

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114944.D
 Acq On : 11 Jun 2019 14:18
 Operator : HP/JU
 Sample : K3163-05 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060719-A

Manual Integrations
 APPROVED

mohammad
 6/12/2019 9:03:46 AM

Quant Time: Jun 11 14:48:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	196635	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	775230	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	394995	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	762563	20.00	ng	0.00
76) Chrysene-d12	13.79	240	586520	20.00	ng	0.00
87) Perylene-d12	15.17	264	512438	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	561208	48.30	ng	-0.01
7) Phenol-d6	6.30	99	706121	50.39	ng	-0.01
23) Nitrobenzene-d5	7.22	82	407630	32.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	202679	47.17	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	868739	34.91	ng	0.00
79) Terphenyl-d14	12.74	244	921422	31.24	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.96	128	74719	2.092	ng	96
49) Acenaphthylene	9.55	152	162873	4.431	ng	98
50) Dimethylphthalate	9.41	163	86300	2.907	ng	96
58) Fluorene	10.23	166	89430	3.649	ng	100
71) Phenanthrene	11.18	178	605534	16.367	ng	96
72) Anthracene	11.23	178	180072	4.795	ng	96
75) Fluoranthene	12.37	202	969511	25.335	ng	96
78) Pyrene	12.59	202	1004292	19.661	ng	97
81) Benzo(a)anthracene	13.77	228	624731m	14.405	ng	
83) Chrysene	13.81	228	548674	12.599	ng	97
86) Indeno(1,2,3-cd)pyrene	16.47	276	213013	5.203	ng	95
88) Benzo(b)fluoranthene	14.79	252	712618m	21.361	ng	
89) Benzo(k)fluoranthene	14.81	252	165392m	5.713	ng	
90) Benzo(a)pyrene	15.11	252	419260	14.469	ng	# 95
91) Dibenzo(a,h)anthracene	16.49	278	58294	2.382	ng	# 75
92) Benzo(g,h,i)perylene	16.87	276	189279	7.758	ng	96

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

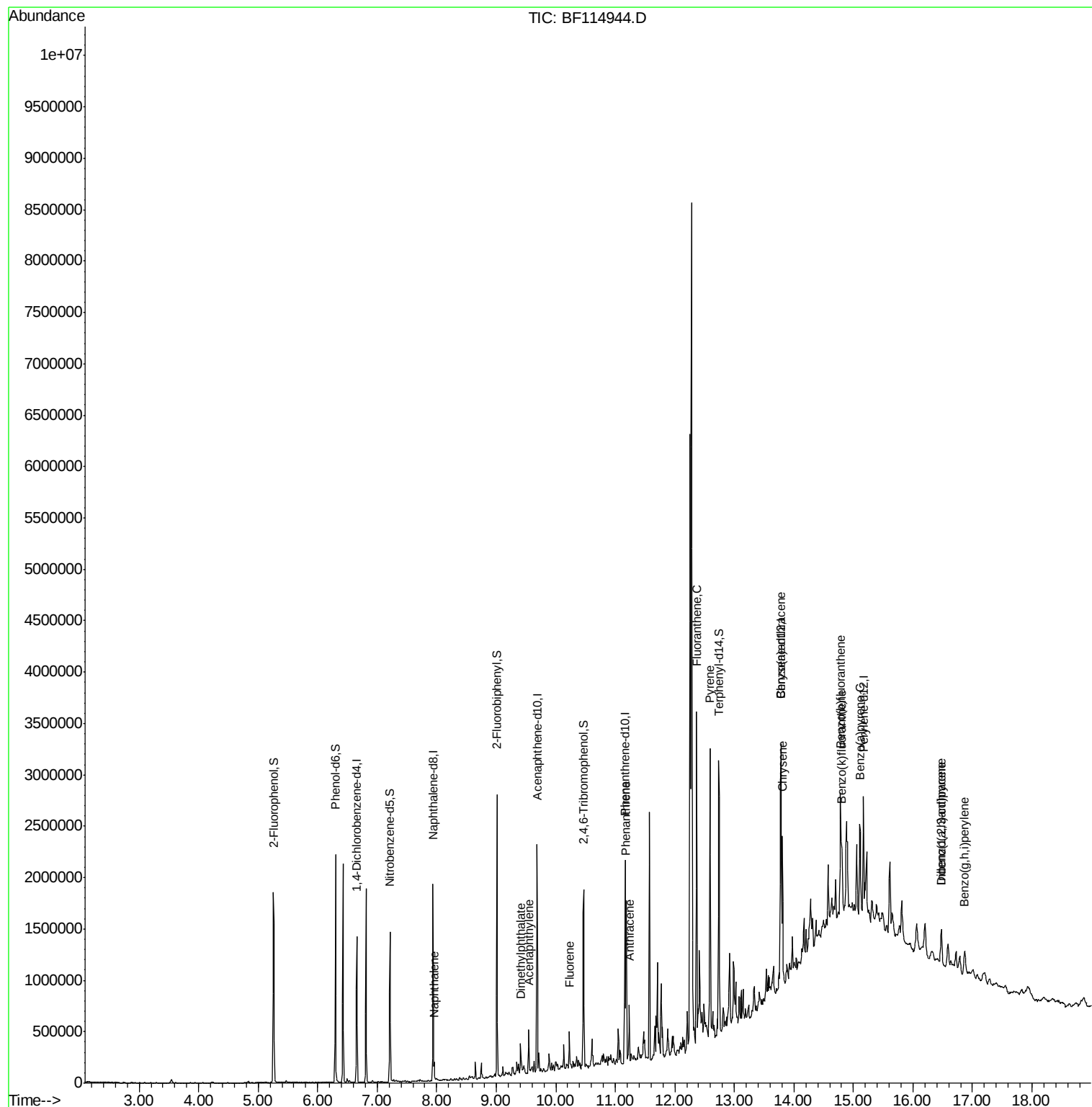
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114944.D
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Sample : K3163-05 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

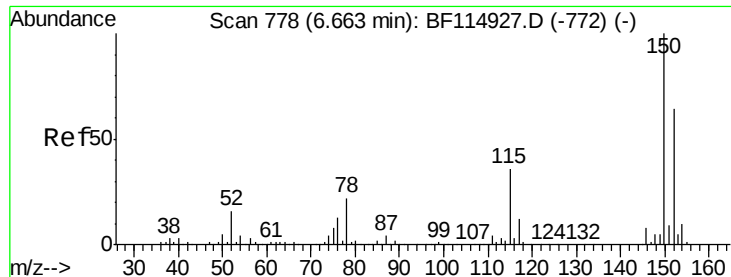
Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

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Quant Time: Jun 11 14:48:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

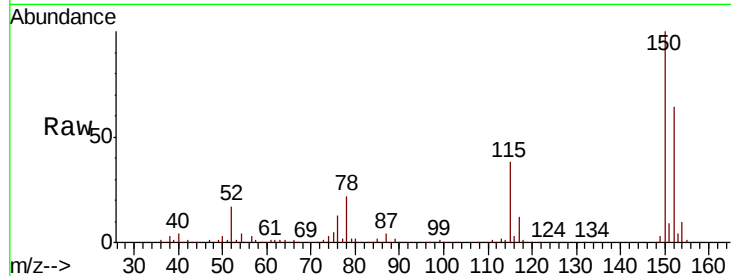
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.2	187.8
115	58.4	45.0	67.4

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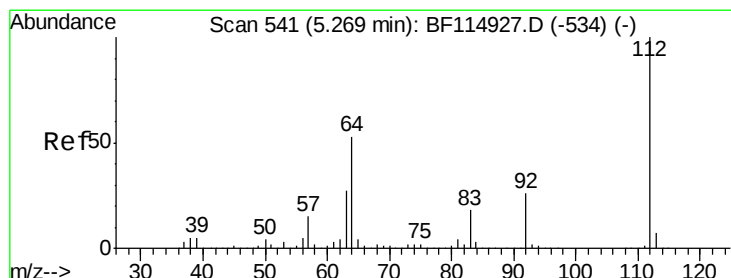
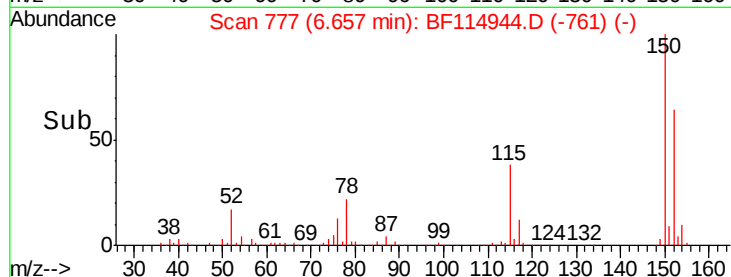
Abundance

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

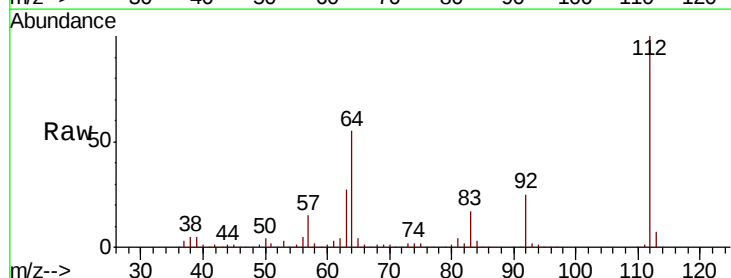
Time-->



#5

2-Fluorophenol
Concen: 48.303 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	42.1	63.1
63	26.9	21.8	32.8



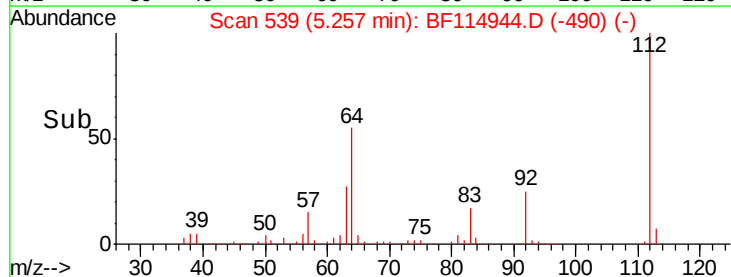
Abundance

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

Time-->





#7

Phenol-d6

Concen: 50.386 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Instrument :

BNA_F

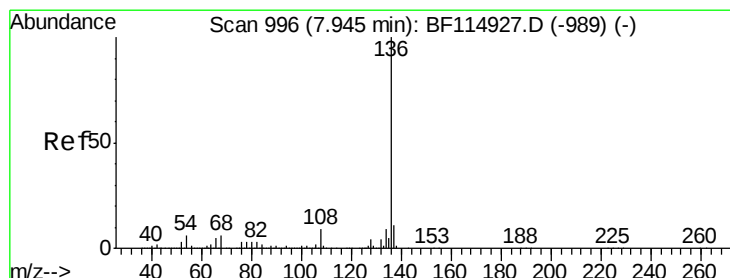
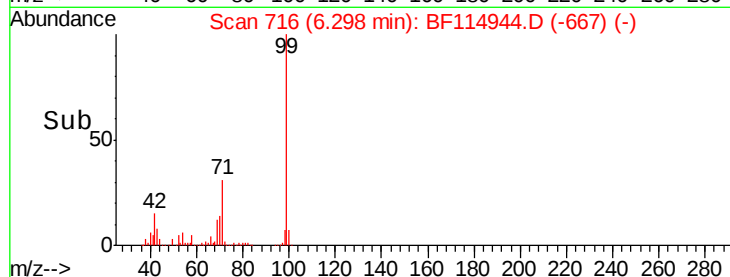
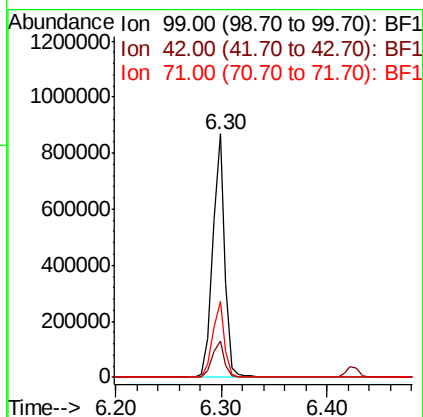
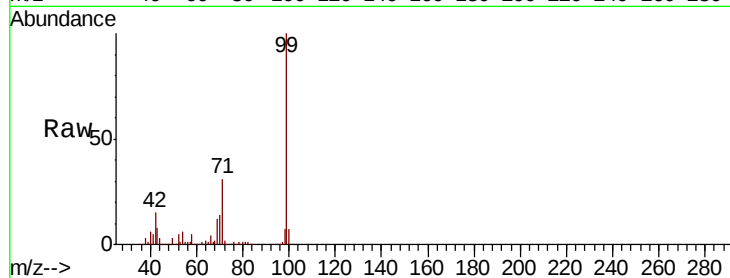
ClientSampleId :

SU-04-060719-A

Tot Ion	99	Resp	706121
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.1	19.7
71	31.0	26.8	40.2

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#21

Naphthalene-d8

Concen: 20.000 ng

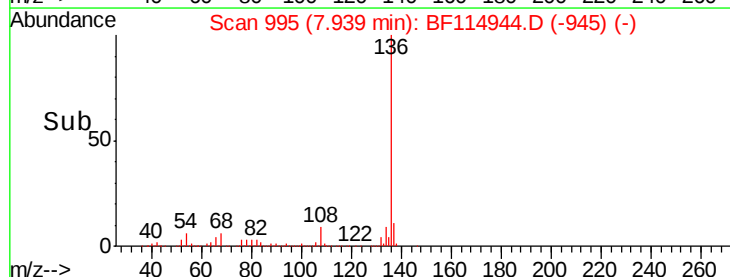
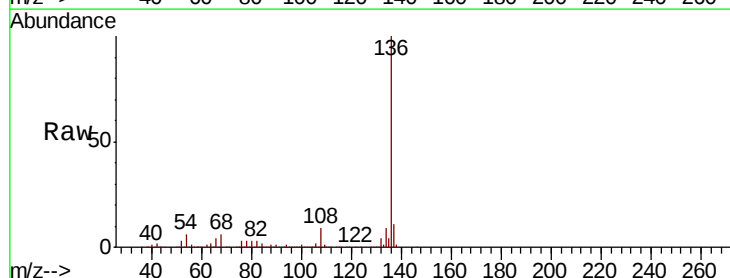
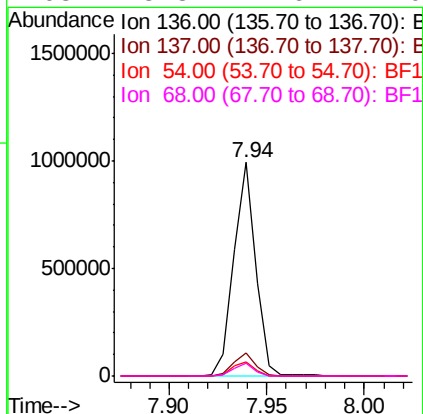
RT: 7.94 min Scan# 995

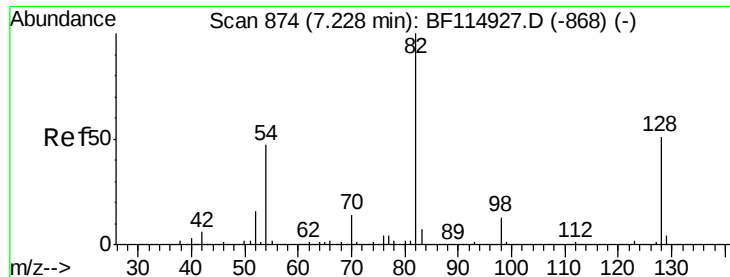
Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Tgt Ion	136	Resp	775230
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	6.3	5.2	7.8
68	5.8	4.6	7.0





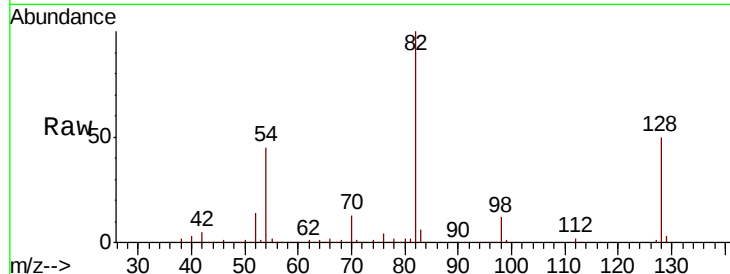
#23
Nitrobenzene-d5
Concen: 32.307 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

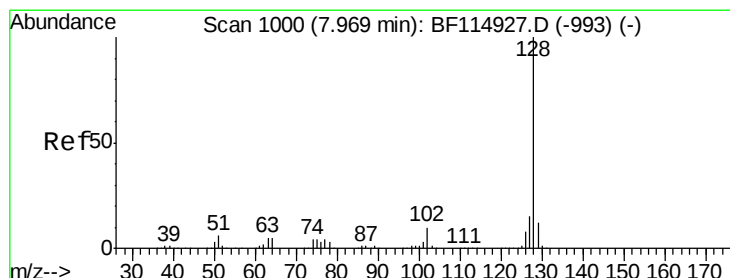
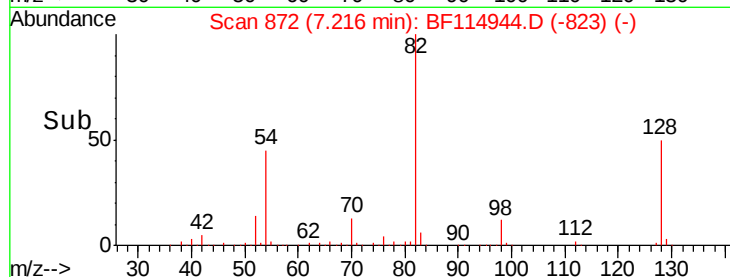
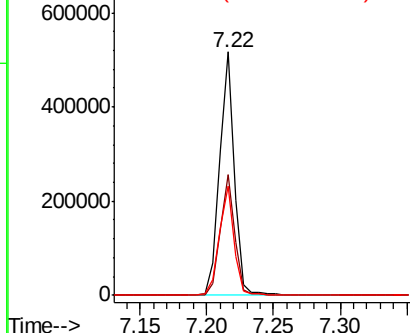
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.9	61.3
54	44.6	37.4	56.0

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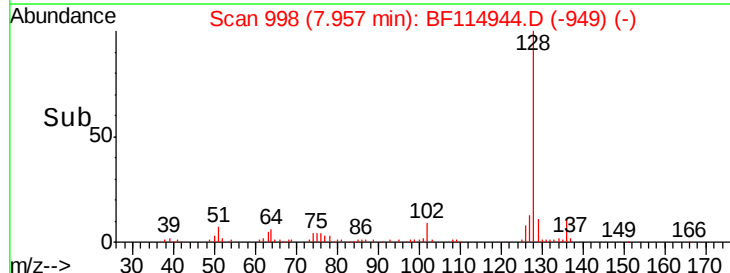
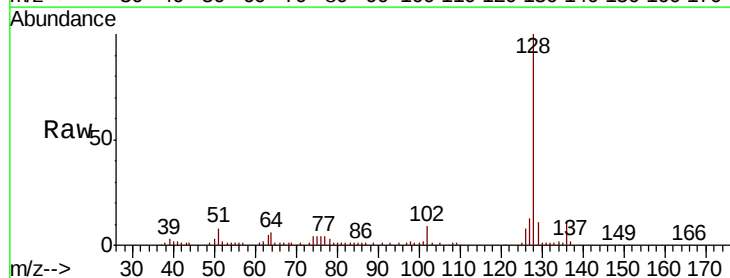
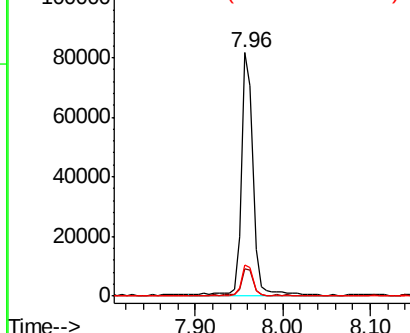
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

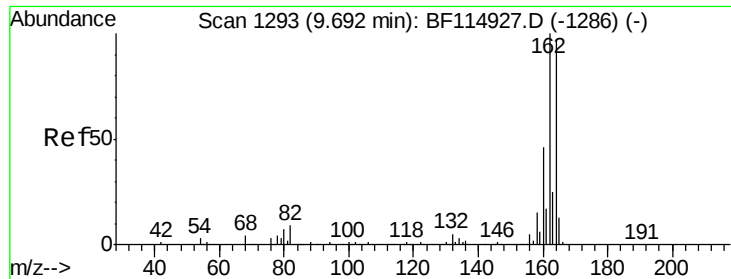


#31
Naphthalene
Concen: 2.092 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.8
127	12.9	11.8	17.6

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





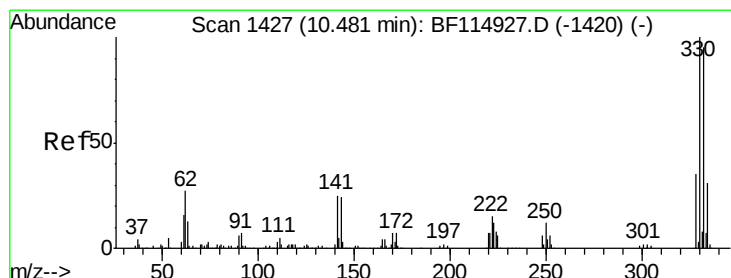
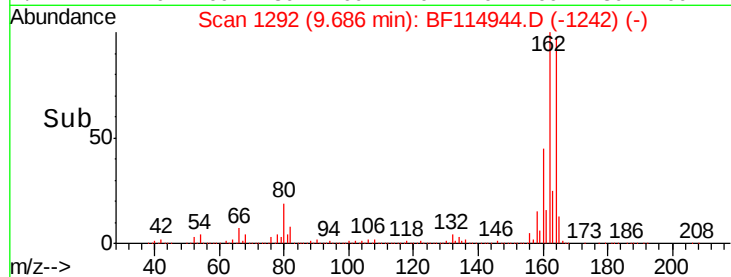
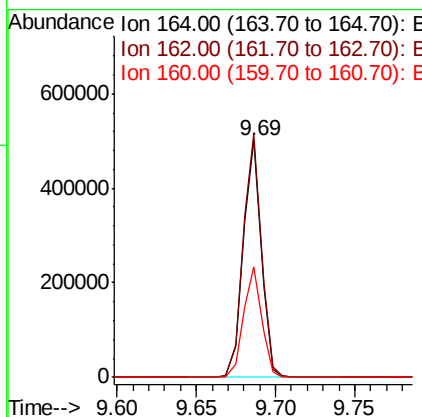
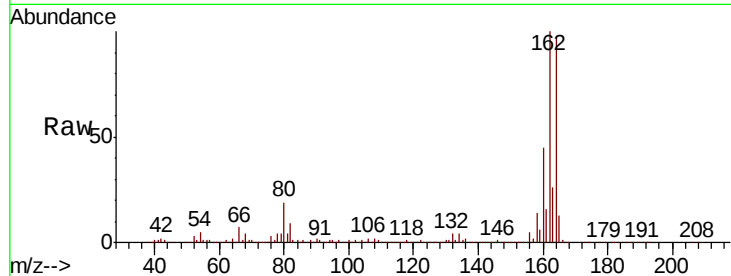
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.4	123.6	
160	46.6	37.5	56.3	

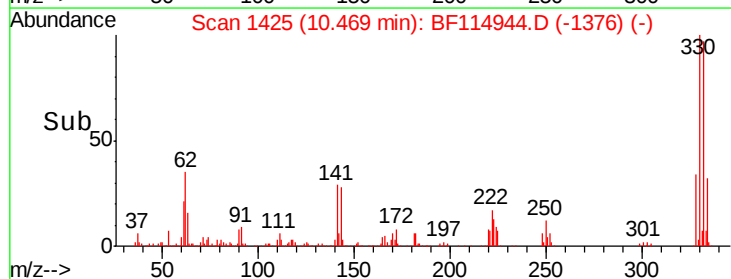
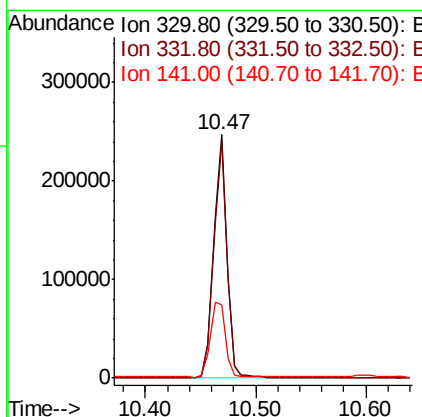
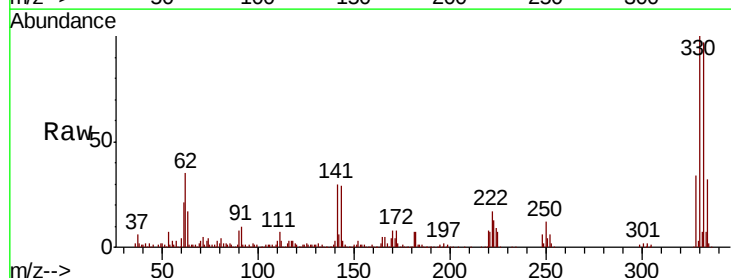
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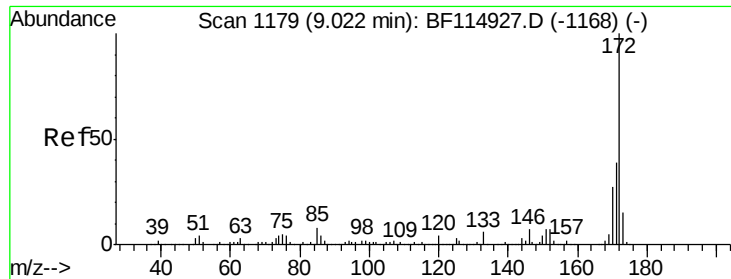
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#42
2,4,6-Tribromophenol
Concen: 47.170 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.4	114.6	
141	33.8	26.8	40.2	





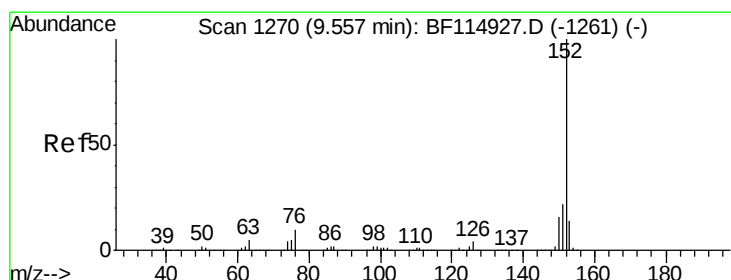
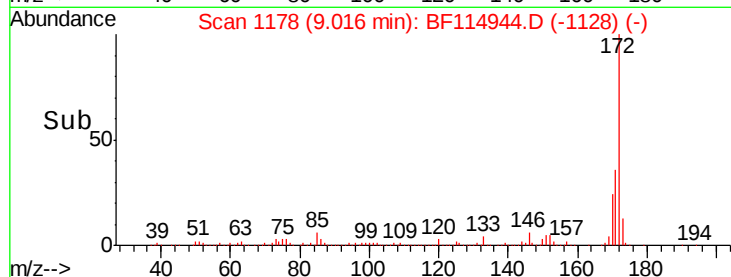
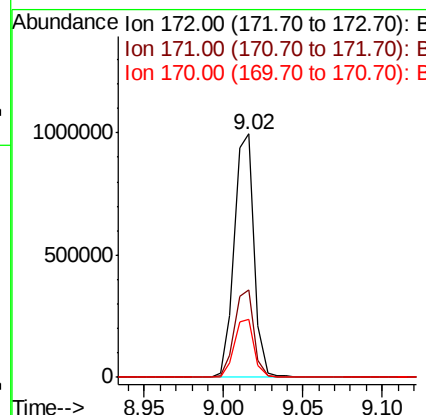
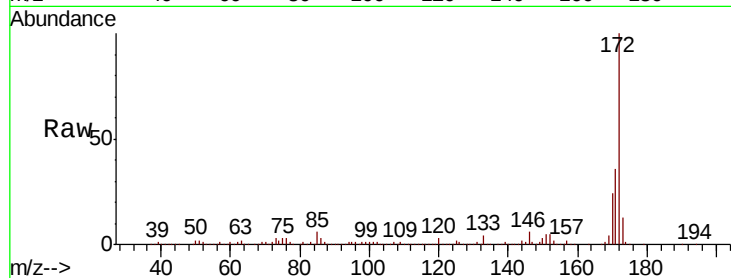
#45
2-Fluorobiphenyl
Concen: 34.905 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampled :
SU-04-060719-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	31.3	46.9
170	23.9	21.4	32.0

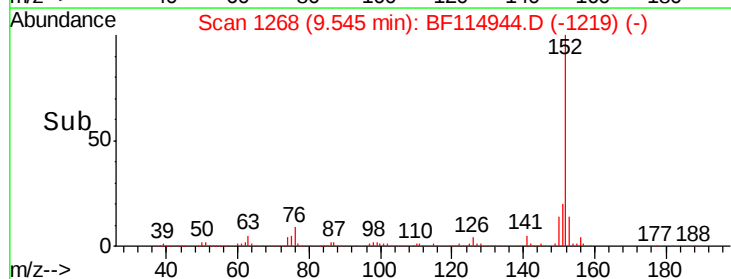
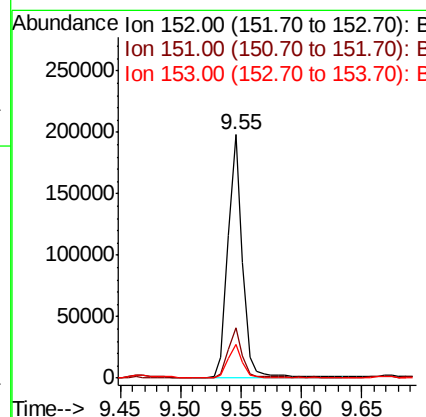
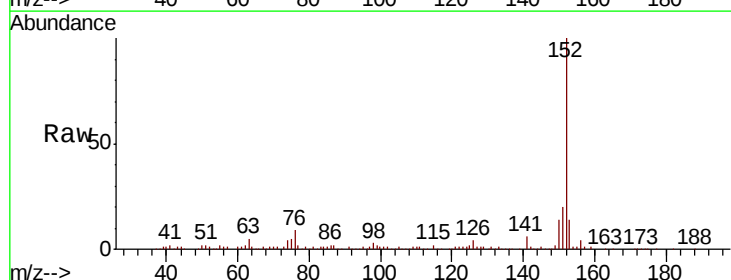
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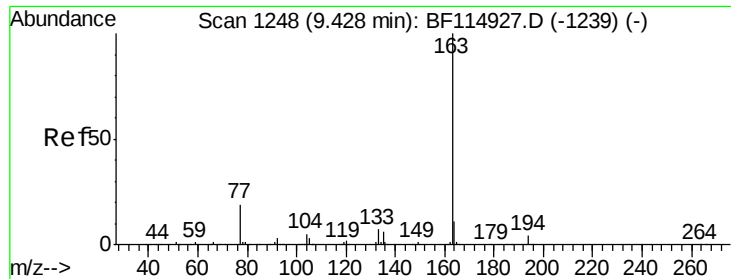
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#49
Acenaphthylene
Concen: 4.431 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.6	26.4
153	13.7	11.4	17.0





#50

Dimethylphthalate

Concen: 2.907 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Instrument :

BNA_F

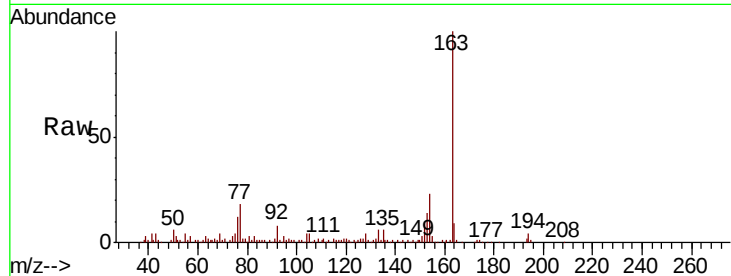
ClientSampleId :

SU-04-060719-A

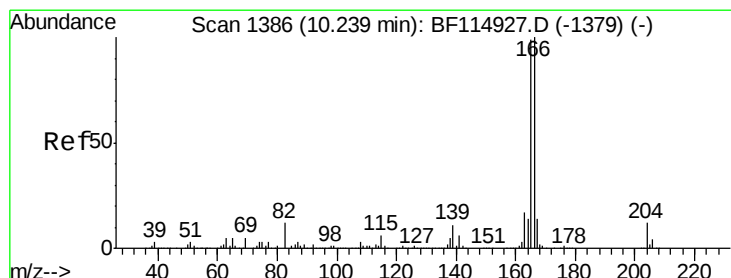
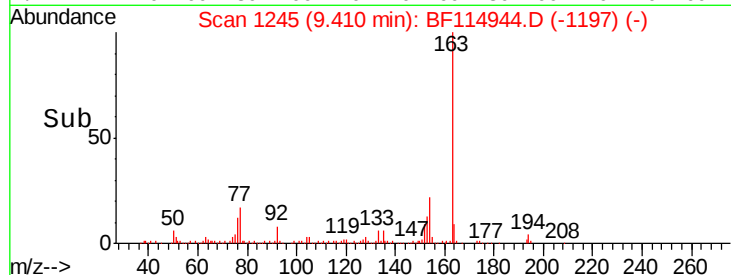
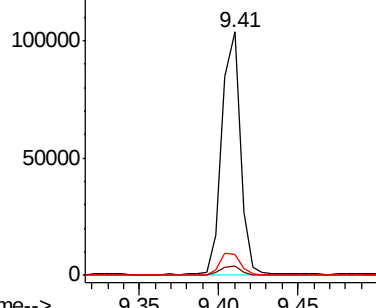
Tot Ion:	163	Resp:	86300
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	8.7	8.7	13.1

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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: 3.649 ng

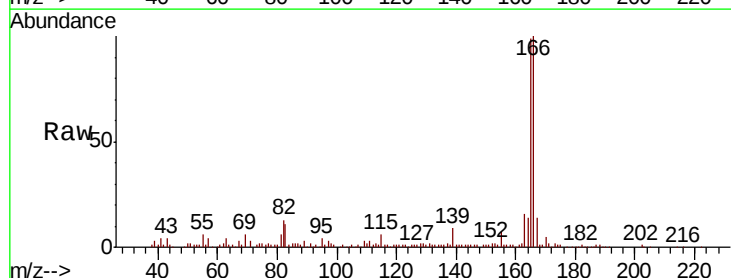
RT: 10.23 min Scan# 1384

Delta R.T. -0.01 min

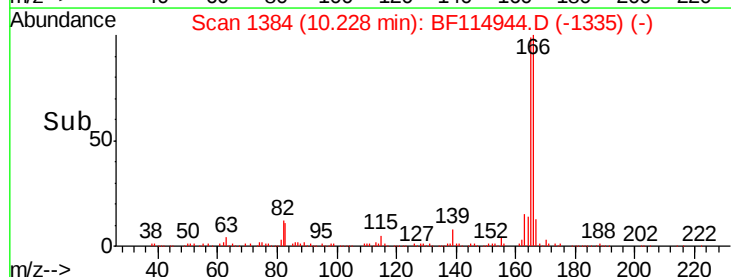
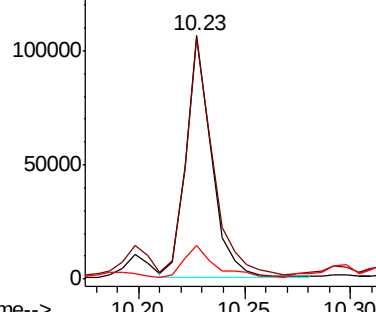
Lab File: BF114944.D

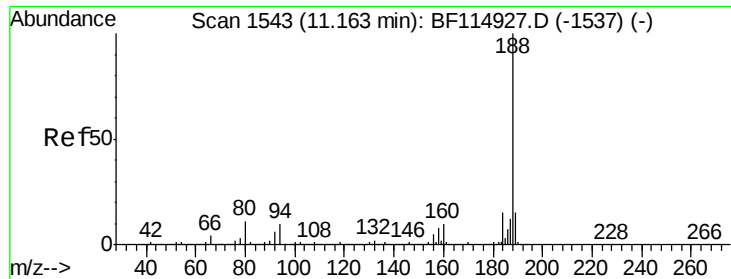
Acq: 11 Jun 2019 14:18

Tgt Ion:	166	Resp:	89430
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.2	118.8
167	14.0	11.0	16.6



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





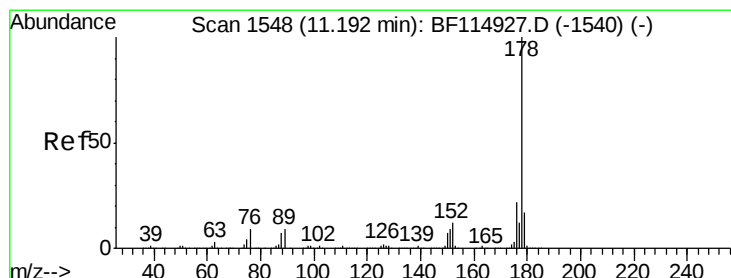
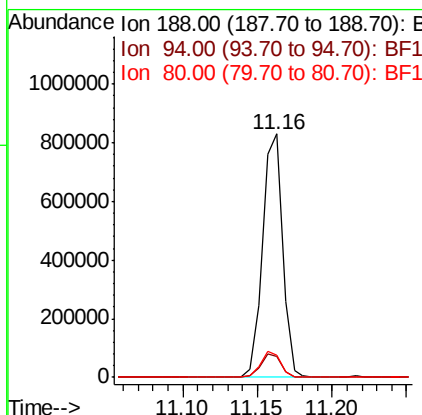
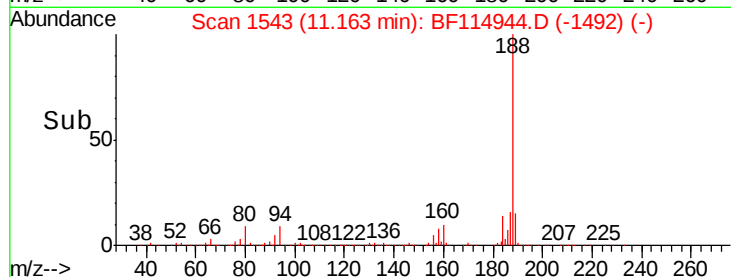
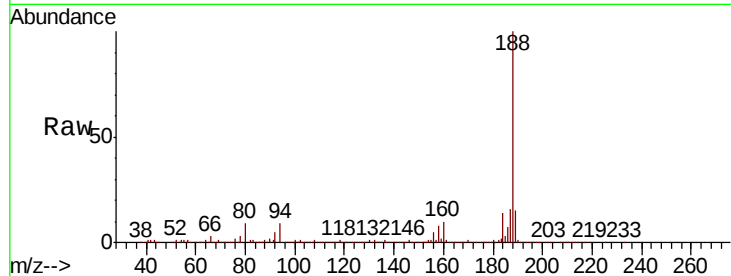
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	8.1	12.1
80	9.4	8.6	12.8

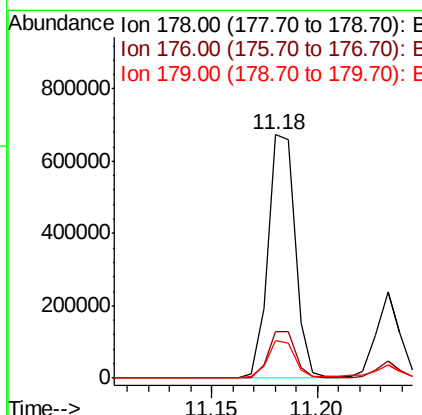
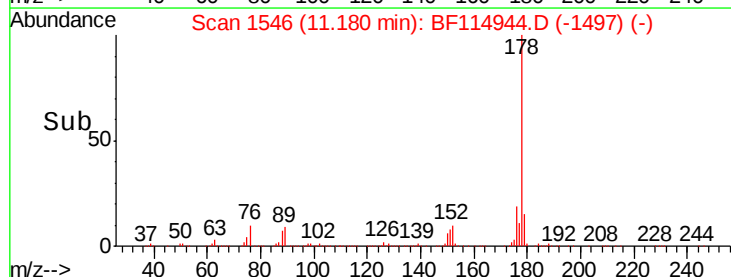
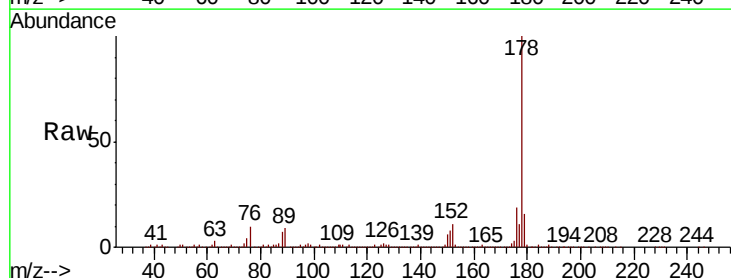
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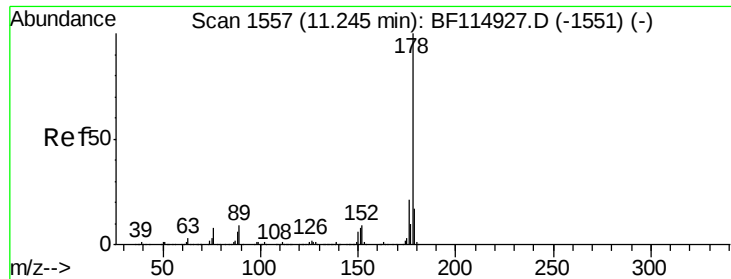
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#71
Phenanthrene
Concen: 16.367 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	17.4	26.2
179	15.5	13.6	20.4





#72

Anthracene

Concen: 4.795 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Instrument :

BNA_F

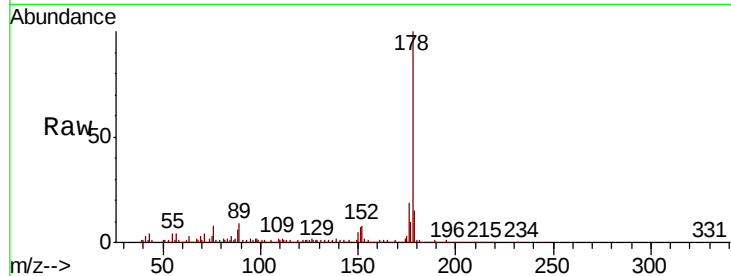
ClientSampleId :

SU-04-060719-A

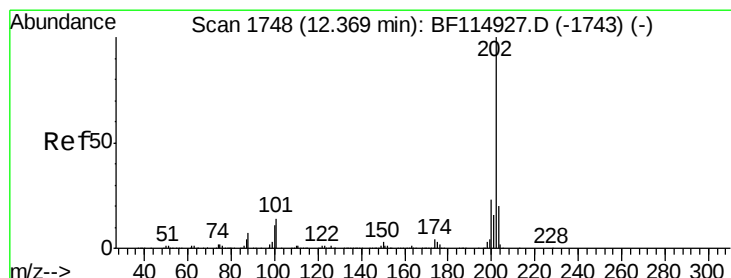
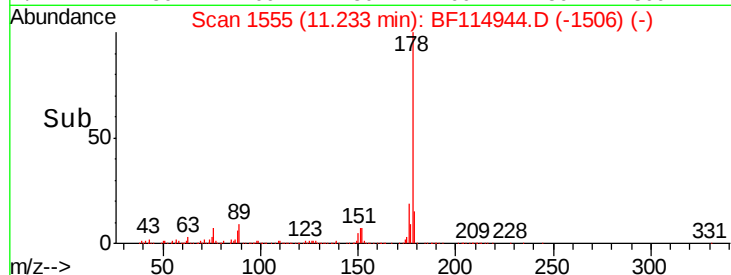
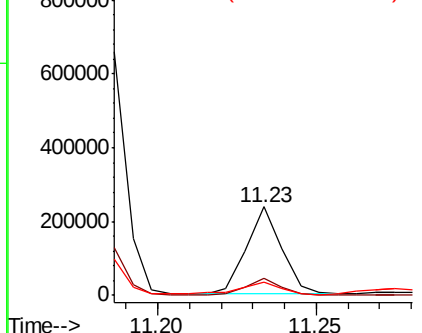
Tot Ion:	178	Resp:	180072
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.6	25.0
179	15.1	13.4	20.2

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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



#75

Fluoranthene

Concen: 25.335 ng

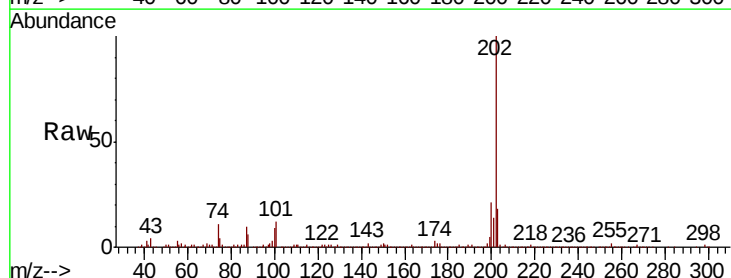
RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

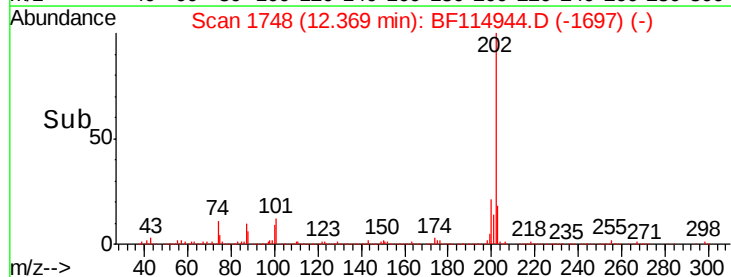
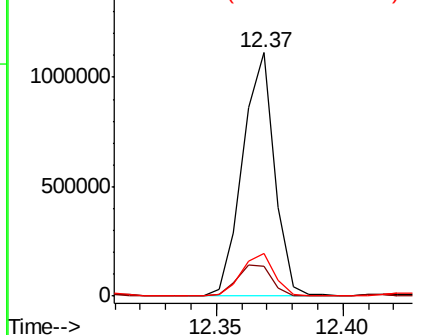
Lab File: BF114944.D

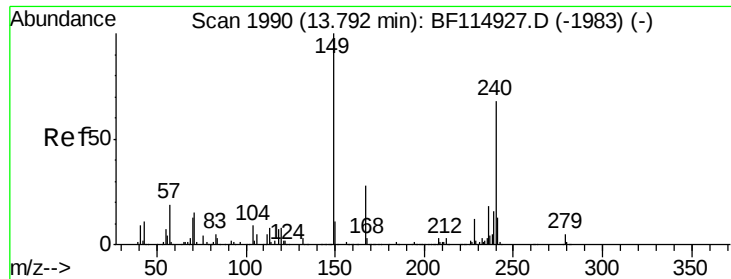
Acq: 11 Jun 2019 14:18

Tgt Ion:	202	Resp:	969511
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.3
203	17.8	0.0	39.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





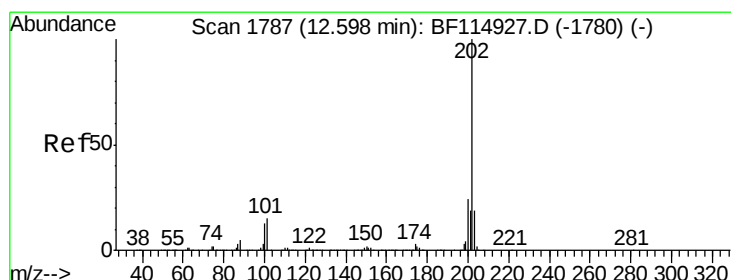
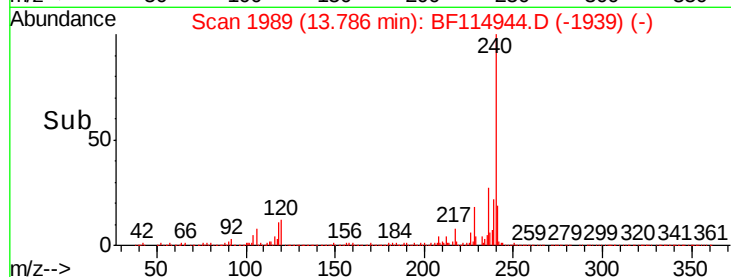
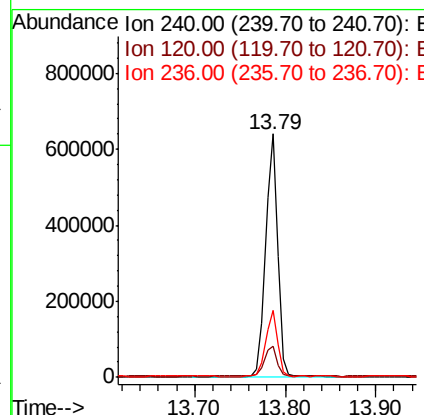
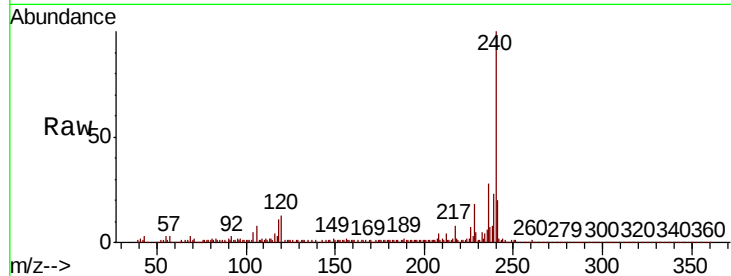
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	27.5	21.7	32.5

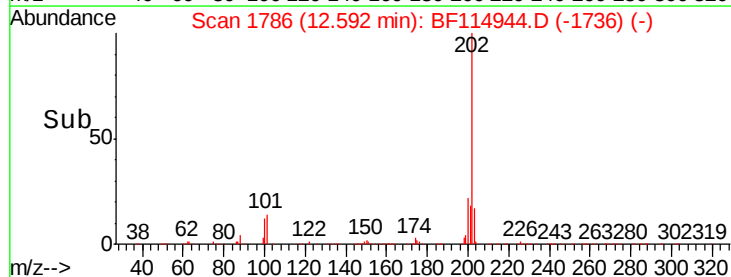
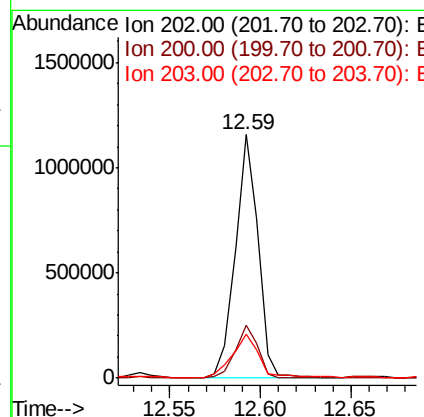
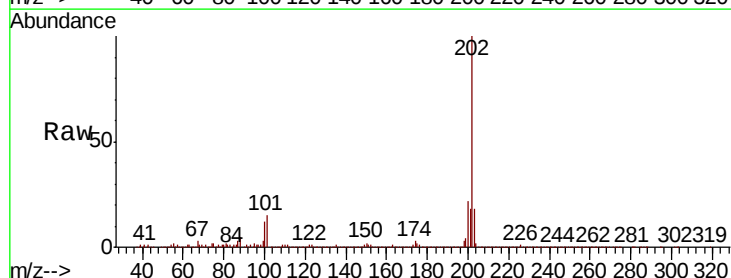
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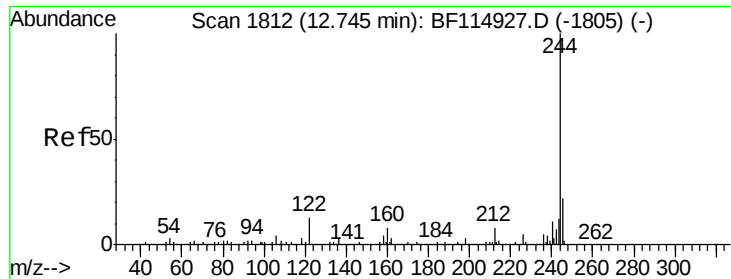
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#78
Pyrene
Concen: 19.661 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.9	28.3
203	17.9	15.2	22.8





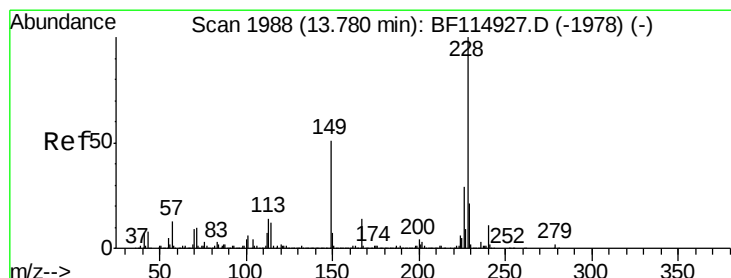
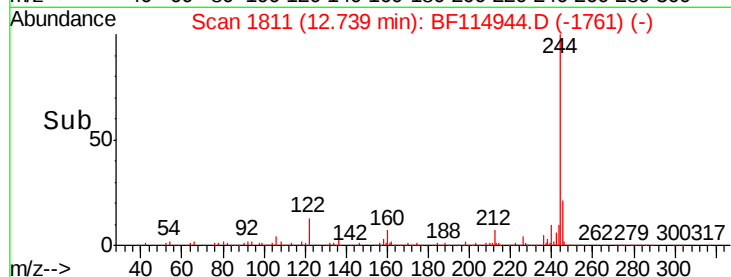
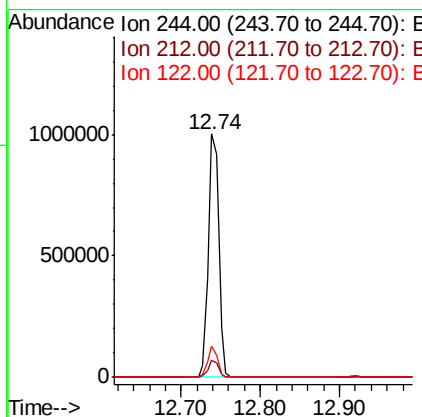
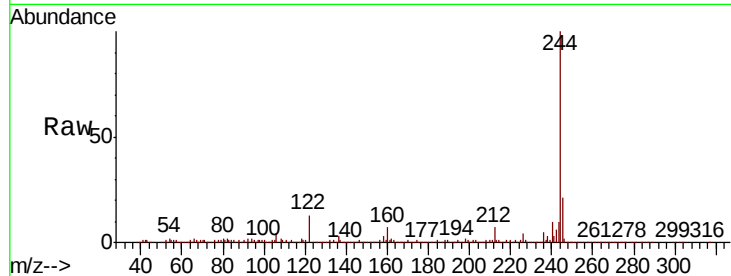
#79
 Terphenyl-d14
 Concen: 31.243 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF114944.D
 Acq: 11 Jun 2019 14:18

Instrument :
 BNA_F
 ClientSampled :
 SU-04-060719-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	13.0	10.2	15.4

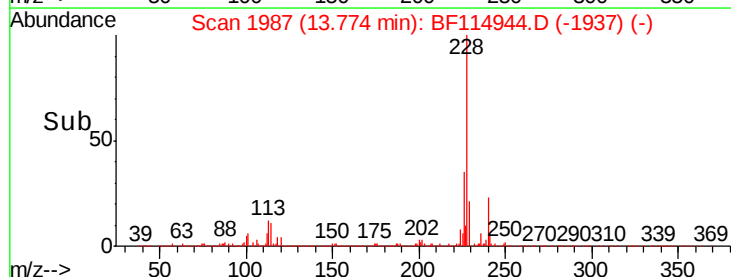
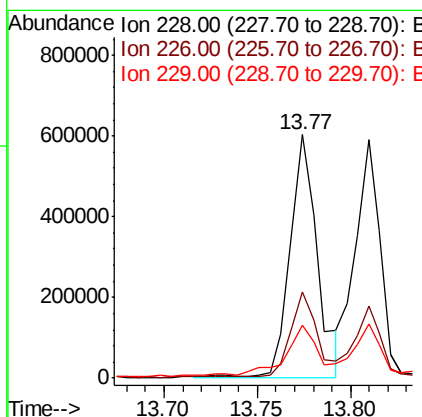
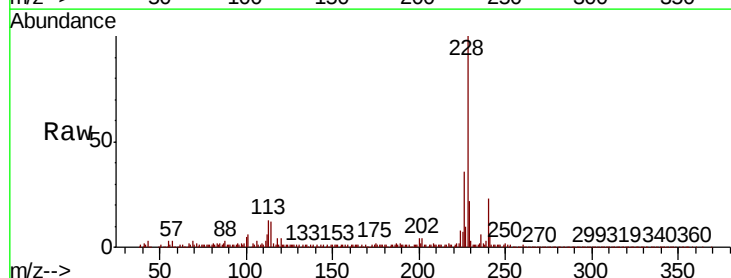
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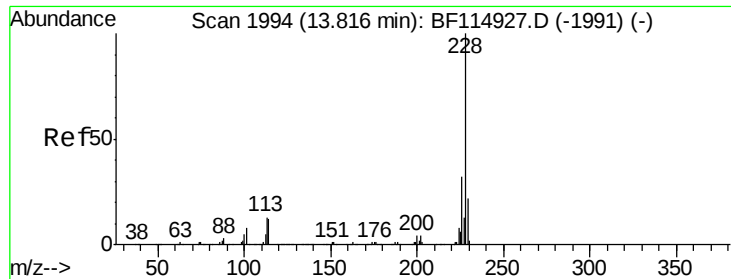
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#81
 Benzo(a)anthracene
 Concen: 14.405 ng m
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114944.D
 Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.8	34.2#
229	21.6	16.6	25.0





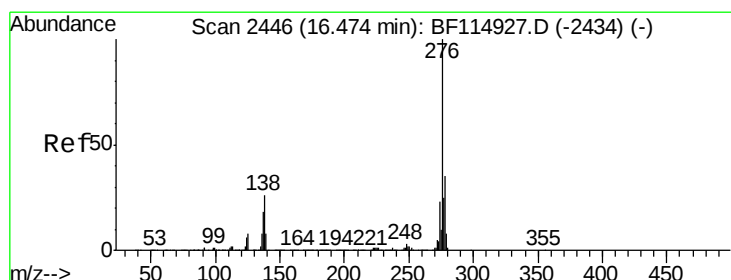
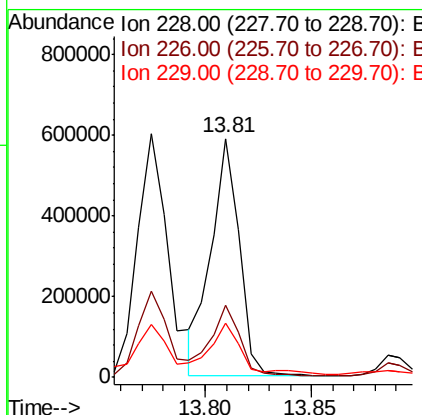
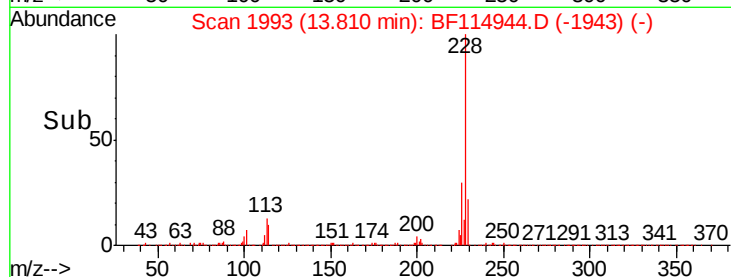
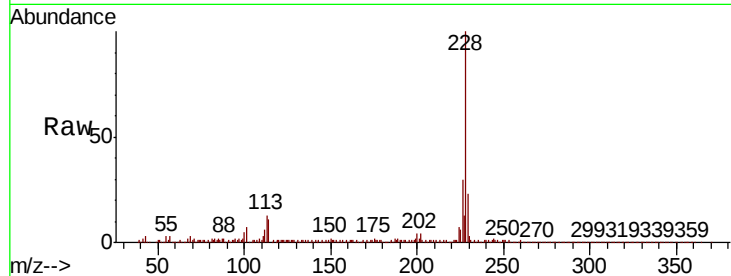
#83
Chrysene
Concen: 12.599 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.8	38.8
229	22.8	17.2	25.8

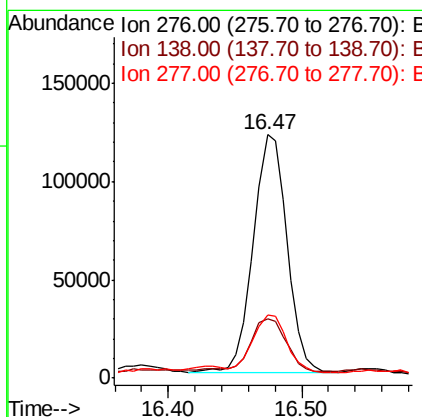
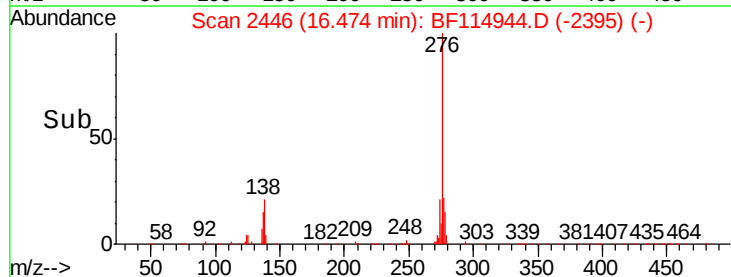
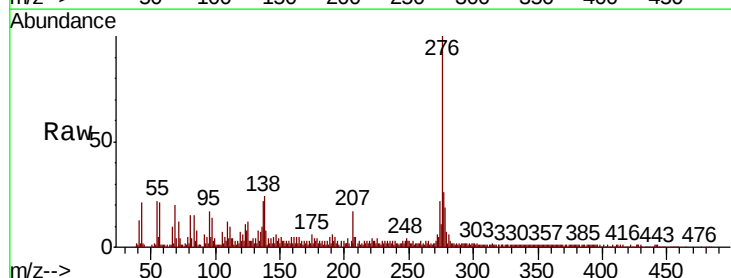
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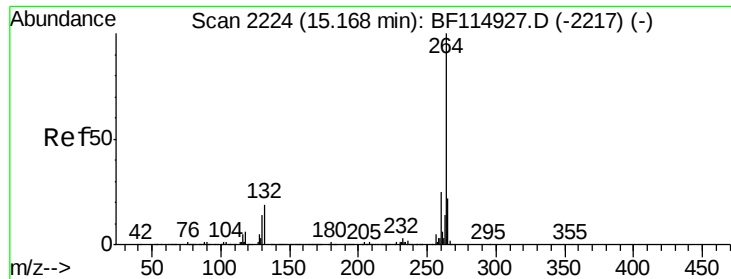
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.203 ng
RT: 16.47 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BF114944.D
Acq: 11 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	23.3	34.9
277	24.2	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Instrument :

BNA_F

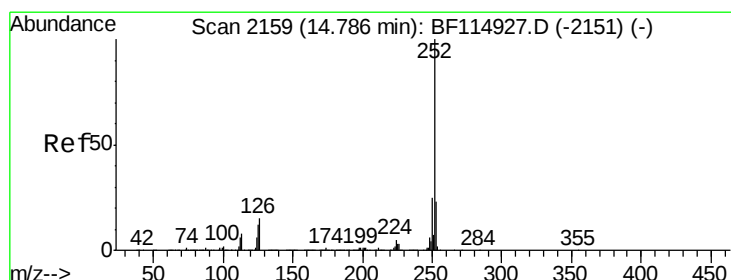
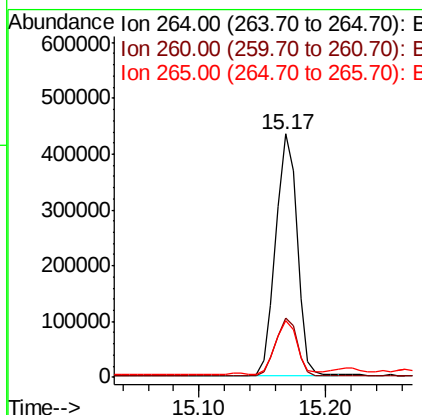
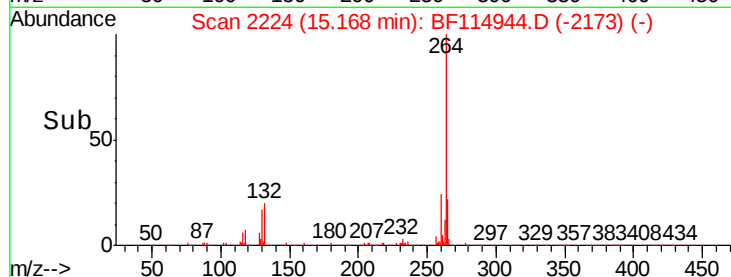
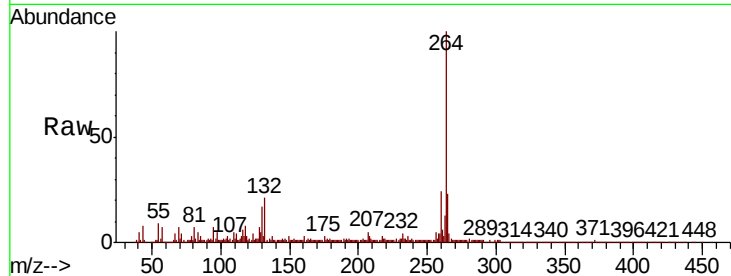
ClientSampleId :

SU-04-060719-A

Tot Ion:	264	Resp:	512438
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.7	29.5
265	23.3	17.5	26.3

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#88

Benzo(b)fluoranthene

Concen: 21.361 ng m

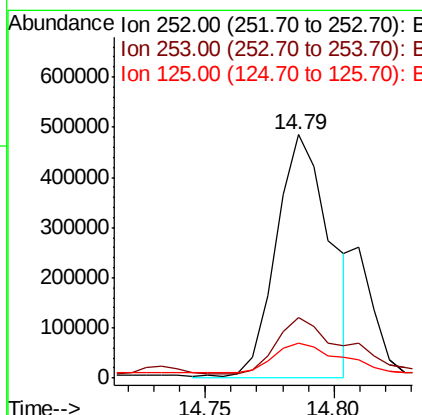
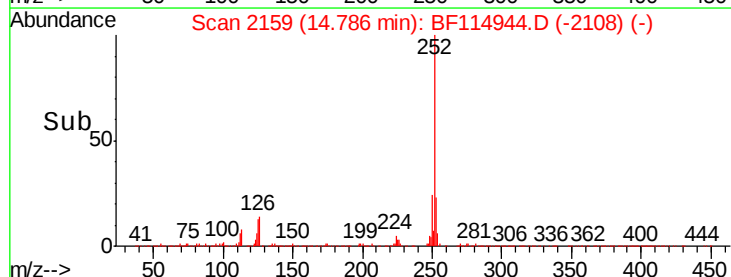
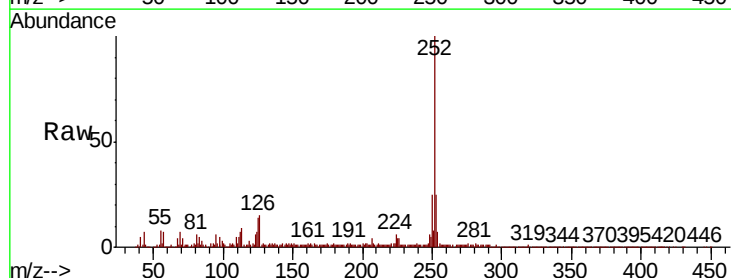
RT: 14.79 min Scan# 2159

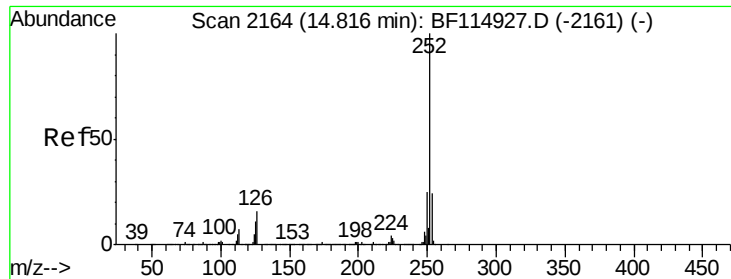
Delta R.T. -0.00 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Tgt Ion:	252	Resp:	712618
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.6	28.0
125	14.5	9.5	14.3





#89

Benzo(k)fluoranthene

Concen: 5.713 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Instrument :

BNA_F

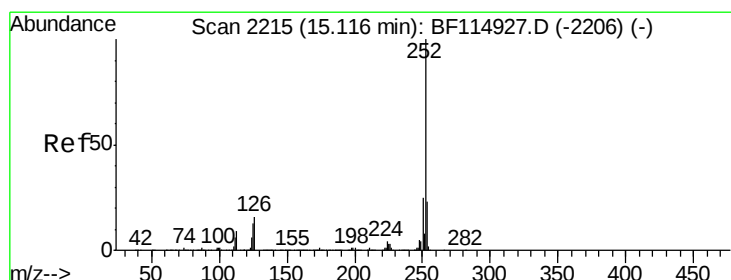
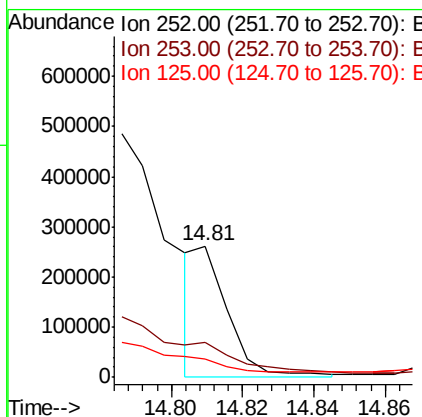
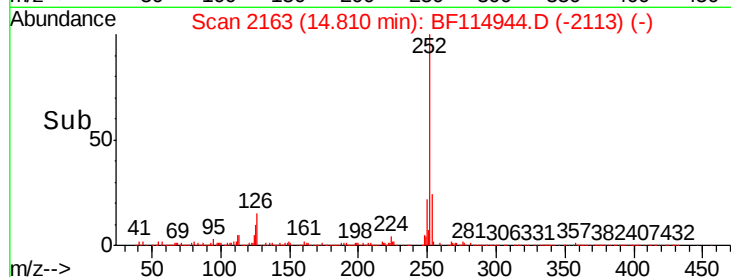
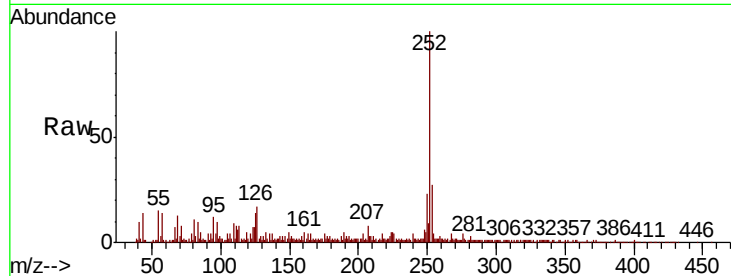
ClientSampleId :

SU-04-060719-A

Tot Ion:	252	Resp:	165392
Ion Ratio	Lower	Upper	
252	100		
253	26.5	18.6	28.0
125	13.7	9.2	13.8

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#90

Benzo(a)pyrene

Concen: 14.469 ng

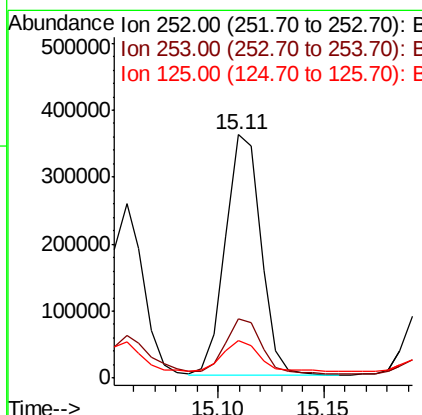
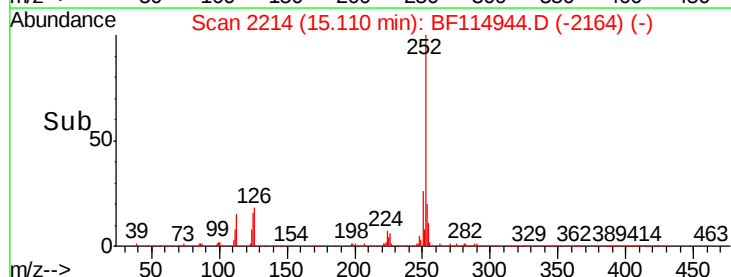
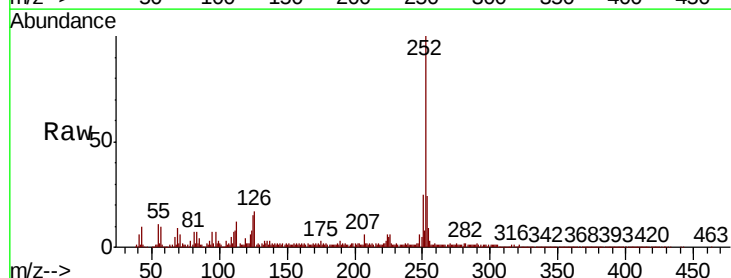
RT: 15.11 min Scan# 2214

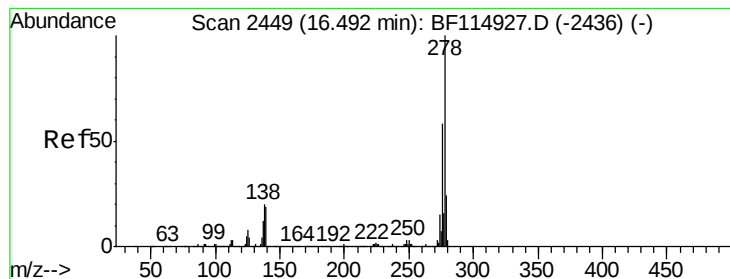
Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Tgt Ion:	252	Resp:	419260
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.2	27.2
125	15.5	10.1	15.1#





#91

Dibenzo(a,h)anthracene

Concen: 2.382 ng

RT: 16.49 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Instrument :

BNA_F

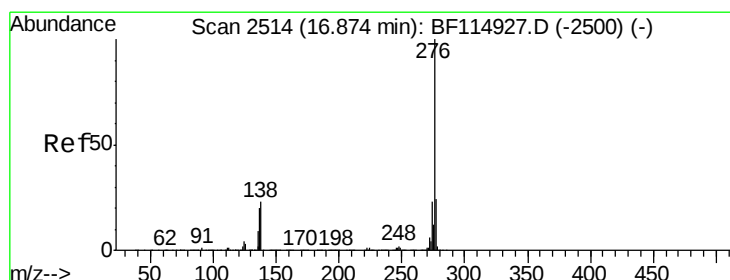
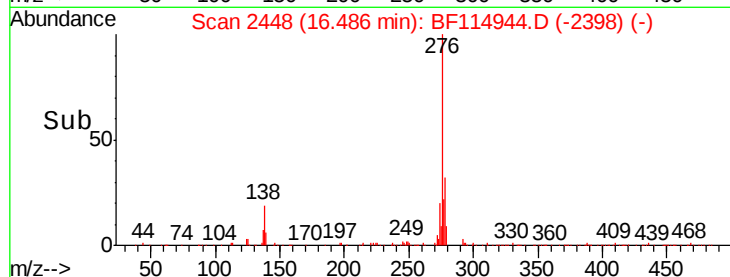
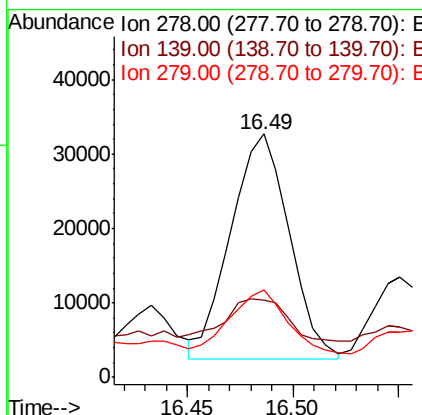
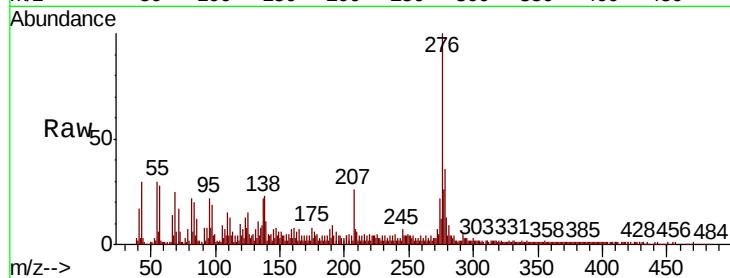
ClientSampleId :

SU-04-060719-A

Tot Ion:	278	Resp:	58294
Ion Ratio	Lower	Upper	
278	100		
139	31.7	15.1	22.7#
279	35.7	19.6	29.4#

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#92

Benzo(g,h,i)perylene

Concen: 7.758 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BF114944.D

Acq: 11 Jun 2019 14:18

Tgt Ion:	276	Resp:	189279
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.0	28.6
138	26.1	18.7	28.1

