

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032919\
 Data File : BF113452.D
 Acq On : 30 Mar 2019 10:38
 Operator : JU/SJ
 Sample : K2153-17
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-9

Manual Integrations
 APPROVED

Sohil
 4/1/2019 5:46:46 PM

Quant Time: Apr 01 04:59:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	135903	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	502077	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	236720	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	445346	20.00	ng	0.00
76) Chrysene-d12	13.84	240	418254	20.00	ng	0.00
87) Perylene-d12	15.25	264	332791	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	616173	74.14	ng	0.00
7) Phenol-d6	6.36	99	1242514	118.17	ng	0.00
23) Nitrobenzene-d5	7.27	82	794043	93.87	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	108076	36.96	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1505774	103.55	ng	0.00
79) Terphenyl-d14	12.80	244	1590015	83.79	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.37	94	31698	2.641	ng	# 72
50) Dimethylphthalate	9.46	163	74694	4.258	ng	99
52) Acenaphthene	9.77	154	29293	2.113	ng	100
58) Fluorene	10.28	166	40159	2.481	ng	99
71) Phenanthrene	11.24	178	605947	27.399	ng	98
72) Anthracene	11.29	178	164906	7.341	ng	99
73) Carbazole	11.45	167	49278	2.299	ng	99
75) Fluoranthene	12.43	202	927889	37.113	ng	99
78) Pyrene	12.65	202	951674	32.835	ng	99
81) Benzo(a)anthracene	13.83	228	462924	19.336	ng	99
83) Chrysene	13.87	228	431572	17.747	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	329114	21.018	ng	99
86) Indeno(1,2,3-cd)pyrene	16.61	276	183772	8.805	ng	95
88) Benzo(b)fluoranthene	14.86	252	493497m	23.872	ng	
89) Benzo(k)fluoranthene	14.88	252	112812m	6.214	ng	
90) Benzo(a)pyrene	15.19	252	321035	17.517	ng	97
91) Dibenzo(a,h)anthracene	16.61	278	50537	3.189	ng	# 76
92) Benzo(g,h,i)perylene	17.02	276	177308	11.097	ng	98

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

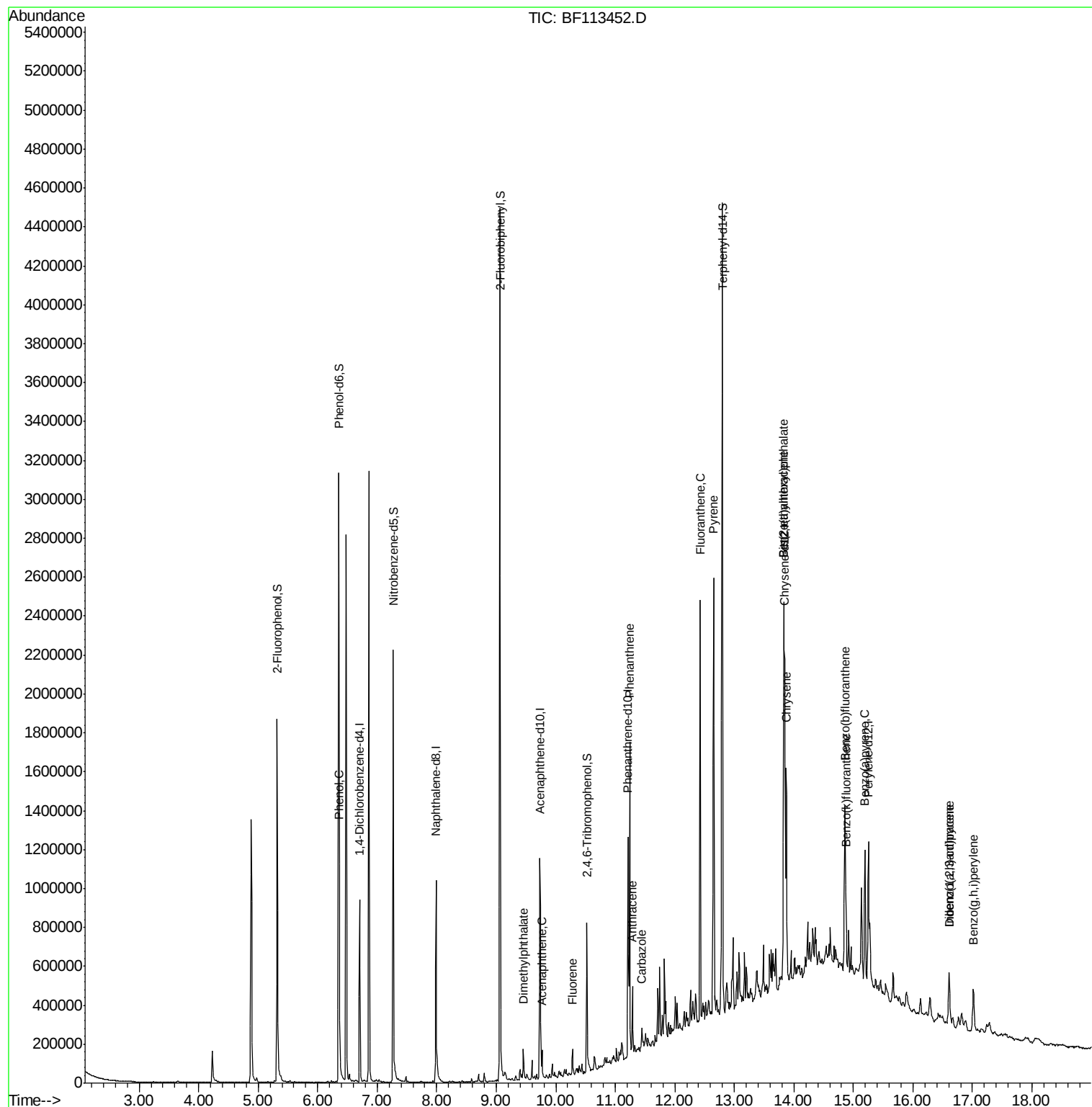
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032919\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

ClientSampleId :

CONC-9

Tot Ion:152 Resp: 135903

Ion Ratio Lower Upper

152 100

150 159.0 124.7 187.1

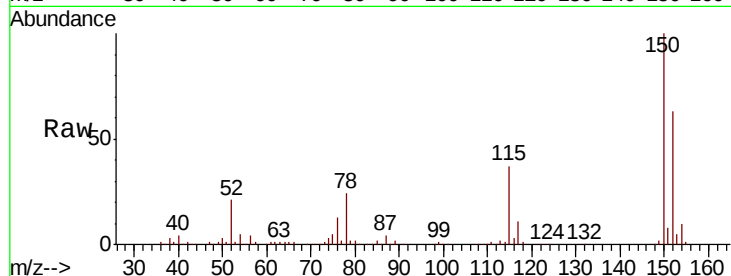
115 58.1 46.0 69.0

Manual Integrations

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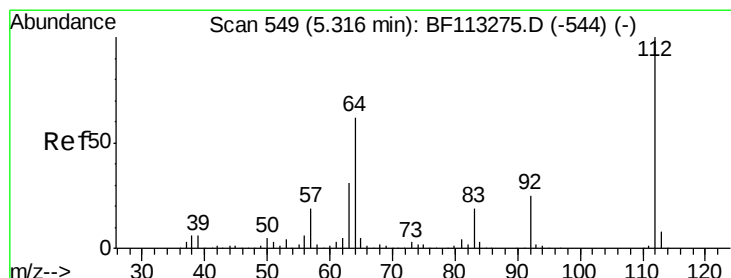
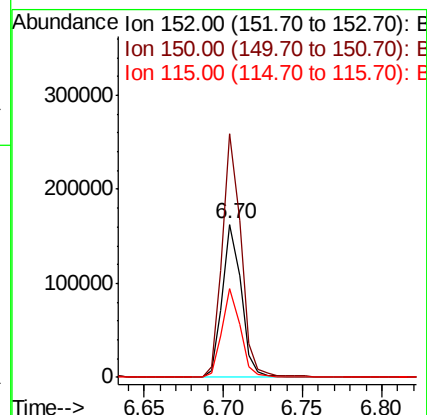
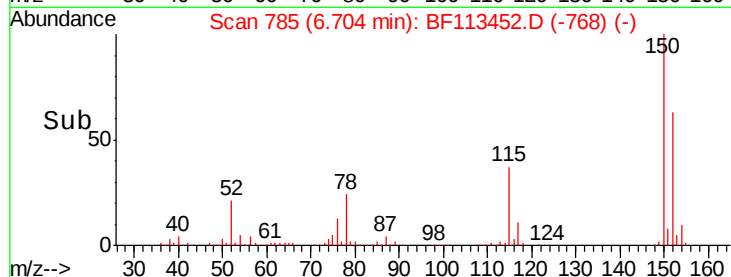
4/1/2019 5:46:46 PM



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: 74.135 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

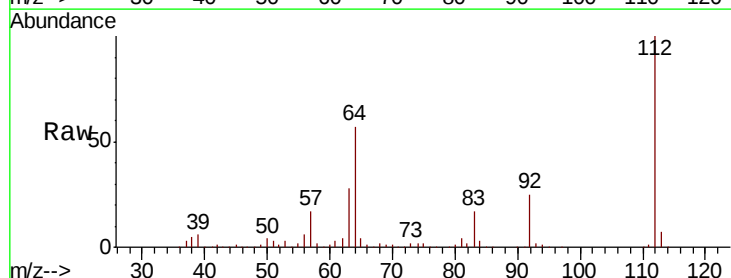
Tgt Ion:112 Resp: 616173

Ion Ratio Lower Upper

112 100

64 57.0 49.2 73.8

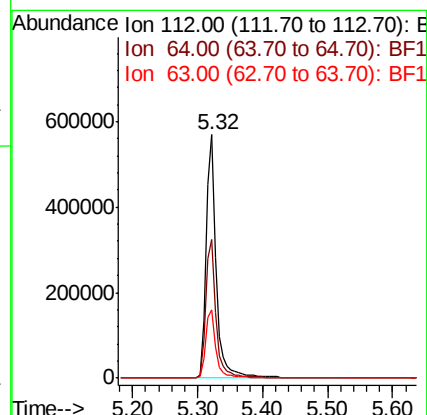
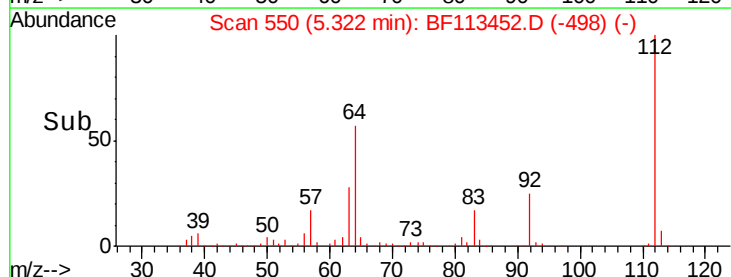
63 28.2 24.9 37.3



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: 118.172 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

ClientSampleId :

CONC-9

Tot Ion: 99 Resp: 1242514

Ion Ratio Lower Upper

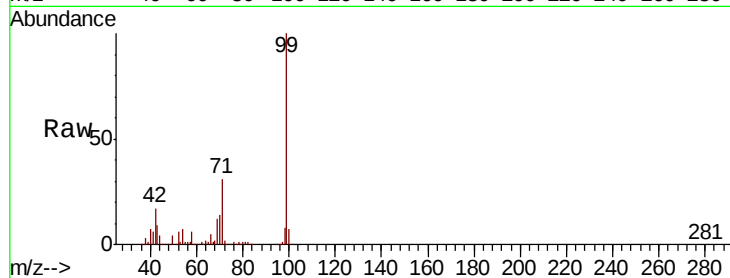
99 100

42 17.5 14.8 22.2

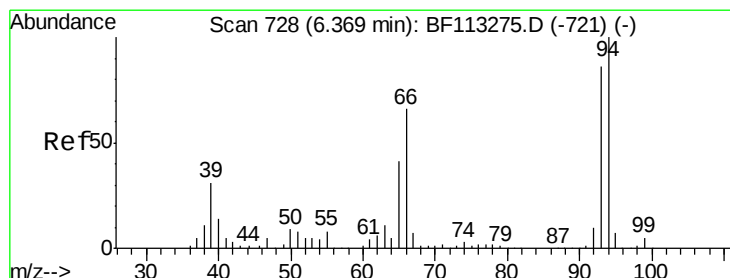
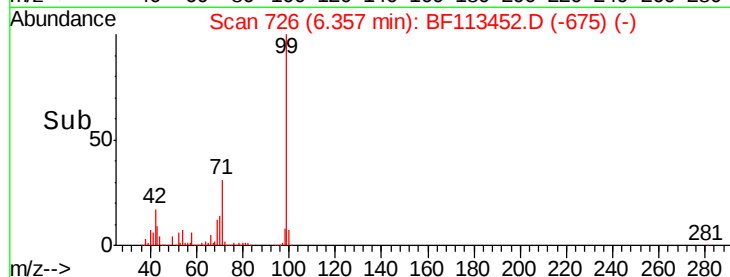
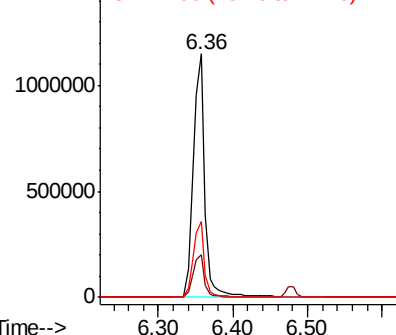
71 31.2 24.9 37.3

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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



#10

Phenol

Concen: 2.641 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

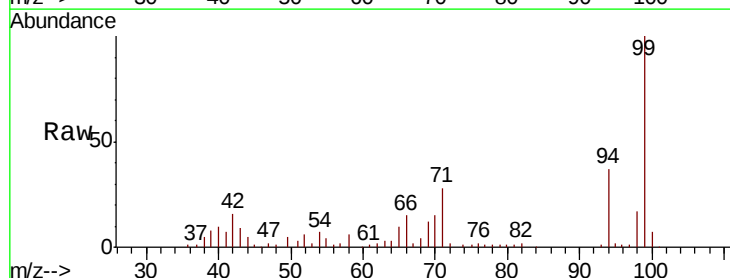
Tgt Ion: 94 Resp: 31698

Ion Ratio Lower Upper

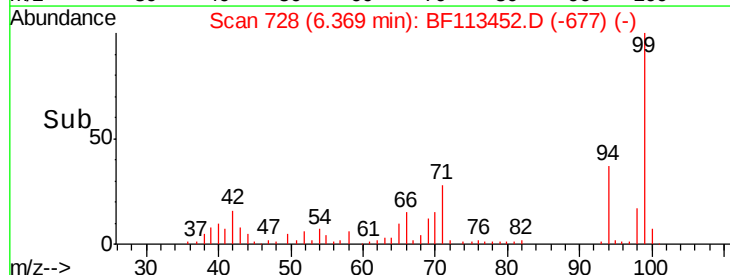
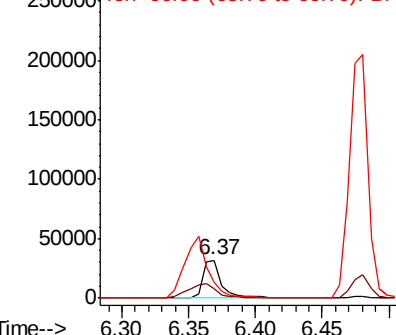
94 100

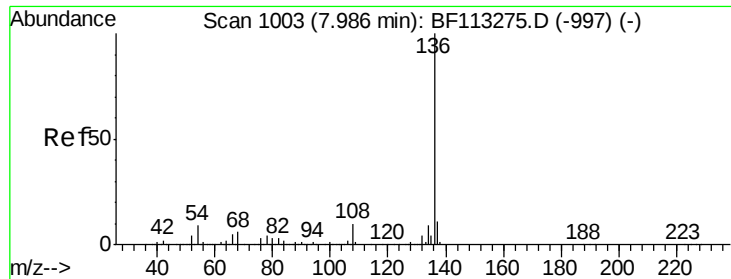
65 26.4 21.4 61.4

66 41.6 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





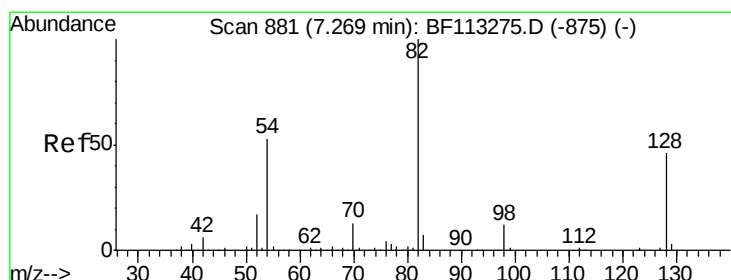
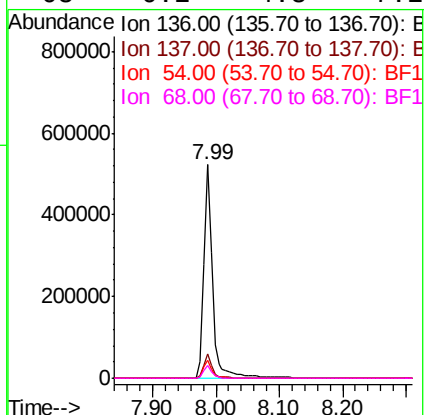
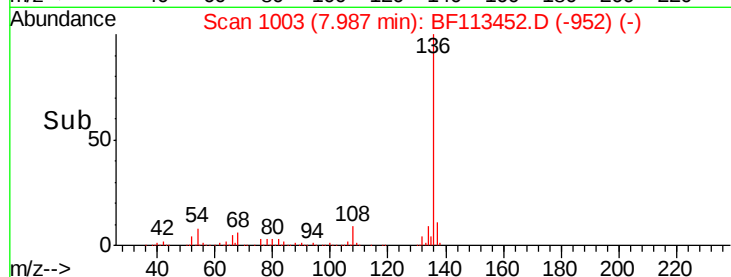
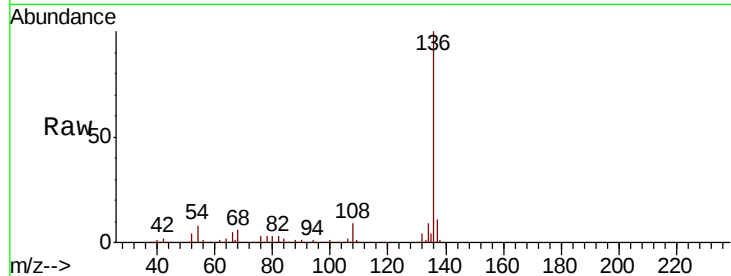
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Instrument :
BNA_F
ClientSampleId :
CONC-9

Tot Ion	Ratio	Resp	Lower	Upper
136	100	502077		
137	11.2	8.9	13.3	
54	8.2	7.0	10.6	
68	6.2	4.8	7.2	

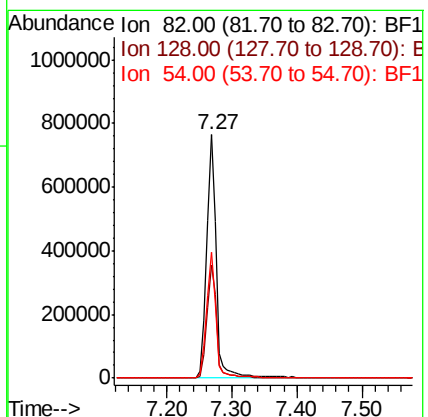
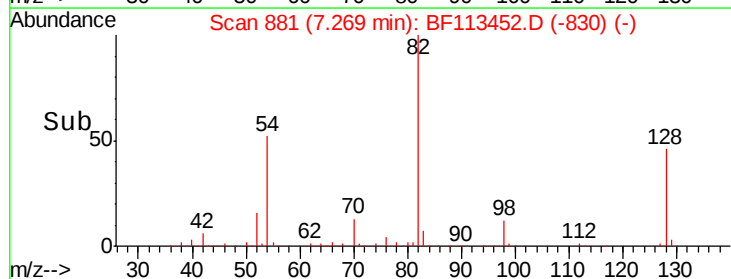
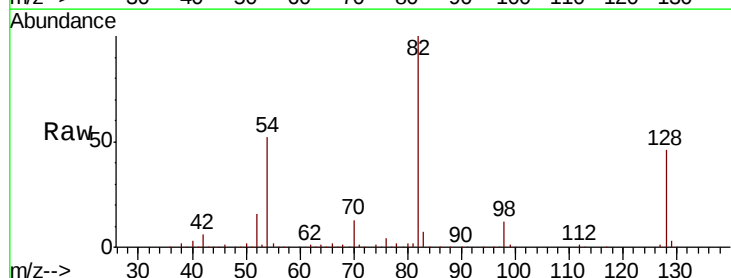
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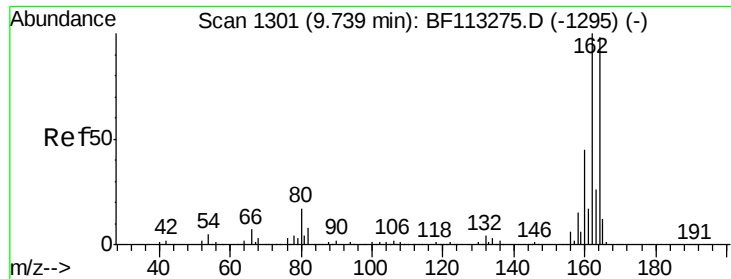
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#23
Nitrobenzene-d5
Concen: 93.869 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	794043		
128	46.4	36.5	54.7	
54	51.9	42.2	63.2	





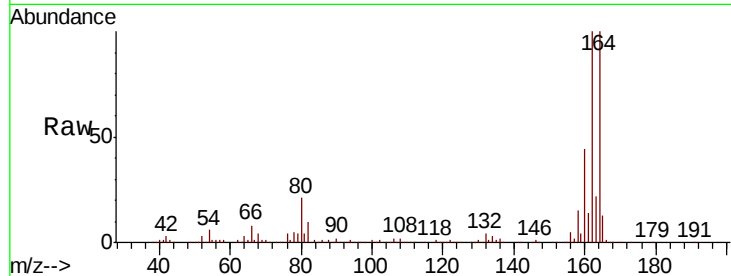
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Instrument :
BNA_F
ClientSampleId :
CONC-9

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.8	122.6
160	44.5	36.4	54.6

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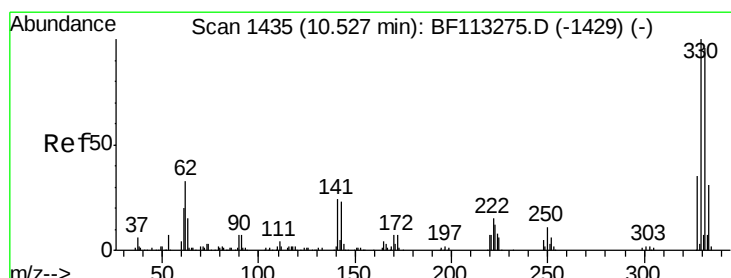
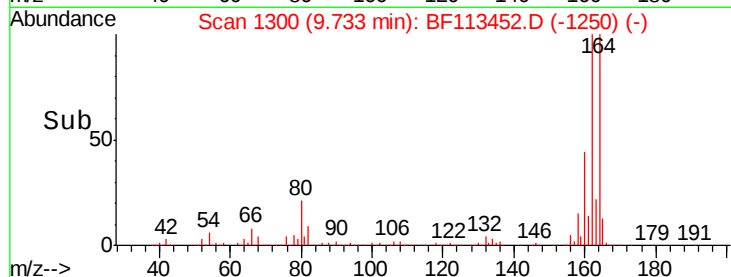
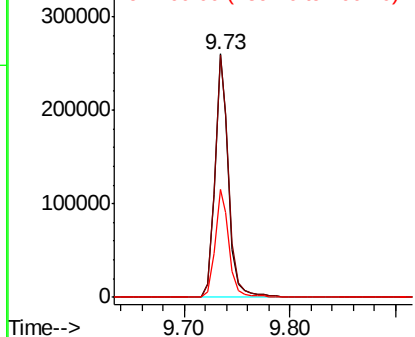


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 36.961 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

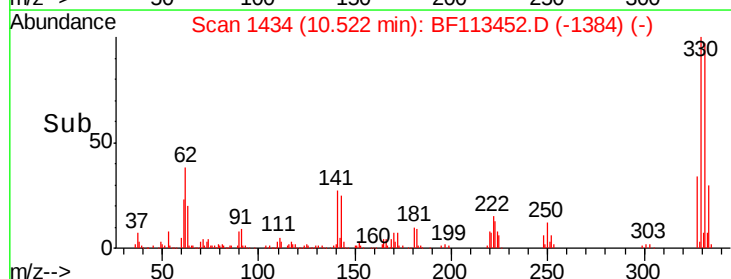
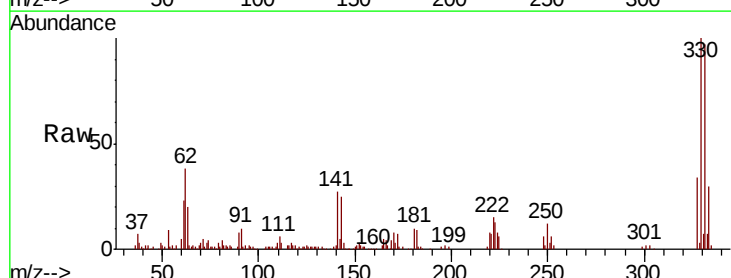
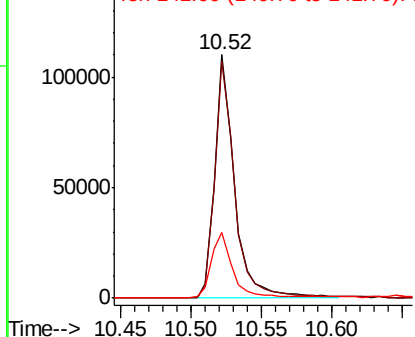
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.8	116.6
141	30.8	22.7	34.1

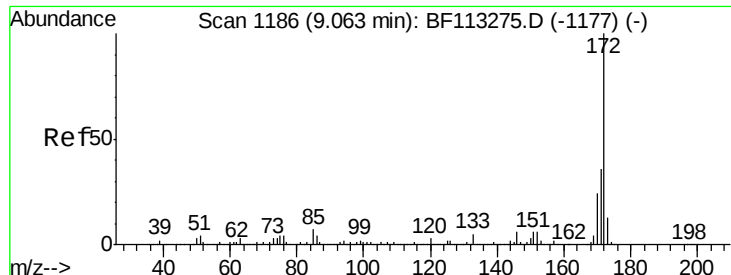
Abundance

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





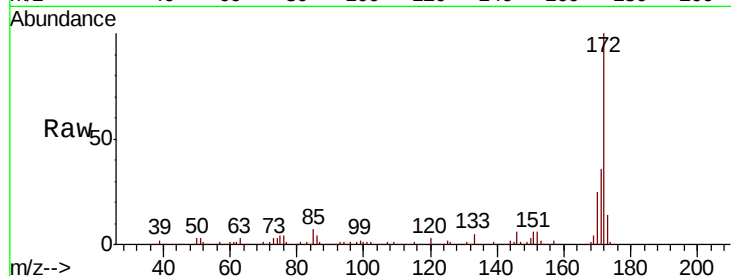
#45
2-Fluorobiphenyl
Concen: 103.548 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Instrument :
BNA_F
ClientSampleId :
CONC-9

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.8	19.5	29.3

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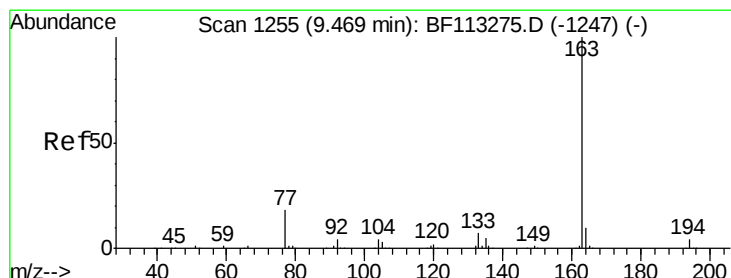
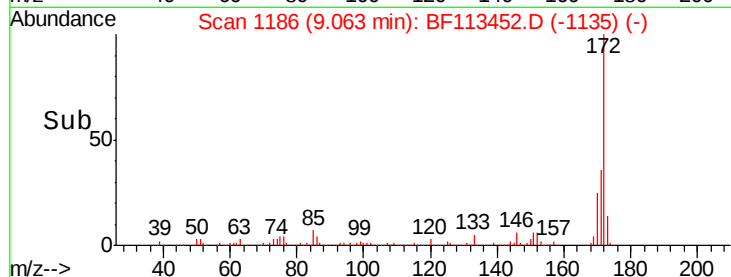
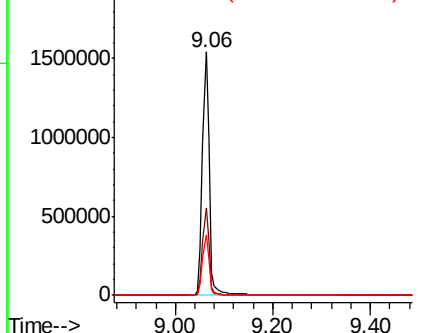


Abundance

Ion 172.00 (171.70 to 172.70): E

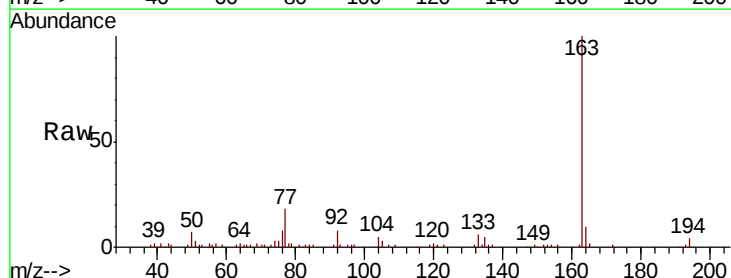
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.258 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	9.9	8.1	12.1

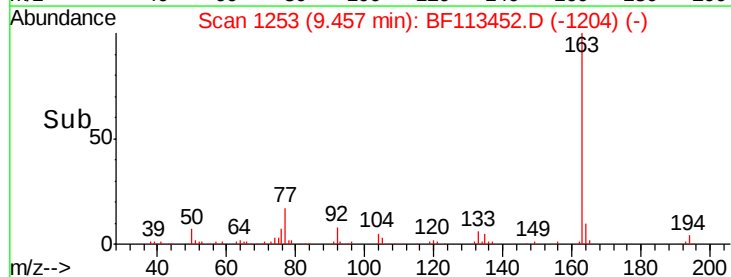
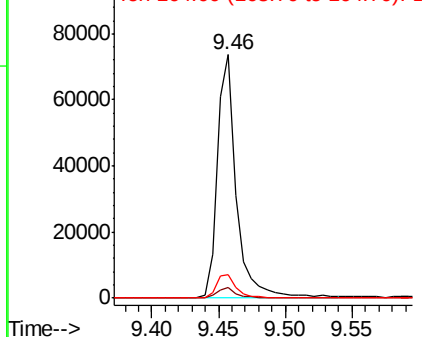


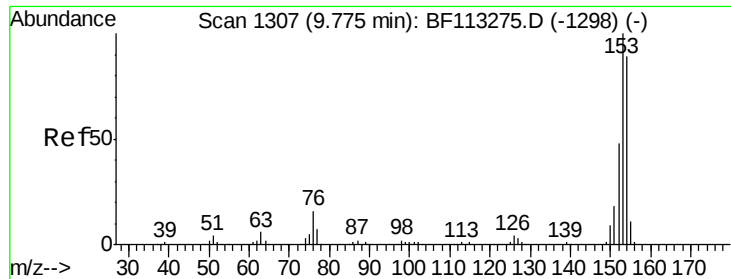
Abundance

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





#52

Acenaphthene

Concen: 2.113 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

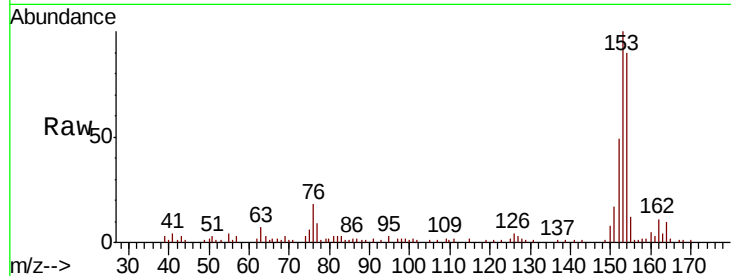
ClientSampleId :

CONC-9

Tot Ion:	154	Resp:	29293
Ion Ratio	Lower	Upper	
154	100		
153	111.5	89.5	134.3
152	54.6	43.3	64.9

Manual Integrations
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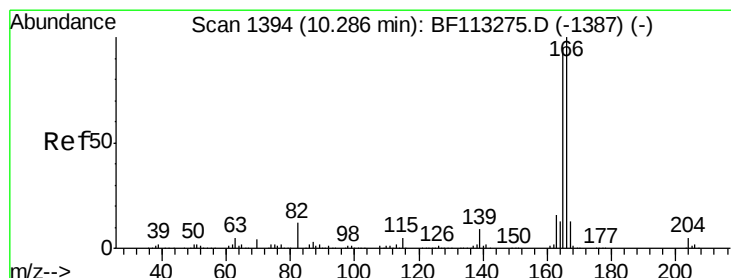
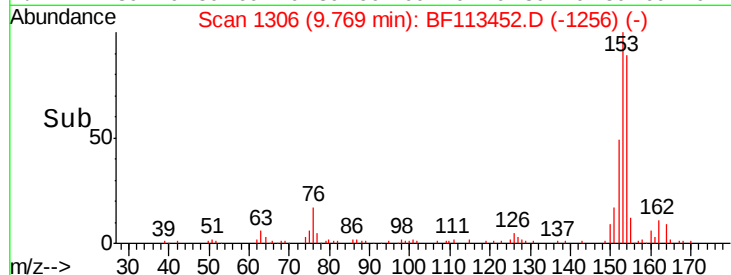
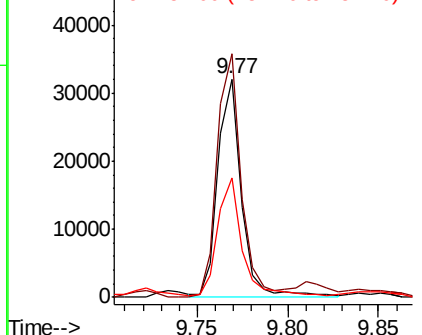


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.481 ng

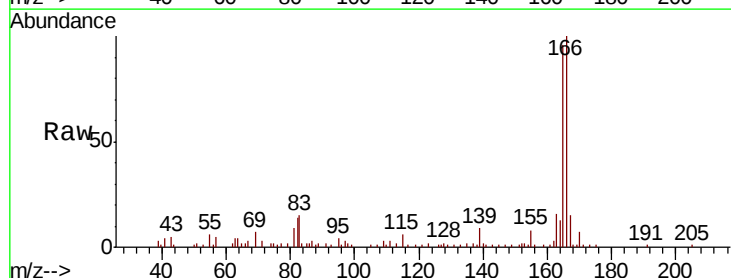
RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Tgt Ion:	166	Resp:	40159
Ion Ratio	Lower	Upper	
166	100		
165	95.5	76.2	114.2
167	15.3	10.7	16.1

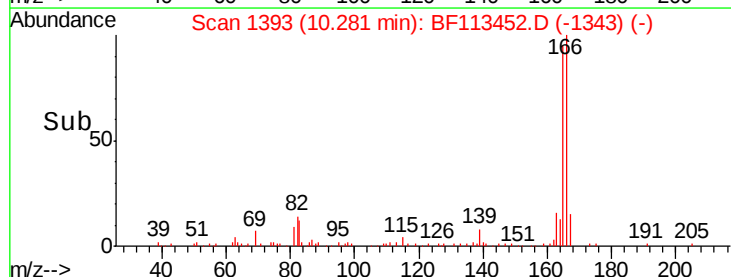
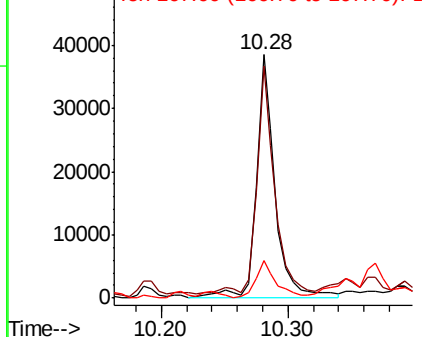


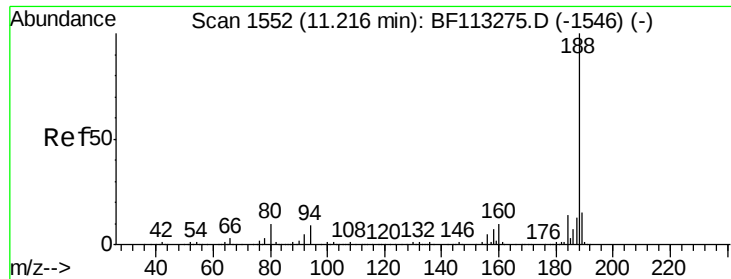
Abundance

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





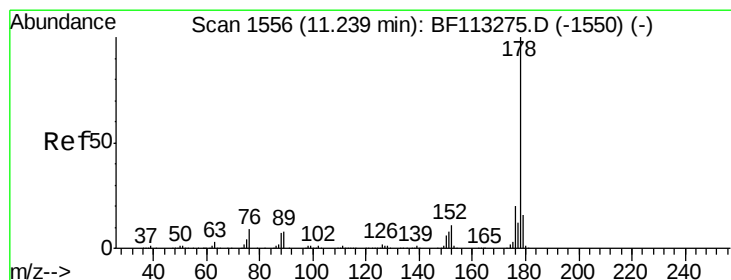
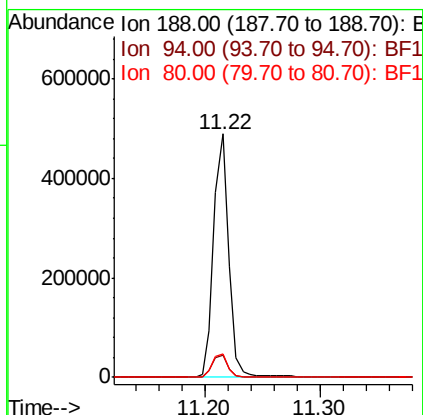
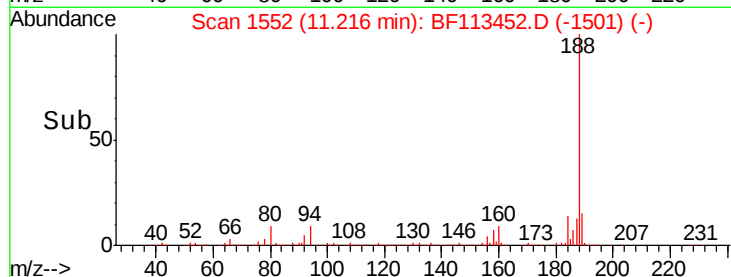
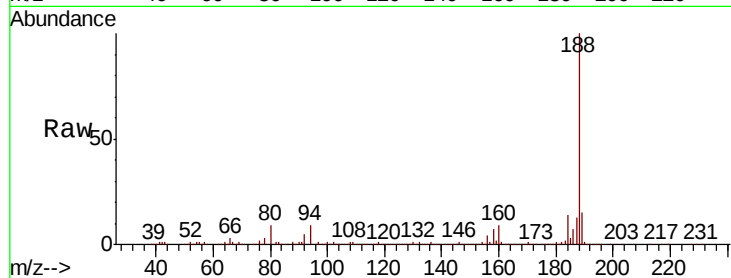
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Instrument :
BNA_F
ClientSampleId :
CONC-9

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.6
80	9.5	7.7	11.5

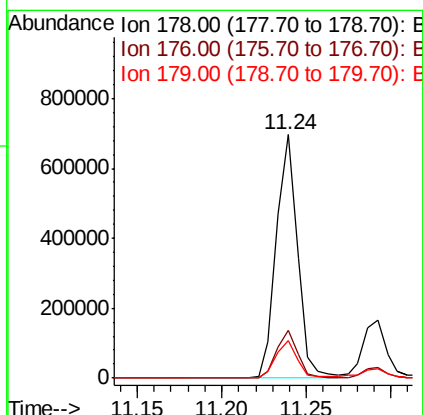
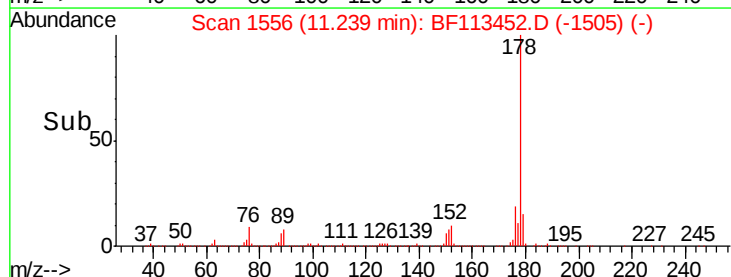
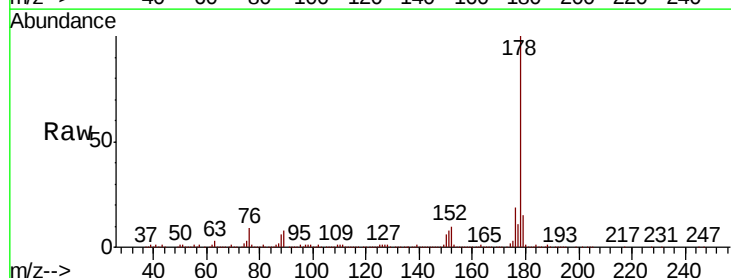
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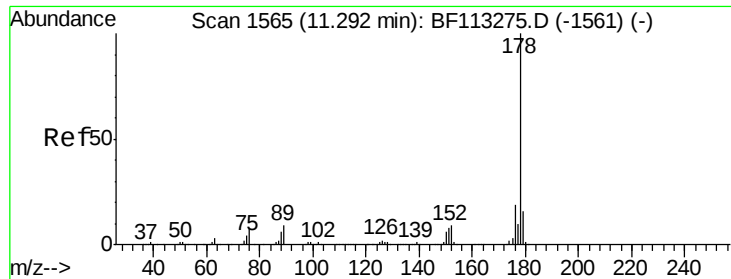
Sohil
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#71
Phenanthrene
Concen: 27.399 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.4	12.7	19.1





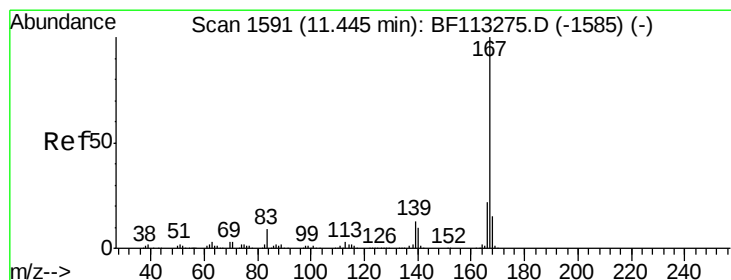
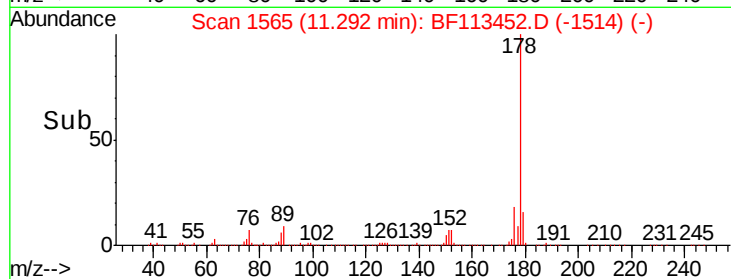
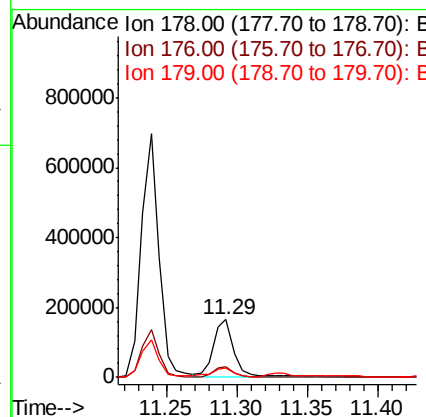
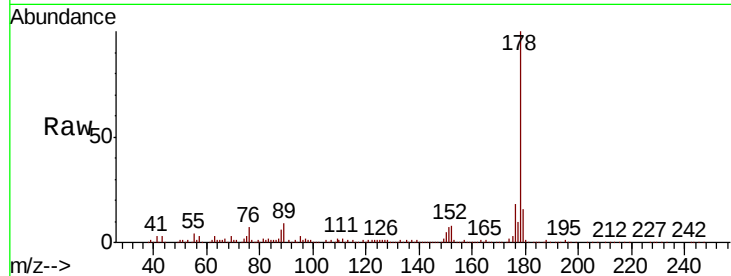
#72
 Anthracene
 Concen: 7.341 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF113452.D
 Acq: 30 Mar 2019 10:38

Instrument :
 BNA_F
 ClientSampled :
 CONC-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.1	12.8	19.2

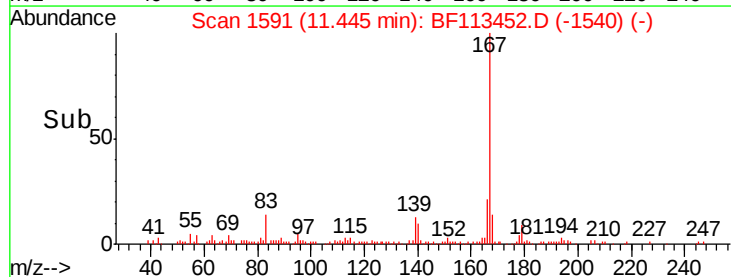
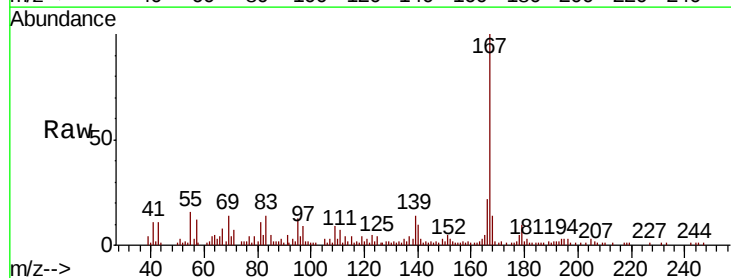
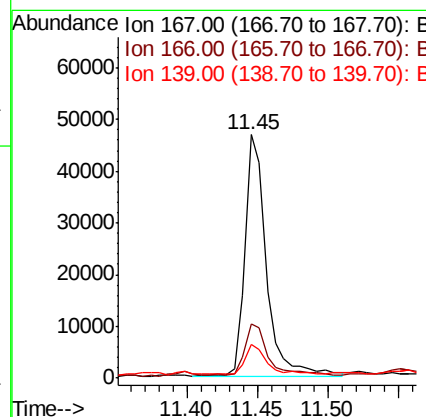
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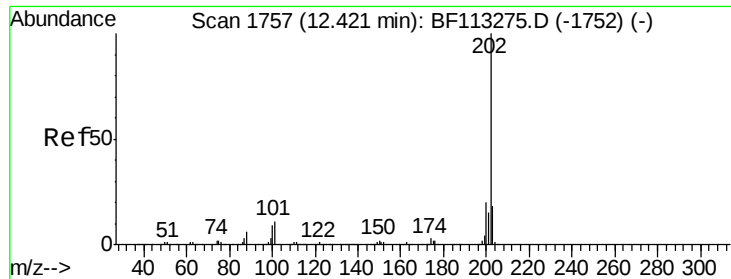
Sohil
 4/1/2019 5:46:46 PM



#73
 Carbazole
 Concen: 2.299 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF113452.D
 Acq: 30 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	13.8	10.4	15.6





#75

Fluoranthene

Concen: 37.113 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

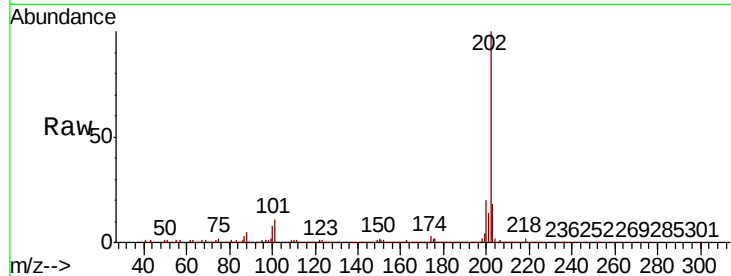
ClientSampled :

CONC-9

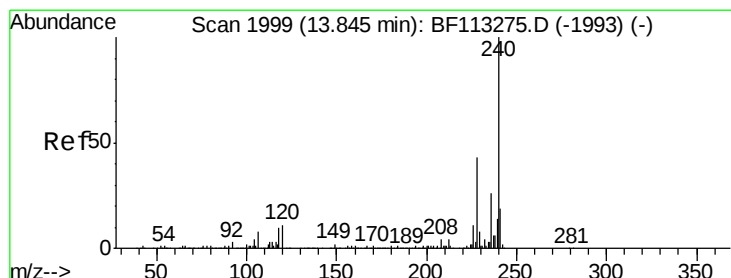
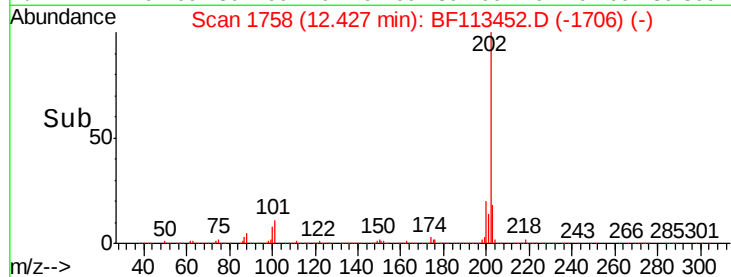
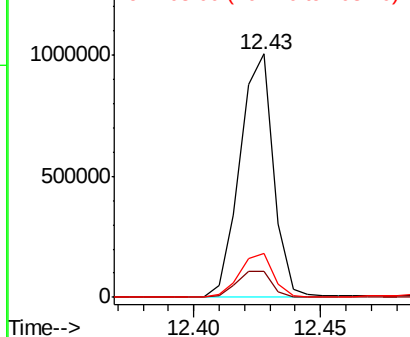
Tot Ion:	202	Resp:	927889
Ion Ratio		Lower	Upper
202	100		
101	10.6	0.0	31.4
203	18.2	0.0	38.0

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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: 13.84 min Scan# 1999

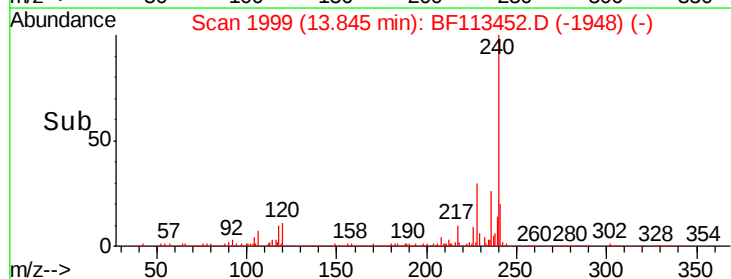
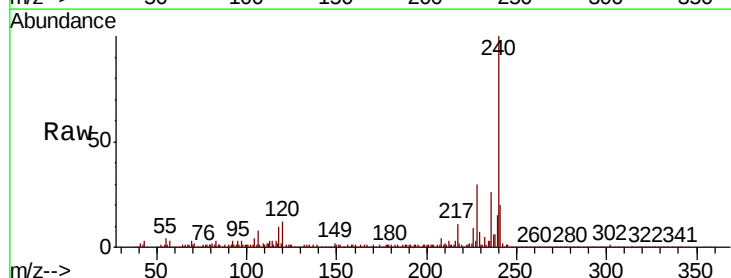
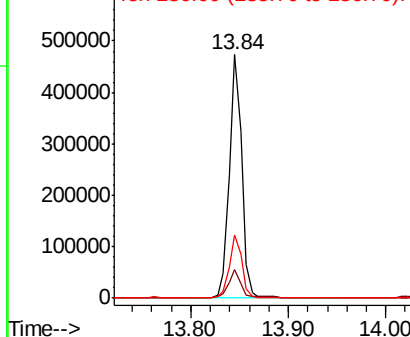
Delta R.T. 0.00 min

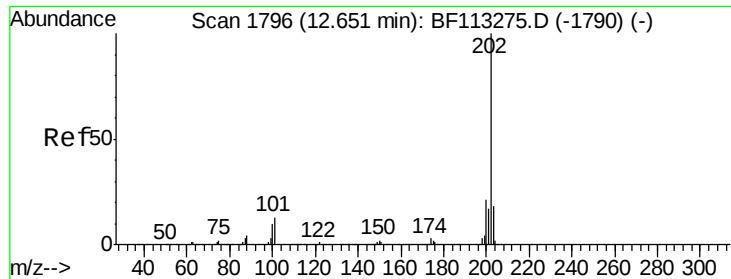
Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Tgt Ion:	240	Resp:	418254
Ion Ratio		Lower	Upper
240	100		
120	11.7	8.8	13.2
236	26.0	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: 32.835 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

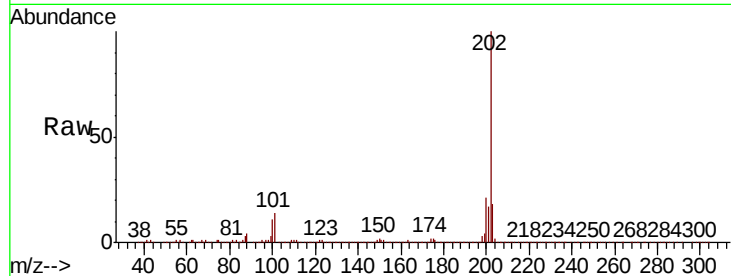
ClientSampled :

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Tot Ion:	202	Resp:	951674
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.8	25.2
203	18.4	14.4	21.6

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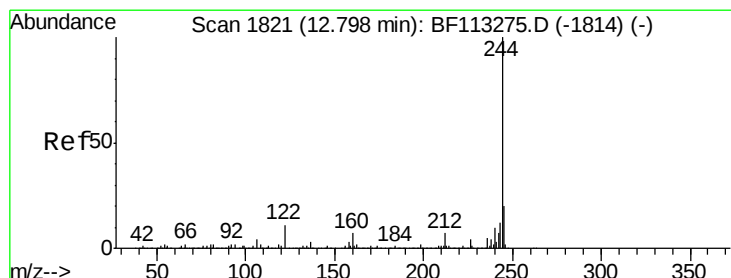
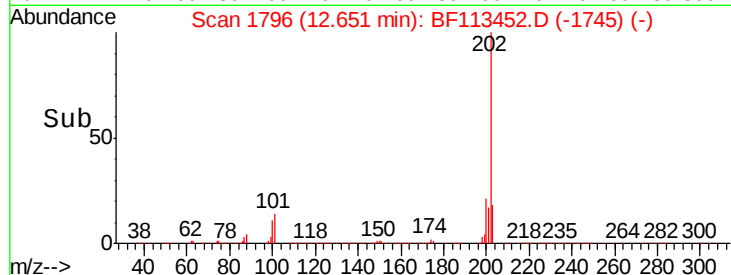
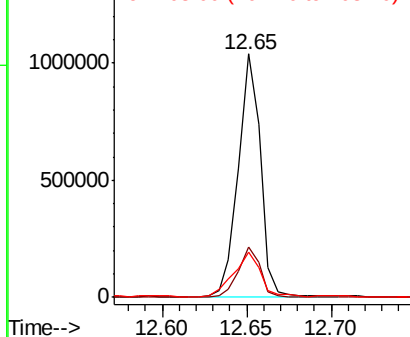


Abundance

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: 83.793 ng

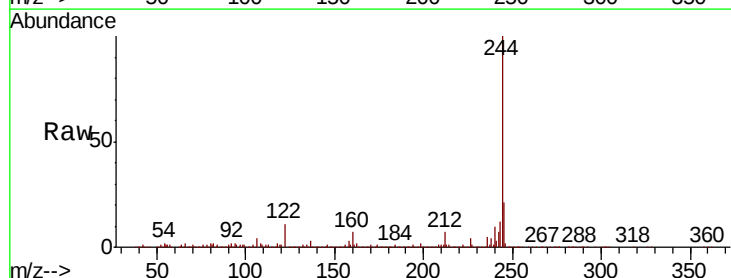
RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Tgt Ion:	244	Resp:	1590015
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.5	8.3
122	11.1	8.6	13.0

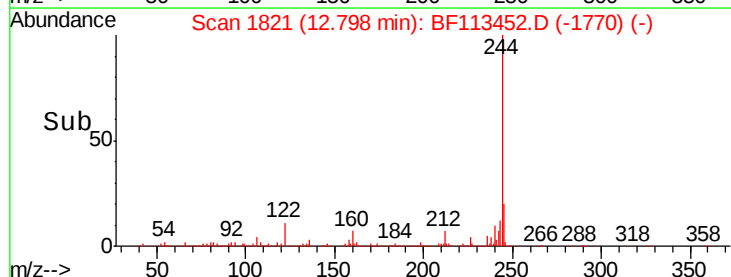
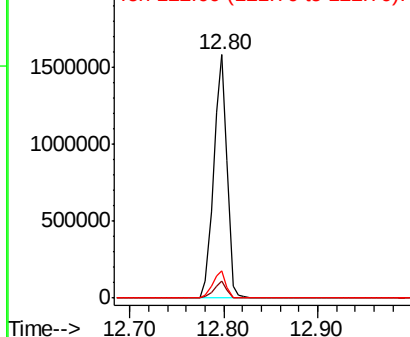


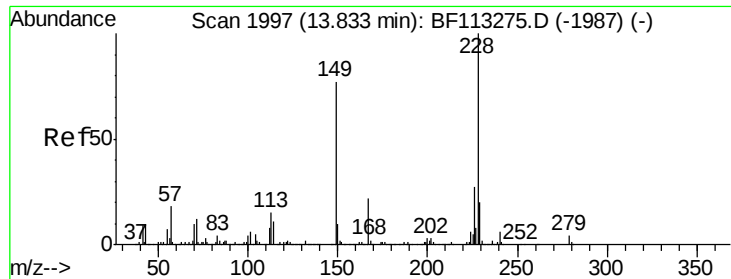
Abundance

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: 19.336 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

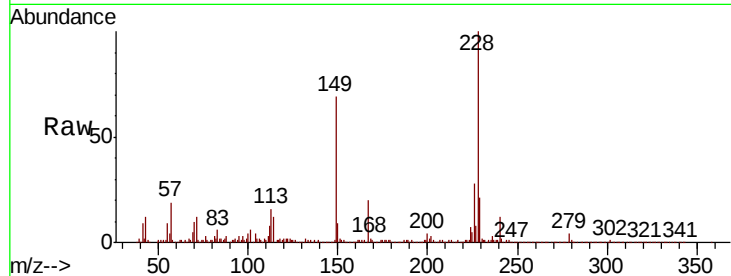
ClientSampled :

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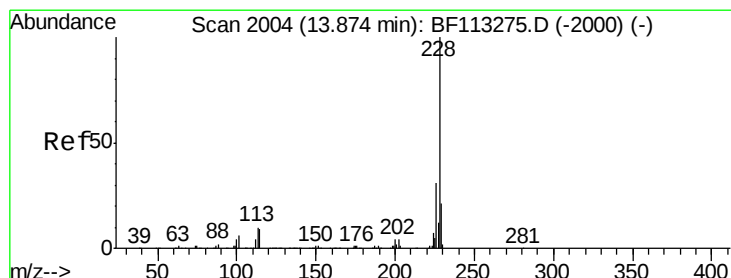
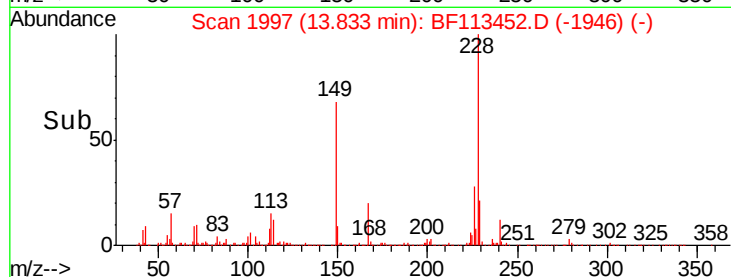
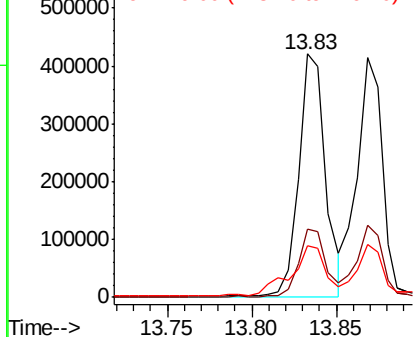
Tot Ion:	228	Resp:	462924
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.8	32.8
229	21.0	16.2	24.4

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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: 17.747 ng

RT: 13.87 min Scan# 2003

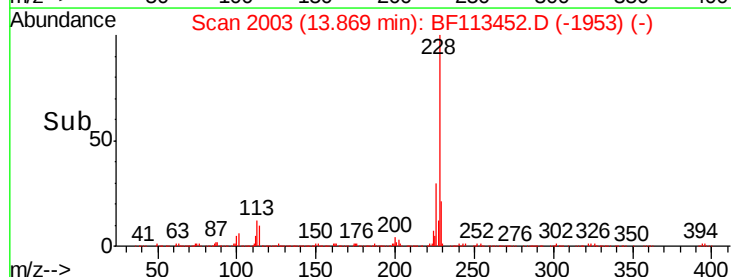
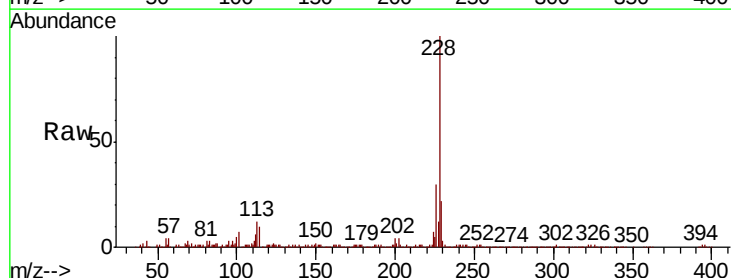
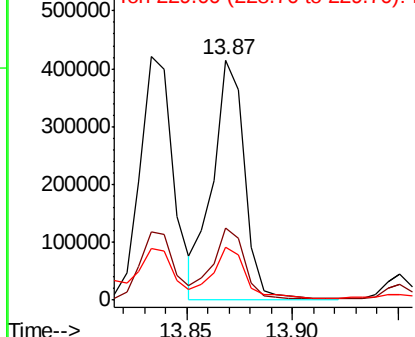
Delta R.T. -0.01 min

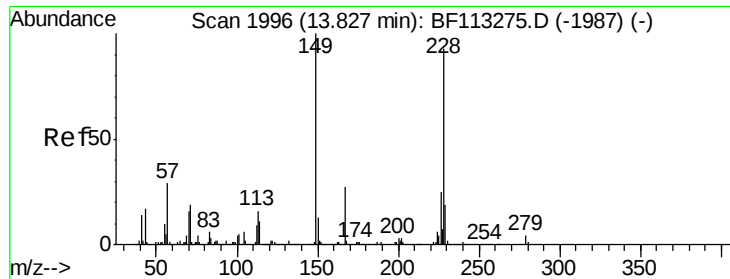
Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Tgt Ion:	228	Resp:	431572
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.3	36.5
229	22.0	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





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.018 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

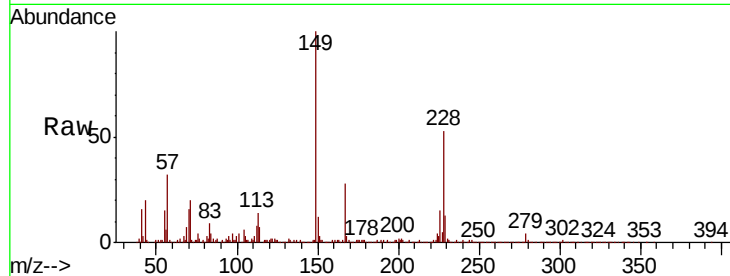
ClientSampled :

CONC-9

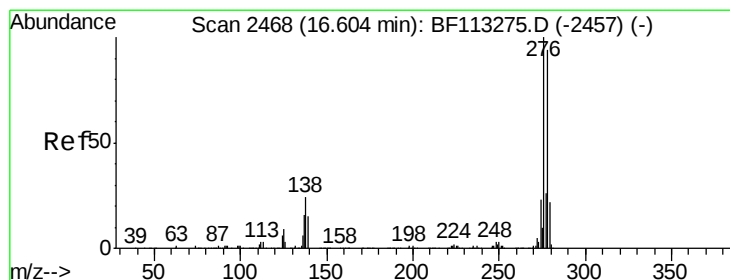
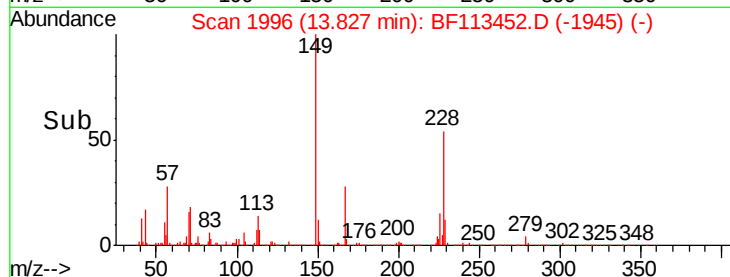
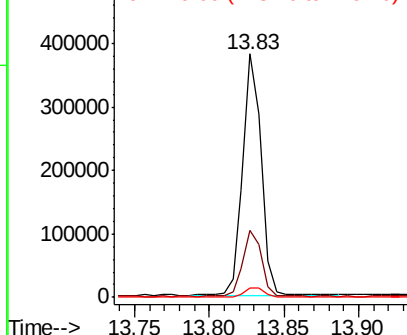
Tot Ion:	149	Resp:	329114
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.8	32.8
279	4.0	2.9	4.3

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.805 ng

RT: 16.61 min Scan# 2469

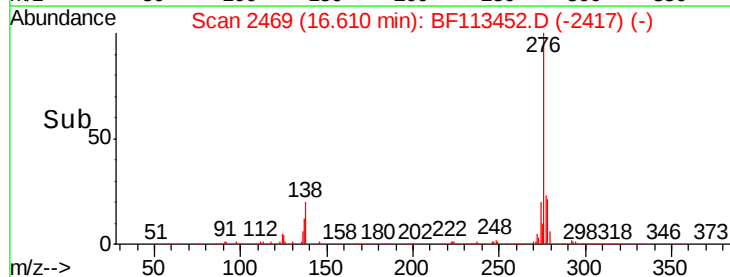
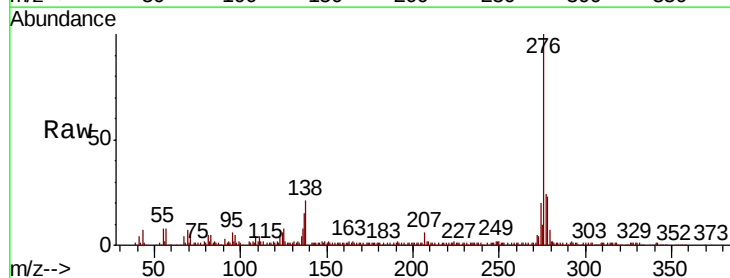
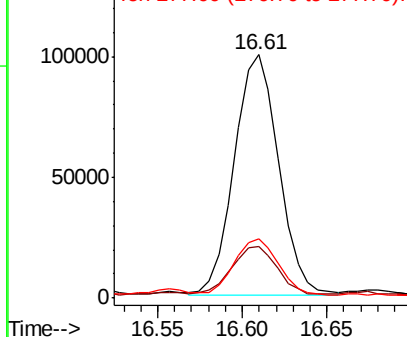
Delta R.T. 0.01 min

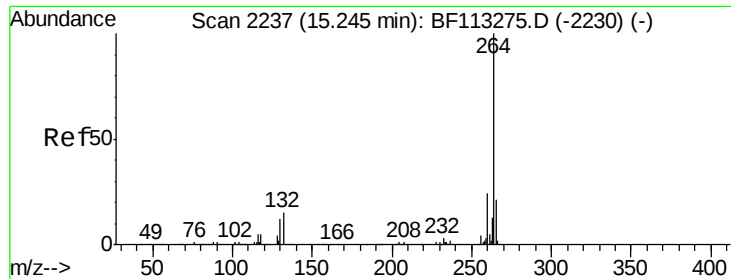
Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Tgt Ion:	276	Resp:	183772
Ion Ratio	Lower	Upper	
276	100		
138	20.9	18.1	27.1
277	22.6	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





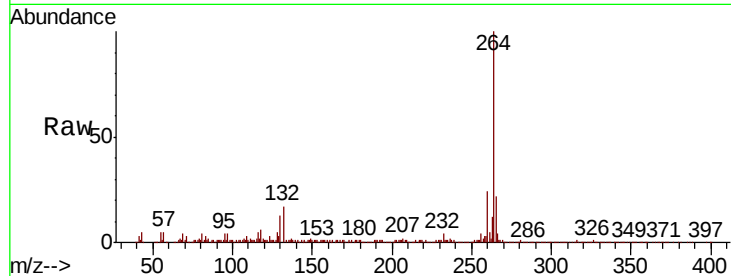
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Instrument :
BNA_F
ClientSampleId :
CONC-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	22.3	17.1	25.7

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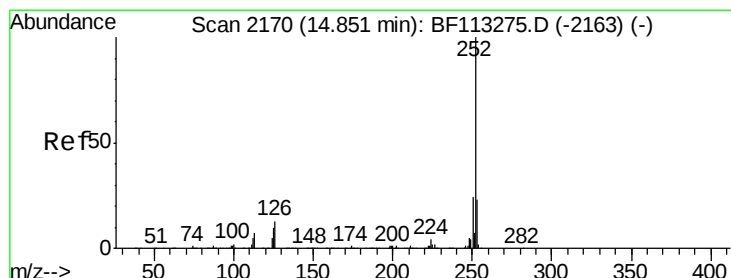
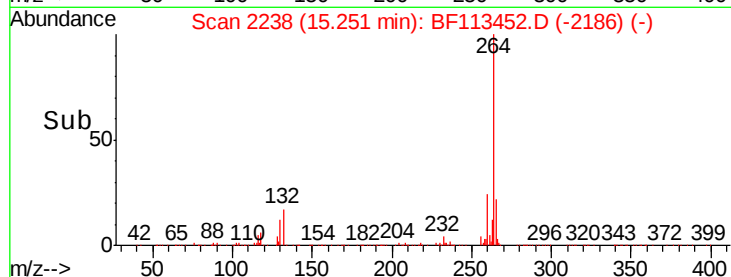
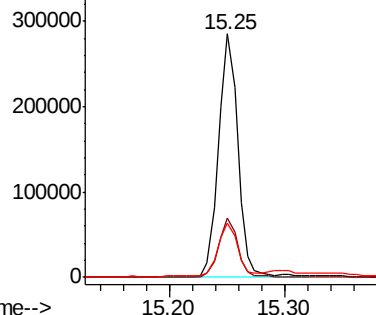


Abundance

Ion 264.00 (263.70 to 264.70): E

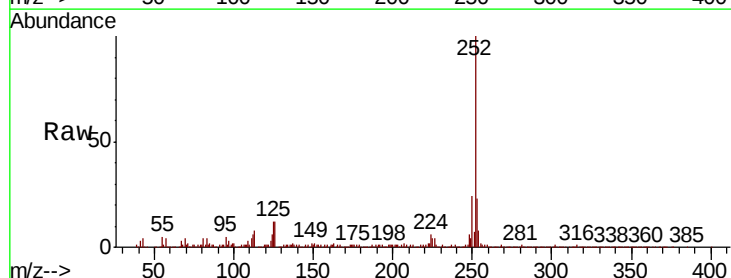
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 23.872 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.1	7.6	11.4

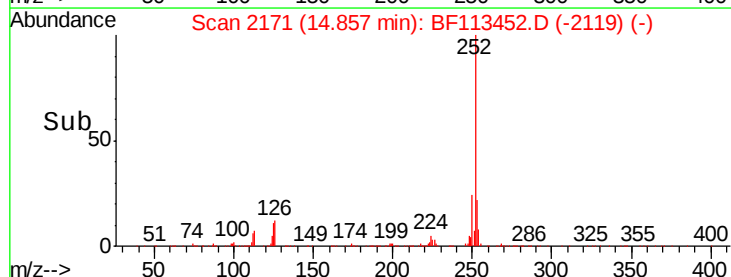
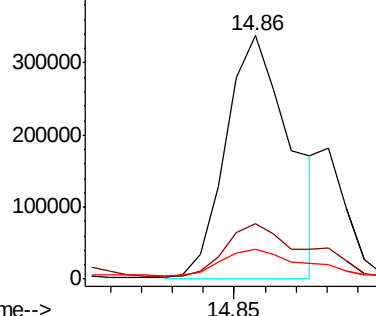


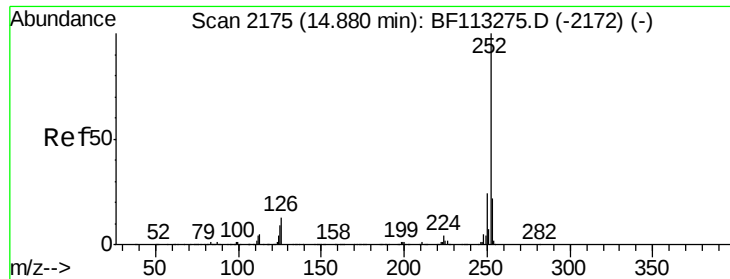
Abundance

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: 6.214 ng m

RT: 14.88 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Instrument :

BNA_F

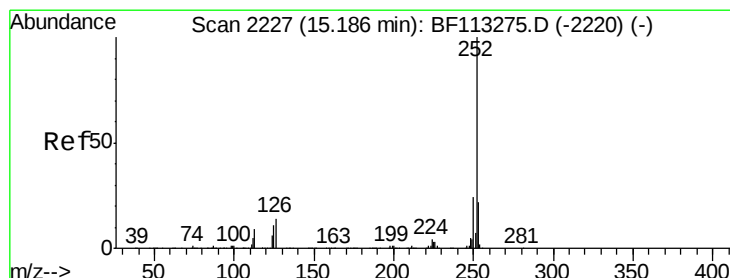
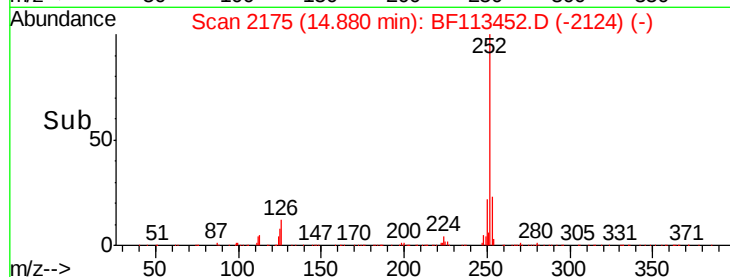
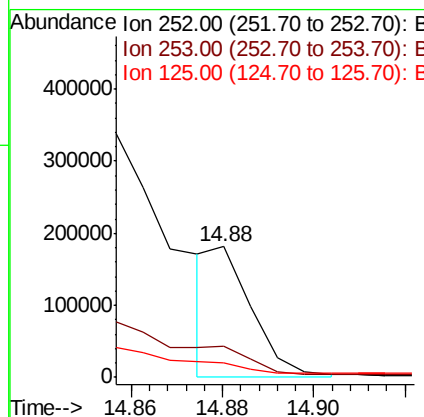
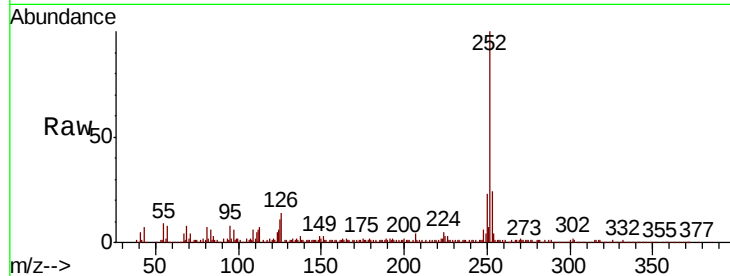
ClientSampled :

CONC-9

Tot Ion:	252	Resp:	112812
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.7	26.5
125	11.4	7.3	10.9#

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#90

Benzo(a)pyrene

Concen: 17.517 ng

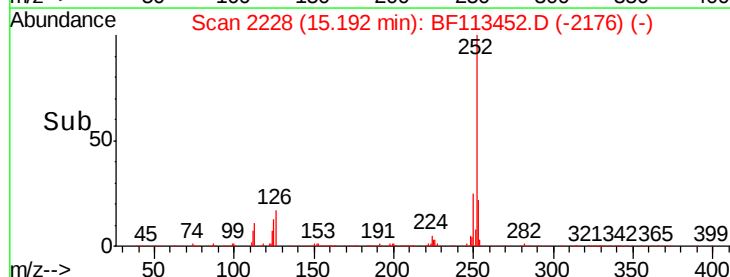
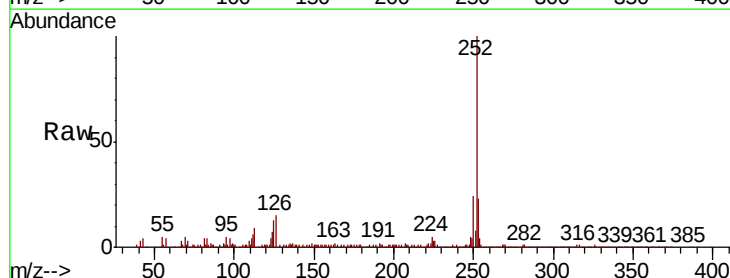
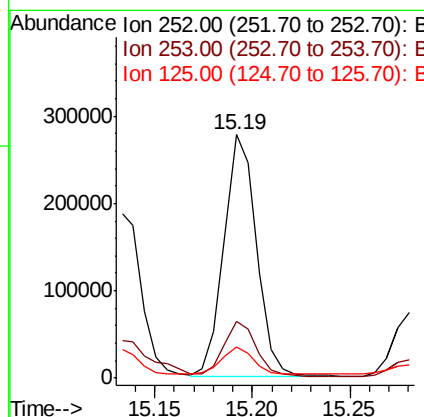
RT: 15.19 min Scan# 2228

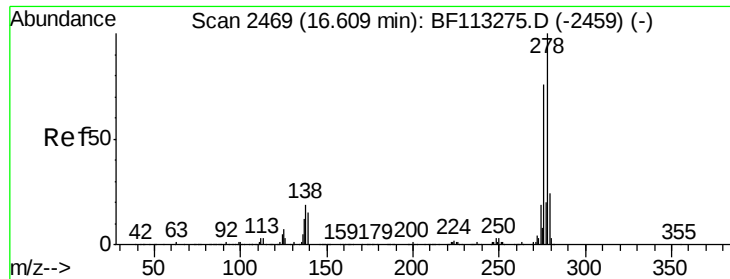
Delta R.T. 0.01 min

Lab File: BF113452.D

Acq: 30 Mar 2019 10:38

Tgt Ion:	252	Resp:	321035
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	12.7	8.8	13.2





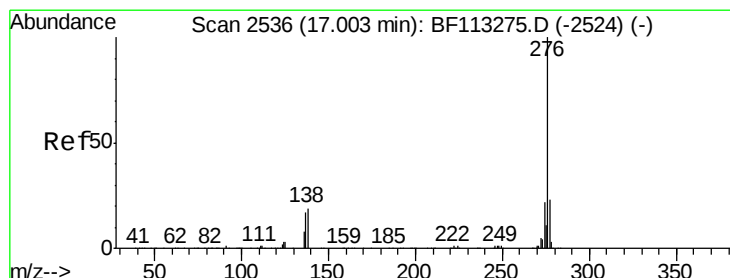
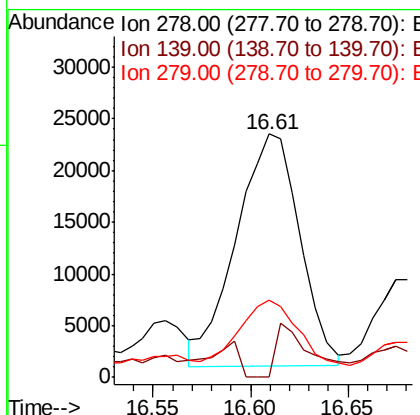
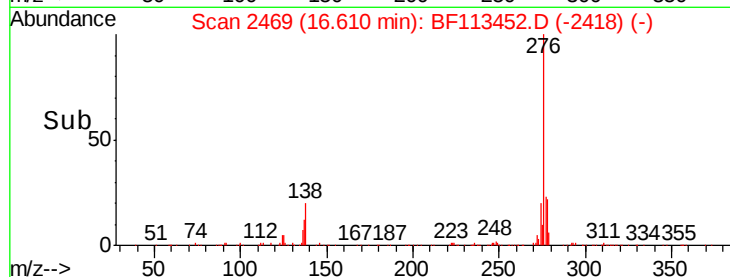
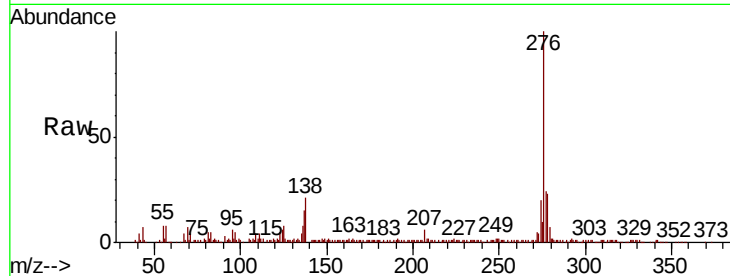
#91
Dibenzo(a,h)anthracene
Concen: 3.189 ng
RT: 16.61 min Scan# 2469
Delta R.T. 0.00 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Instrument :
BNA_F
ClientSampleId :
CONC-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	31.7	19.0	28.6#

Manual Integrations
APPROVED

Sohil
4/1/2019 5:46:46 PM



#92
Benzo(g,h,i)perylene
Concen: 11.097 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF113452.D
Acq: 30 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	21.0	15.6	23.4

