

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113709.D
 Acq On : 10 Apr 2019 21:21
 Operator : JU/SJ
 Sample : K2203-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-A

Manual Integrations
 APPROVED

Sohil
 4/11/2019 2:39:55 PM

Quant Time: Apr 11 07:52:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	120108	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	422159	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	167959	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	328514	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	308856	20.00	ng	-0.02
87) Perylene-d12	15.24	264	213251	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	378791	53.78	ng	0.00
7) Phenol-d6	6.33	99	491394	56.60	ng	0.00
23) Nitrobenzene-d5	7.25	82	268220	37.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	104502	51.80	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	480232	46.03	ng	-0.02
79) Terphenyl-d14	12.77	244	515242	33.97	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.57	152	130942	7.674	ng	99
50) Dimethylphthalate	9.43	163	43414	3.507	ng	99
58) Fluorene	10.26	166	24745	2.183	ng	99
71) Phenanthrene	11.22	178	266428	16.321	ng	98
72) Anthracene	11.27	178	128675	7.748	ng	98
75) Fluoranthene	12.40	202	915169	52.318	ng	100
78) Pyrene	12.63	202	975088	41.492	ng	99
81) Benzo(a)anthracene	13.82	228	599380	33.642	ng	95
83) Chrysene	13.86	228	555166	30.739	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	272332	16.331	ng	96
88) Benzo(b)fluoranthene	14.84	252	603581m	46.239	ng	
89) Benzo(k)fluoranthene	14.87	252	232673m	19.861	ng	
90) Benzo(a)pyrene	15.19	252	432216	37.262	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	72485	6.682	ng	# 85
92) Benzo(a,h,i)perylene	17.02	276	268697	24.269	ng	96

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

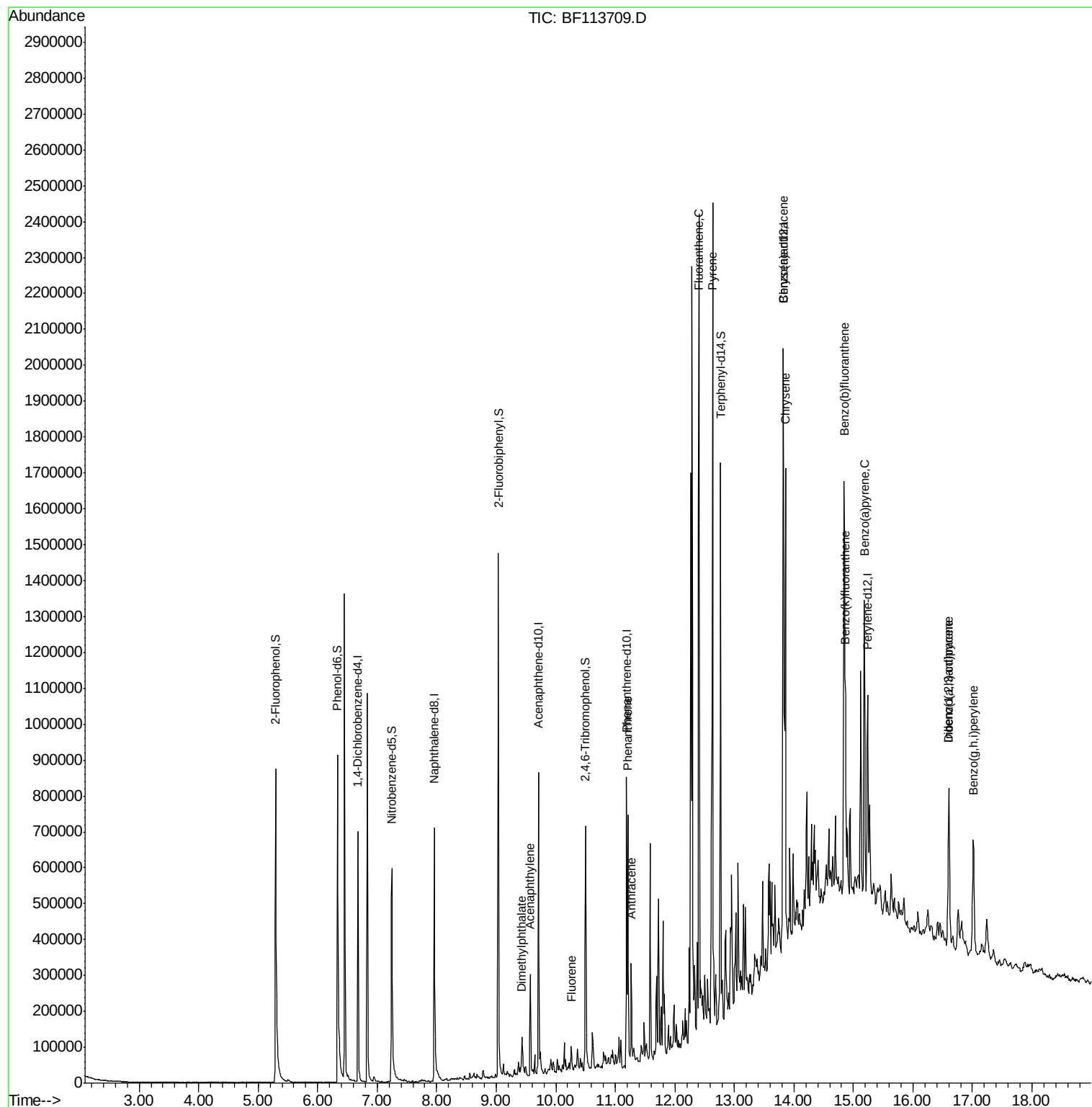
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
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ALS Vial : 15 Sample Multiplier: 1

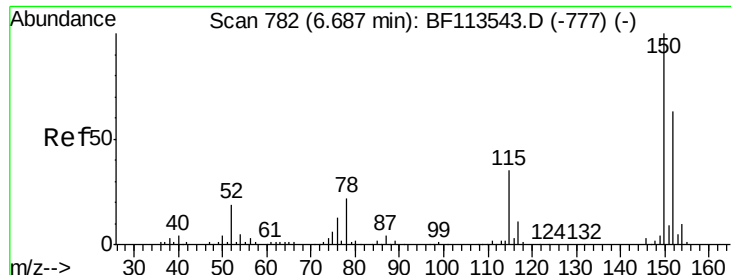
Instrument :
BNA_F
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SU-04-040919-A

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Quant Time: Apr 11 07:52:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
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#1

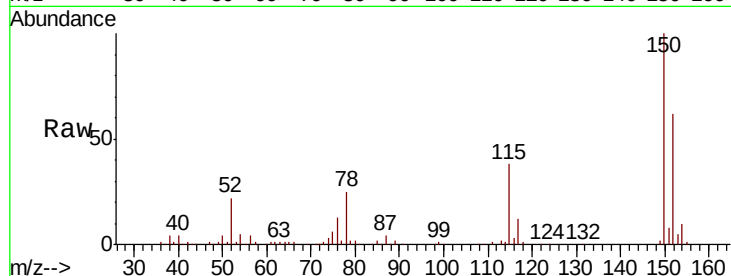
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.7	187.1
115	60.6	46.0	69.0

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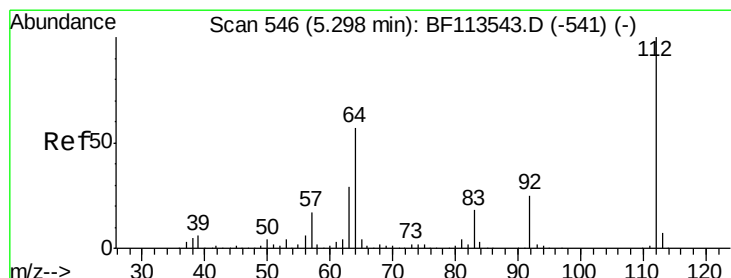
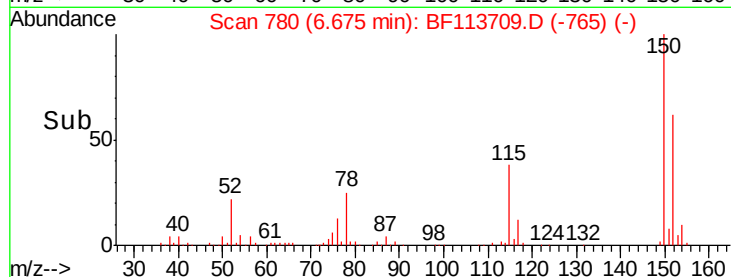
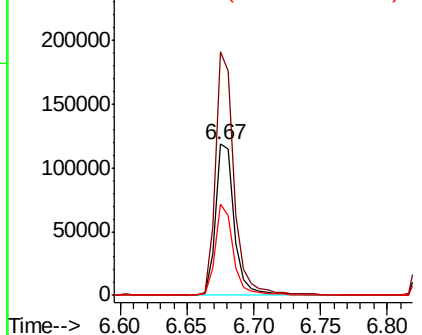


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

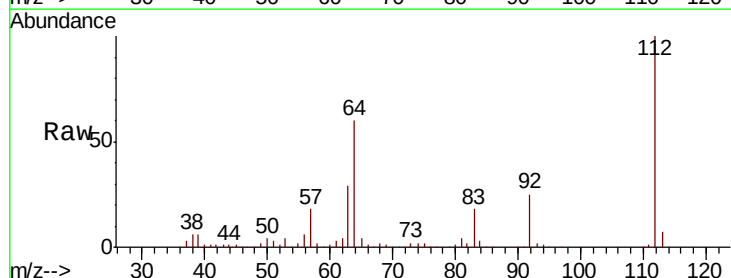
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.779 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	49.2	73.8
63	29.4	24.9	37.3

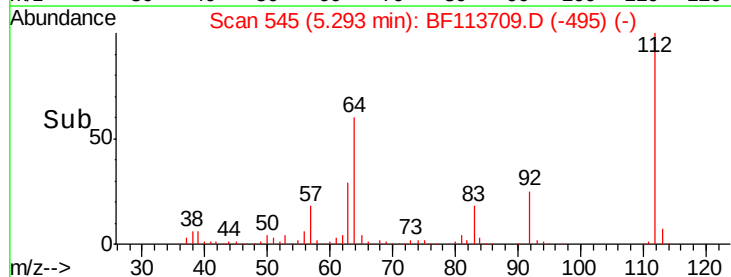
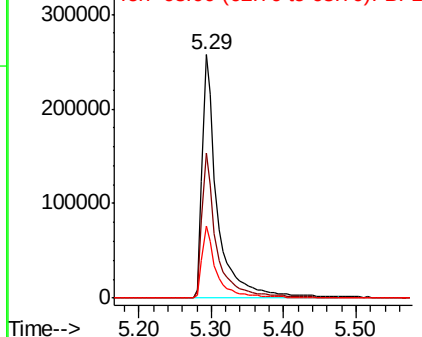


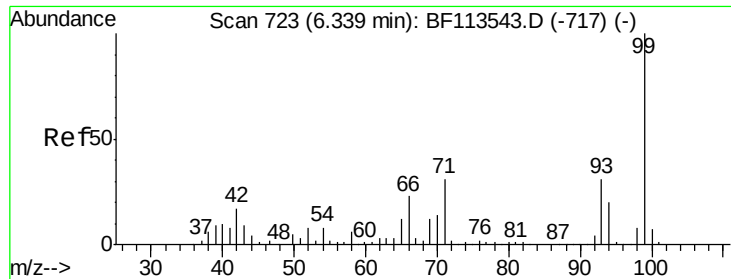
Abundance

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: 56.605 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

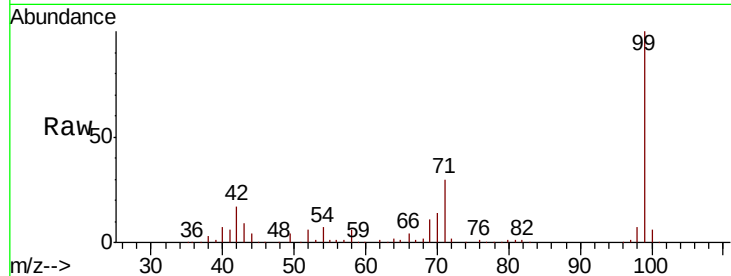
ClientSampleId :

SU-04-040919-A

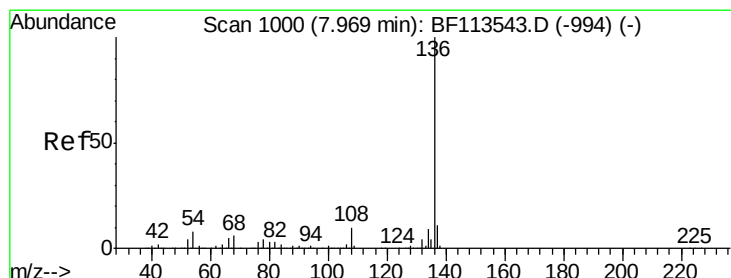
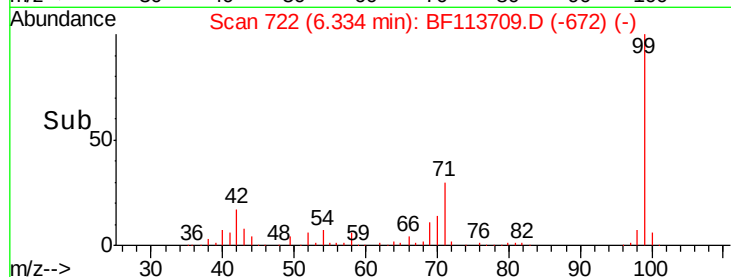
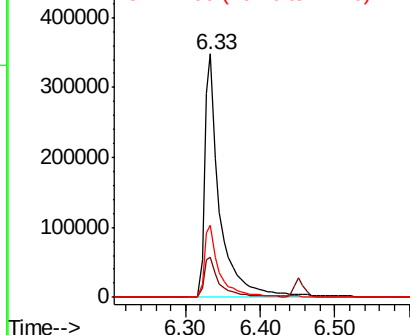
Tot Ion:	99	Resp:	491394
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.8	22.2
71	29.6	24.9	37.3

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

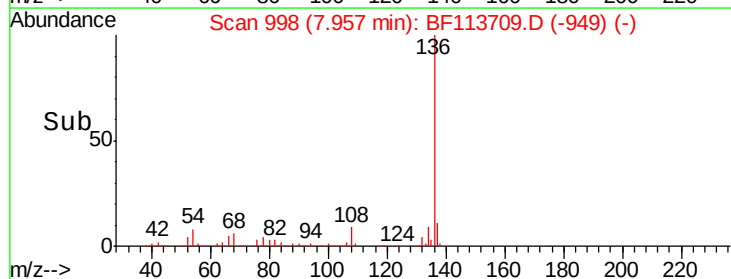
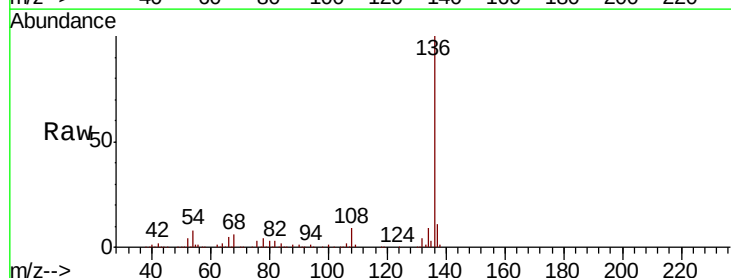
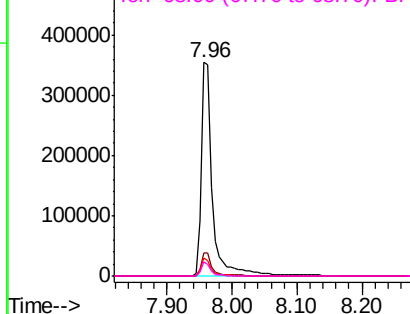
Delta R.T. -0.01 min

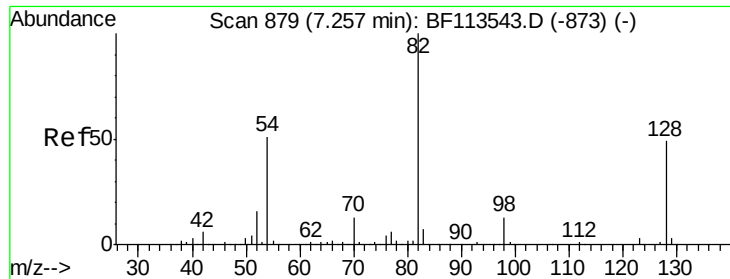
Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Tgt Ion:	136	Resp:	422159
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.4	7.0	10.6
68	6.4	4.8	7.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





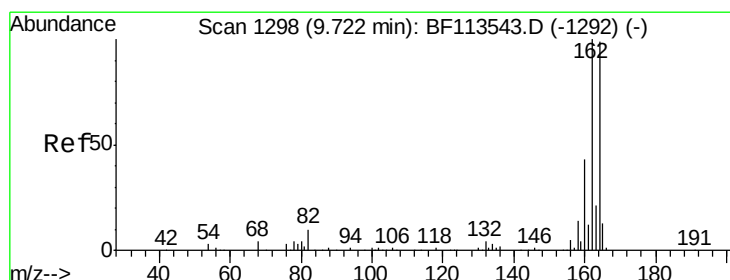
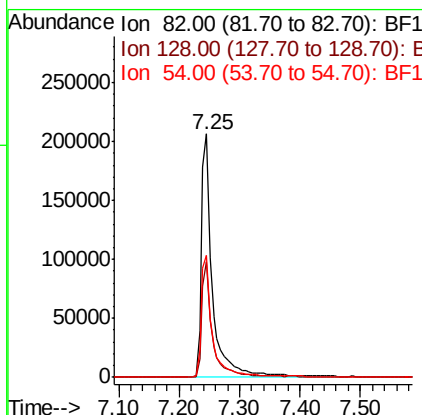
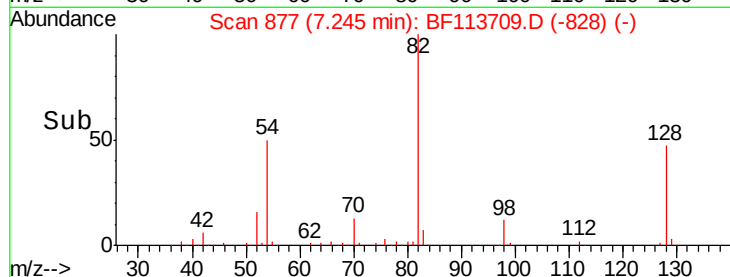
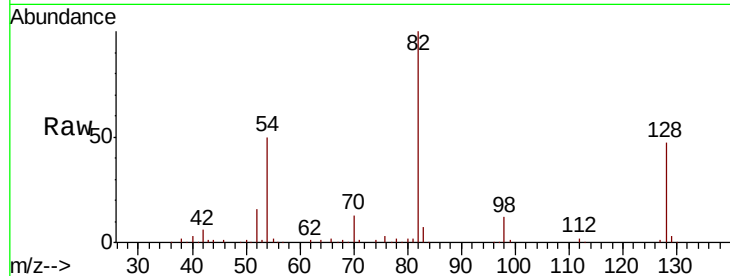
#23
Nitrobenzene-d5
Concen: 37.216 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampled :
SU-04-040919-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.5	54.7
54	50.3	42.2	63.2

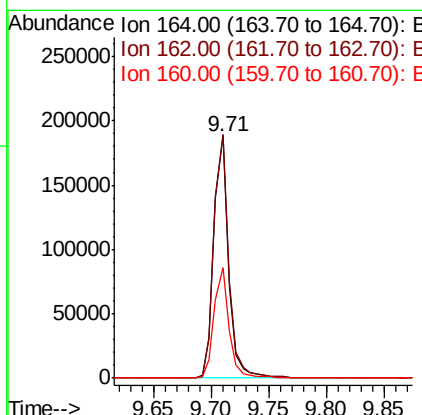
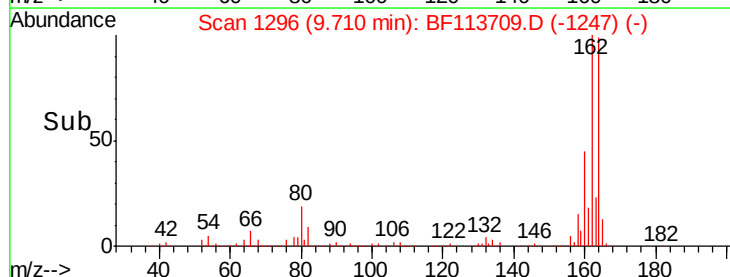
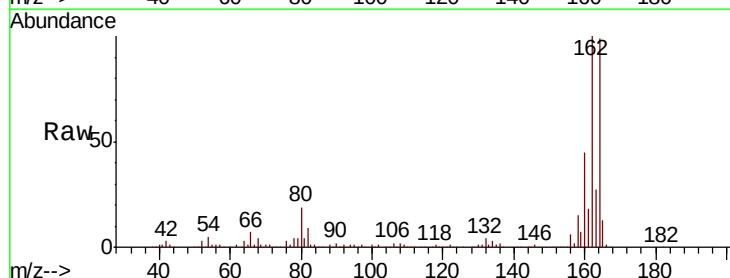
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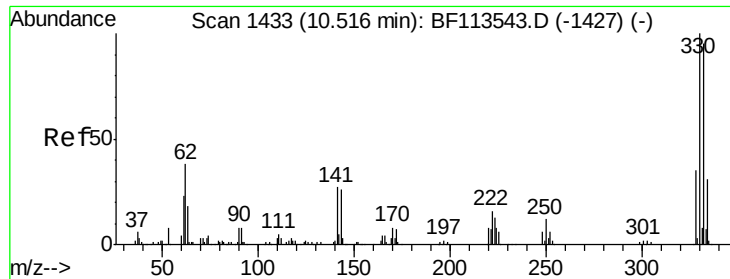
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.6
160	45.7	36.4	54.6





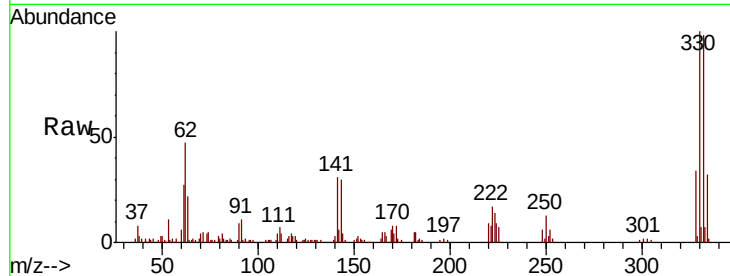
#42
 2,4,6-Tribromophenol
 Concen: 51.795 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.8	116.6	
141	28.3	22.7	34.1	

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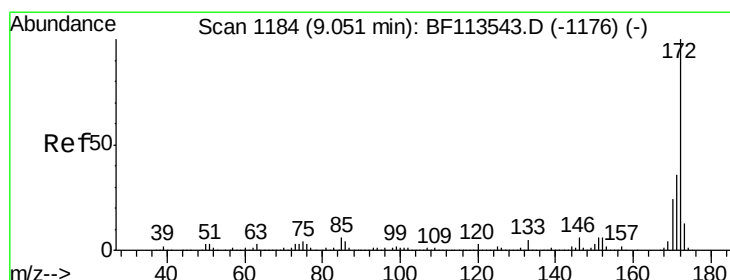
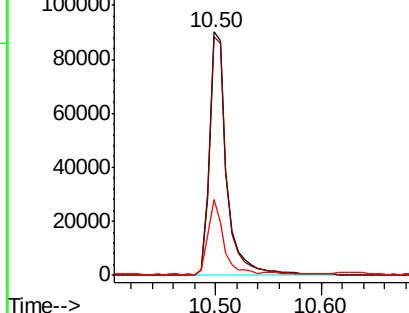
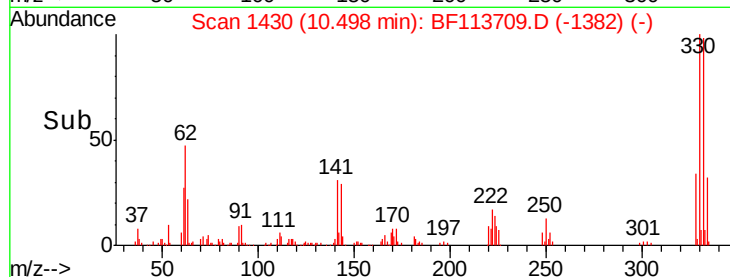


Abundance

Ion 329.80 (329.50 to 330.50): E

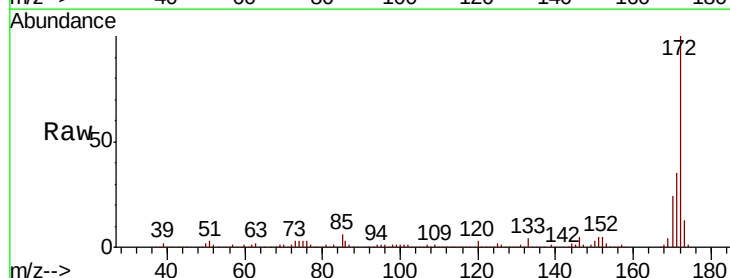
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 46.030 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	29.0	43.6	
170	23.6	19.5	29.3	

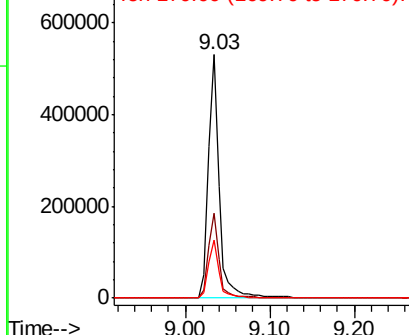
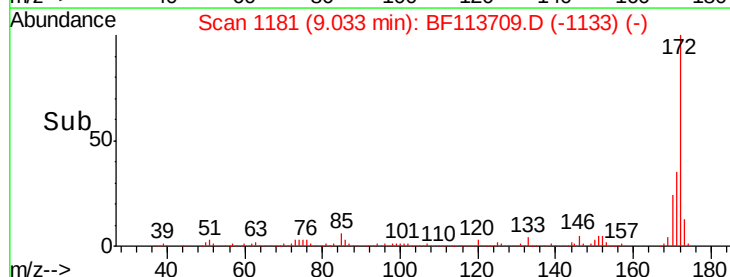


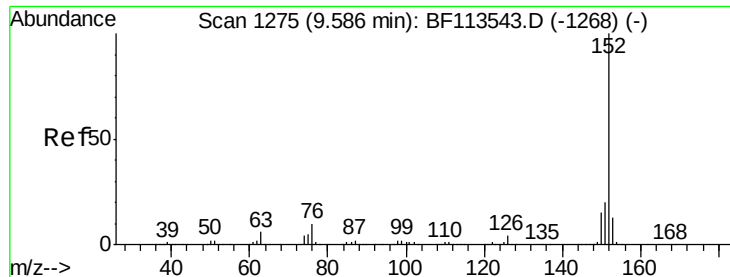
Abundance

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





#49

Acenaphthylene

Concen: 7.674 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

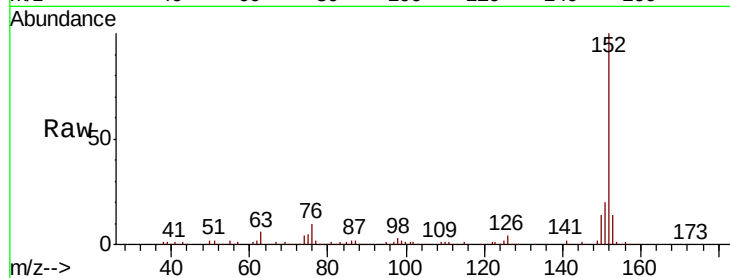
ClientSampleId :

SU-04-040919-A

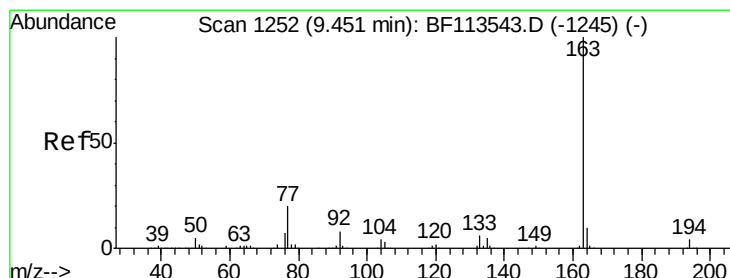
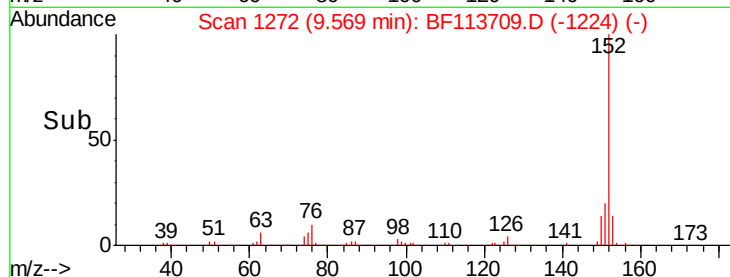
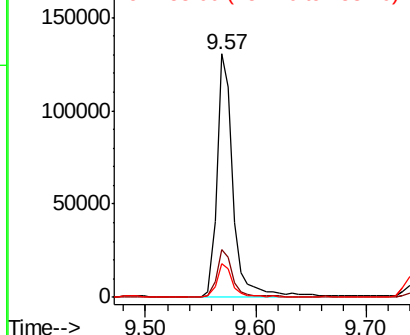
Tot Ion:	152	Resp:	130942
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.2	24.4
153	13.7	11.0	16.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.507 ng

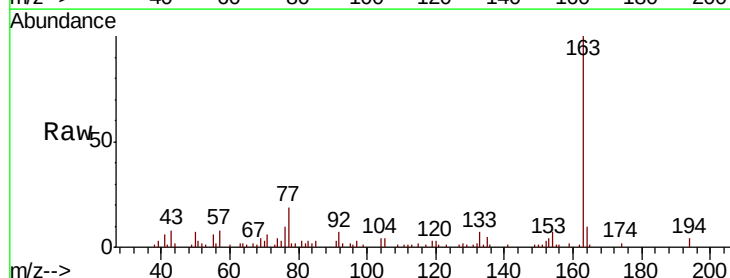
RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

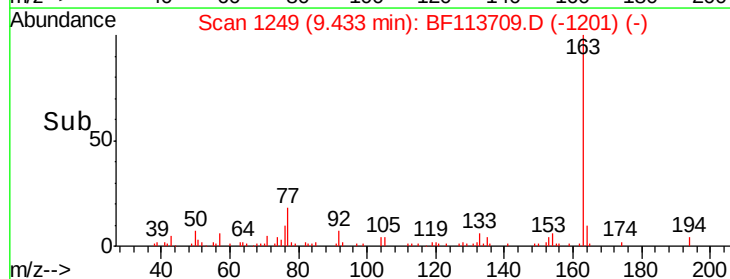
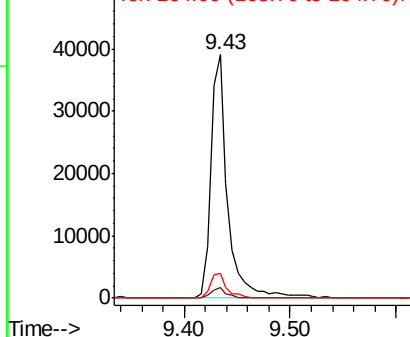
Lab File: BF113709.D

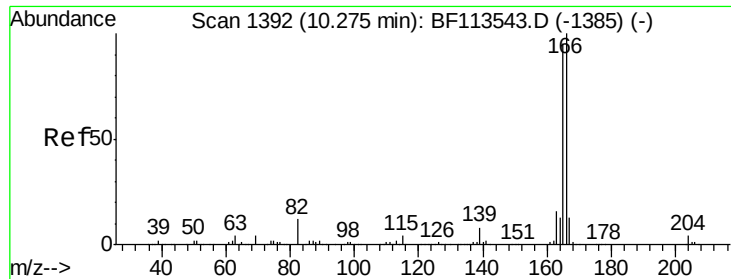
Acq: 10 Apr 2019 21:21

Tgt Ion:	163	Resp:	43414
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.0	4.6
164	10.0	8.1	12.1



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





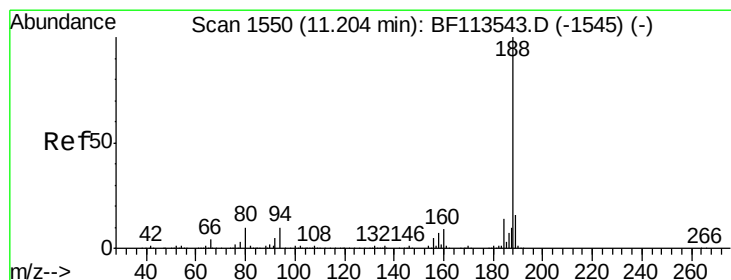
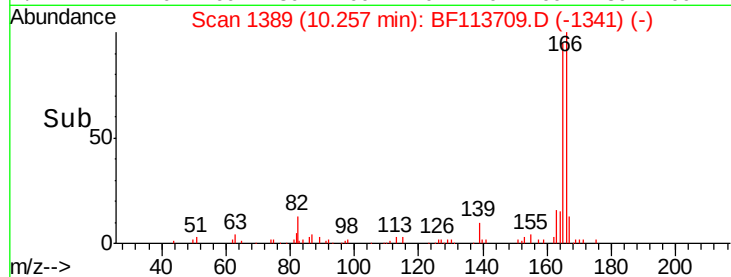
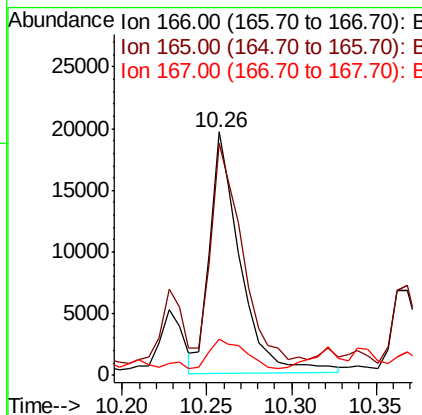
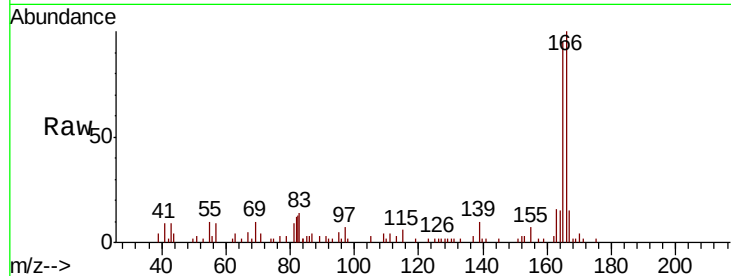
#58
 Fluorene
 Concen: 2.183 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.3	76.2	114.2
167	15.1	10.7	16.1

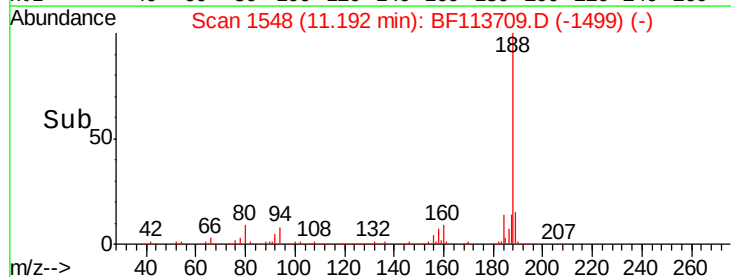
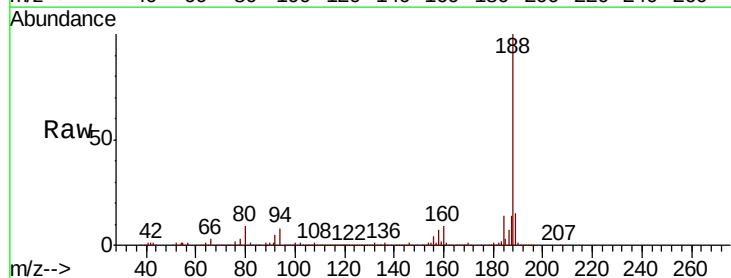
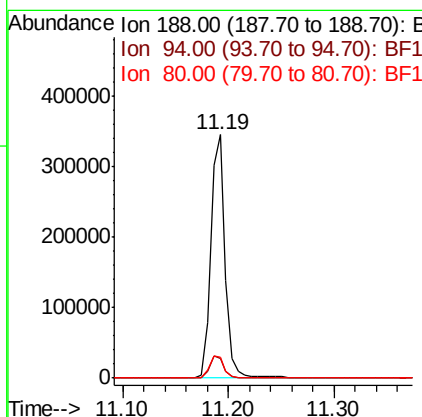
Manual Integrations
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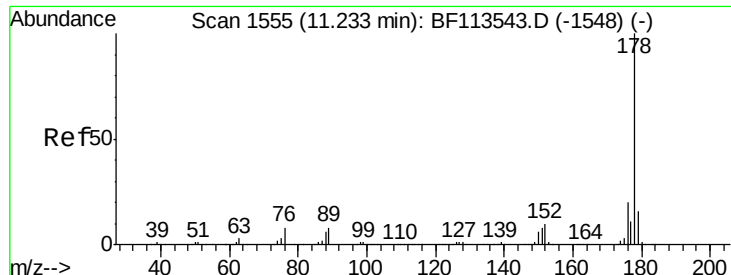
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.6
80	8.8	7.7	11.5





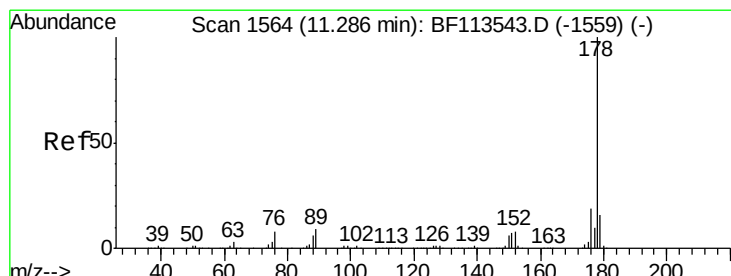
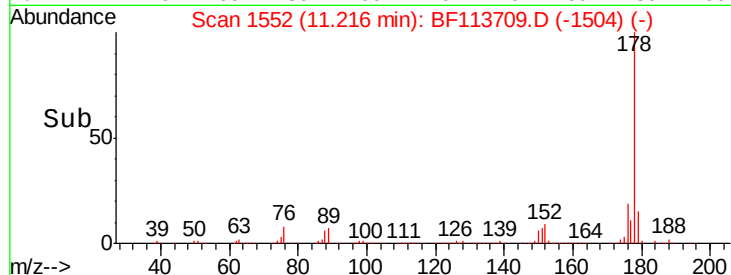
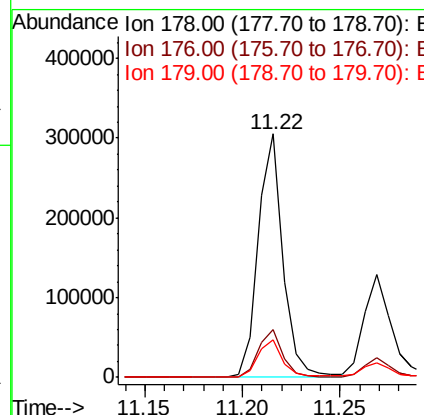
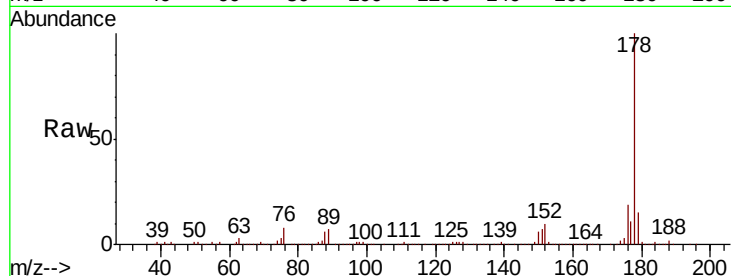
#71
Phenanthrene
Concen: 16.321 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.2	12.7	19.1

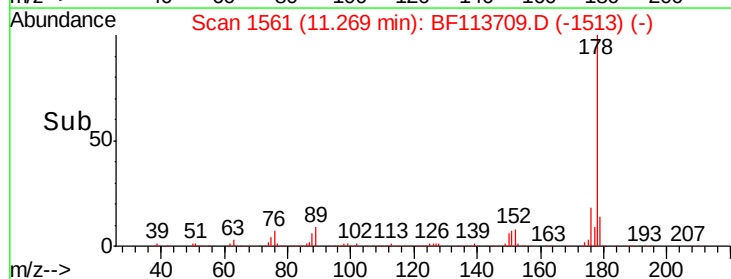
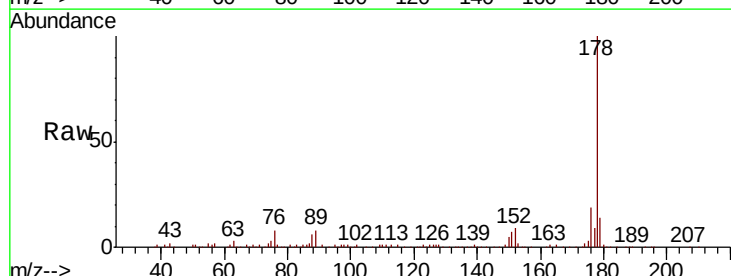
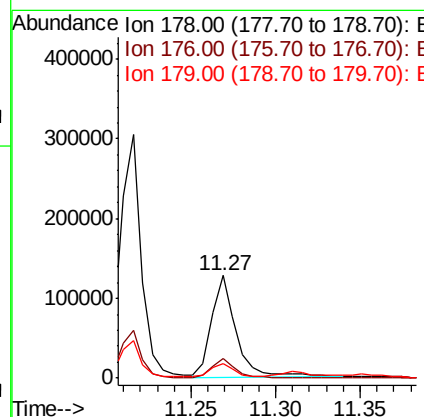
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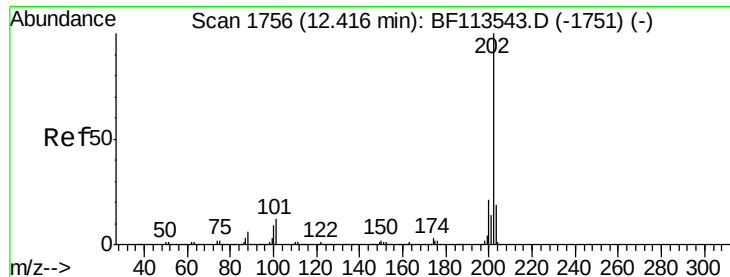
Sohil
4/11/2019 2:39:55 PM



#72
Anthracene
Concen: 7.748 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.4	12.8	19.2





#75

Fluoranthene

Concen: 52.318 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

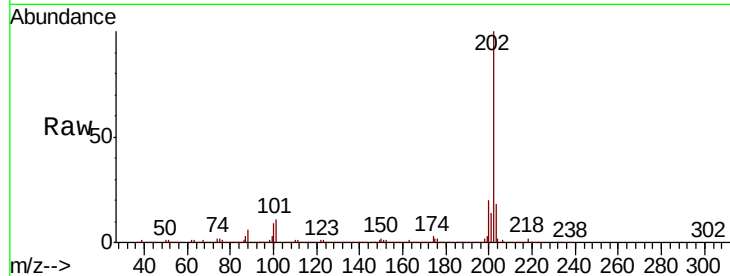
ClientSampled :

SU-04-040919-A

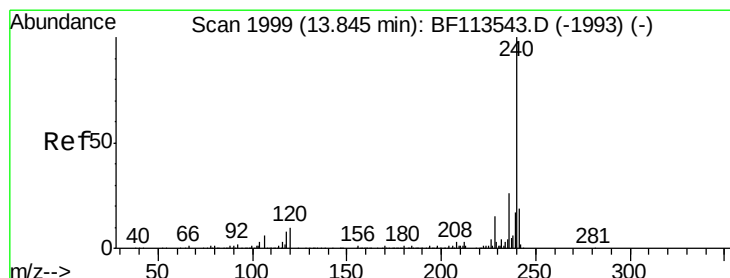
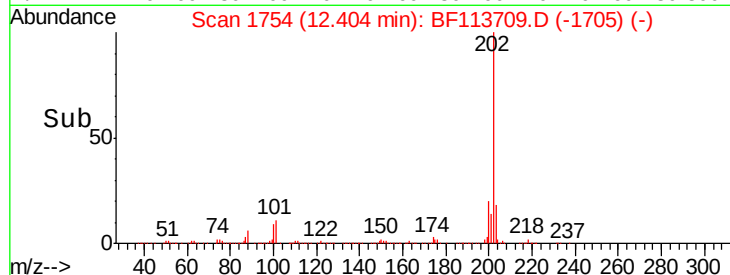
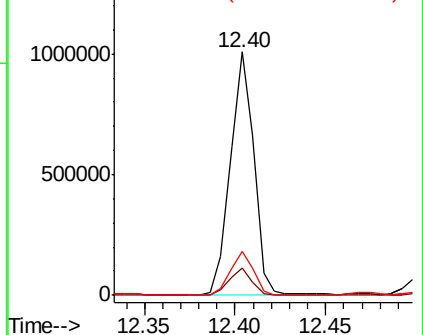
Tot Ion	Ratio	Resp	Lower	Upper
202	100	915169		
101	11.2	0.0	31.4	
203	18.1	0.0	38.0	

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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

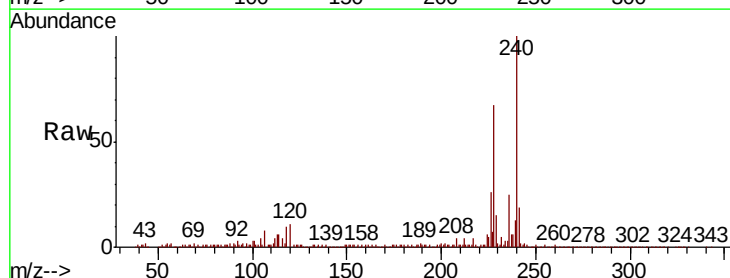
RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

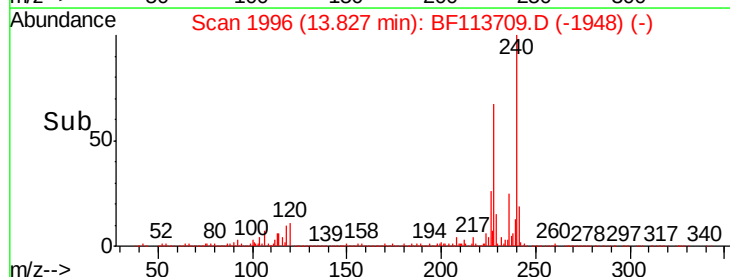
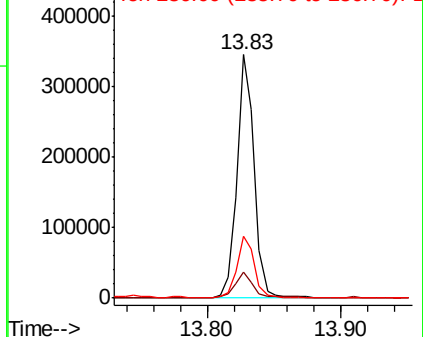
Lab File: BF113709.D

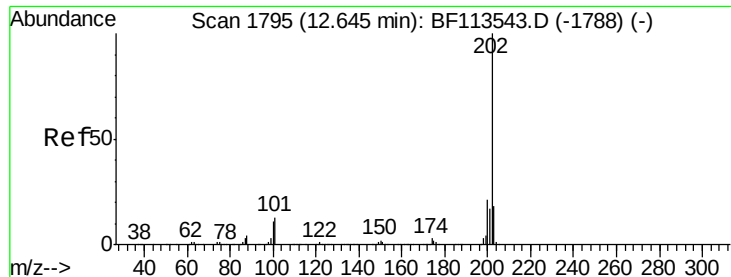
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	308856		
120	10.8	8.8	13.2	
236	25.3	20.9	31.3	



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





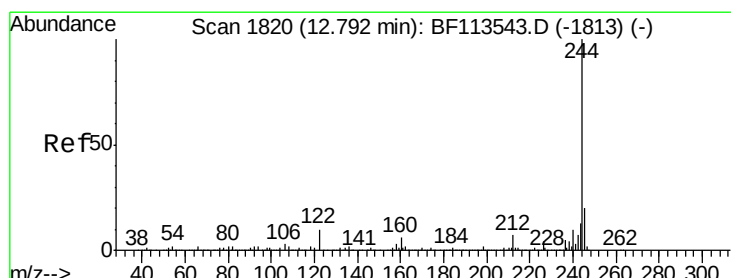
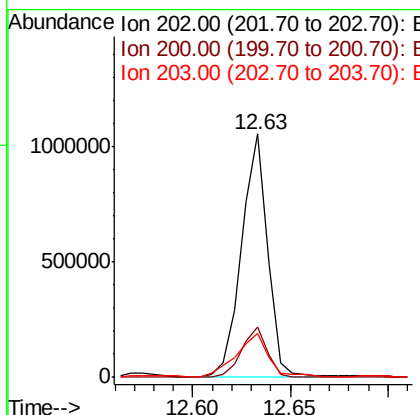
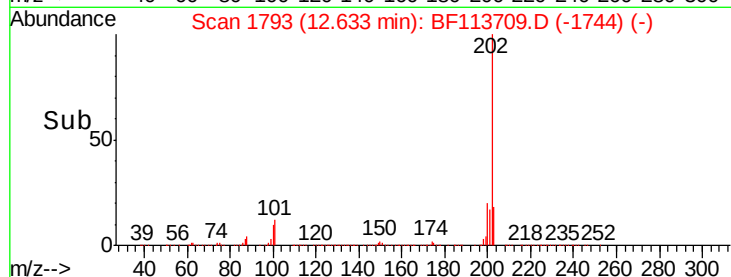
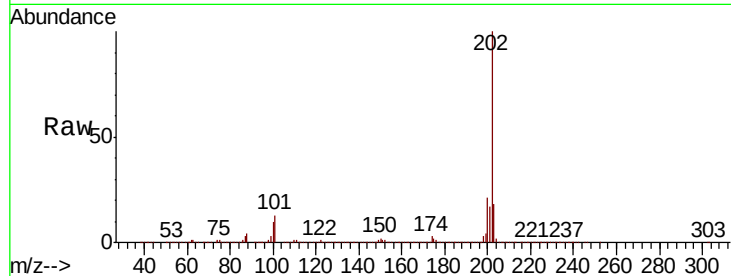
#78
Pvrene
Concen: 41.492 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.0	14.4	21.6

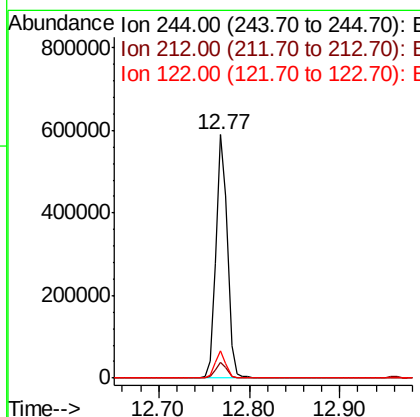
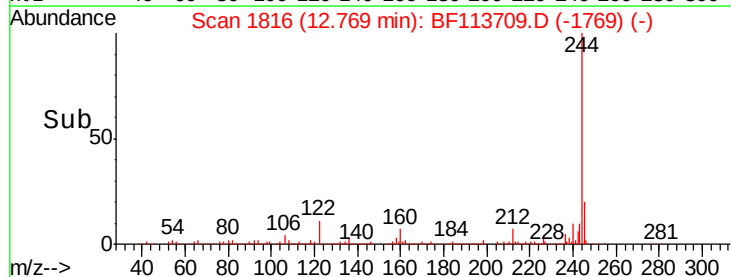
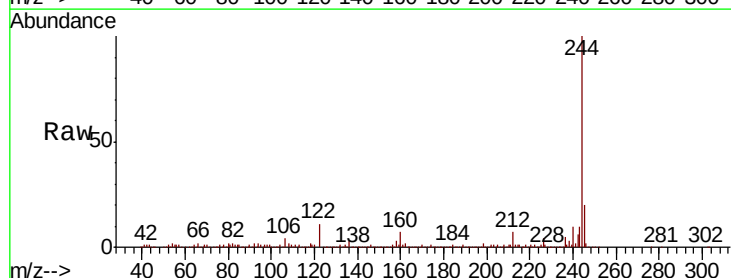
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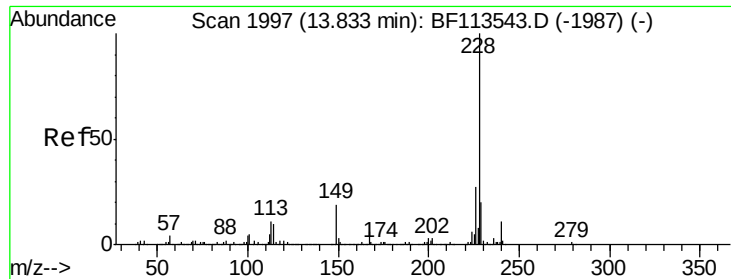
Sohil
4/11/2019 2:39:55 PM



#79
Terphenyl-d14
Concen: 33.965 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.3	8.6	13.0





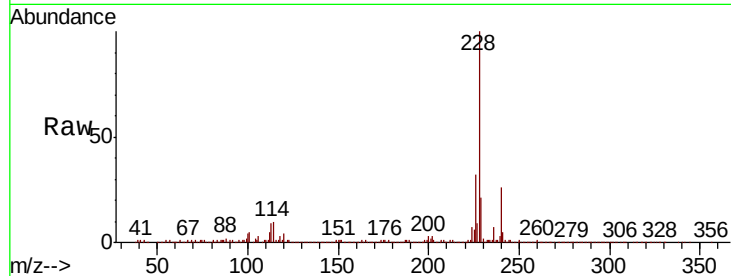
#81
Benzo(a)anthracene
Concen: 33.642 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.8	32.8
229	20.8	16.2	24.4

Manual Integrations
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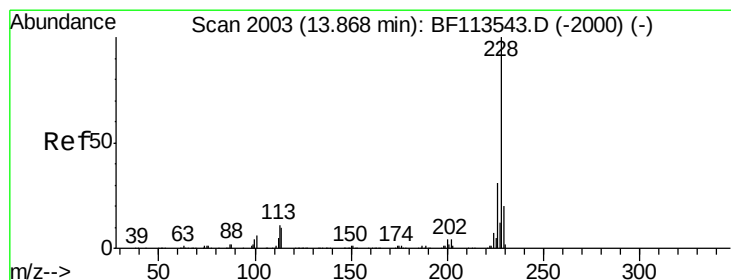
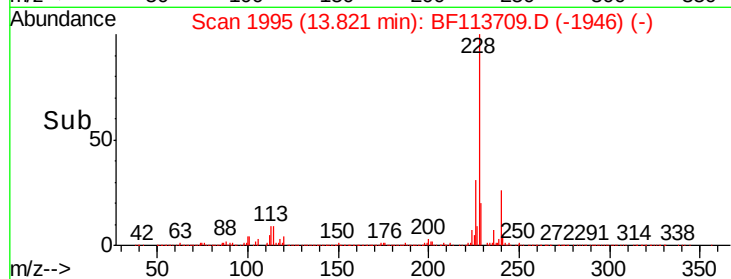
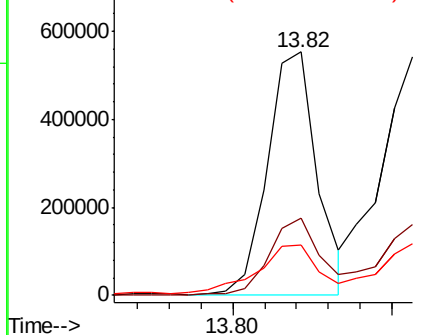


Abundance

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: 30.739 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

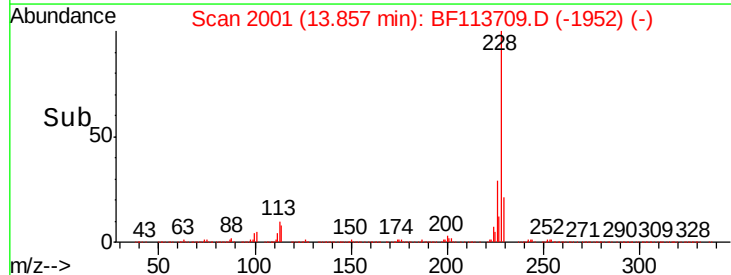
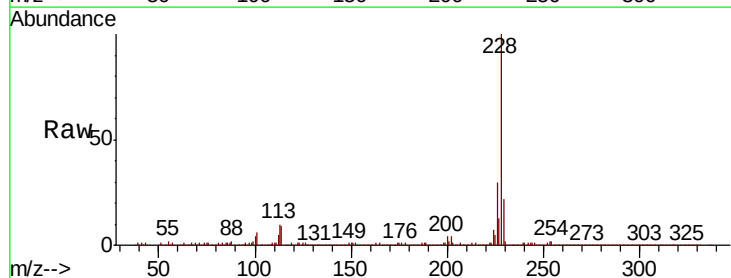
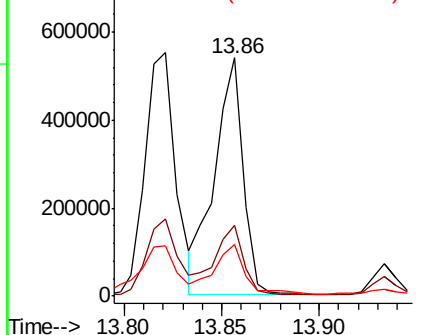
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	21.8	16.3	24.5

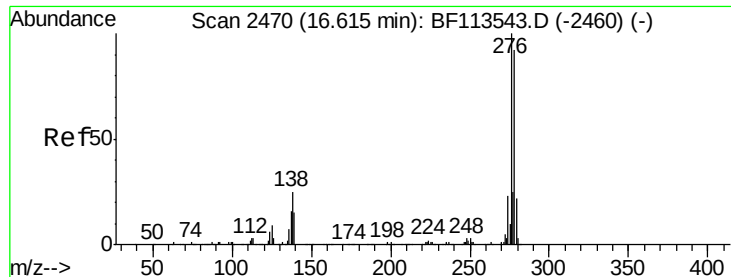
Abundance

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





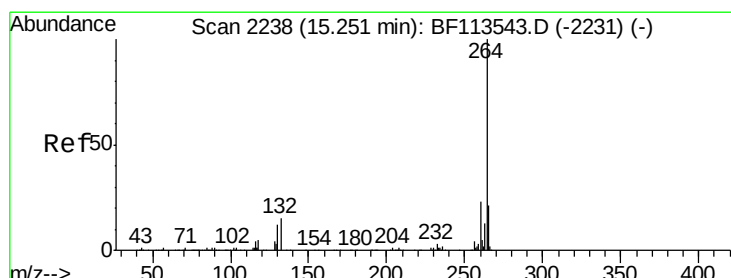
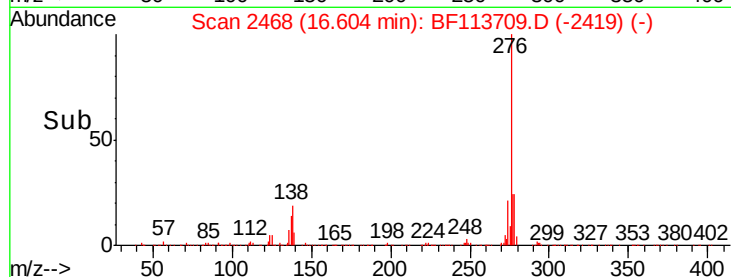
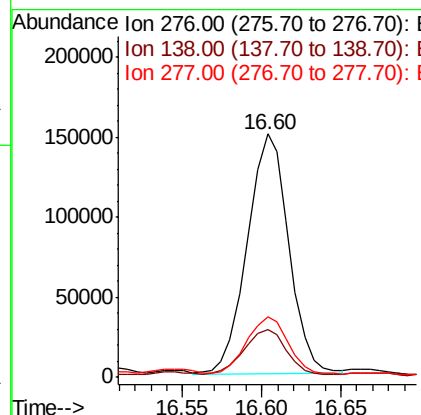
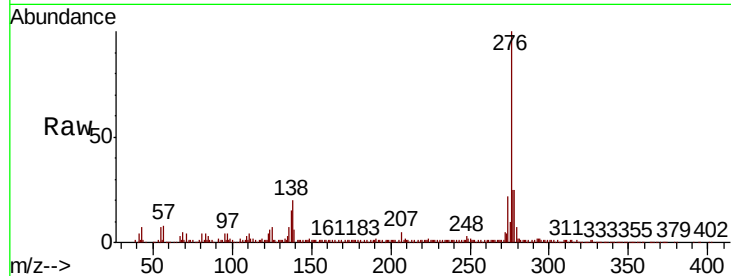
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 16.331 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-A

Tot Ion:	276	Resp:	272332
Ion Ratio	Lower	Upper	
276	100		
138	19.4	18.1	27.1
277	24.2	20.2	30.4

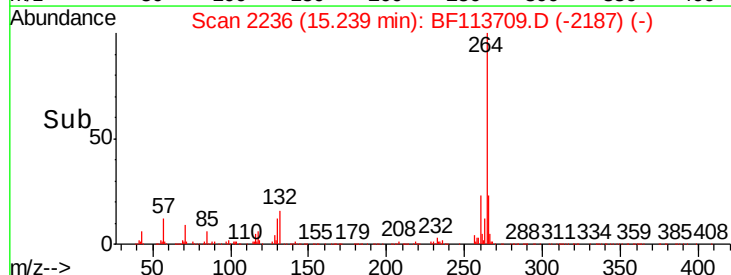
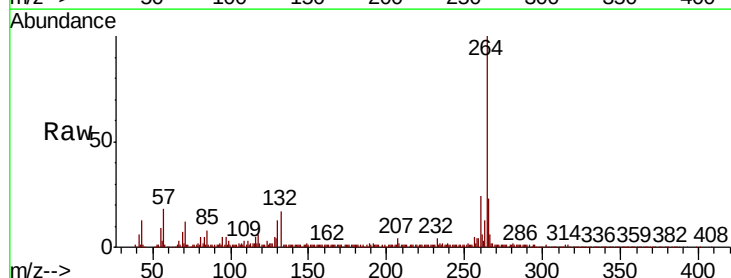
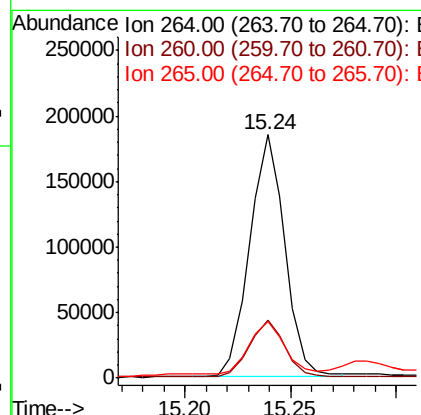
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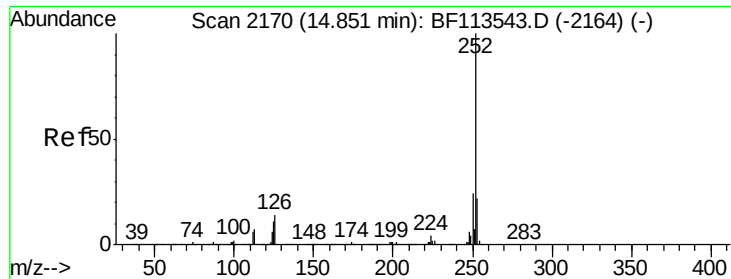
Sohil
 4/11/2019 2:39:55 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Tgt Ion:	264	Resp:	213251
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.1	28.7
265	23.2	17.1	25.7





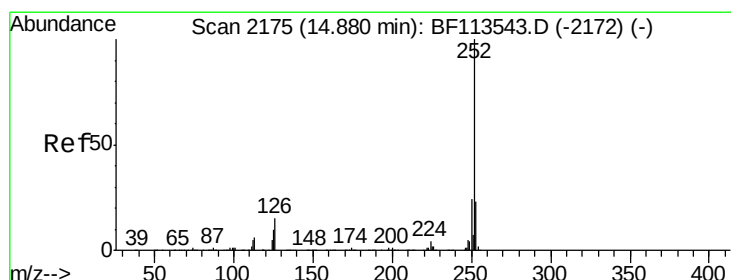
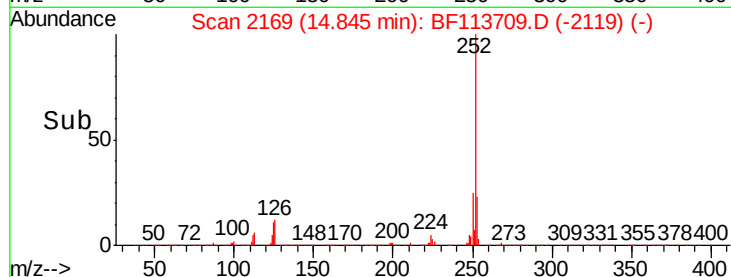
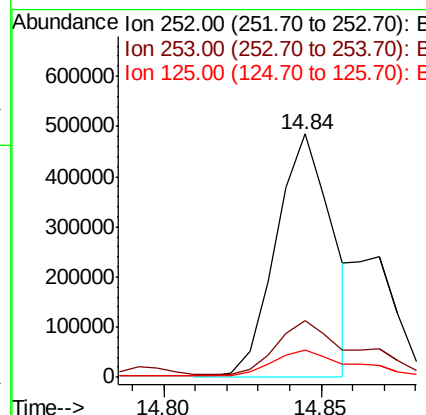
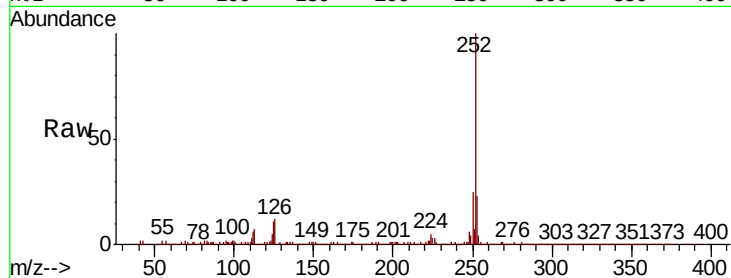
#88
Benzo(b)fluoranthene
Concen: 46.239 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.1	7.6	11.4

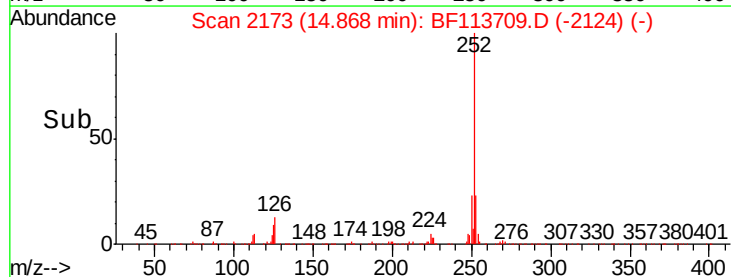
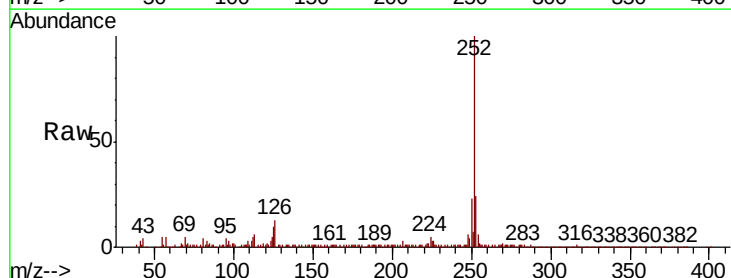
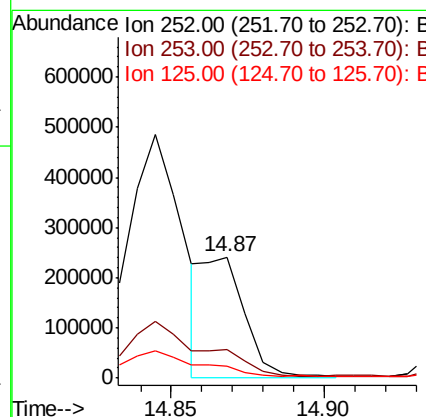
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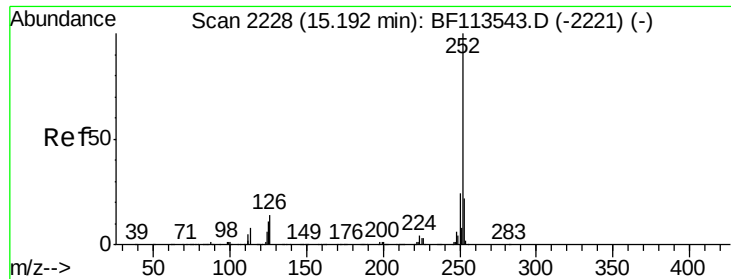
Sohil
4/11/2019 2:39:55 PM



#89
Benzo(k)fluoranthene
Concen: 19.861 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	10.1	7.3	10.9





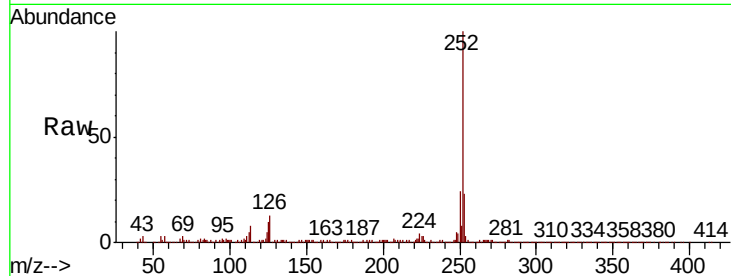
#90
Benzo(a)pyrene
Concen: 37.262 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	432216		
253	22.6		17.9	26.9
125	10.5		8.8	13.2

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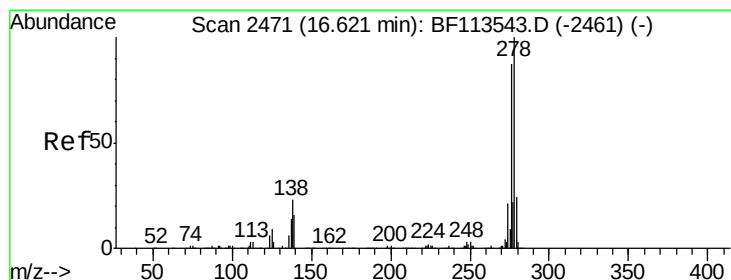
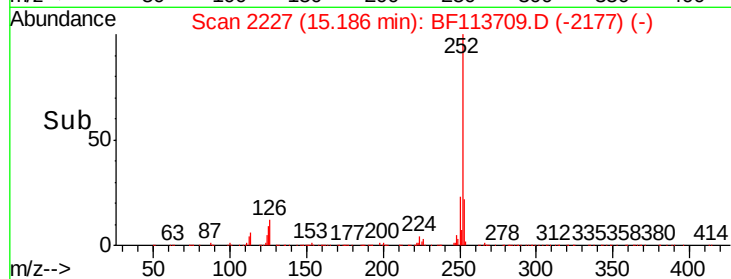
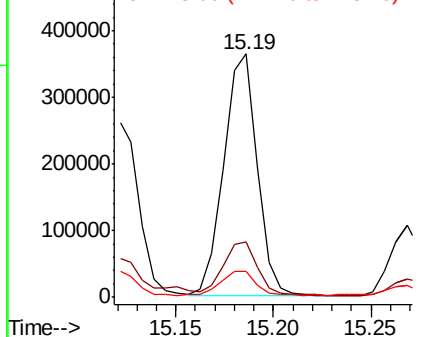


Abundance

Ion 252.00 (251.70 to 252.70): E

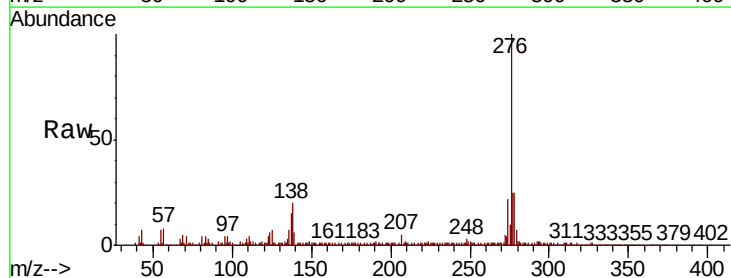
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 6.682 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	72485		
139	24.4		12.0	18.0#
279	29.1		19.0	28.6#

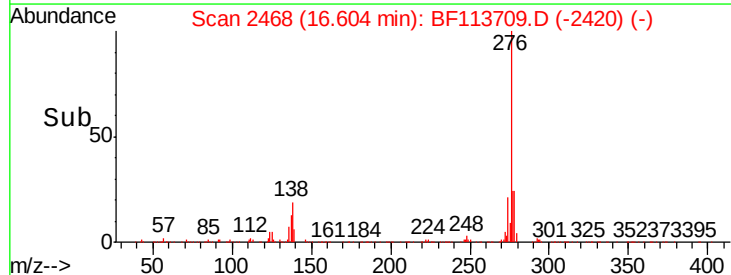
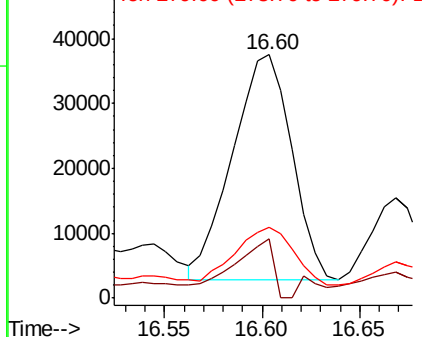


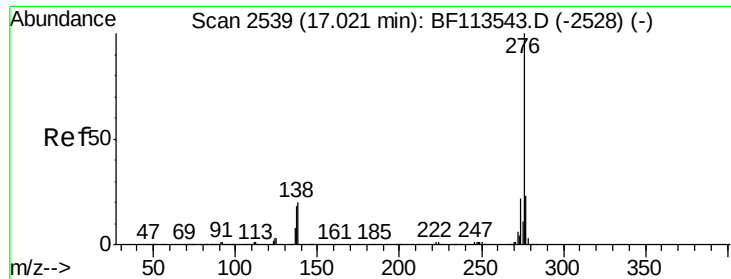
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 24.269 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-A

Tot Ion:	276	Resp:	268697
Ion Ratio		Lower	Upper
276	100		
277	26.7	18.8	28.2
138	20.2	15.6	23.4

Manual Integrations
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