

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113386.D
 Acq On : 28 Mar 2019 21:01
 Operator : JU/SJ
 Sample : K1697-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032719-B

Manual Integrations
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Quant Time: Mar 29 04:20:21 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	196725	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	758676	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	373945	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	711017	20.00	ng	0.00
76) Chrysene-d12	13.84	240	493379	20.00	ng	0.00
87) Perylene-d12	15.24	264	530521	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	607367	50.48	ng	0.00
7) Phenol-d6	6.35	99	809288	53.17	ng	-0.01
23) Nitrobenzene-d5	7.26	82	479139	37.48	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	238815	51.70	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	894160	25.04	ng	0.00
79) Terphenyl-d14	12.79	244	810971	36.23	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.00	128	78864	2.127	ng	98
38) 1-Methylnaphthalene	8.79	142	47220	2.122	ng	99
50) Dimethylphthalate	9.45	163	86215	3.111	ng	98
58) Fluorene	10.27	166	91875	3.593	ng	96
71) Phenanthrene	11.23	178	659977	18.691	ng	99
72) Anthracene	11.29	178	151180	4.215	ng	99
75) Fluoranthene	12.42	202	873112	21.873	ng	100
78) Pyrene	12.65	202	869948	25.445	ng	99
81) Benzo(a)anthracene	13.83	228	439549	15.564	ng	96
83) Chrysene	13.86	228	375750	13.099	ng	97
86) Indeno(1,2,3-cd)pyrene	16.60	276	205409	8.344	ng	96
88) Benzo(b)fluoranthene	14.84	252	473610m	14.371	ng	
89) Benzo(k)fluoranthene	14.87	252	161104m	5.567	ng	
90) Benzo(a)pyrene	15.19	252	363555	12.443	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	61744	2.444	ng	# 81
92) Benzo(g,h,i)perylene	17.00	276	177527	6.970	ng	96

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

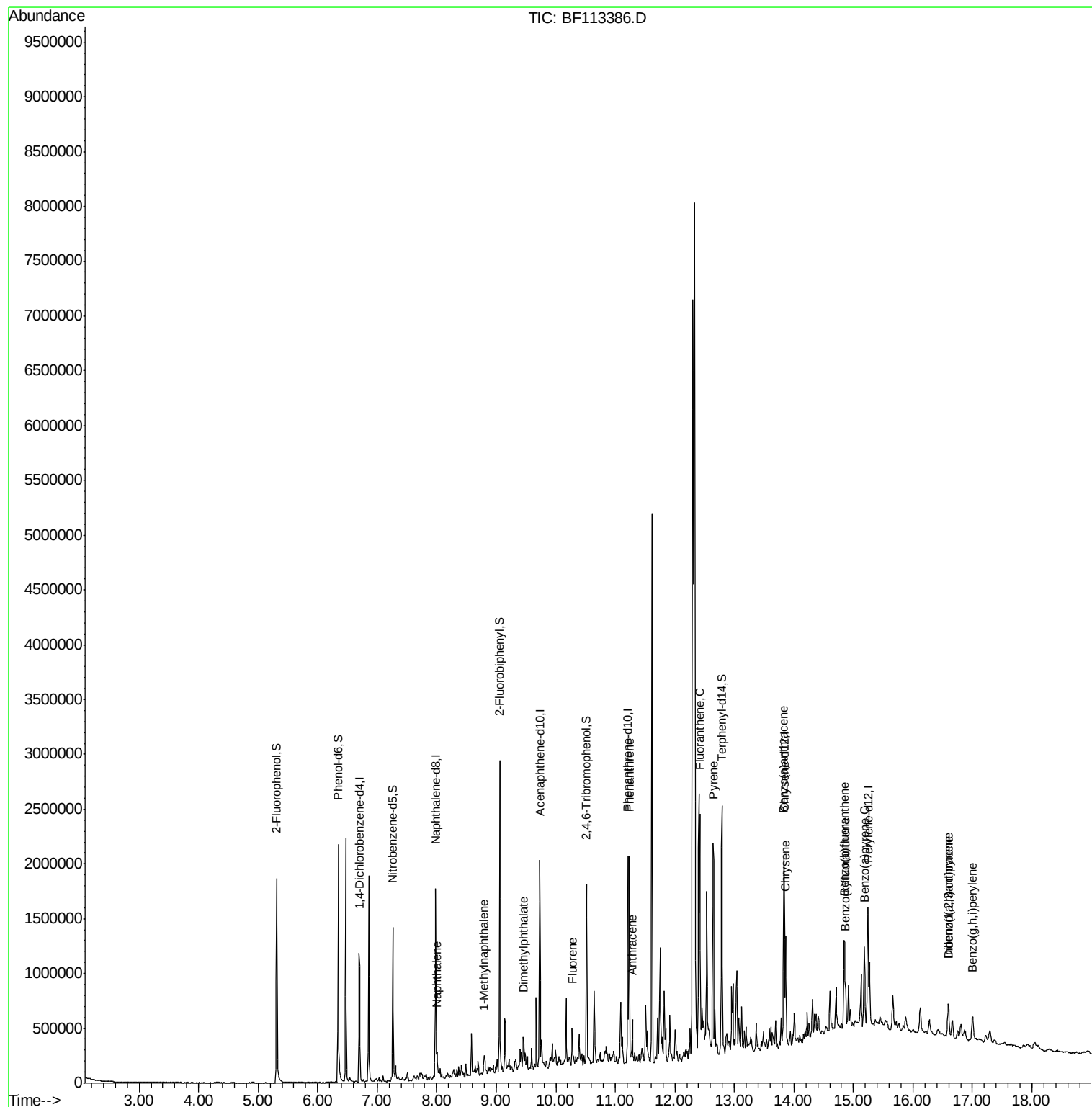
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
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ALS Vial : 18 Sample Multiplier: 1

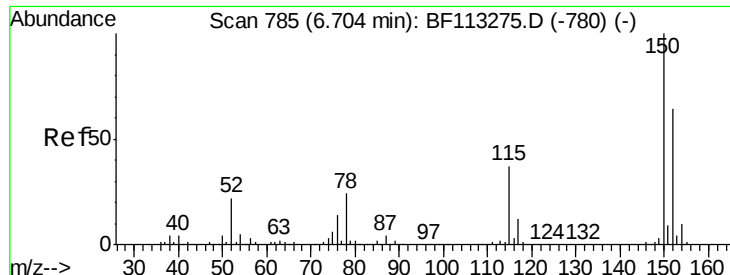
Instrument :
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#1

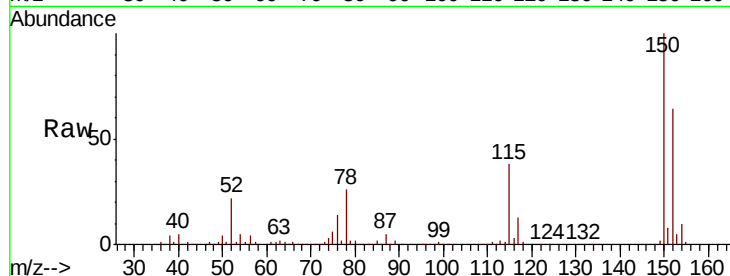
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.7	187.1
115	58.4	46.0	69.0

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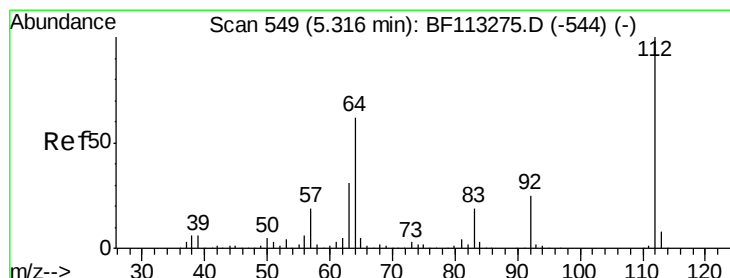
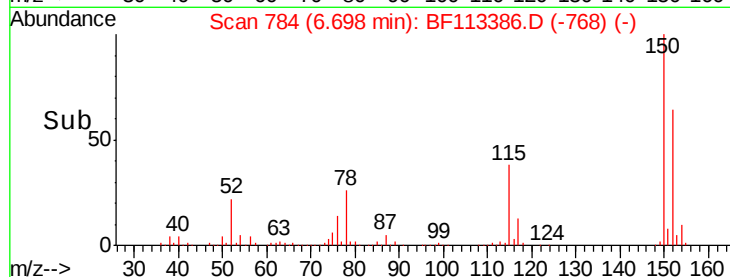
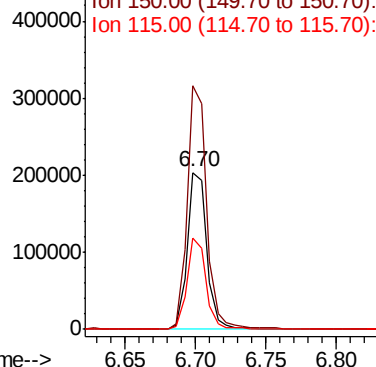


Abundance

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: 50.483 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

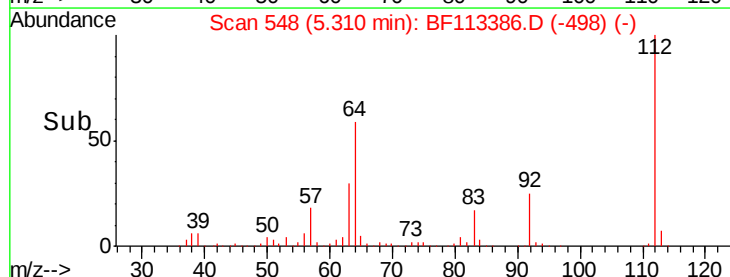
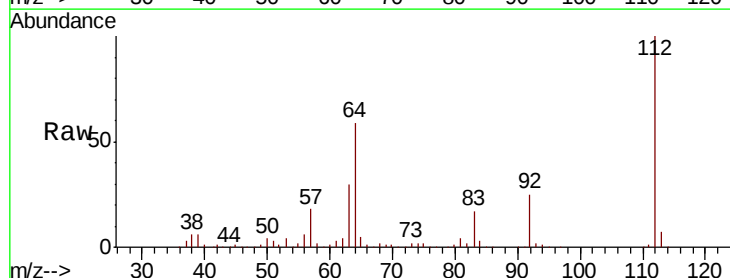
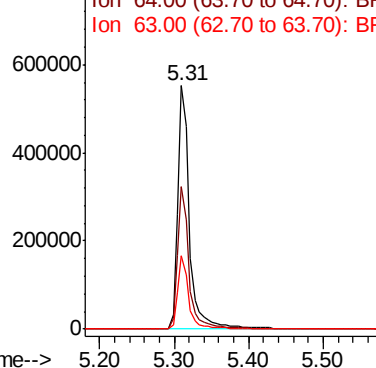
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.2	73.8
63	30.0	24.9	37.3

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: 53.172 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113386.D

Acq: 28 Mar 2019 21:01

Instrument :

BNA_F

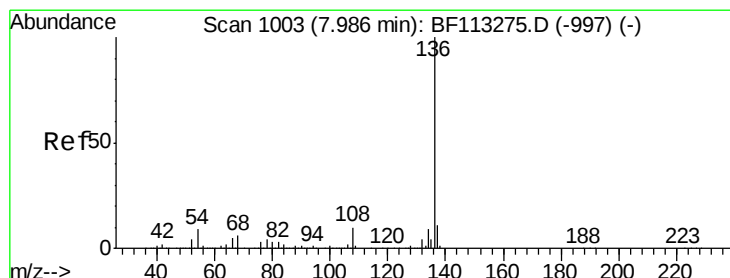
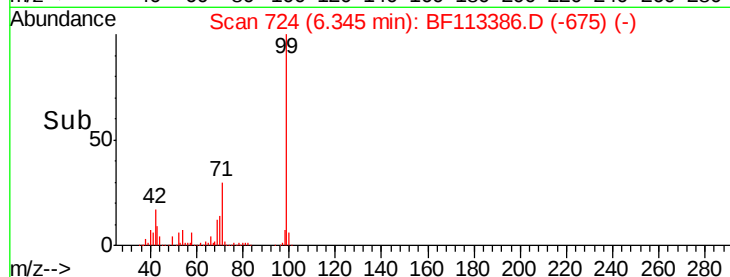
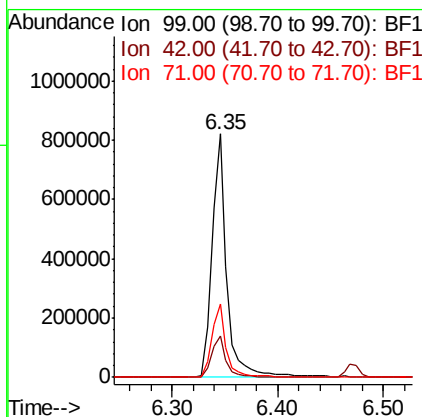
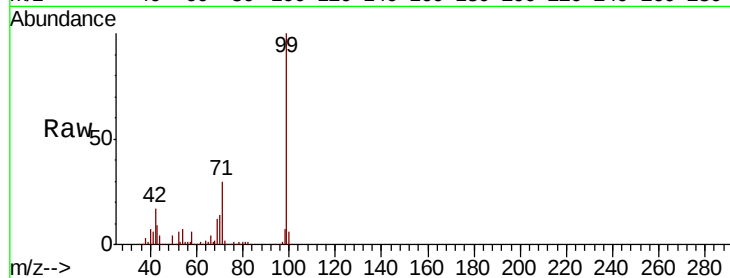
ClientSampleId :

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Tot Ion:	99	Resp:	809288
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.8	22.2
71	30.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

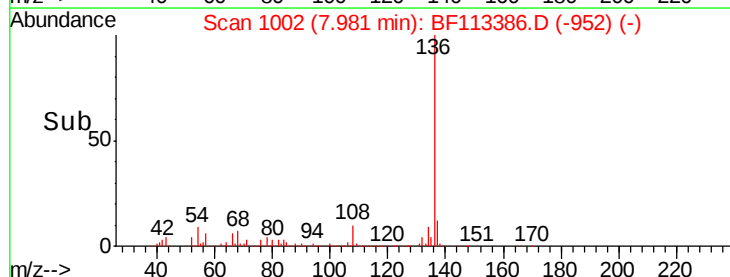
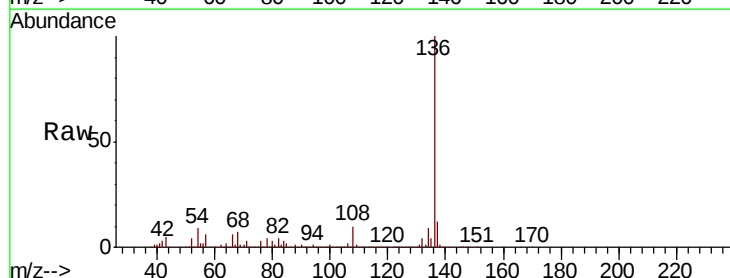
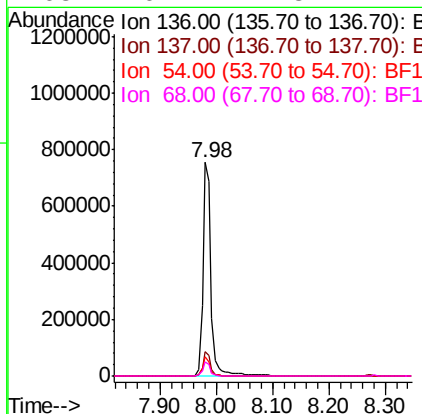
RT: 7.98 min Scan# 1002

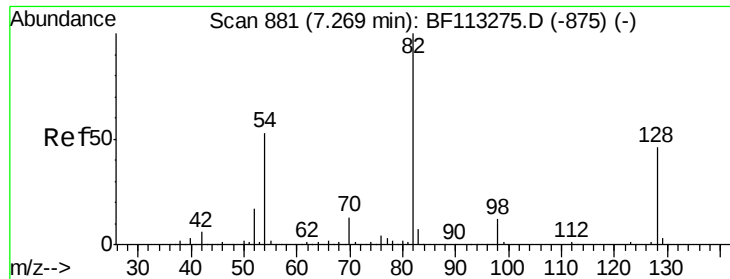
Delta R.T. -0.01 min

Lab File: BF113386.D

Acq: 28 Mar 2019 21:01

Tgt Ion:	136	Resp:	758676
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	8.7	7.0	10.6
68	6.7	4.8	7.2





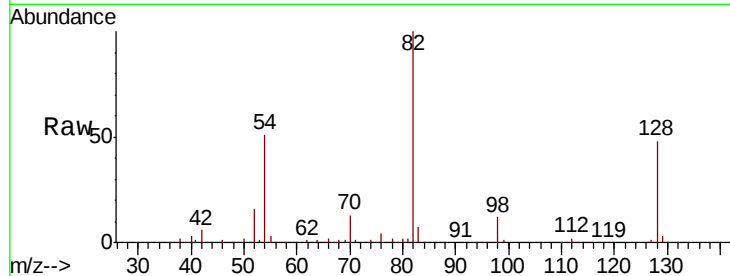
#23
Nitrobenzene-d5
Concen: 37.485 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

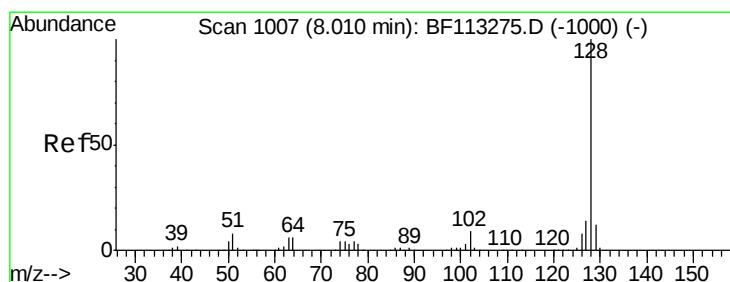
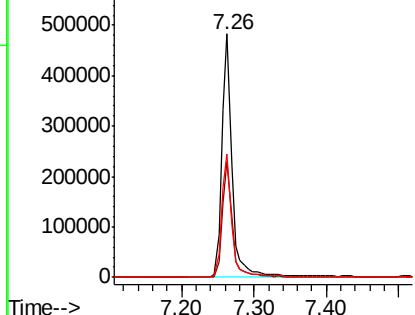
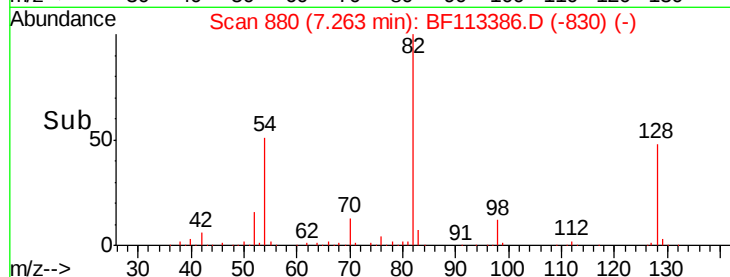
Tot Ion	82	Resp	479139
Ion Ratio	100	Lower	Upper
82	100		
128	47.6	36.5	54.7
54	50.7	42.2	63.2

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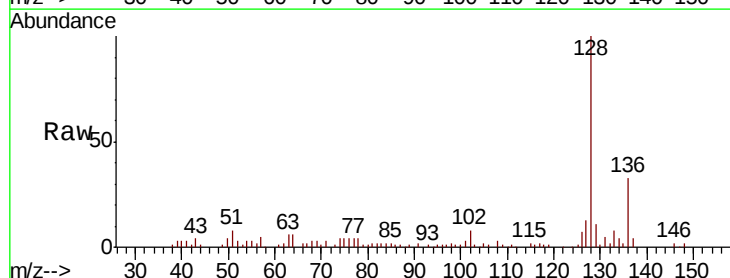


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

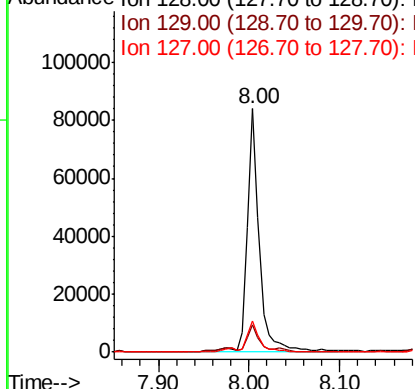
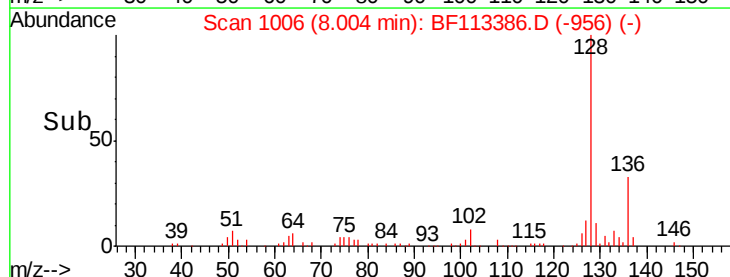


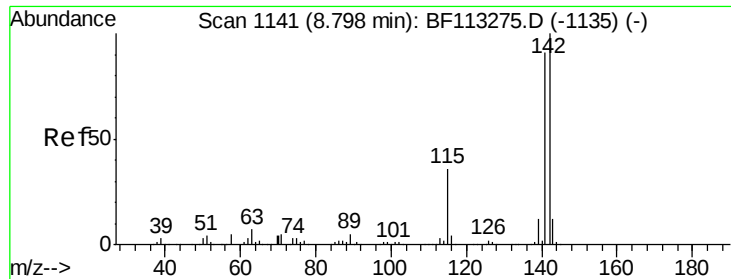
#31
Naphthalene
Concen: 2.127 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	128	Resp	78864
Ion Ratio	100	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	12.7	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





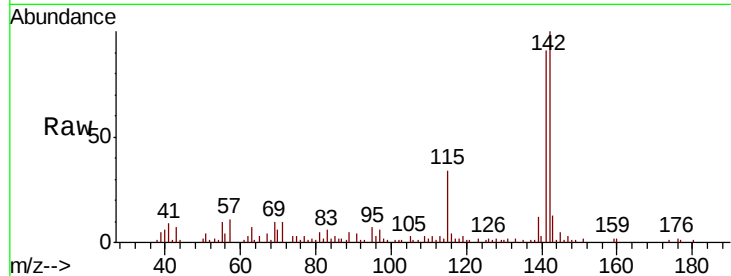
#38
1-Methylnaphthalene
Concen: 2.122 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
142	100		47220		
141	90.6	73.2	109.8		
116	4.2	3.0	4.4		

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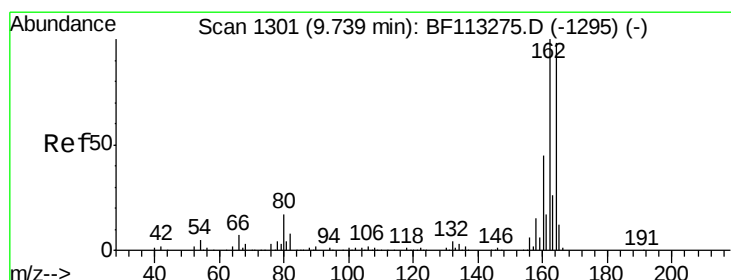
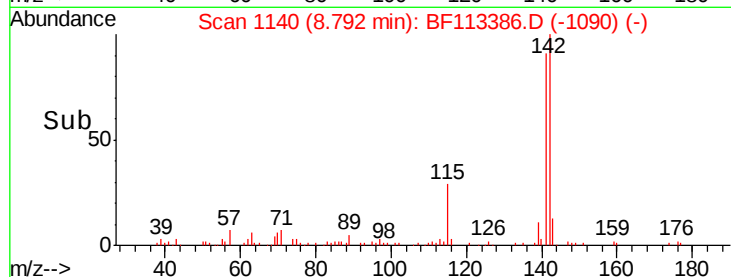
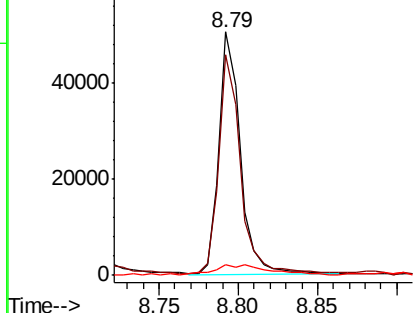


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

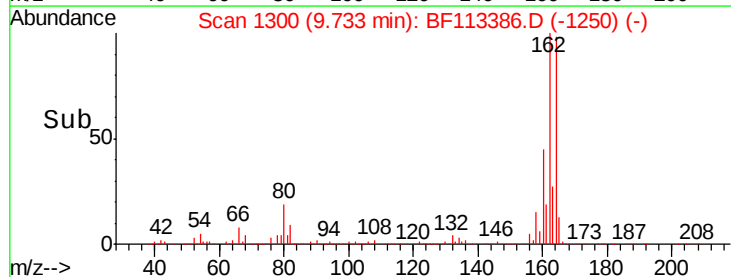
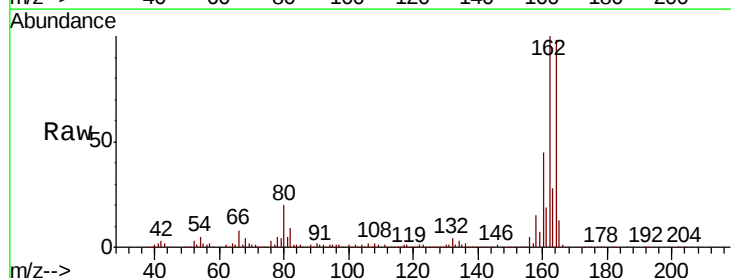
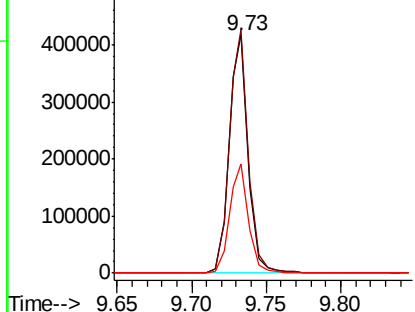
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		373945		
162	102.2	81.8	122.6		
160	45.6	36.4	54.6		

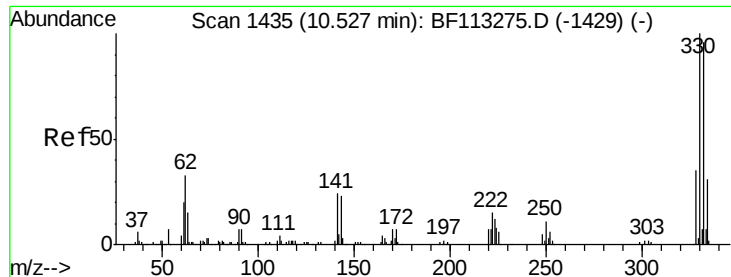
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 51.702 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113386.D

Acq: 28 Mar 2019 21:01

Instrument :

BNA_F

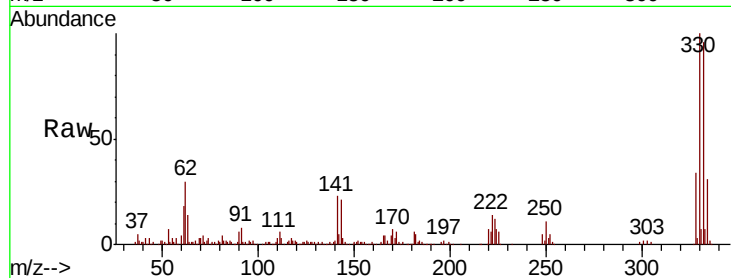
ClientSampleId :

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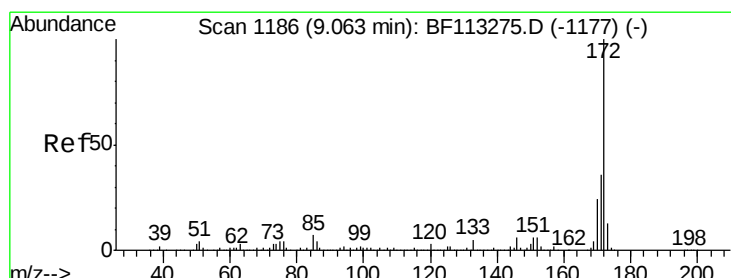
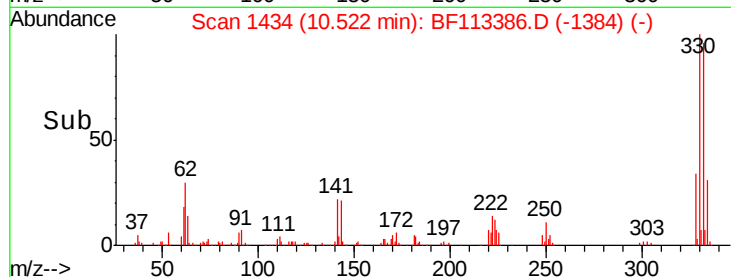
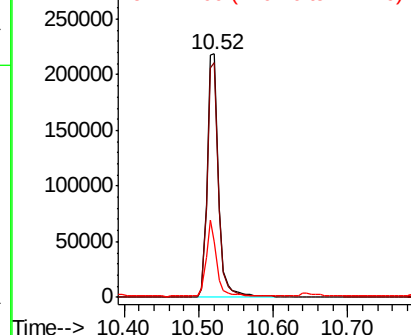
Tot Ion:	330	Resp:	238815
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.8	116.6
141	27.8	22.7	34.1

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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: 25.036 ng

RT: 9.06 min Scan# 1185

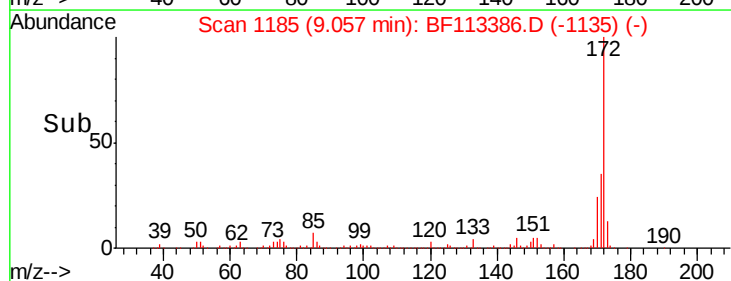
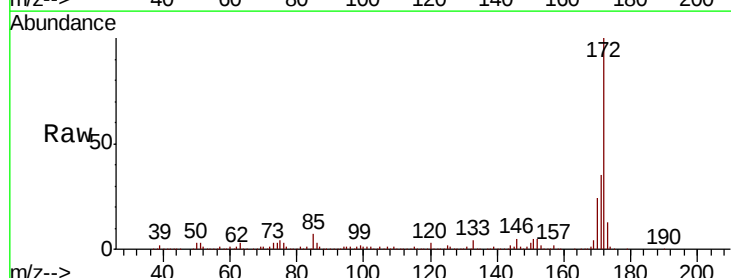
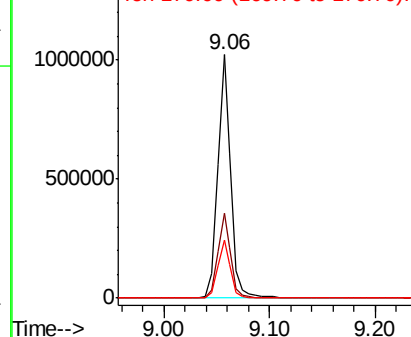
Delta R.T. -0.01 min

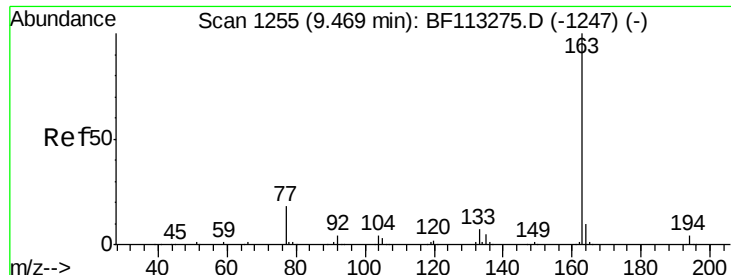
Lab File: BF113386.D

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Tgt Ion:	172	Resp:	894160
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.0	43.6
170	23.8	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: 3.111 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113386.D

Acq: 28 Mar 2019 21:01

Instrument :

BNA_F

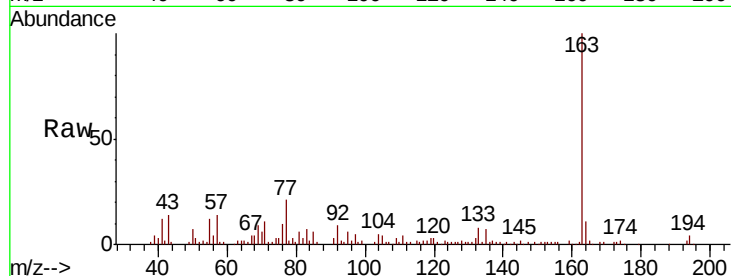
ClientSampleId :

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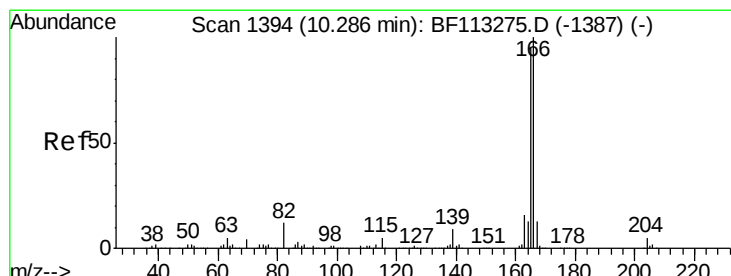
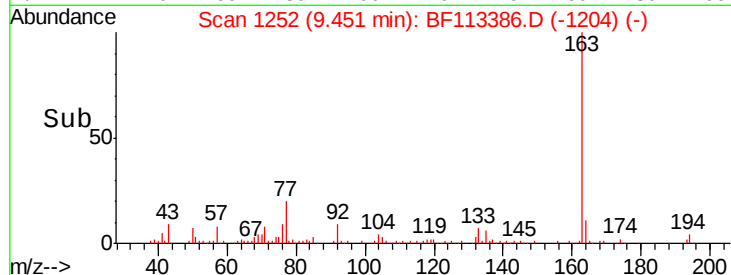
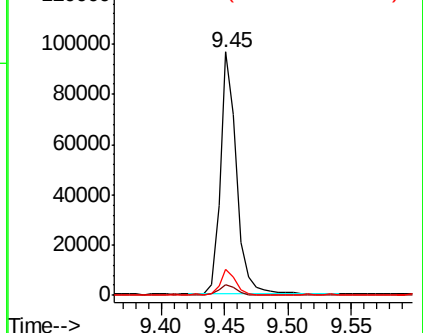
Tot Ion:	163	Resp:	86215
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.8	8.1	12.1

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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



#58

Fluorene

Concen: 3.593 ng

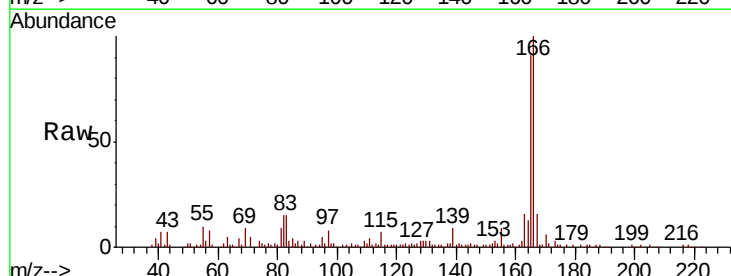
RT: 10.27 min Scan# 1392

Delta R.T. -0.01 min

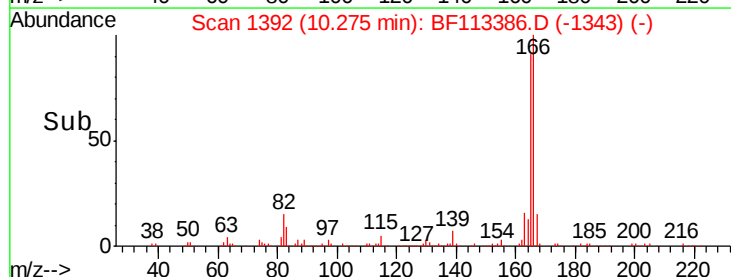
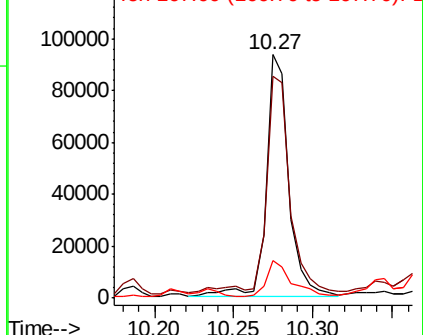
Lab File: BF113386.D

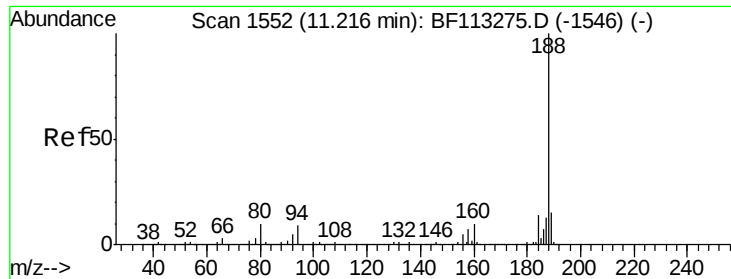
Acq: 28 Mar 2019 21:01

Tgt Ion:	166	Resp:	91875
Ion Ratio	Lower	Upper	
166	100		
165	91.3	76.2	114.2
167	15.5	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





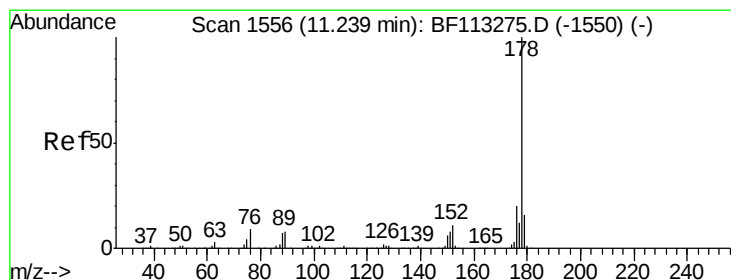
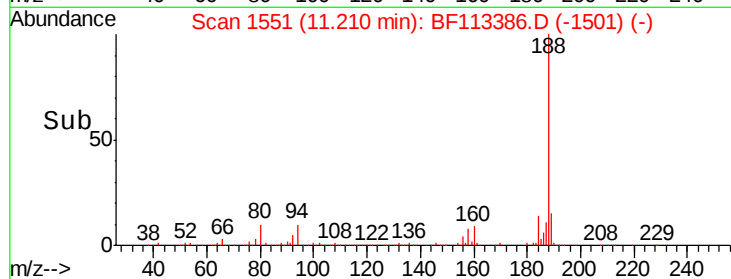
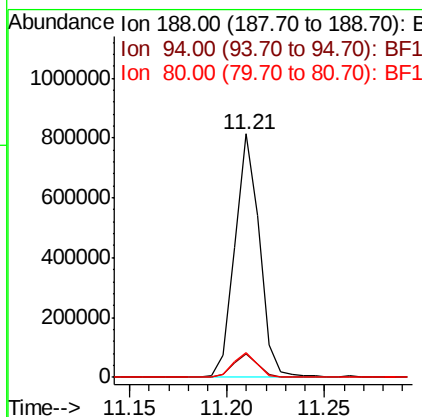
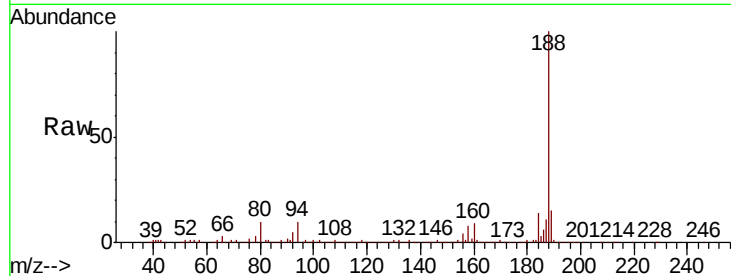
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampled :
SU-02-032719-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	711017		
94	9.7		7.0	10.6
80	10.1		7.7	11.5

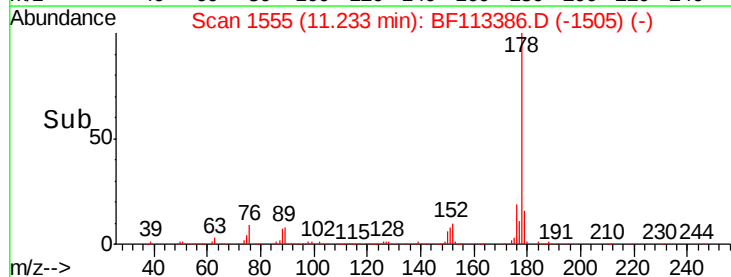
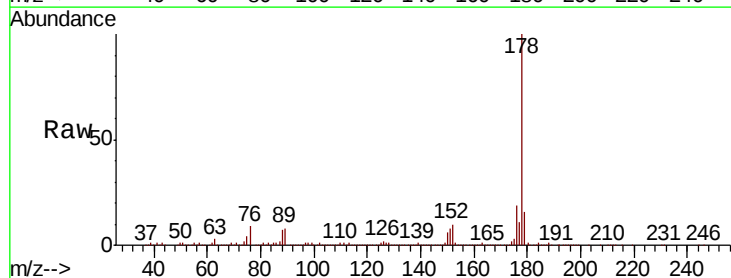
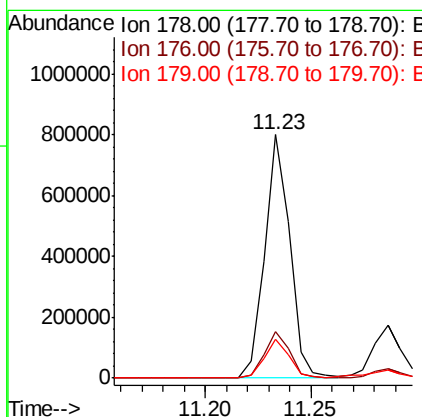
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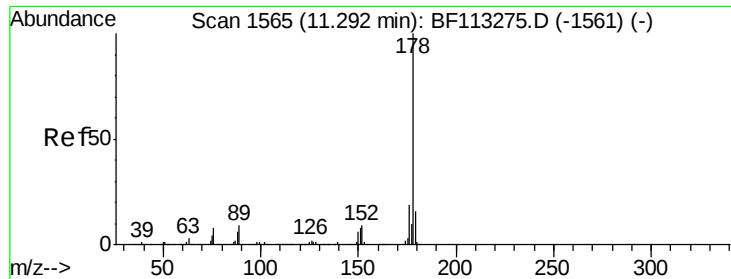
Sohil
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#71
Phenanthrene
Concen: 18.691 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	659977		
176	19.3		16.2	24.2
179	15.9		12.7	19.1





#72

Anthracene

Concen: 4.215 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113386.D

Acq: 28 Mar 2019 21:01

Instrument :

BNA_F

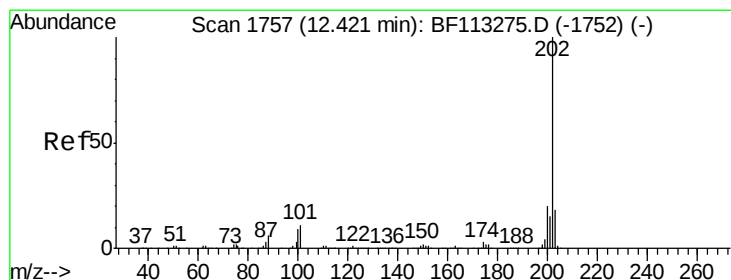
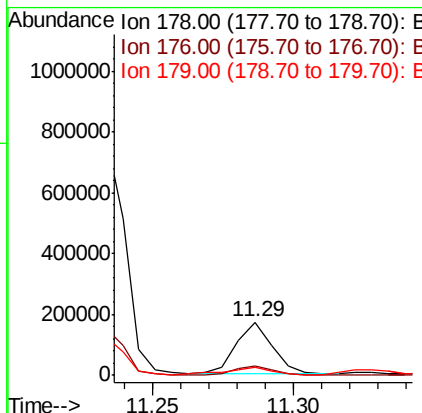
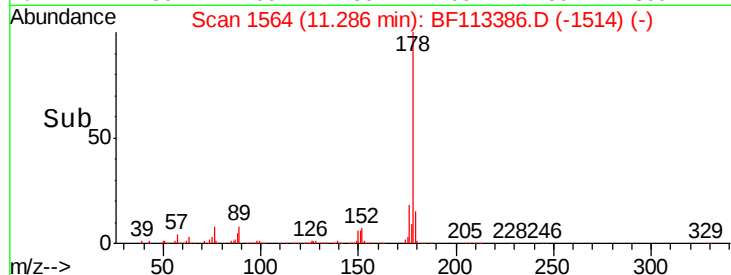
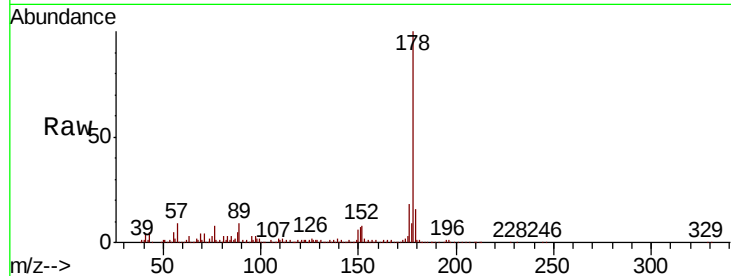
ClientSampleId :

SU-02-032719-B

Tot Ion:	178	Resp:	151180
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	16.0	12.8	19.2

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#75

Fluoranthene

Concen: 21.873 ng

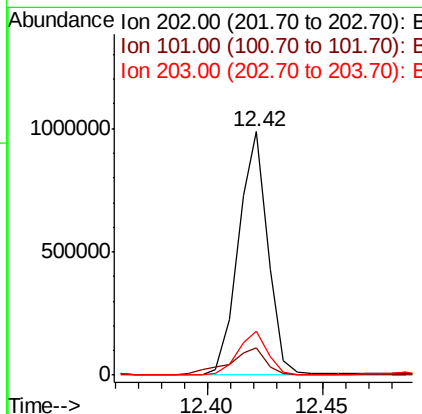
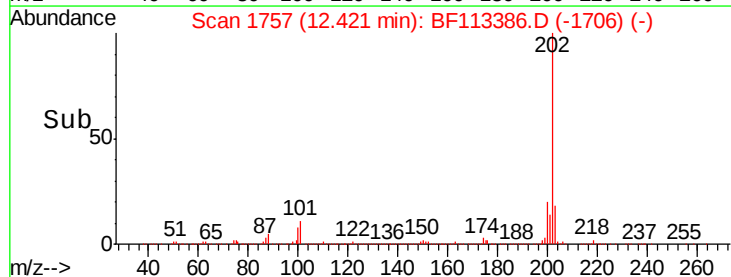
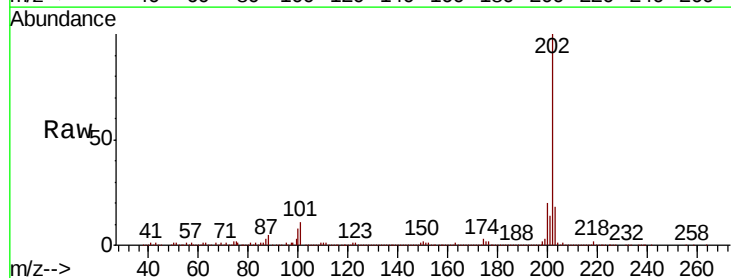
RT: 12.42 min Scan# 1757

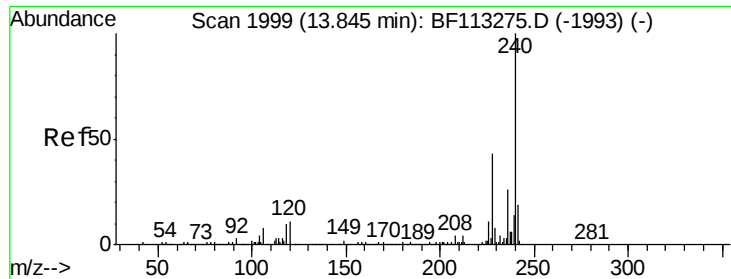
Delta R.T. -0.00 min

Lab File: BF113386.D

Acq: 28 Mar 2019 21:01

Tgt Ion:	202	Resp:	873112
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.4
203	17.9	0.0	38.0





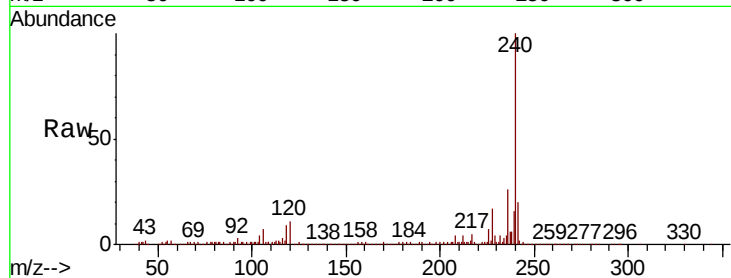
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

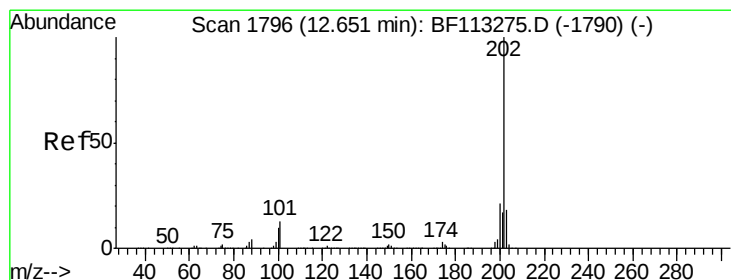
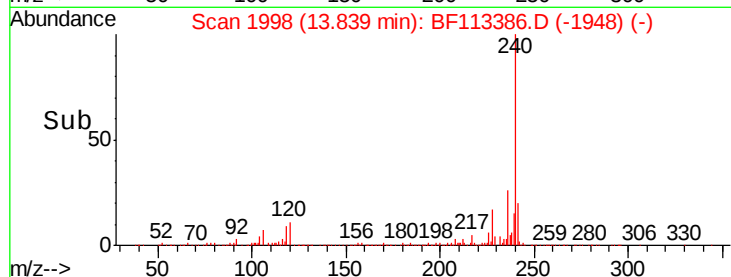
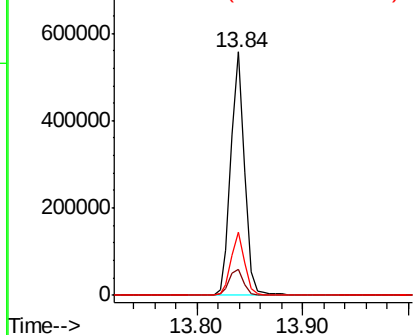
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.8	13.2
236	25.8	20.9	31.3

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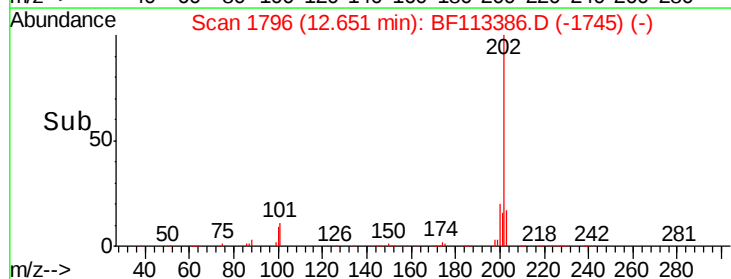
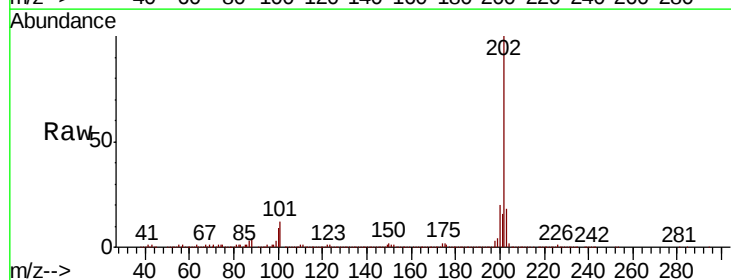
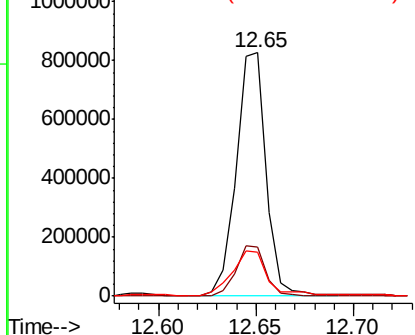
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

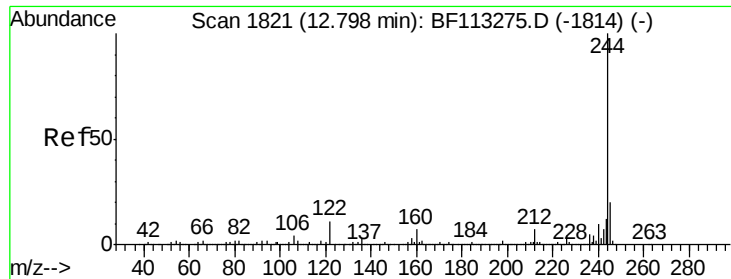


#78
Pyrene
Concen: 25.445 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	17.8	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





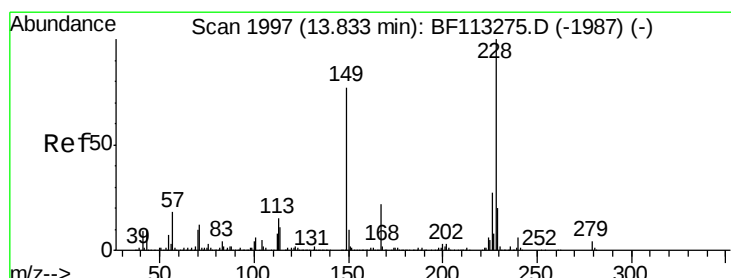
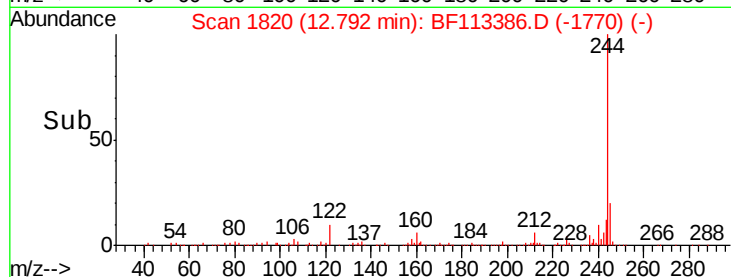
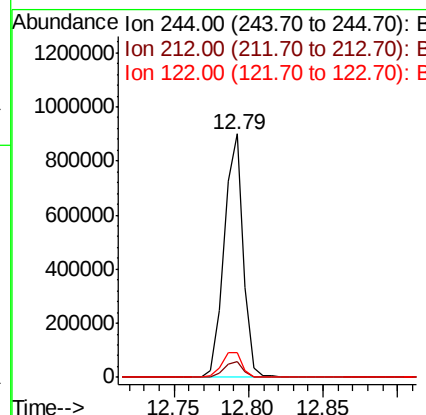
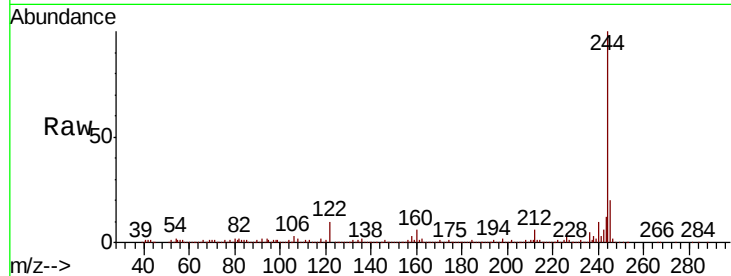
#79
 Terphenyl-d14
 Concen: 36.230 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113386.D
 Acq: 28 Mar 2019 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-032719-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	10.2	8.6	13.0

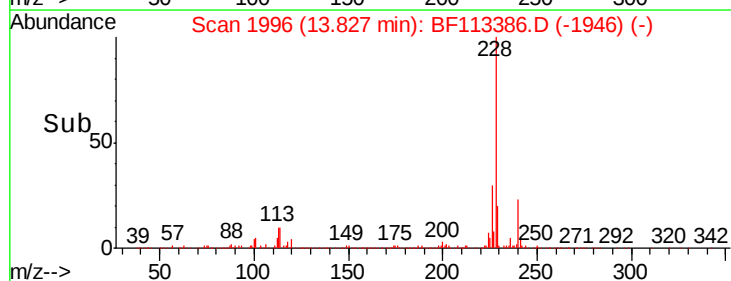
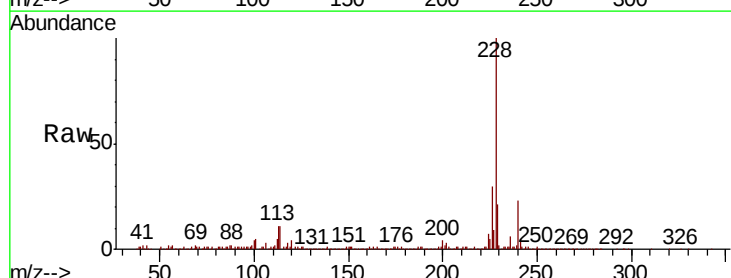
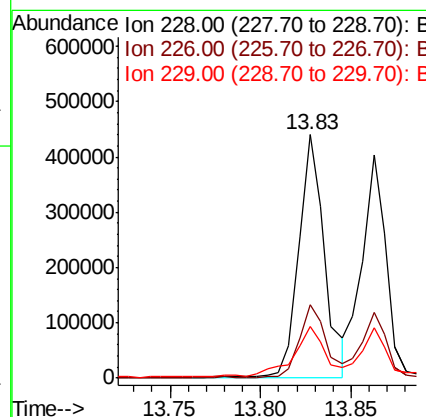
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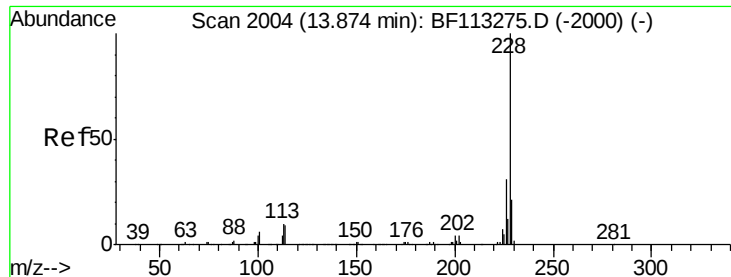
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#81
 Benzo(a)anthracene
 Concen: 15.564 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113386.D
 Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.8	32.8
229	21.0	16.2	24.4





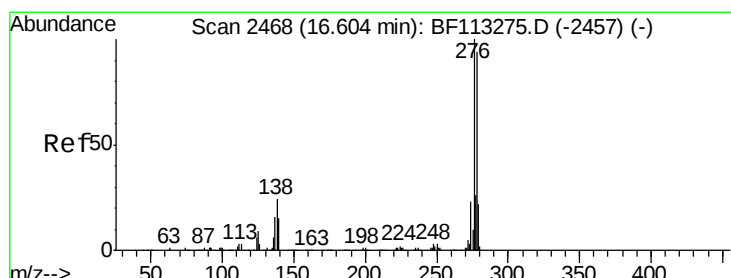
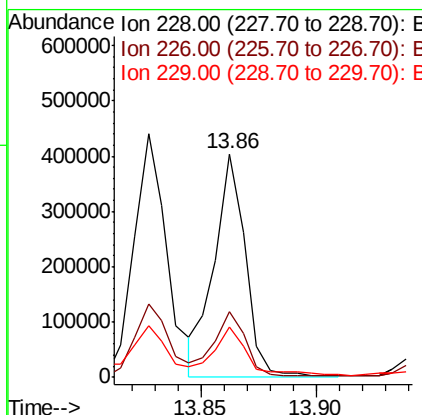
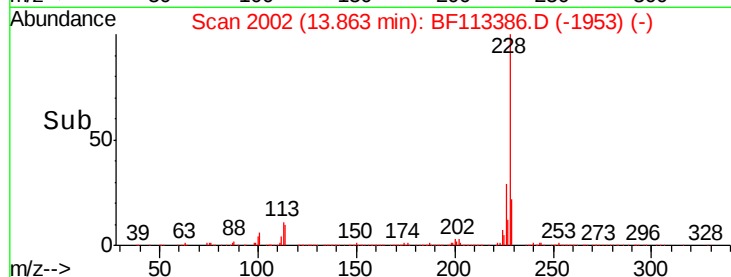
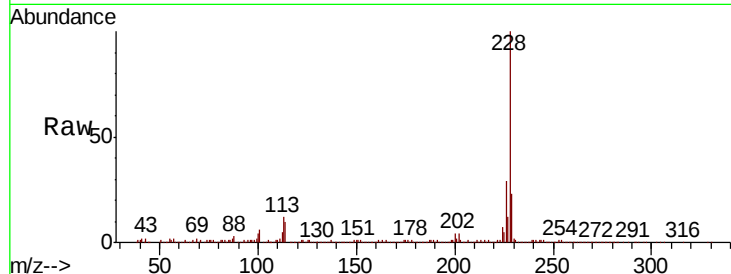
#83
Chrysene
Concen: 13.099 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	22.6	16.3	24.5

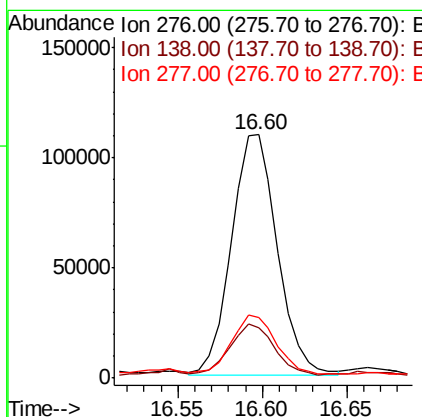
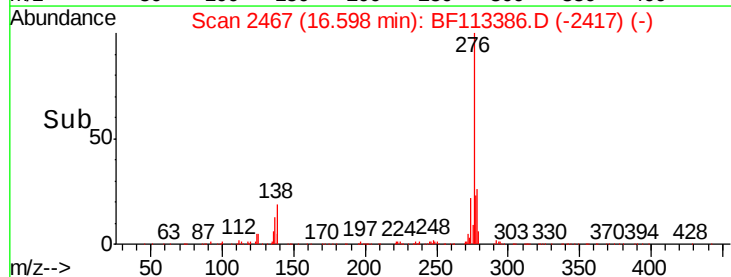
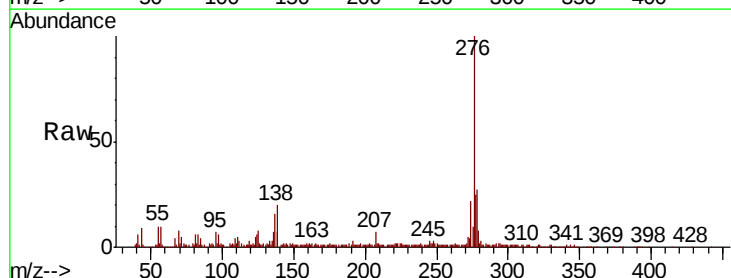
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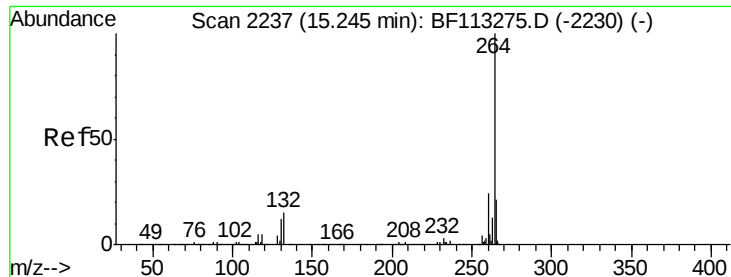
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.344 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.1	27.1
277	23.3	20.2	30.4





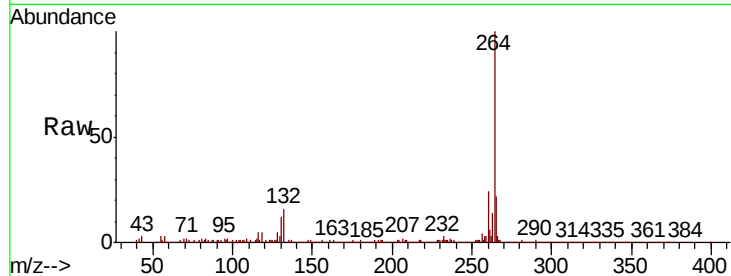
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.0	17.1	25.7

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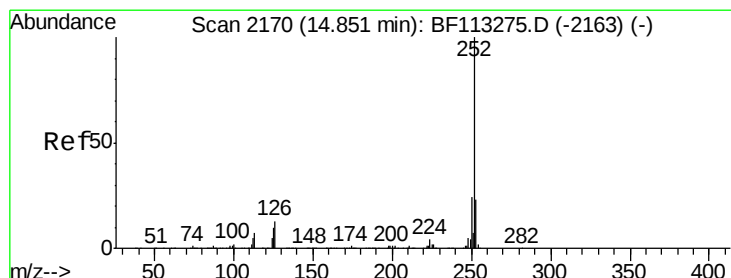
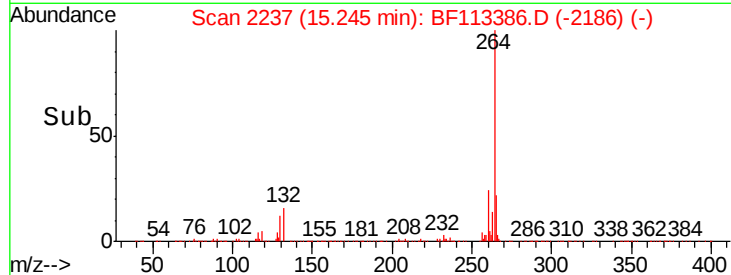
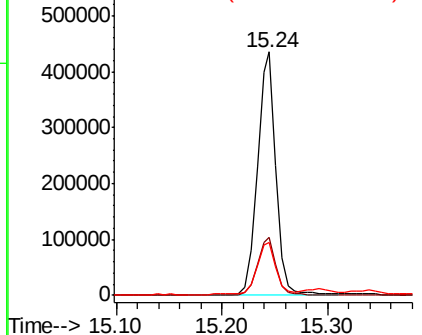


Abundance

Ion 264.00 (263.70 to 264.70): E

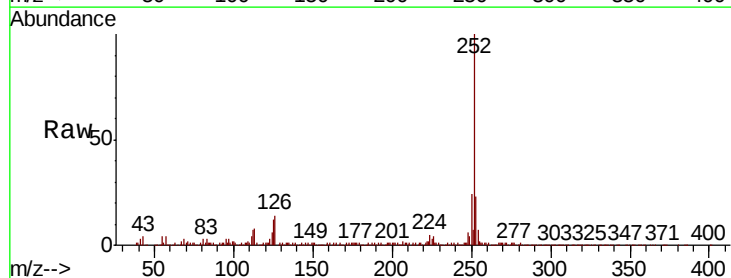
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 14.371 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.6	7.6	11.4#

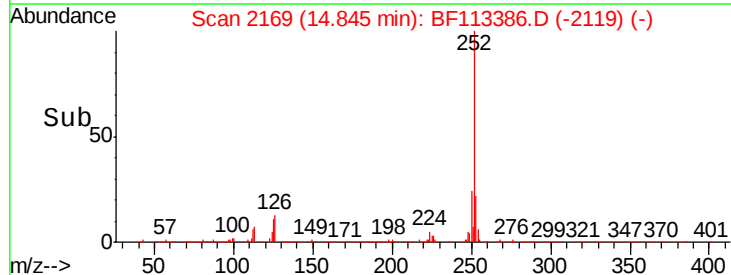
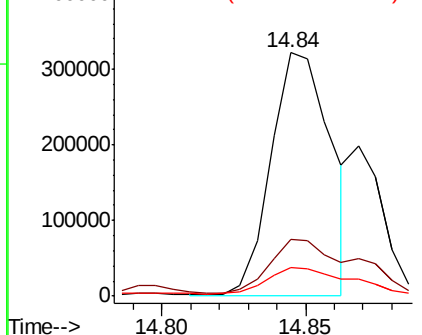


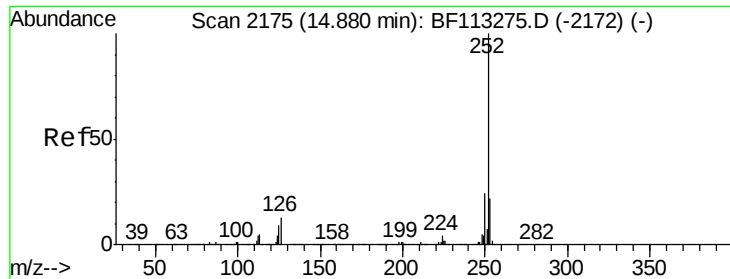
Abundance

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





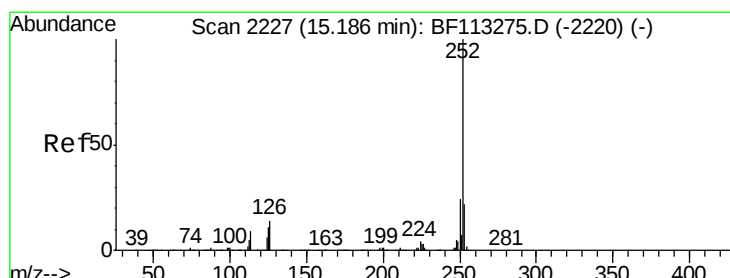
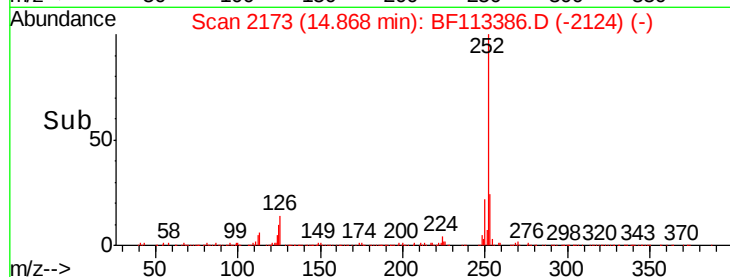
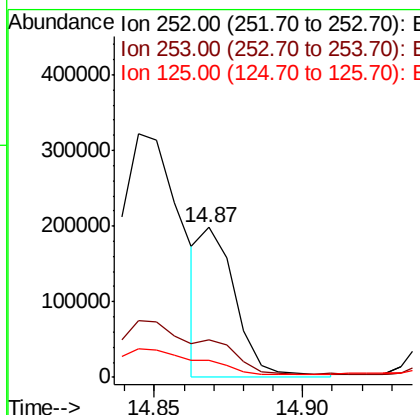
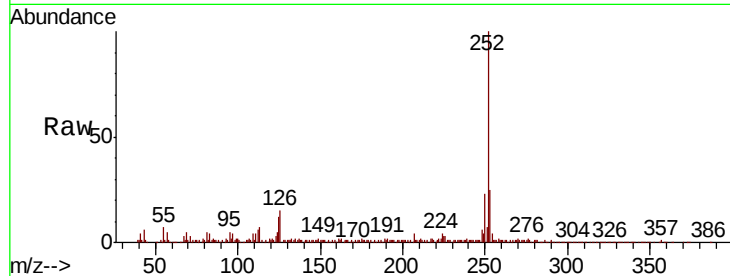
#89
Benzo(k)fluoranthene
Concen: 5.567 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.7	26.5
125	11.6	7.3	10.9

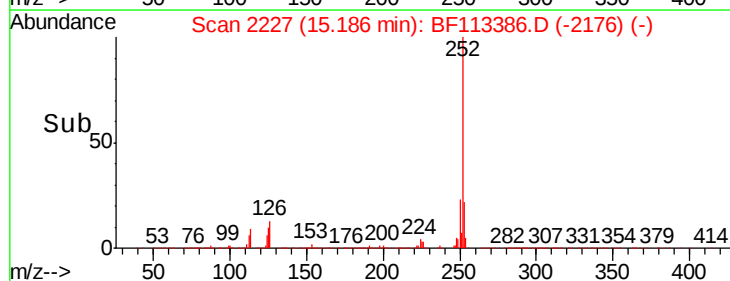
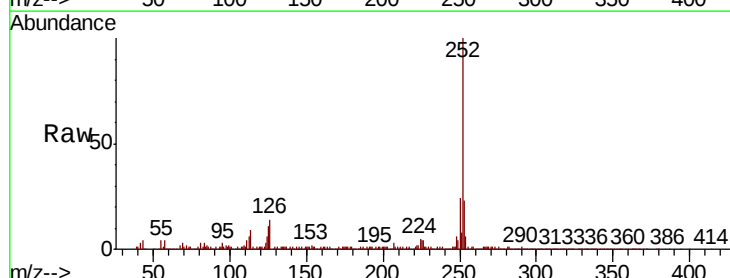
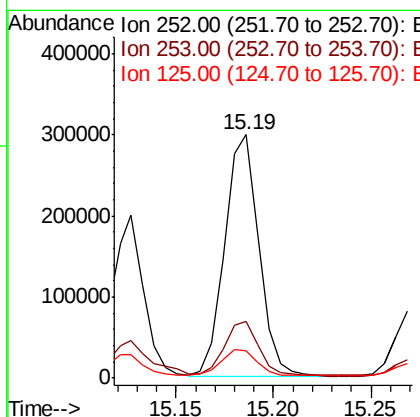
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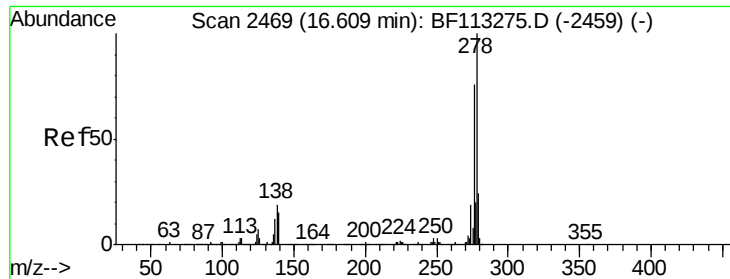
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#90
Benzo(a)pyrene
Concen: 12.443 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.4	8.8	13.2





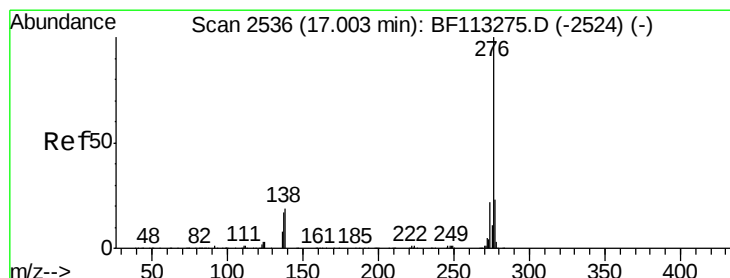
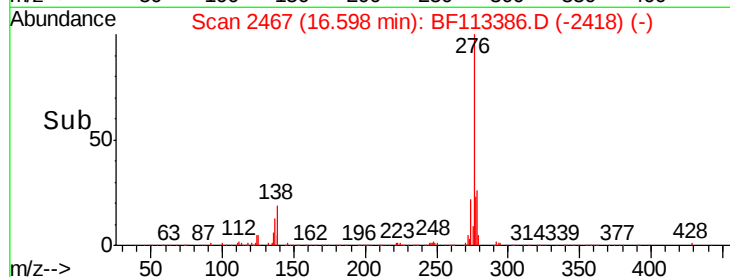
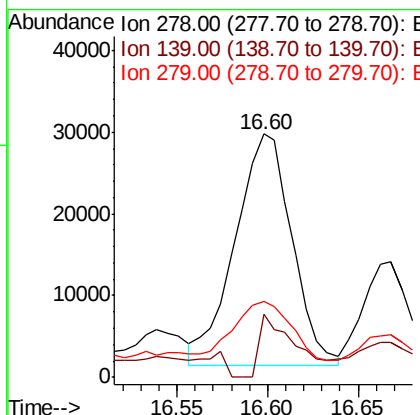
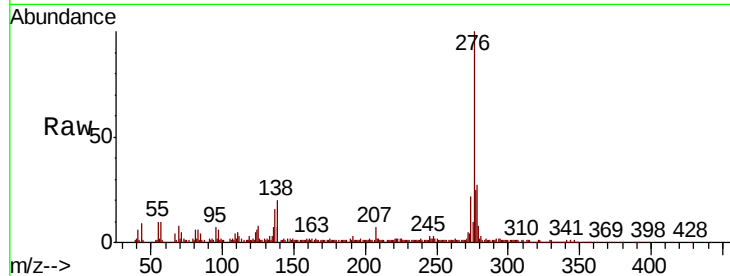
#91
Dibenzo(a,h)anthracene
Concen: 2.444 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Instrument :
BNA_F
ClientSampleId :
SU-02-032719-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.7	12.0	18.0#
279	31.1	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 6.970 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BF113386.D
Acq: 28 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	21.4	15.6	23.4

