

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114951.D
 Acq On : 11 Jun 2019 18:56
 Operator : HP/JU
 Sample : K3163-07 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 6/12/2019 9:04:02 AM

Quant Time: Jun 12 04:52:21 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	248280	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	945906	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	450578	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	789450	20.00	ng	0.00
76) Chrysene-d12	13.79	240	604174	20.00	ng	0.00
87) Perylene-d12	15.17	264	536999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	657053	44.79	ng	0.00
7) Phenol-d6	6.30	99	823589	46.54	ng	-0.01
23) Nitrobenzene-d5	7.22	82	484547	31.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	188594	38.48	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	984976	34.69	ng	0.00
79) Terphenyl-d14	12.75	244	904275	29.77	ng	0.00
Target Compounds						
49) Acenaphthylene	9.55	152	129256	3.082	ng	98
50) Dimethylphthalate	9.41	163	105952	3.129	ng	97
71) Phenanthrene	11.19	178	395507	10.326	ng	97
72) Anthracene	11.24	178	121830	3.134	ng	97
75) Fluoranthene	12.37	202	694682	17.535	ng	95
78) Pyrene	12.60	202	797020	15.147	ng	97
81) Benzo(a)anthracene	13.78	228	467573m	10.467	ng	
83) Chrysene	13.82	228	479588	10.691	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	202780	4.808	ng	95
88) Benzo(b)fluoranthene	14.79	252	557533m	15.948	ng	
89) Benzo(k)fluoranthene	14.81	252	173815m	5.729	ng	
90) Benzo(a)pyrene	15.12	252	363857	11.982	ng	96
91) Dibenzo(a,h)anthracene	16.49	278	53030	2.067	ng	# 76
92) Benzo(g,h,i)perylene	16.88	276	181776	7.110	ng	99

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

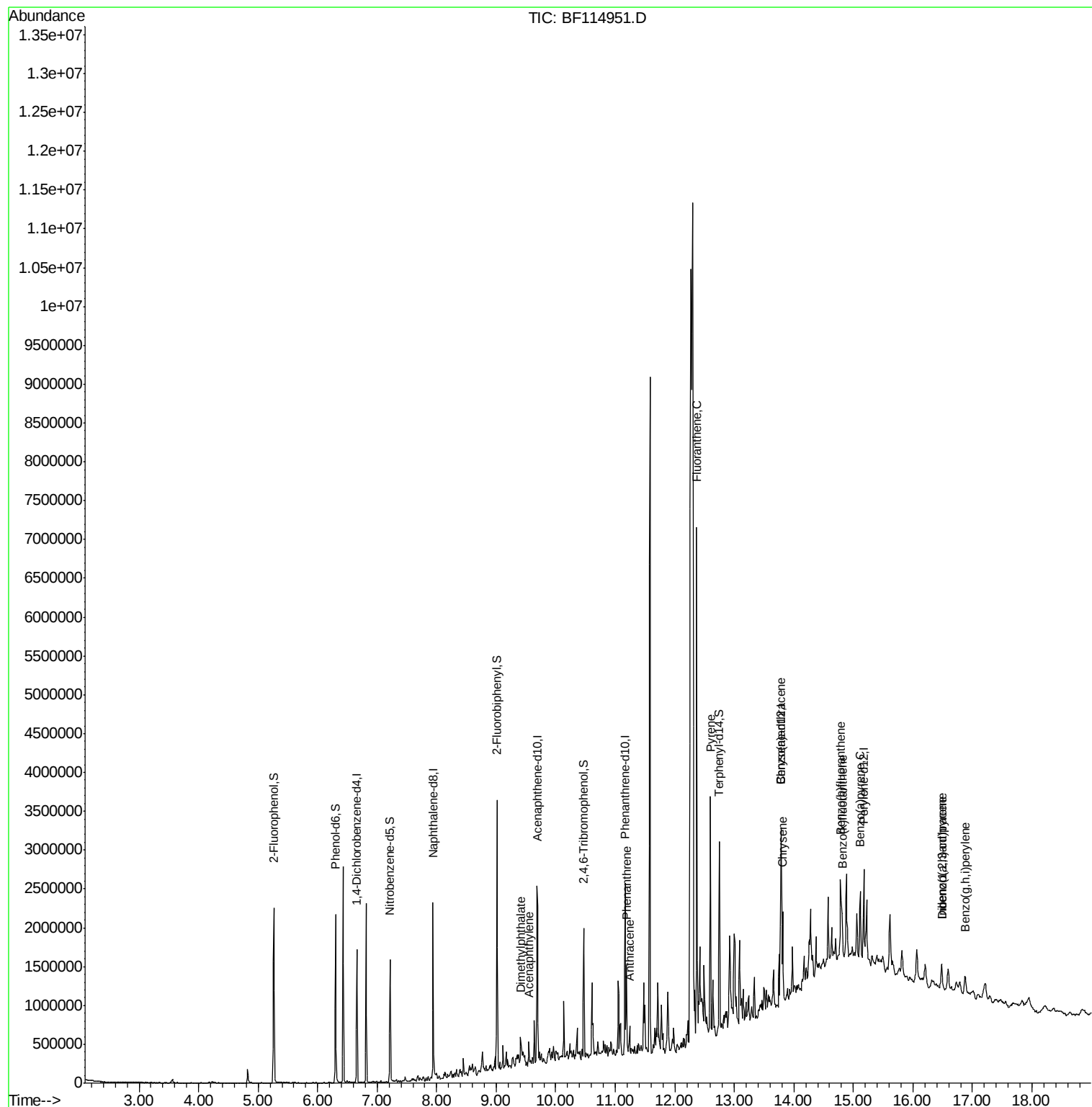
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
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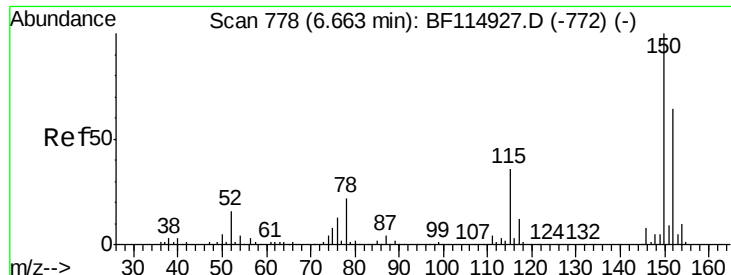
Instrument :
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SU-04-060719-B

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Quant Time: Jun 12 04:52:21 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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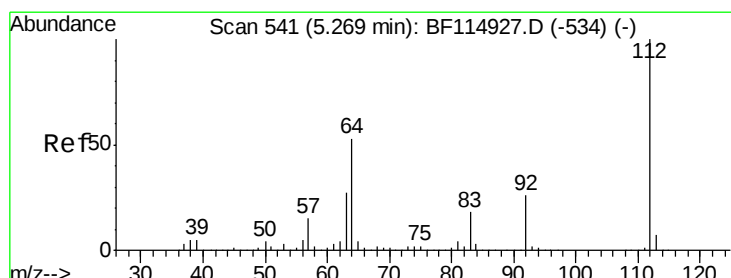
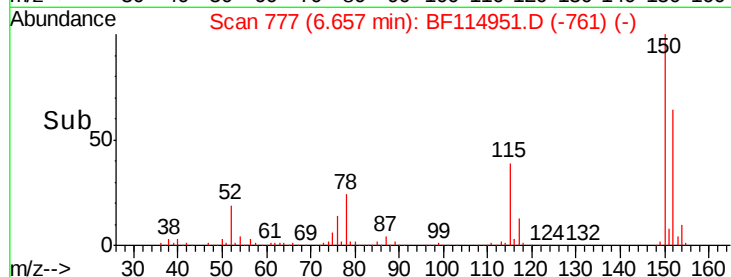
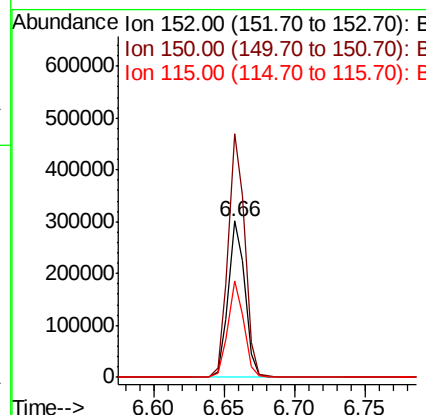
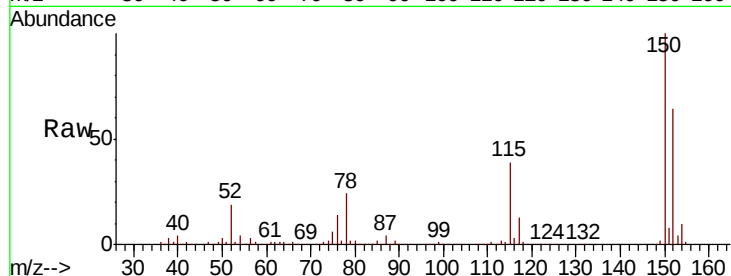
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.2	187.8
115	61.5	45.0	67.4

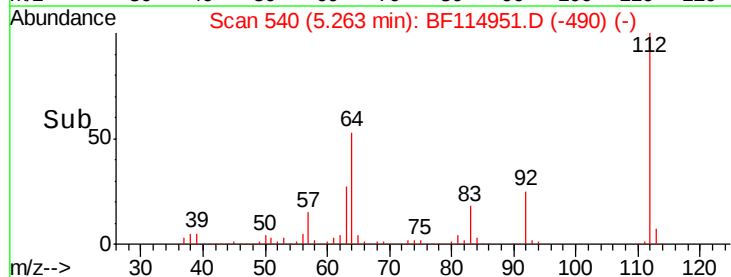
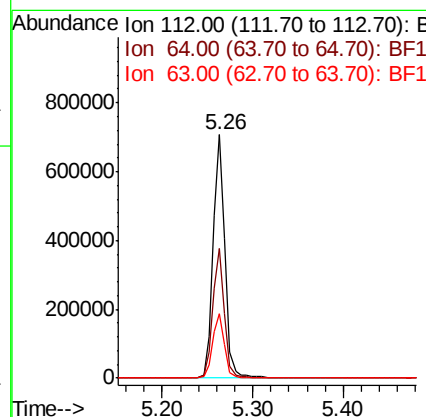
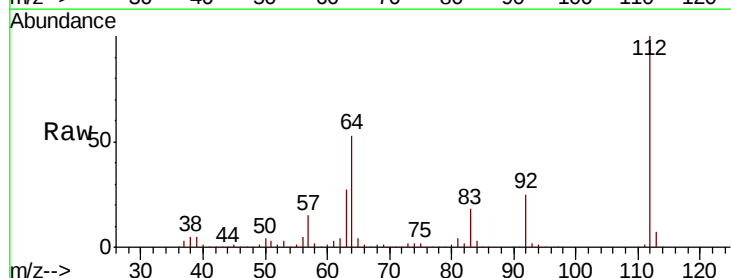
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#5
 2-Fluorophenol
 Concen: 44.788 ng
 RT: 5.26 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.1	63.1
63	26.7	21.8	32.8





#7

Phenol-d6

Concen: 46.544 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

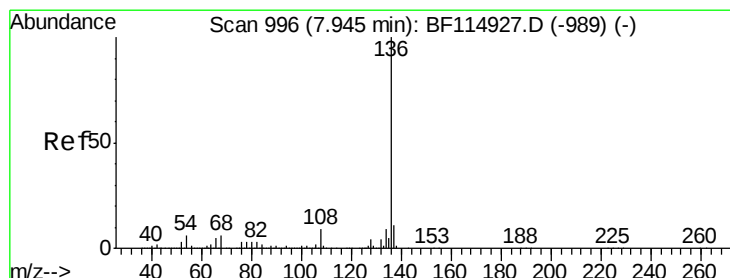
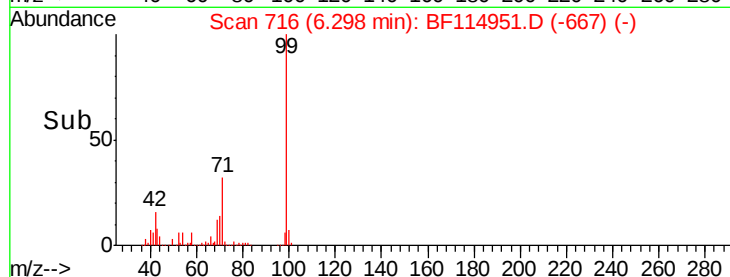
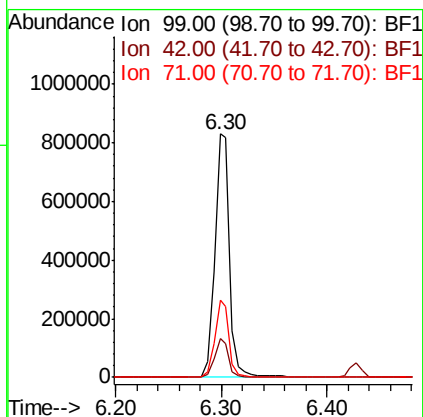
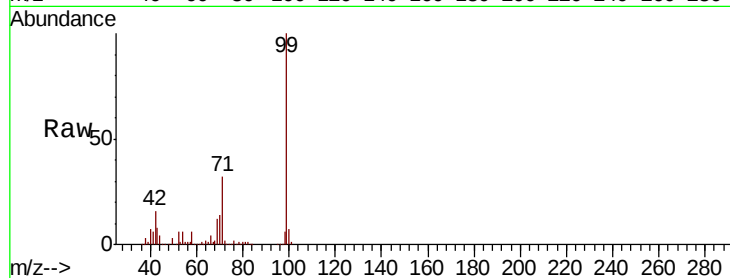
ClientSampleId :

SU-04-060719-B

Tot Ion:	99	Resp:	823589
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.1	19.7
71	31.6	26.8	40.2

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#21

Naphthalene-d8

Concen: 20.000 ng

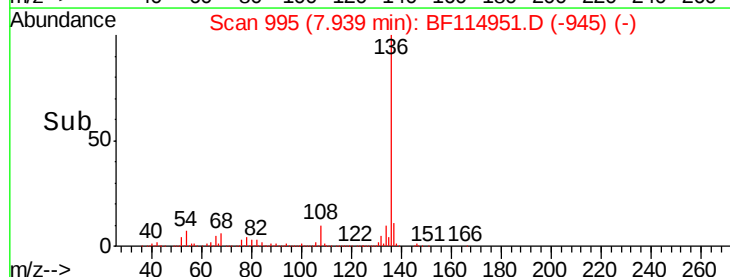
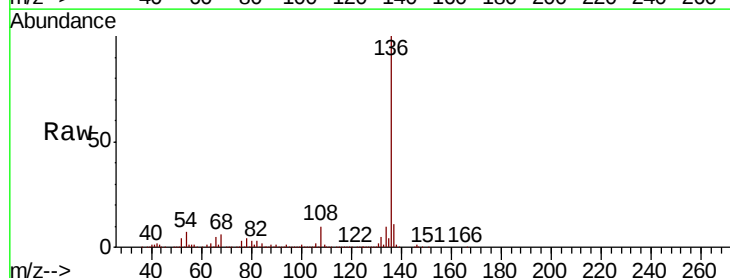
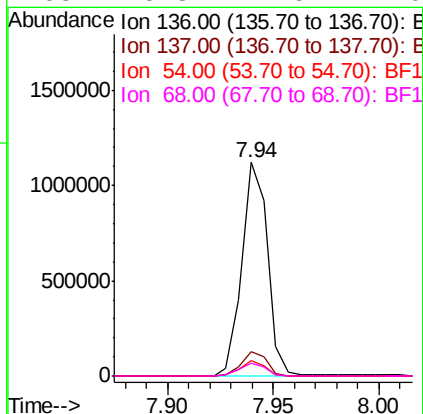
RT: 7.94 min Scan# 995

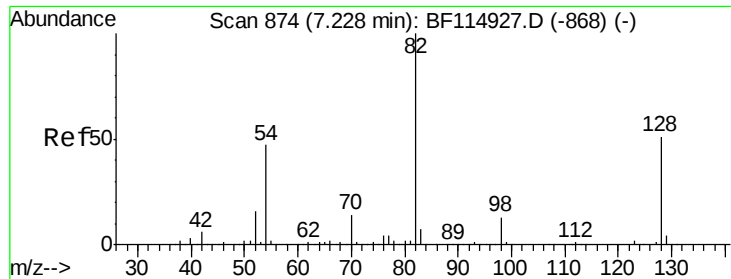
Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Tgt Ion:	136	Resp:	945906
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	7.0	5.2	7.8
68	6.3	4.6	7.0





#23

Nitrobenzene-d5

Concen: 31.474 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

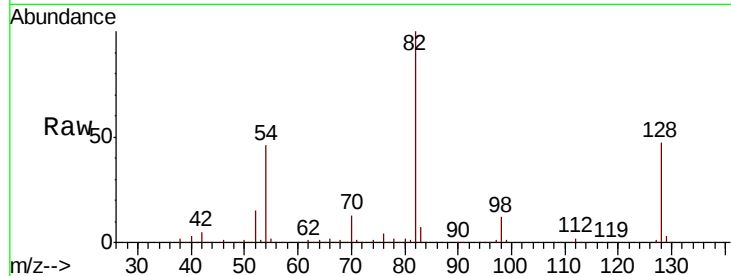
ClientSampled :

SU-04-060719-B

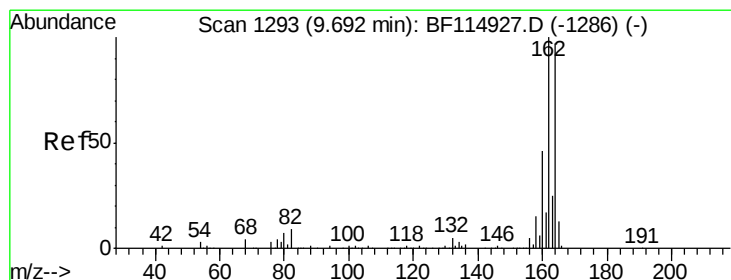
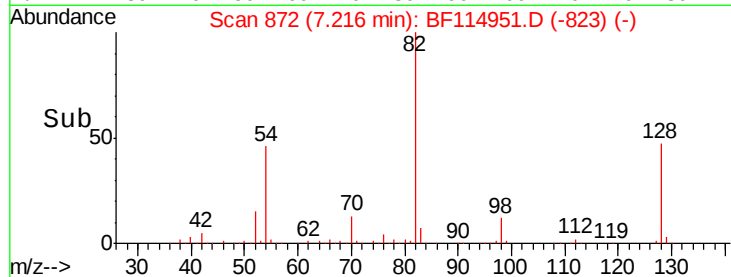
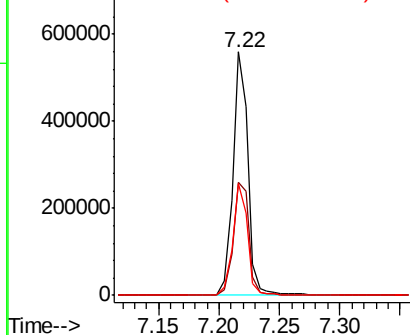
Tot Ion:	82	Resp:	484547
Ion Ratio	Lower	Upper	
82	100		
128	46.5	40.9	61.3
54	45.9	37.4	56.0

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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



#39

Acenaphthene-d10

Concen: 20.000 ng

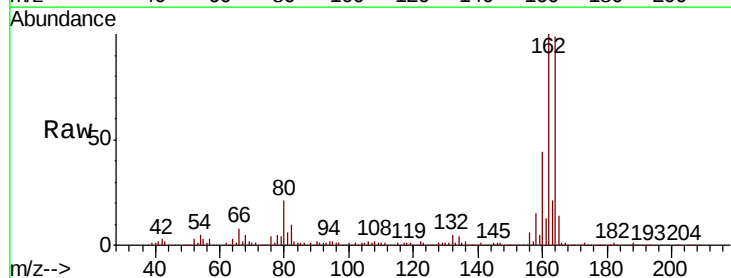
RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

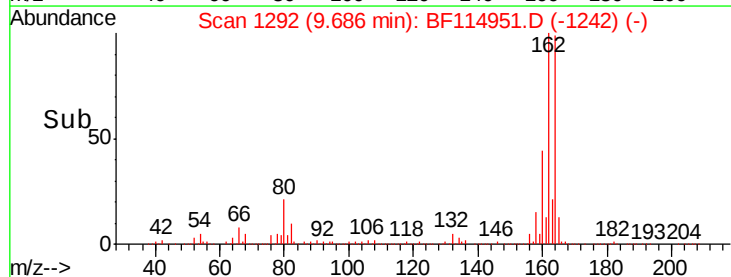
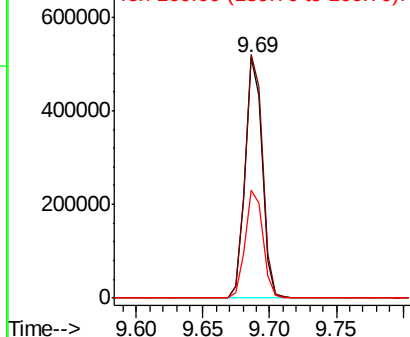
Lab File: BF114951.D

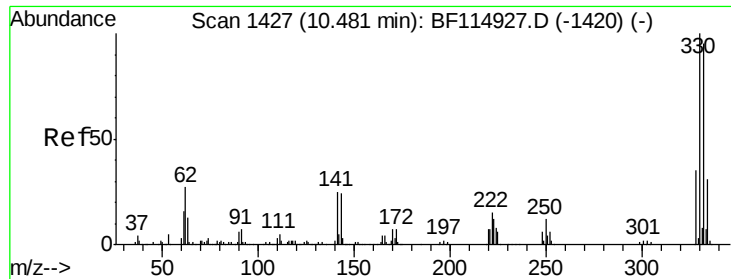
Acq: 11 Jun 2019 18:56

Tgt Ion:	164	Resp:	450578
Ion Ratio	Lower	Upper	
164	100		
162	101.0	82.4	123.6
160	44.8	37.5	56.3



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: 38.477 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

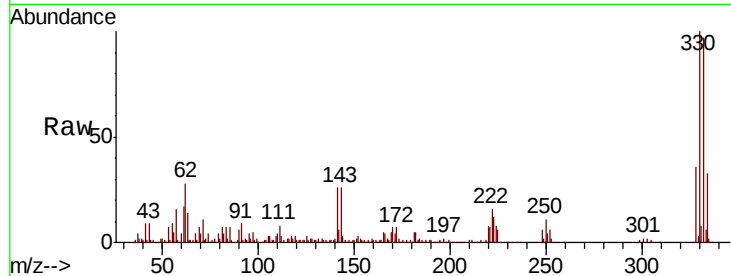
ClientSampleId :

SU-04-060719-B

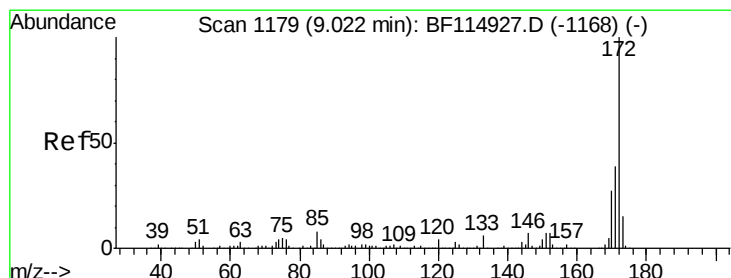
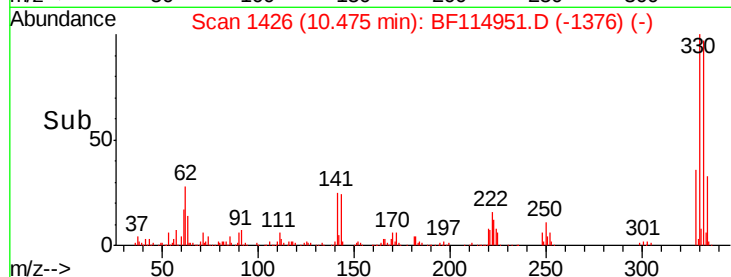
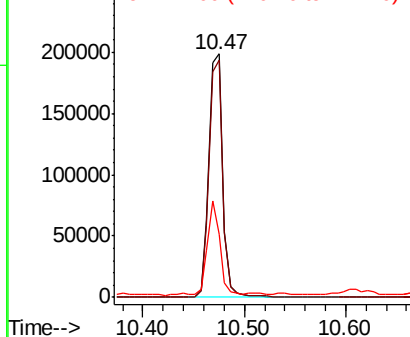
Tot Ion:	330	Resp:	188594
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.4	114.6
141	34.9	26.8	40.2

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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: 34.694 ng

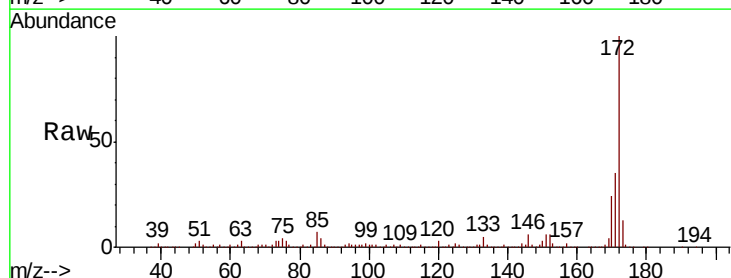
RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

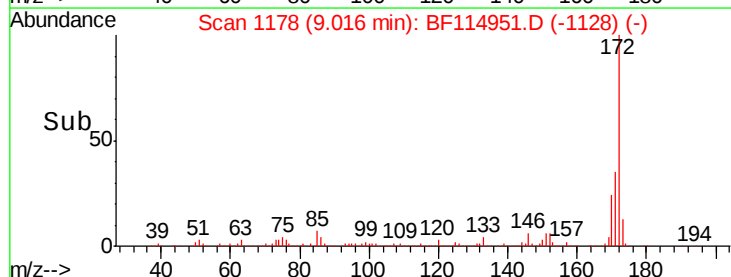
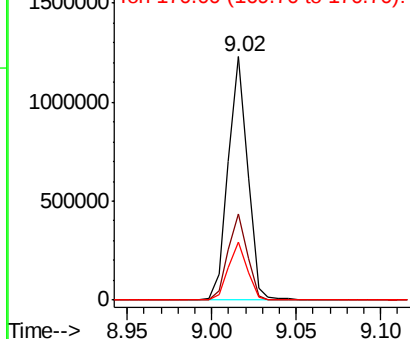
Lab File: BF114951.D

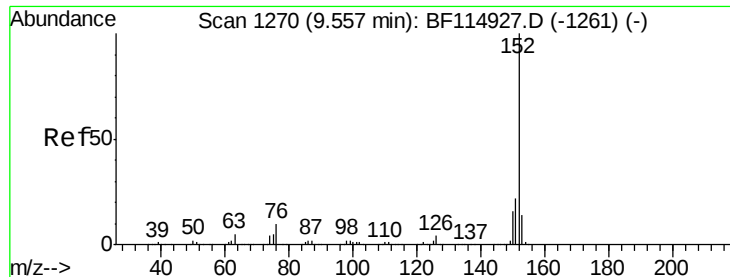
Acq: 11 Jun 2019 18:56

Tgt Ion:	172	Resp:	984976
Ion Ratio	Lower	Upper	
172	100		
171	35.5	31.3	46.9
170	24.0	21.4	32.0



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





#49

Acenaphthylene

Concen: 3.082 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

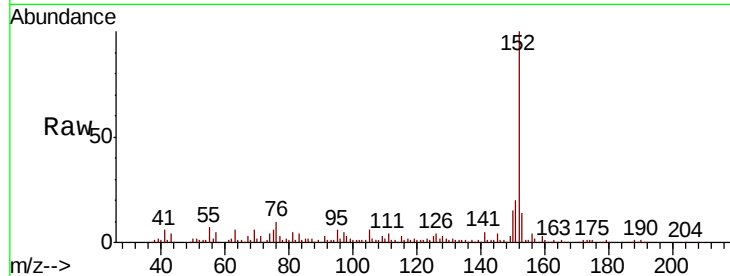
ClientSampleId :

SU-04-060719-B

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

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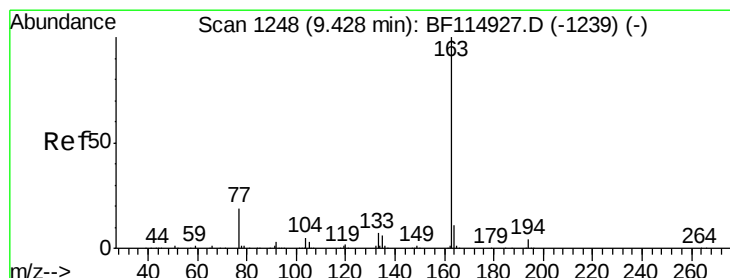
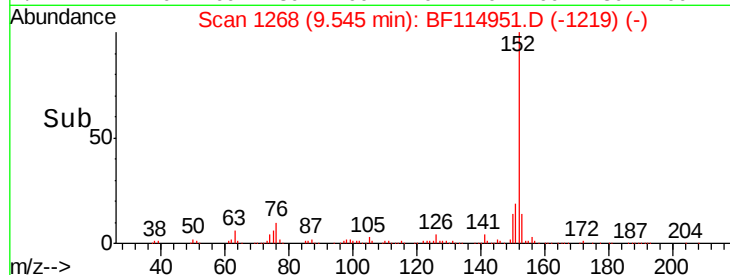
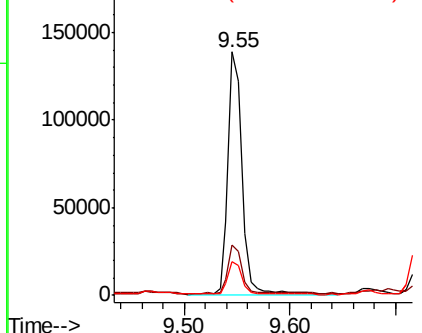


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.129 ng

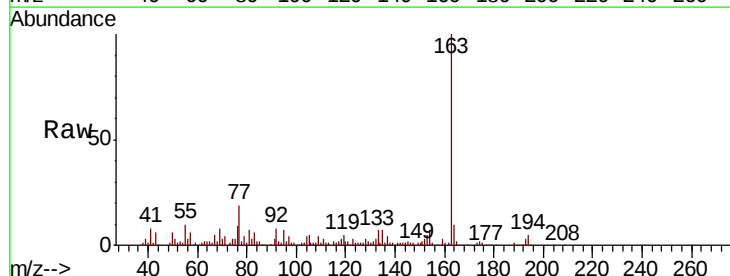
RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.0
164	9.7	8.7	13.1

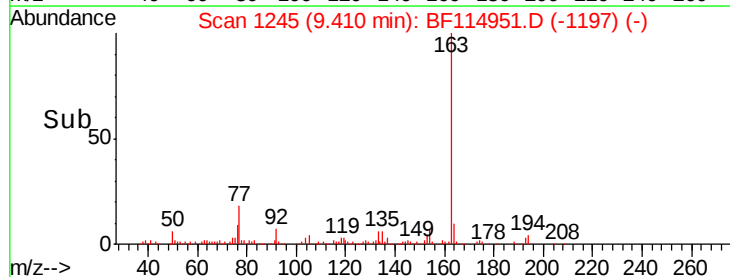
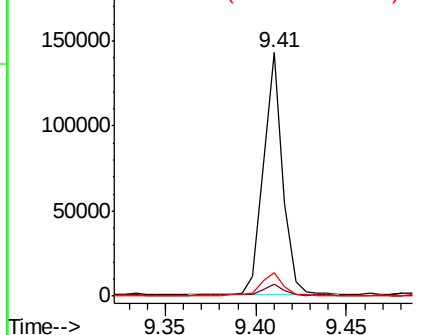


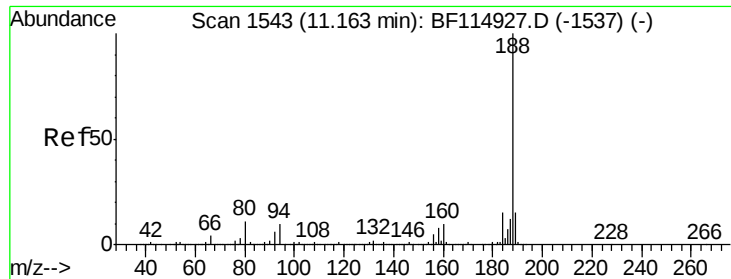
Abundance

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





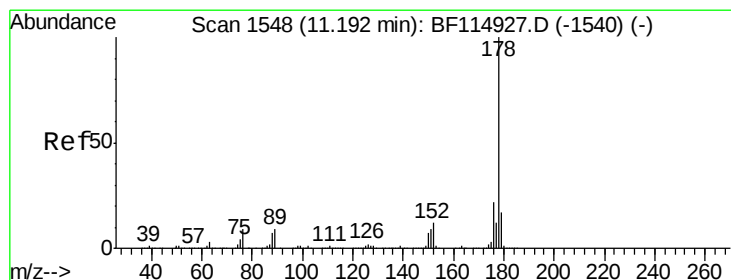
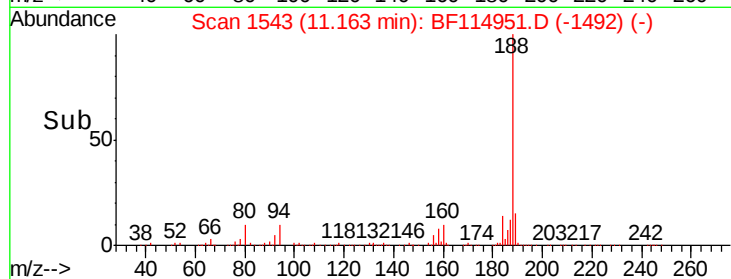
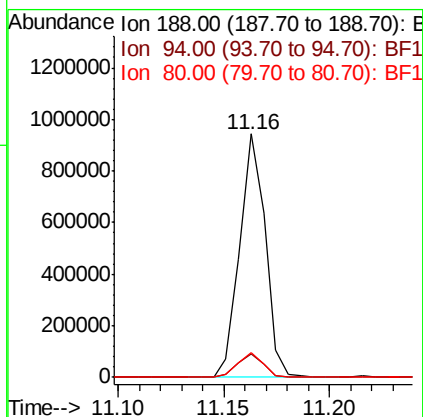
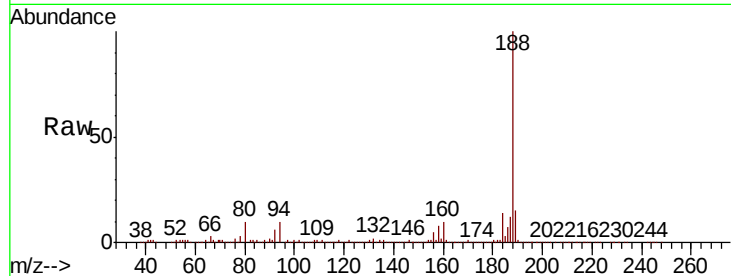
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.3	8.6	12.8

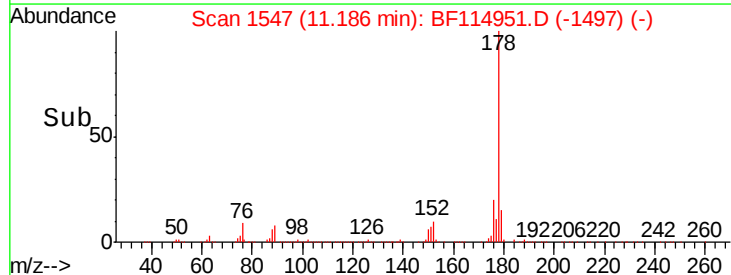
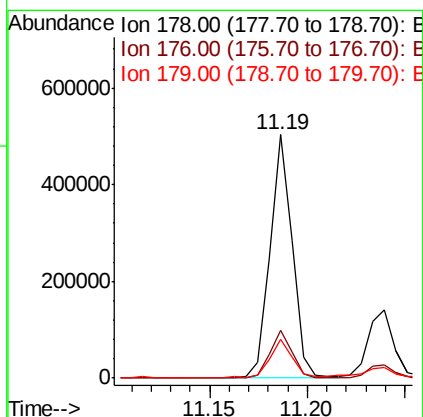
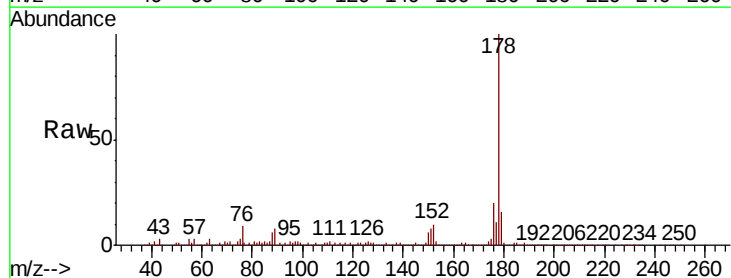
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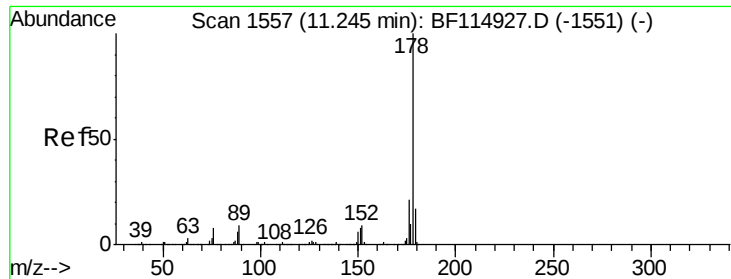
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#71
Phenanthrene
Concen: 10.326 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	17.4	26.2
179	16.0	13.6	20.4





#72

Anthracene

Concen: 3.134 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

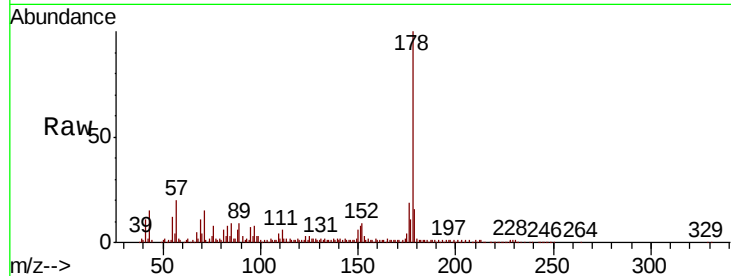
ClientSampleId :

SU-04-060719-B

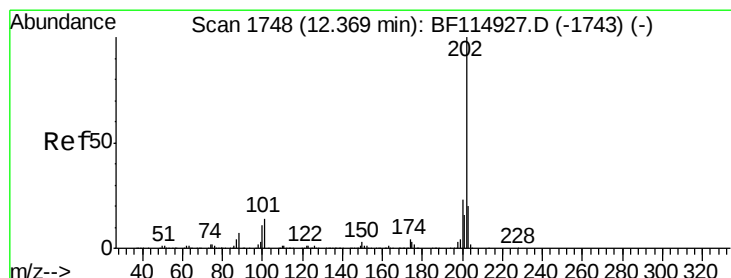
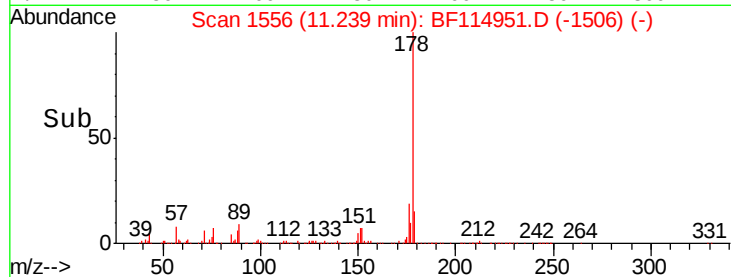
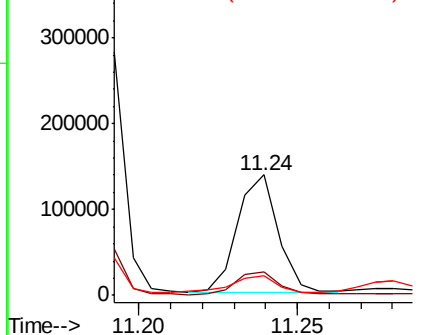
Tot Ion:	178	Resp:	121830
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.6	25.0
179	16.1	13.4	20.2

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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: 17.535 ng

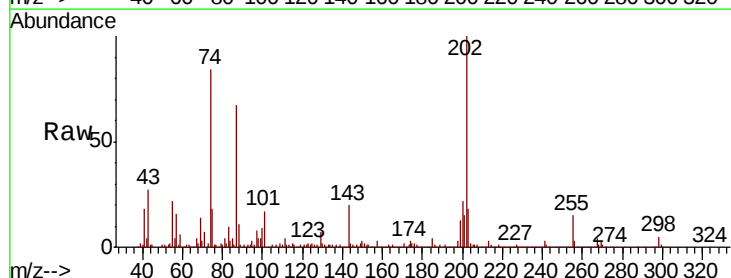
RT: 12.37 min Scan# 1749

Delta R.T. 0.01 min

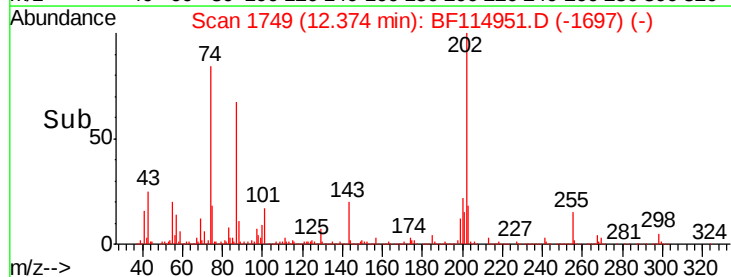
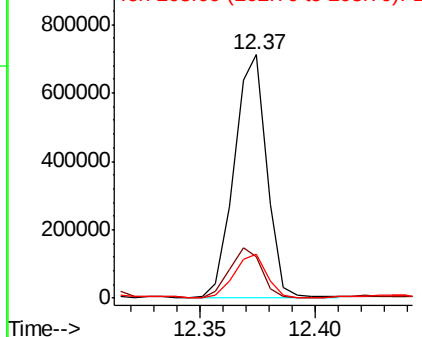
Lab File: BF114951.D

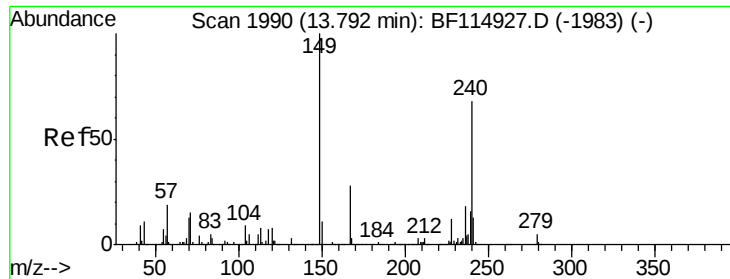
Acq: 11 Jun 2019 18:56

Tgt Ion:	202	Resp:	694682
Ion Ratio	Lower	Upper	
202	100		
101	16.8	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





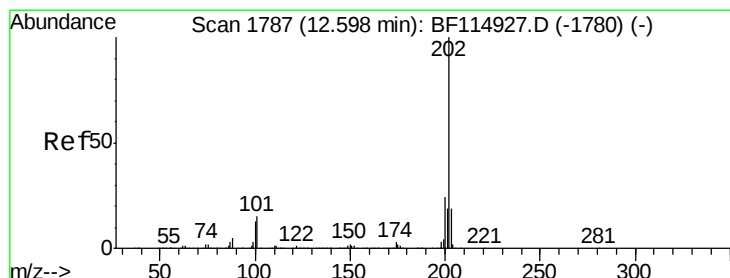
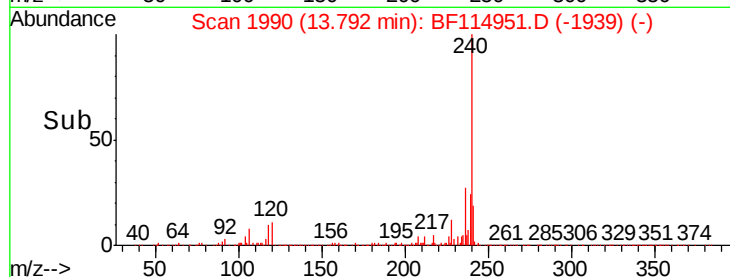
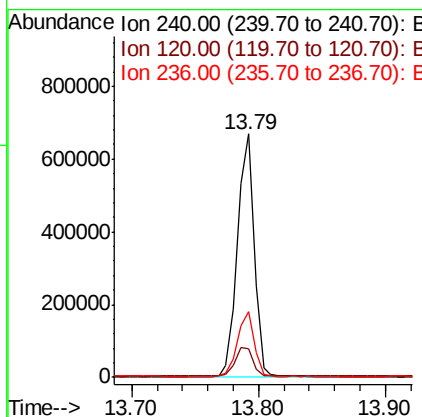
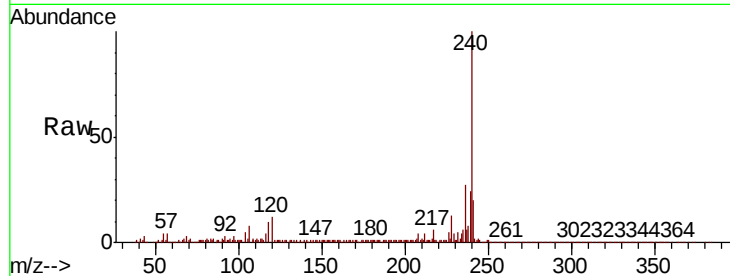
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.2	13.8
236	27.0	21.7	32.5

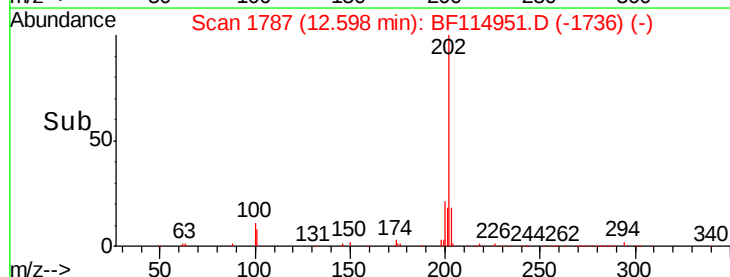
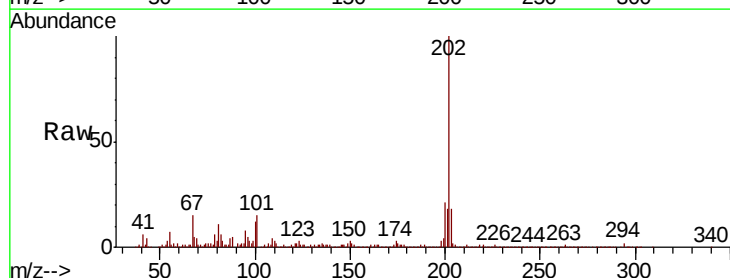
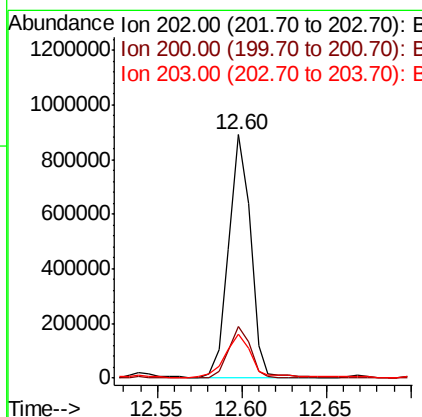
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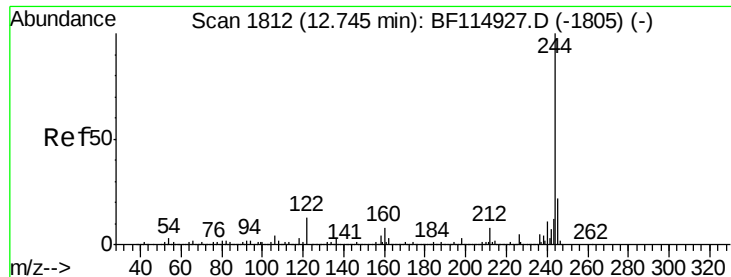
mohammad
6/12/2019 9:04:02 AM



#78
Pyrene
Concen: 15.147 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.9	28.3
203	18.0	15.2	22.8





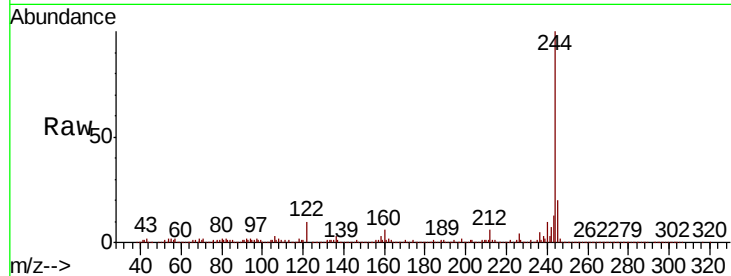
#79
 Terphenyl-d14
 Concen: 29.765 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.2	9.2
122	10.1	10.2	15.4

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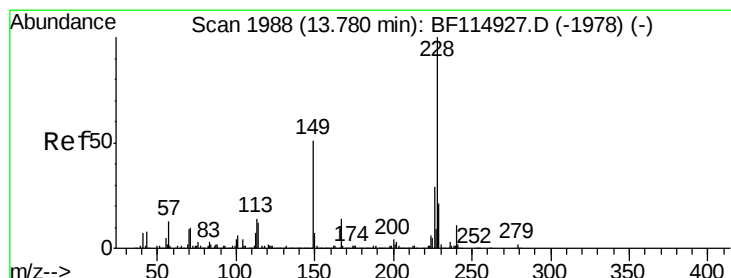
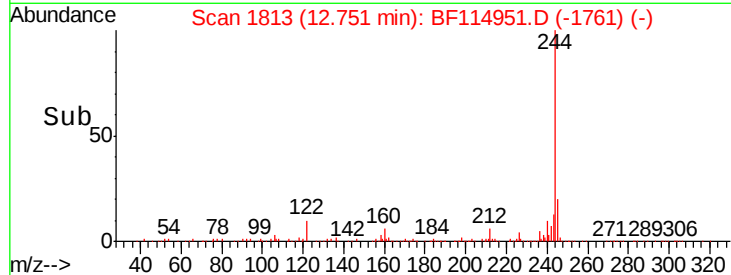
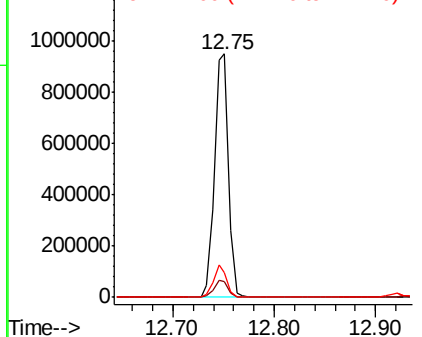


Abundance

Ion 244.00 (243.70 to 244.70): E

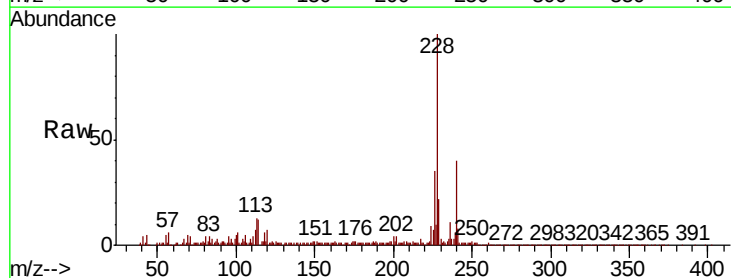
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 10.467 ng m
 RT: 13.78 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.2	22.8	34.2
229	21.8	16.6	25.0

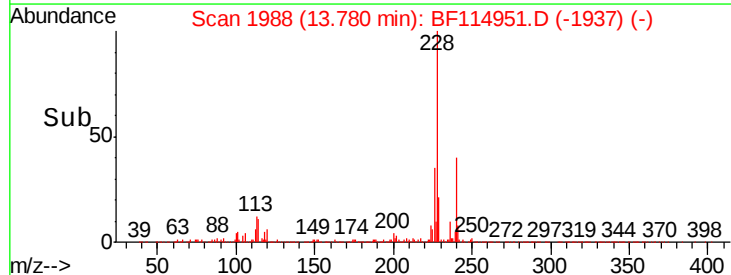
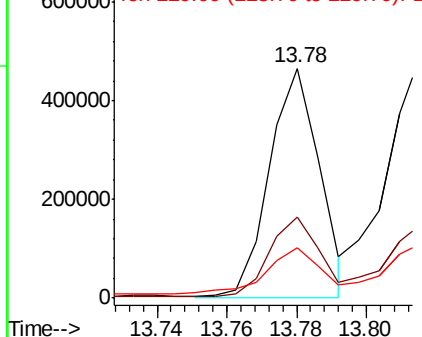


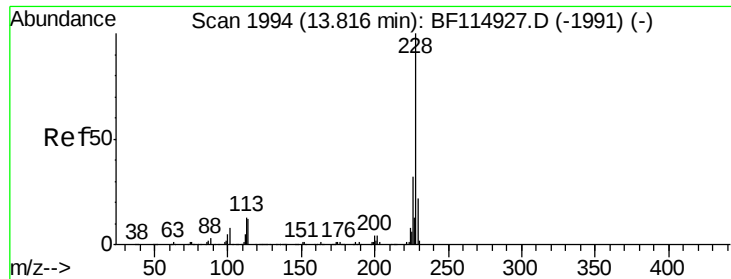
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





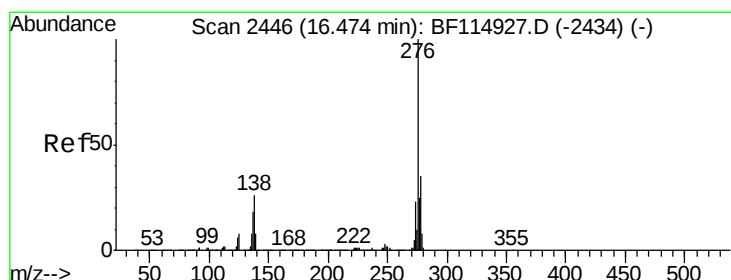
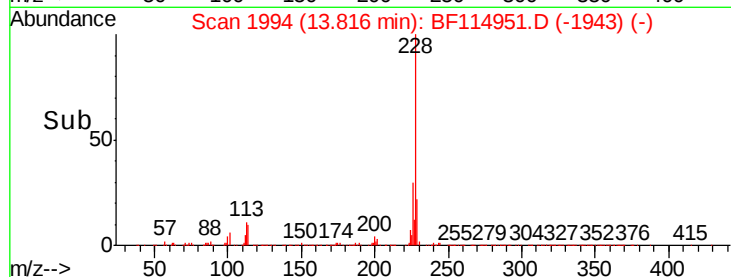
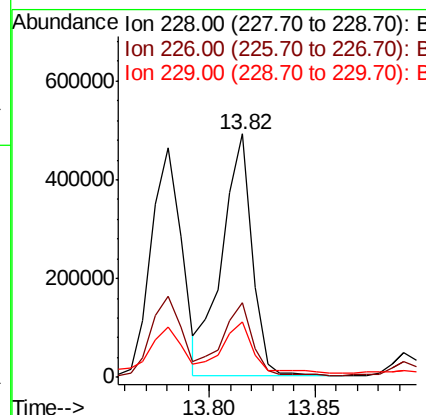
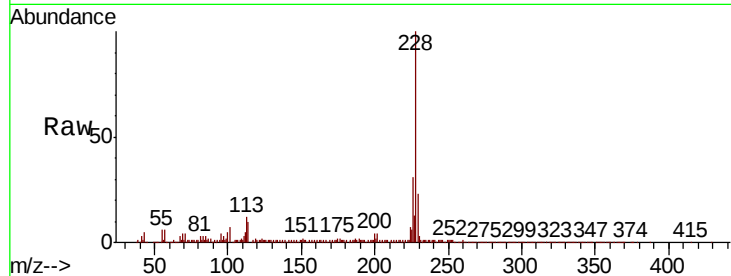
#83
Chrysene
Concen: 10.691 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.8	38.8
229	22.7	17.2	25.8

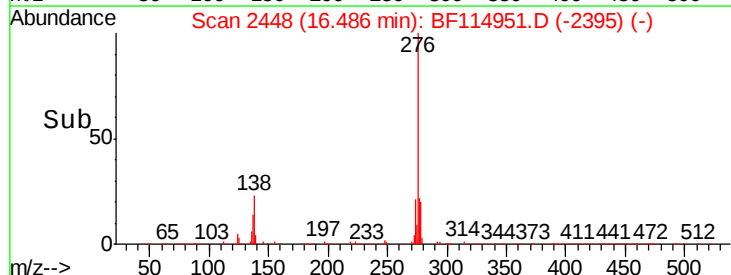
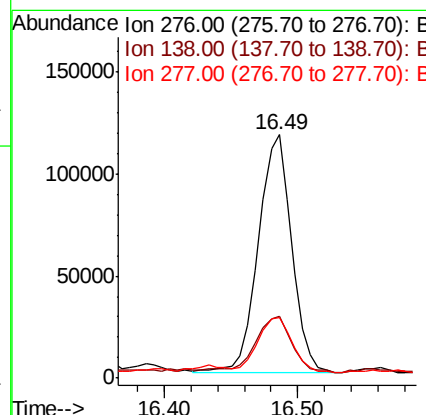
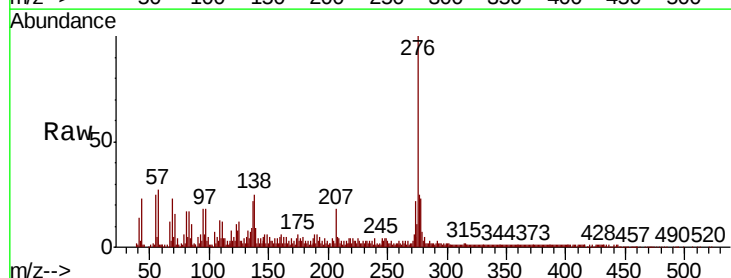
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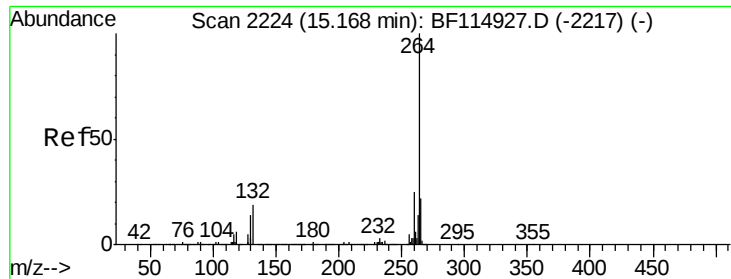
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.808 ng
RT: 16.49 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	23.3	34.9
277	23.9	20.5	30.7





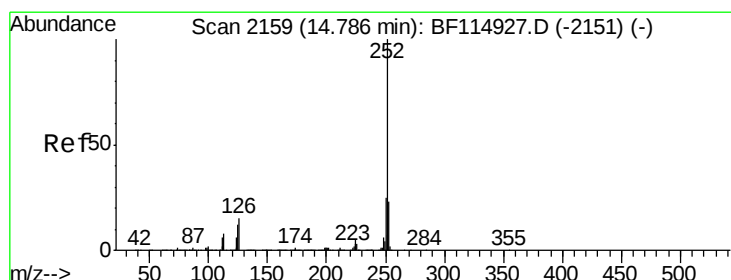
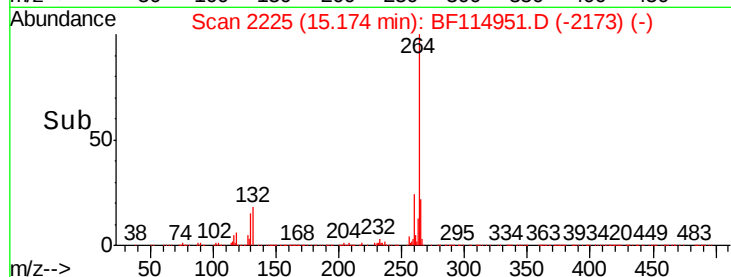
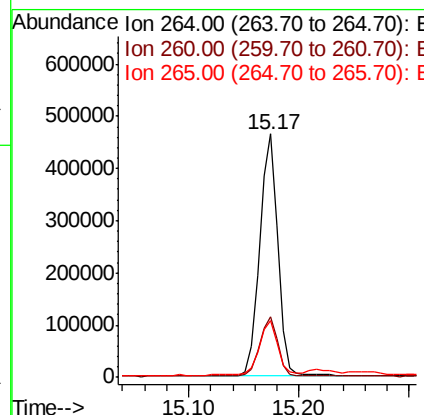
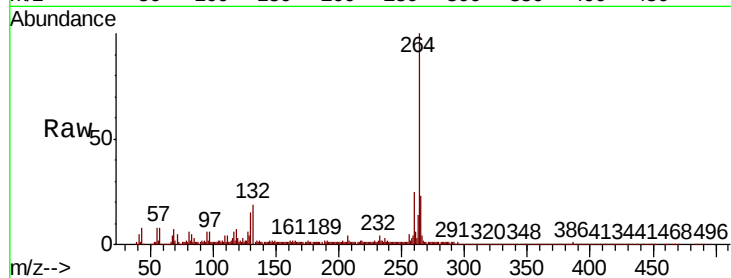
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.17 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	23.1	17.5	26.3

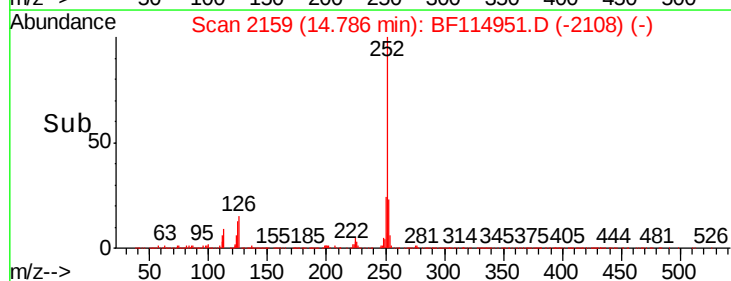
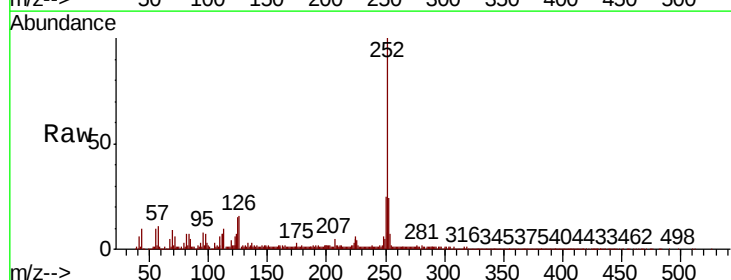
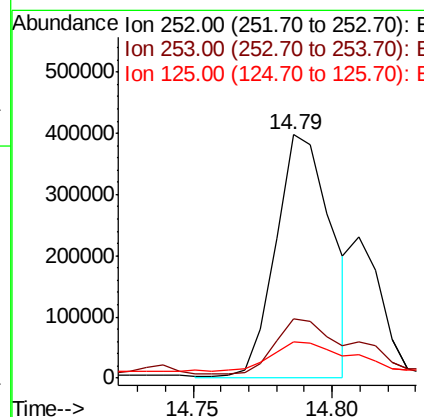
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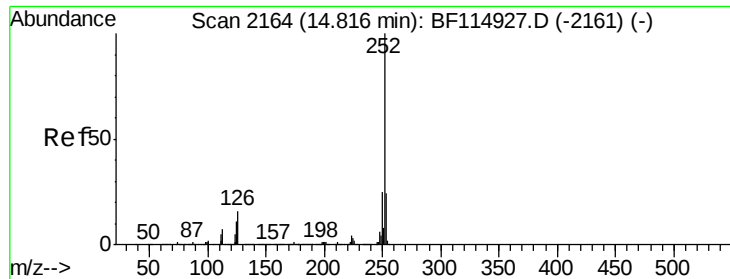
mohammad
 6/12/2019 9:04:02 AM



#88
 Benzo(b)fluoranthene
 Concen: 15.948 ng m
 RT: 14.79 min Scan# 2159
 Delta R.T. 0.00 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.6	28.0
125	15.1	9.5	14.3





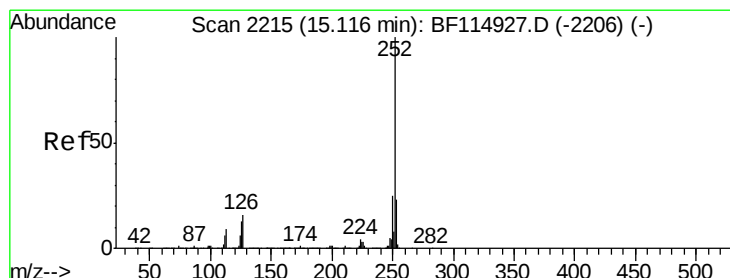
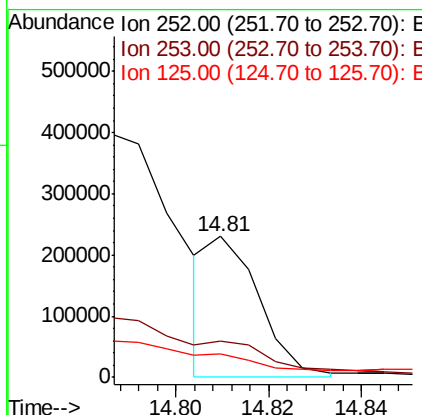
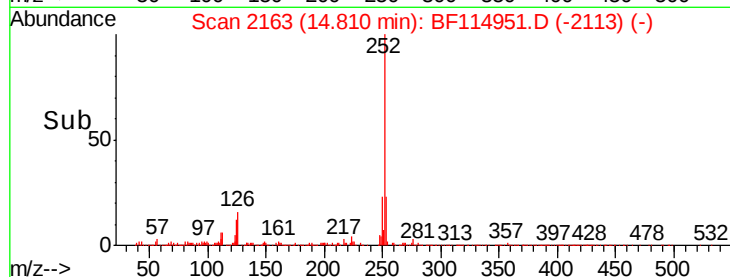
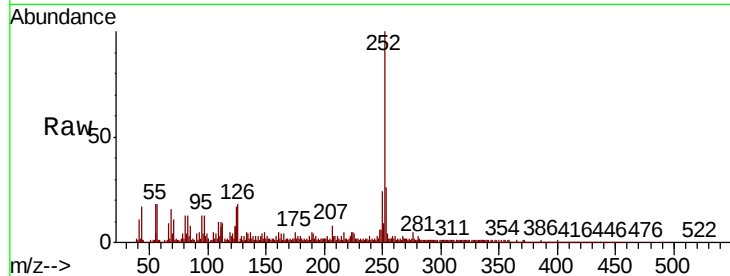
#89
Benzo(k)fluoranthene
Concen: 5.729 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.6	28.0
125	17.0	9.2	13.8

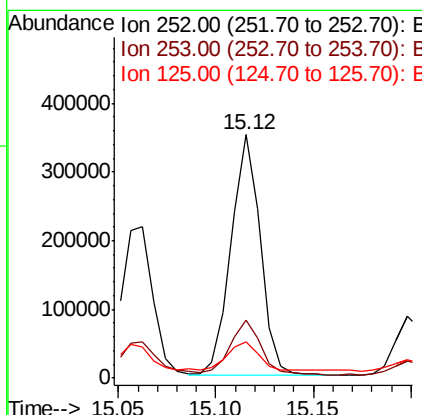
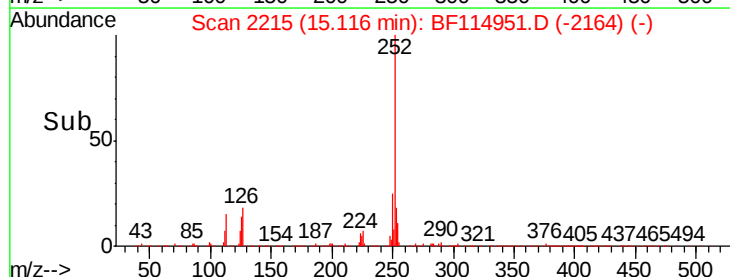
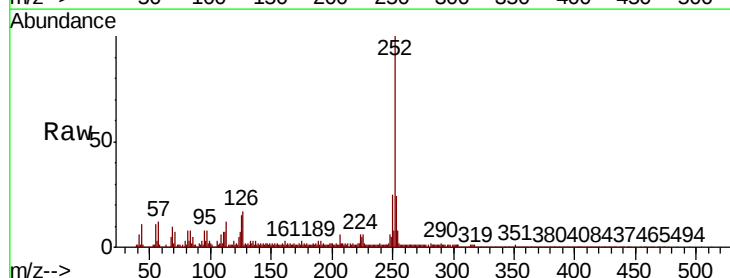
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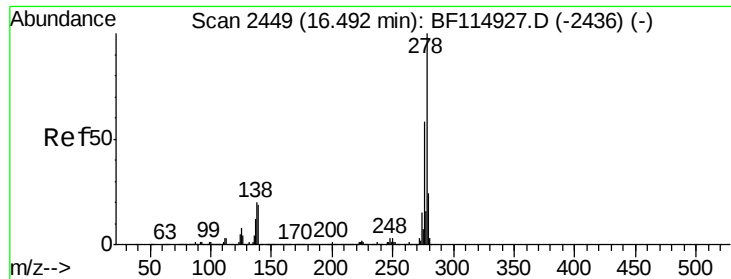
mohammad
6/12/2019 9:04:02 AM



#90
Benzo(a)pyrene
Concen: 11.982 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	14.8	10.1	15.1





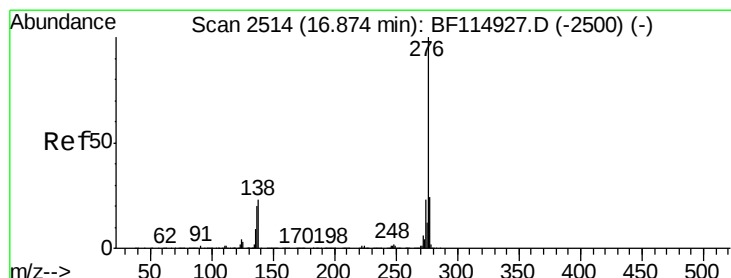
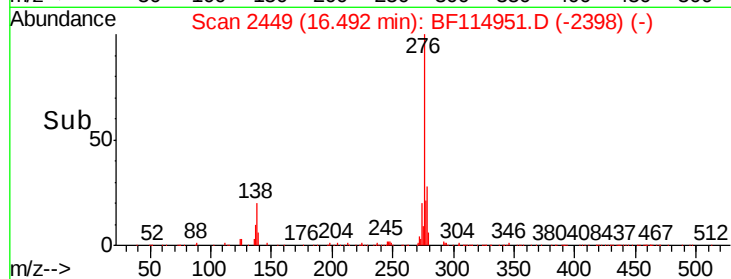
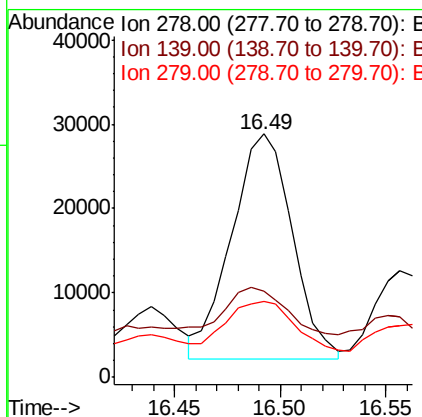
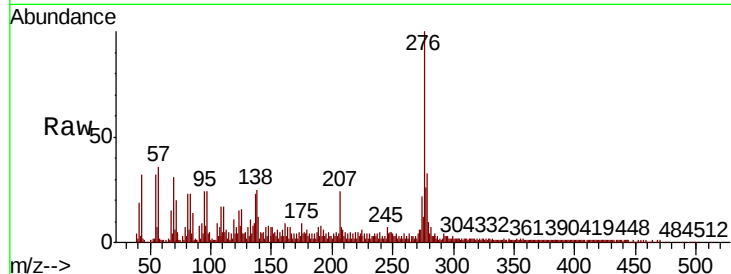
#91
Dibenzo(a,h)anthracene
Concen: 2.067 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.5	15.1	22.7#
279	31.3	19.6	29.4#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.110 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.6
138	24.4	18.7	28.1

