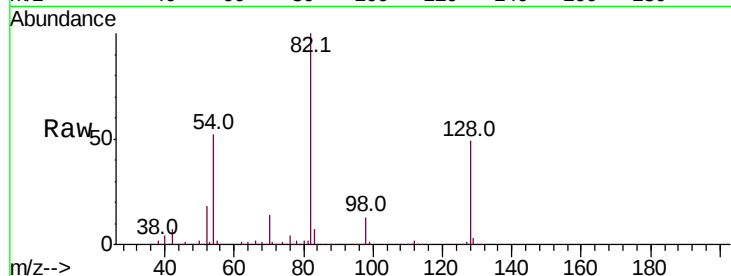
128 48.7 40.2 60.2

54 52.2 42.0 63.0

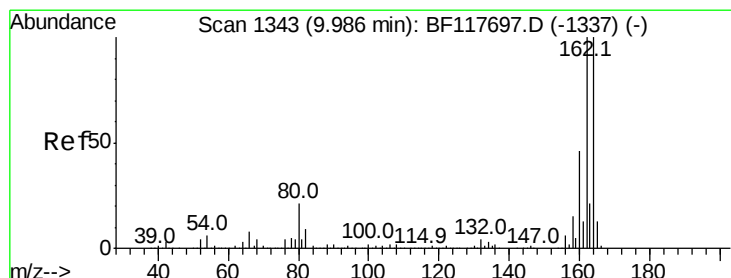
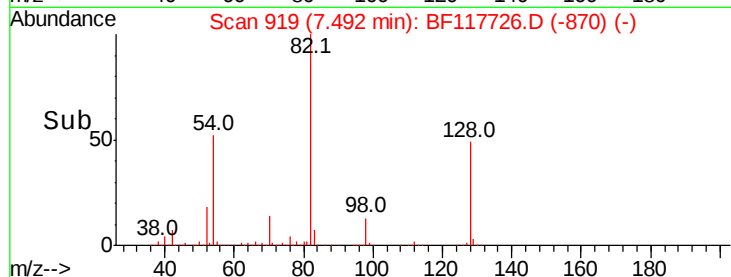
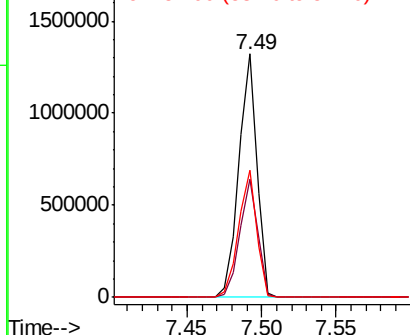
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

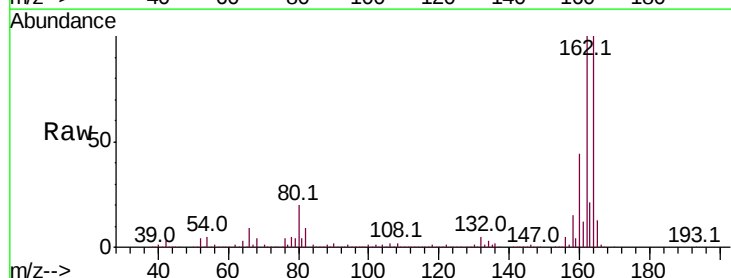
Tgt Ion:164 Resp: 620862

Ion Ratio Lower Upper

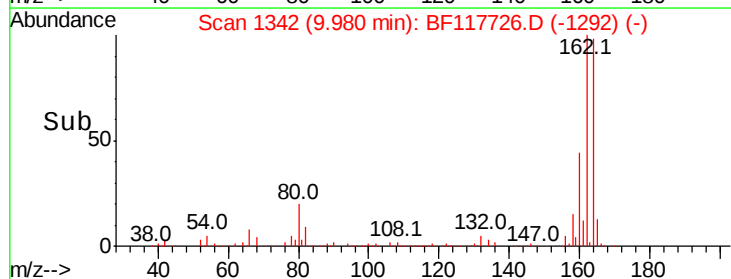
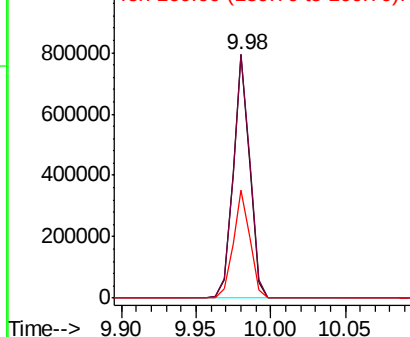
164 100

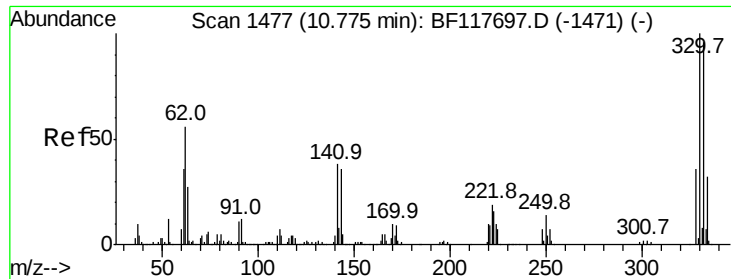
162 100.2 79.7 119.5

160 44.3 36.5 54.7



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





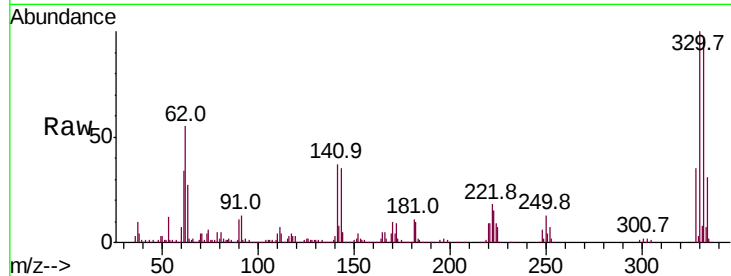
#42
 2,4,6-Tribromophenol
 Concen: 82.822 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117726.D
 Acq: 8 Nov 2019 00:55

Instrument :
 BNA_F
 ClientSampled :
 1-A

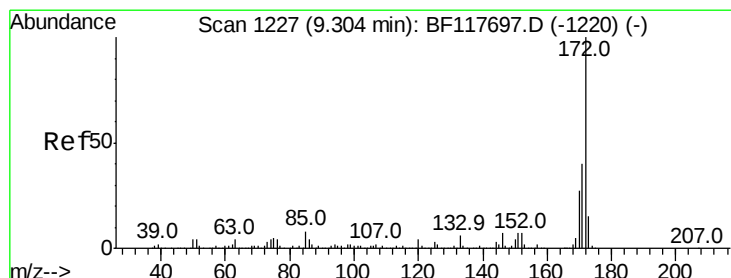
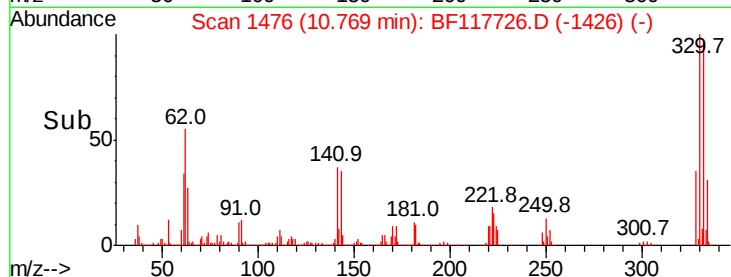
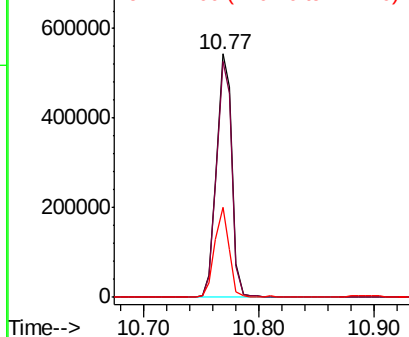
Tot Ion	Ratio	Resp	Lower	Upper
330	100	503016		
332	96.6	77.4	116.0	
141	33.9	28.0	42.0	

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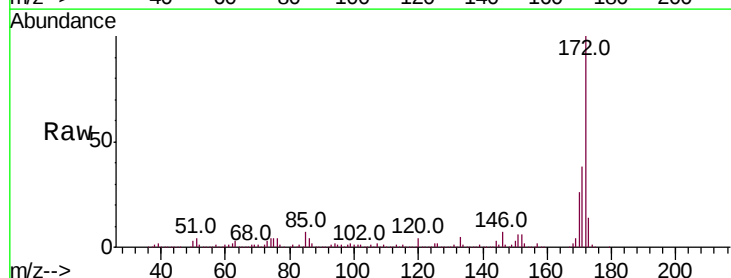


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

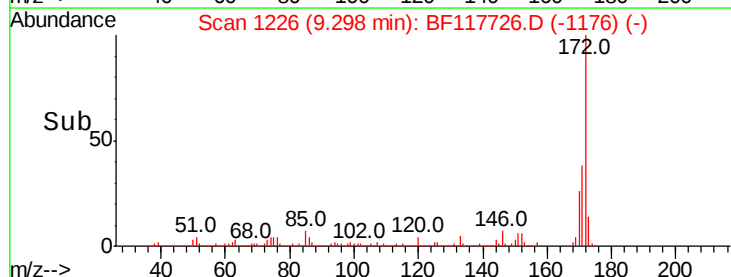
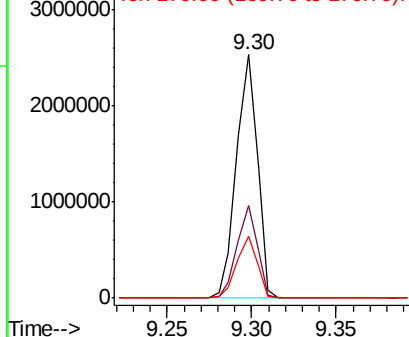


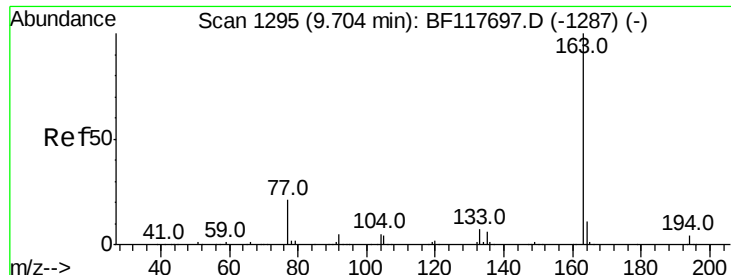
#45
 2-Fluorobiphenyl
 Concen: 69.487 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF117726.D
 Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2186606		
171	38.0	31.8	47.8	
170	25.7	21.6	32.4	



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





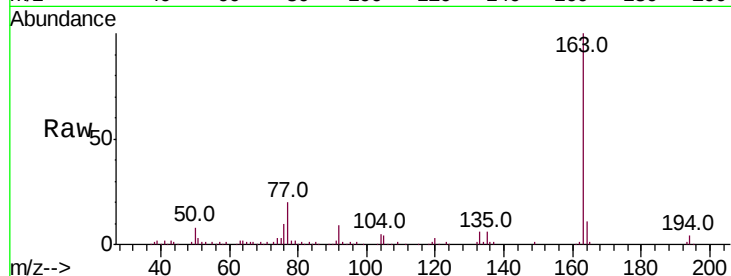
#50
Dimethylphthalate
Concen: 2.737 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Instrument :
BNA_F
ClientSampled :
1-A

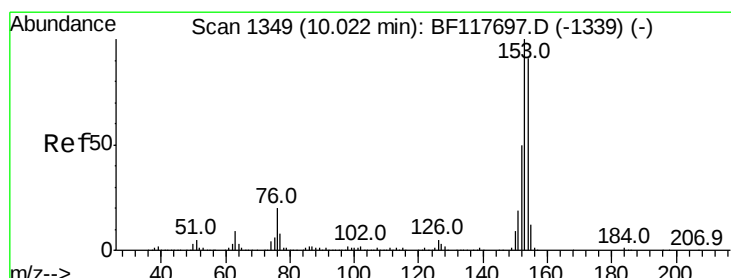
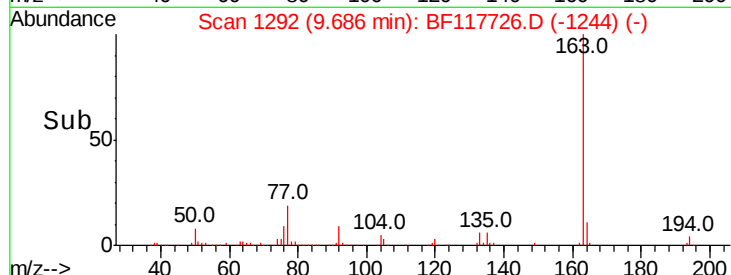
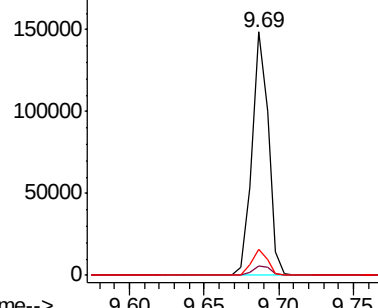
Tot Ion	Ratio	Resp	Lower	Upper
163	100	114867		
194	3.8		3.4	5.0
164	10.7		8.9	13.3

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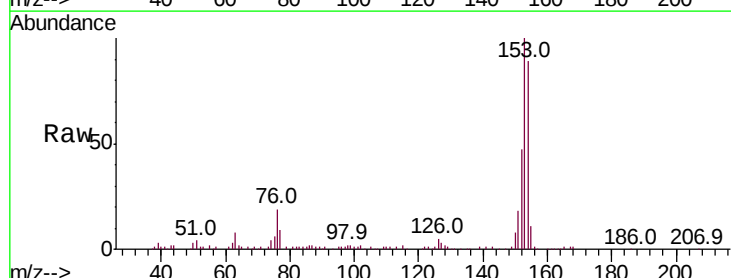


Abundance Ion 163.00 (162.70 to 163.70): E
200000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

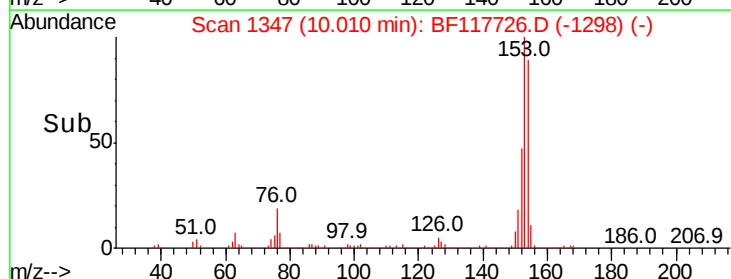
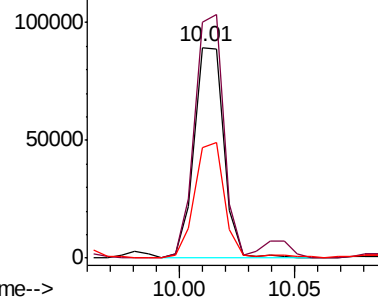


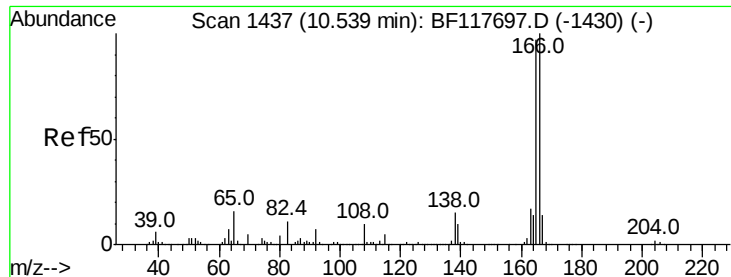
#52
Acenaphthene
Concen: 2.354 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	79835		
153	112.3		87.8	131.6
152	52.7		43.5	65.3



Abundance Ion 154.00 (153.70 to 154.70): E
100000
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





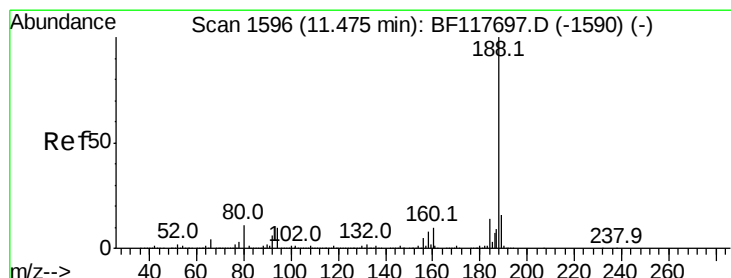
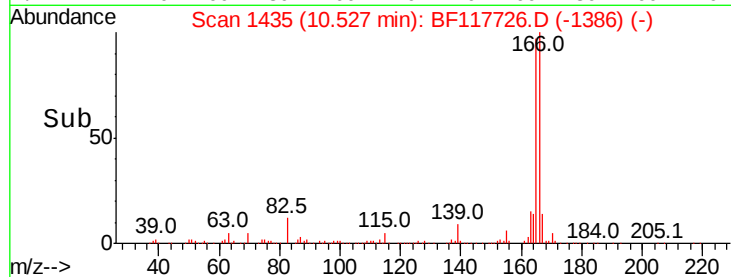
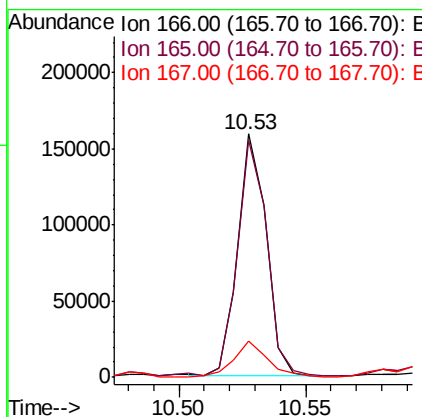
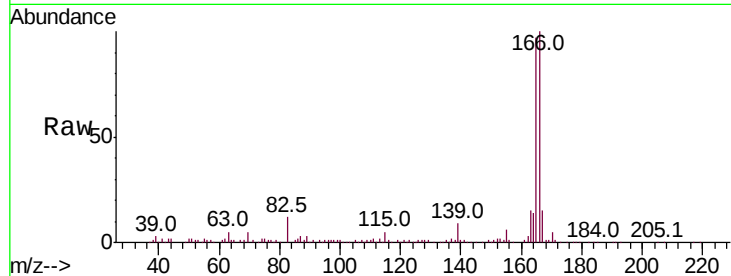
#58
 Fluorene
 Concen: 3.568 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF117726.D
 Acq: 8 Nov 2019 00:55

Instrument :
 BNA_F
 ClientSampleId :
 1-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.4	116.0
167	14.7	11.0	16.4

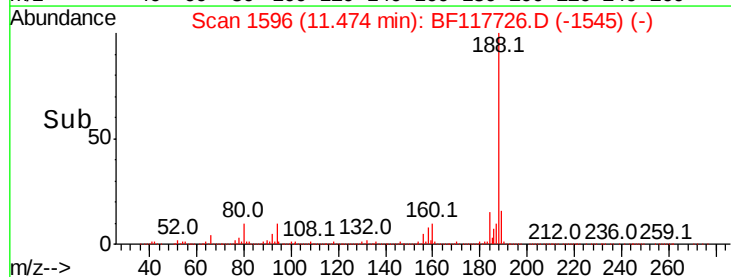
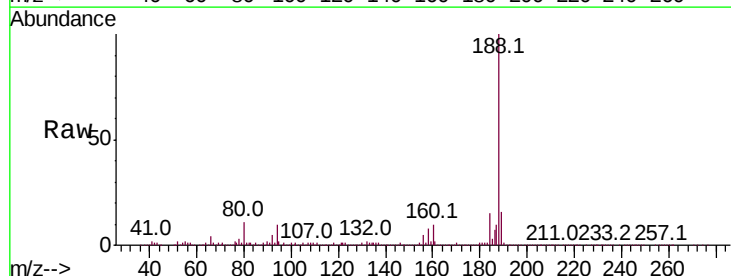
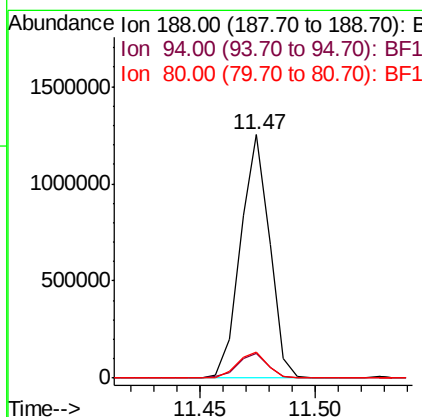
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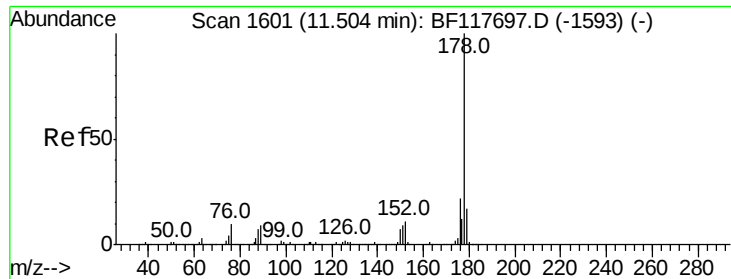
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF117726.D
 Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.4
80	10.5	8.6	13.0





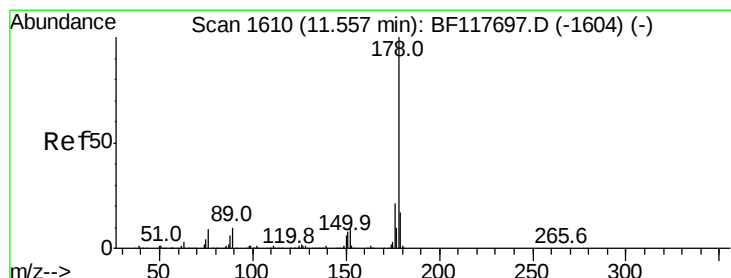
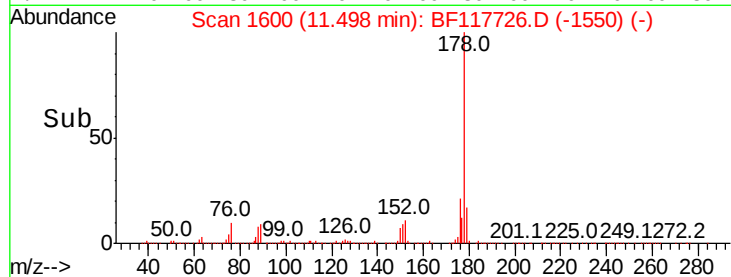
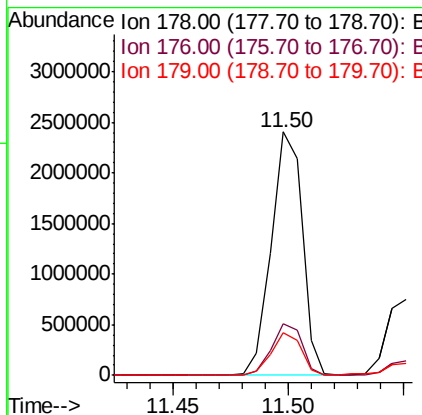
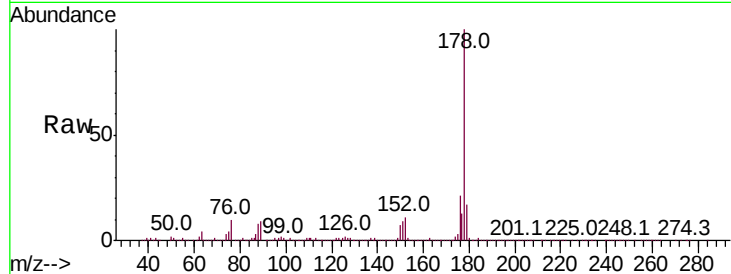
#71
Phenanthrene
Concen: 42.705 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Instrument :
BNA_F
ClientSampleId :
1-A

Tot Ion:178 Resp: 2238447
Ion Ratio Lower Upper
178 100
176 21.3 17.7 26.5
179 17.3 13.8 20.8

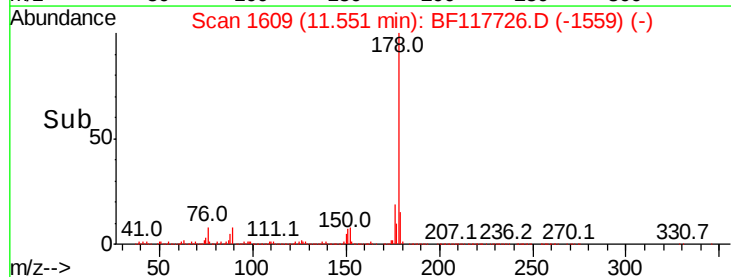
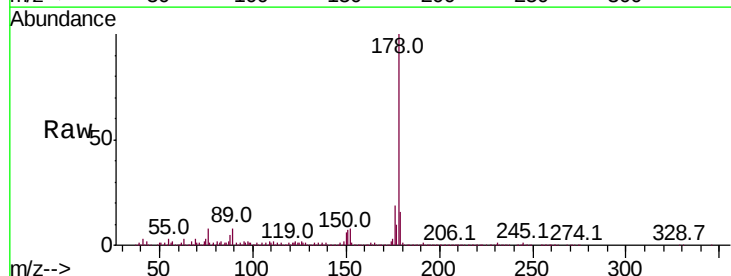
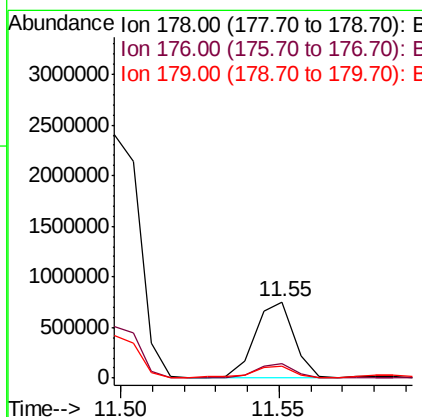
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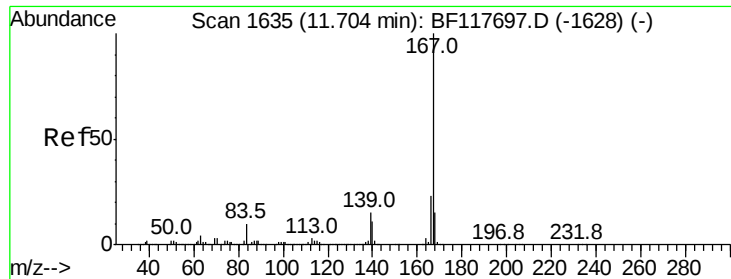
Sohil
11/8/2019 3:31:50 PM



#72
Anthracene
Concen: 12.280 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Tgt Ion:178 Resp: 640407
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 15.5 13.5 20.3





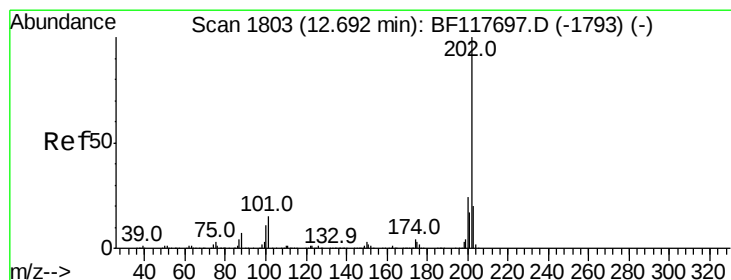
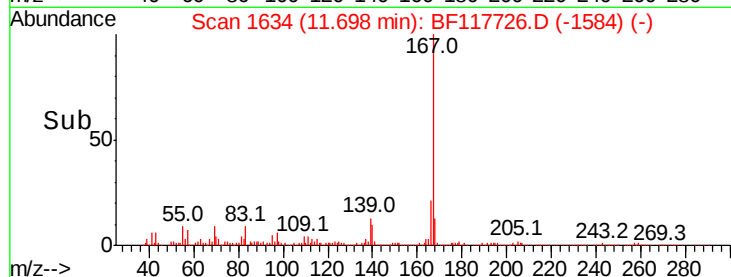
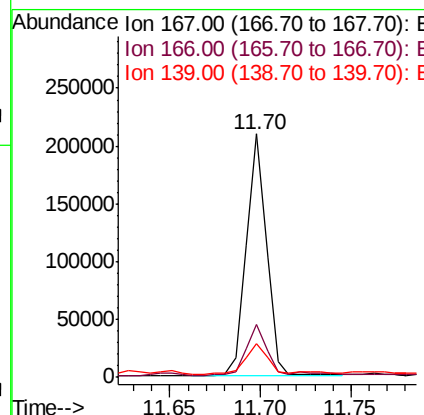
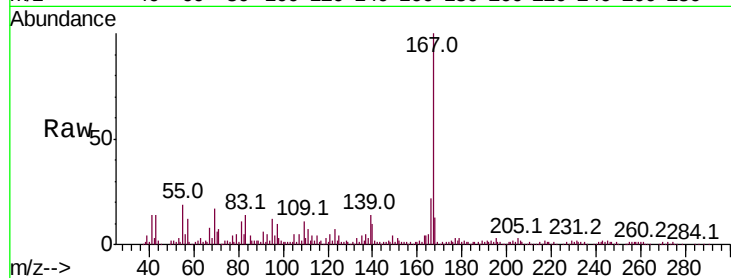
#73
 Carbazole
 Concen: 3.417 ng
 RT: 11.70 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF117726.D
 Acq: 8 Nov 2019 00:55

Instrument :
 BNA_F
 ClientSampled :
 1-A

Tot Ion	Ratio	Resp	Lower	Upper
167	100	162885		
166	21.7		18.6	27.8
139	13.8		11.9	17.9

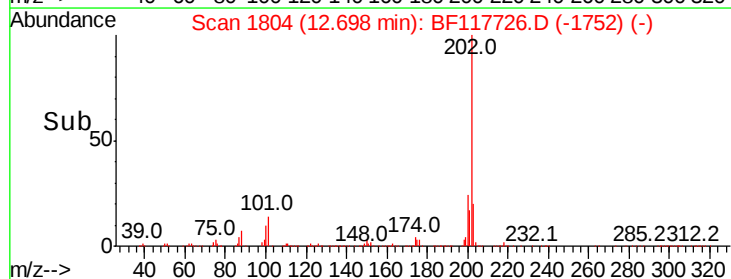
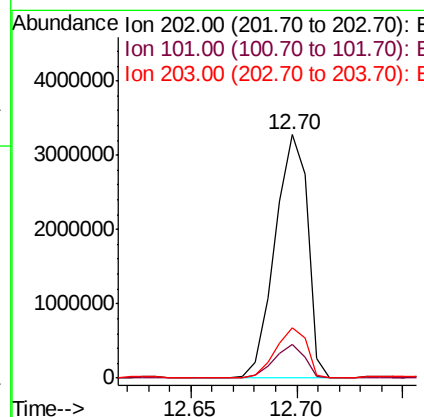
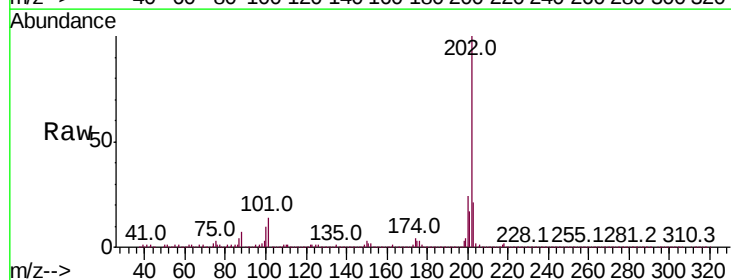
Manual Integrations
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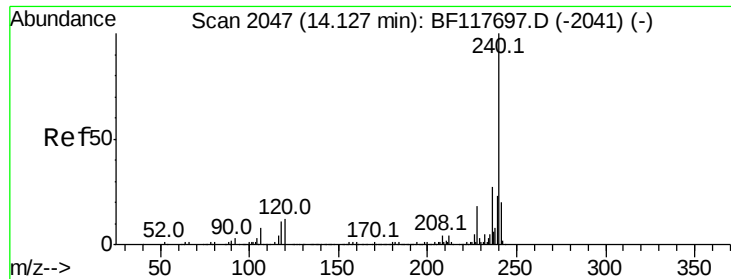
Sohil
 11/8/2019 3:31:50 PM



#75
 Fluoranthene
 Concen: 65.687 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BF117726.D
 Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3515716		
101	13.7		0.0	34.5
203	20.6		0.0	39.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Instrument :

BNA_F

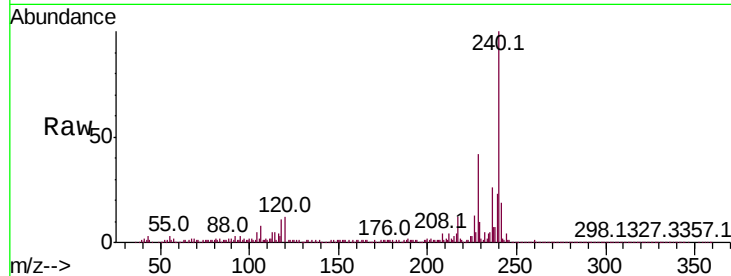
ClientSampled :

1-A

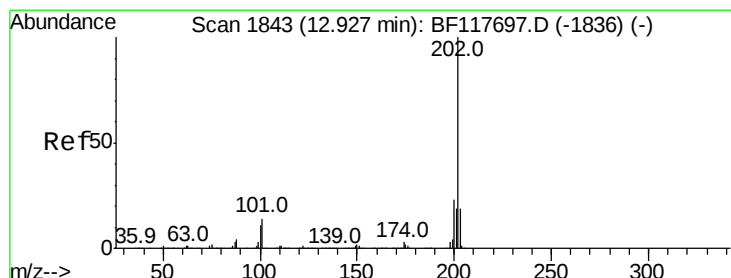
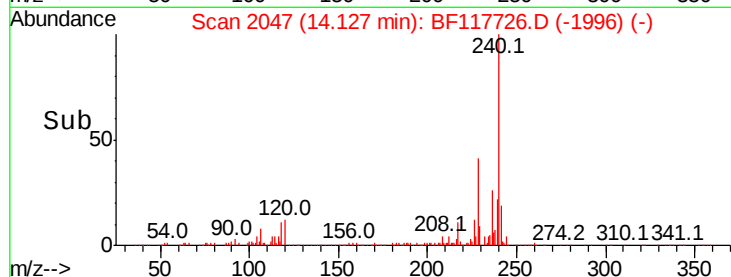
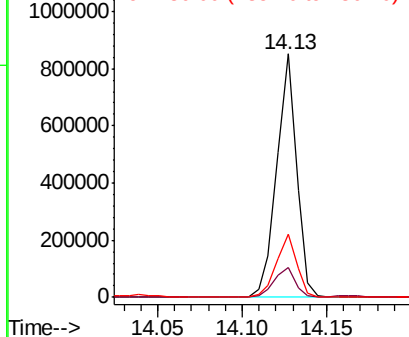
Tot Ion:	240	Resp:	693454
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.7	14.5
236	26.2	21.9	32.9

Manual Integrations
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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: 63.559 ng

RT: 12.93 min Scan# 1843

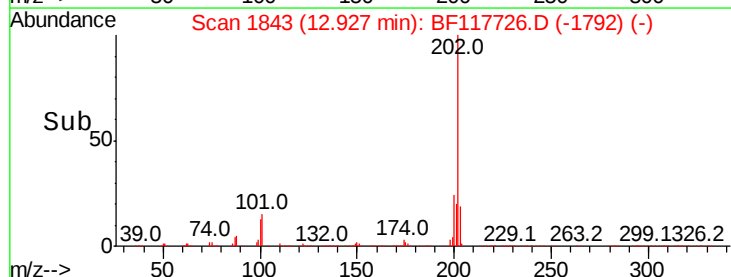
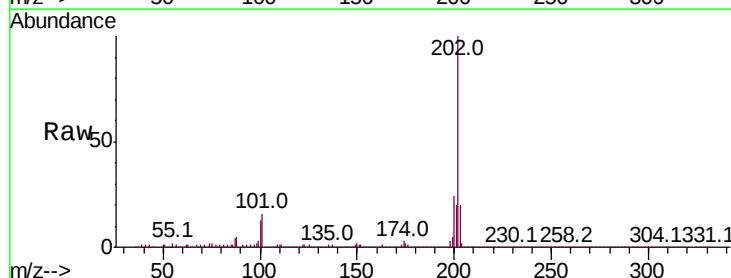
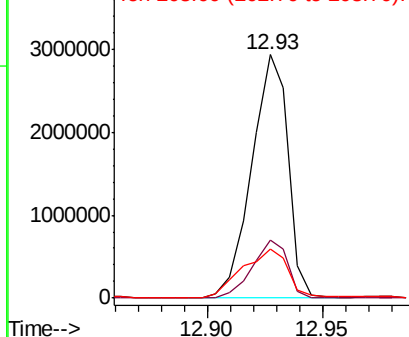
Delta R.T. -0.00 min

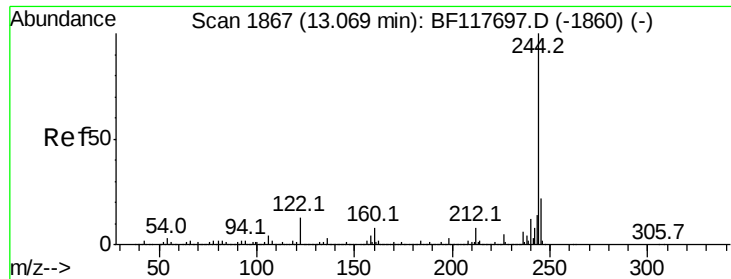
Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Tgt Ion:	202	Resp:	3217471
Ion Ratio	Lower	Upper	
202	100		
200	23.8	18.8	28.2
203	20.1	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: 64.378 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Instrument :

BNA_F

ClientSampled :

1-A

Tot Ion:244 Resp: 2168629

Ion Ratio Lower Upper

244 100

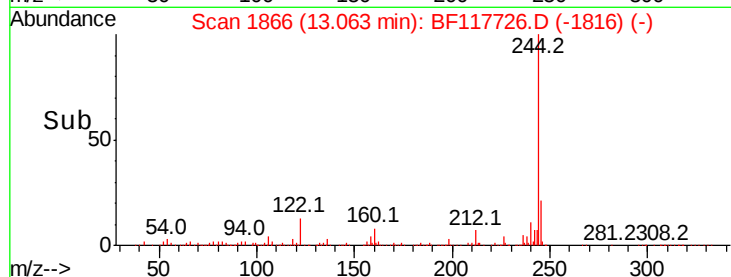
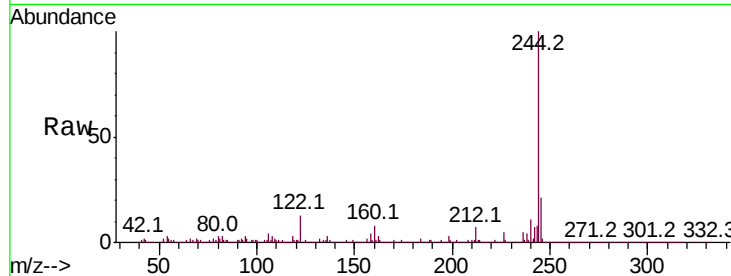
212 7.3 6.4 9.6

122 13.2 10.0 15.0

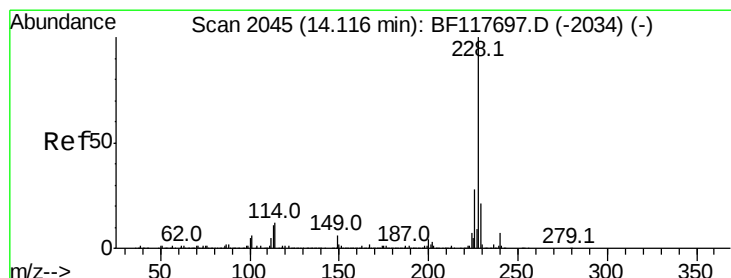
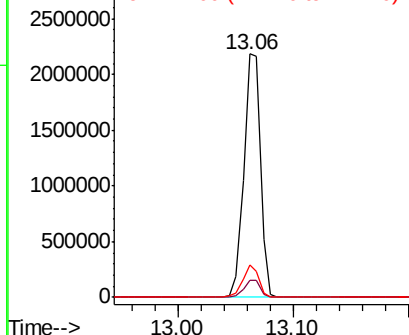
Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 45.121 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

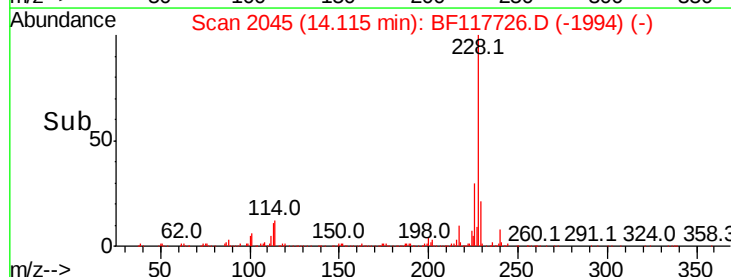
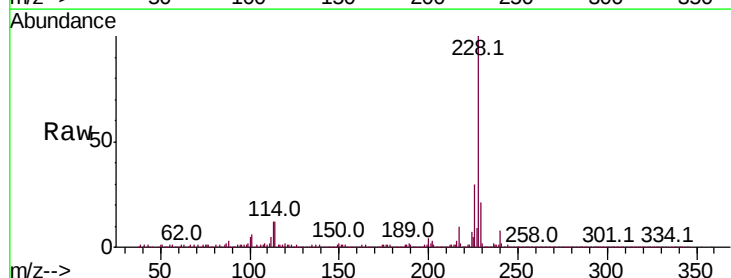
Tgt Ion:228 Resp: 1947631

Ion Ratio Lower Upper

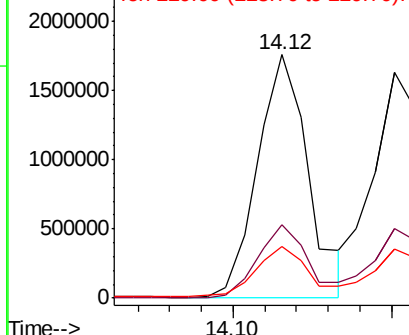
228 100

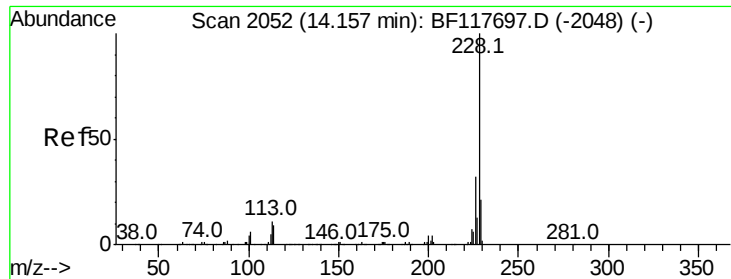
226 30.1 22.8 34.2

229 21.2 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





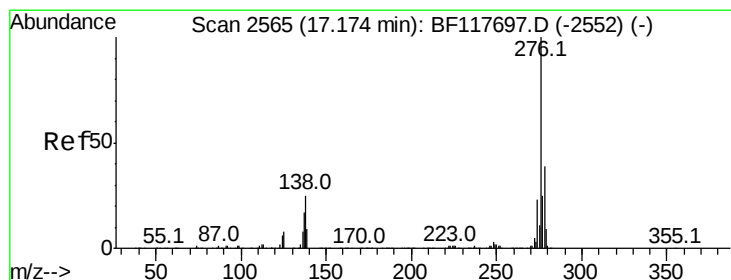
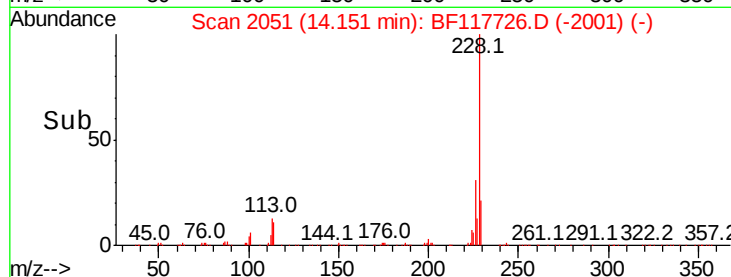
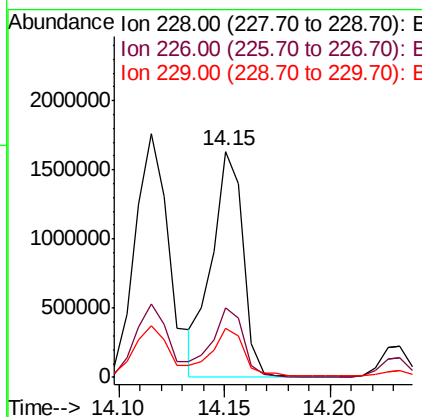
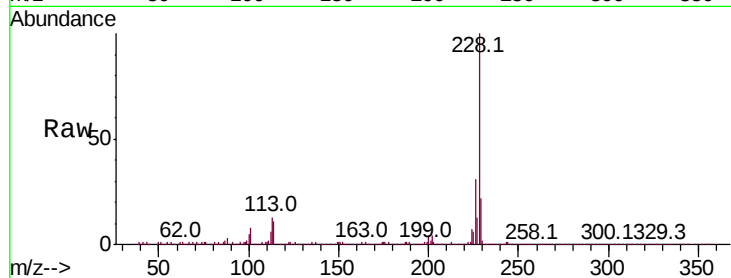
#83
Chrysene
Concen: 39.016 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Instrument :
BNA_F
ClientSampleId :
1-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	21.9	16.6	24.8

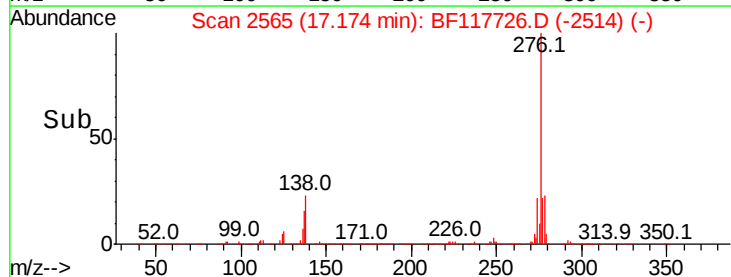
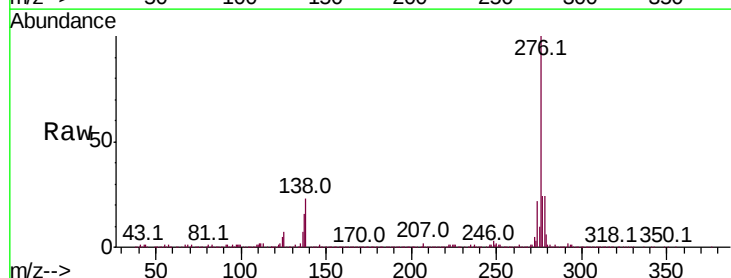
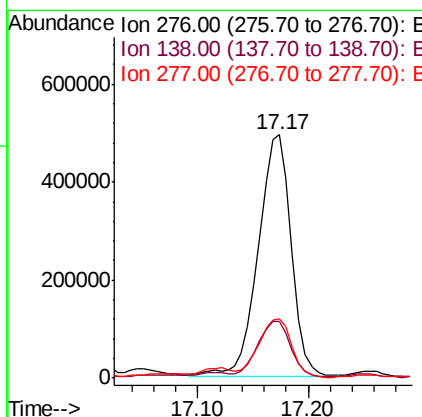
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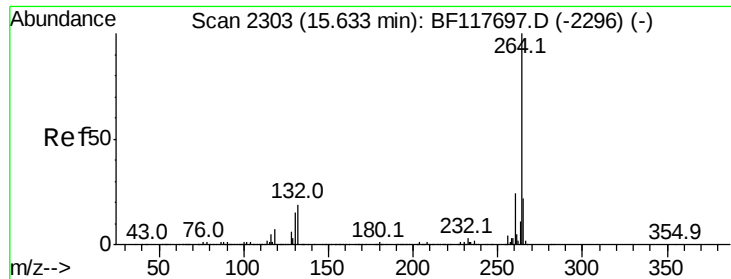
Sohil
11/8/2019 3:31:50 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 26.005 ng
RT: 17.17 min Scan# 2565
Delta R.T. -0.00 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.4	33.6
277	24.1	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

Instrument :

BNA_F

ClientSampleId :

1-A

Tot Ion:264 Resp: 895043

Ion Ratio Lower Upper

264 100

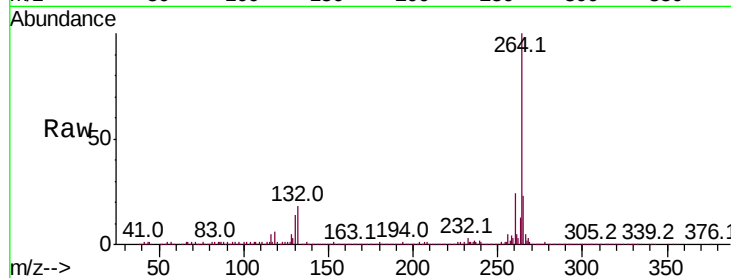
260 24.1 18.8 28.2

265 23.3 17.7 26.5

Manual Integrations
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Sohil

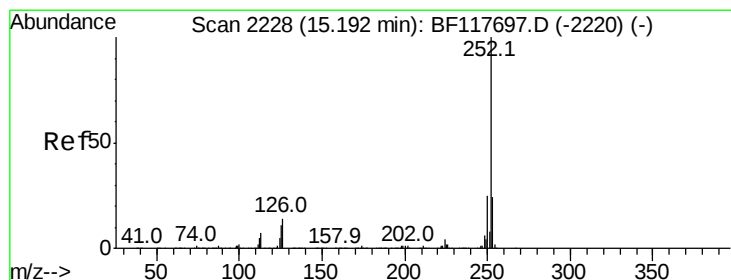
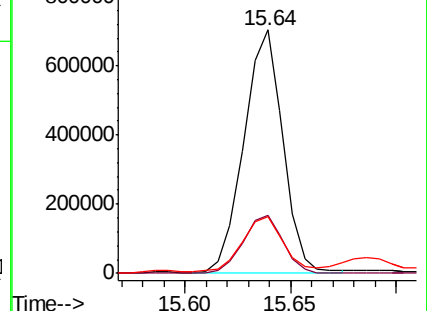
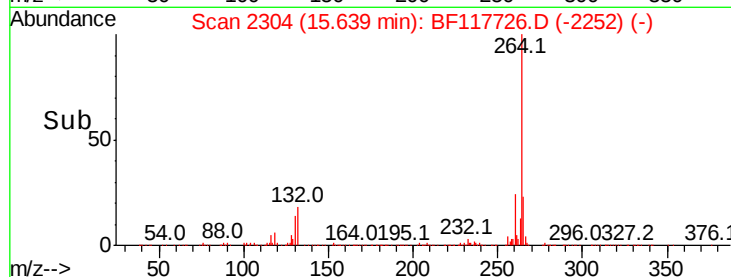
11/8/2019 3:31:50 PM



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: 41.666 ng m

RT: 15.19 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BF117726.D

Acq: 8 Nov 2019 00:55

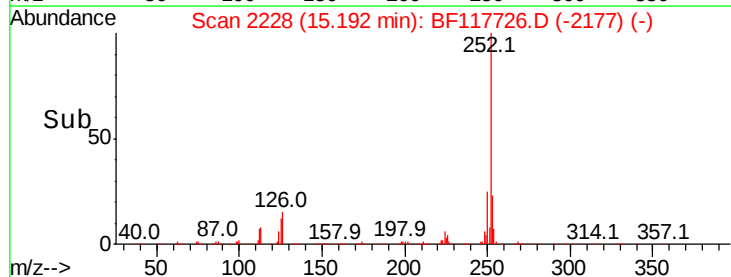
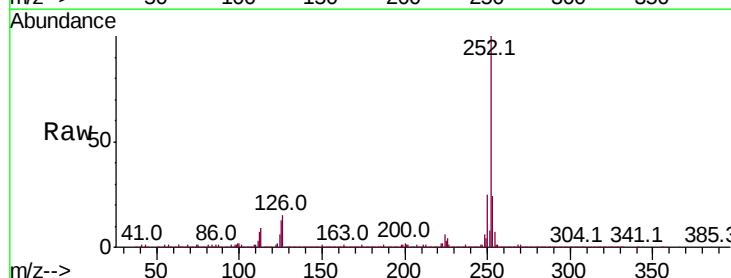
Tgt Ion:252 Resp: 2348741

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

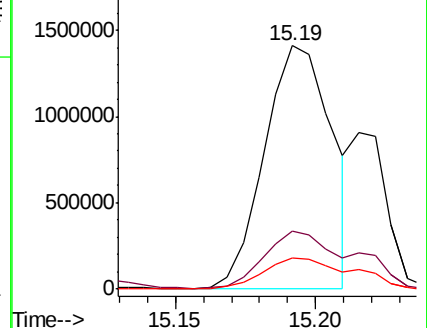
125 12.7 8.5 12.7

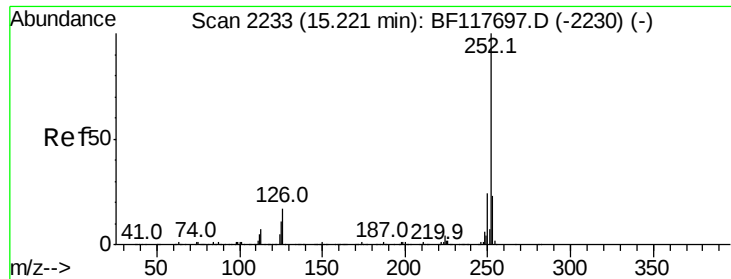


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





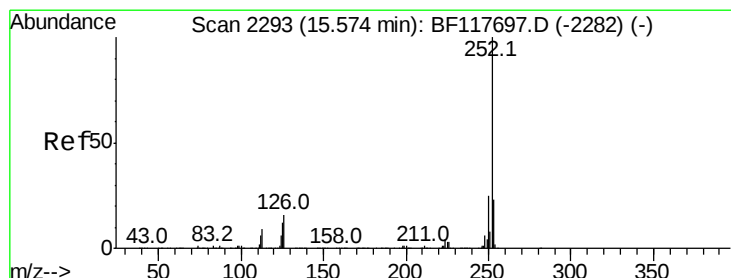
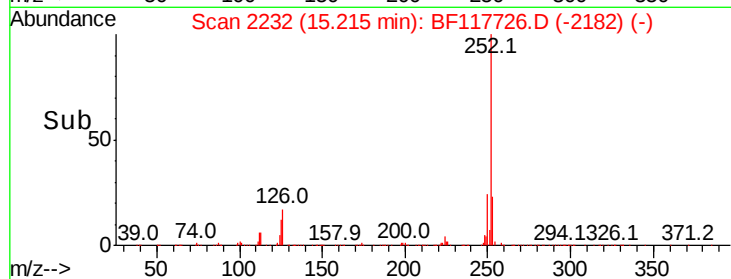
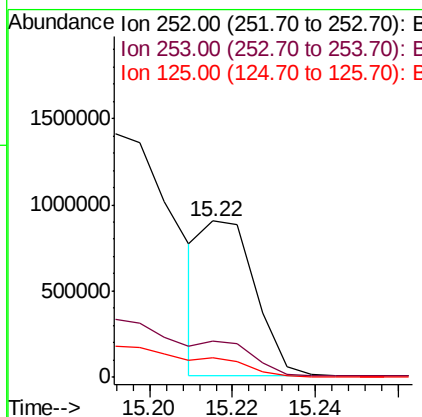
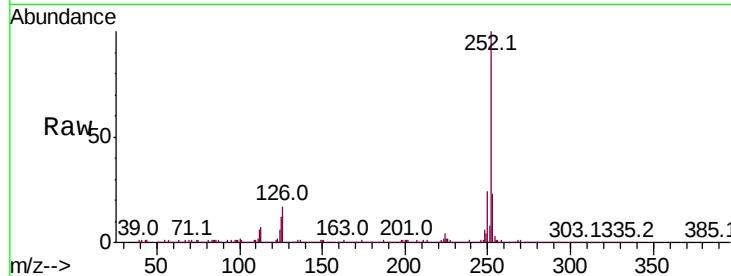
#89
Benzo(k)fluoranthene
Concen: 15.472 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Instrument :
BNA_F
ClientSampleId :
1-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.4	9.1	13.7

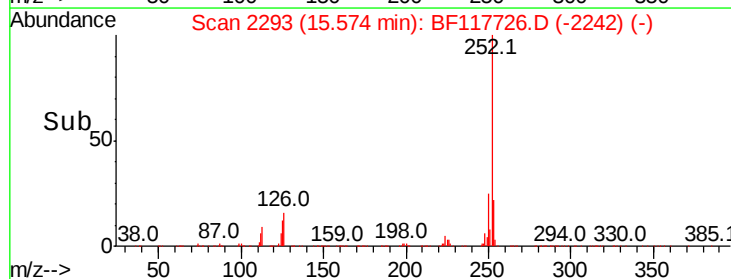
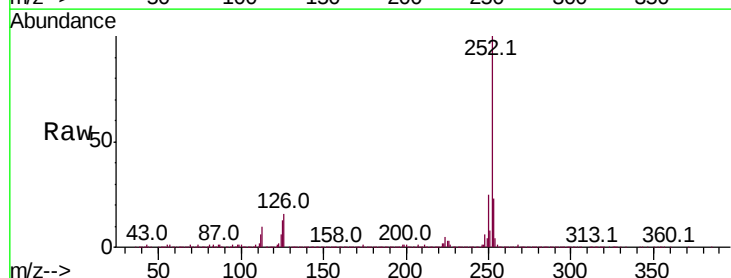
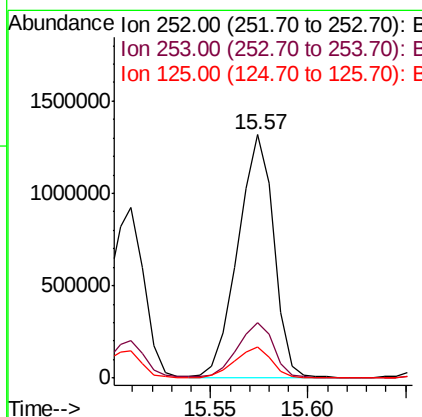
Manual Integrations
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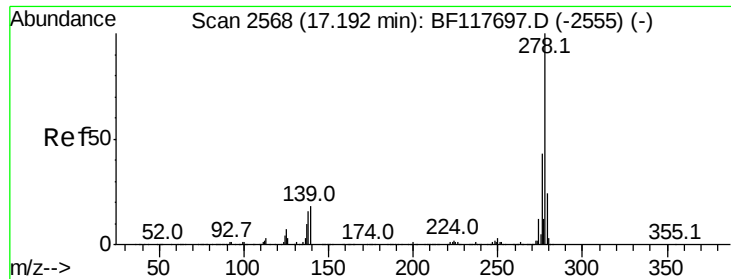
Sohil
11/8/2019 3:31:50 PM



#90
Benzo(a)pyrene
Concen: 34.233 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.7	9.5	14.3





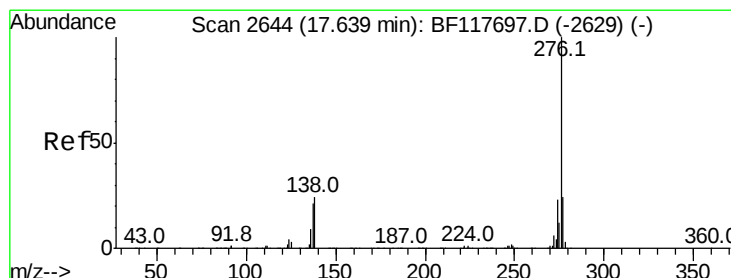
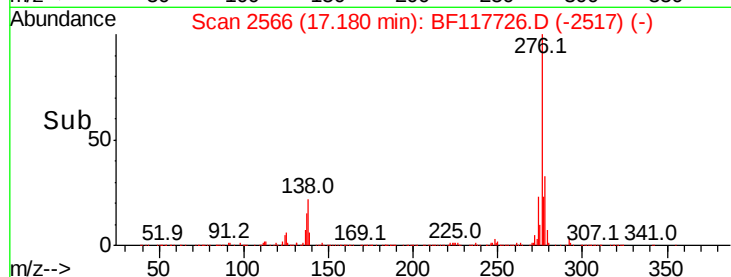
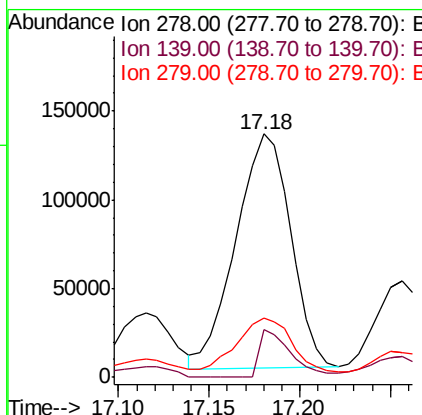
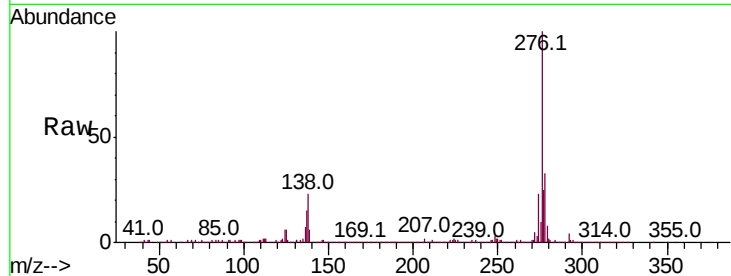
#91
Dibenzo(a,h)anthracene
Concen: 6.333 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Instrument :
BNA_F
ClientSampled :
1-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.3	21.5
279	24.5	19.0	28.6

Manual Integrations
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Sohil
11/8/2019 3:31:50 PM



#92
Benzo(g,h,i)perylene
Concen: 20.542 ng
RT: 17.64 min Scan# 2644
Delta R.T. -0.00 min
Lab File: BF117726.D
Acq: 8 Nov 2019 00:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	24.2	19.2	28.8

