

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032919\
 Data File : BF113450.D
 Acq On : 30 Mar 2019 9:42
 Operator : JU/SJ
 Sample : K2153-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-3

Manual Integrations
 APPROVED

Sohil
 4/1/2019 5:46:44 PM

Quant Time: Apr 01 04:45:32 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	117765	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	444037	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	203184	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	382722	20.00	ng	0.00
76) Chrysene-d12	13.85	240	379722	20.00	ng	0.00
87) Perylene-d12	15.25	264	309200	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	524204	72.78	ng	0.00
7) Phenol-d6	6.35	99	903483	99.16	ng	0.00
23) Nitrobenzene-d5	7.27	82	535625	71.60	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	97820	38.98	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1062187	81.14	ng	0.00
79) Terphenyl-d14	12.79	244	1167789	67.79	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.45	163	54727	3.635	ng	98
52) Acenaphthene	9.76	154	43872	3.688	ng	97
55) Dibenzofuran	9.94	168	39517	2.209	ng	94
58) Fluorene	10.28	166	58235	4.191	ng	99
71) Phenanthrene	11.24	178	805919	42.403	ng	99
72) Anthracene	11.29	178	185073	9.587	ng	98
73) Carbazole	11.45	167	72922	3.959	ng	98
75) Fluoranthene	12.42	202	1169861	54.448	ng	99
78) Pyrene	12.65	202	1158591	44.030	ng	100
81) Benzo(a)anthracene	13.83	228	612097	28.161	ng	98
83) Chrysene	13.87	228	532302	24.110	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	122610	8.625	ng	99
86) Indeno(1,2,3-cd)pyrene	16.60	276	225582	11.906	ng	97
88) Benzo(b)fluoranthene	14.86	252	593308m	30.890	ng	
89) Benzo(k)fluoranthene	14.87	252	195975m	11.618	ng	
90) Benzo(a)pyrene	15.19	252	415679	24.411	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	62736	4.261	ng	# 78
92) Benzo(g,h,i)perylene	17.01	276	224250	15.106	ng	97

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

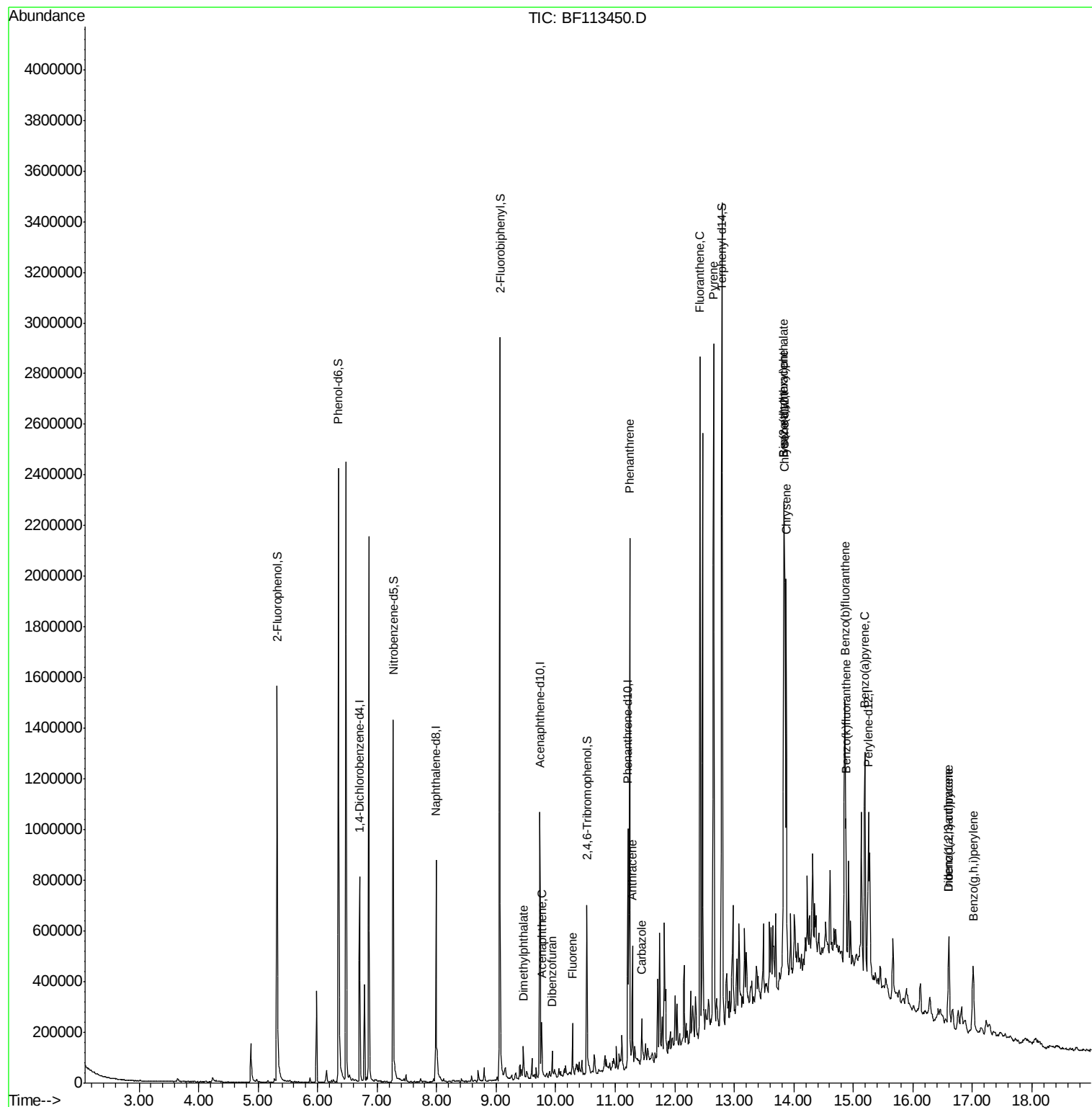
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032919\
Data File : BF113450.D
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Operator : JU/SJ
Sample : K2153-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

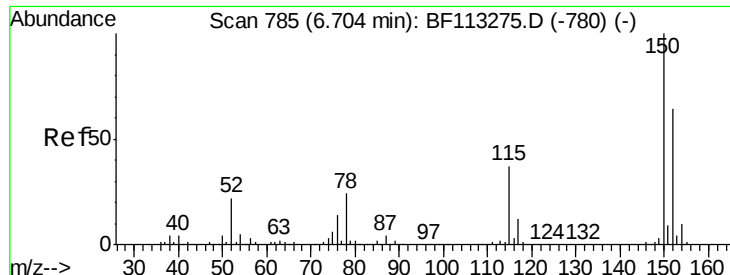
Instrument :
BNA_F
ClientSampleId :
CONC-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

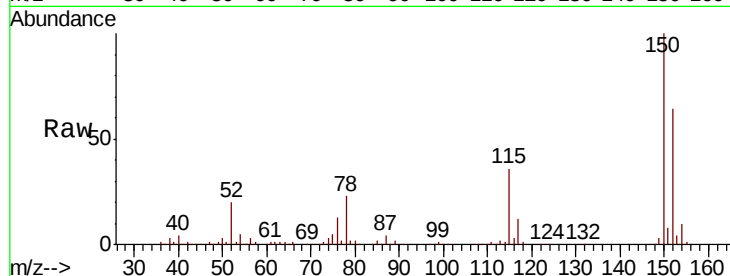
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Instrument :
BNA_F
ClientSampleId :
CONC-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.7	187.1
115	56.0	46.0	69.0

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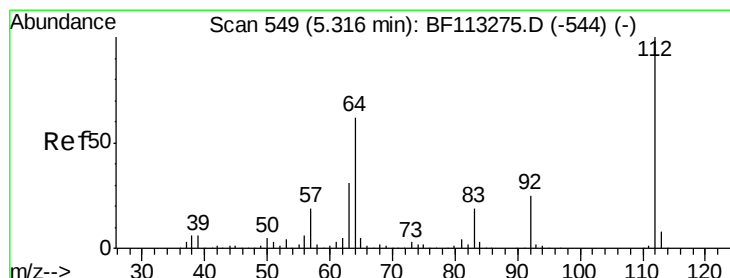
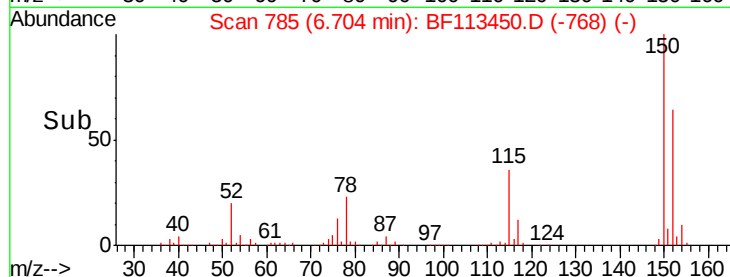
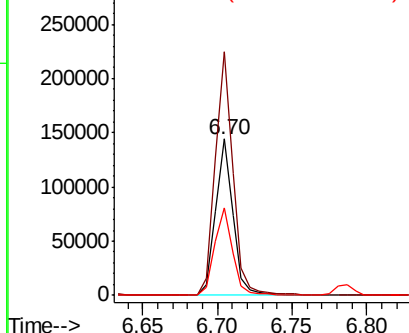


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

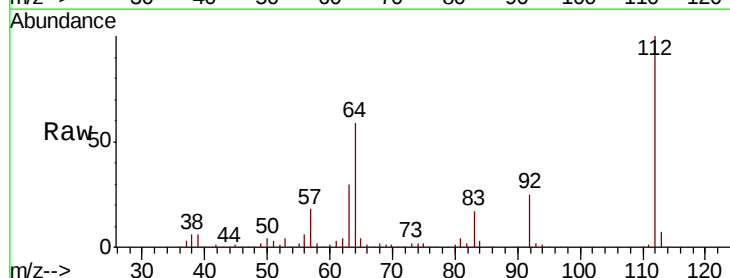
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.784 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.2	73.8
63	29.7	24.9	37.3

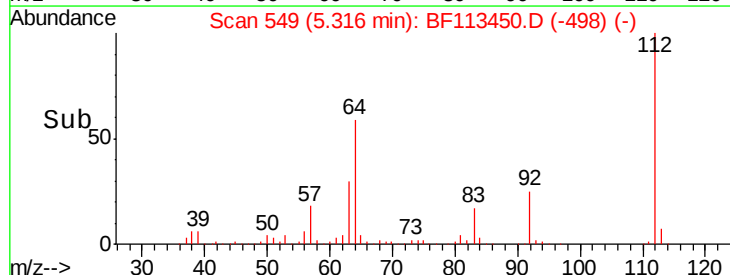
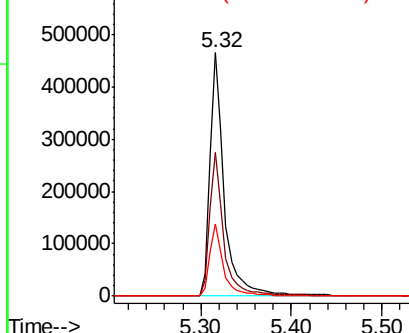


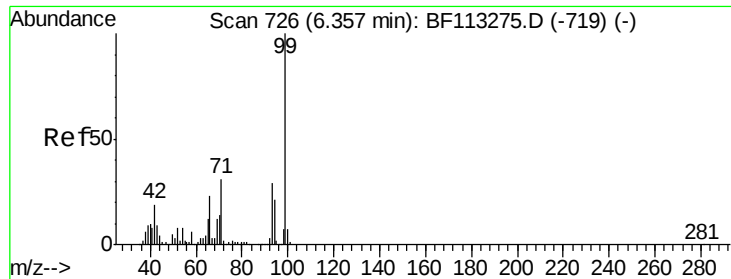
Abundance

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: 99.162 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

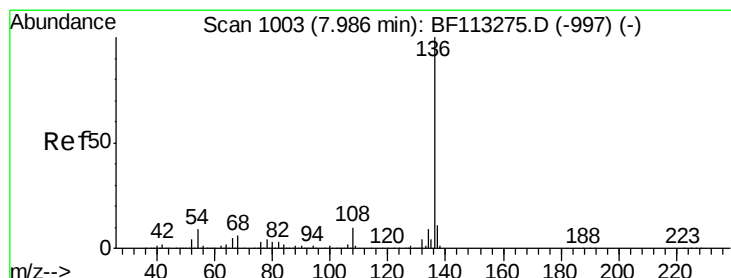
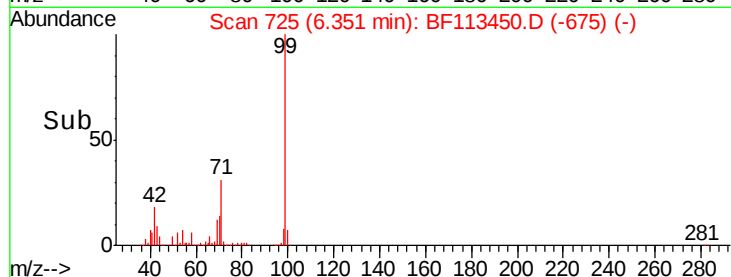
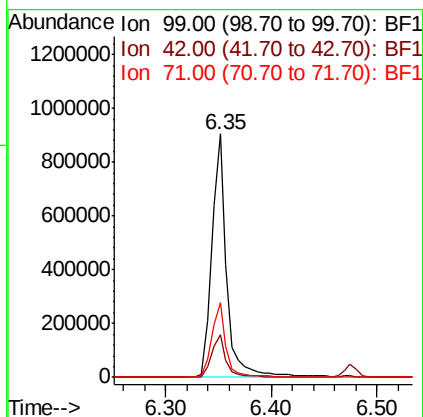
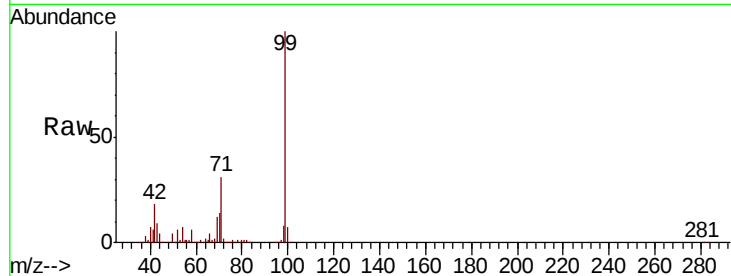
ClientSampleId :

CONC-3

Tot Ion:	99	Resp:	903483
Ion Ratio	Lower	Upper	
99	100		
42	17.6	14.8	22.2
71	30.6	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

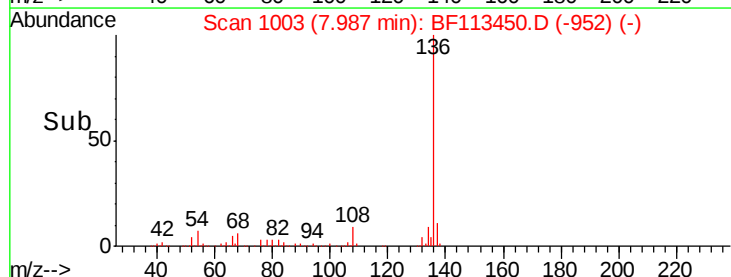
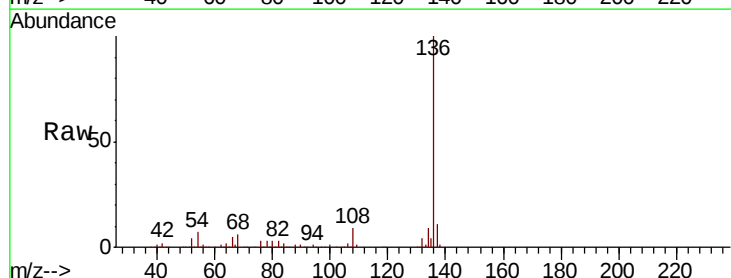
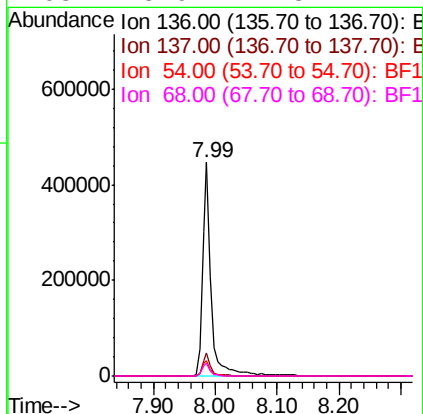
RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Tgt Ion:	136	Resp:	444037
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.3	7.0	10.6
68	5.9	4.8	7.2





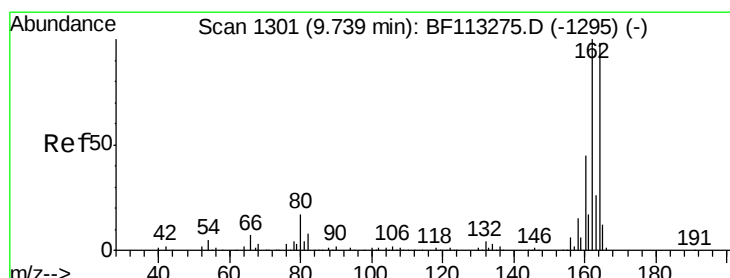
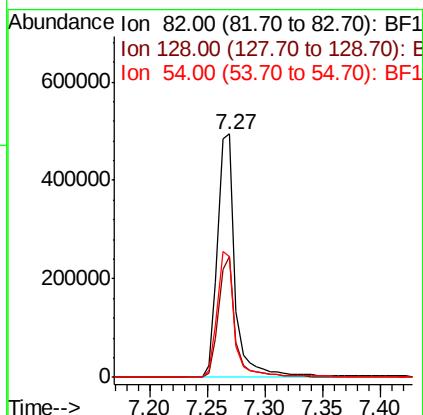
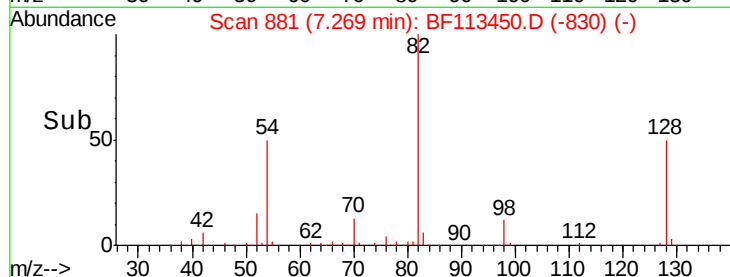
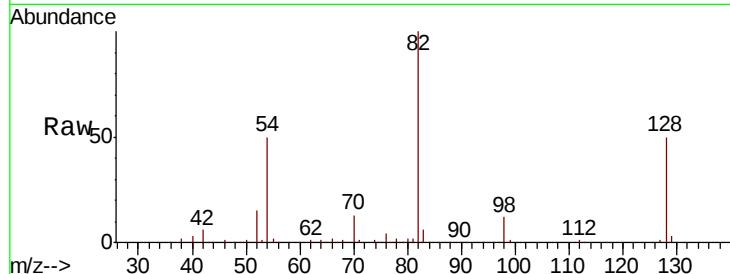
#23
Nitrobenzene-d5
Concen: 71.597 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Instrument :
BNA_F
ClientSampled :
CONC-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	36.5	54.7
54	49.6	42.2	63.2

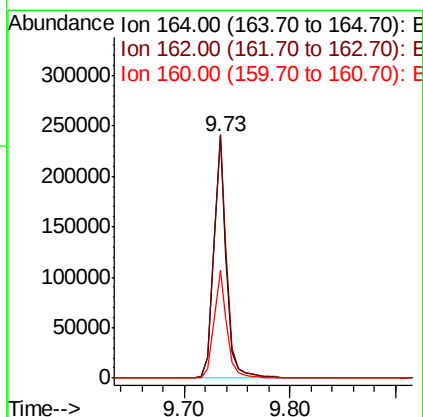
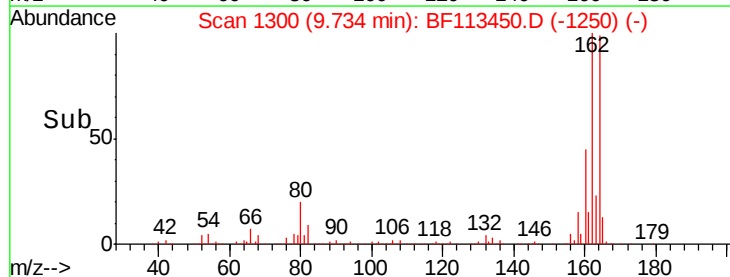
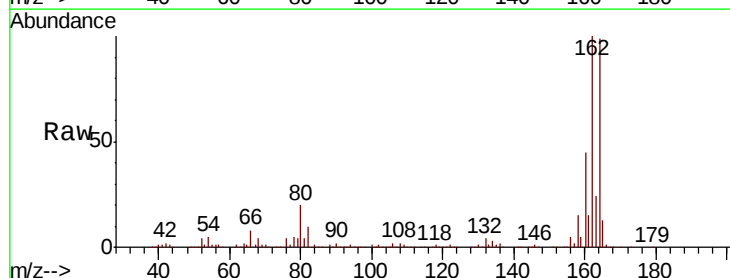
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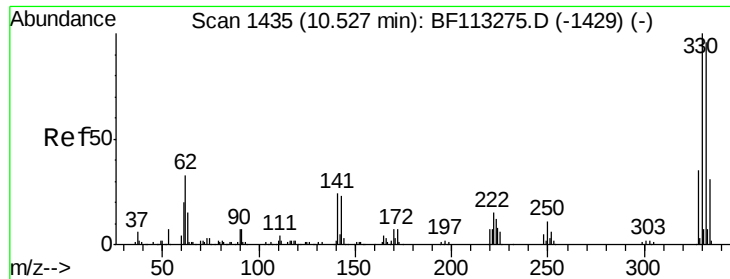
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.6
160	44.9	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 38.975 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

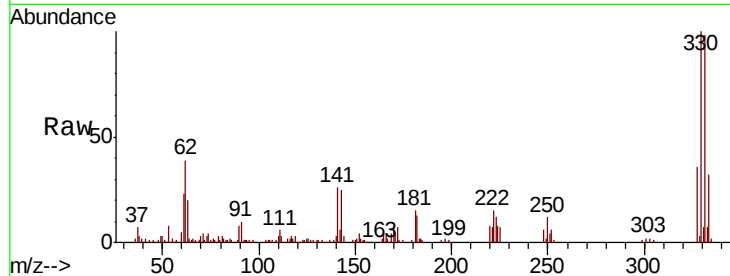
ClientSampleId :

CONC-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.8	116.6
141	28.4	22.7	34.1

Manual Integrations
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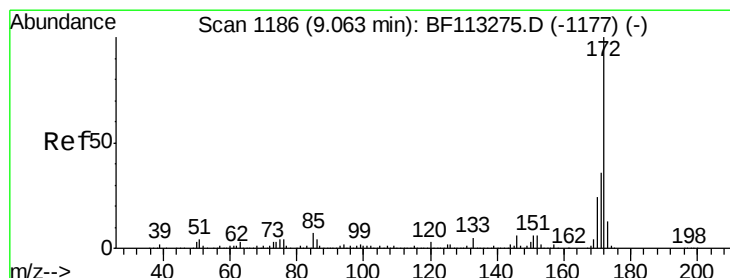
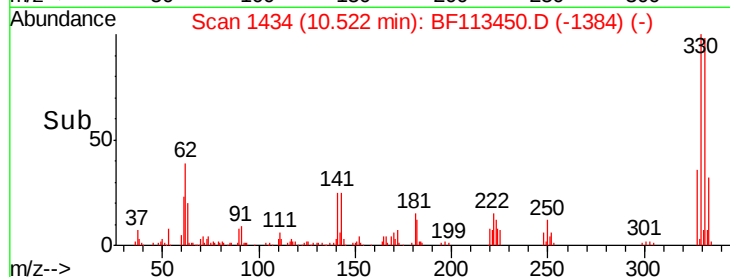
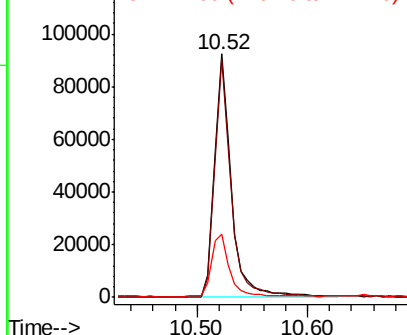


Abundance

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: 81.135 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

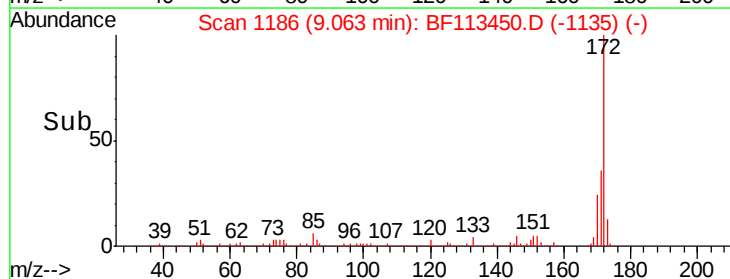
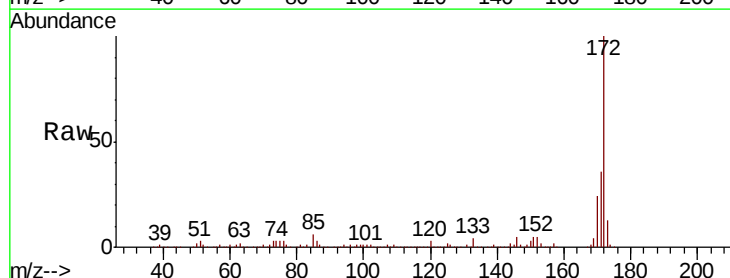
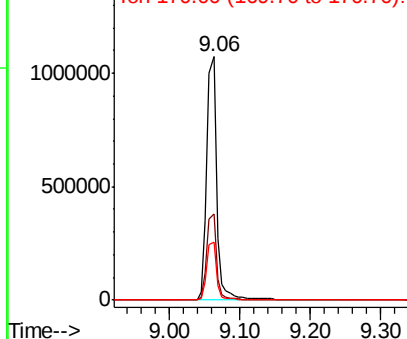
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.9	19.5	29.3

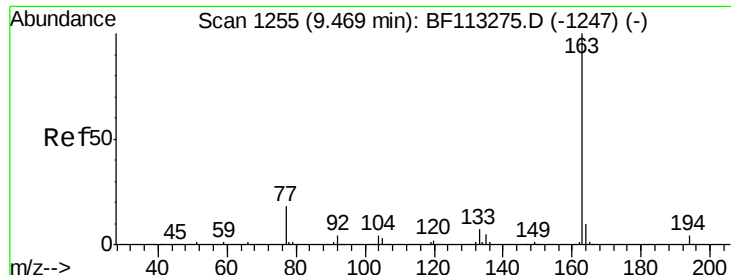
Abundance

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





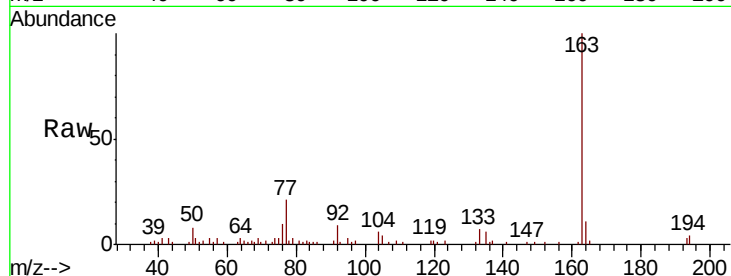
#50
Dimethylphthalate
Concen: 3.635 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Instrument :
BNA_F
ClientSampleId :
CONC-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.9	8.1	12.1

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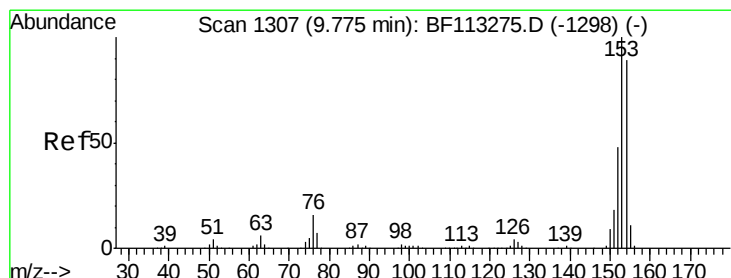
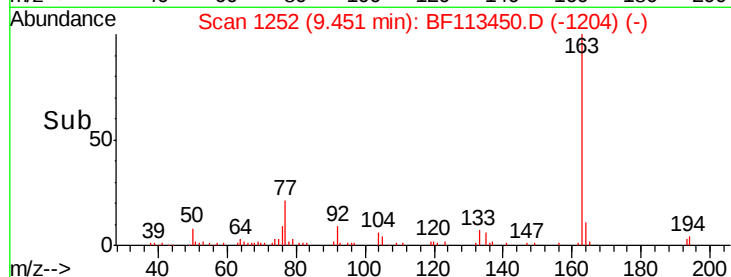
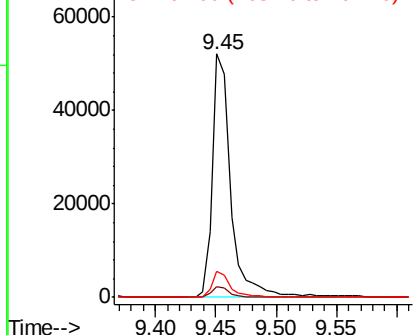


Abundance

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: 3.688 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

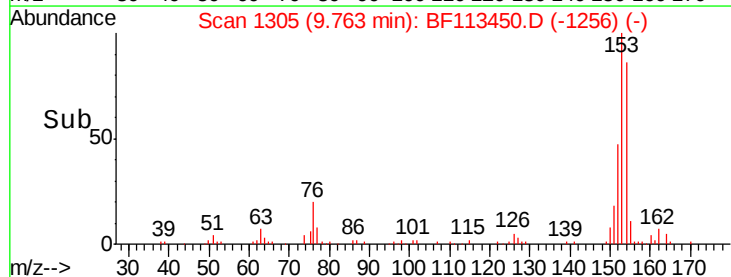
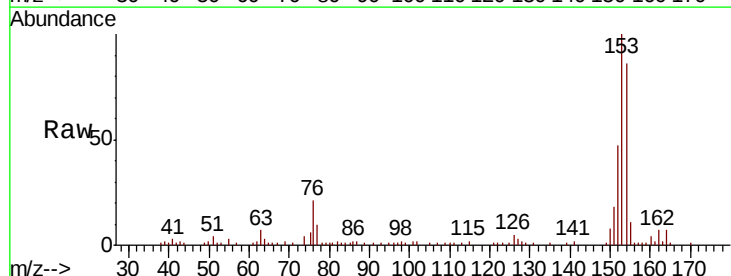
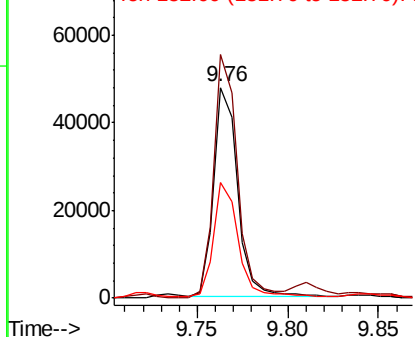
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.7	89.5	134.3
152	54.9	43.3	64.9

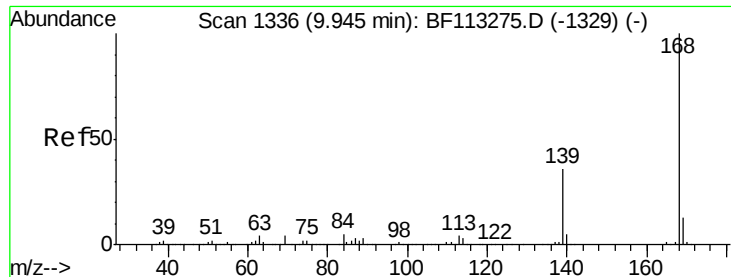
Abundance

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





#55

Dibenzenofuran

Concen: 2.209 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

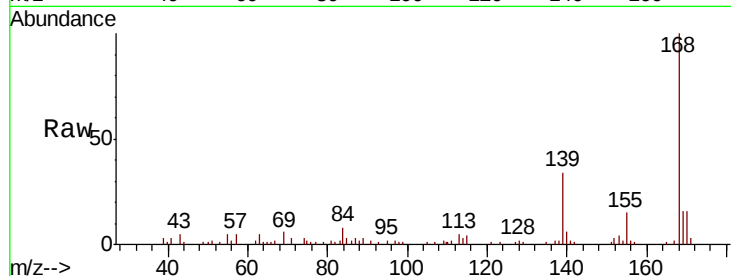
ClientSampled :

CONC-3

Tot Ion:	168	Resp:	39517
Ion Ratio	Lower	Upper	
168	100		
139	33.7	29.7	44.5
169	15.7	10.7	16.1

Manual Integrations
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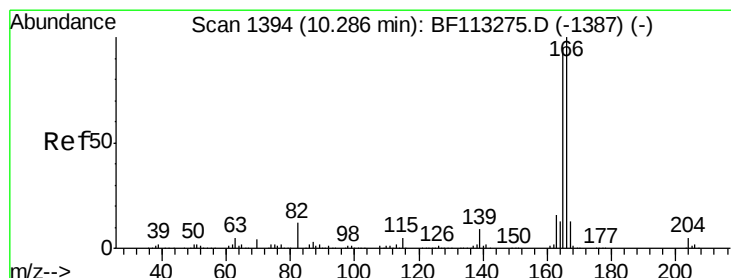
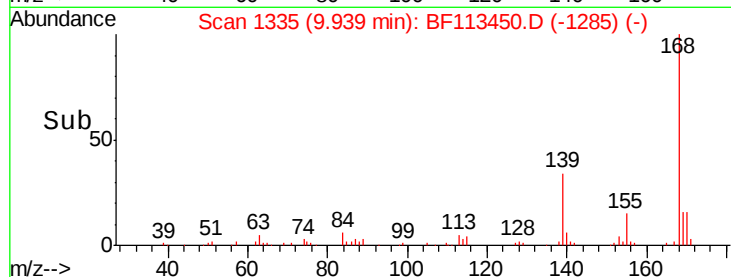
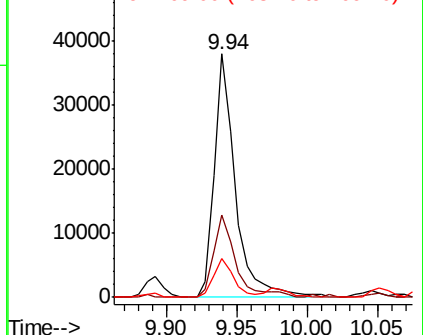


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 4.191 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

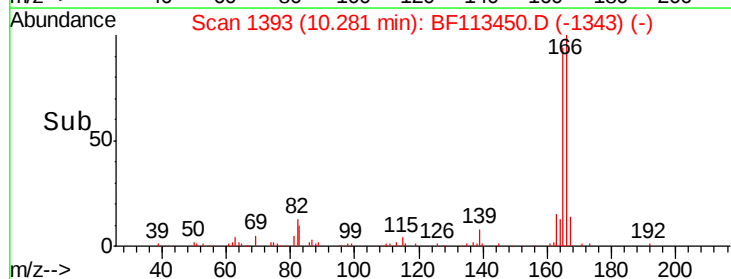
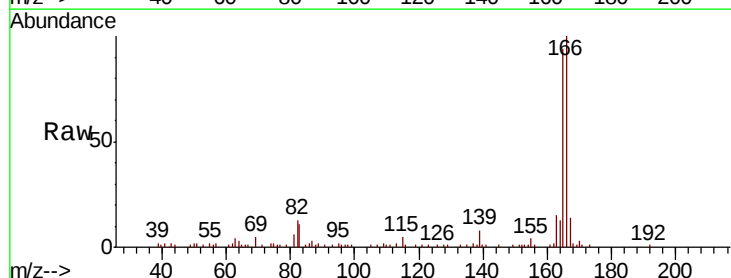
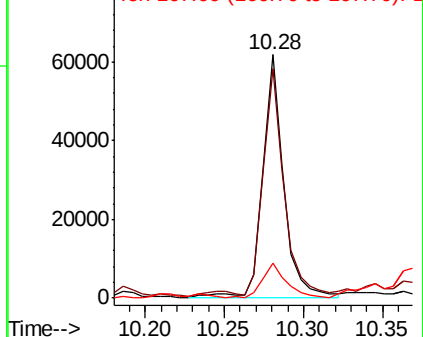
Tgt Ion:	166	Resp:	58235
Ion Ratio	Lower	Upper	
166	100		
165	94.5	76.2	114.2
167	14.5	10.7	16.1

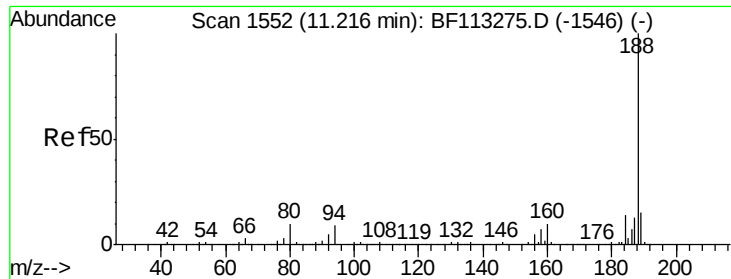
Abundance

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





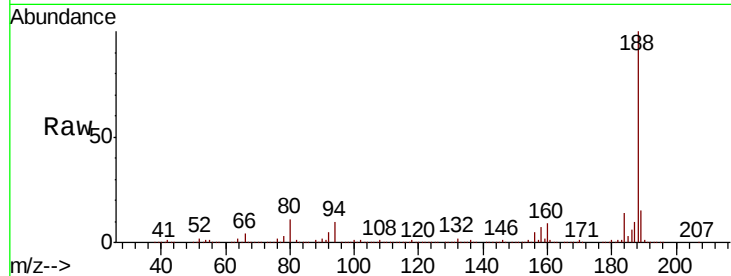
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Instrument :
BNA_F
ClientSampled :
CONC-3

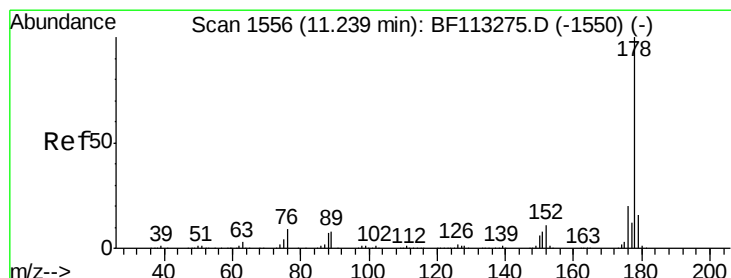
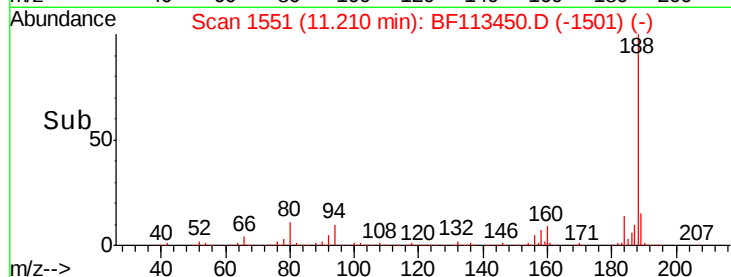
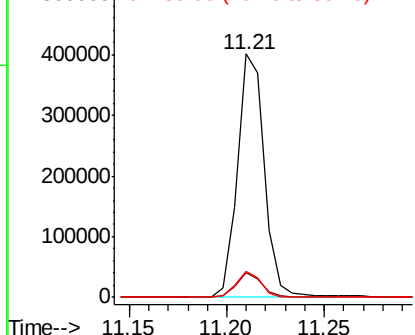
Tot Ion	Ratio	Resp	Lower	Upper
188	100	382722		
94	10.3		7.0	10.6
80	10.8		7.7	11.5

Manual Integrations
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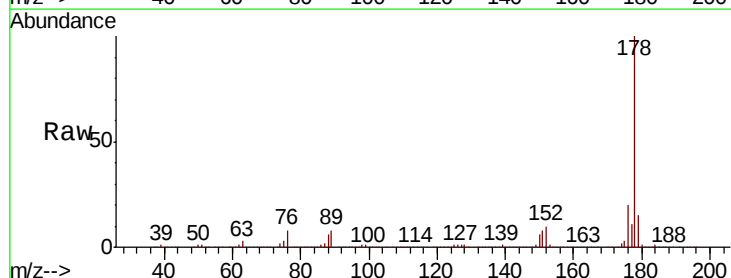


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

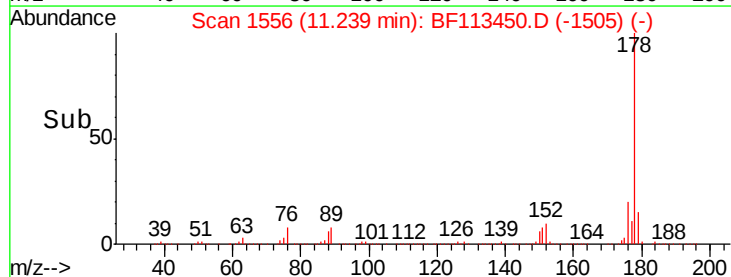
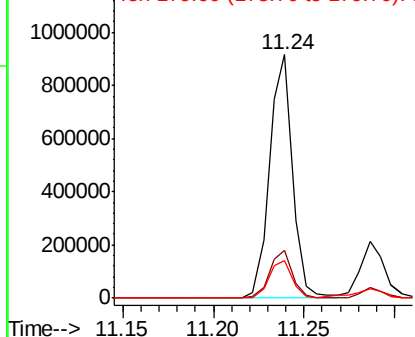


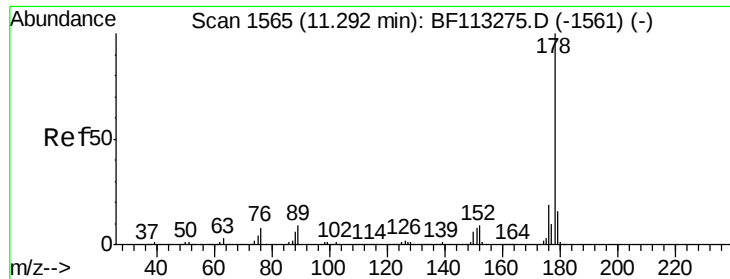
#71
Phenanthrene
Concen: 42.403 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	805919		
176	19.6		16.2	24.2
179	15.3		12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





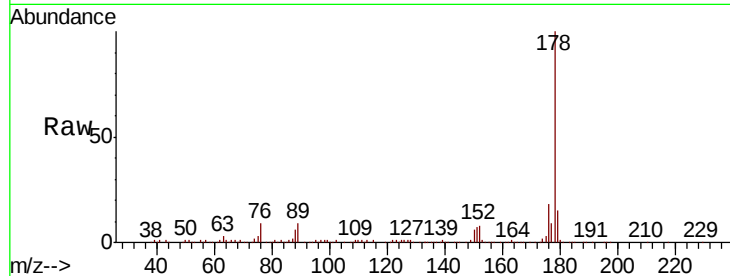
#72
 Anthracene
 Concen: 9.587 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113450.D
 Acq: 30 Mar 2019 9:42

Instrument :
 BNA_F
 ClientSampleId :
 CONC-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.4	12.8	19.2

Manual Integrations
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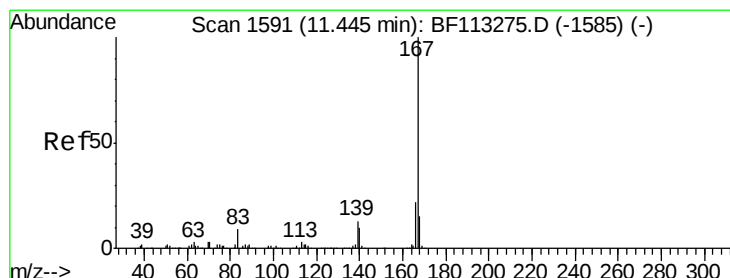
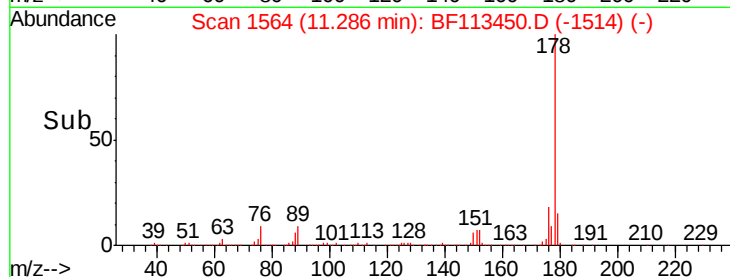
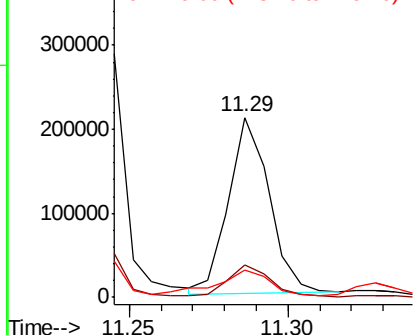


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
 Carbazole
 Concen: 3.959 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF113450.D
 Acq: 30 Mar 2019 9:42

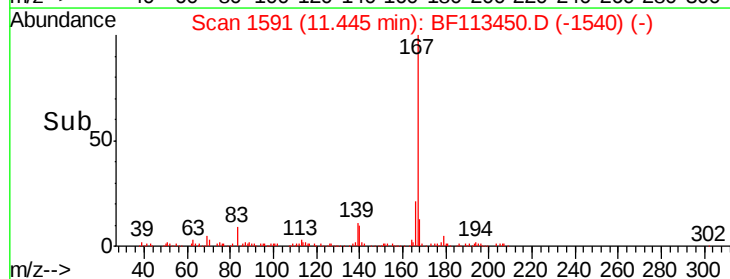
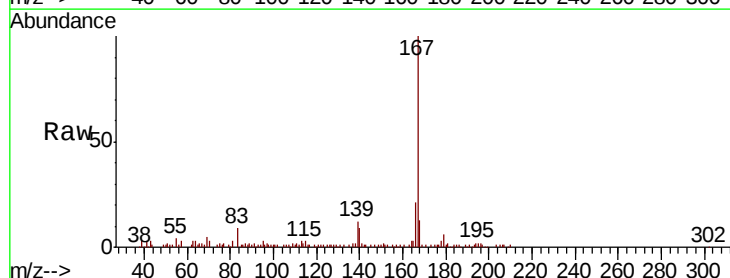
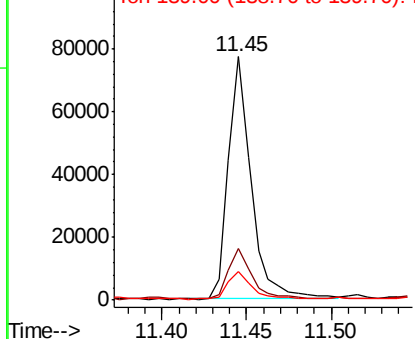
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	11.6	10.4	15.6

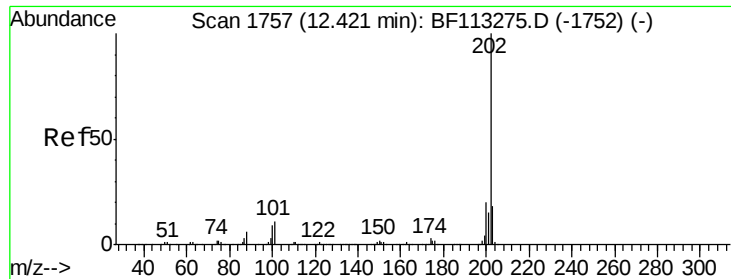
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 54.448 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

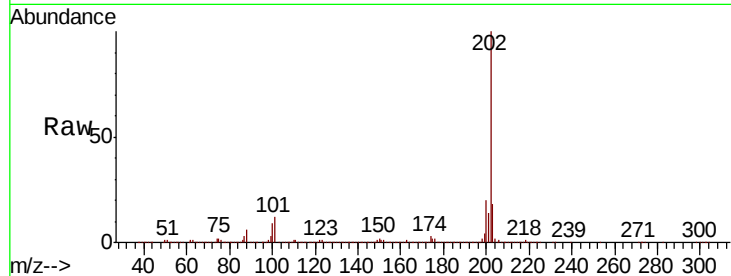
ClientSampleId :

CONC-3

Tot Ion:	202	Resp:	1169861
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.4
203	17.9	0.0	38.0

Manual Integrations
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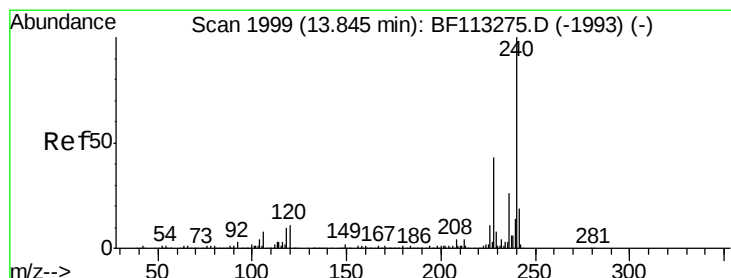
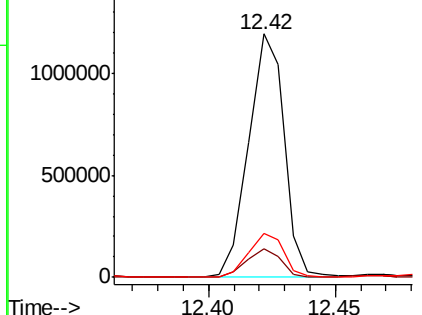
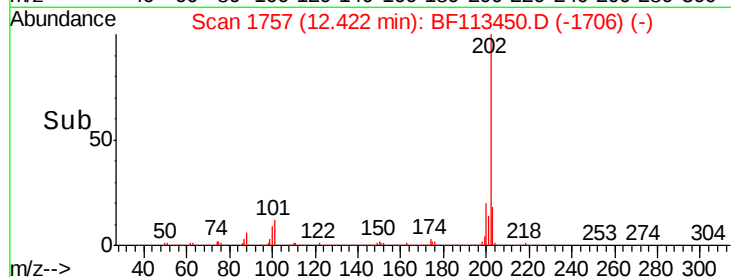


Abundance

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

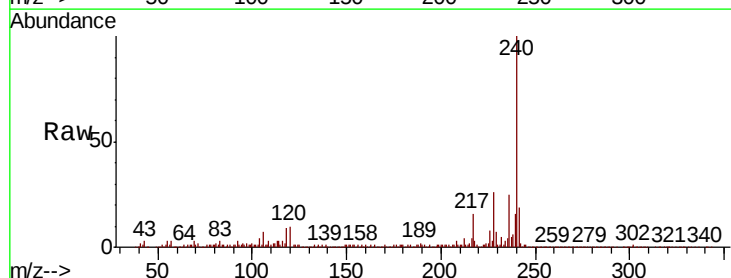
RT: 13.85 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Tgt Ion:	240	Resp:	379722
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.8	13.2
236	25.4	20.9	31.3

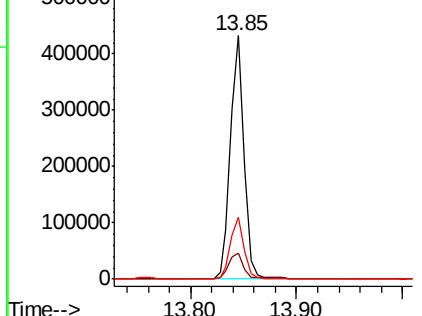
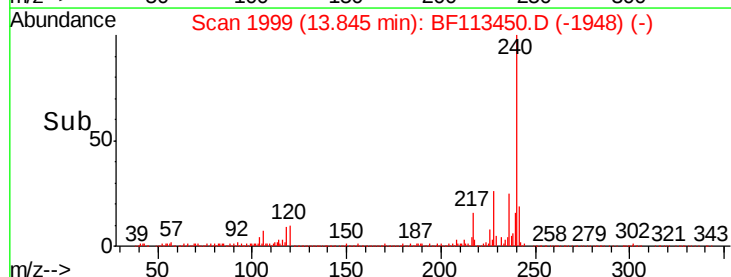


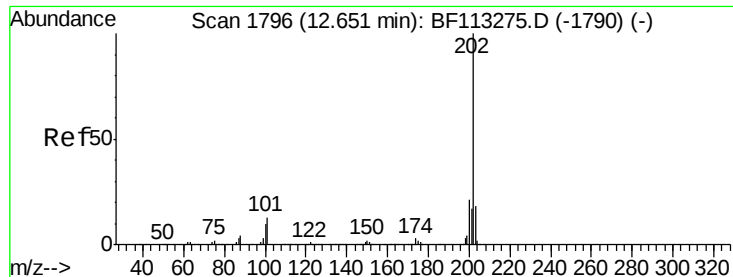
Abundance

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: 44.030 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

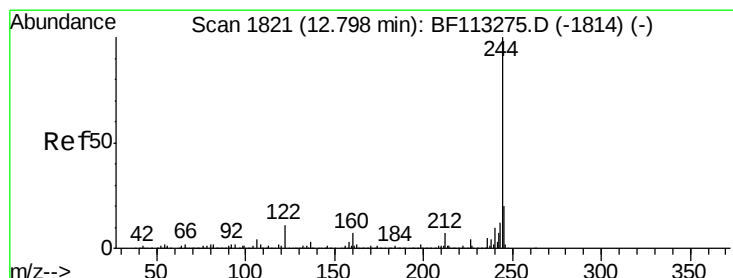
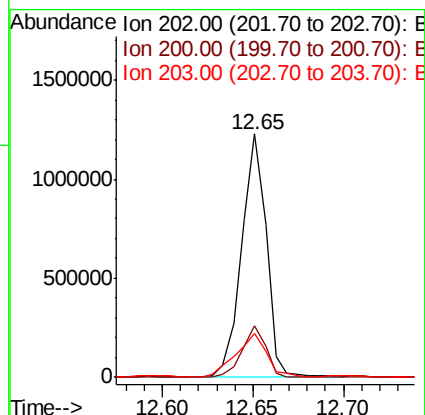
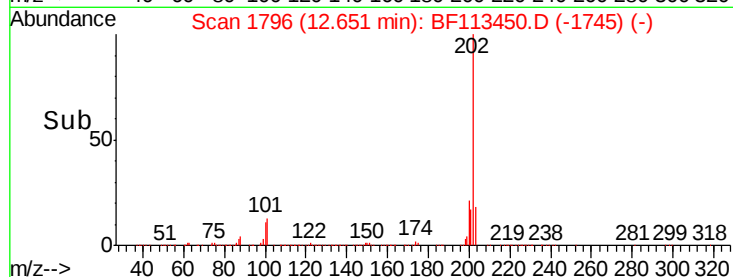
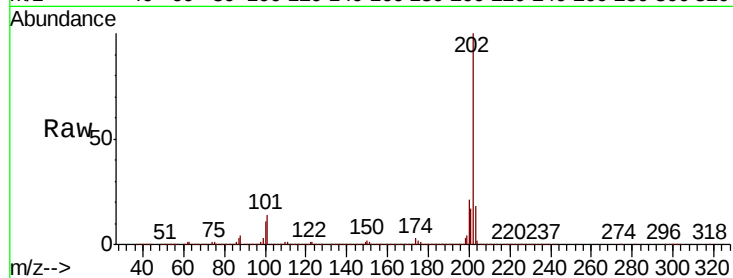
ClientSampleId :

CONC-3

Tot Ion:	202	Resp:	1158591
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.8	25.2
203	18.2	14.4	21.6

Manual Integrations
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#79

Terphenyl-d14

Concen: 67.787 ng

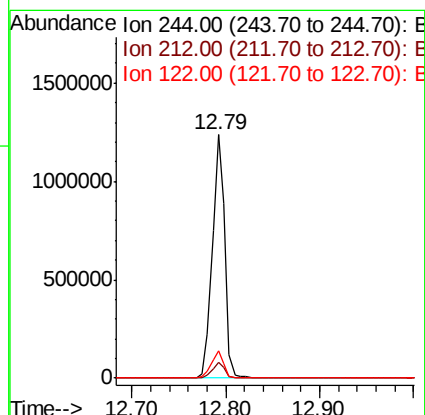
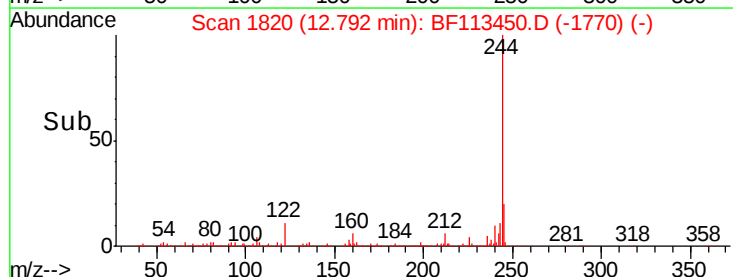
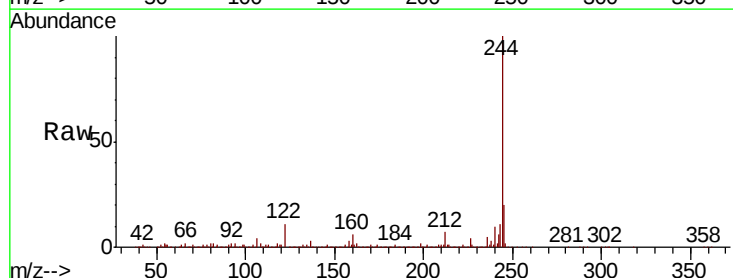
RT: 12.79 min Scan# 1820

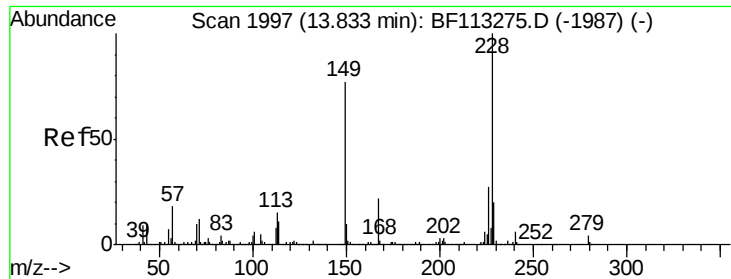
Delta R.T. -0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Tgt Ion:	244	Resp:	1167789
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.5	8.3
122	11.4	8.6	13.0





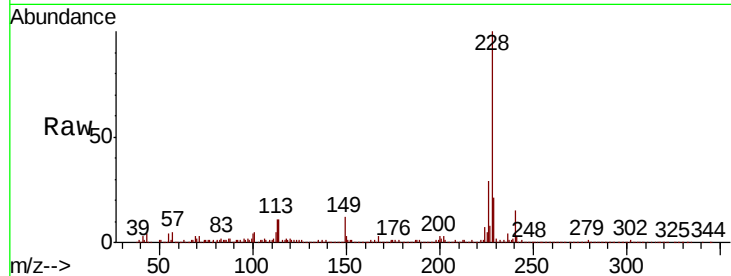
#81
Benzo(a)anthracene
Concen: 28.161 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Instrument :
BNA_F
ClientSampleId :
CONC-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	20.8	16.2	24.4

Manual Integrations
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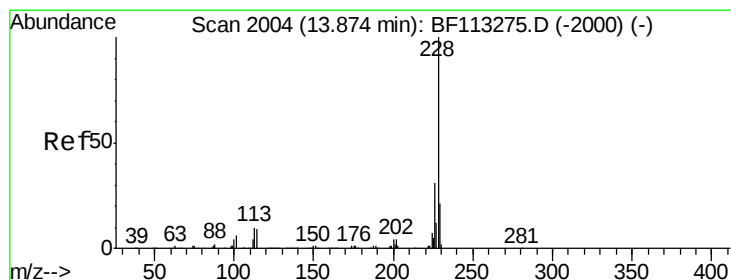
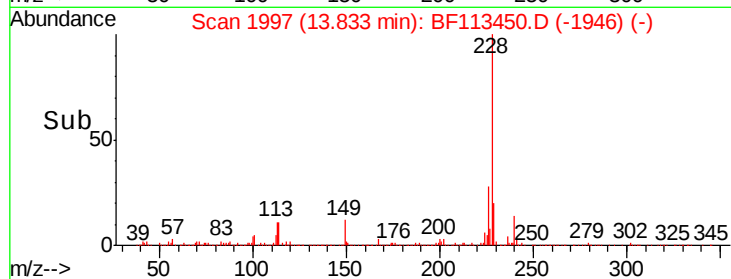
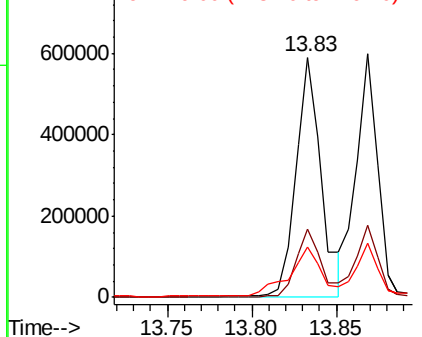


Abundance

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: 24.110 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

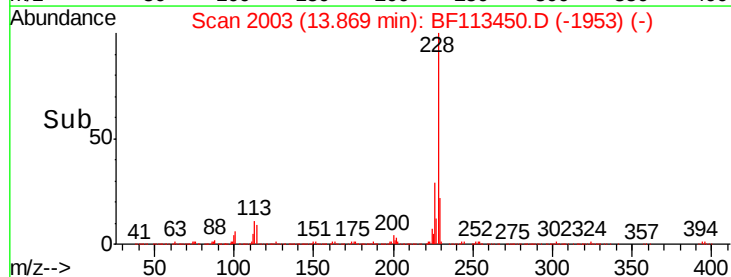
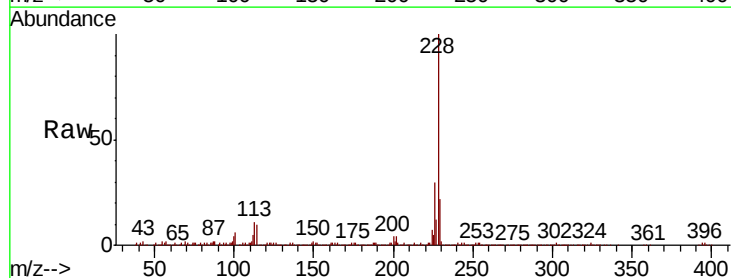
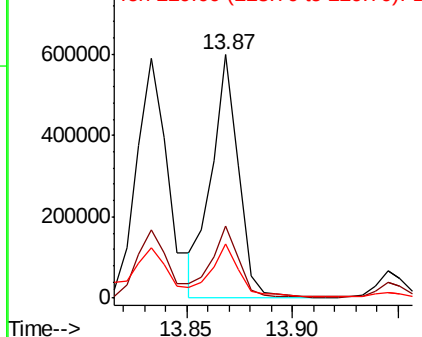
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	22.5	16.3	24.5

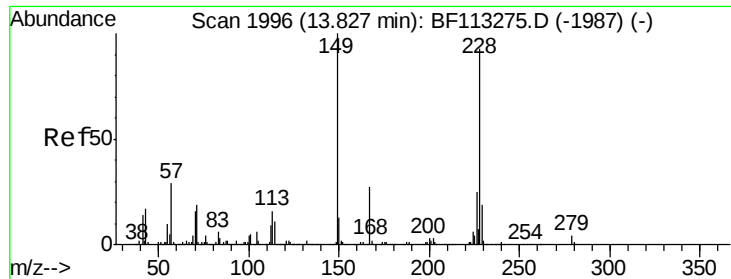
Abundance

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: 8.625 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

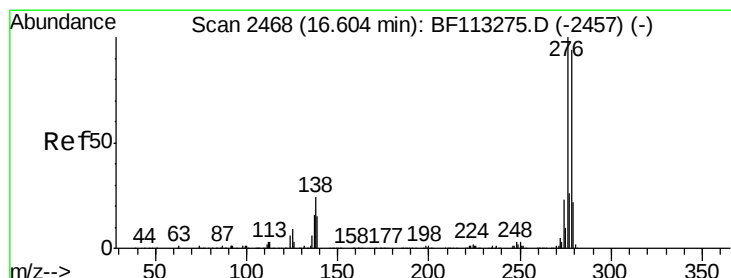
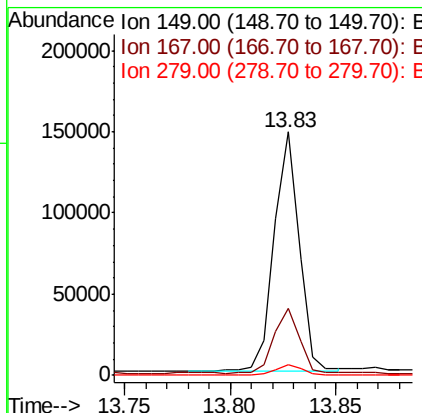
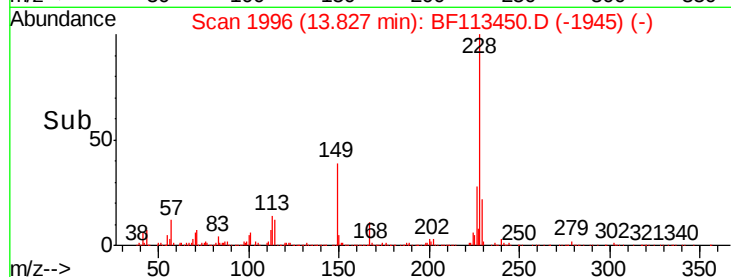
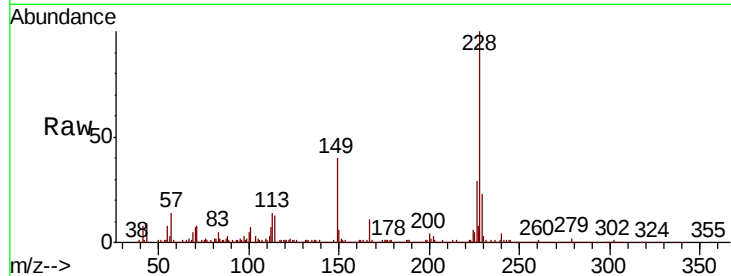
ClientSampleId :

CONC-3

Tot Ion:	149	Resp:	122610
Ion Ratio	Lower	Upper	
149	100		
167	27.6	21.8	32.8
279	4.3	2.9	4.3

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#86

Indeno(1,2,3-cd)pyrene

Concen: 11.906 ng

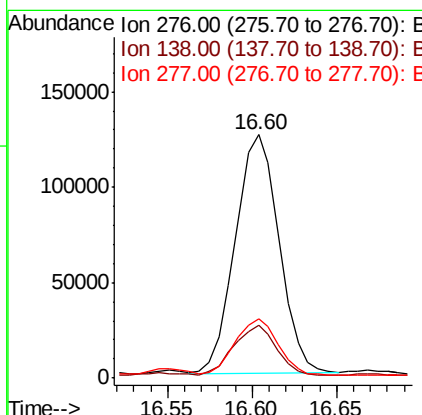
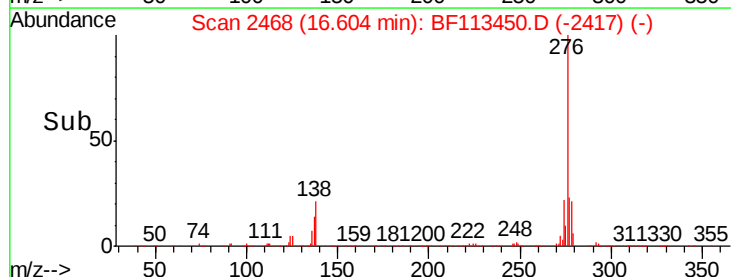
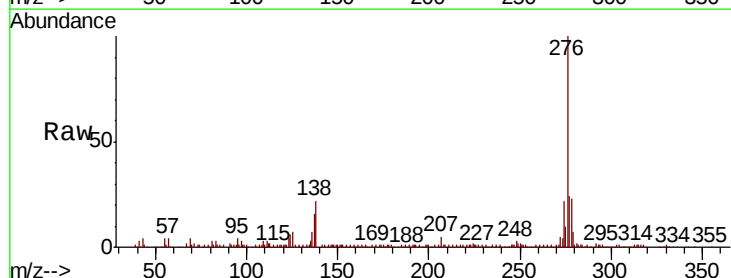
RT: 16.60 min Scan# 2468

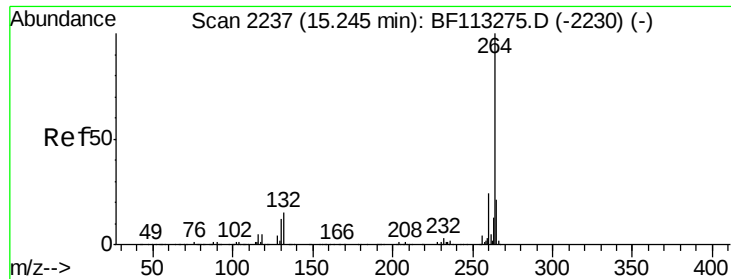
Delta R.T. 0.00 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Tgt Ion:	276	Resp:	225582
Ion Ratio	Lower	Upper	
276	100		
138	21.1	18.1	27.1
277	23.7	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

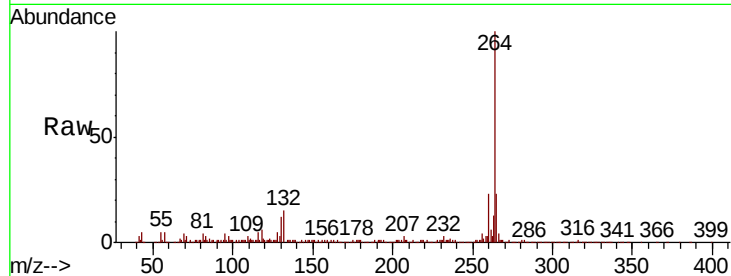
ClientSampleId :

CONC-3

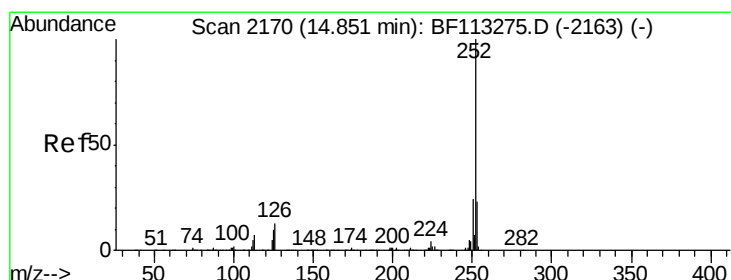
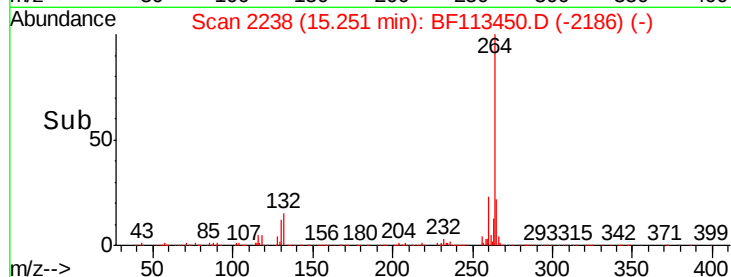
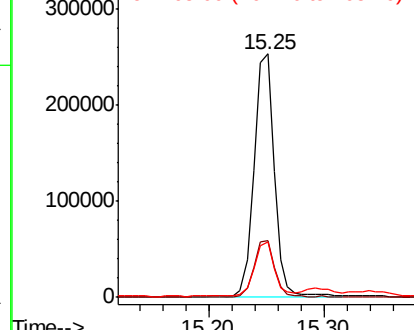
Tot Ion:	264	Resp:	309200
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.1	28.7
265	22.8	17.1	25.7

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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: 30.890 ng m

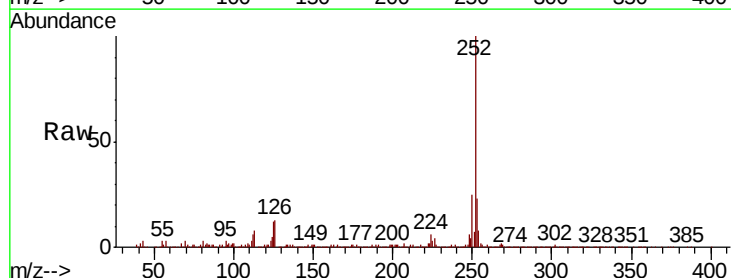
RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

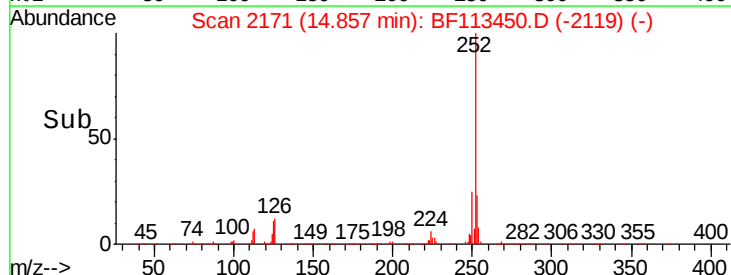
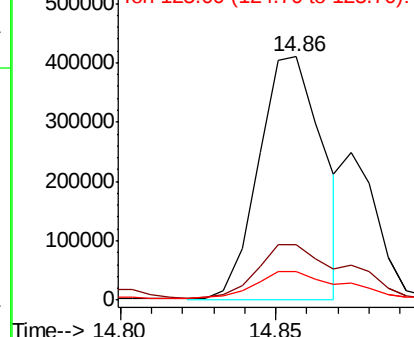
Lab File: BF113450.D

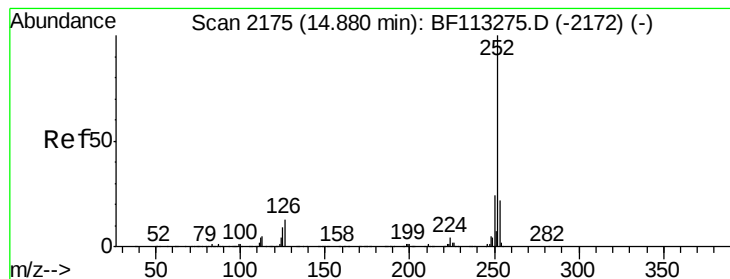
Acq: 30 Mar 2019 9:42

Tgt Ion:	252	Resp:	593308
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	11.6	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: 11.618 ng/mL

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Instrument :

BNA_F

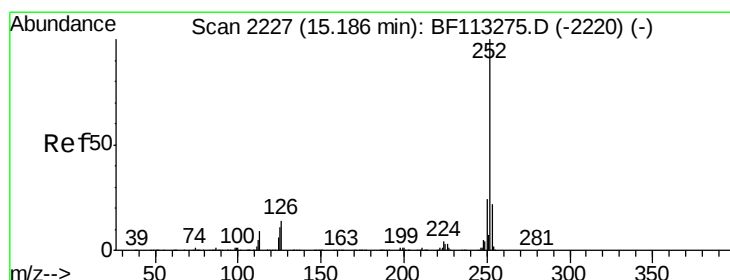
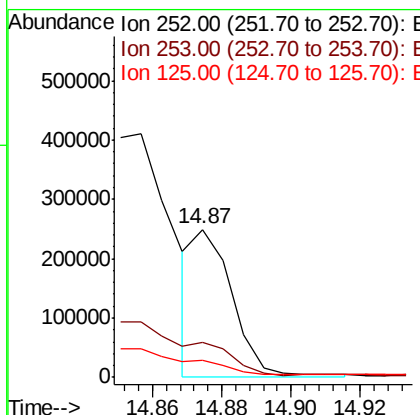
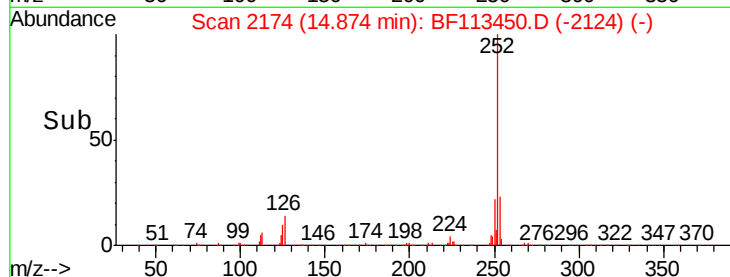
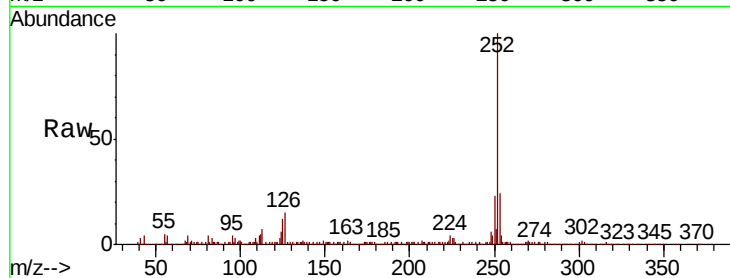
ClientSampled :

CONC-3

Tot Ion:	252	Resp:	195975
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	11.7	7.3	10.9

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 24.411 ng/mL

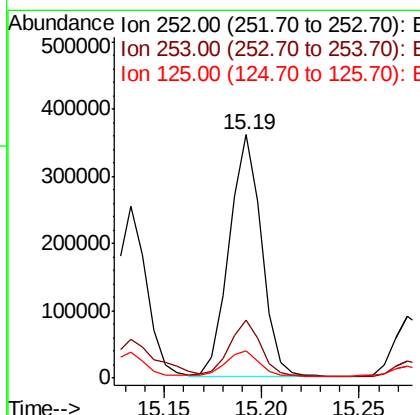
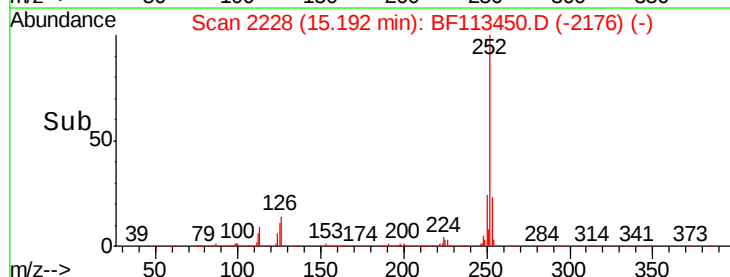
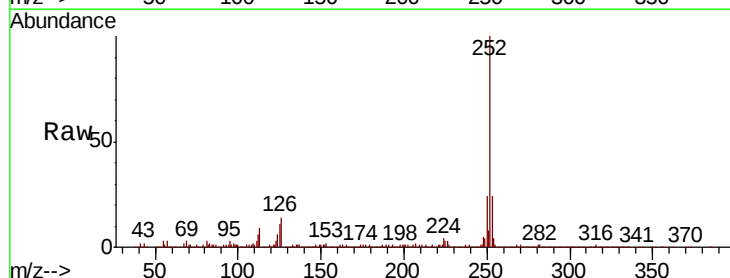
RT: 15.19 min Scan# 2228

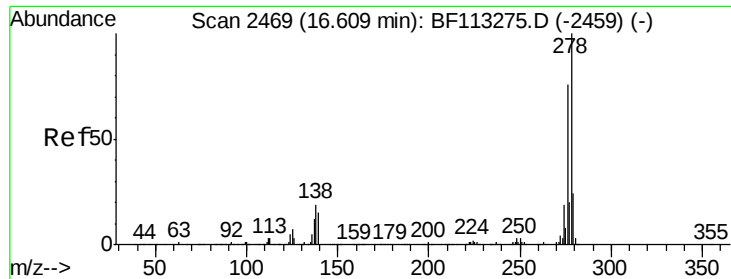
Delta R.T. 0.01 min

Lab File: BF113450.D

Acq: 30 Mar 2019 9:42

Tgt Ion:	252	Resp:	415679
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	11.3	8.8	13.2





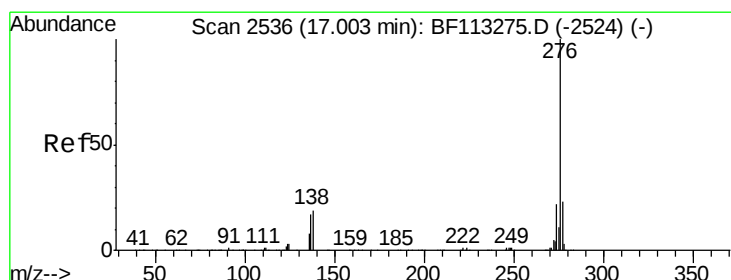
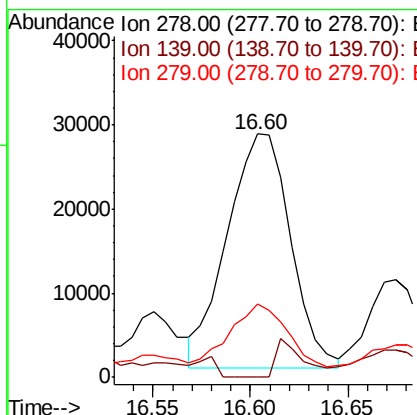
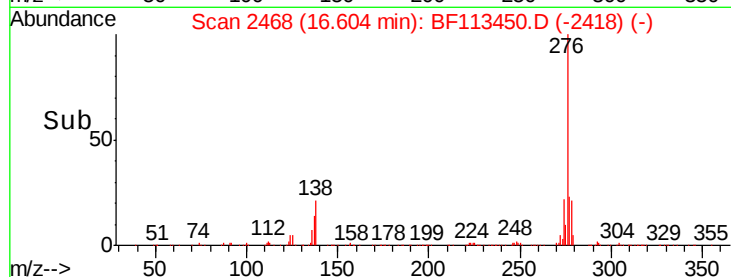
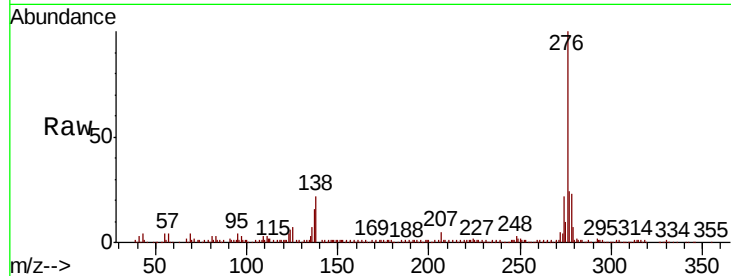
#91
Dibenzo(a,h)anthracene
Concen: 4.261 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Instrument :
BNA_F
ClientSampleId :
CONC-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	30.3	19.0	28.6#

Manual Integrations
APPROVED

Sohil
4/1/2019 5:46:44 PM



#92
Benzo(g,h,i)perylene
Concen: 15.106 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF113450.D
Acq: 30 Mar 2019 9:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	21.7	15.6	23.4

