

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100780.D
 Acq On : 21 Nov 2017 15:11
 Operator : SJ/JU
 Sample : I6340-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HL-2A

Manual Integrations
 APPROVED

Sohil
 11/22/2017 5:04:10 PM

Quant Time: Nov 22 05:54:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	77717	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	315082	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	147542	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	281859	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	168348	20.00	ng	-0.01
86) Perylene-d12	15.50	264	171840	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	429842	88.66	ng	0.00
7) Phenol-d6	6.50	99	511225	85.51	ng	-0.01
23) Nitrobenzene-d5	7.43	82	315421	66.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	136081	90.51	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	509406	52.57	ng	-0.01
78) Terphenyl-d14	12.97	244	375271	51.22	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.62	163	46544	4.132	ng	98
70) Phenanthrene	11.42	178	82883	5.585	ng	99
74) Fluoranthene	12.60	202	160636	10.213	ng	97
77) Pyrene	12.83	202	131811	10.984	ng	98
80) Benzo(a)anthracene	14.02	228	52752	5.203	ng	97
82) Chrysene	14.06	228	52771	5.375	ng	99
83) Bis(2-ethylhexyl)phthalate	14.00	149	55951	8.692	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	31476	3.964	ng	97
87) Benzo(b)fluoranthene	15.07	252	63220m	6.210	ng	
89) Benzo(a)pyrene	15.44	252	41675	4.617	ng	# 96
91) Benzo(g,h,i)perylene	17.43	276	30653	4.242	ng	94

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

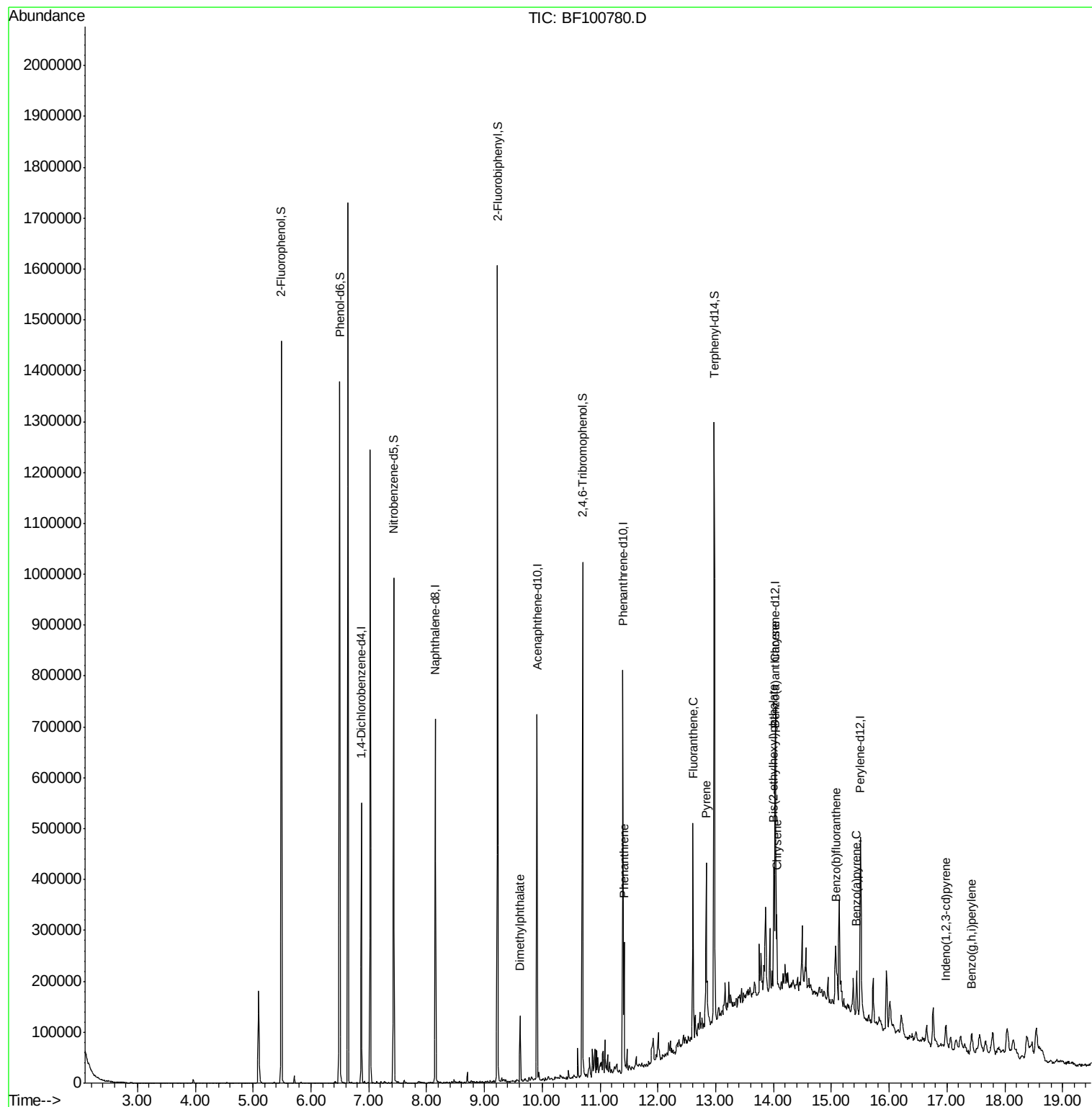
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100780.D
Acq On : 21 Nov 2017 15:11
Operator : SJ/JU
Sample : I6340-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

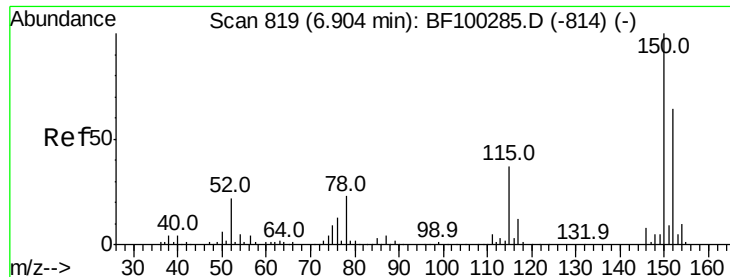
Instrument :
BNA_F
ClientSampleId :
HL-2A

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#1

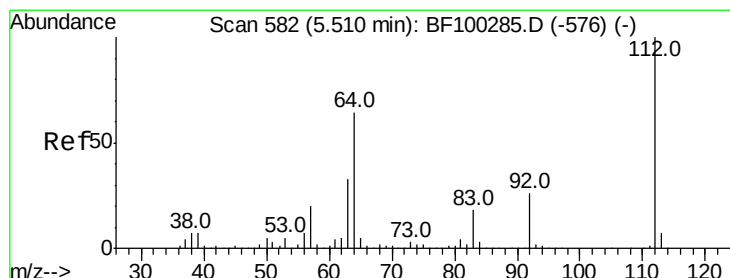
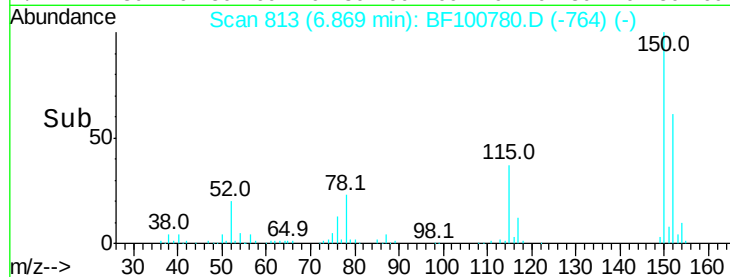
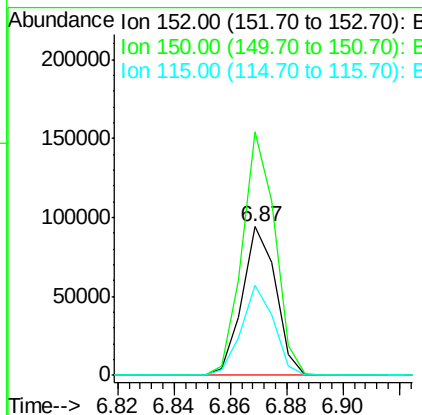
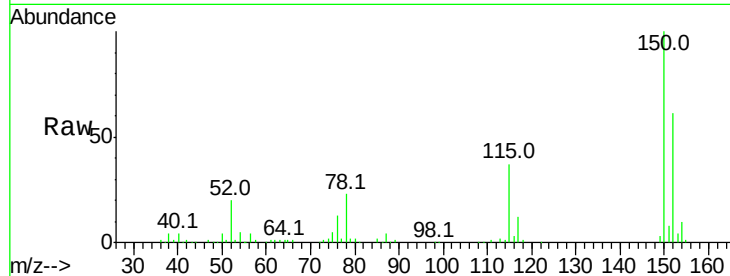
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Instrument :
BNA_F
ClientSampleId :
HL-2A

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	124.6	186.8
115	61.0	50.1	75.1

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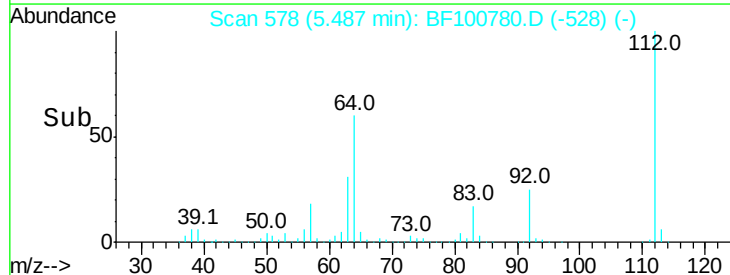
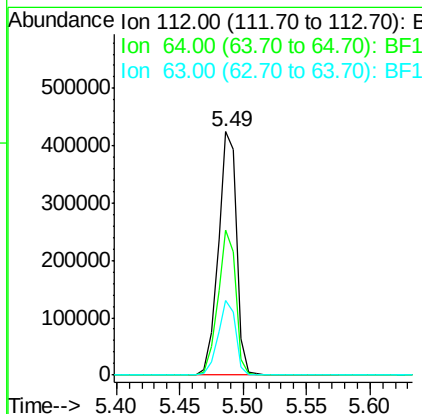
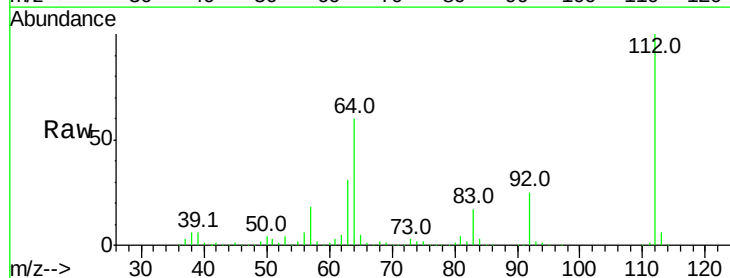
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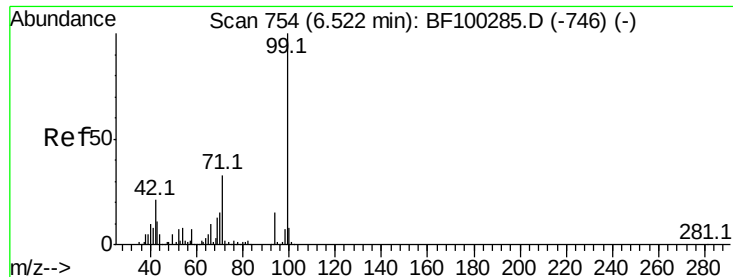


#5

2-Fluorophenol
Concen: 88.659 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 85.510 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100780.D

Acq: 21 Nov 2017 15:11

Instrument :

BNA_F

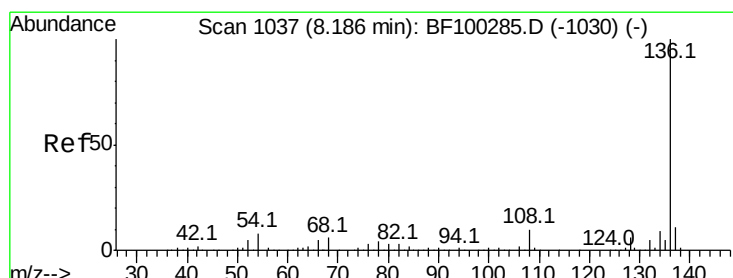
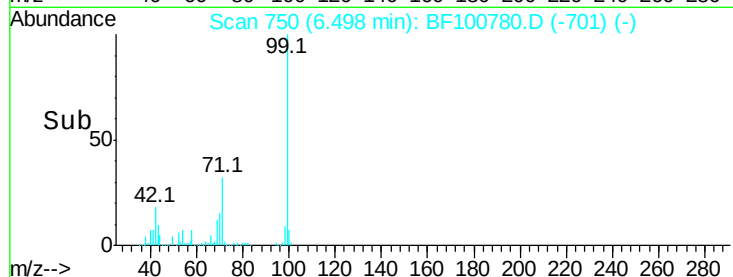
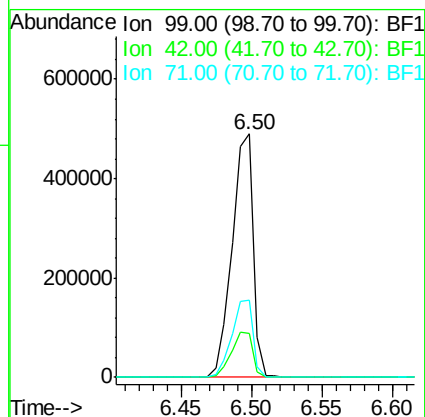
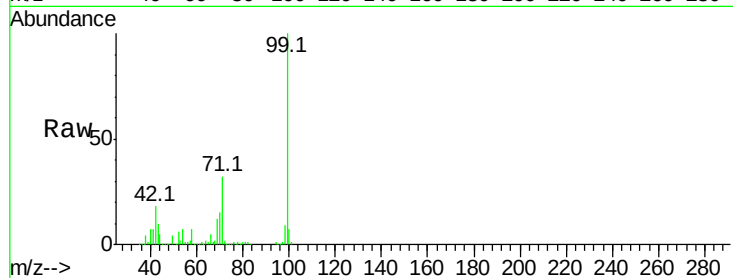
ClientSampleId :

HL-2A

Tot Ion:	99	Resp:	511225
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.5	21.7
71	31.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

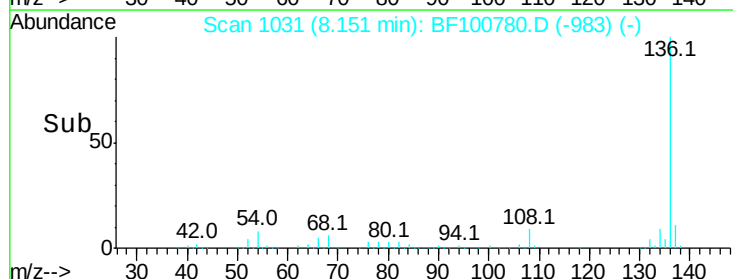
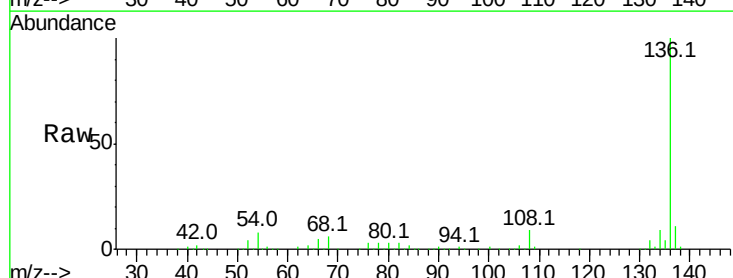
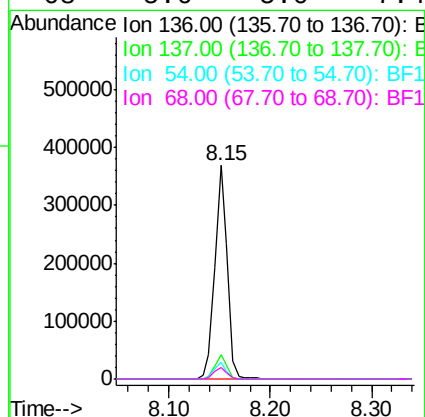
RT: 8.15 min Scan# 1031

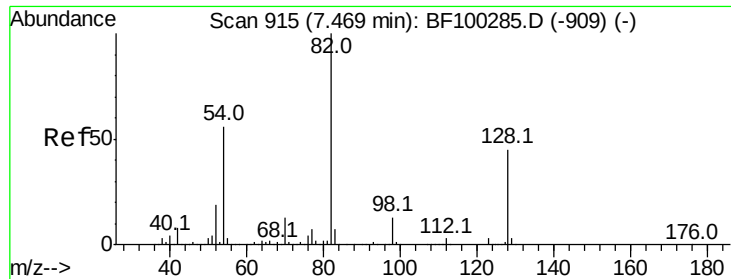
Delta R.T. -0.02 min

Lab File: BF100780.D

Acq: 21 Nov 2017 15:11

Tgt Ion:	136	Resp:	315082
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.9	6.6	9.8
68	5.6	5.0	7.4





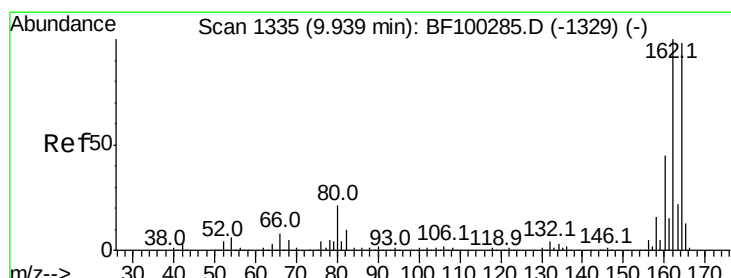
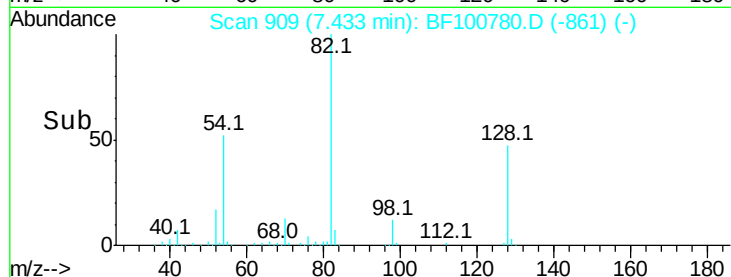
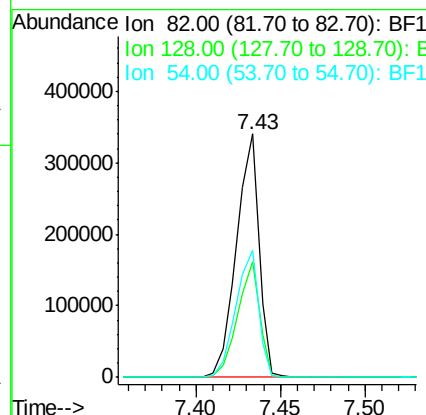
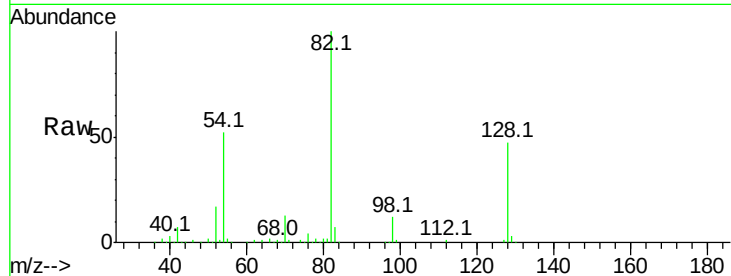
#23
Nitrobenzene-d5
Concen: 66.184 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Instrument :
BNA_F
ClientSampled :
HL-2A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	52.0	41.4	62.2

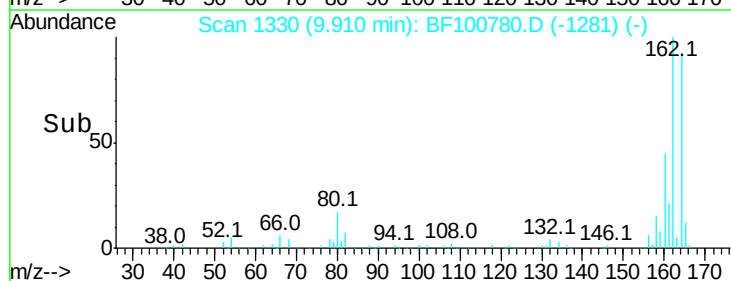
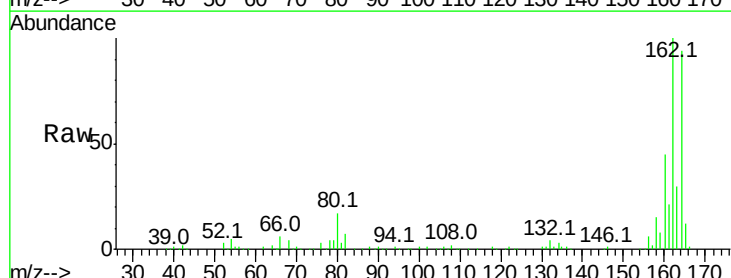
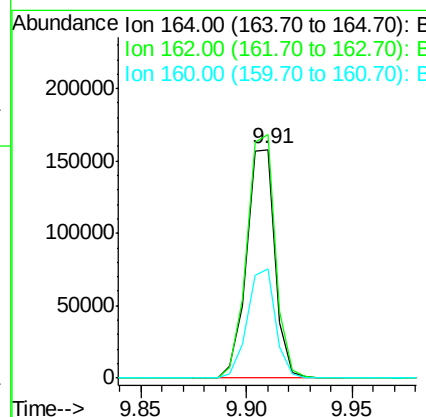
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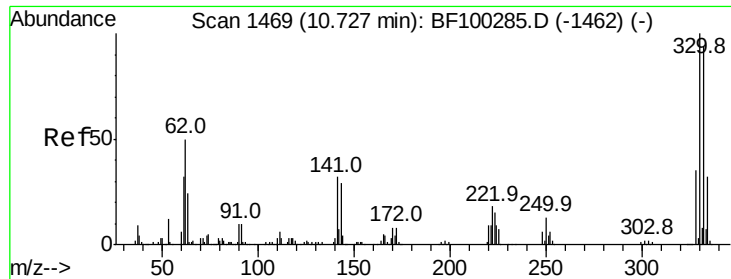
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	86.1	129.1
160	47.7	38.3	57.5





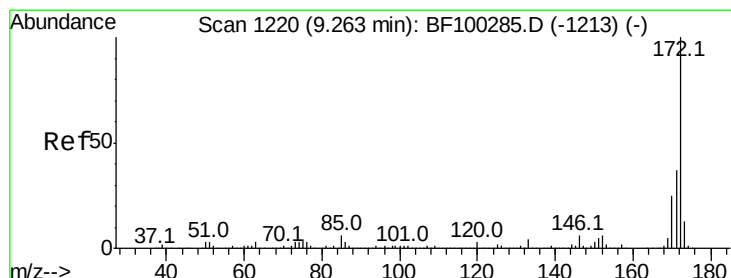
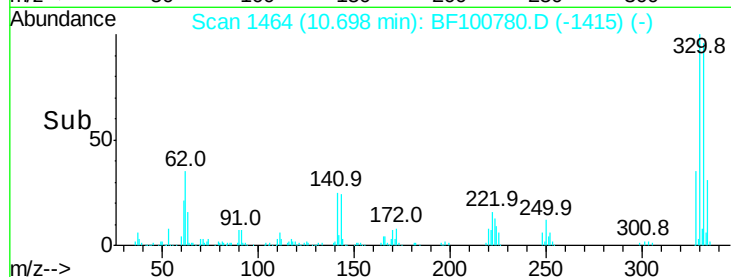
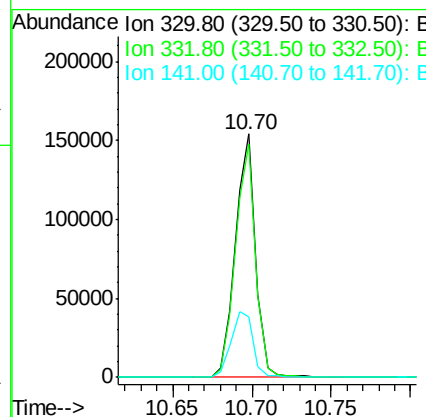
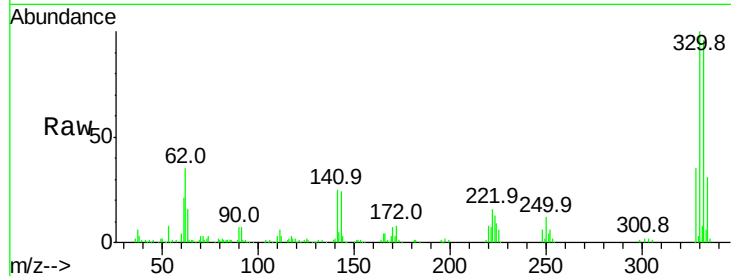
#41
 2,4,6-Tribromophenol
 Concen: 90.512 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100780.D
 Acq: 21 Nov 2017 15:11

Instrument :
 BNA_F
 ClientSampled :
 HL-2A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.0	115.6	
141	29.5	29.9	44.9	

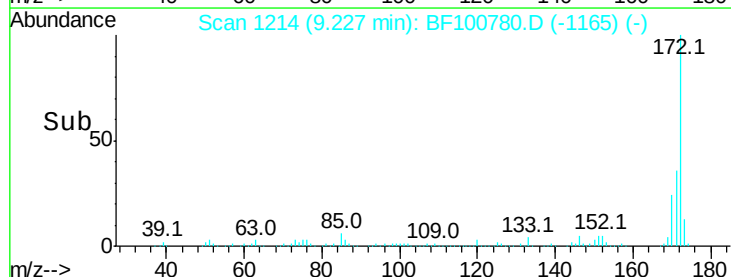
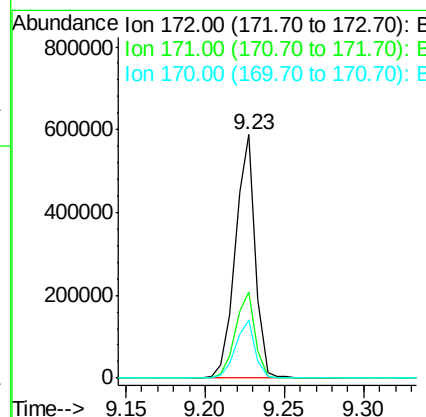
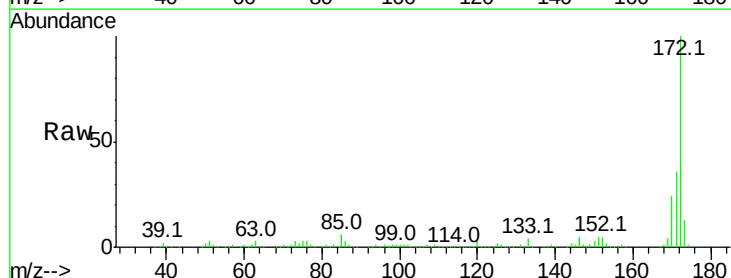
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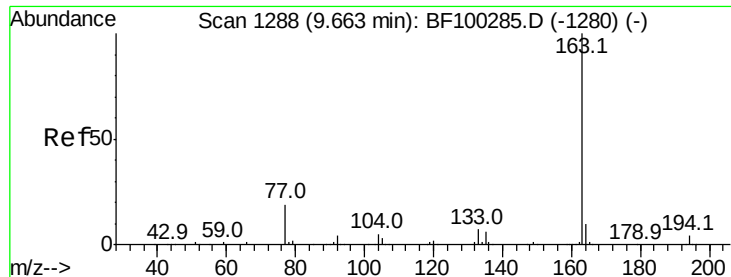
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#44
 2-Fluorobiphenyl
 Concen: 52.573 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100780.D
 Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	23.8	19.6	29.4	





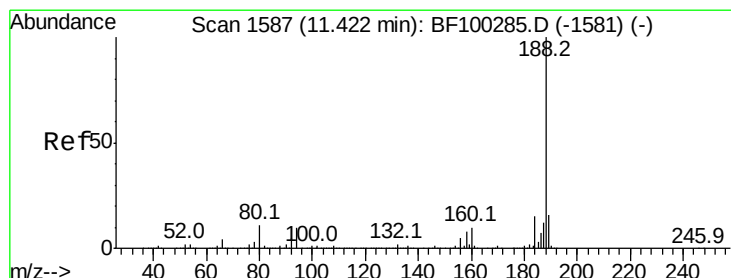
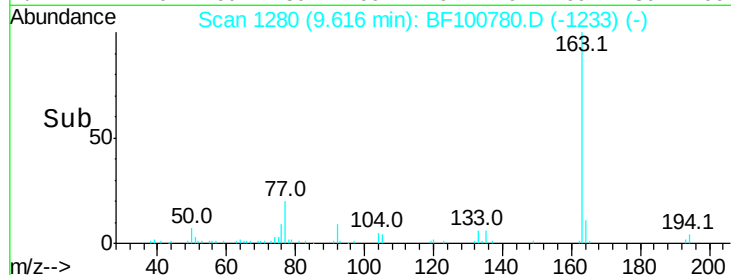
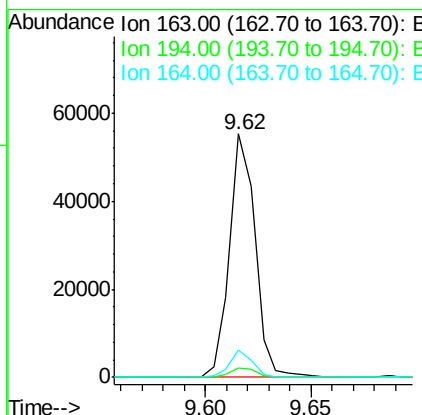
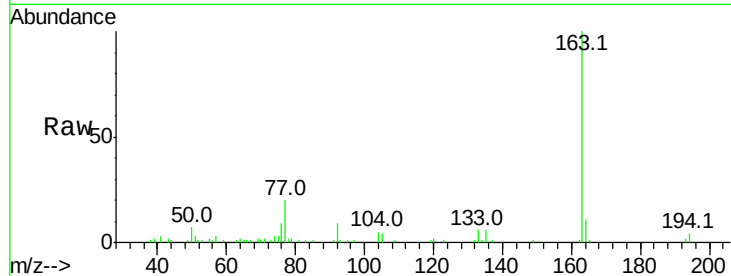
#49
Dimethylphthalate
Concen: 4.132 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Instrument :
BNA_F
ClientSampled :
HL-2A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	46544		
194	3.9		2.7	4.1
164	11.2		8.2	12.2

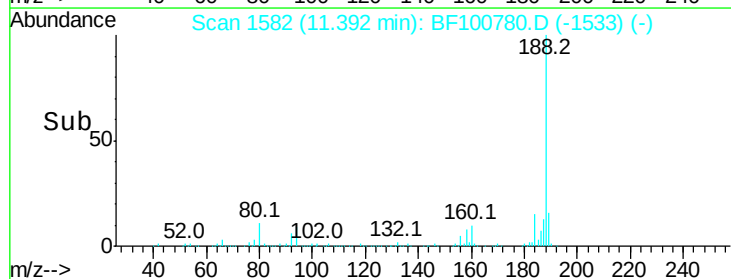
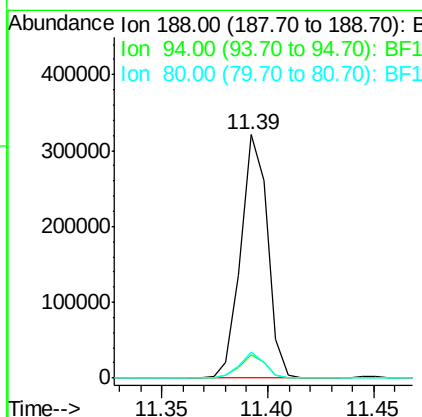
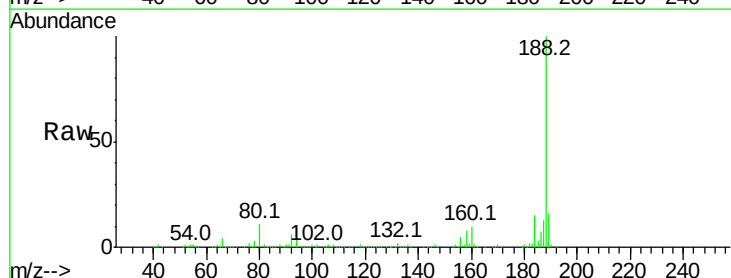
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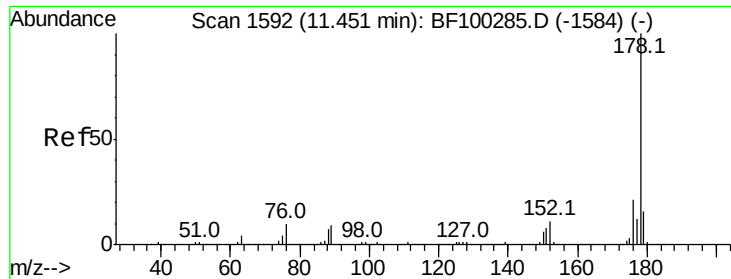
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	281859		
94	9.5		8.5	12.7
80	10.6		9.2	13.8





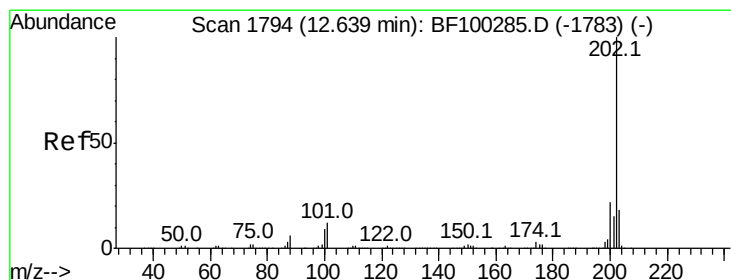
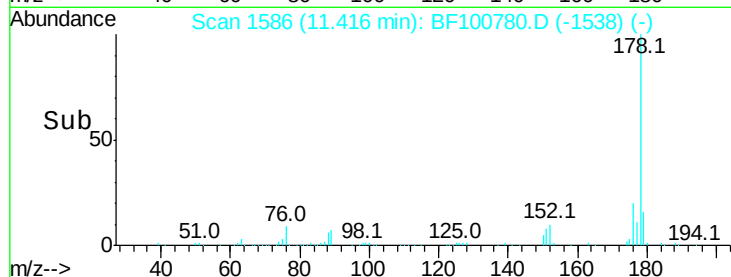
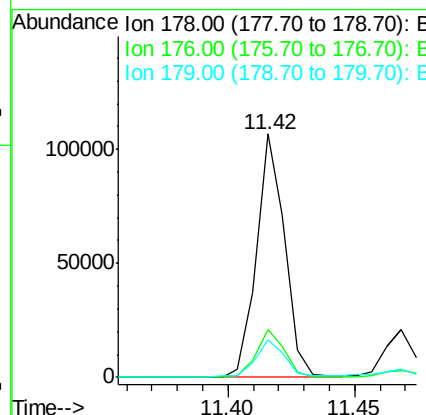
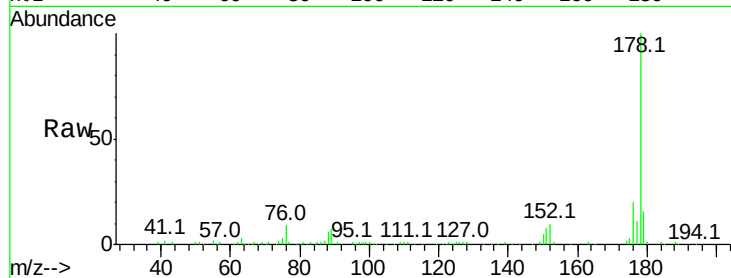
#70
Phenanthrene
Concen: 5.585 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Instrument :
BNA_F
ClientSampled :
HL-2A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6

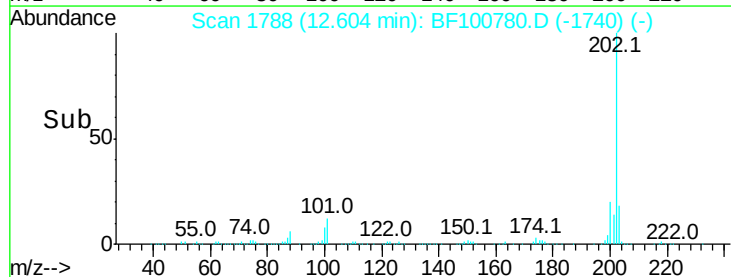
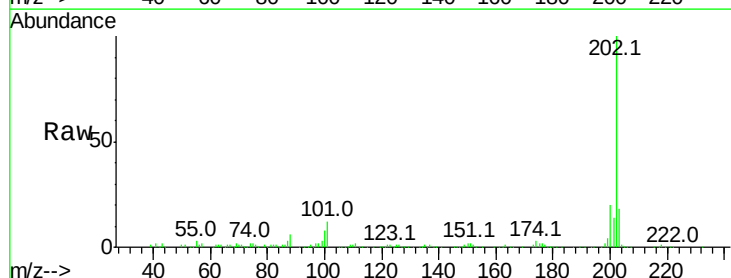
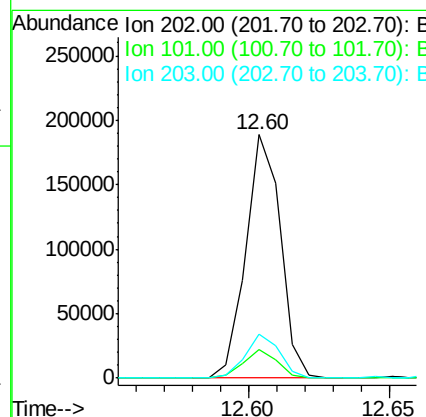
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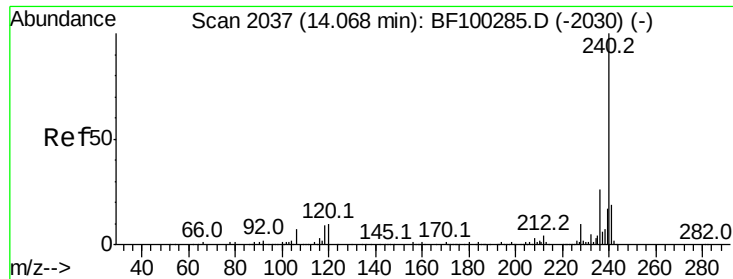
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#74
Fluoranthene
Concen: 10.213 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100780.D

Acq: 21 Nov 2017 15:11

Instrument :

BNA_F

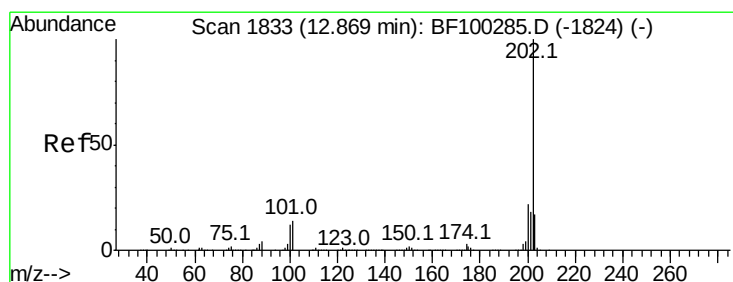
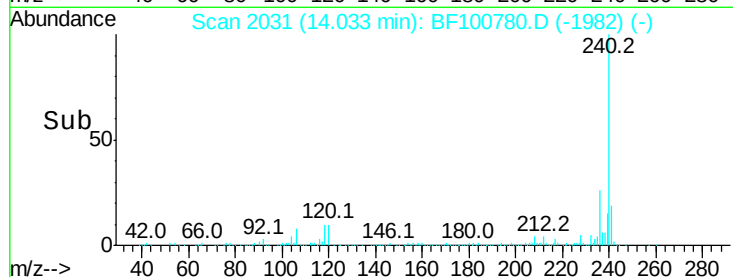
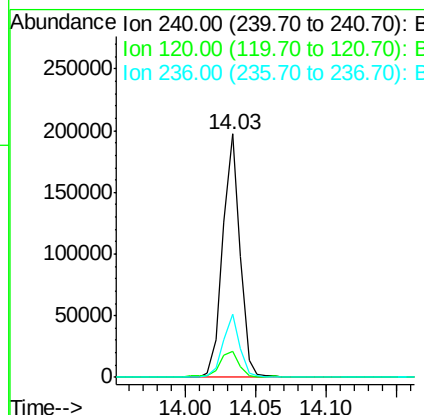
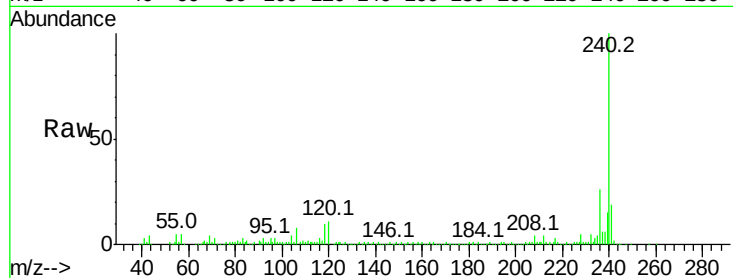
ClientSampleId :

HL-2A

Tot Ion:	240	Resp:	168348
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 10.984 ng

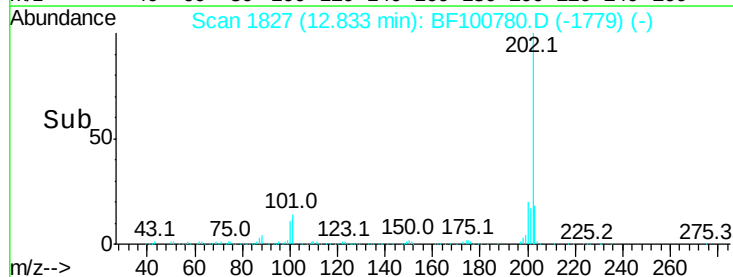
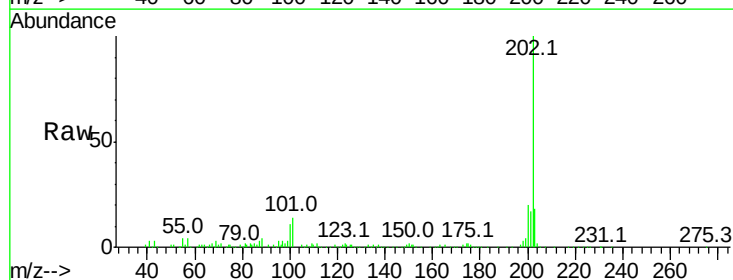
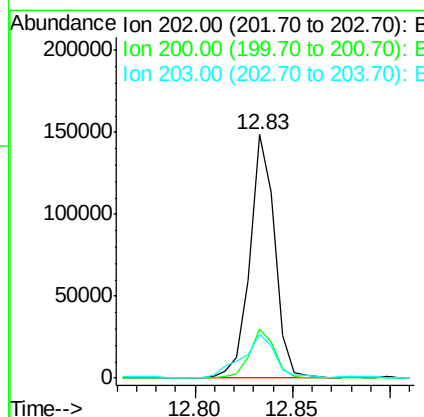
RT: 12.83 min Scan# 1827

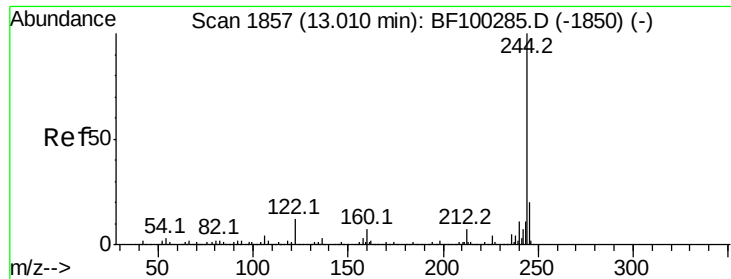
Delta R.T. -0.02 min

Lab File: BF100780.D

Acq: 21 Nov 2017 15:11

Tgt Ion:	202	Resp:	131811
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.4	26.2
203	17.9	14.3	21.5





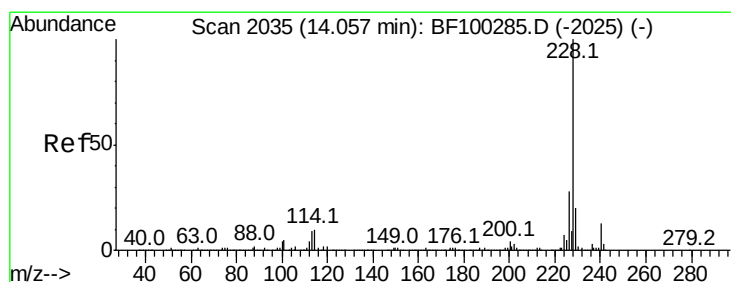
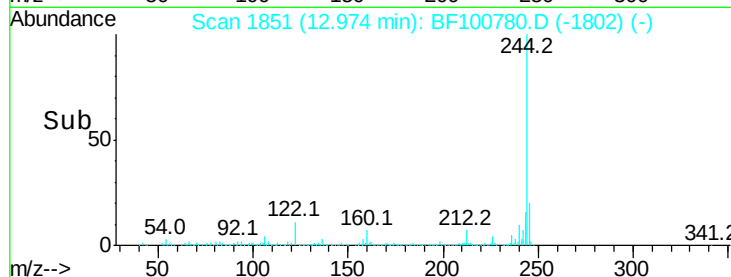
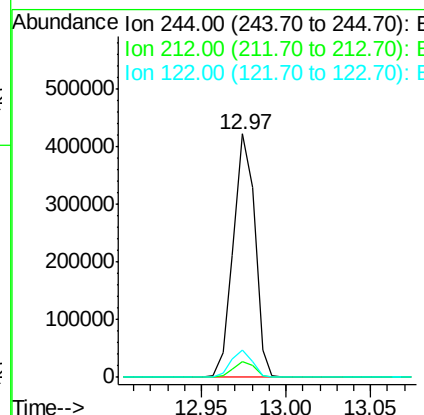
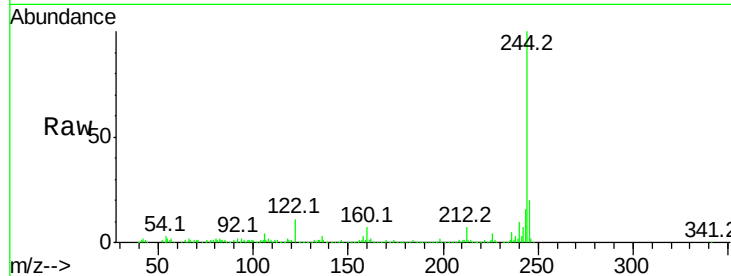
#78
 Terphenyl-d14
 Concen: 51.219 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100780.D
 Acq: 21 Nov 2017 15:11

Instrument :
 BNA_F
 ClientSampled :
 HL-2A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.4	11.0	16.4

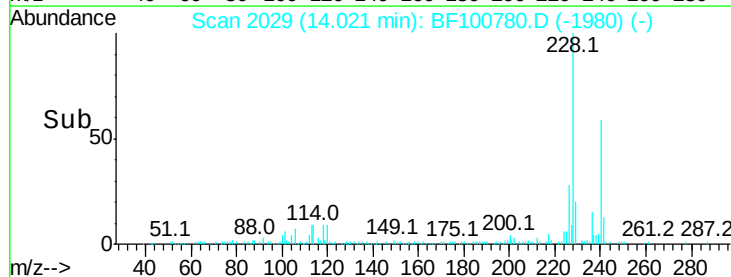
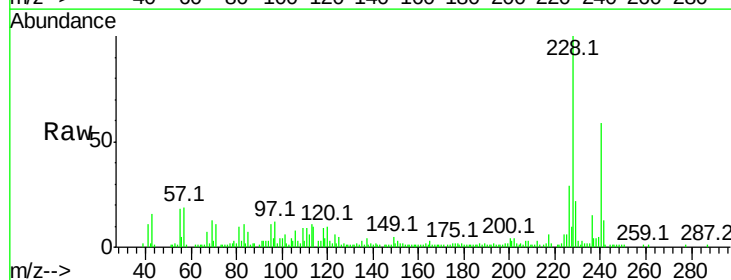
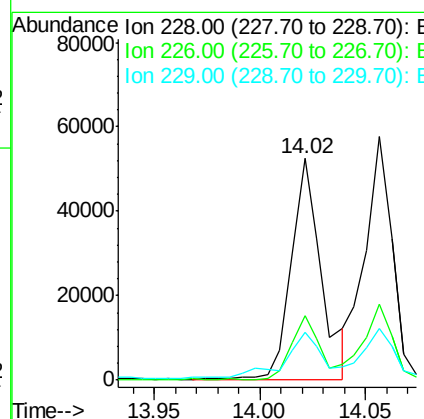
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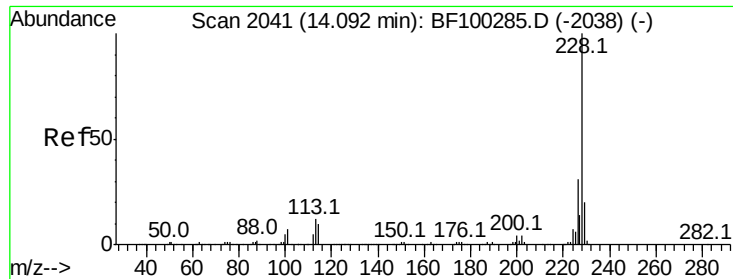
Sohil
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#80
 Benzo(a)anthracene
 Concen: 5.203 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100780.D
 Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.9	15.8	23.6





#82

Chrysene

Concen: 5.375 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100780.D

Acq: 21 Nov 2017 15:11

Instrument :

BNA_F

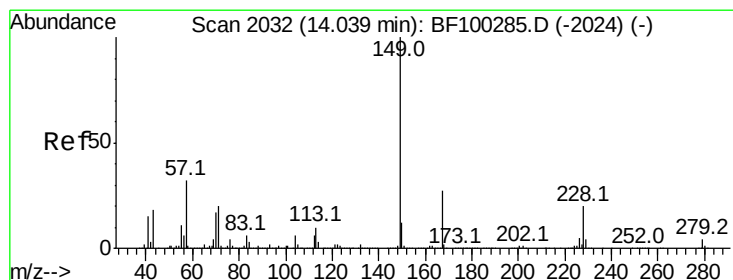
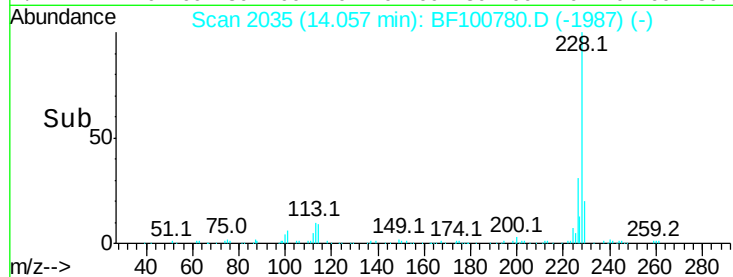
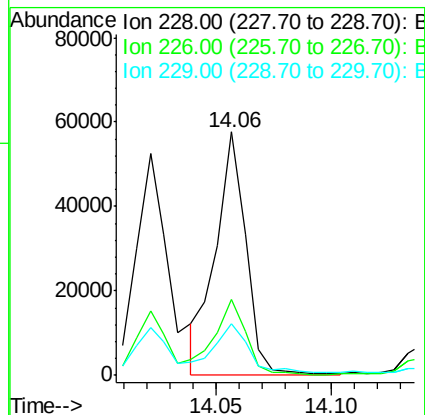
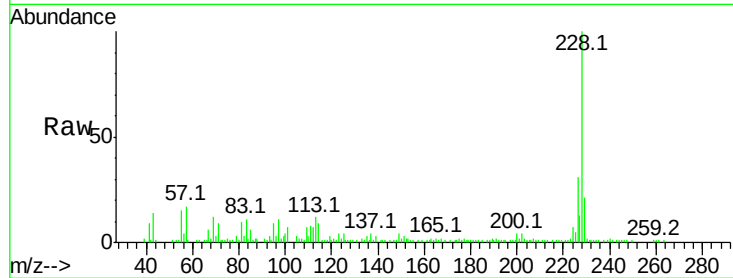
ClientSampled :

HL-2A

Tot Ion:	228	Resp:	52771
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	21.2	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 8.692 ng

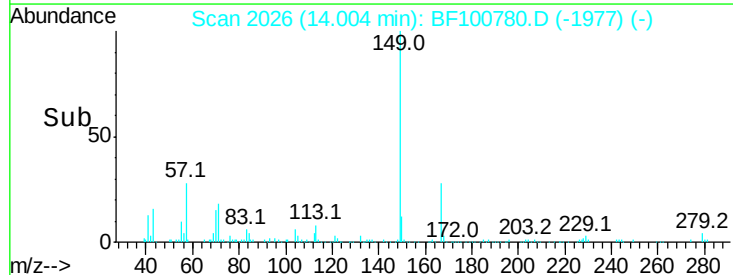
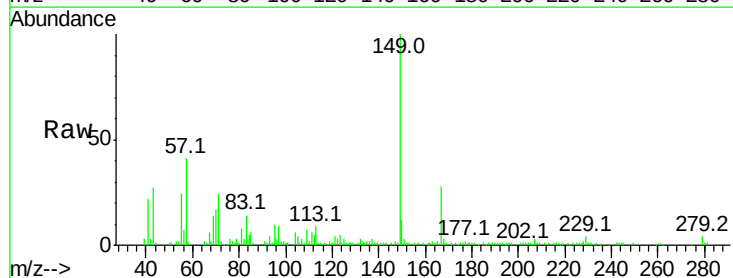
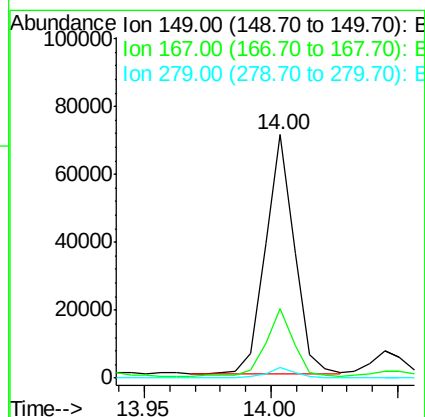
RT: 14.00 min Scan# 2026

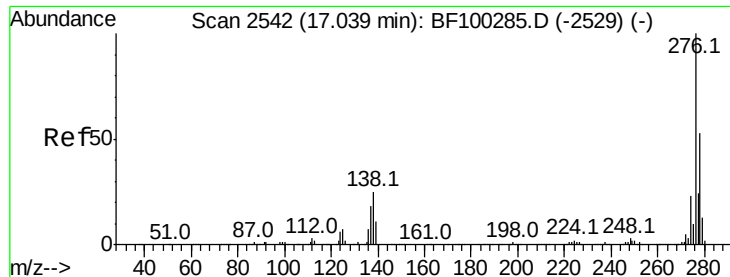
Delta R.T. -0.01 min

Lab File: BF100780.D

Acq: 21 Nov 2017 15:11

Tgt Ion:	149	Resp:	55951
Ion Ratio	Lower	Upper	
149	100		
167	28.4	21.3	31.9
279	4.1	3.0	4.4





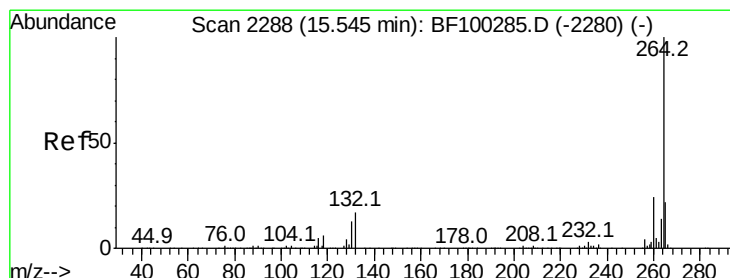
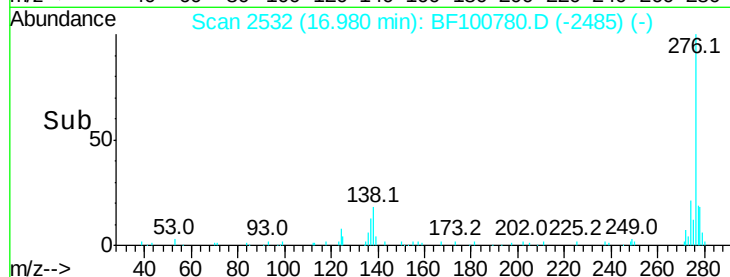
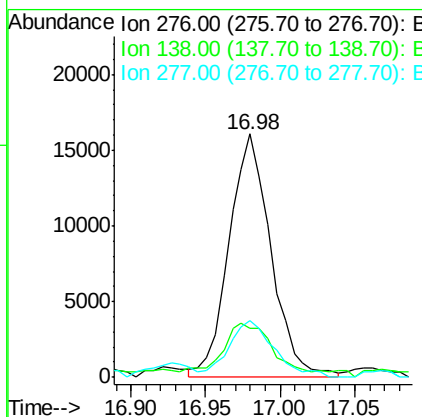
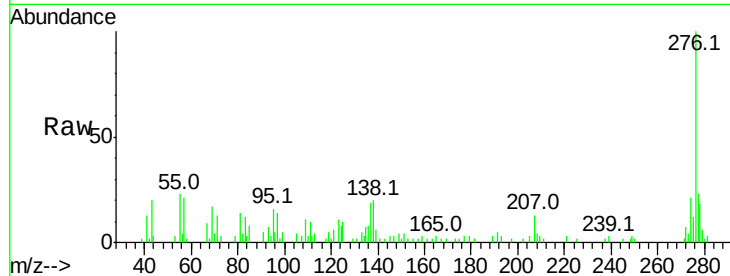
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.964 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Instrument :
BNA_F
ClientSampleId :
HL-2A

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	25.2	20.1	30.1

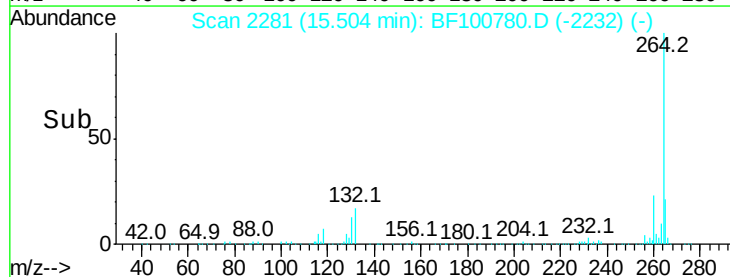
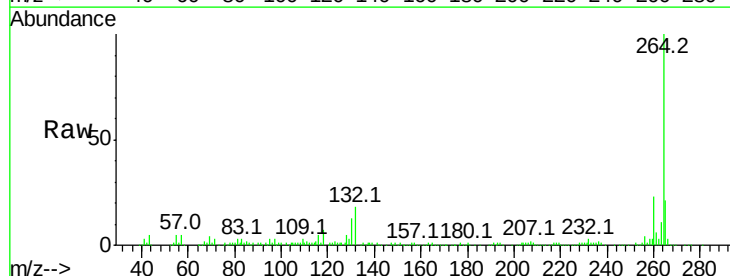
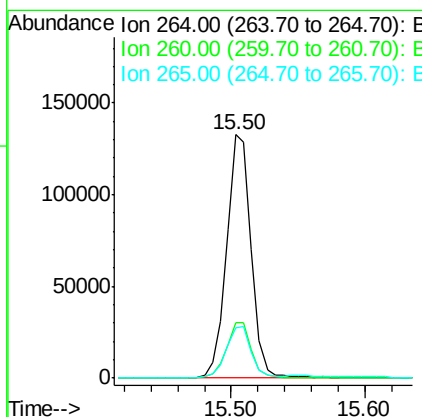
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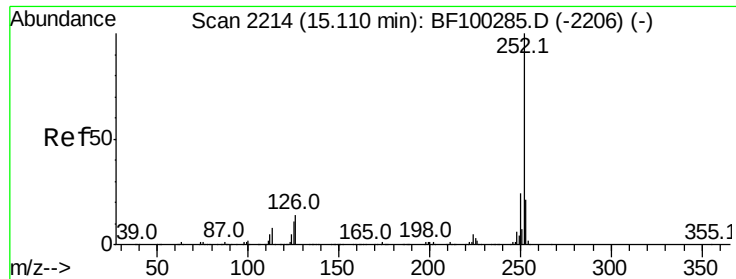
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.9	17.5	26.3





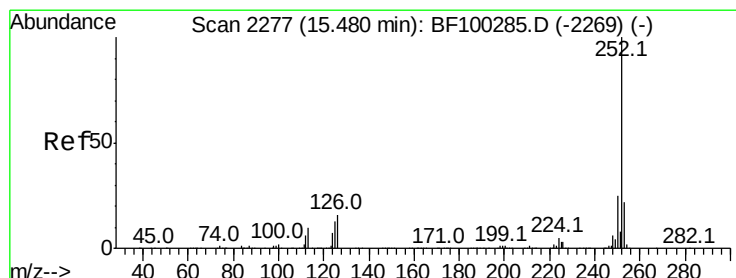
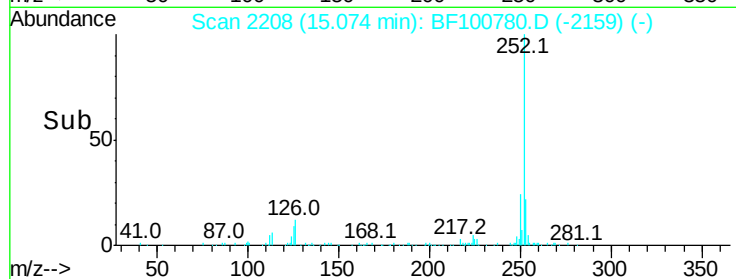
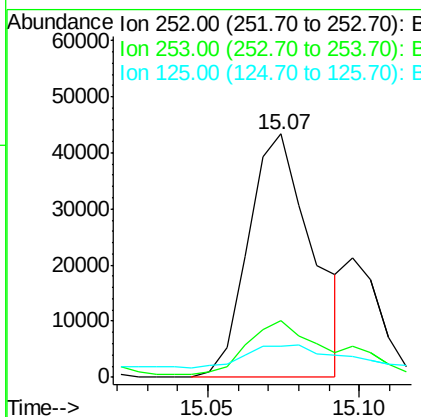
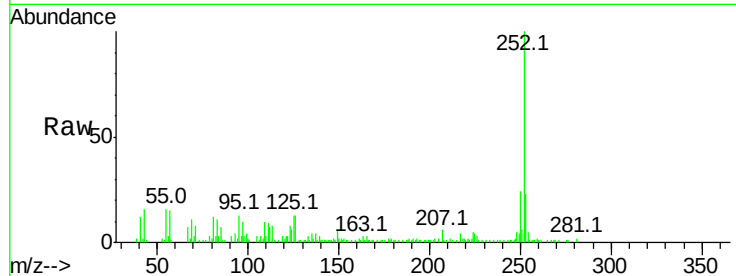
#87
Benzo(b)fluoranthene
Concen: 6.210 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Instrument :
BNA_F
ClientSampled :
HL-2A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.0	9.0	13.6

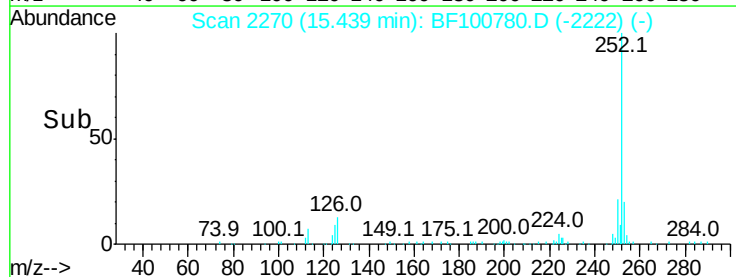
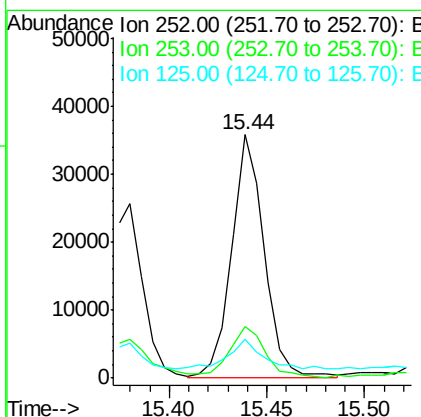
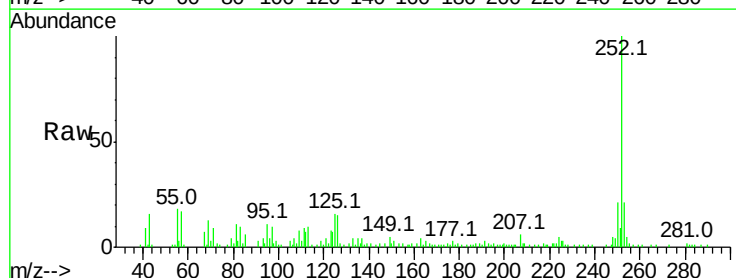
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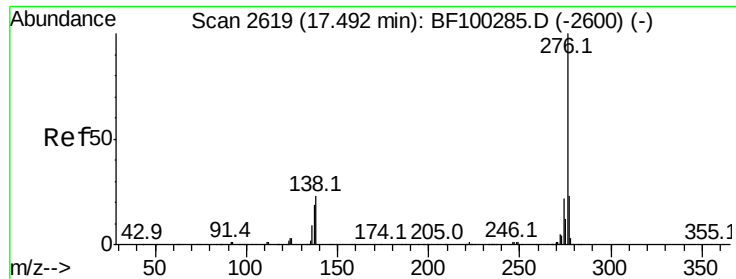
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#89
Benzo(a)pyrene
Concen: 4.617 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100780.D
Acq: 21 Nov 2017 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.1	25.7
125	16.0	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.242 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.02 min
 Lab File: BF100780.D
 Acq: 21 Nov 2017 15:11

Instrument :
 BNA_F
 ClientSampleId :
 HL-2A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	23.5	21.8	32.8

Manual Integrations
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