

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100640.D
 Acq On : 16 Nov 2017 19:35
 Operator : SJ/JU
 Sample : I6404-01 20X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Manual Integrations
 APPROVED

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 11/17/2017 1:25:09 PM

Quant Time: Nov 17 01:21:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 12:15:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	105337	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	418254	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	197492	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	361273	20.00	ng	0.00
75) Chrysene-d12	14.04	240	226451	20.00	ng	0.00
86) Perylene-d12	15.52	264	227956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	32097	4.88	ng	-0.01
7) Phenol-d6	6.49	99	41771	5.15	ng	-0.02
23) Nitrobenzene-d5	7.44	82	23219	3.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	6589	3.27	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	59051	4.55	ng	0.00
78) Terphenyl-d14	12.98	244	48657	4.94	ng	-0.01
Target Compounds						
70) Phenanthrene	11.43	178	217092	11.413	ng	99
71) Anthracene	11.48	178	47537	2.463	ng	98
74) Fluoranthene	12.62	202	330150	16.377	ng	97
77) Pyrene	12.84	202	271999	16.850	ng	99
80) Benzo(a)anthracene	14.03	228	137323	10.070	ng	98
82) Chrysene	14.07	228	123916	9.384	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	64737	6.061	ng	93
87) Benzo(b)fluoranthene	15.08	252	154229m	11.420	ng	
88) Benzo(k)fluoranthene	15.11	252	61622m	4.829	ng	
89) Benzo(a)pyrene	15.45	252	106902	8.929	ng	97
91) Benzo(g,h,i)perylene	17.44	276	58217	6.074	ng	# 90

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

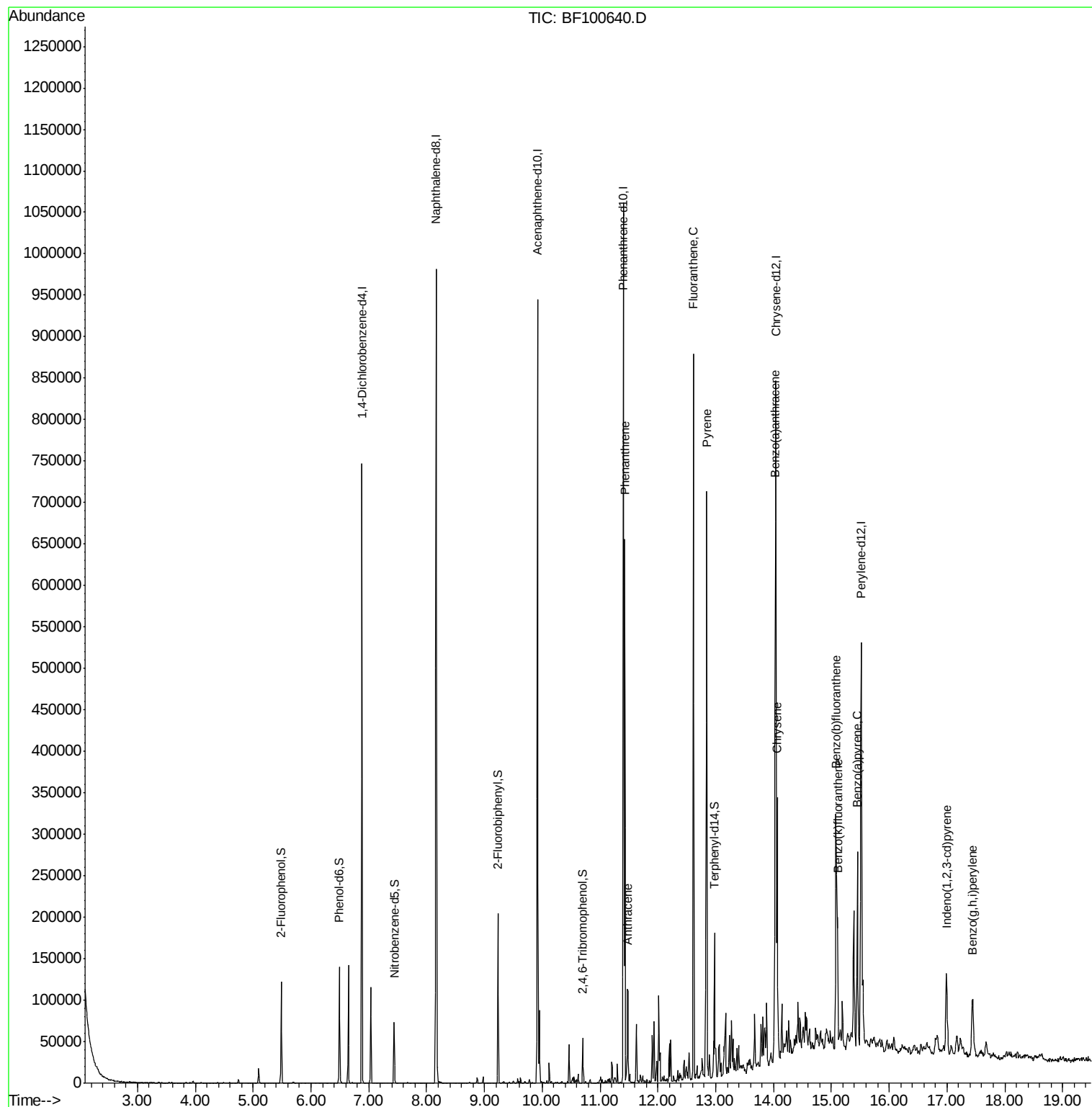
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100640.D
Acq On : 16 Nov 2017 19:35
Operator : SJ/JU
Sample : I6404-01 20X
Misc :
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#1

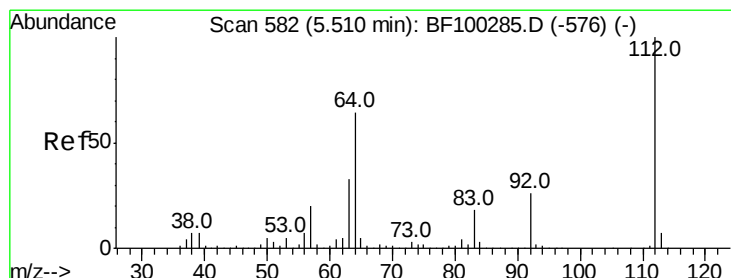
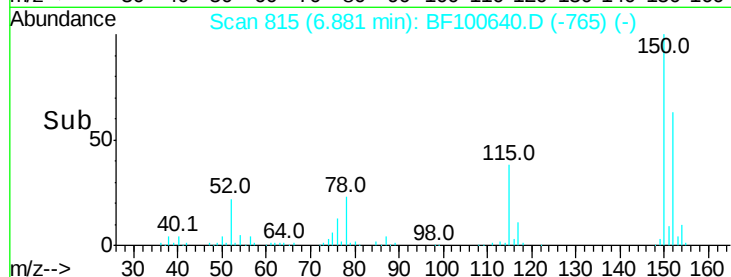
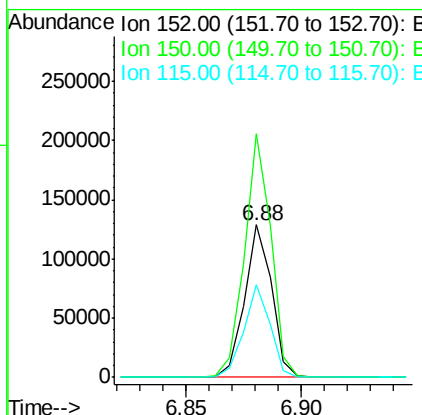
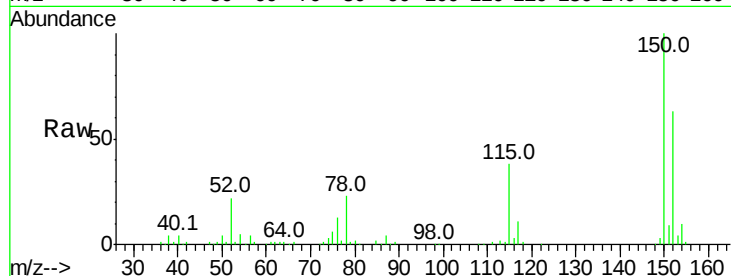
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	60.5	50.1	75.1

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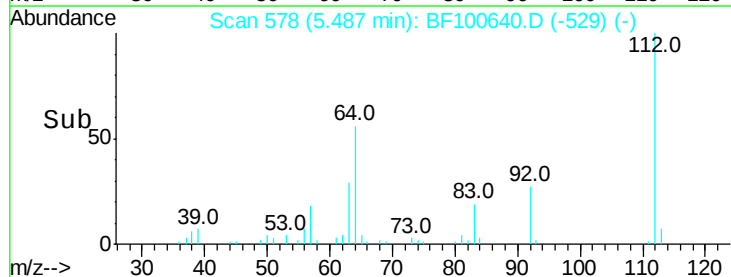
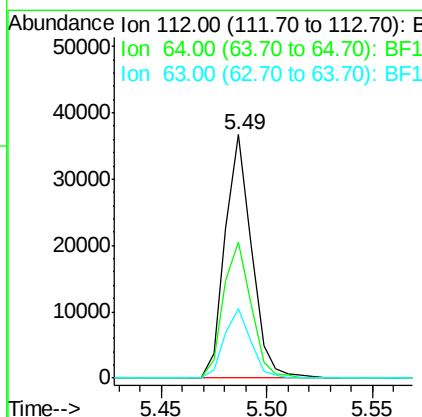
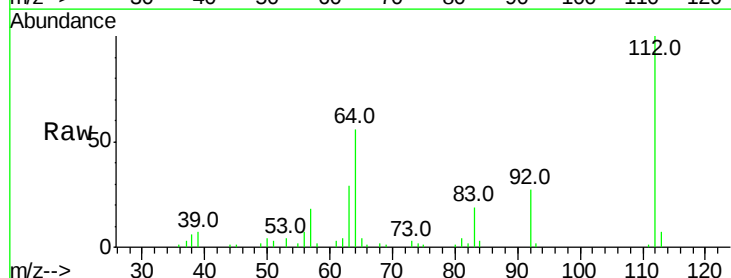
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#5

2-Fluorophenol
Concen: 4.884 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 5.155 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Instrument :

BNA_F

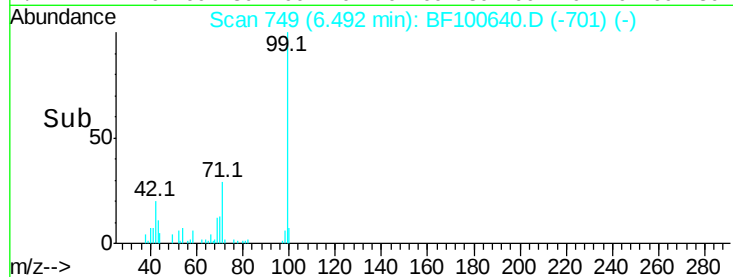
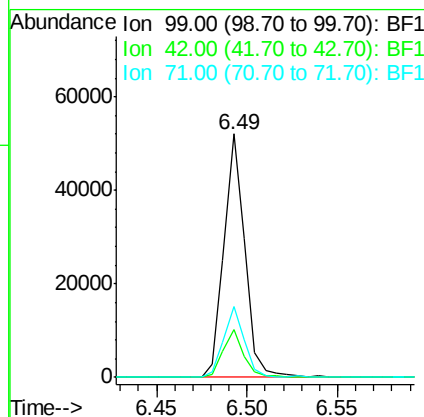
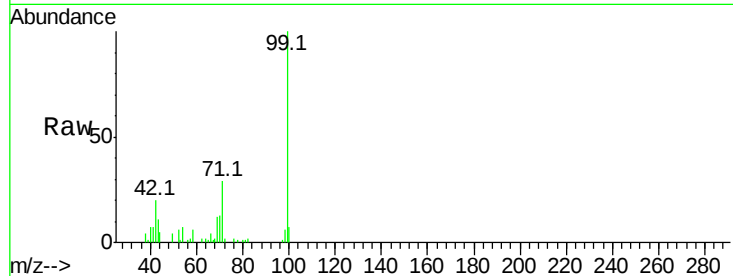
ClientSampleId :

W-1

Tot Ion:	99	Resp:	41771
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	28.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

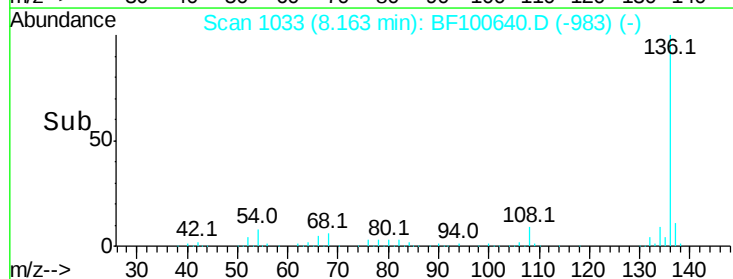
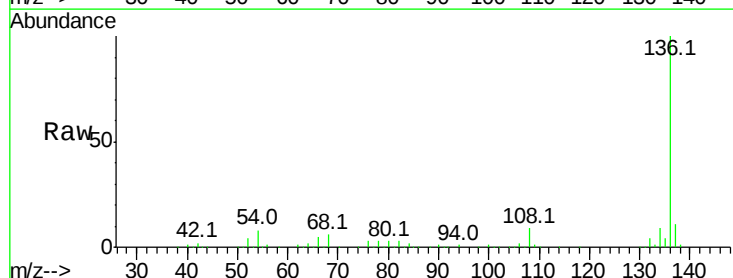
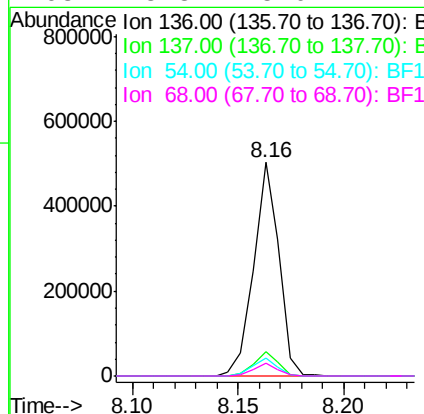
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Tgt Ion:	136	Resp:	418254
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.3	6.6	9.8
68	5.8	5.0	7.4





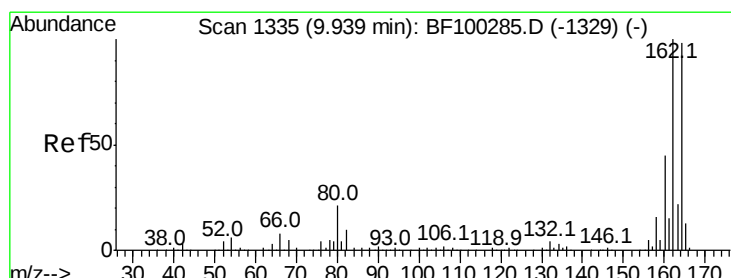
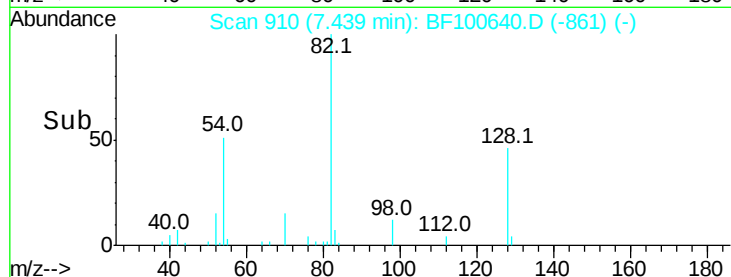
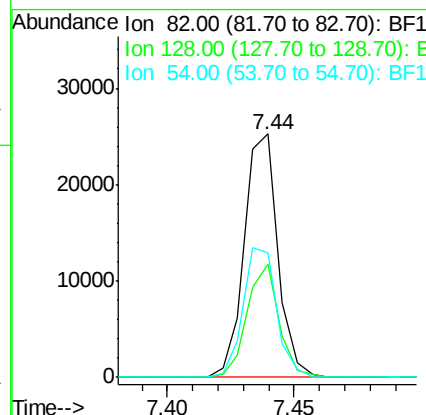
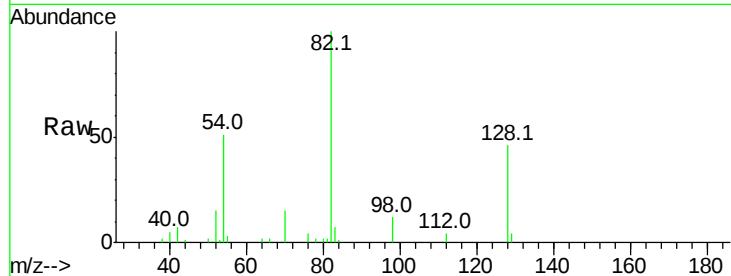
#23
Nitrobenzene-d5
Concen: 3.670 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Instrument :
BNA_F
ClientSampleId :
W-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	51.1	41.4	62.2

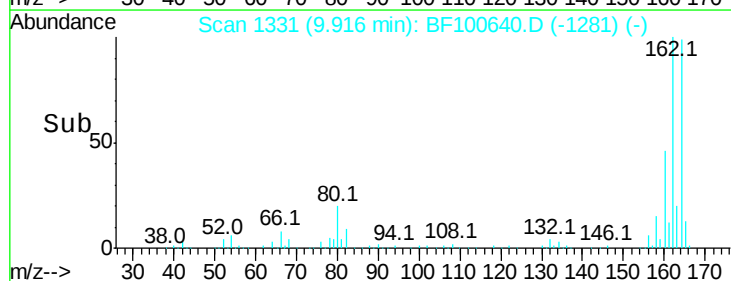
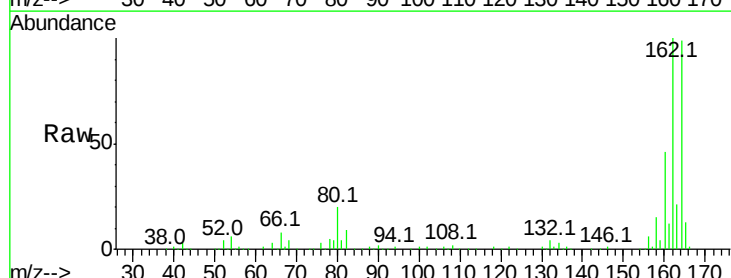
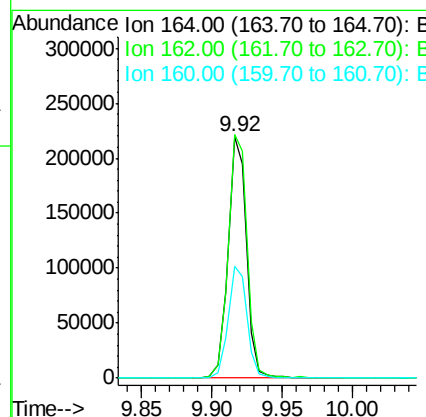
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	86.1	129.1
160	46.1	38.3	57.5





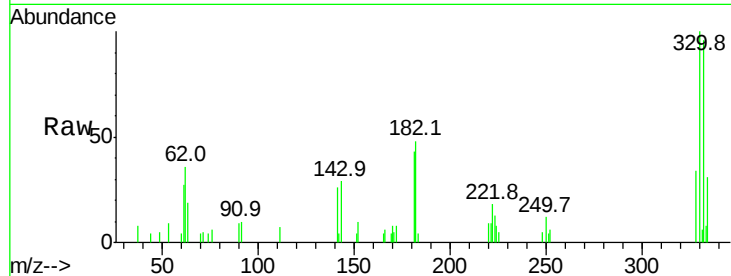
#41
 2,4,6-Tribromophenol
 Concen: 3.274 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Instrument :
 BNA_F
 ClientSampled :
 W-1

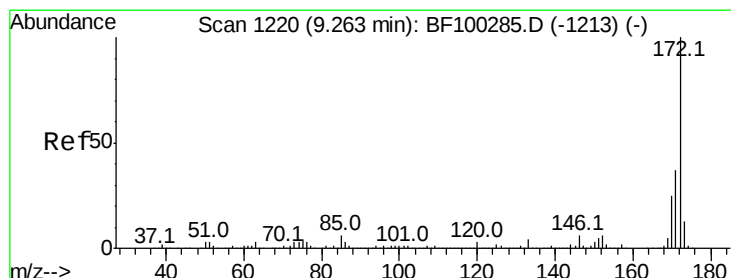
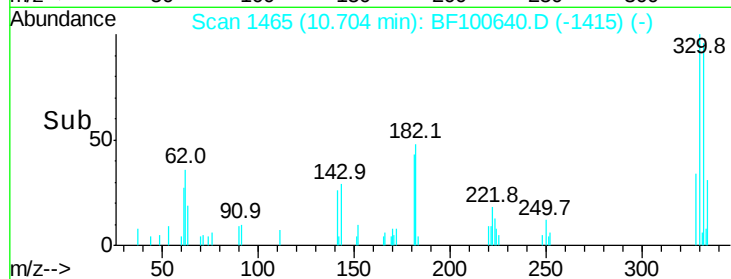
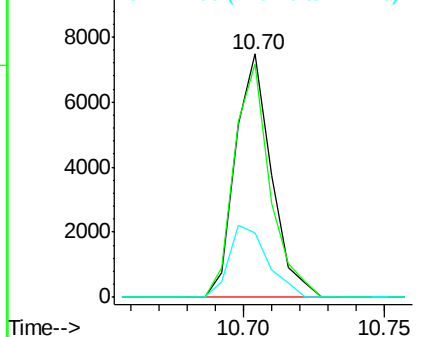
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	31.9	29.9	44.9

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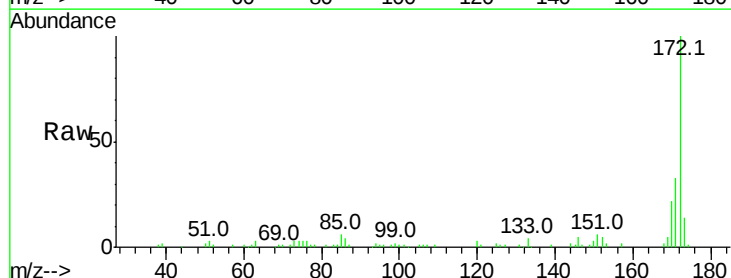


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

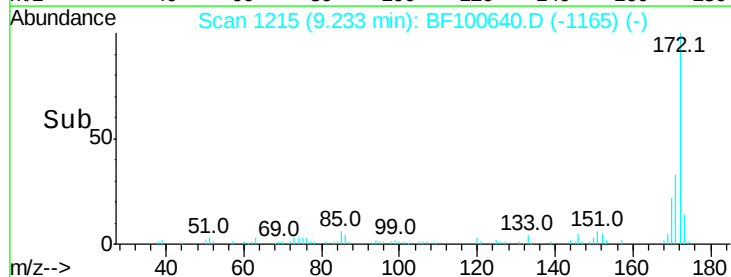
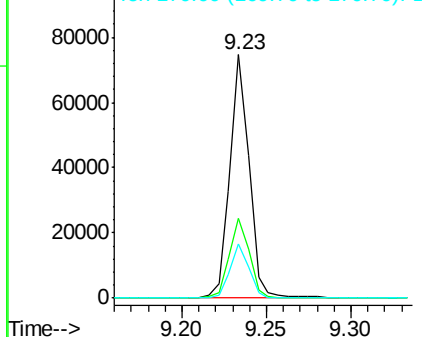


#44
 2-Fluorobiphenyl
 Concen: 4.553 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.7	44.5
170	22.3	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





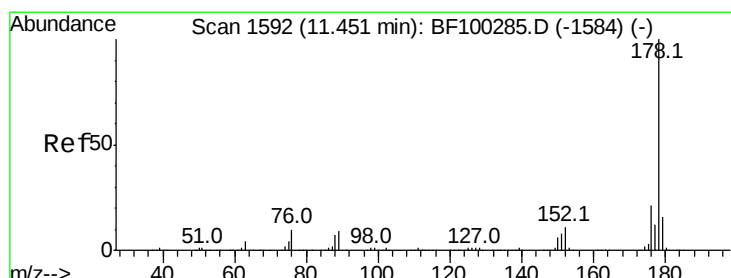
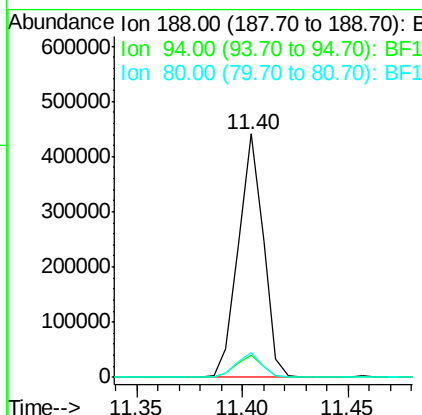
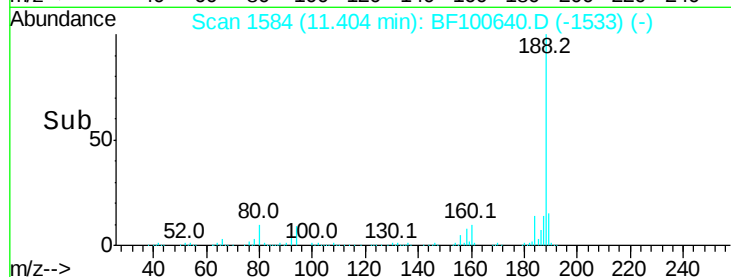
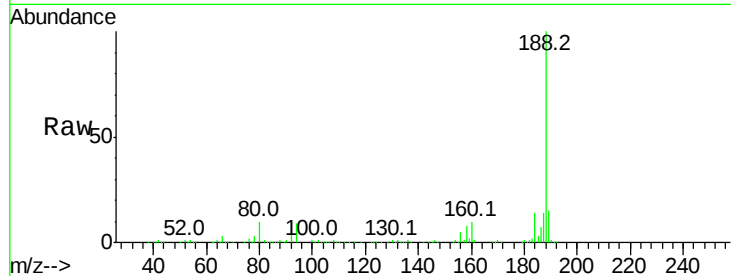
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	361273		
94	9.1		8.5	12.7
80	10.0		9.2	13.8

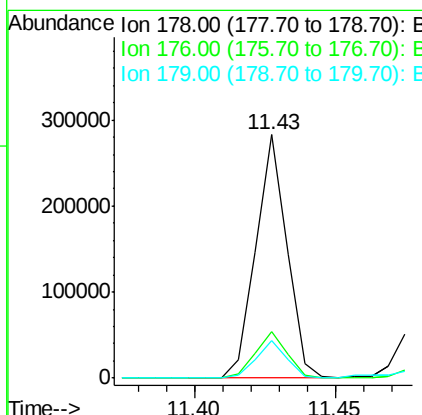
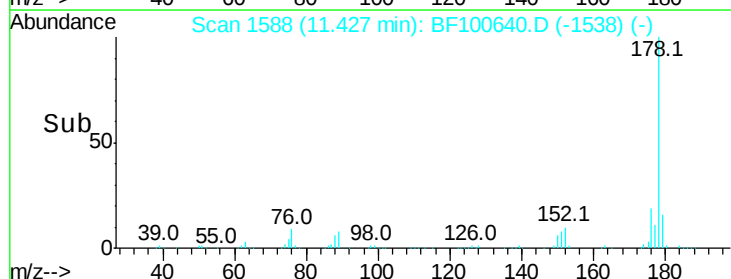
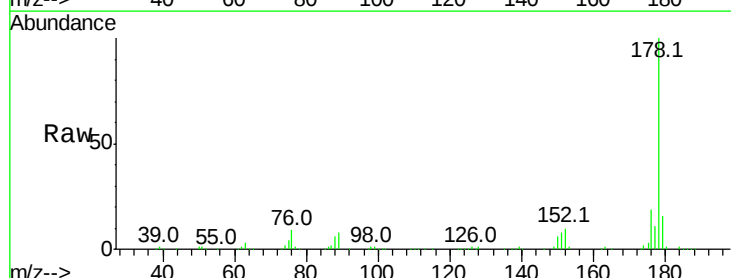
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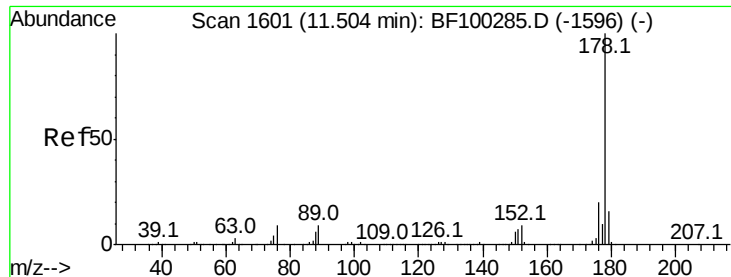
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#70
Phenanthrene
Concen: 11.413 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	217092		
176	19.3		15.8	23.8
179	15.6		13.0	19.6





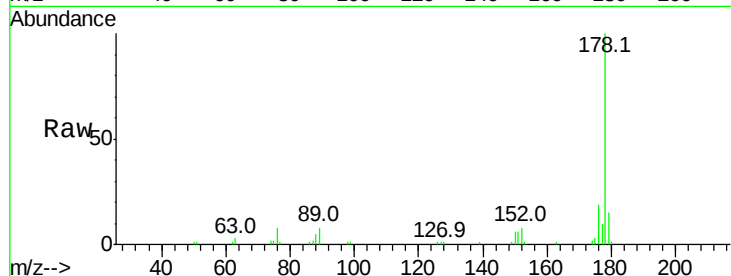
#71
 Anthracene
 Concen: 2.463 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :
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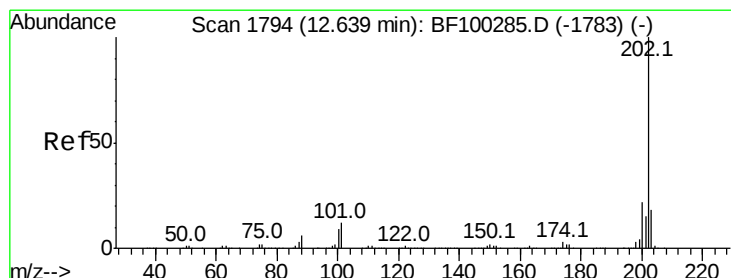
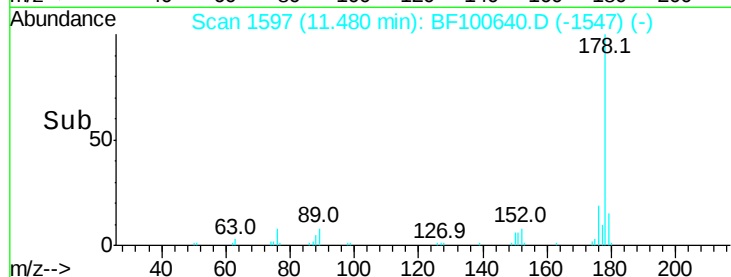
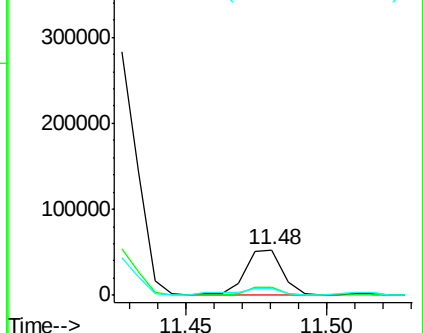
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.0	12.6	19.0

Manual Integrations
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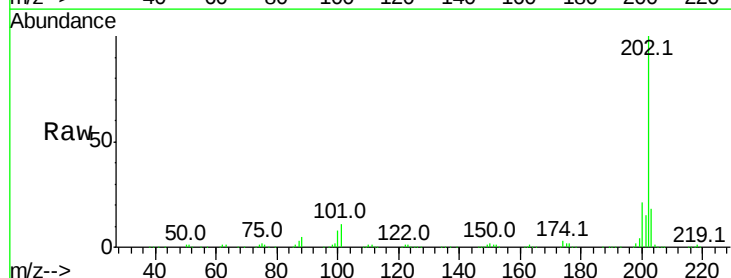


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

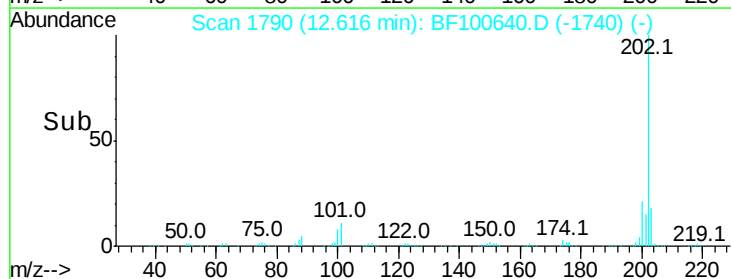
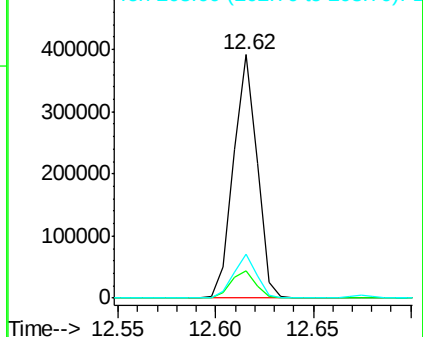


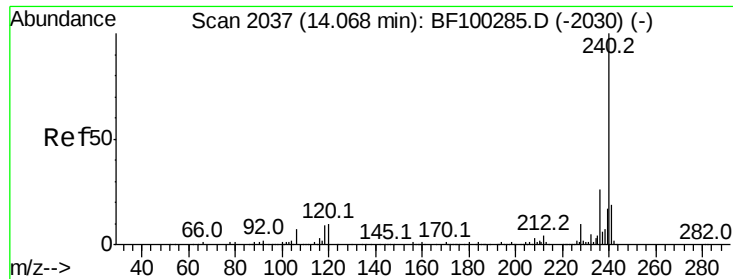
#74
 Fluoranthene
 Concen: 16.377 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.9	0.0	38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Instrument :

BNA_F

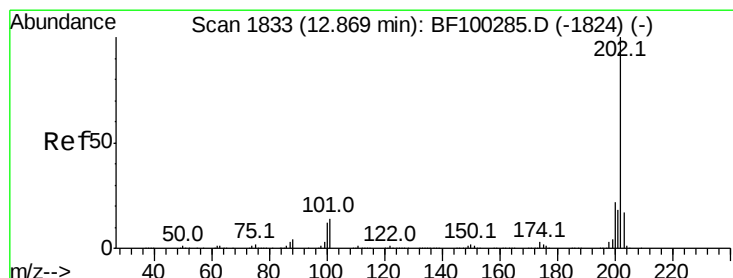
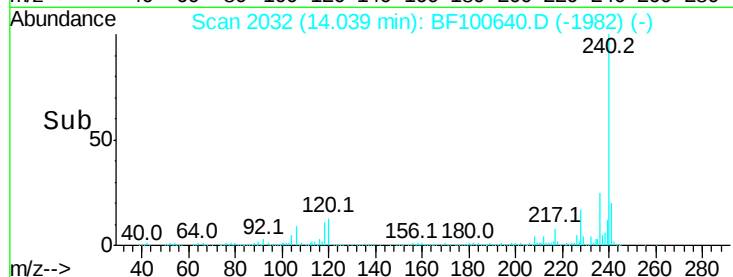
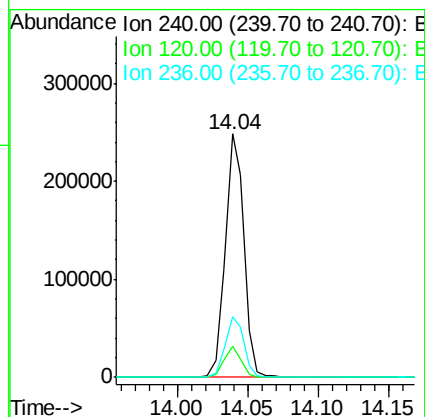
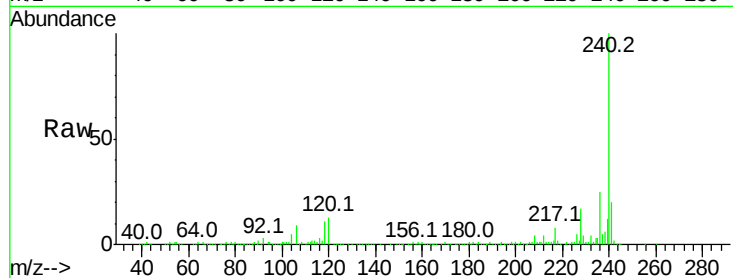
ClientSampleId :

W-1

Tot Ion:	240	Resp:	226451
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.5	14.3
236	25.0	20.7	31.1

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#77

Pyrene

Concen: 16.850 ng

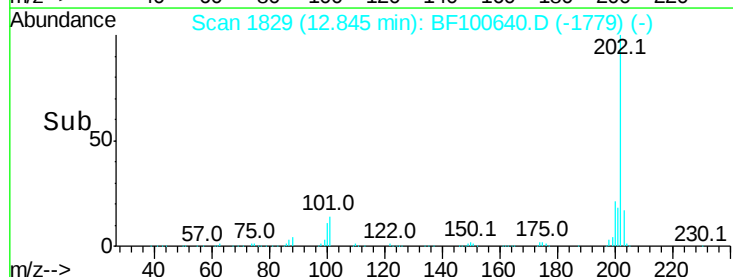
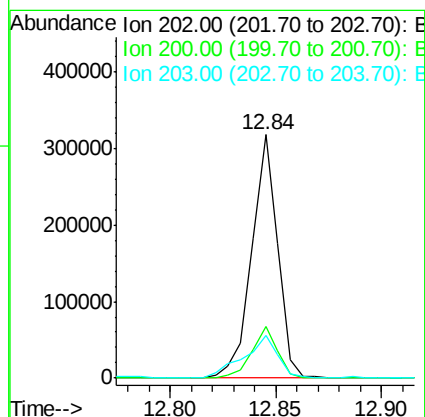
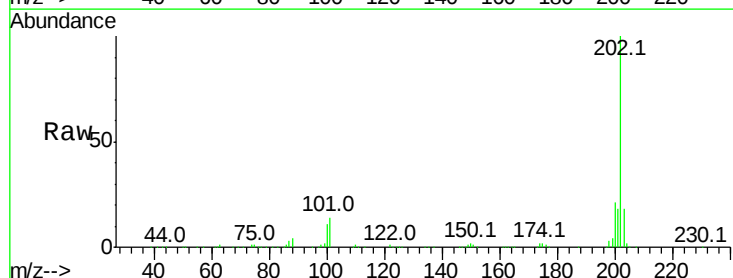
RT: 12.84 min Scan# 1829

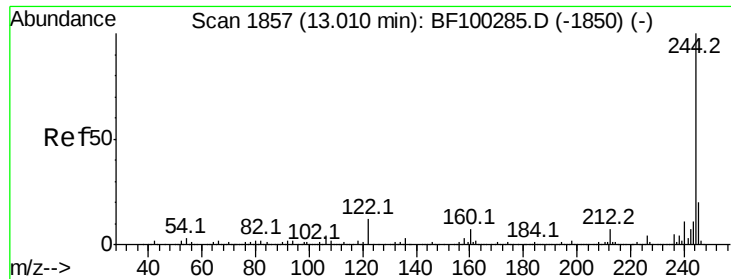
Delta R.T. -0.01 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Tgt Ion:	202	Resp:	271999
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5





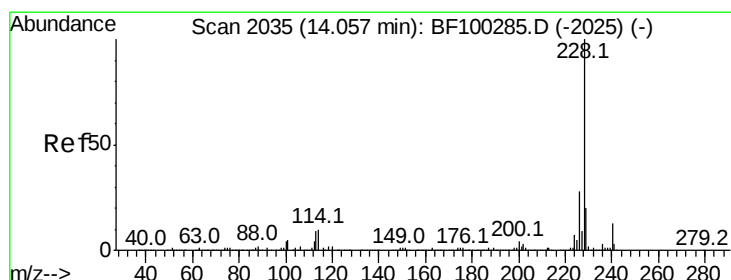
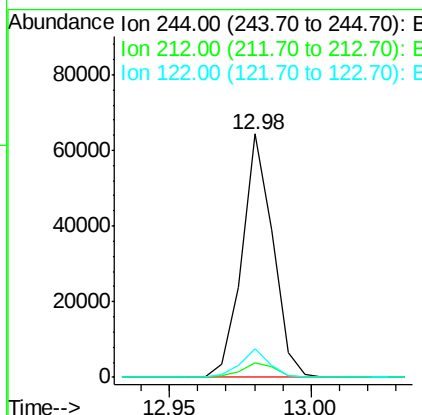
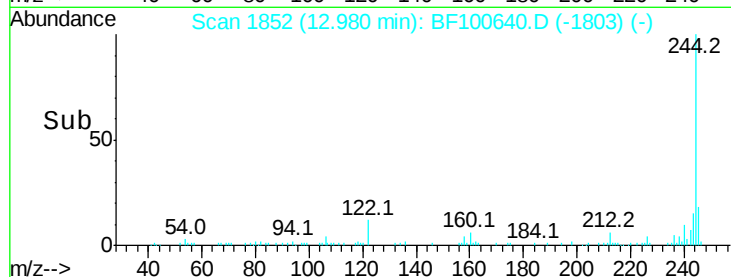
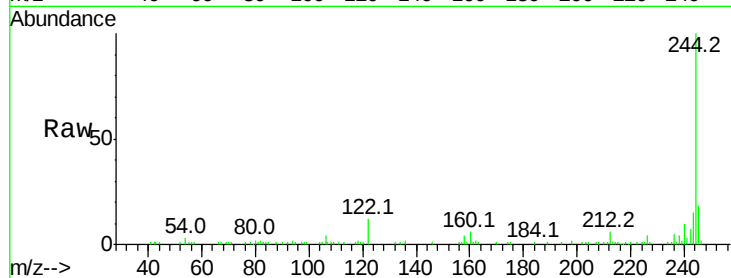
#78
 Terphenyl-d14
 Concen: 4.937 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	11.8	11.0	16.4

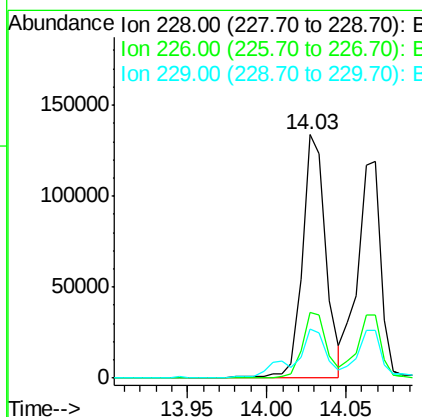
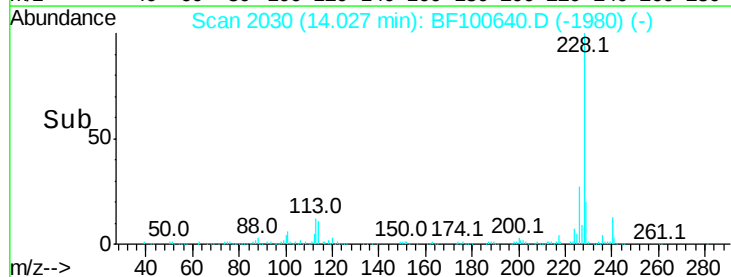
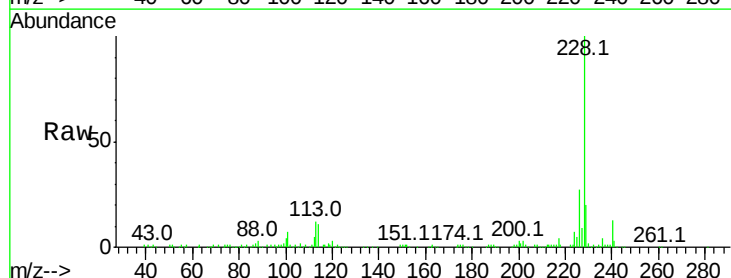
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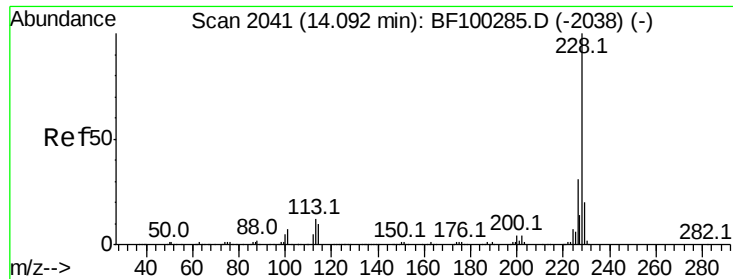
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#80
 Benzo(a)anthracene
 Concen: 10.070 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 9.384 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Instrument :

BNA_F

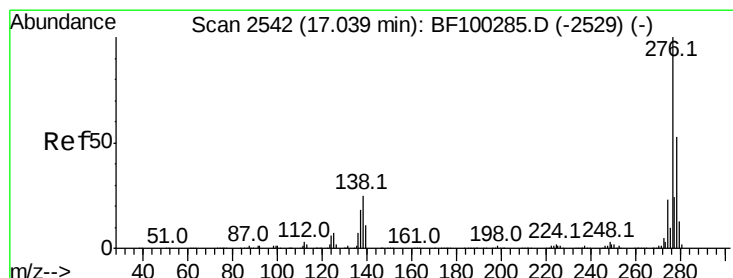
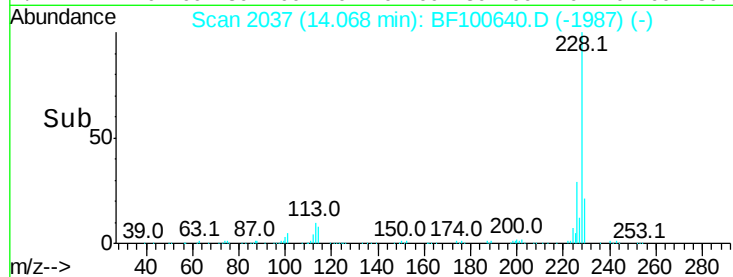
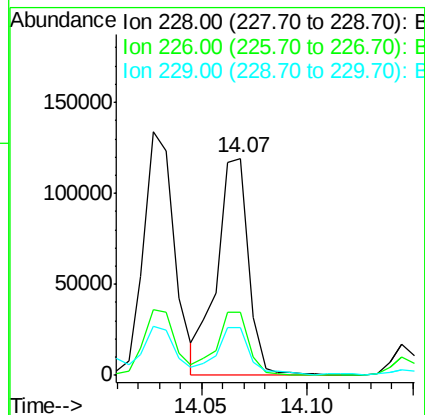
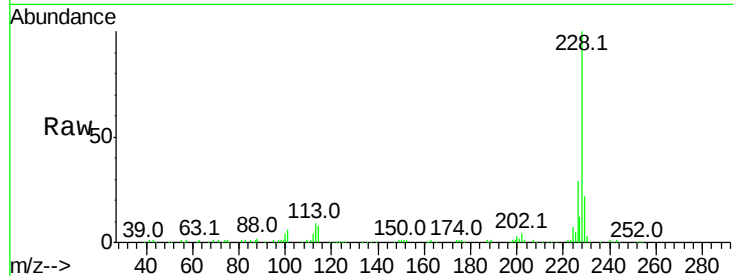
ClientSampled :

W-1

Tot Ion:	228	Resp:	123916
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	22.1	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.061 ng

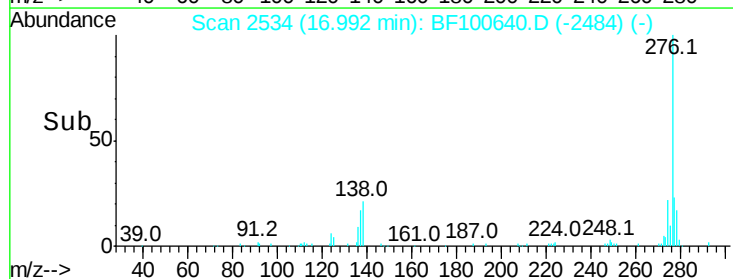
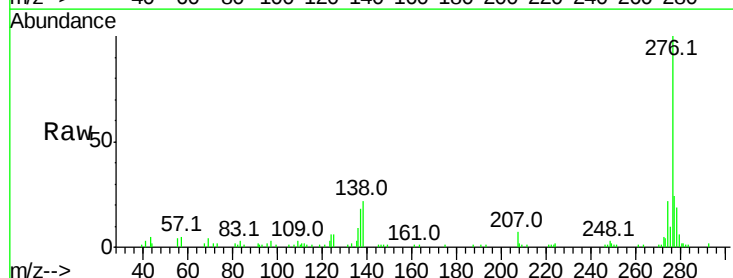
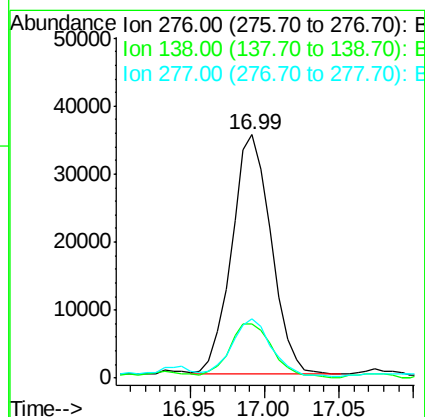
RT: 16.99 min Scan# 2534

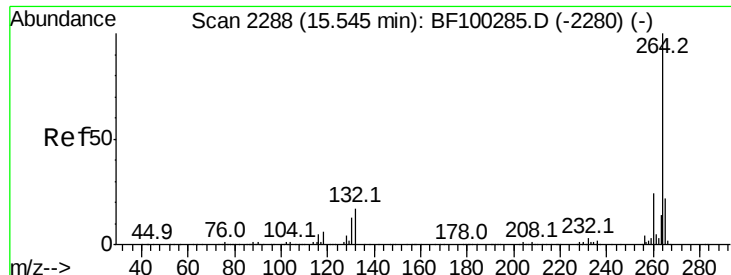
Delta R.T. -0.01 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Tgt Ion:	276	Resp:	64737
Ion Ratio	Lower	Upper	
276	100		
138	25.3	25.0	37.6
277	23.7	20.1	30.1





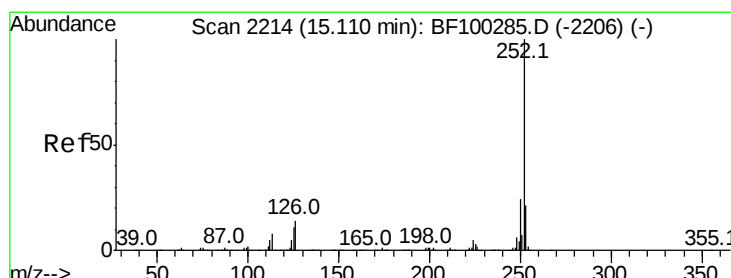
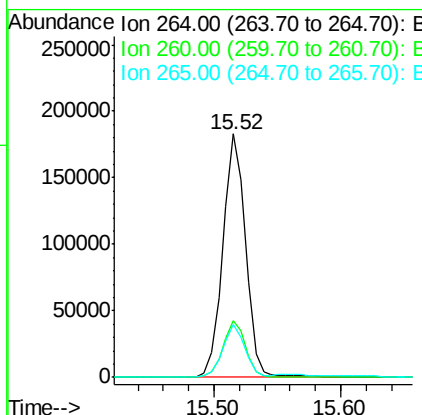
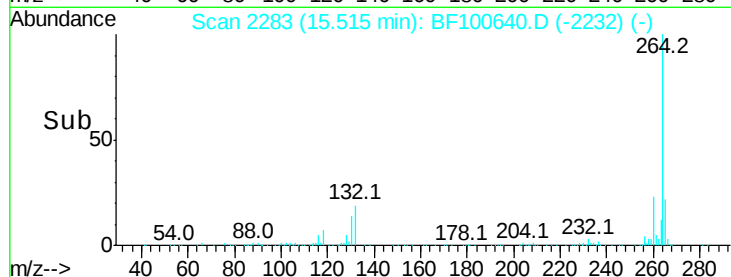
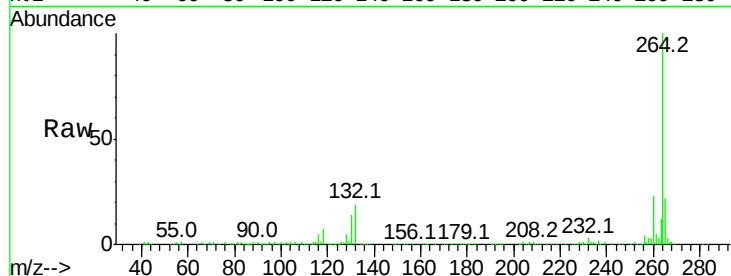
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3

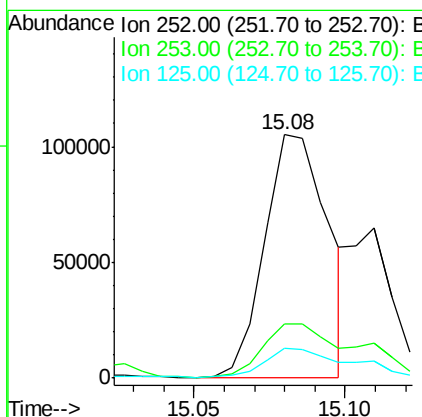
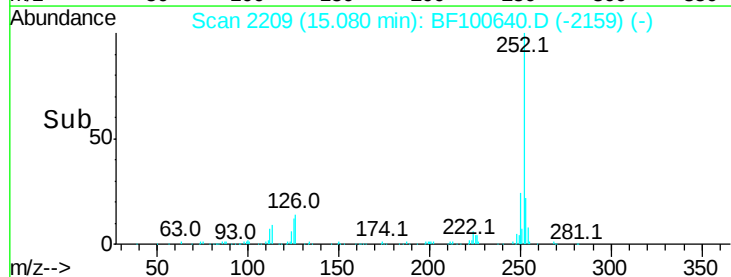
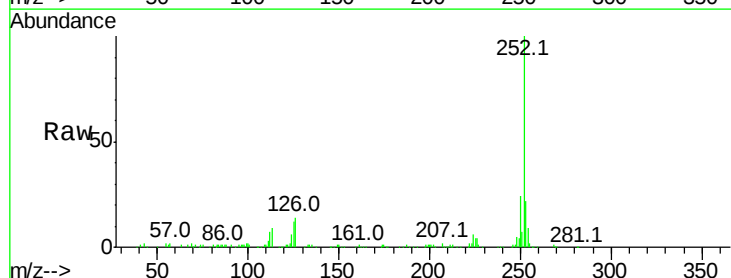
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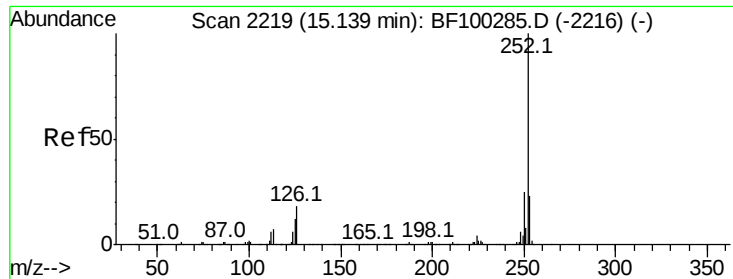
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#87
Benzo(b)fluoranthene
Concen: 11.420 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100640.D
Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.3	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 4.829 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF100640.D

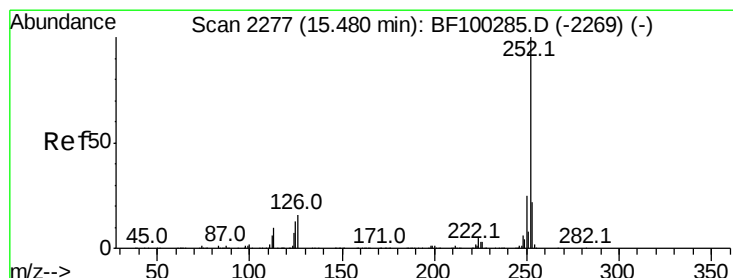
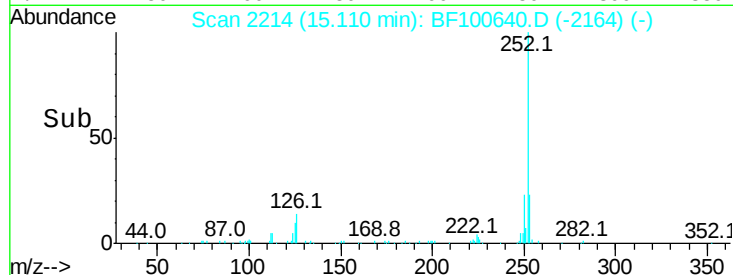
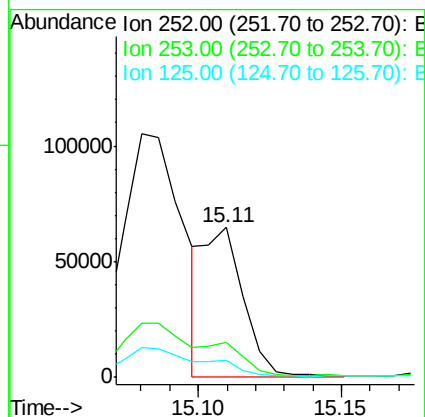
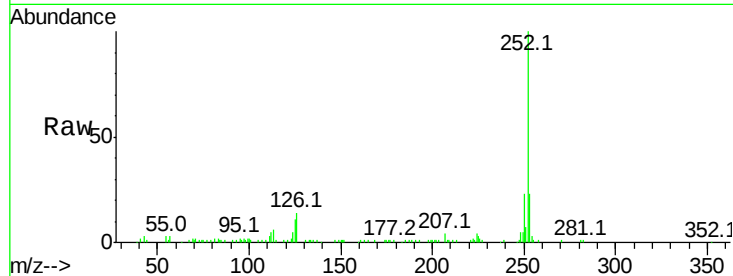
Acq: 16 Nov 2017 19:35

Instrument :
BNA_F
ClientSampled :
W-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.0	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 8.929 ng

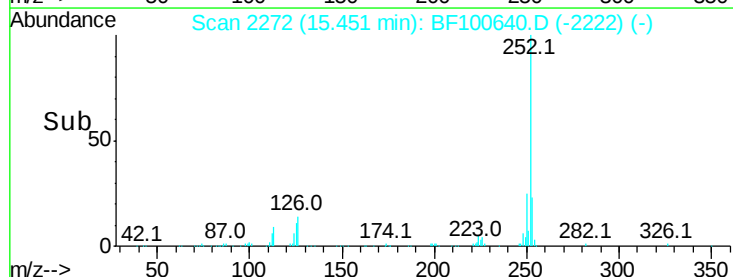
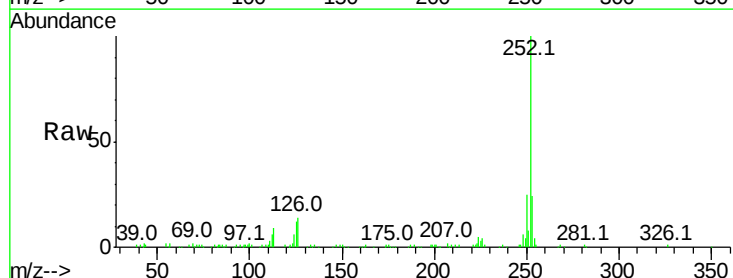
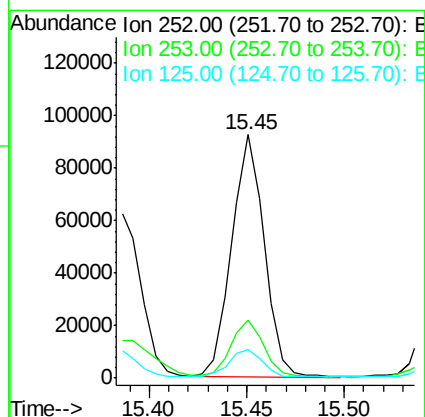
RT: 15.45 min Scan# 2272

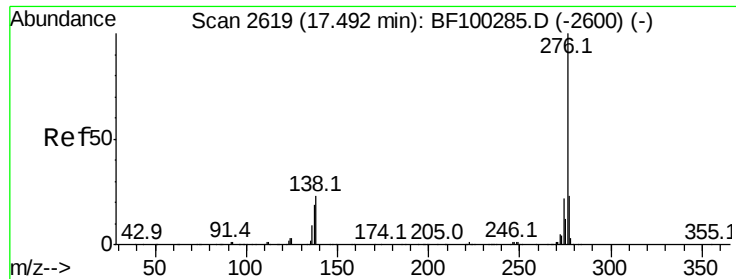
Delta R.T. -0.01 min

Lab File: BF100640.D

Acq: 16 Nov 2017 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	11.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.074 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF100640.D
 Acq: 16 Nov 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	19.2	21.8	32.8

Manual Integrations
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SOHIL
 11/17/2017 1:25:09 PM

