

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101323.D
 Acq On : 12 Dec 2017 9:10
 Operator : SJ/JU
 Sample : I6764-01DL 4X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-8-E(0-1)DL

Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:59:45 PM

Quant Time: Dec 12 10:10:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	38594	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	142746	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	58877	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	106161	20.00	ng	0.00
75) Chrysene-d12	14.02	240	83911	20.00	ng	0.01
86) Perylene-d12	15.50	264	67933	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	61510	26.34	ng	0.00
7) Phenol-d6	6.46	99	76689	27.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	40711	17.01	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	14679	20.75	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	97069	22.56	ng	0.00
78) Terphenyl-d14	12.95	244	81495	21.24	ng	0.00
Target Compounds						
48) Acenaphthylene	9.73	152	23619	3.752	ng	96
70) Phenanthrene	11.39	178	75689	12.947	ng	98
71) Anthracene	11.44	178	50476	8.531	ng	97
74) Fluoranthene	12.59	202	225148	34.743	ng	91
77) Pyrene	12.82	202	265292	45.818	ng	99
80) Benzo(a)anthracene	14.00	228	147197	27.783	ng	97
82) Chrysene	14.04	228	131206	26.666	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	63255	14.460	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	146322m	35.960	ng	
88) Benzo(k)fluoranthene	15.09	252	53582m	13.366	ng	
89) Benzo(a)pyrene	15.43	252	113915	30.794	ng	96
90) Dibenzo(a,h)anthracene	16.99	278	17796m	5.457	ng	
91) Benzo(a,h,i)perylene	17.44	276	64369	20.944	ng	# 92

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

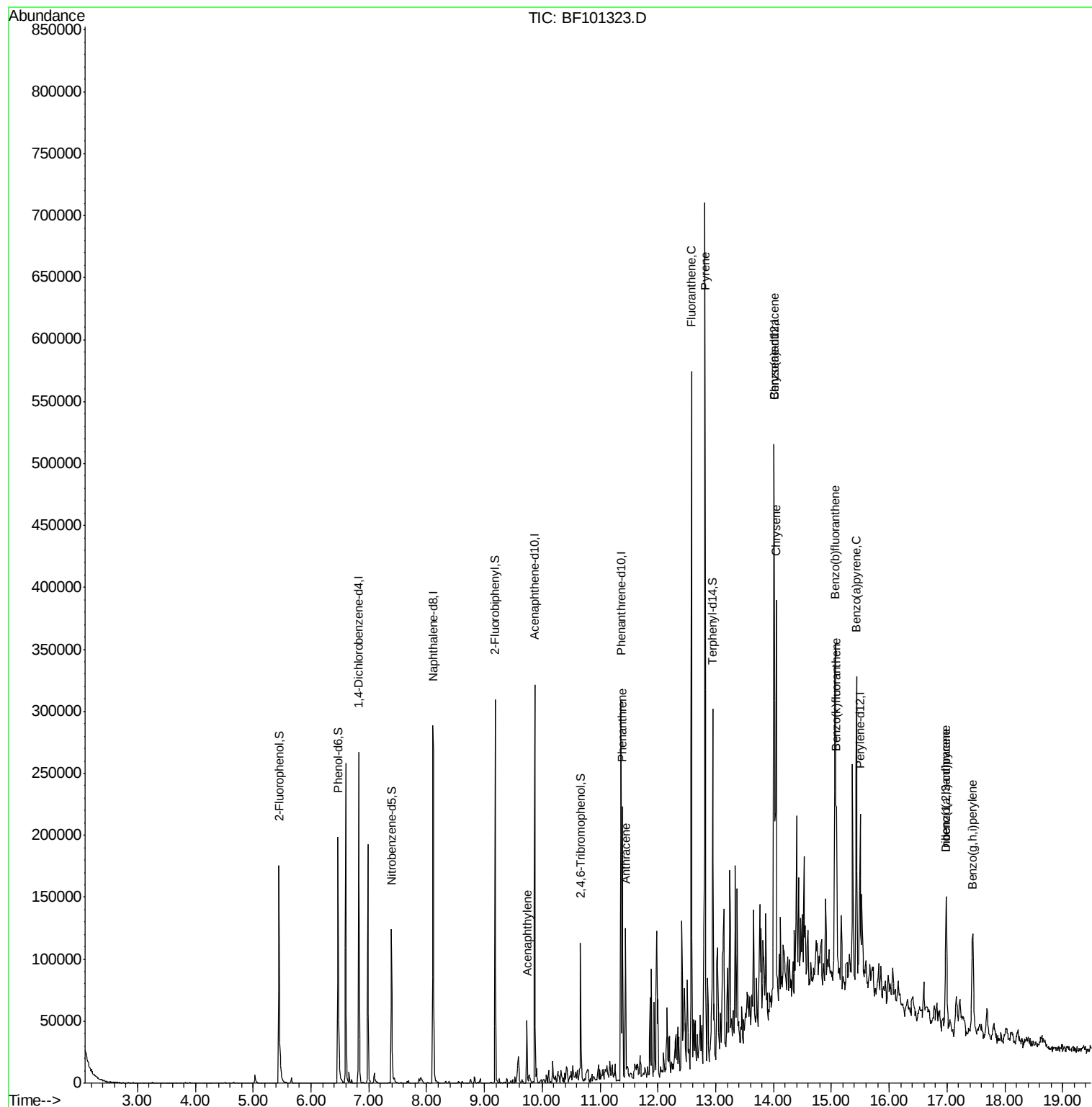
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101323.D
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MAP-8-E(0-1)DL

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#1

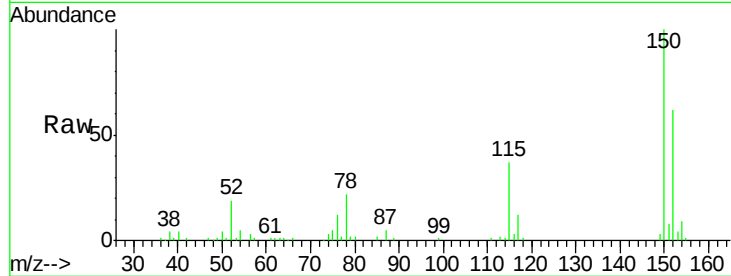
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	60.0	50.1	75.1

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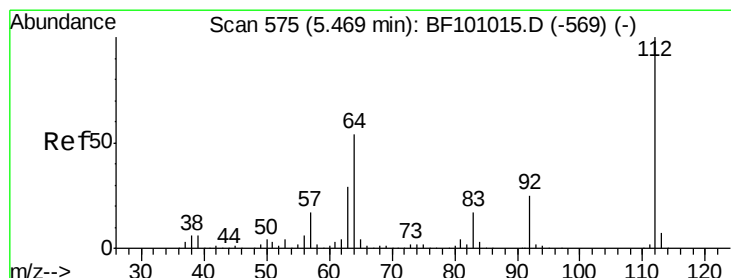
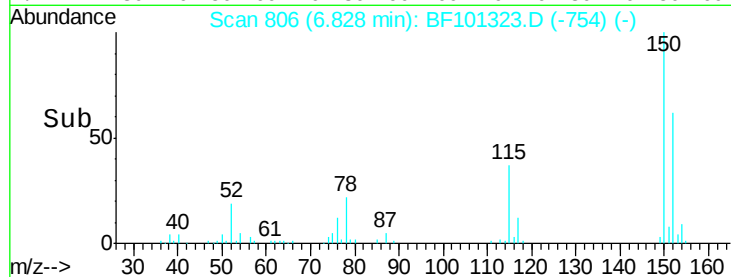
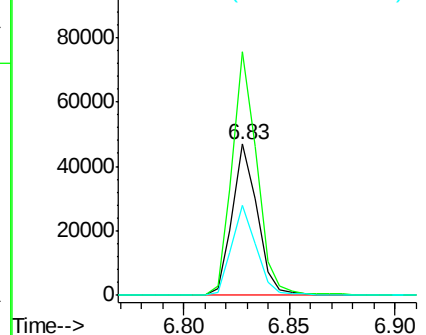


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

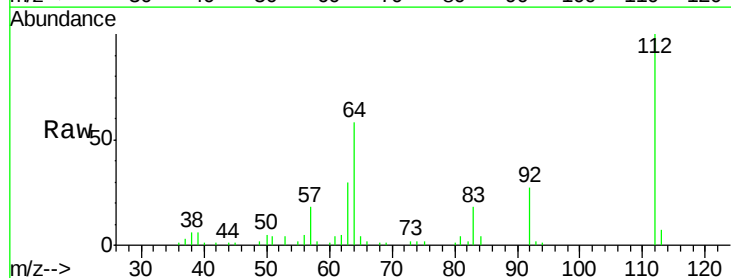
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.336 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	30.1	23.7	35.5

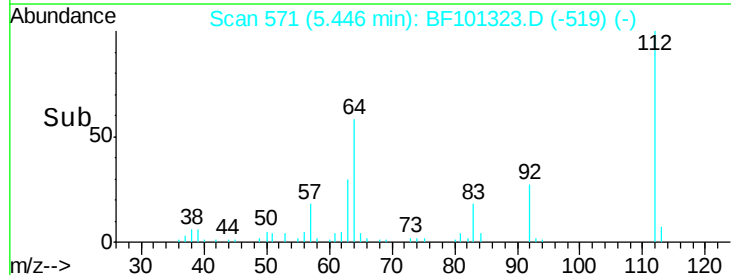
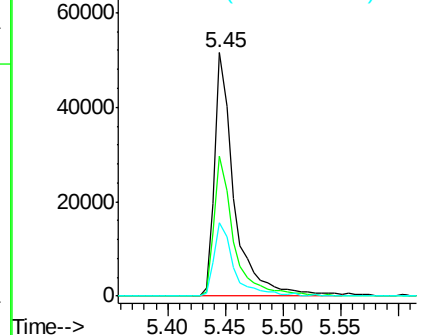


Abundance

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: 27.045 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Instrument :

BNA_F

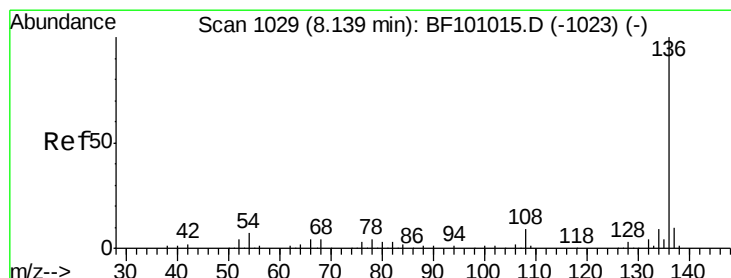
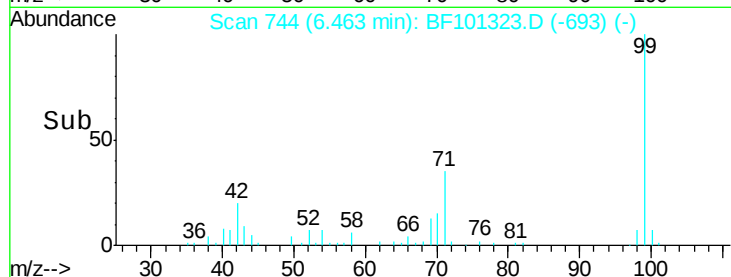
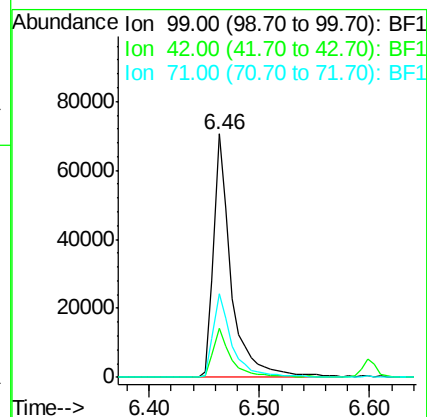
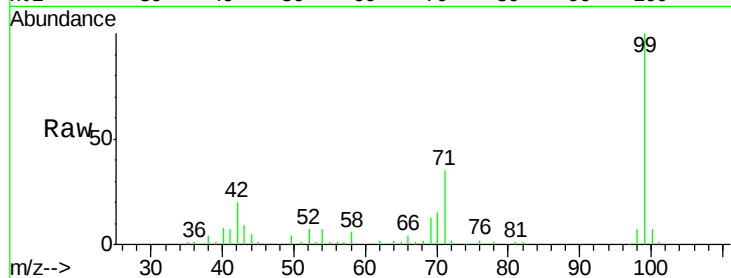
ClientSampleId :

MAP-8-E(0-1)DL

Tot Ion:	99	Resp:	76689
Ion Ratio	Lower	Upper	
99	100		
42	19.9	14.5	21.7
71	34.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

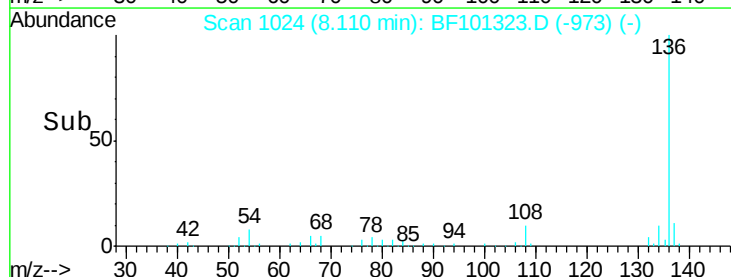
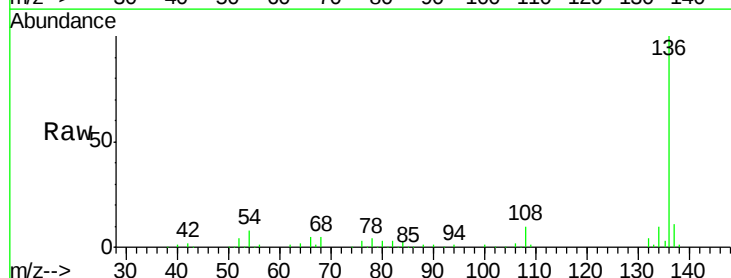
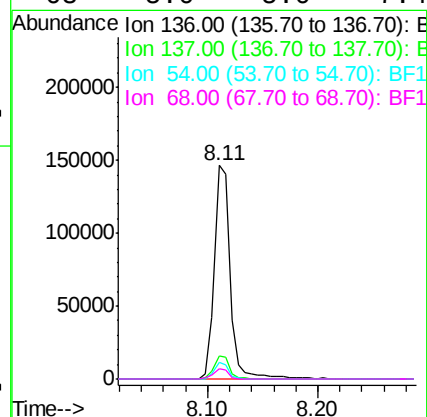
RT: 8.11 min Scan# 1024

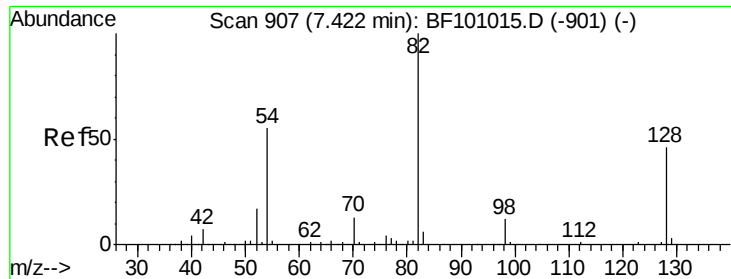
Delta R.T. 0.00 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Tgt Ion:	136	Resp:	142746
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.0	6.6	9.8
68	5.0	5.0	7.4





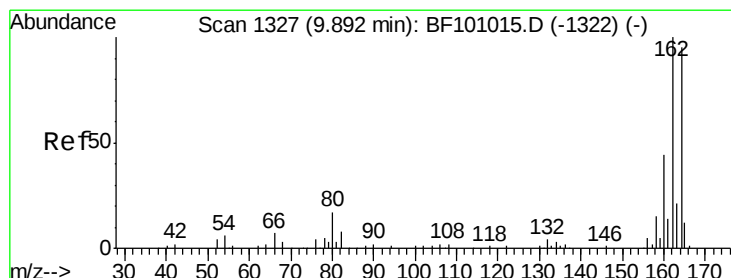
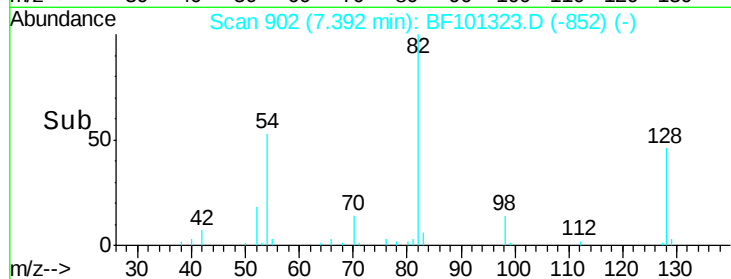
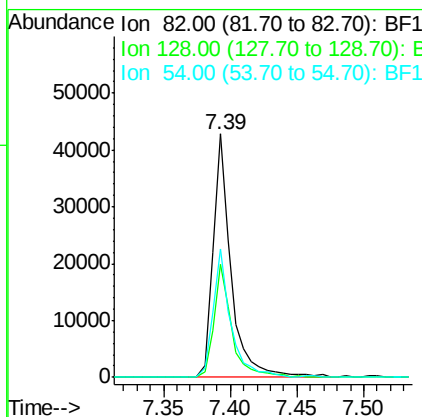
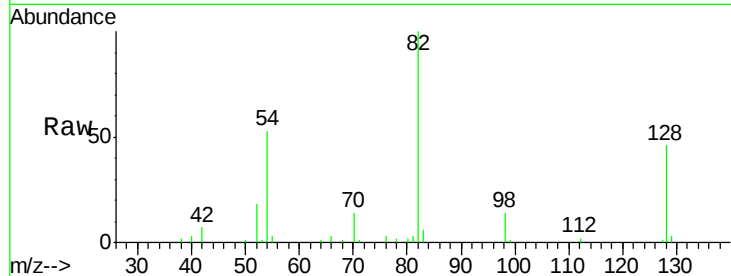
#23
Nitrobenzene-d5
Concen: 17.013 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	82	Resp	40711
Ion Ratio	100	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	52.5	41.4	62.2

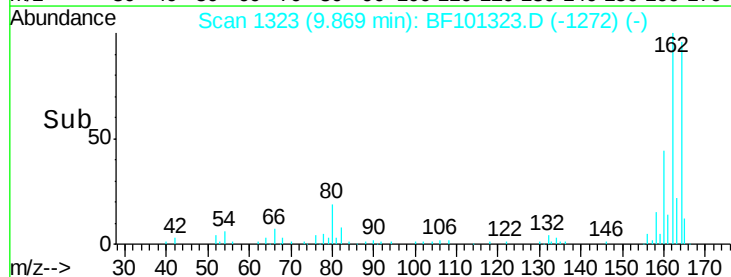
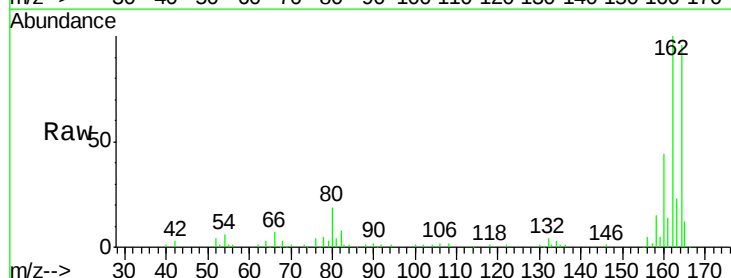
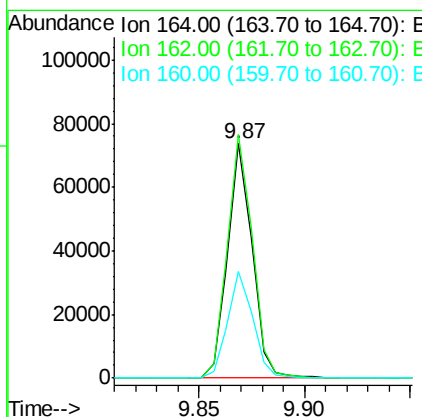
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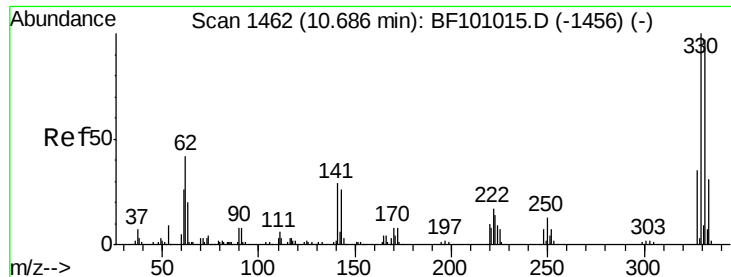
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	164	Resp	58877
Ion Ratio	100	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	45.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 20.754 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Instrument :

BNA_F

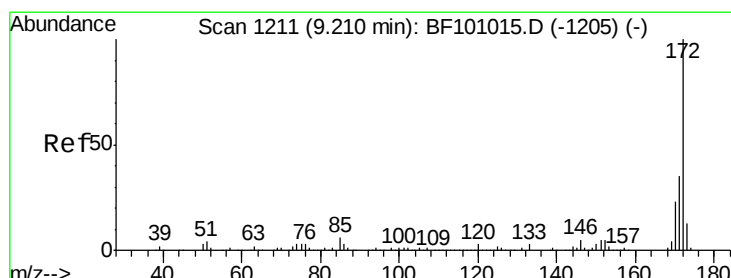
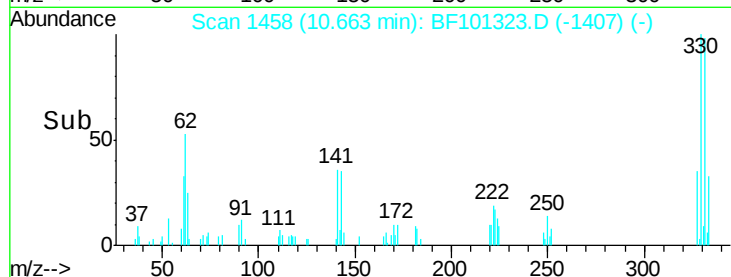
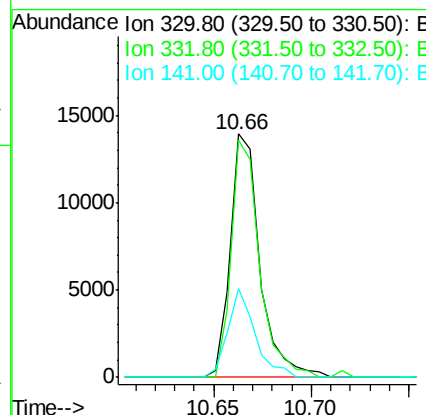
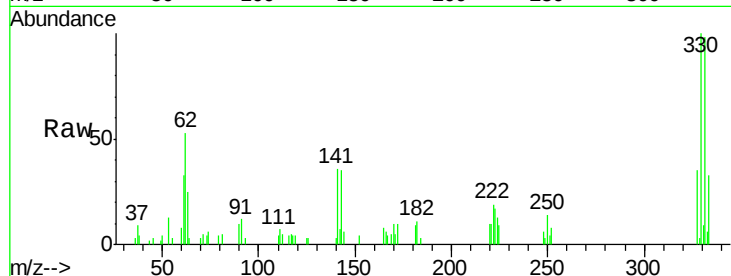
ClientSampleID :

MAP-8-E(0-1)DL

Tot Ion:	330	Resp:	14679
Ion Ratio	Lower	Upper	
330	100		
332	93.2	77.0	115.6
141	33.6	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 22.557 ng

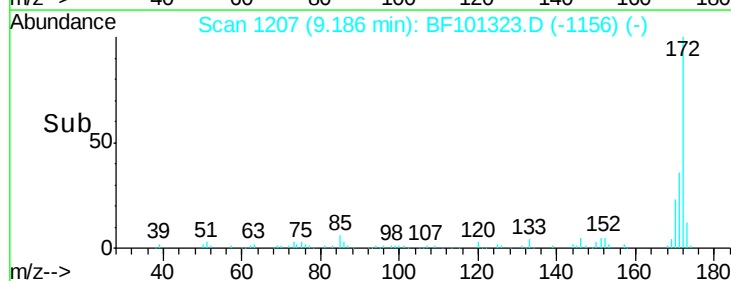
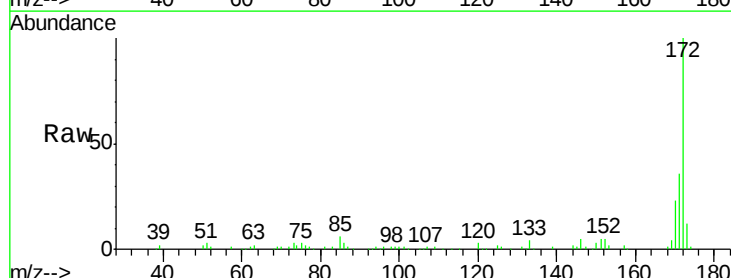
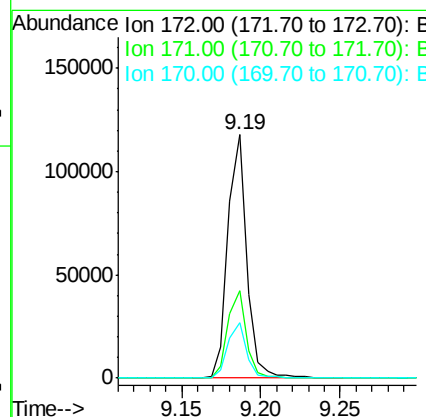
RT: 9.19 min Scan# 1207

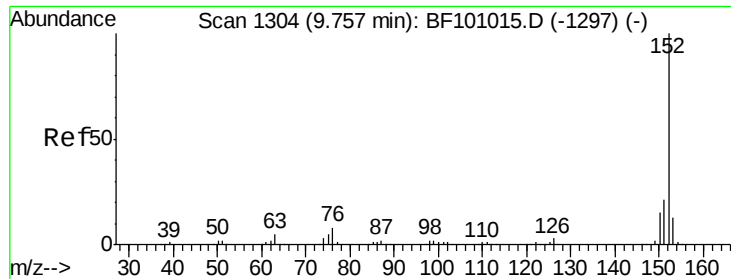
Delta R.T. 0.00 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Tgt Ion:	172	Resp:	97069
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	22.7	19.6	29.4





#48

Acenaphthylene

Concen: 3.752 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Instrument :

BNA_F

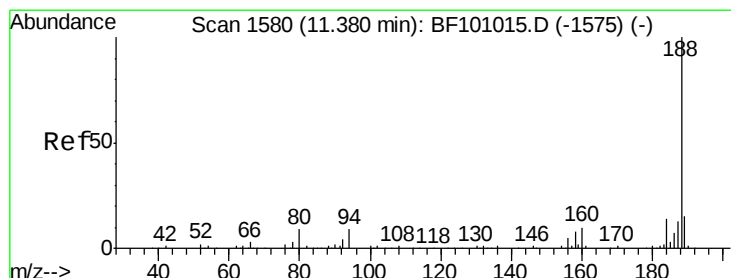
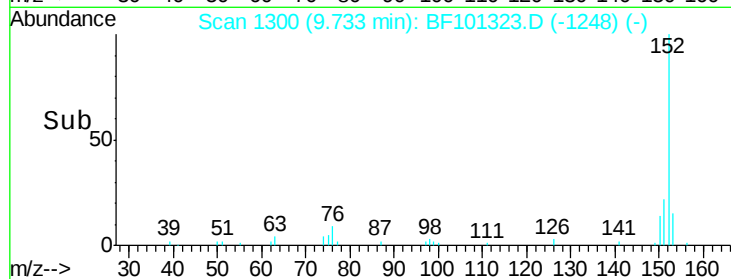
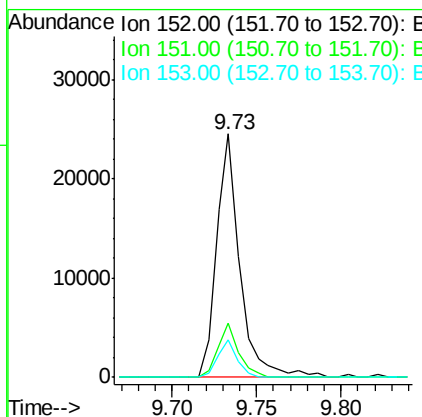
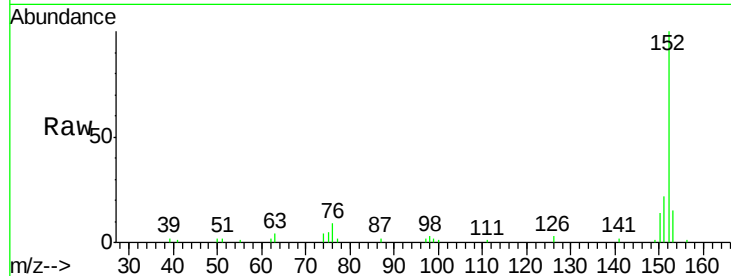
ClientSampleId :

MAP-8-E(0-1)DL

Tot Ion:	152	Resp:	23619
Ion Ratio	Lower	Upper	
152	100		
151	22.2	16.3	24.5
153	15.3	10.7	16.1

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

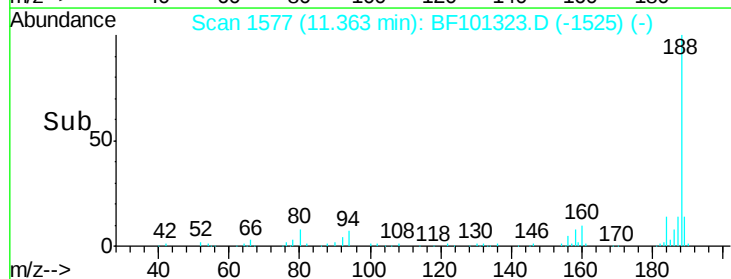
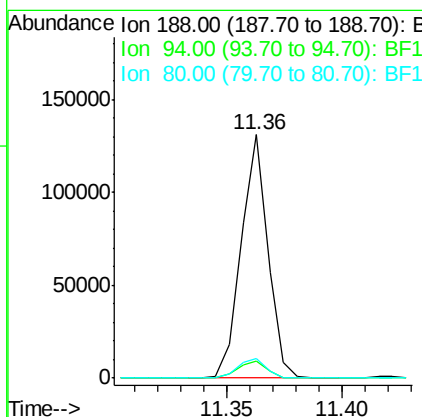
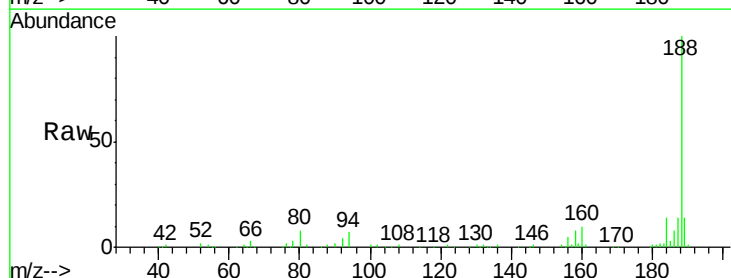
RT: 11.36 min Scan# 1577

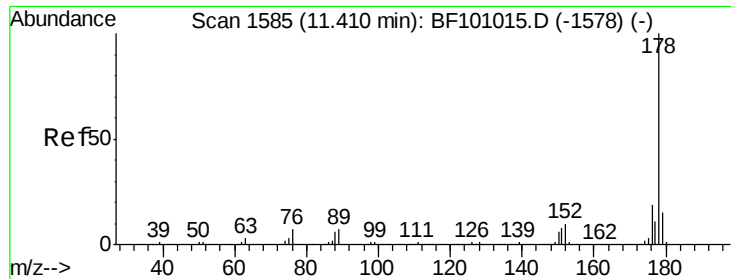
Delta R.T. 0.01 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Tgt Ion:	188	Resp:	106161
Ion Ratio	Lower	Upper	
188	100		
94	6.9	8.5	12.7#
80	8.0	9.2	13.8#





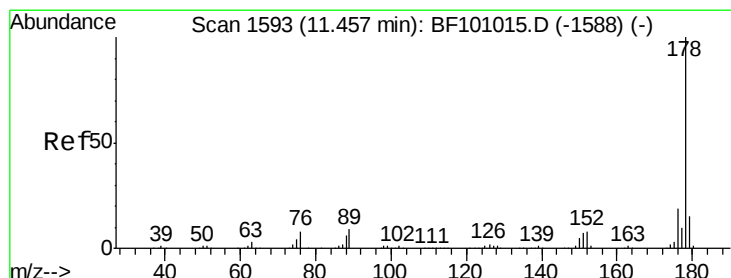
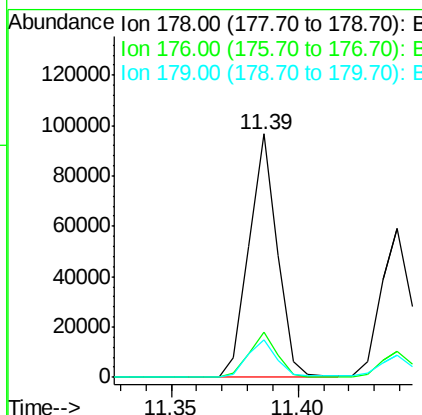
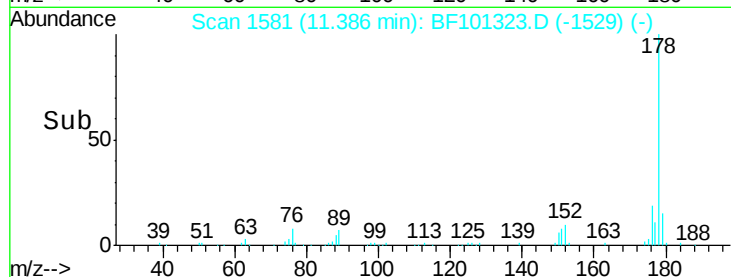
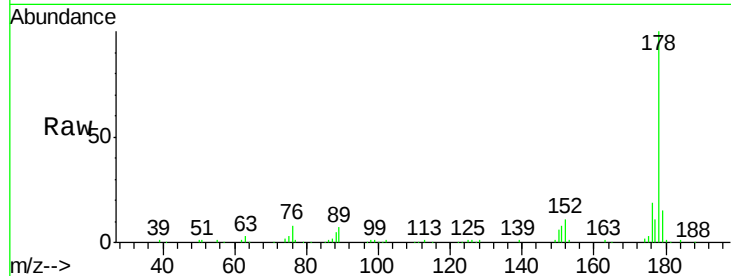
#70
Phenanthrene
Concen: 12.947 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6

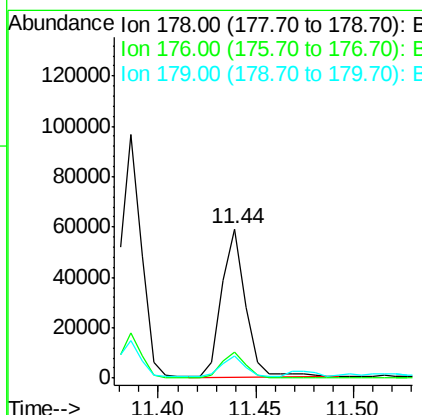
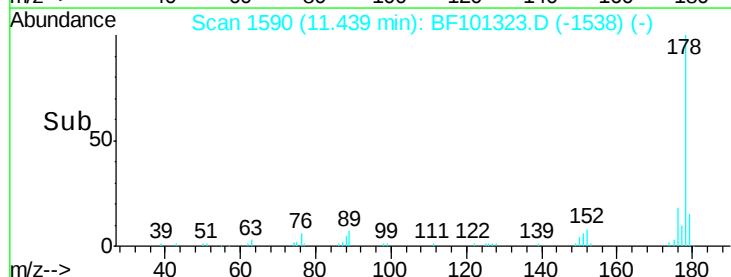
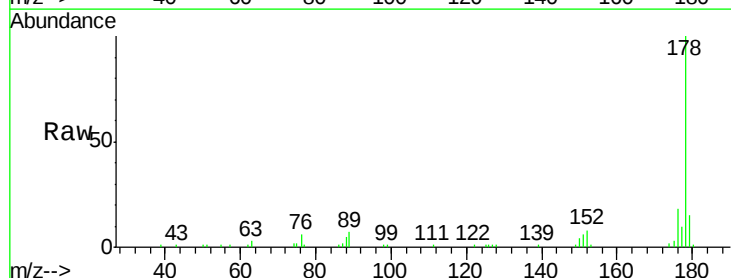
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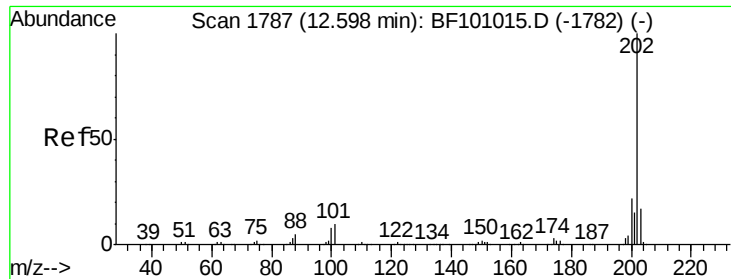
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#71
Anthracene
Concen: 8.531 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 34.743 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.02 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Instrument :

BNA_F

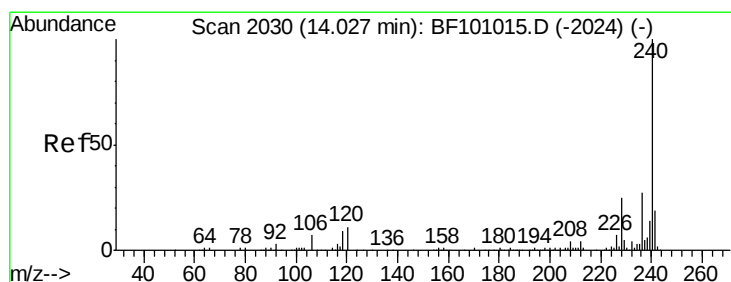
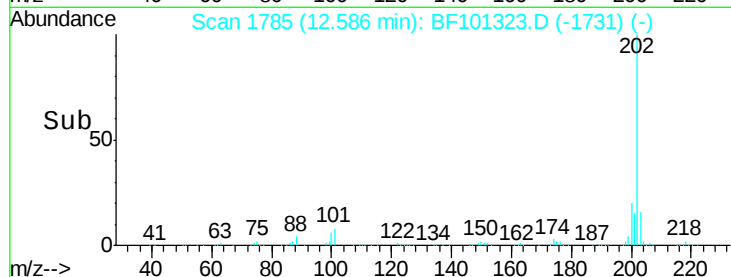
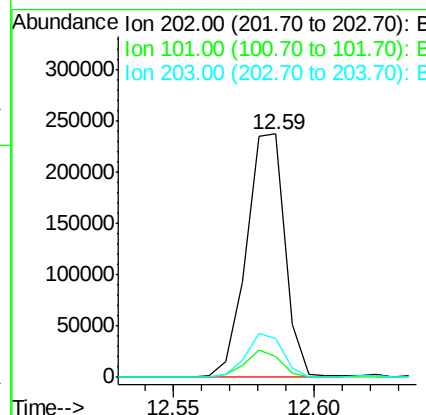
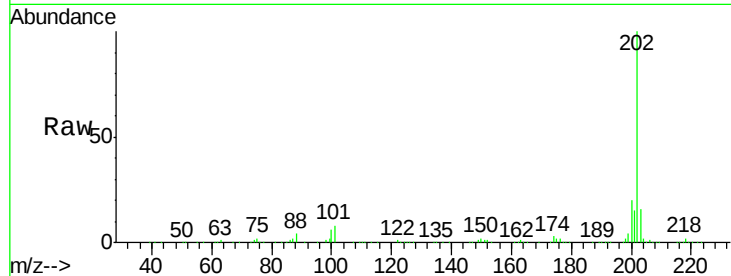
ClientSampleId :

MAP-8-E(0-1)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	0.0	34.1
203	16.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

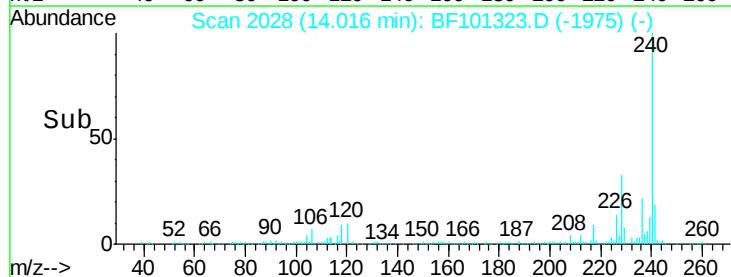
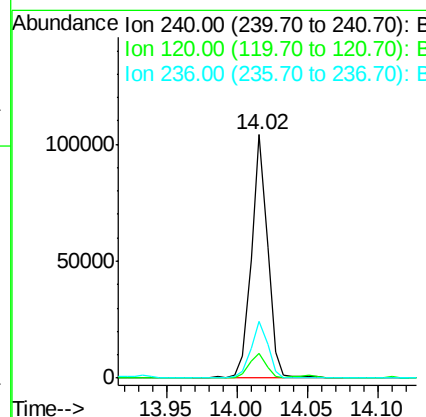
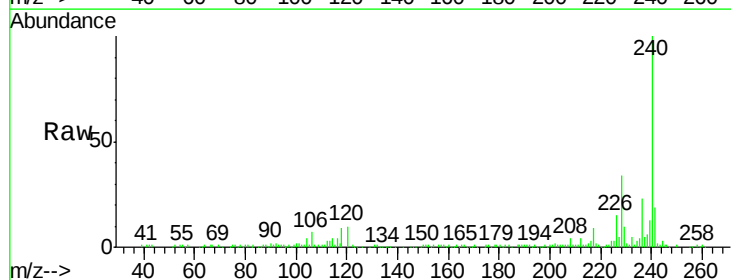
RT: 14.02 min Scan# 2028

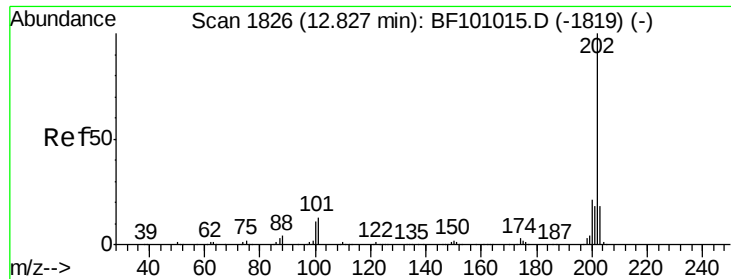
Delta R.T. 0.01 min

Lab File: BF101323.D

Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	9.5	14.3
236	23.1	20.7	31.1





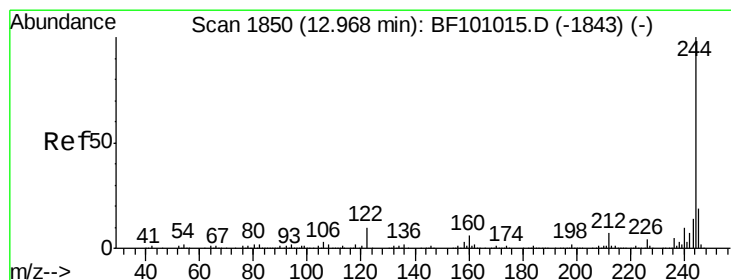
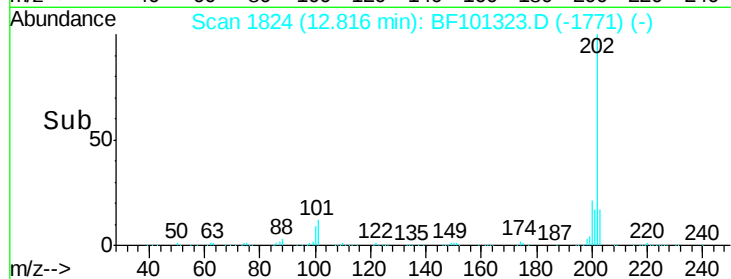
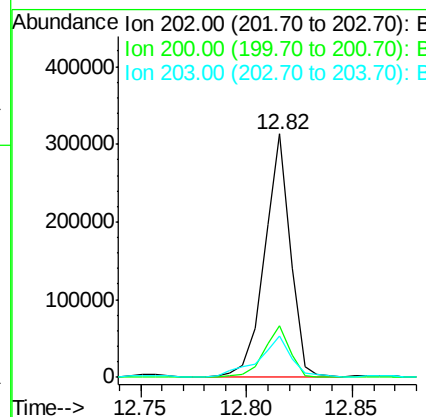
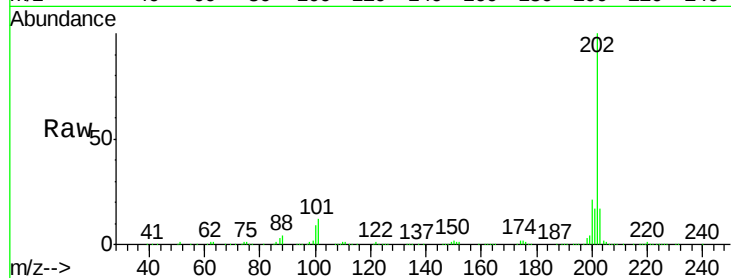
#77
Pvrene
Concen: 45.818 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.1	14.3	21.5

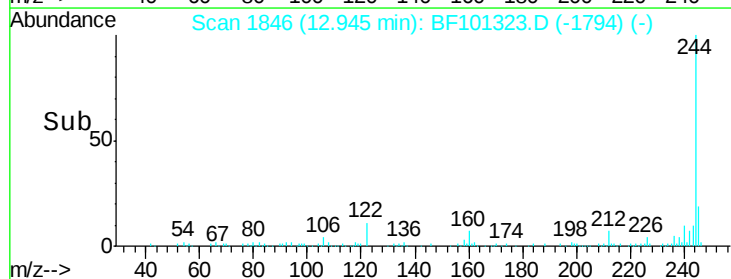
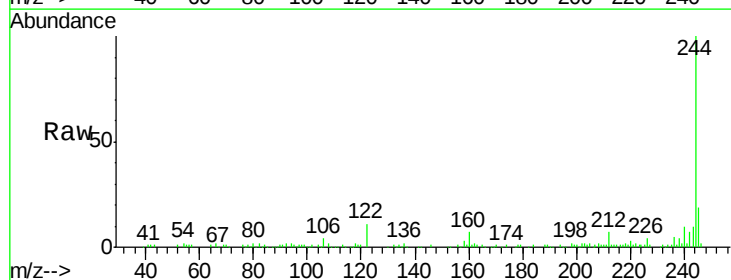
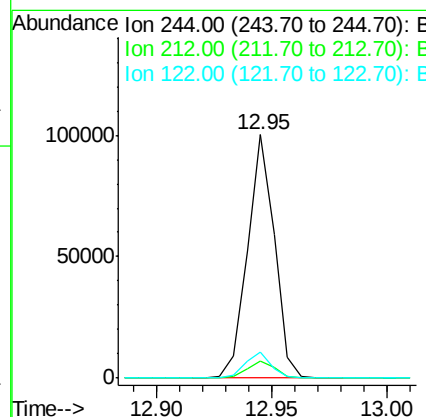
Manual Integrations
APPROVED

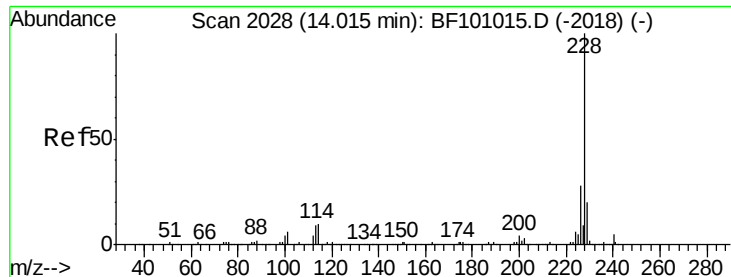
Sohil
12/12/2017 3:59:45 PM



#78
Terphenyl-d14
Concen: 21.243 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.7	11.0	16.4#





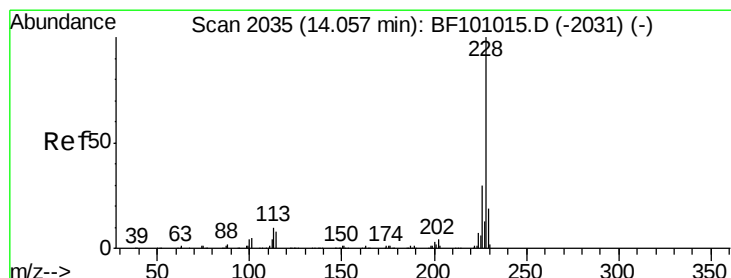
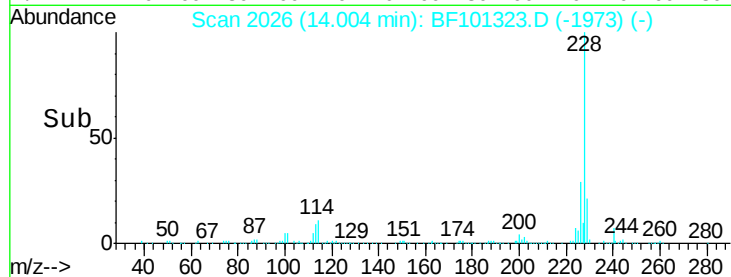
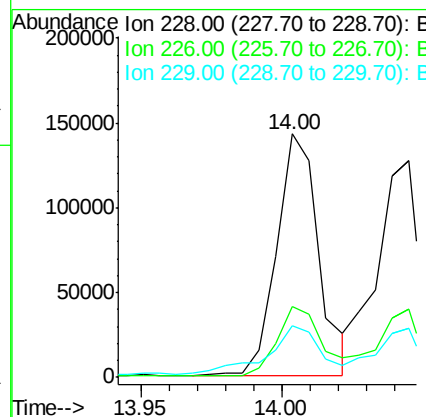
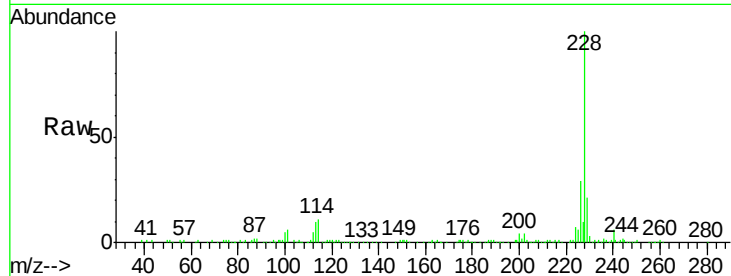
#80
Benzo(a)anthracene
Concen: 27.783 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion:	228	Resp:	147197
Ion Ratio		Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.4	15.8	23.6

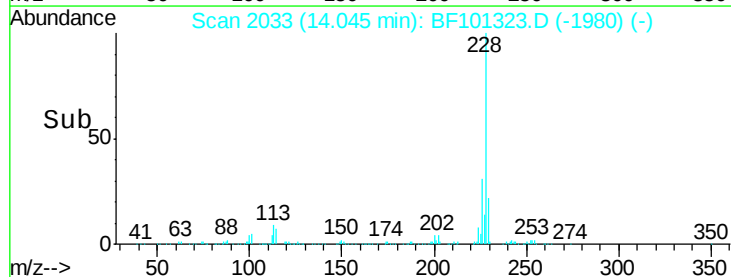
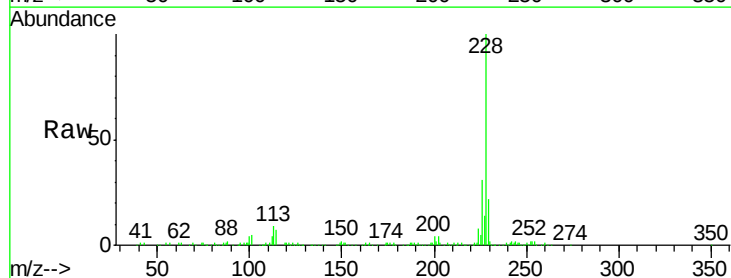
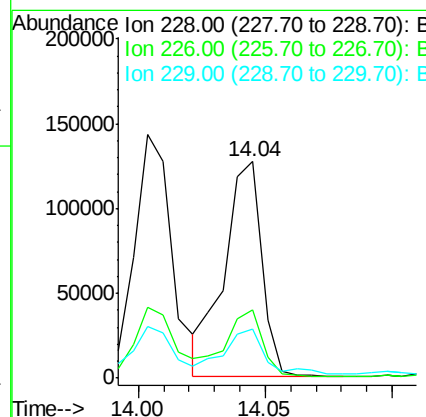
Manual Integrations
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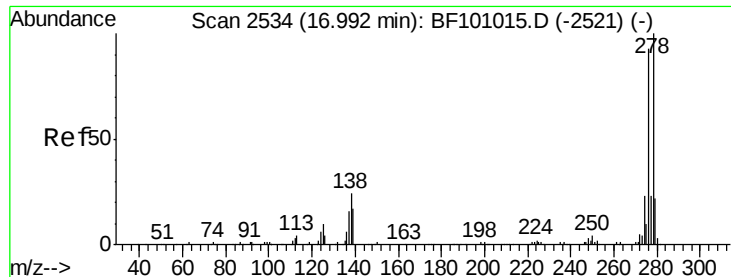
Sohil
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#82
Chrysene
Concen: 26.666 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion:	228	Resp:	131206
Ion Ratio		Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.5	16.2	24.4





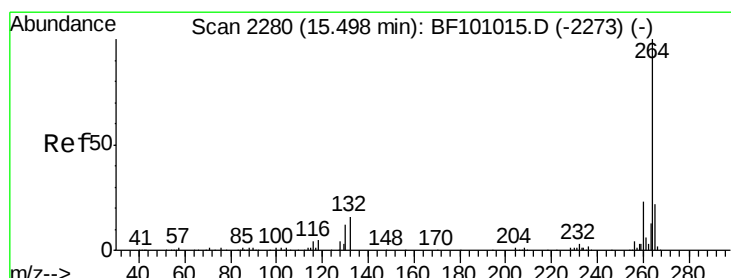
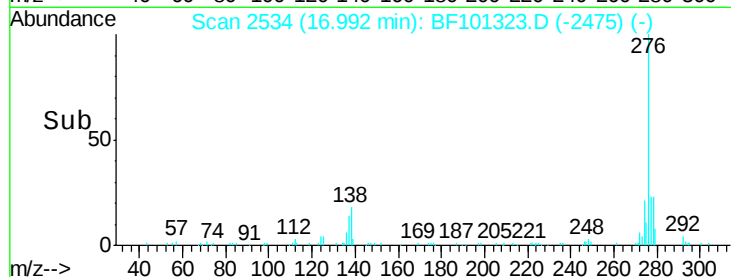
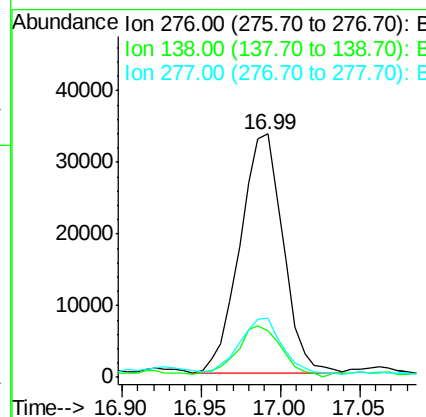
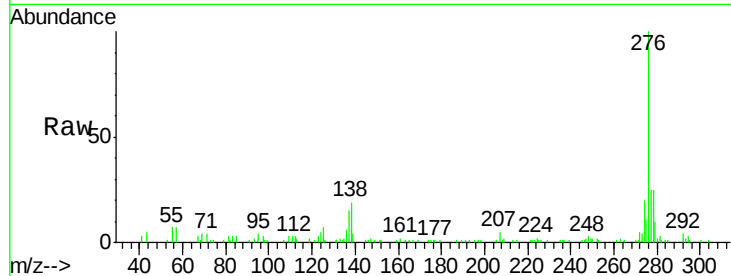
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.460 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.05 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	22.9	20.1	30.1

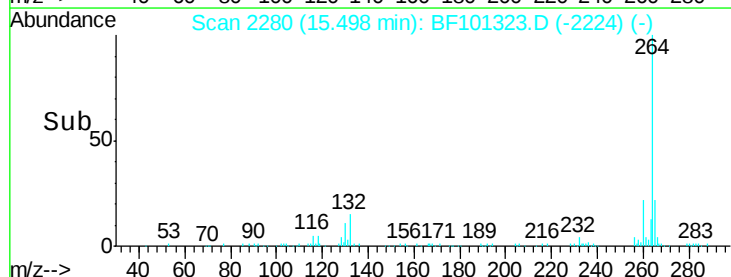
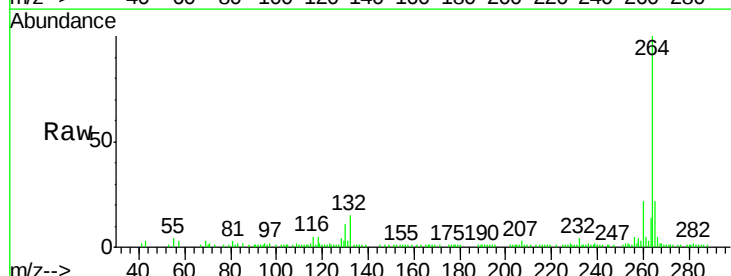
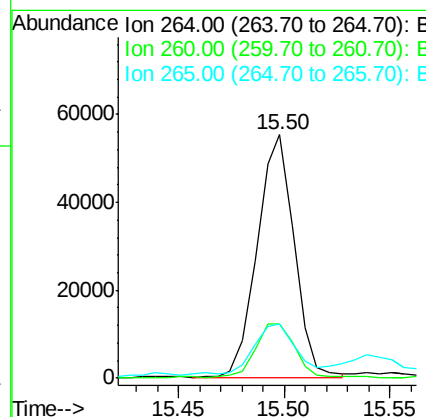
Manual Integrations
APPROVED

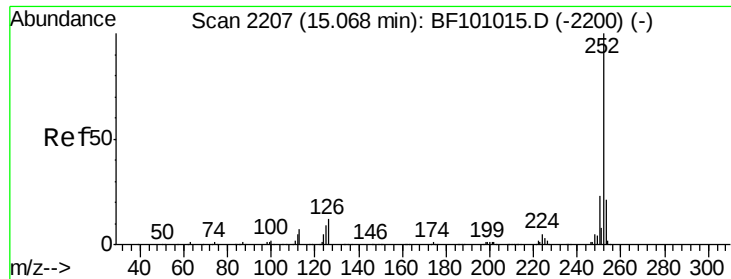
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.03 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	22.3	17.5	26.3





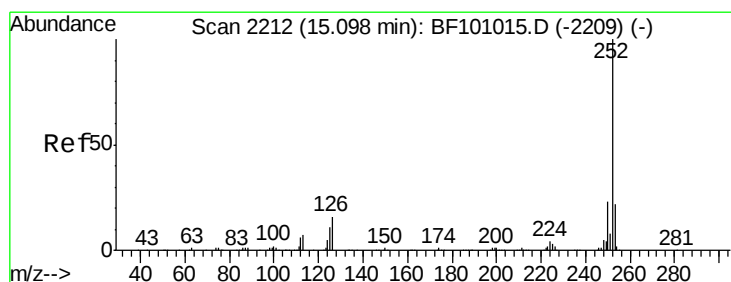
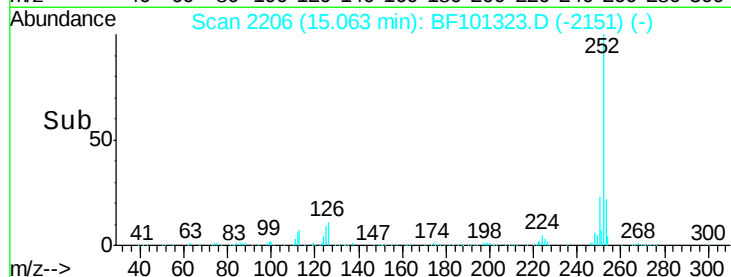
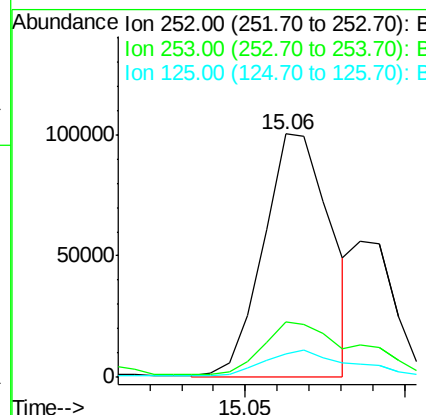
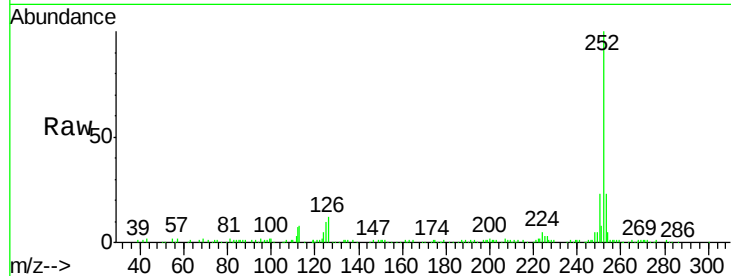
#87
Benzo(b)fluoranthene
Concen: 35.960 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampled :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.8	9.0	13.6

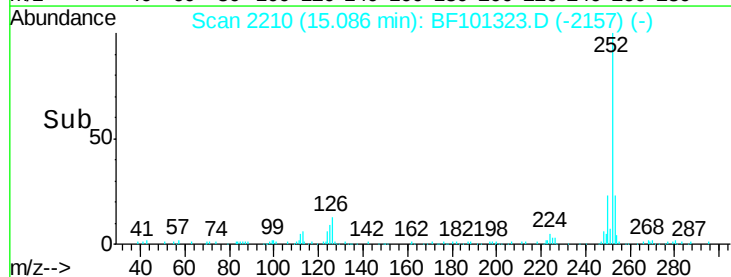
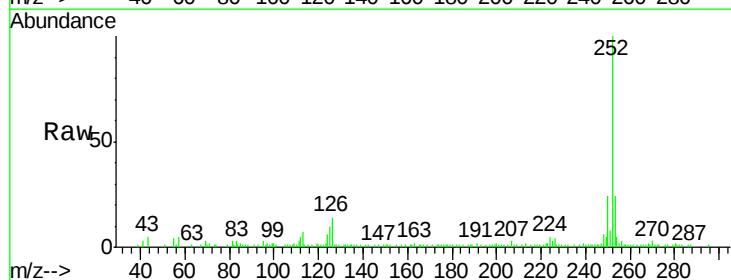
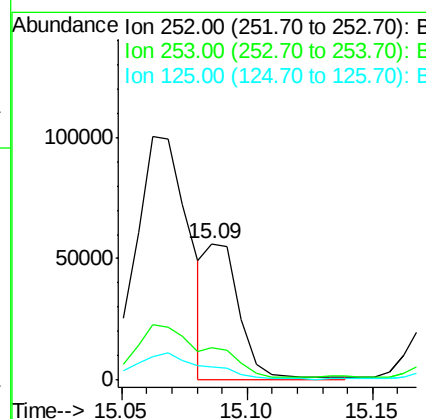
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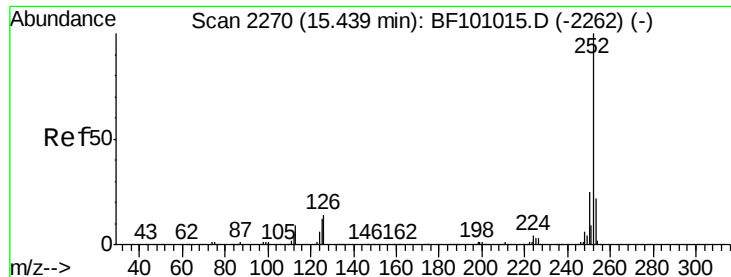
Sohil
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#88
Benzo(k)fluoranthene
Concen: 13.366 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	10.1	10.2	15.2#





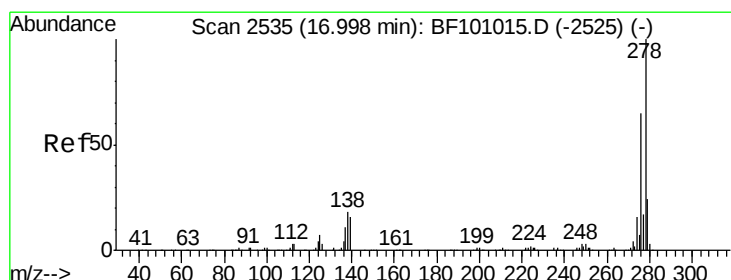
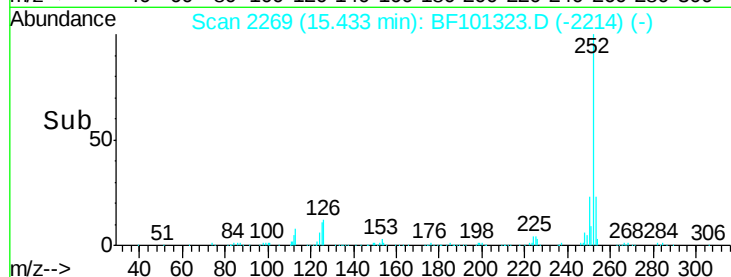
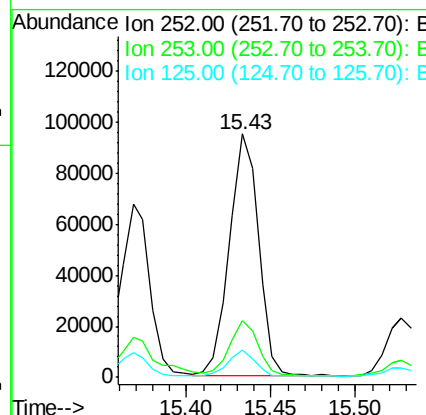
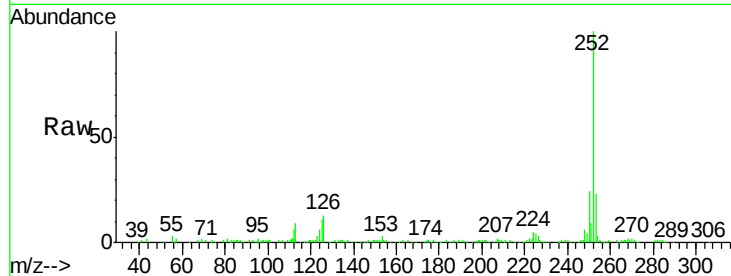
#89
Benzo(a)pyrene
Concen: 30.794 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.2	9.8	14.6

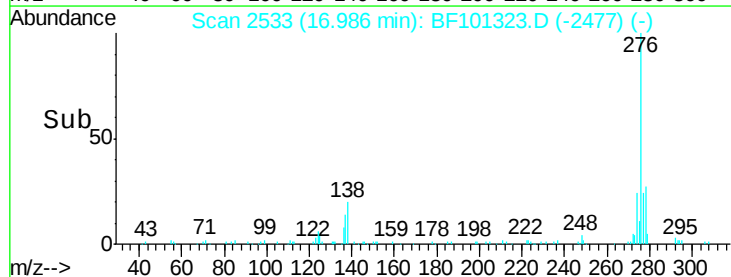
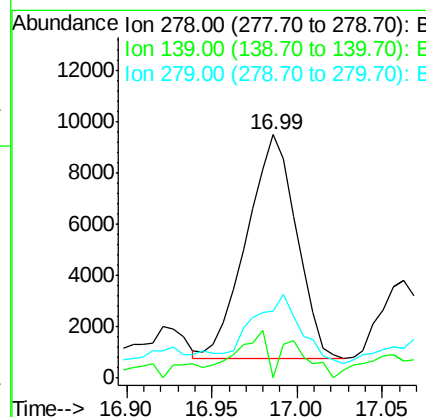
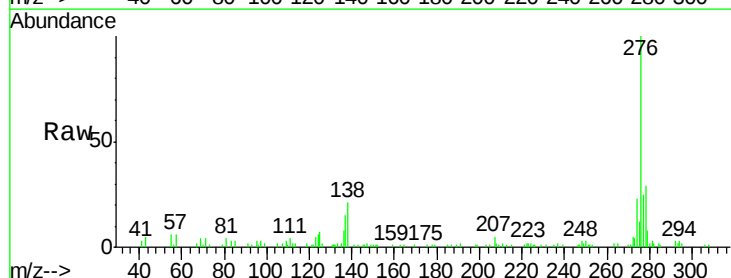
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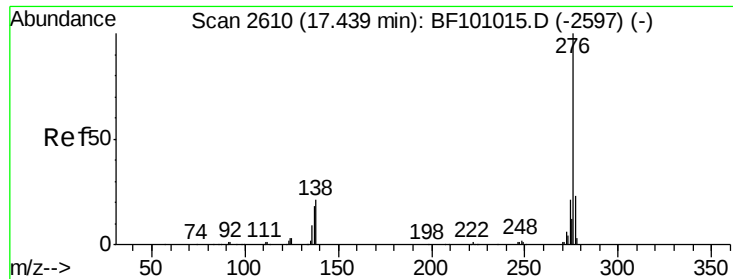
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.457 ng m
RT: 16.99 min Scan# 2533
Delta R.T. 0.03 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.7	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 20.944 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.05 min
Lab File: BF101323.D
Acq: 12 Dec 2017 9:10

Instrument :
BNA_F
ClientSampleId :
MAP-8-E(0-1)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	21.7	21.8	32.8#

Manual Integrations
APPROVED

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