

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114371.D
 Acq On : 18 May 2019 1:36
 Operator : JU/SJ
 Sample : K2894-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-1

Manual Integrations
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mohammad
 5/21/2019 2:16:37 PM

Quant Time: May 18 06:30:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176288	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	680748	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	319578	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	655014	20.00	ng	0.00
76) Chrysene-d12	14.01	240	496915	20.00	ng	-0.01
87) Perylene-d12	15.49	264	466704	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1052712	96.10	ng	0.00
7) Phenol-d6	6.49	99	1390057	107.29	ng	0.00
23) Nitrobenzene-d5	7.40	82	837676	69.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	341416	103.34	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1370687	64.88	ng	-0.01
79) Terphenyl-d14	12.95	244	1441172	59.79	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.59	163	272711	11.624	ng	99
71) Phenanthrene	11.39	178	134752	4.229	ng	97
75) Fluoranthene	12.58	202	247938	7.225	ng	96
78) Pyrene	12.81	202	226024	5.654	ng	98
81) Benzo(a)anthracene	14.00	228	133327	4.148	ng	97
83) Chrysene	14.04	228	134745	4.277	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	58971	2.118	ng	99
88) Benzo(b)fluoranthene	15.06	252	175617m	5.874	ng	
90) Benzo(a)pyrene	15.42	252	103545	3.935	ng	# 96
92) Benzo(g,h,i)perylene	17.42	276	56759	2.590	ng	97

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

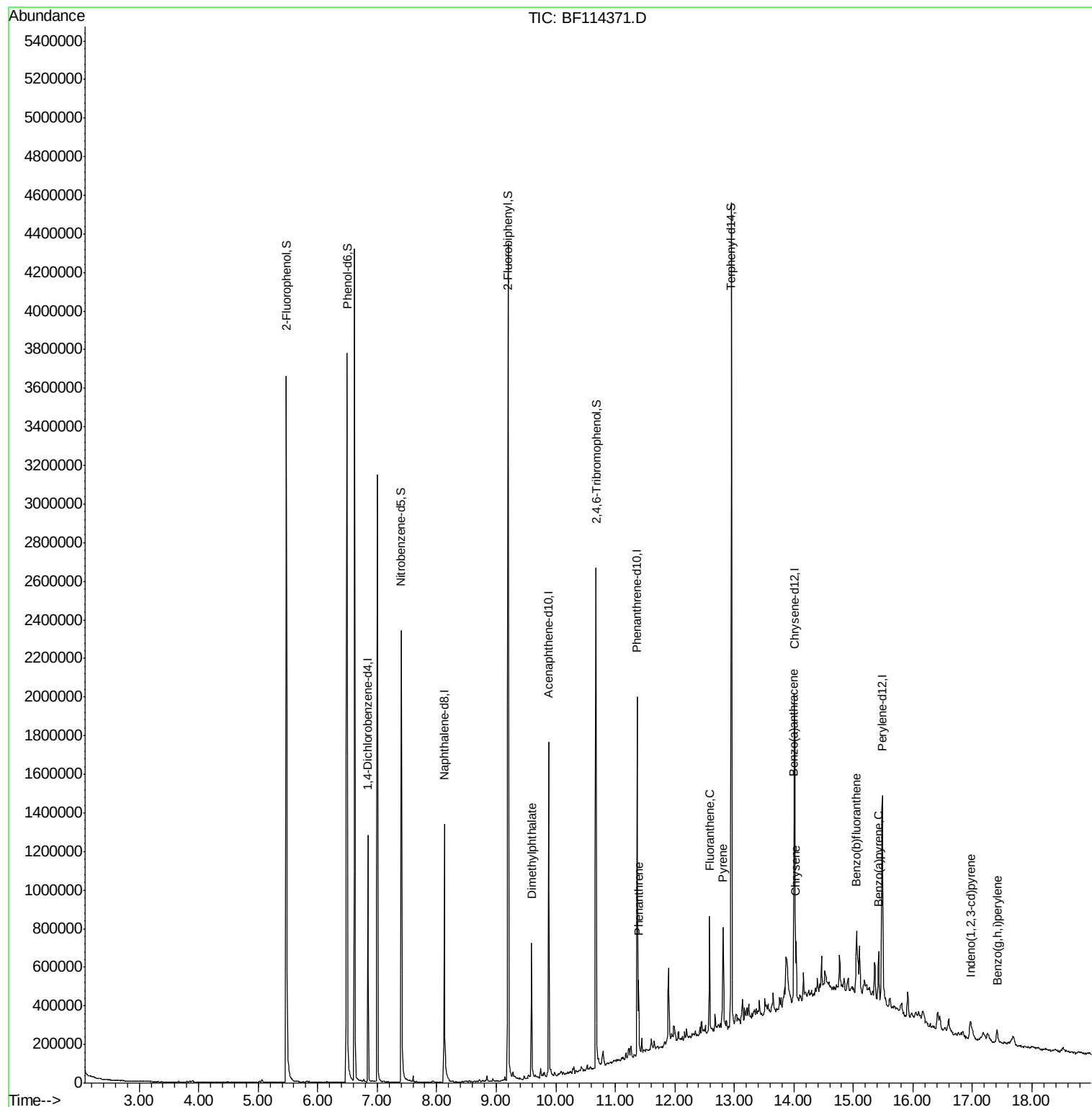
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114371.D
Acq On : 18 May 2019 1:36
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Sample : K2894-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

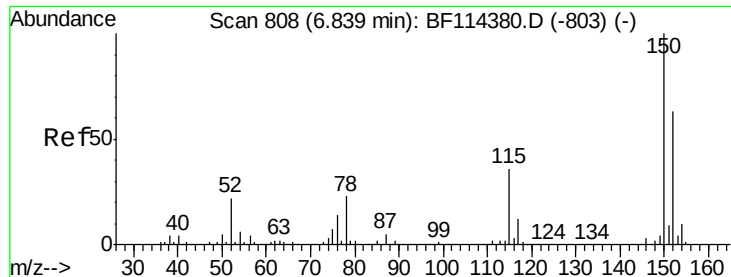
Instrument :
BNA_F
ClientSampleId :
SB-03-0-1

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#1

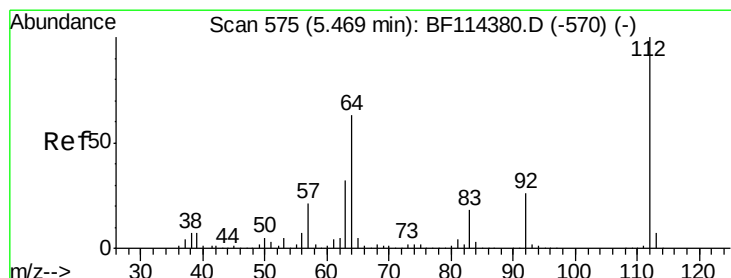
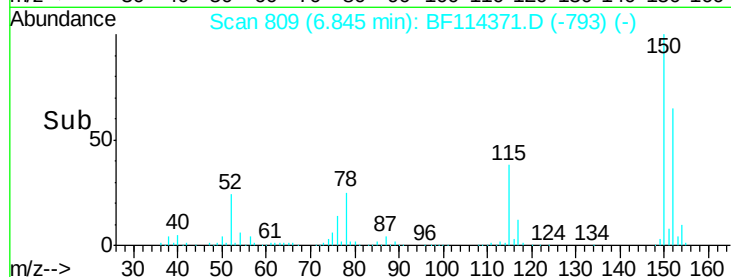
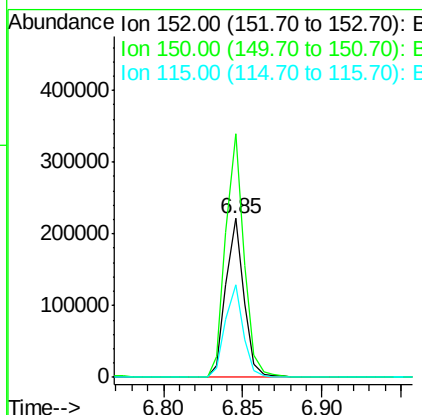
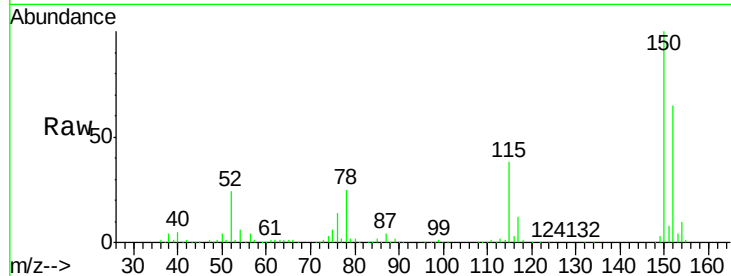
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampleId :
SB-03-0-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	58.1	49.1	73.7

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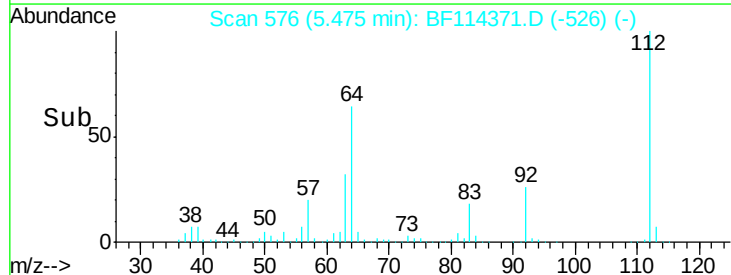
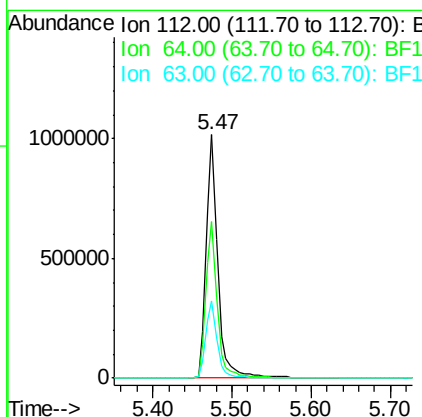
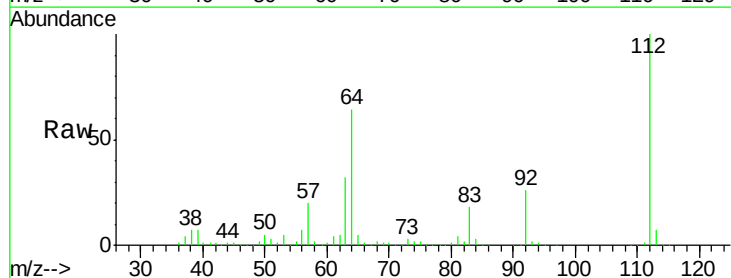
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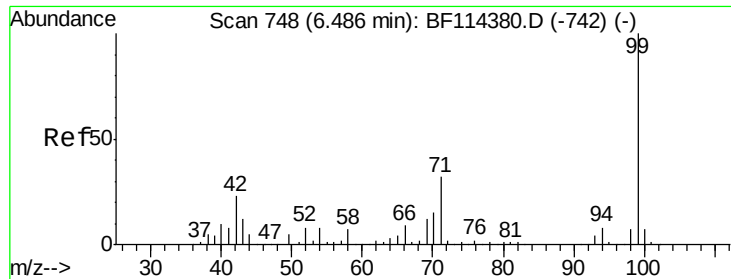


#5

2-Fluorophenol
Concen: 96.098 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	49.0	73.6
63	31.9	24.6	37.0





#7

Phenol-d6

Concen: 107.288 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampleId :

SB-03-0-1

Tgt Ion: 99 Resp: 1390057

Ion Ratio Lower Upper

99 100

42 20.8 17.9 26.9

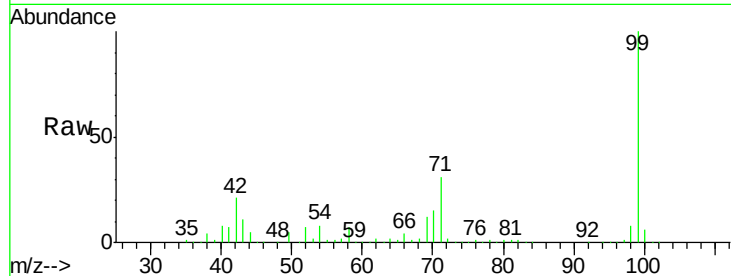
71 31.2 26.2 39.2

Manual Integrations

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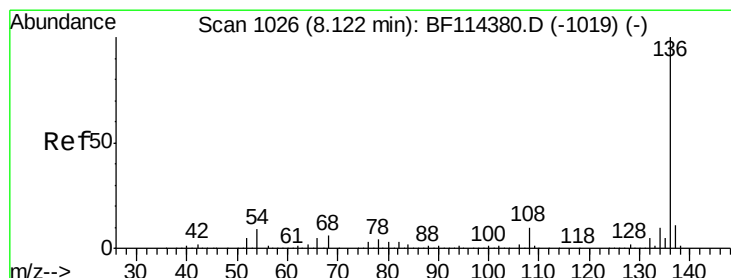
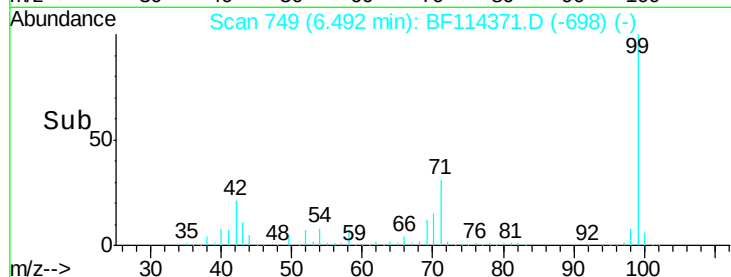
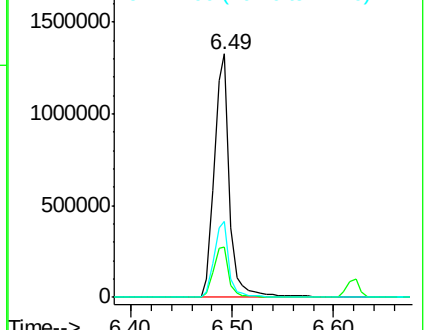
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Tgt Ion: 136 Resp: 680748

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.8 7.8 11.8

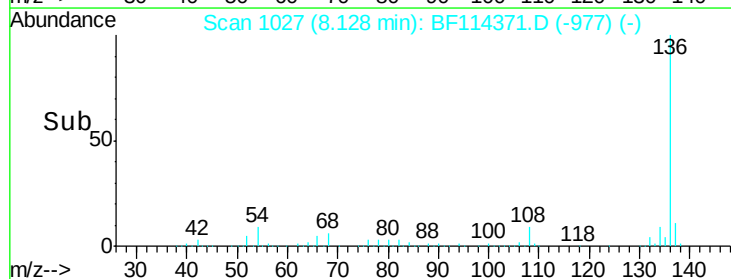
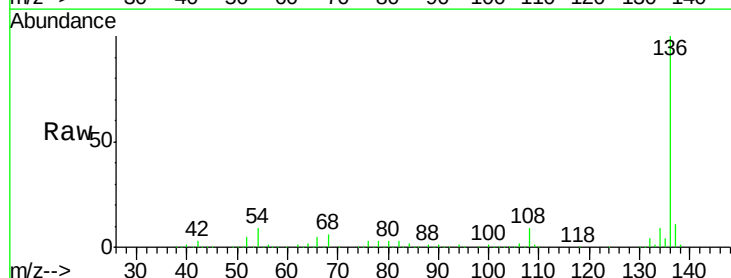
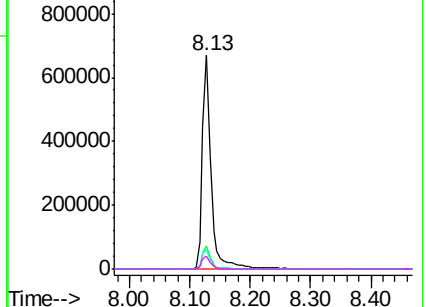
68 6.1 5.1 7.7

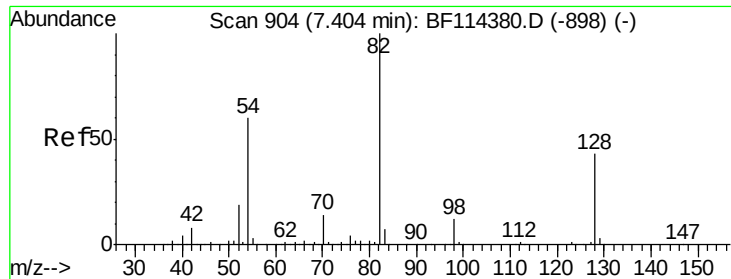
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





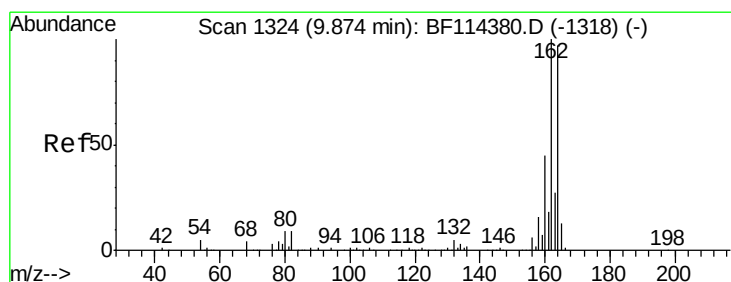
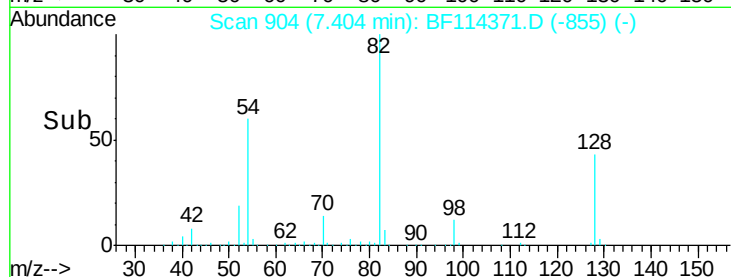
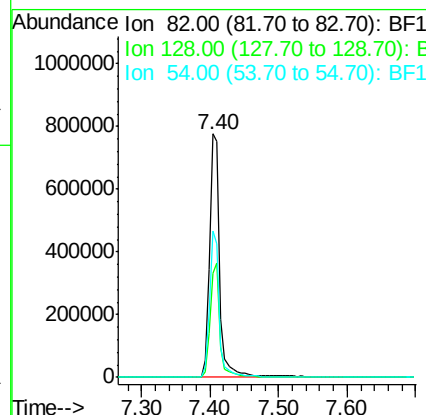
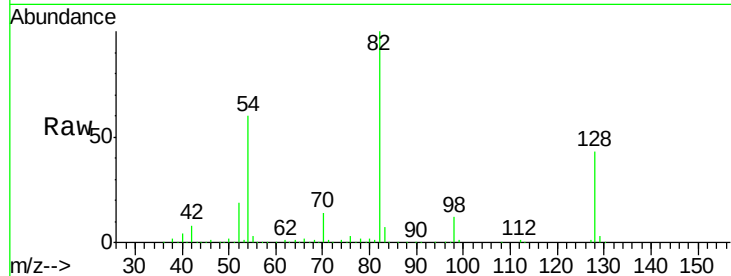
#23
Nitrobenzene-d5
Concen: 69.057 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampled :
SB-03-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	837676		
128	42.7	35.5	53.3	
54	60.0	48.5	72.7	

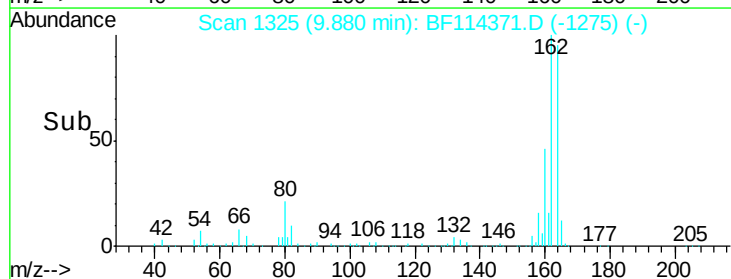
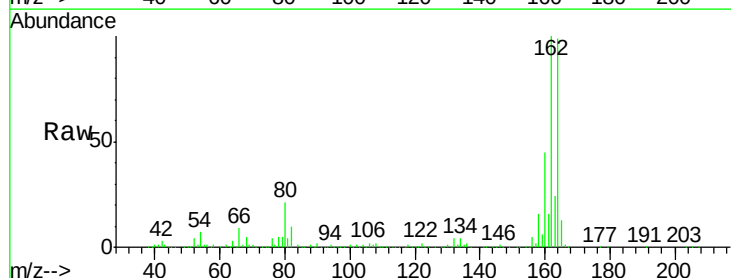
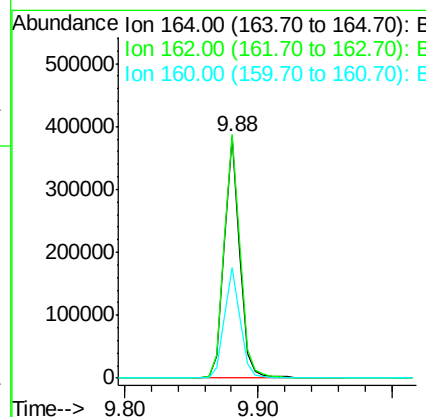
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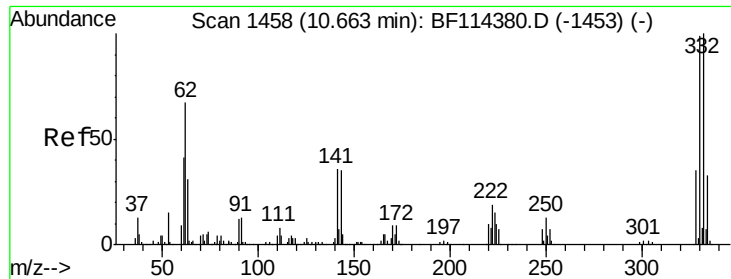
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	319578		
162	100.9	80.6	120.8	
160	45.8	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 103.337 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

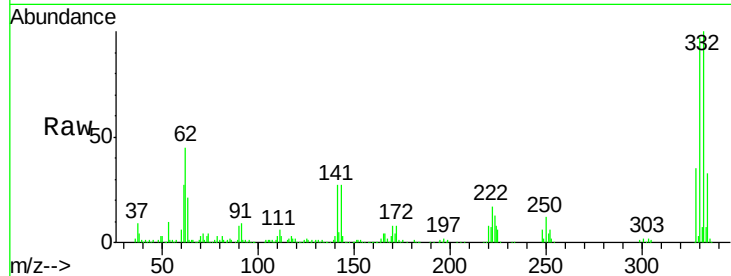
ClientSampled :

SB-03-0-1

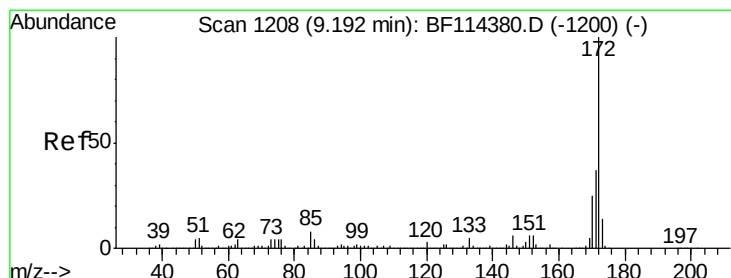
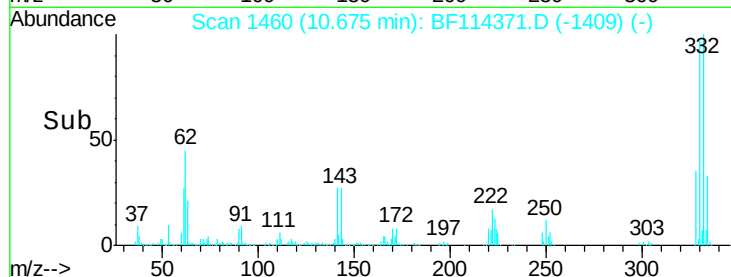
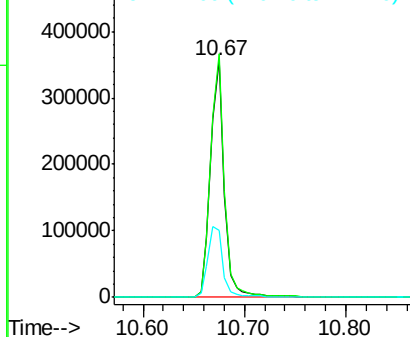
Tgt Ion:	330	Resp:	341416
Ion Ratio	Lower	Upper	
330	100		
332	102.3	81.4	122.2
141	32.8	26.6	40.0

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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: 64.879 ng

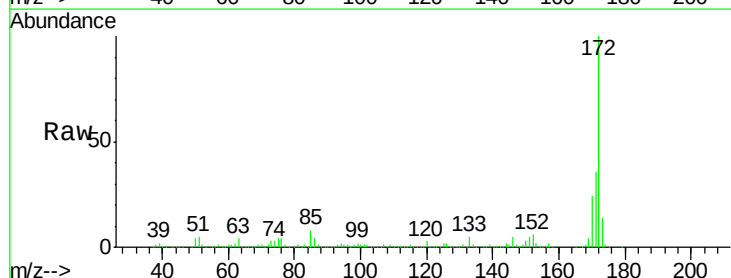
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

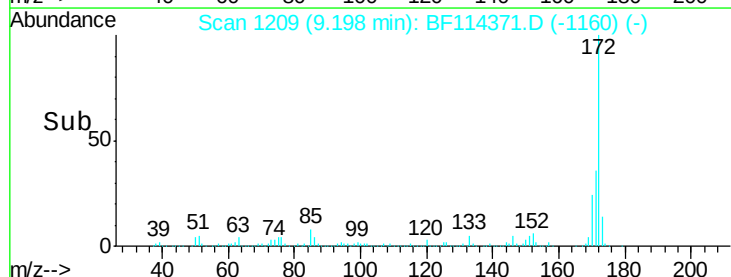
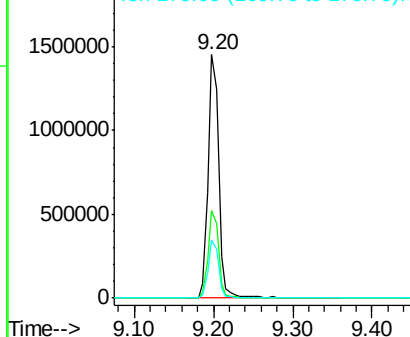
Lab File: BF114371.D

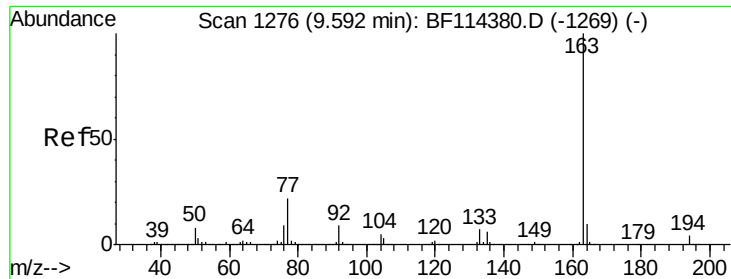
Acq: 18 May 2019 1:36

Tgt Ion:	172	Resp:	1370687
Ion Ratio	Lower	Upper	
172	100		
171	35.8	30.7	46.1
170	23.9	20.5	30.7



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





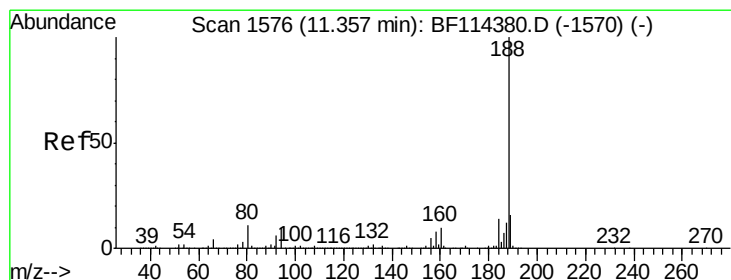
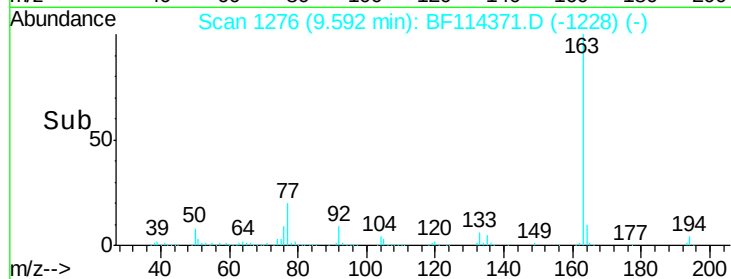
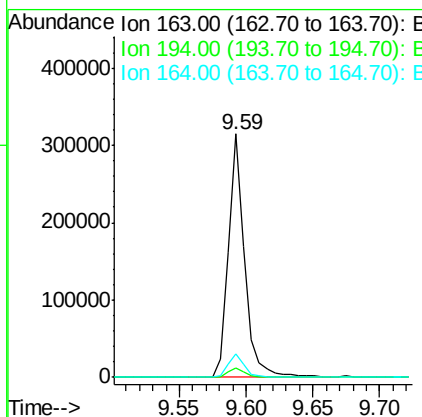
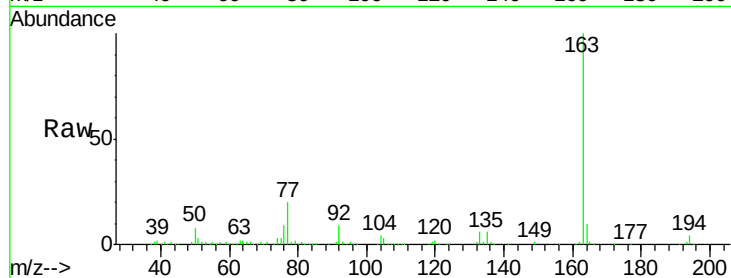
#50
Dimethylphthalate
Concen: 11.624 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampleId :
SB-03-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	272711		
194	3.8		3.4	5.0
164	9.8		8.2	12.2

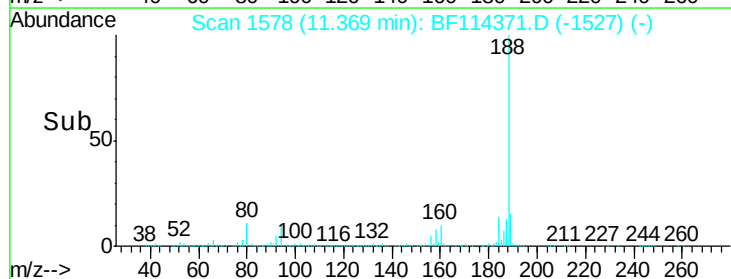
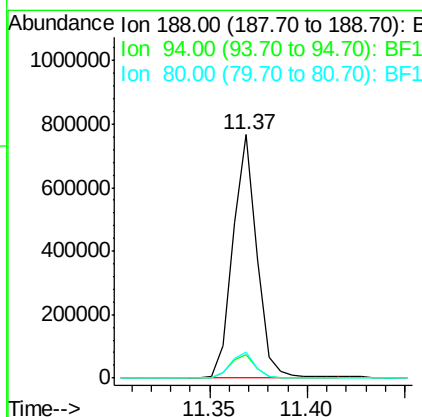
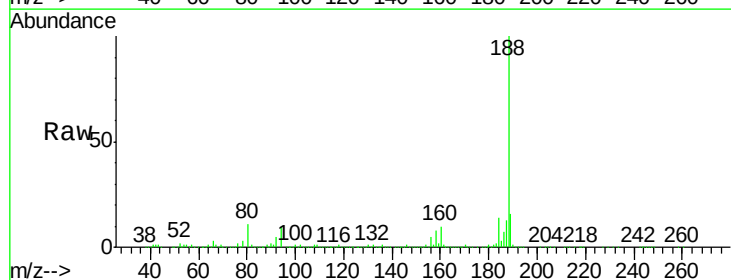
Manual Integrations
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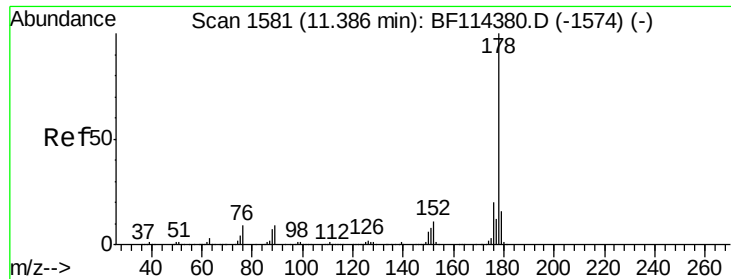
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	655014		
94	9.6		8.4	12.6
80	10.9		9.2	13.8





#71

Phenanthrene

Concen: 4.229 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

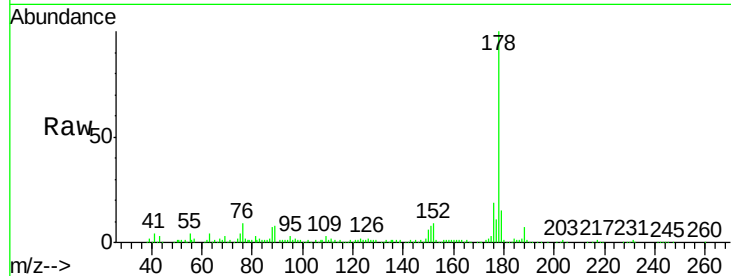
ClientSampleId :

SB-03-0-1

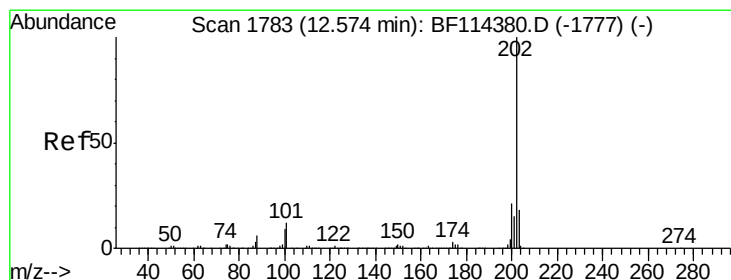
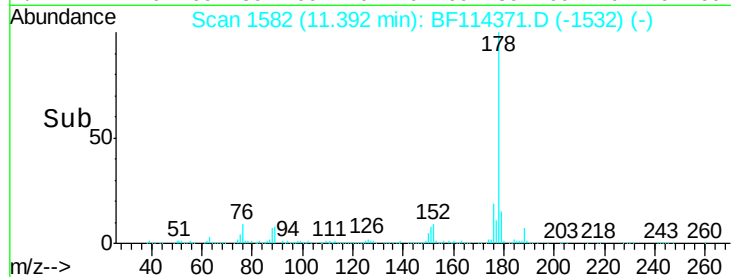
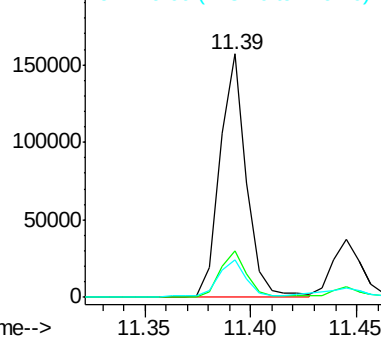
Tgt Ion:	178	Resp:	134752
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.4	24.6
179	15.3	13.2	19.8

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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: 7.225 ng

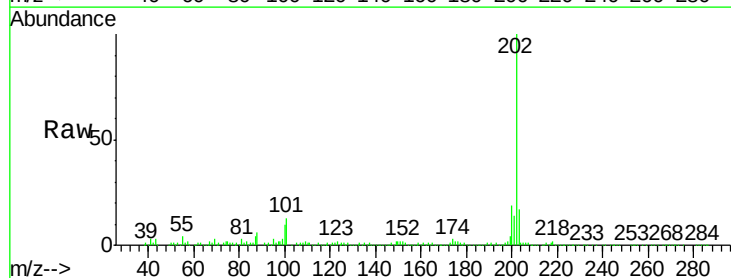
RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

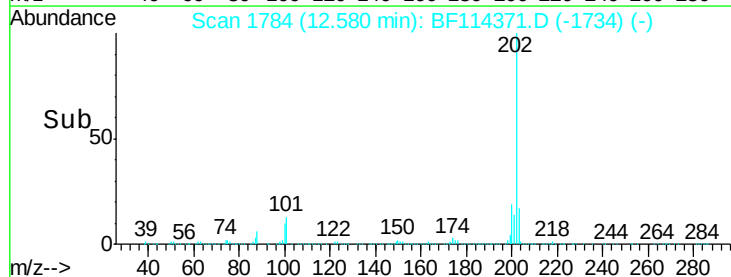
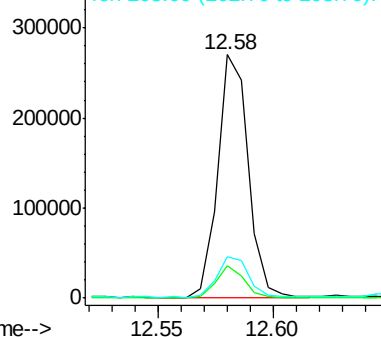
Lab File: BF114371.D

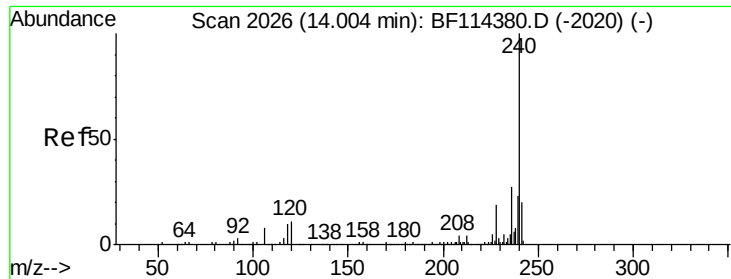
Acq: 18 May 2019 1:36

Tgt Ion:	202	Resp:	247938
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	31.0
203	17.3	0.0	38.4



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





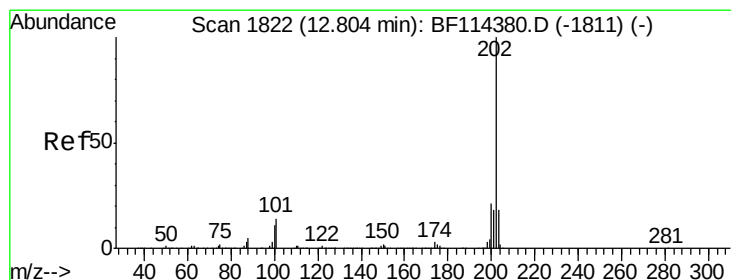
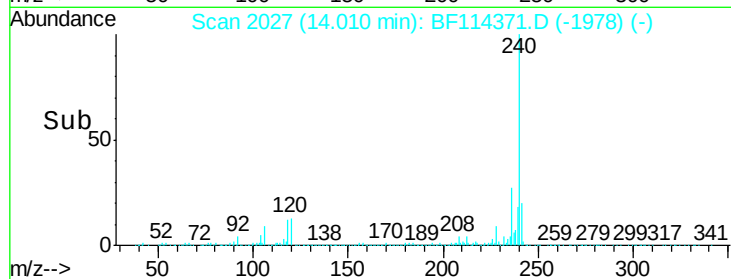
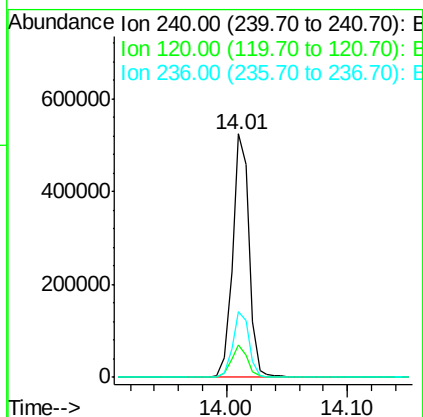
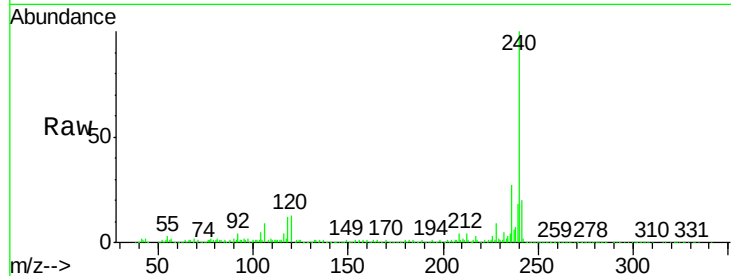
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampled :
SB-03-0-1

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		496915		
120	13.2	8.3	12.5#		
236	27.0	20.8	31.2		

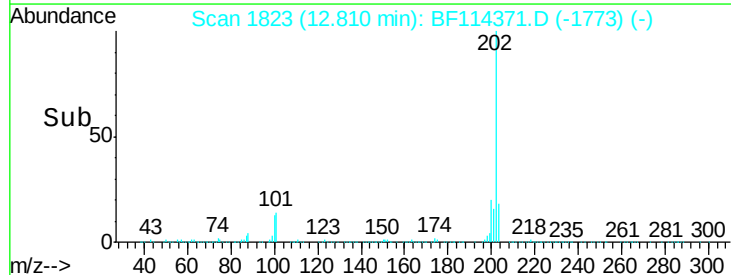
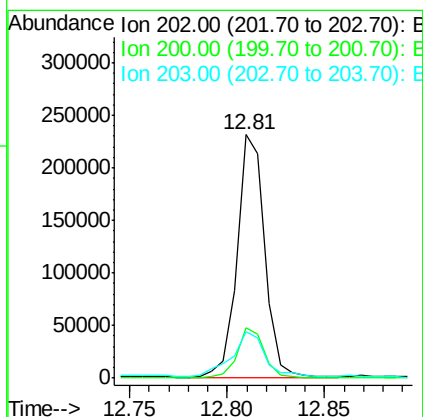
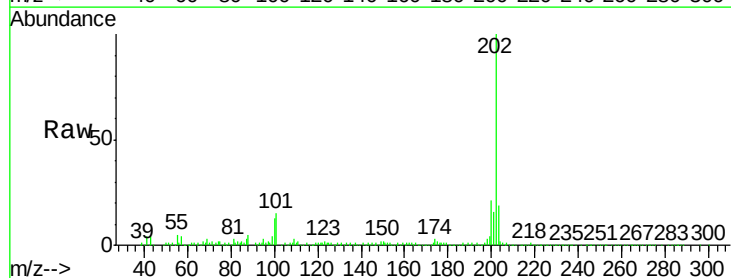
Manual Integrations
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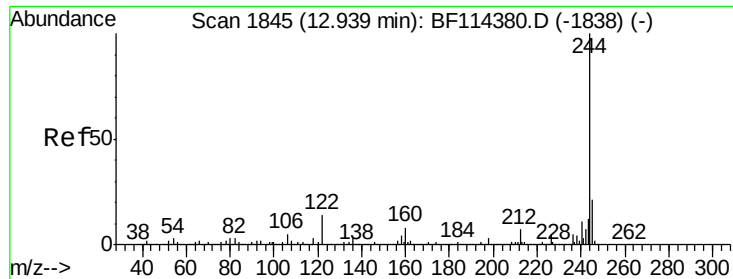
mohammad
5/21/2019 2:16:37 PM



#78
Pyrene
Concen: 5.654 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		226024		
200	20.6	16.9	25.3		
203	19.0	14.5	21.7		





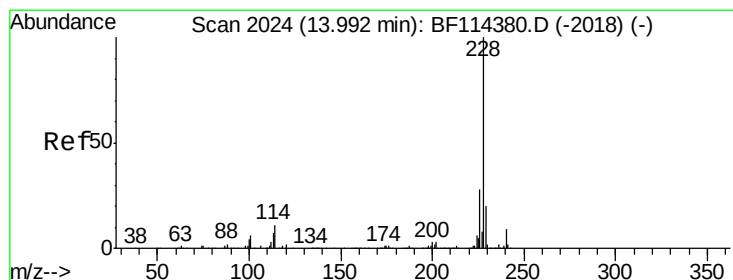
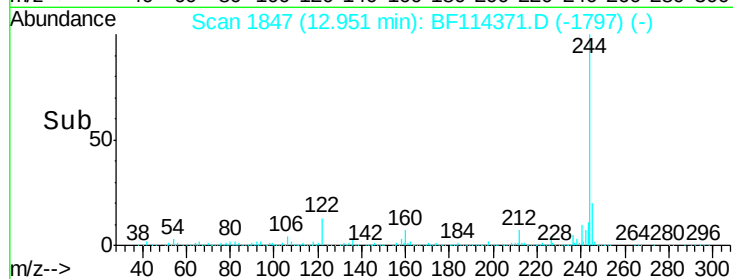
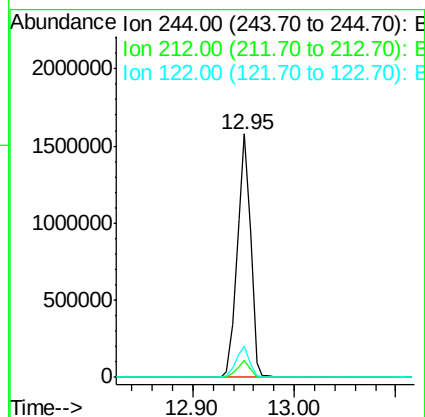
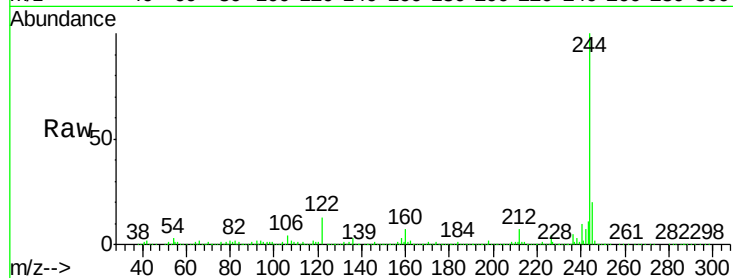
#79
 Terphenyl-d14
 Concen: 59.786 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-1

Tgt Ion:244 Resp: 1441172
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 12.7 9.4 14.2

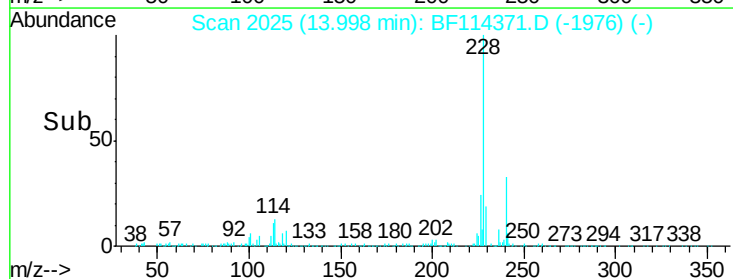
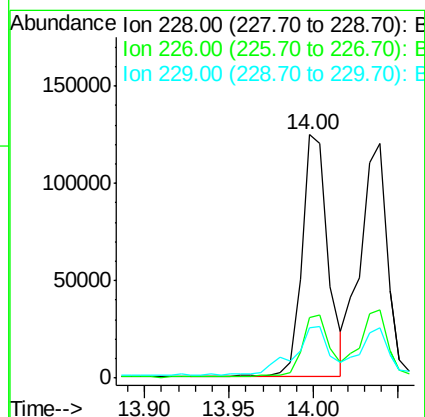
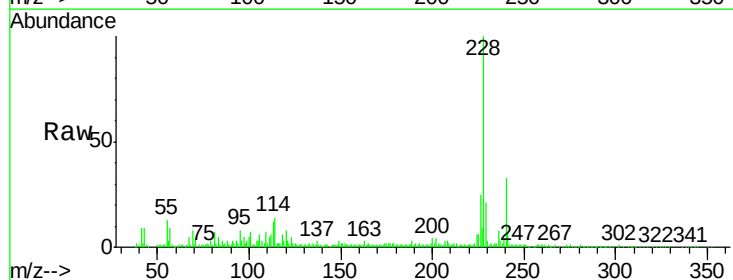
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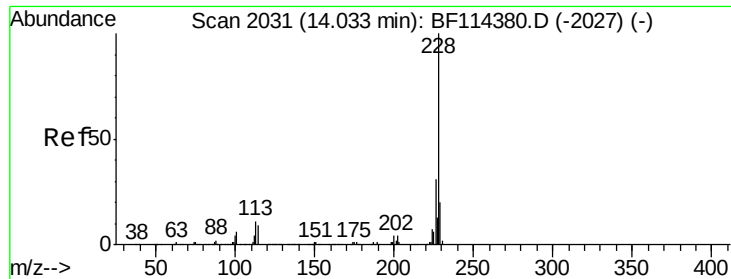
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.148 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

Tgt Ion:228 Resp: 133327
 Ion Ratio Lower Upper
 228 100
 226 25.0 22.2 33.2
 229 20.9 16.4 24.6





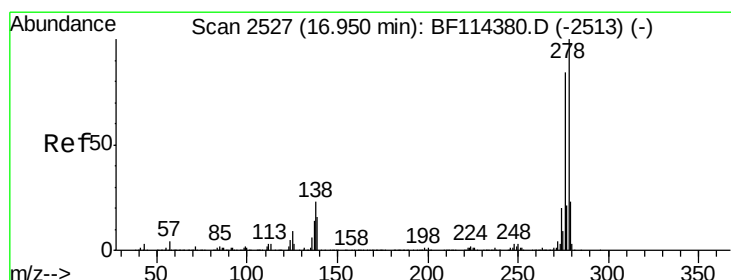
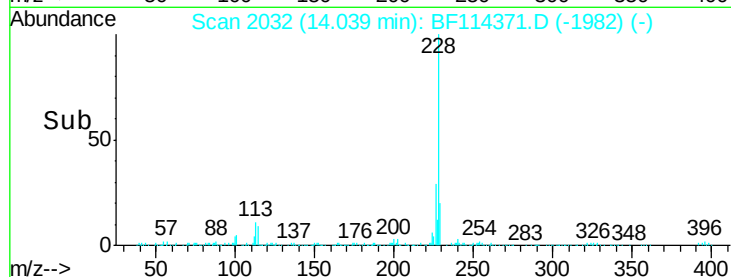
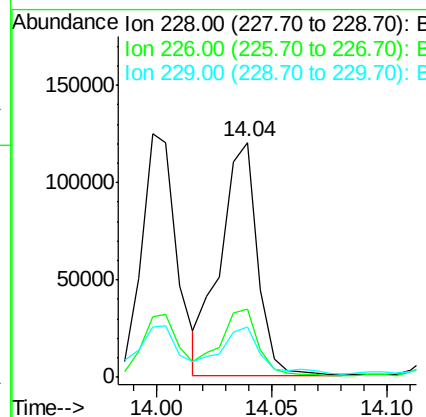
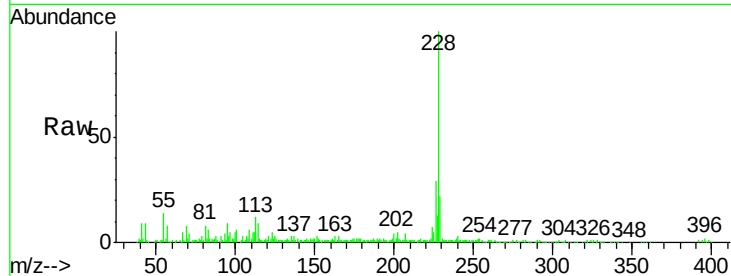
#83
Chrysene
Concen: 4.277 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampleId :
SB-03-0-1

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	134745		
226	29.1	25.0	37.6	
229	21.7	17.0	25.6	

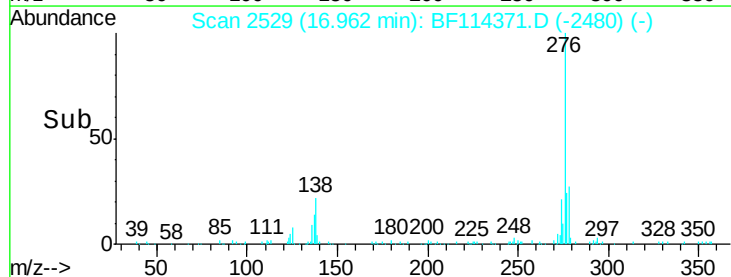
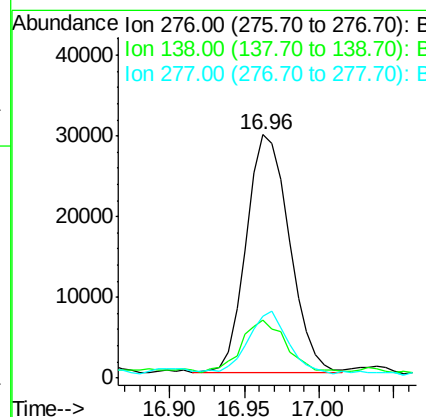
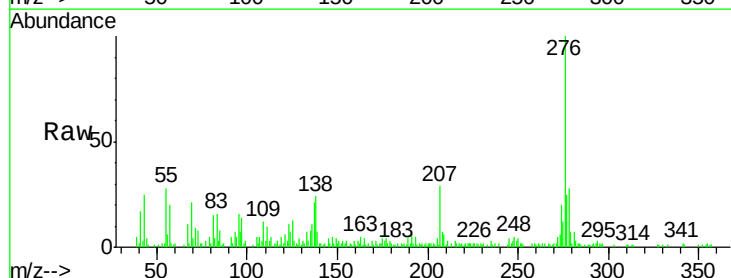
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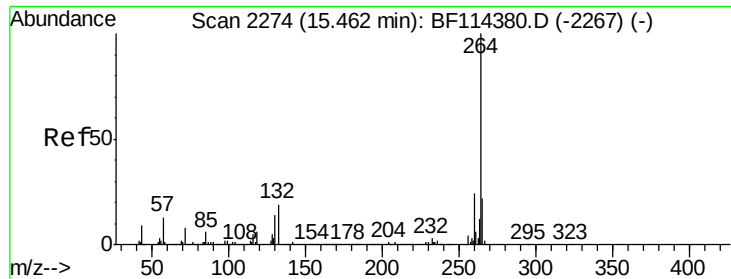
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.118 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	58971		
138	24.3	20.2	30.2	
277	24.7	20.0	30.0	





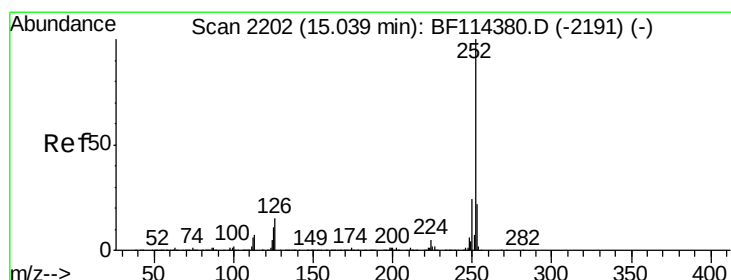
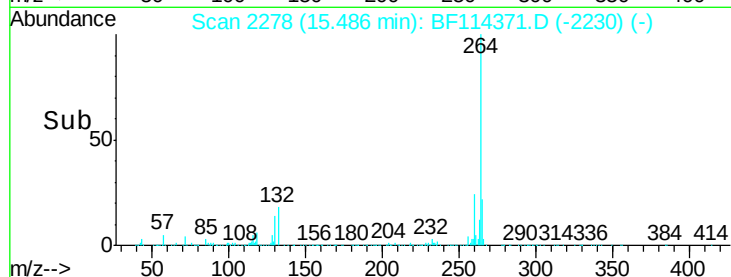
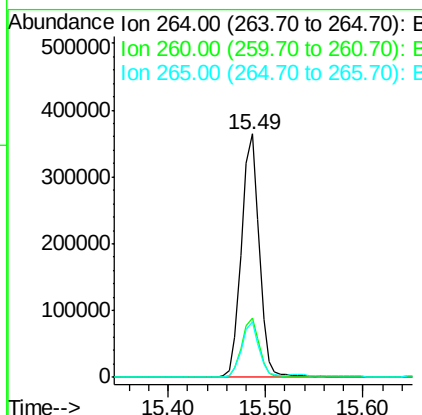
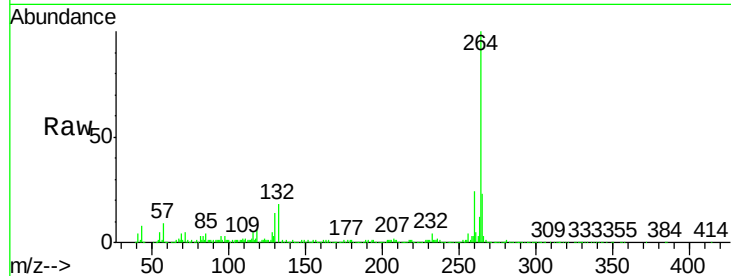
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

Instrument :
 BNA_F
 ClientSampled :
 SB-03-0-1

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.4	29.0
265	22.6	16.9	25.3

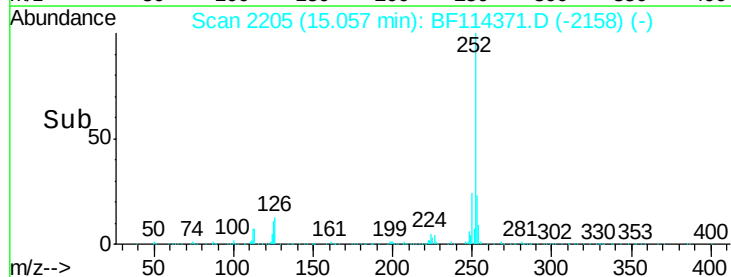
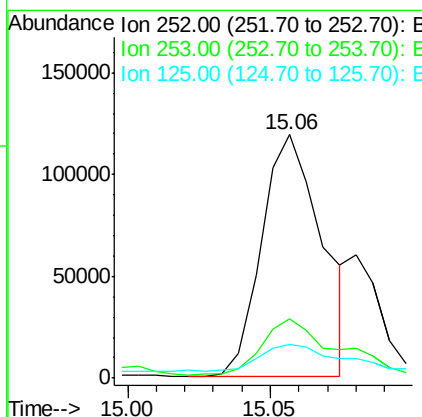
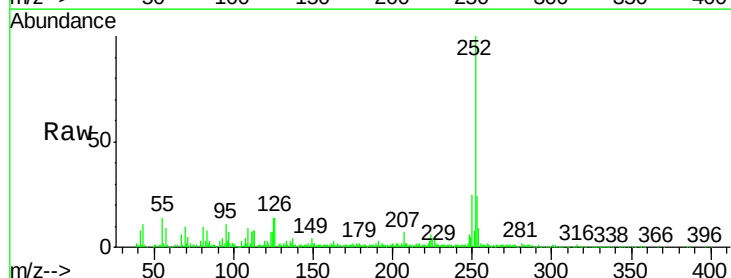
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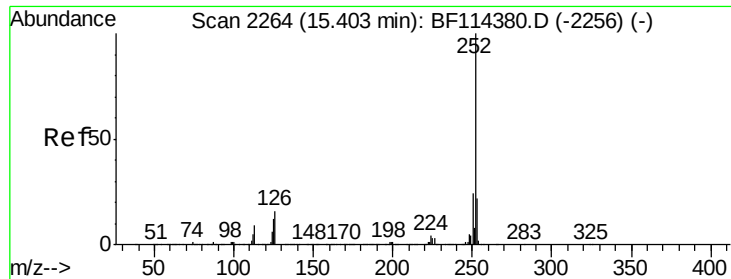
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 5.874 ng m
 RT: 15.06 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	17.8	26.8
125	13.8	8.3	12.5#





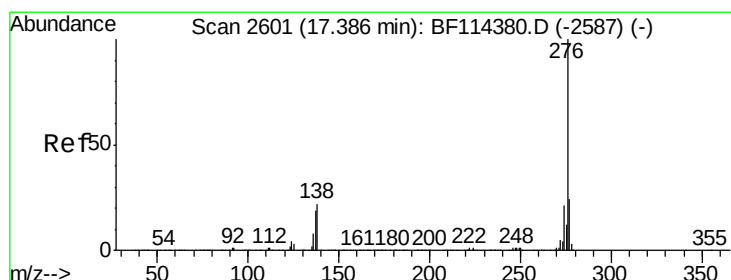
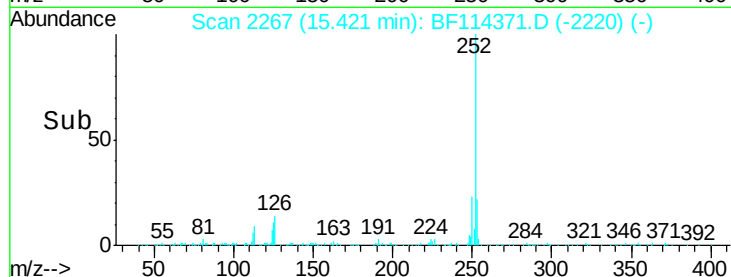
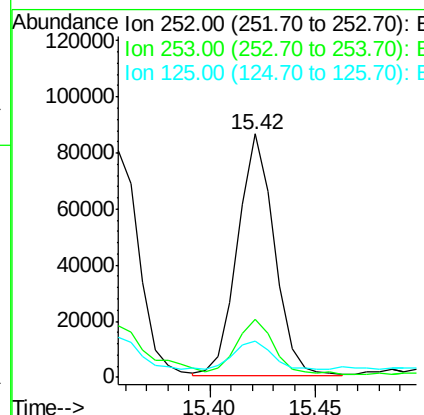
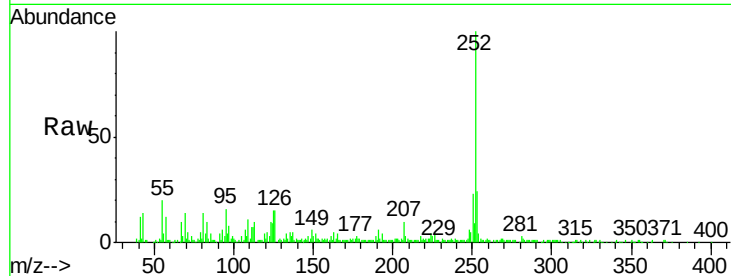
#90
Benzo(a)pyrene
Concen: 3.935 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampled :
SB-03-0-1

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.8	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.590 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.00 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.8	19.0	28.4
138	24.5	17.8	26.6

