

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113215.D
 Acq On : 21 Mar 2019 18:23
 Operator : JU/SJ
 Sample : K2010-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Sohil
 3/22/2019 3:35:56 PM

Quant Time: Mar 22 01:28:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168748	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	629060	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	314850	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	523905	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	371770	20.00	ng	0.00
87) Perylene-d12	15.28	264	299916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1193998	110.06	ng	0.00
7) Phenol-d6	6.37	99	1604531	117.75	ng	0.00
23) Nitrobenzene-d5	7.29	82	1045334	99.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	452488	135.37	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1656709	88.00	ng	-0.01
79) Terphenyl-d14	12.82	244	1319822	68.82	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.47	163	183255	7.894	ng	Qvalue 98
71) Phenanthrene	11.26	178	612703	23.506	ng	99
72) Anthracene	11.31	178	104302	3.823	ng	98
73) Carbazole	11.47	167	62149	2.335	ng	98
75) Fluoranthene	12.44	202	1013915	36.306	ng	97
78) Pyrene	12.67	202	971258	30.990	ng	99
81) Benzo(a)anthracene	13.86	228	456659	17.723	ng	99
83) Chrysene	13.89	228	486665	19.282	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	185325	8.613	ng	# 88
88) Benzo(b)fluoranthene	14.88	252	541362m	27.906	ng	
89) Benzo(k)fluoranthene	14.90	252	152753m	8.693	ng	
90) Benzo(a)pyrene	15.22	252	341094	19.878	ng	97
91) Dibenzo(a,h)anthracene	16.64	278	46504m	3.176	ng	
92) Benzo(g,h,i)perylene	17.05	276	174326	11.857	ng	95

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

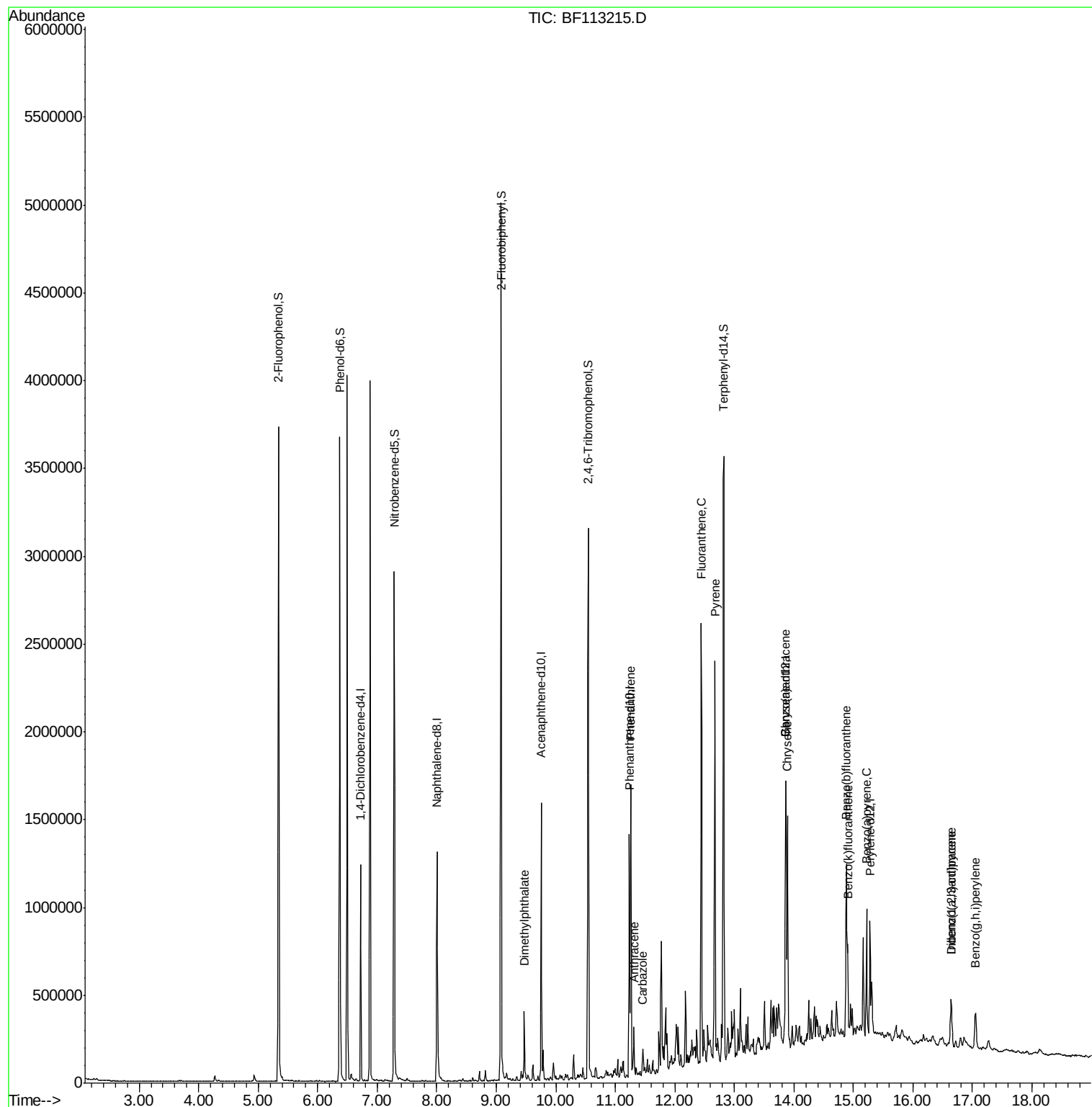
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
Acq On : 21 Mar 2019 18:23
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

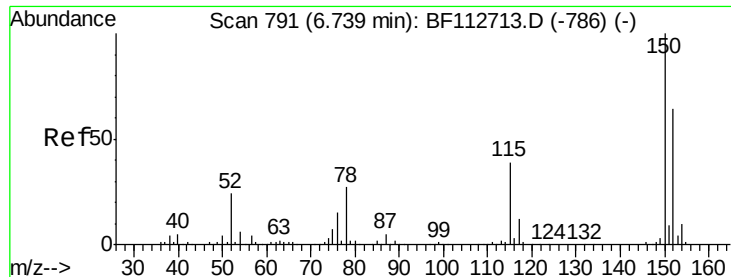
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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#1

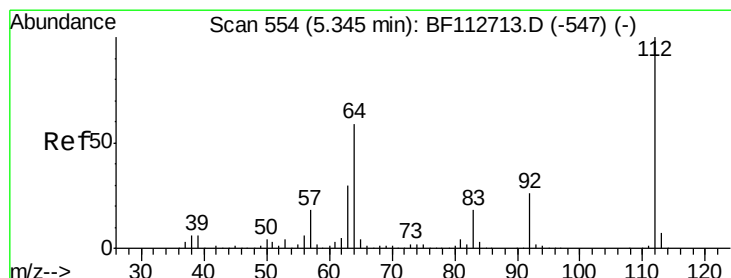
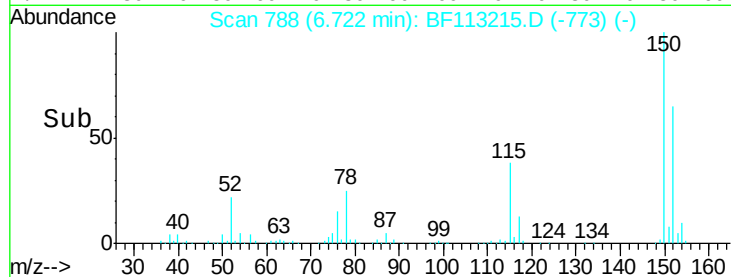
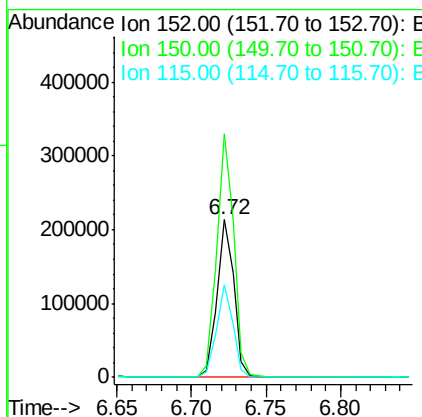
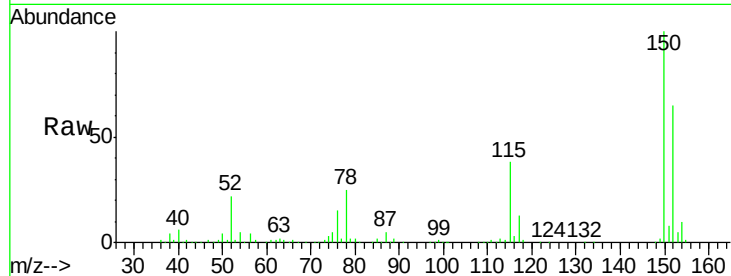
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.2	186.2
115	59.2	48.2	72.4

Manual Integrations
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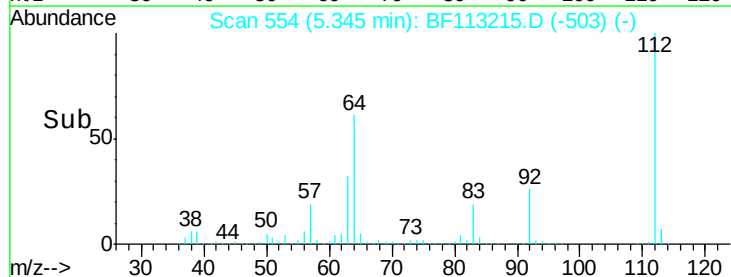
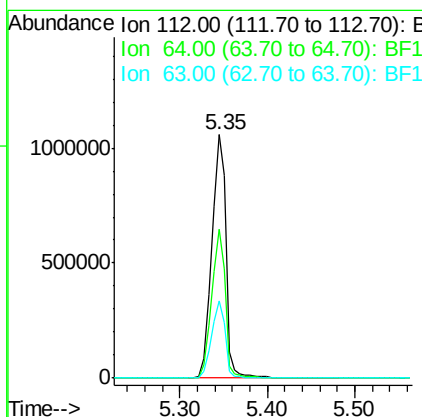
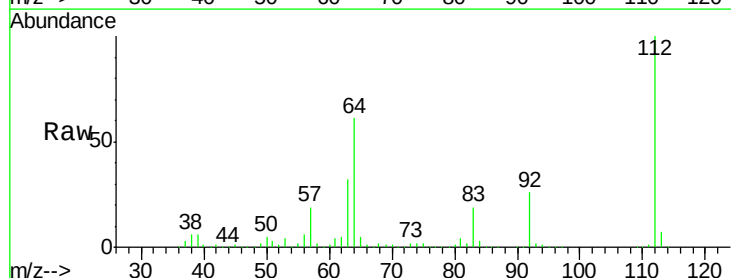
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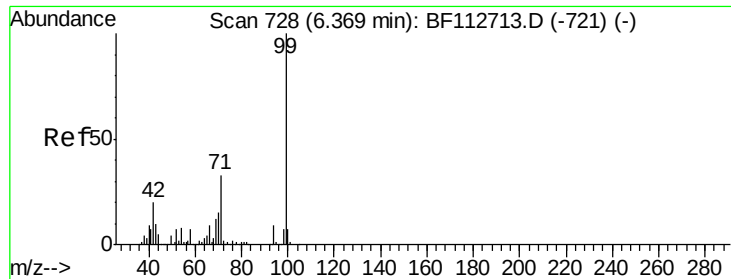


#5

2-Fluorophenol
Concen: 110.065 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.6	71.4
63	31.7	24.4	36.6





#7

Phenol-d6

Concen: 117.746 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113215.D

Acq: 21 Mar 2019 18:23

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 99 Resp: 1604531

Ion Ratio Lower Upper

99 100

42 19.6 16.3 24.5

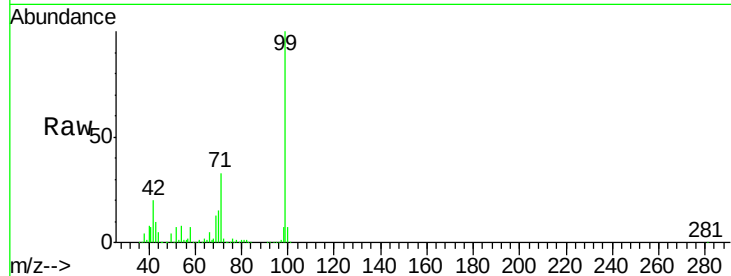
71 33.3 26.2 39.4

Manual Integrations

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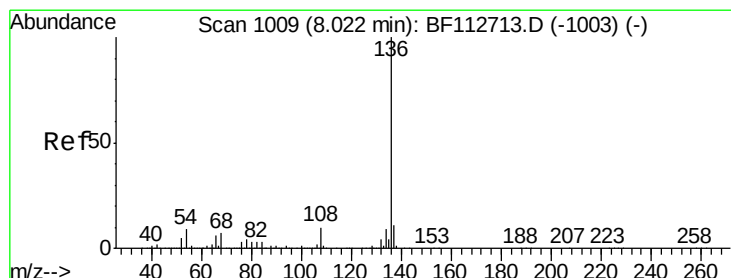
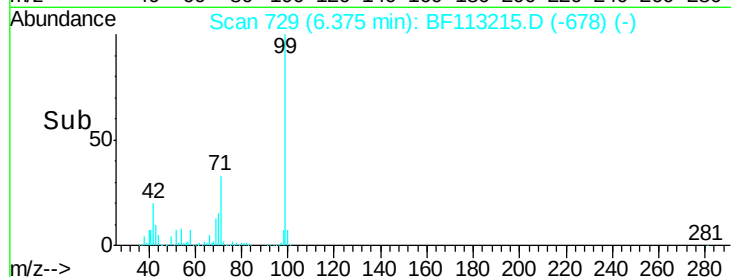
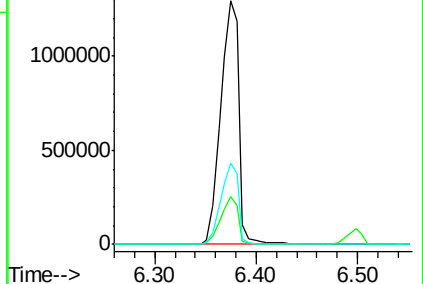
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113215.D

Acq: 21 Mar 2019 18:23

Tgt Ion: 136 Resp: 629060

Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.1 7.3 10.9

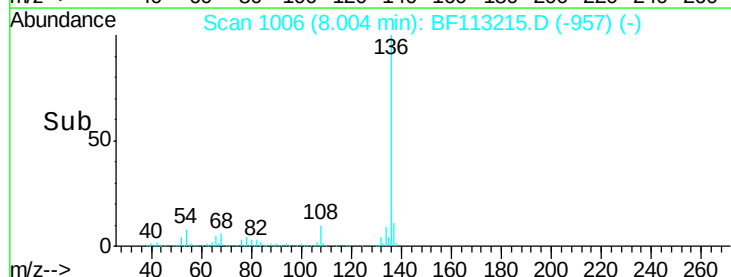
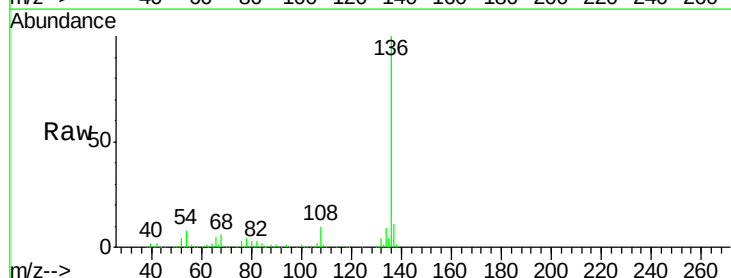
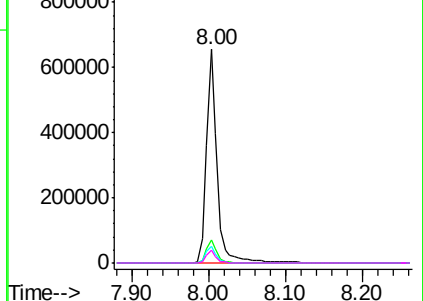
68 6.0 5.4 8.2

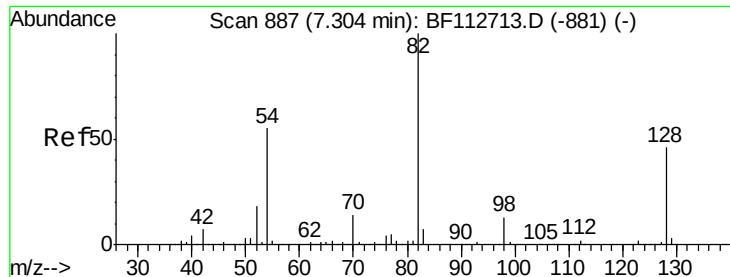
Abundance Ion 136.00 (135.70 to 136.70): E

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





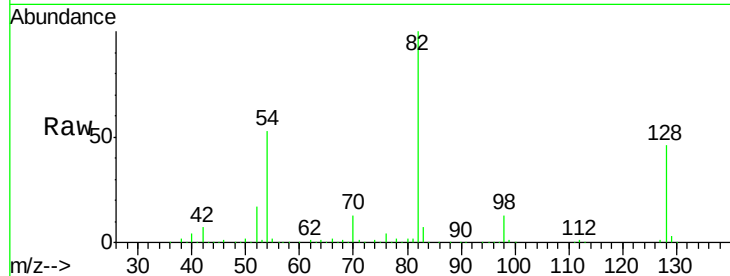
#23
Nitrobenzene-d5
Concen: 99.435 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampled :
TP-1

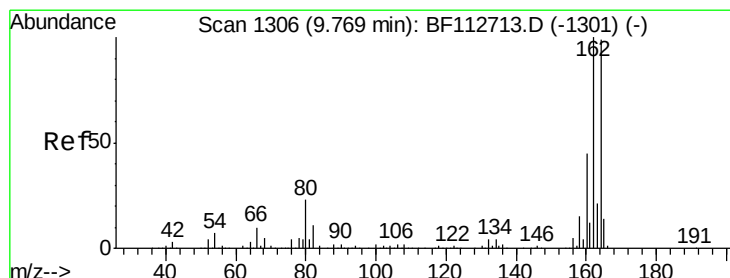
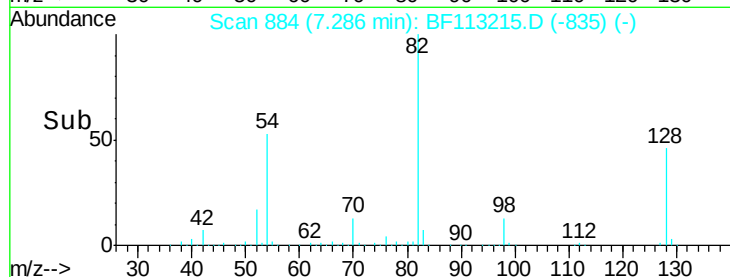
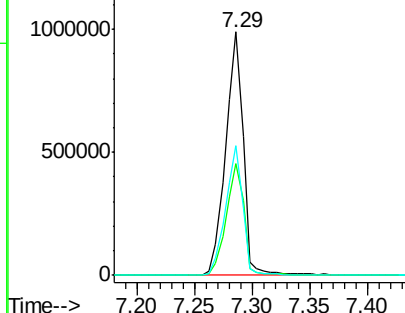
Tgt Ion: 82 Resp: 1045334
Ion Ratio Lower Upper
82 100
128 46.0 36.3 54.5
54 53.1 43.7 65.5

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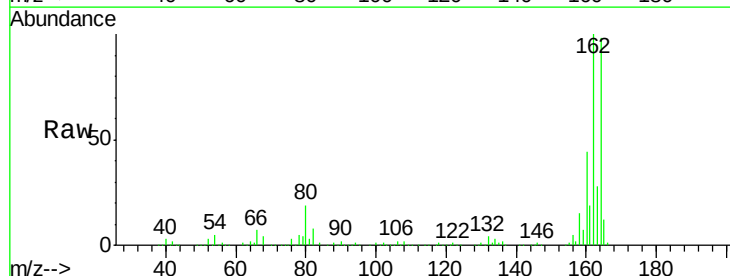


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

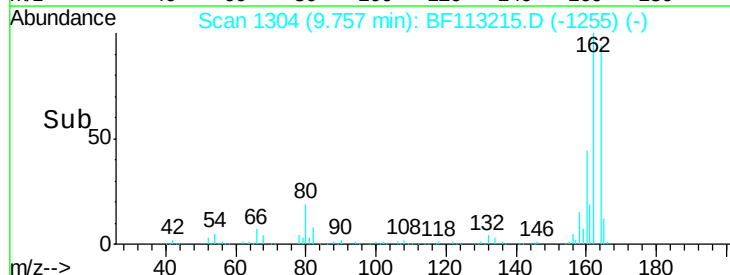
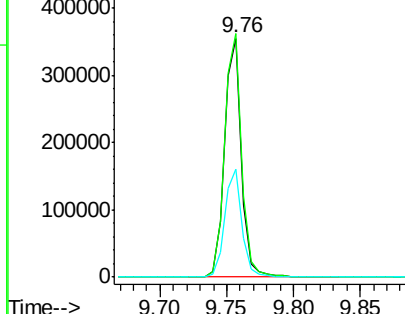


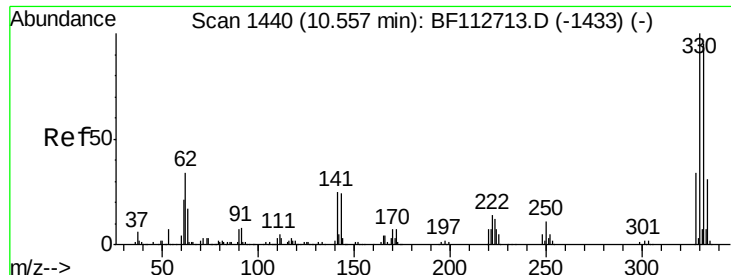
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion: 164 Resp: 314850
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 45.1 36.0 54.0



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





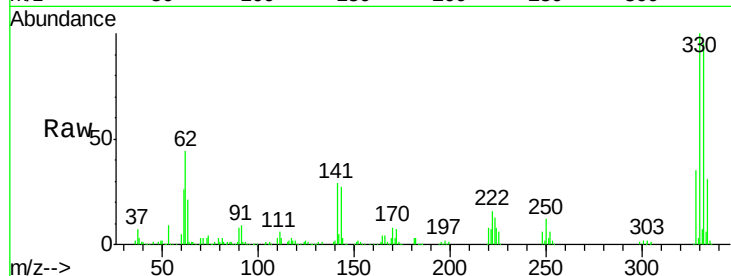
#42
 2,4,6-Tribromophenol
 Concen: 135.373 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113215.D
 Acq: 21 Mar 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	28.2	27.0	40.6

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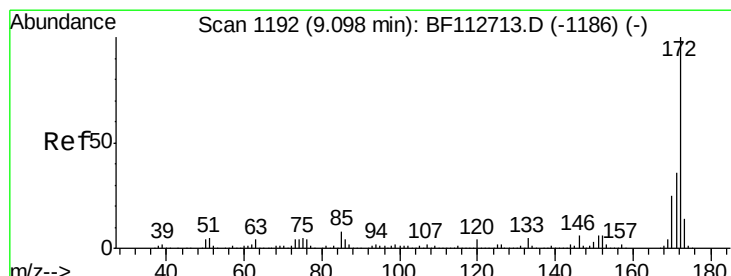
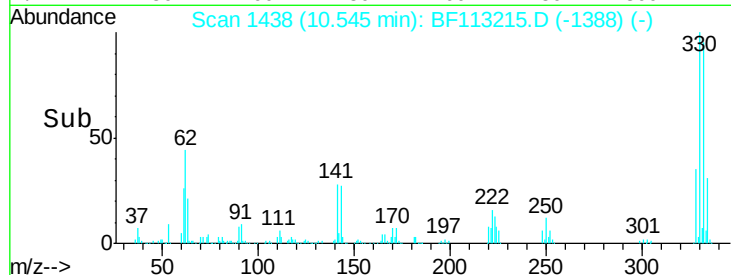
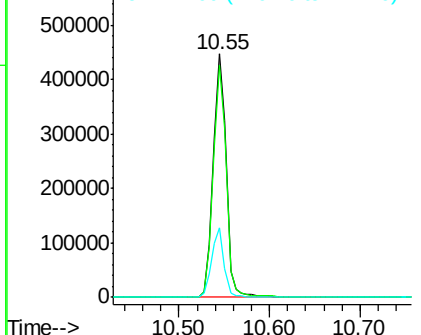


Abundance

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: 88.004 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113215.D
 Acq: 21 Mar 2019 18:23

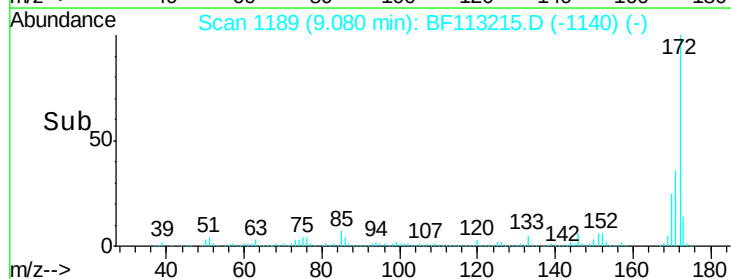
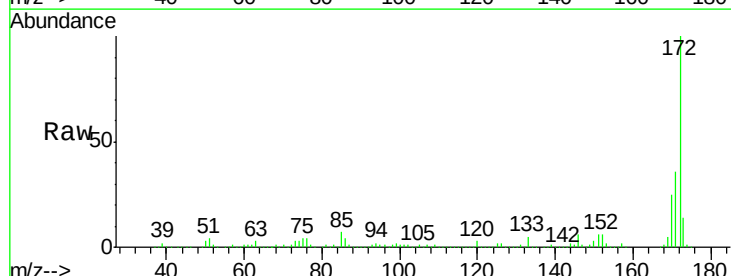
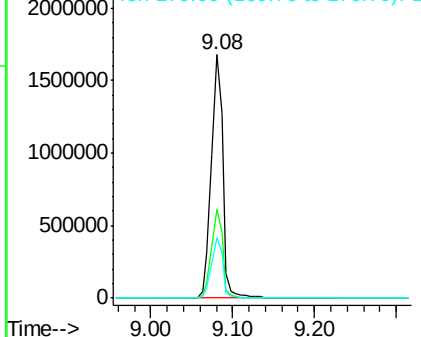
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	25.1	20.0	30.0

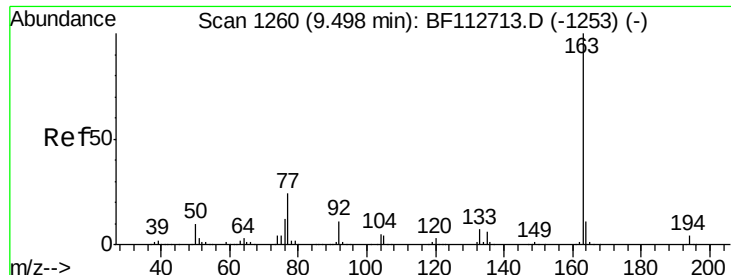
Abundance

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





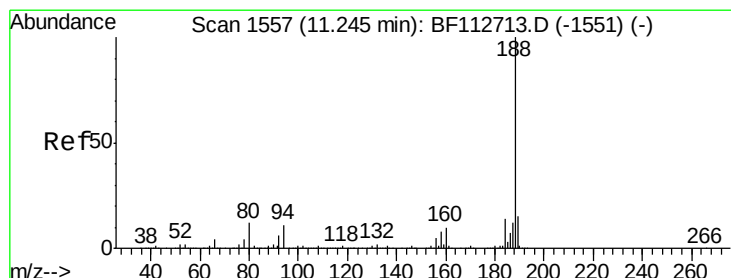
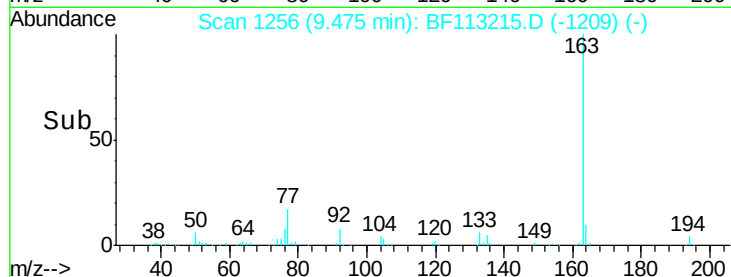
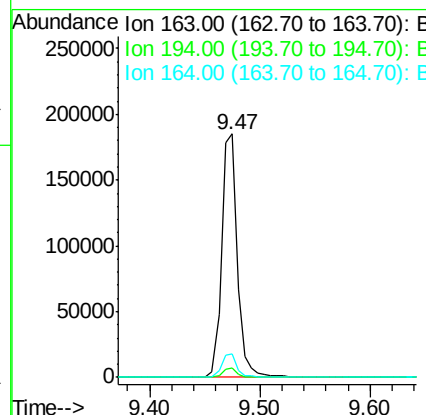
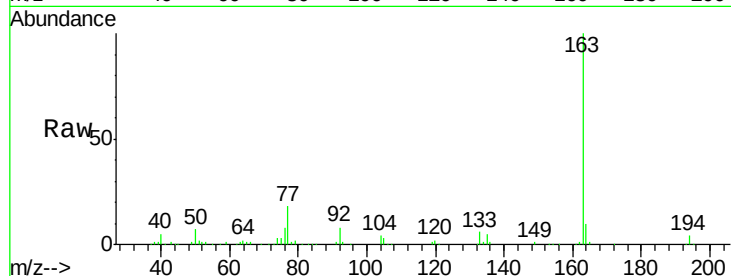
#50
Dimethylphthalate
Concen: 7.894 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.0	4.4
164	9.8	8.4	12.6

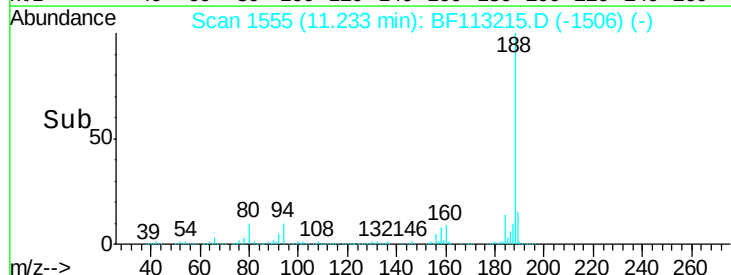
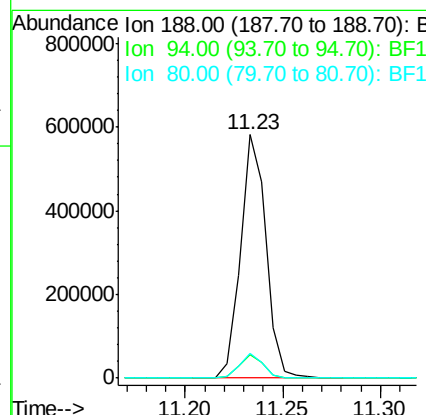
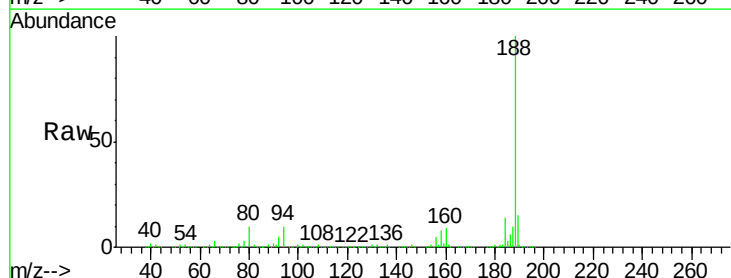
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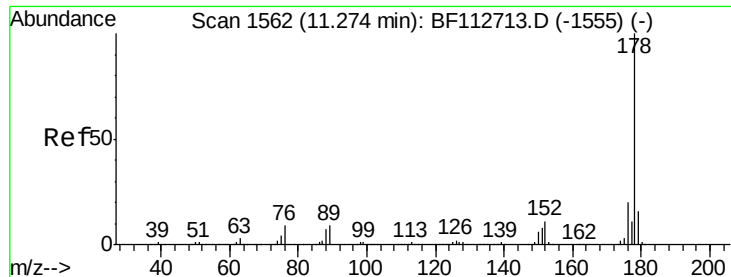
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.6	9.0	13.4
80	9.9	9.2	13.8





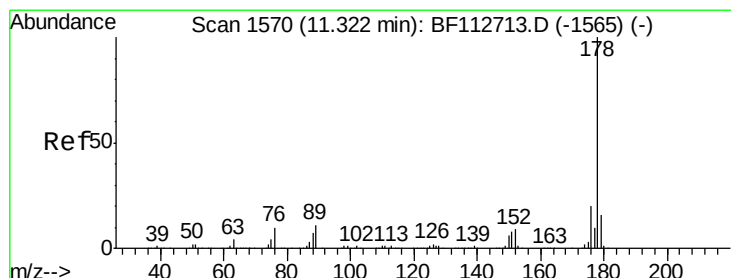
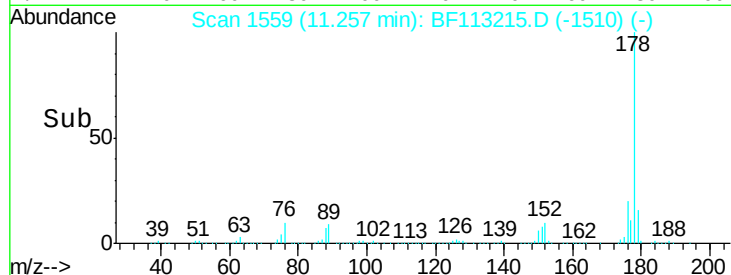
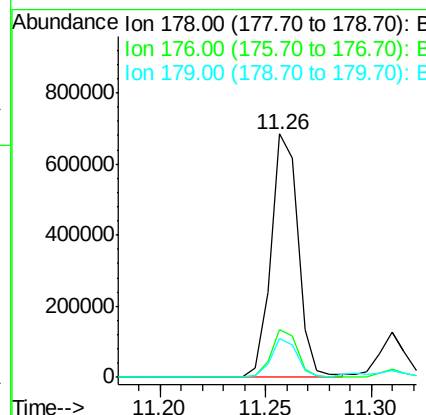
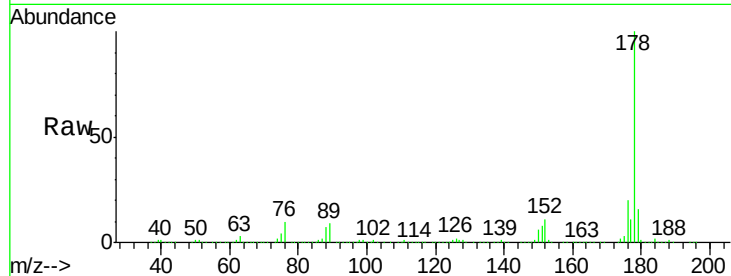
#71
Phenanthrene
Concen: 23.506 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.8	12.7	19.1

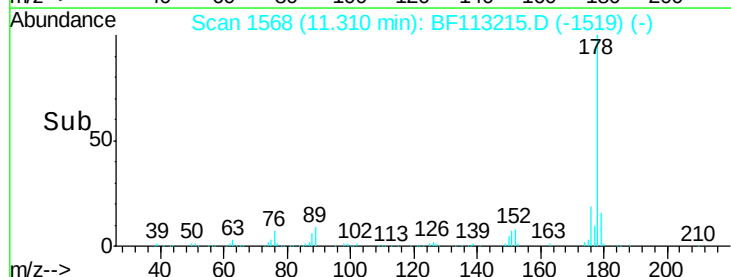
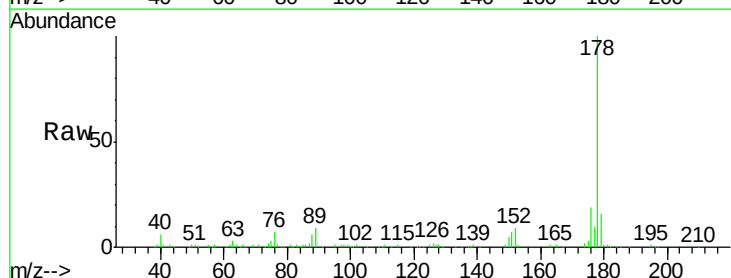
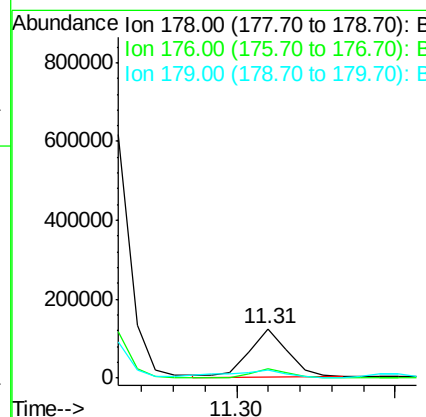
Manual Integrations
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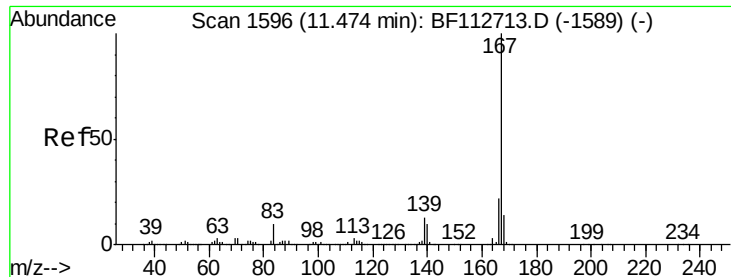
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#72
Anthracene
Concen: 3.823 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	16.4	13.0	19.6





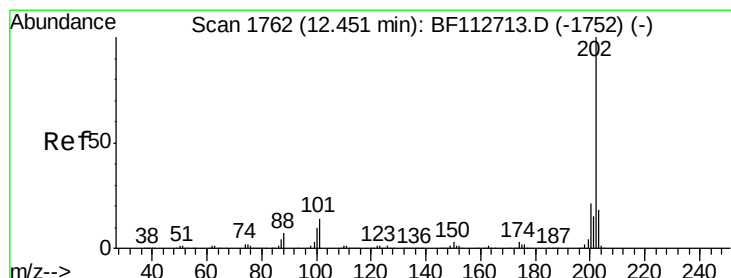
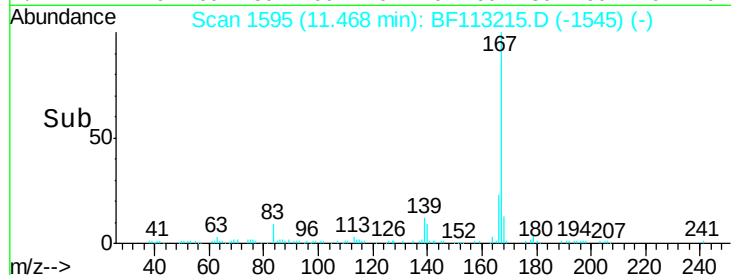
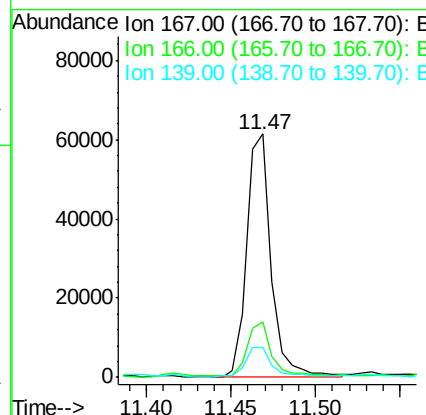
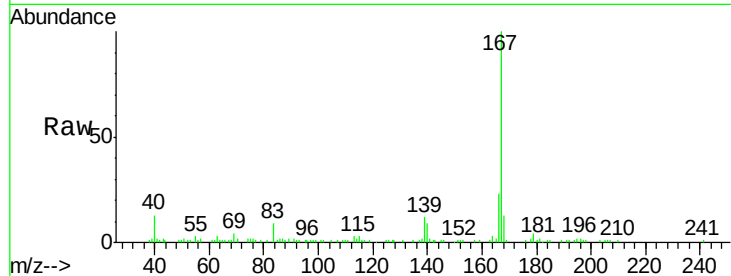
#73
 Carbazole
 Concen: 2.335 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF113215.D
 Acq: 21 Mar 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.5	26.3
139	12.0	10.8	16.2

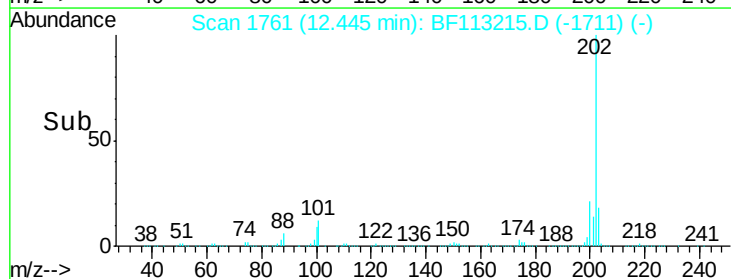
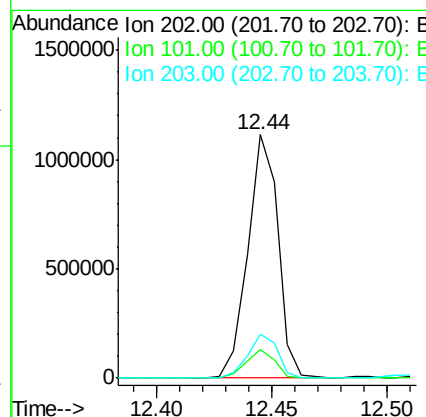
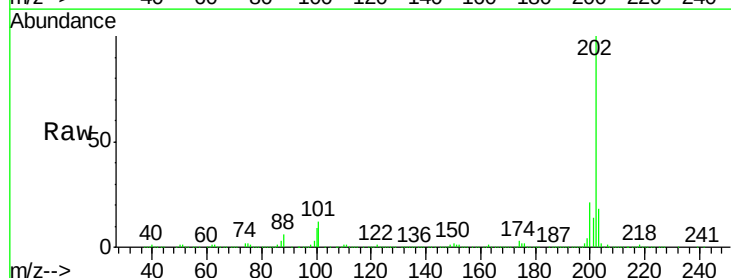
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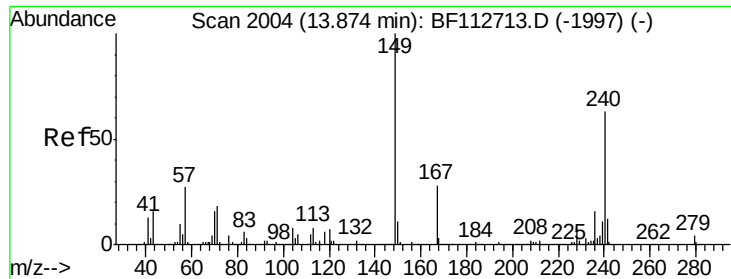
Sohil
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#75
 Fluoranthene
 Concen: 36.306 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF113215.D
 Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.8
203	18.0	0.0	38.4





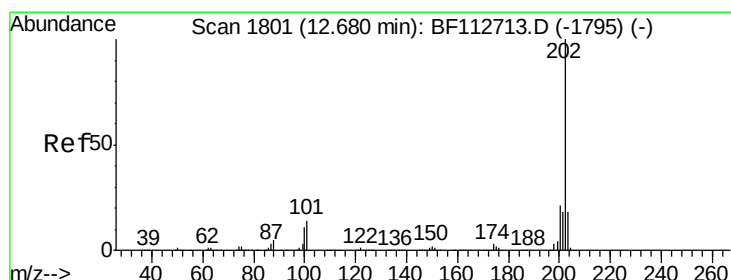
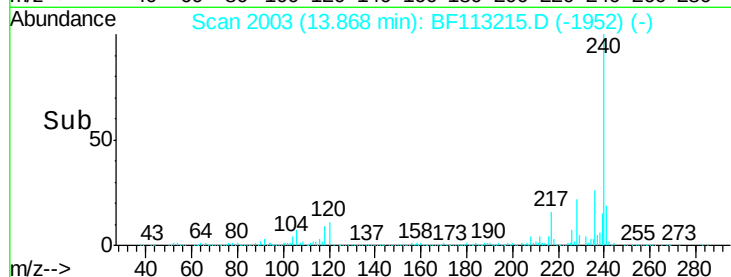
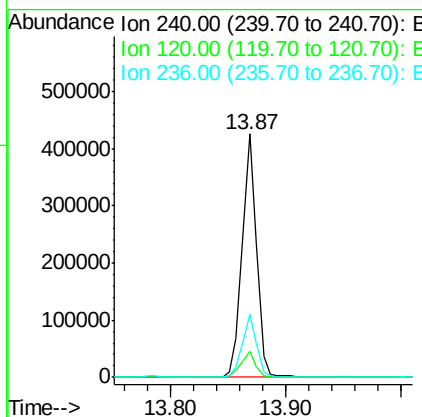
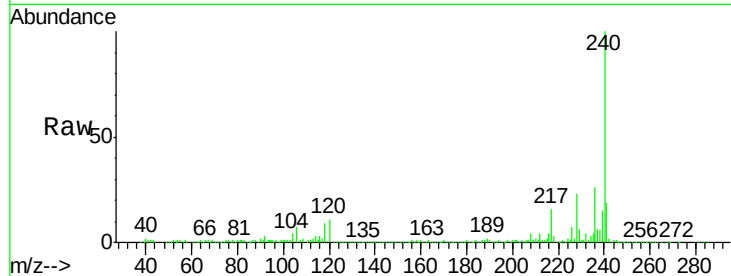
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion:240 Resp: 371770
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.1 20.7 31.1

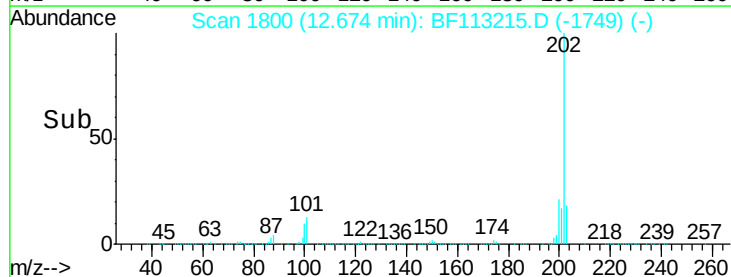
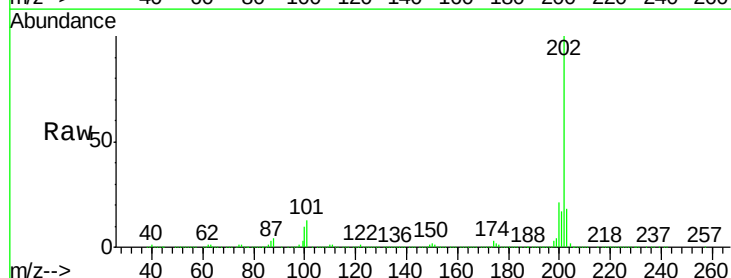
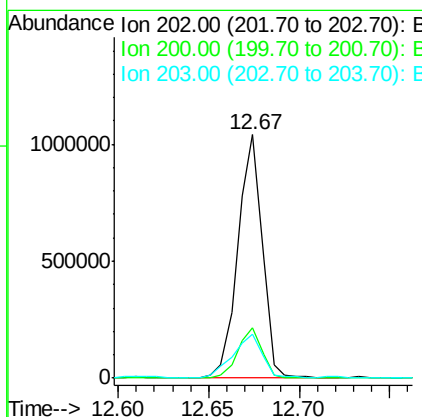
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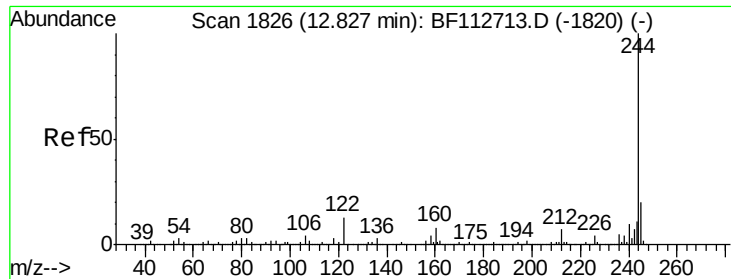
Sohil
3/22/2019 3:35:56 PM



#78
Pyrene
Concen: 30.990 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion:202 Resp: 971258
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 68.819 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113215.D

Acq: 21 Mar 2019 18:23

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:244 Resp: 1319822

Ion Ratio Lower Upper

244 100

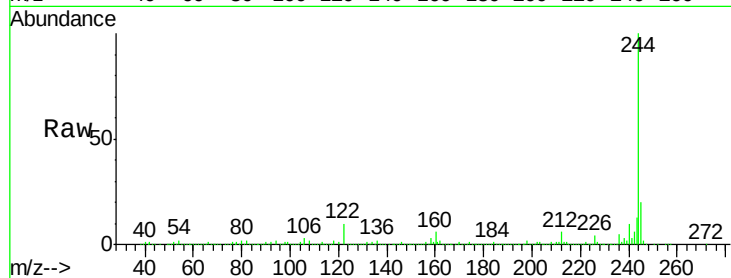
212 6.4 5.6 8.4

122 9.7 10.5 15.7#

Manual Integrations
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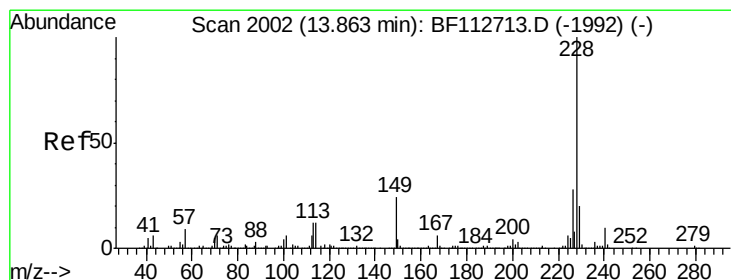
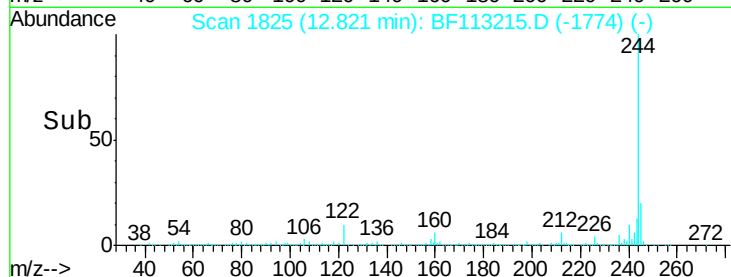
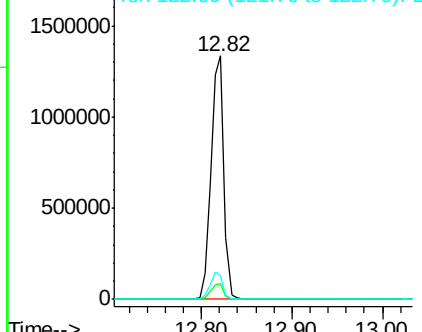
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 17.723 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113215.D

Acq: 21 Mar 2019 18:23

Tgt Ion:228 Resp: 456659

Ion Ratio Lower Upper

228 100

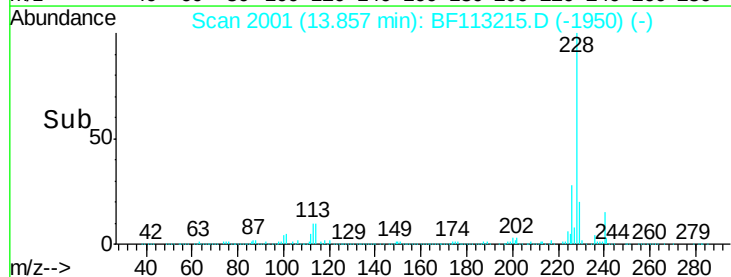
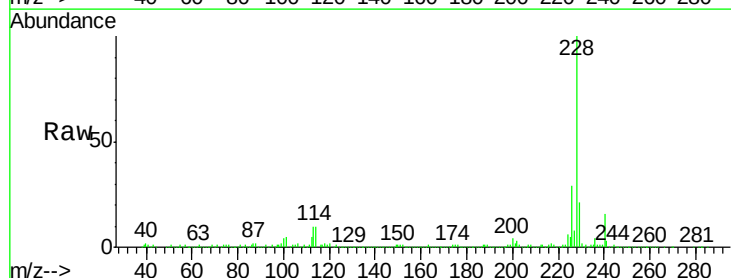
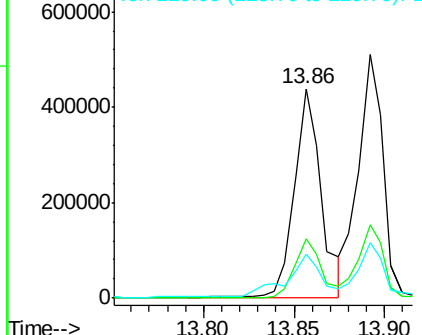
226 28.5 22.2 33.4

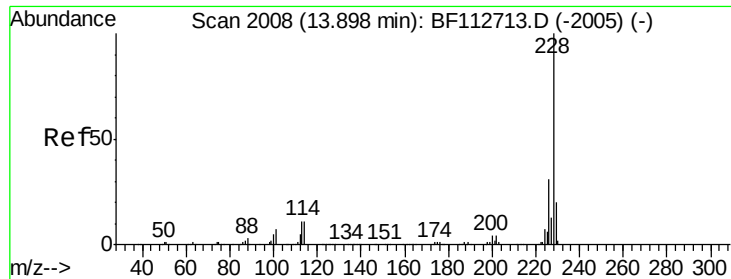
229 20.7 16.0 24.0

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





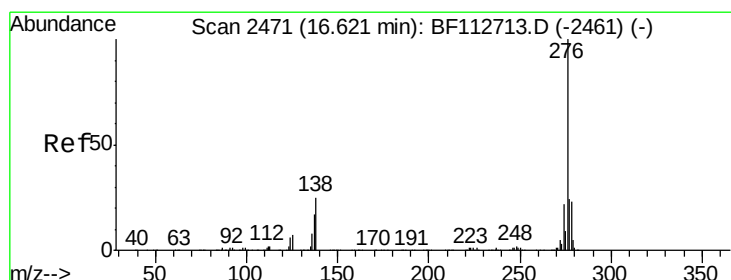
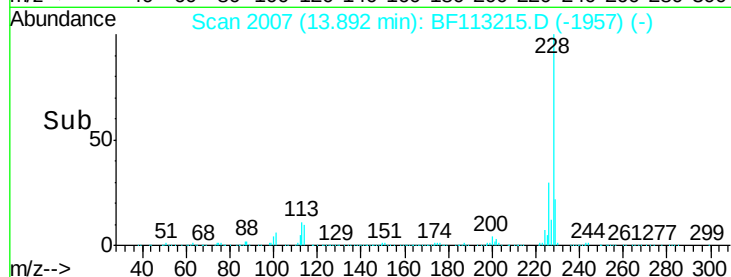
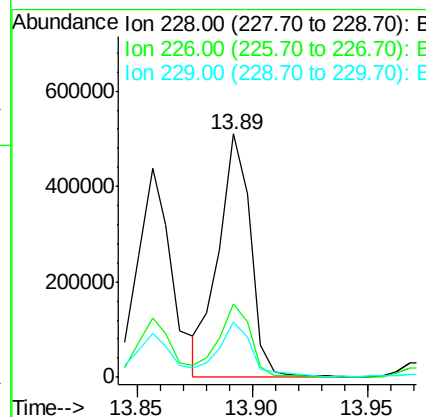
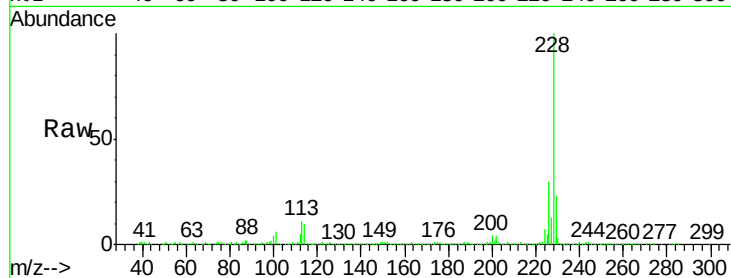
#83
Chrysene
Concen: 19.282 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	486665		
226	30.2		24.9	37.3
229	22.7		16.3	24.5

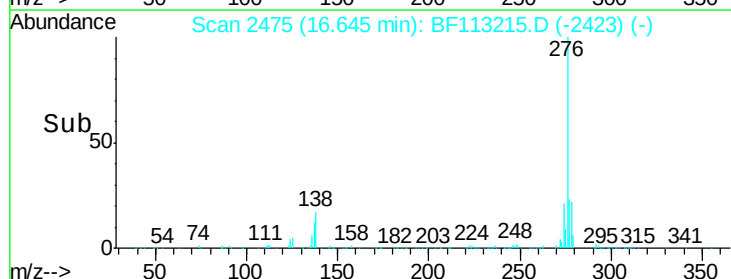
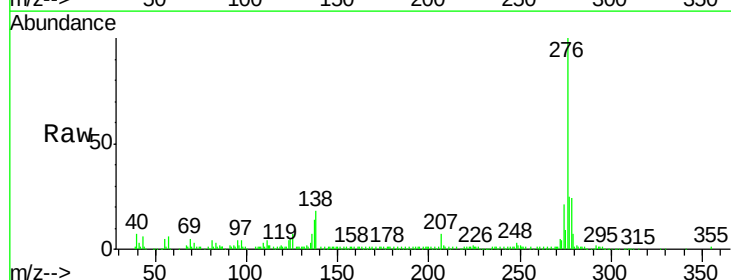
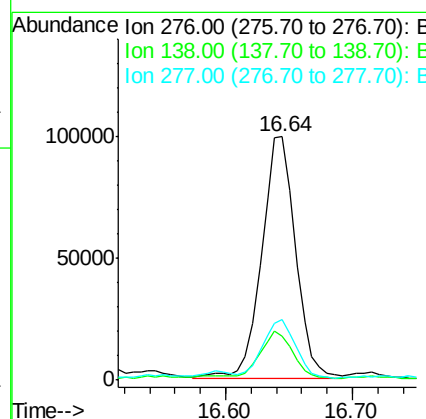
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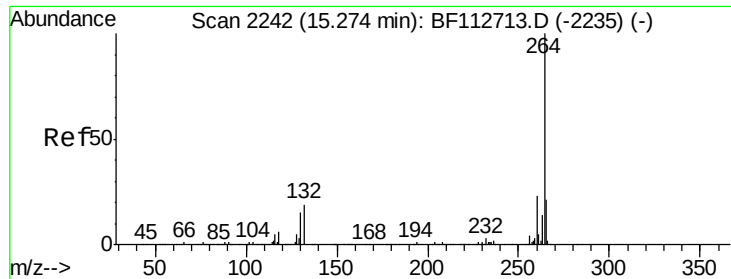
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.613 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	185325		
138	18.8		23.2	34.8#
277	23.1		19.9	29.9





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113215.D

Acq: 21 Mar 2019 18:23

Instrument :

BNA_F

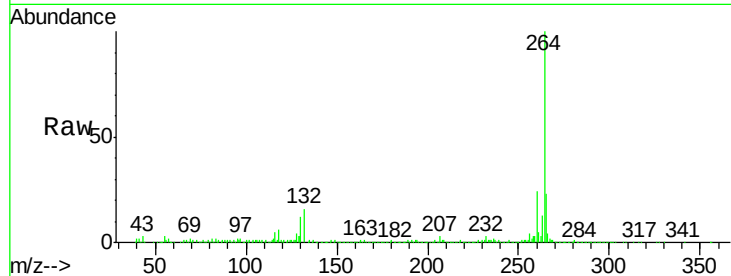
ClientSampleId :

TP-1

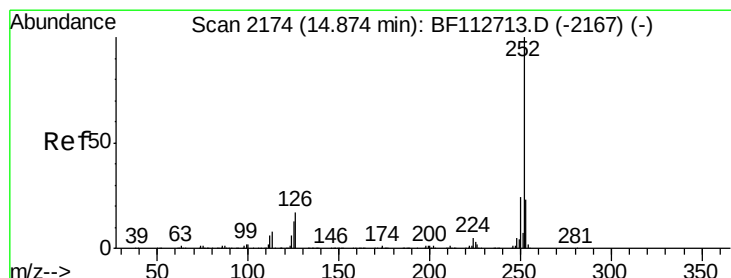
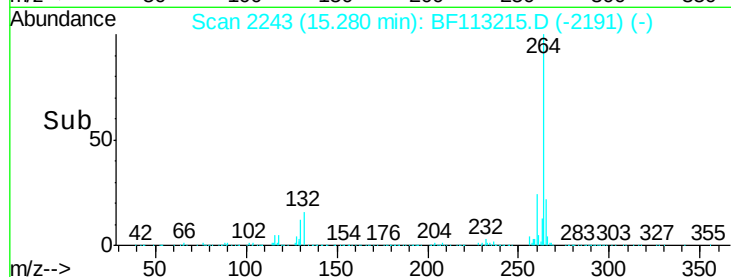
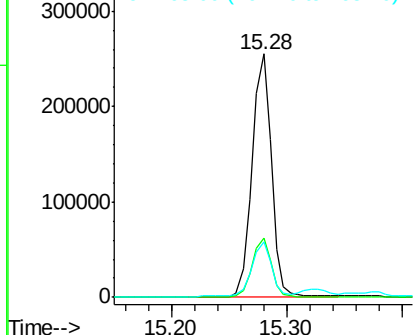
Tgt Ion:	264	Resp:	299916
Ion Ratio		Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.6	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 27.906 ng m

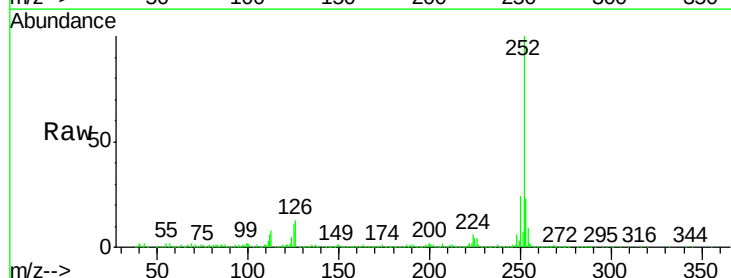
RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

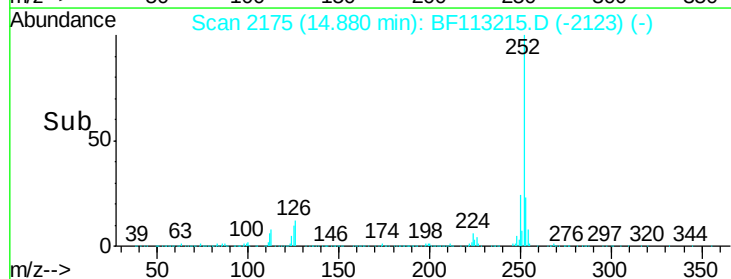
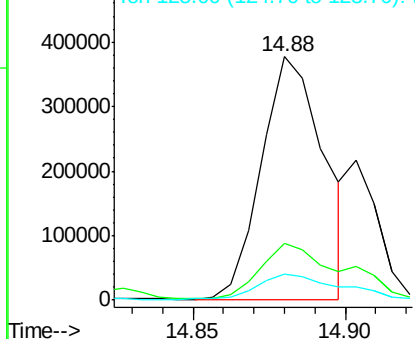
Lab File: BF113215.D

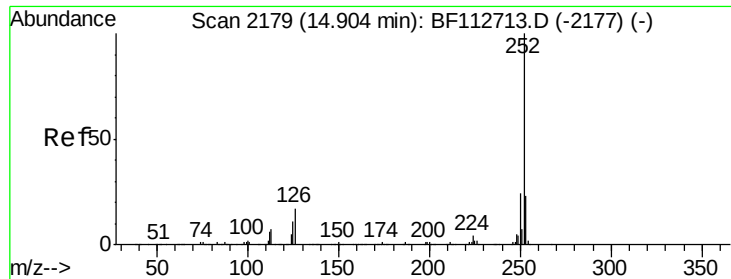
Acq: 21 Mar 2019 18:23

Tgt Ion:	252	Resp:	541362
Ion Ratio		Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.9	10.2	15.2



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





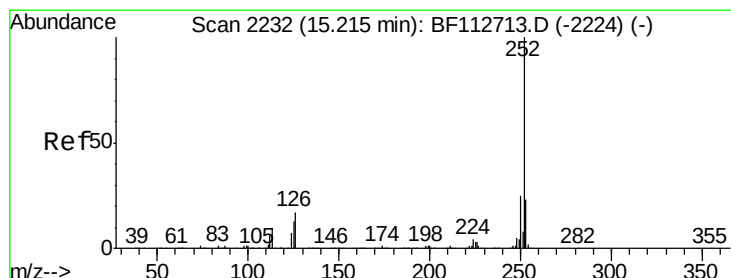
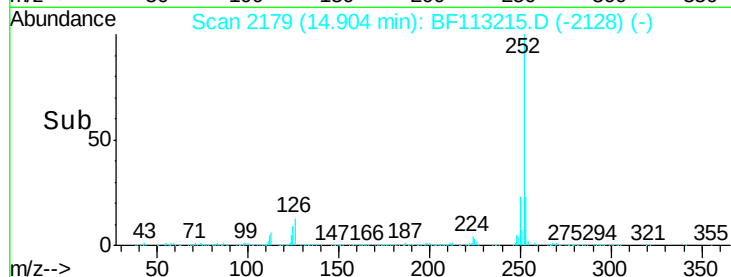
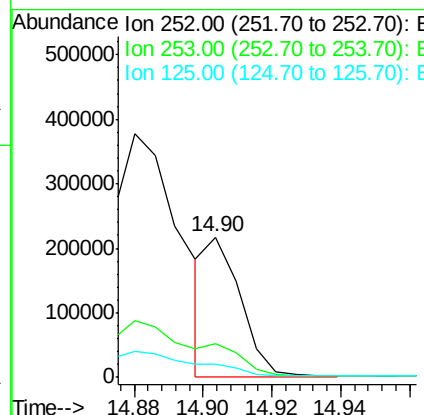
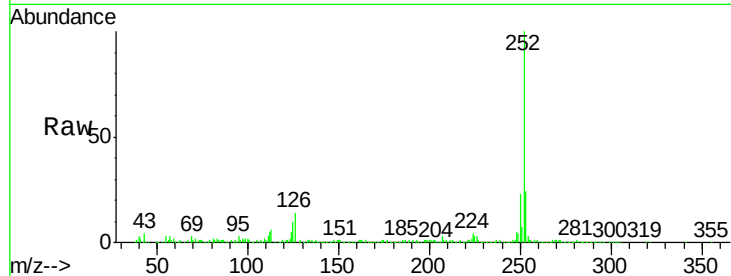
#89
Benzo(k)fluoranthene
Concen: 8.693 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	9.7	9.8	14.6

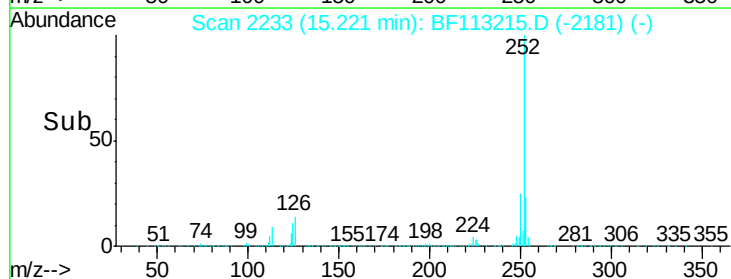
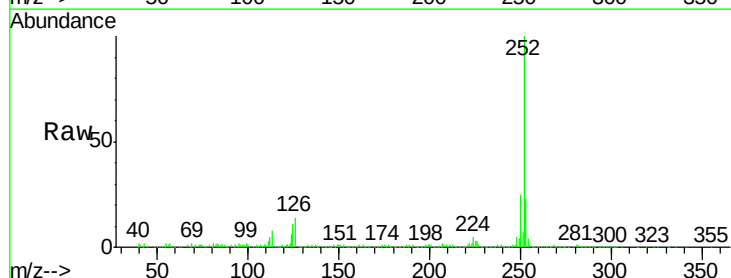
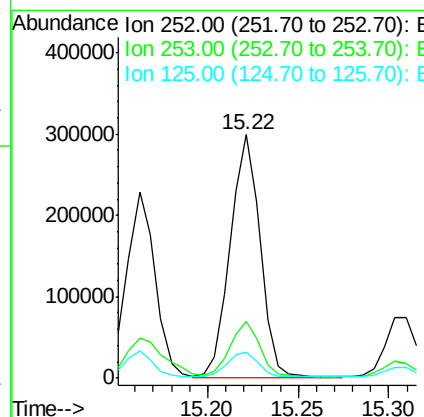
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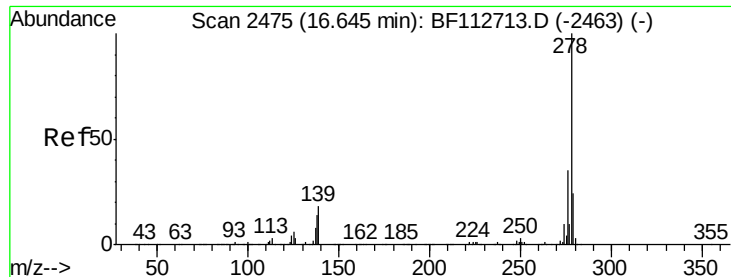
Sohil
3/22/2019 3:35:56 PM



#90
Benzo(a)pyrene
Concen: 19.878 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	10.8	10.7	16.1





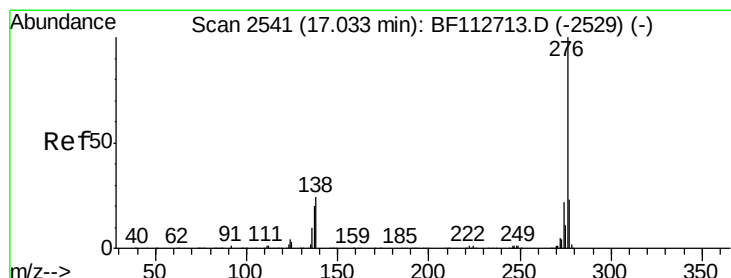
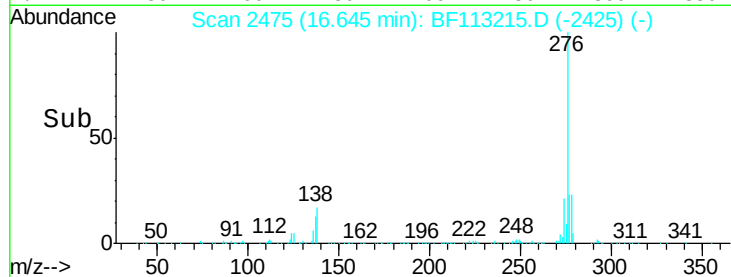
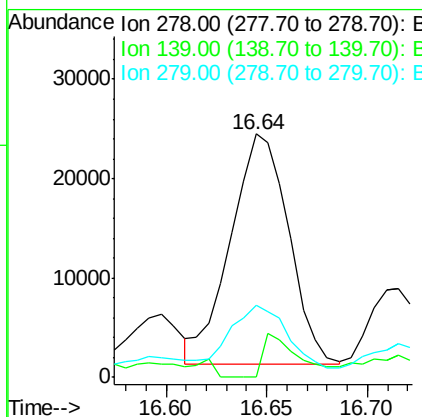
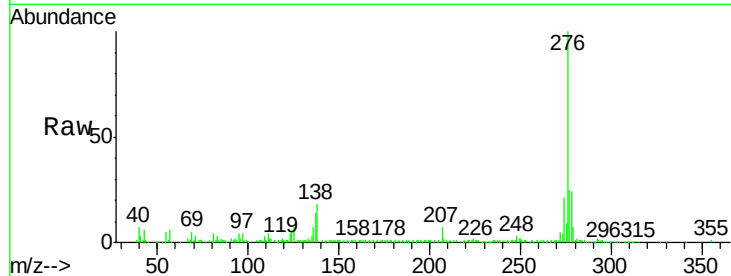
#91
Dibenzo(a,h)anthracene
Concen: 3.176 ng m
RT: 16.64 min Scan# 2475
Delta R.T. -0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.3	21.5#
279	29.5	19.4	29.0#

Manual Integrations
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3/22/2019 3:35:56 PM



#92
Benzo(g,h,i)perylene
Concen: 11.857 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF113215.D
Acq: 21 Mar 2019 18:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	27.8
138	19.5	19.4	29.0

