

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119104.D
 Acq On : 27 Feb 2020 11:00
 Operator : CG/JU
 Sample : L1678-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Manual Integrations
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Quant Time: Feb 28 03:19:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	171034	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	653036	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	347479	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	581579	20.00	ng	0.00
76) Chrysene-d12	13.90	240	371632	20.00	ng	0.00
87) Perylene-d12	15.33	264	414872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	942728	92.11	ng	0.00
7) Phenol-d6	6.39	99	1148688	92.29	ng	-0.01
23) Nitrobenzene-d5	7.31	82	762993	61.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	382743	84.20	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1462725	62.01	ng	0.00
79) Terphenyl-d14	12.84	244	1309235	60.65	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.49	163	102813	3.869	ng	100
71) Phenanthrene	11.29	178	419481	13.226	ng	96
72) Anthracene	11.33	178	120245	3.794	ng	98
75) Fluoranthene	12.47	202	753463	22.380	ng	100
78) Pyrene	12.70	202	604583	20.260	ng	98
81) Benzo(a)anthracene	13.89	228	243750	9.626	ng	99
83) Chrysene	13.92	228	229055	9.078	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	115522	4.729	ng	96
88) Benzo(b)fluoranthene	14.92	252	273517m	10.002	ng	
89) Benzo(k)fluoranthene	14.94	252	78804m	3.110	ng	
90) Benzo(a)pyrene	15.27	252	181497	7.354	ng	# 97
92) Benzo(a,h,i)perylene	17.16	276	107195	4.996	ng	96

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

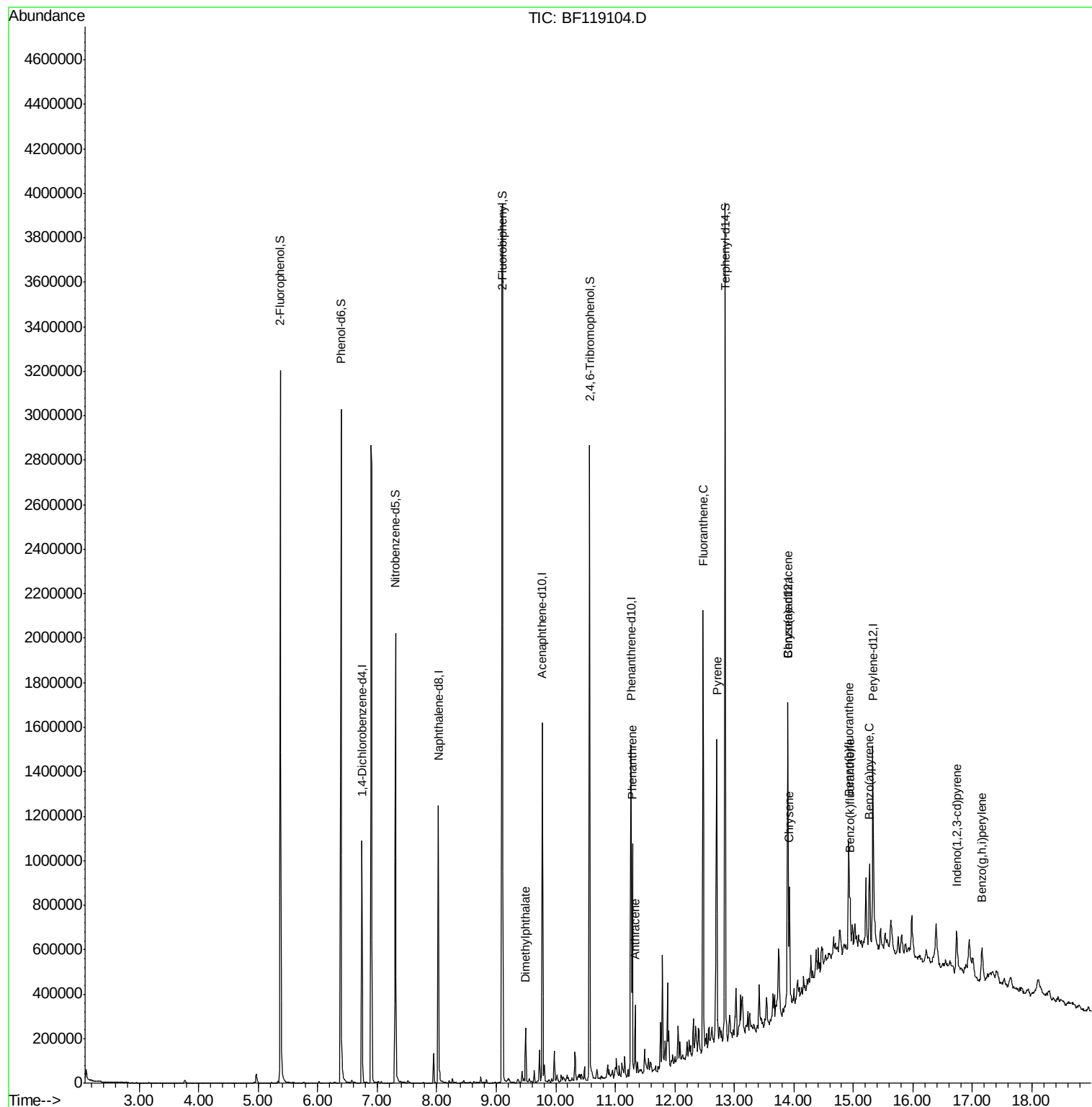
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119104.D
Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

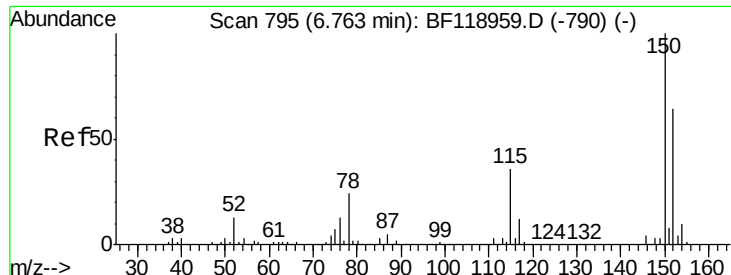
Instrument :
BNA_F
ClientSampleId :
VNJ-241

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Quant Time: Feb 28 03:19:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
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#1

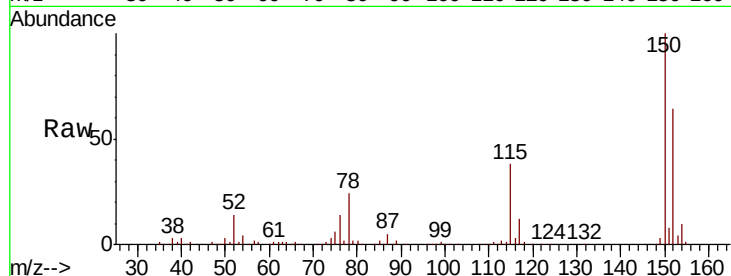
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.0	184.6
115	59.1	49.5	74.3

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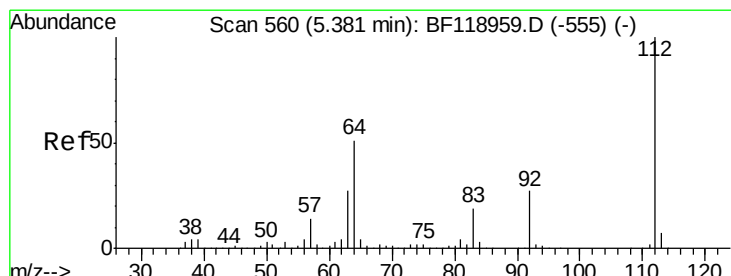
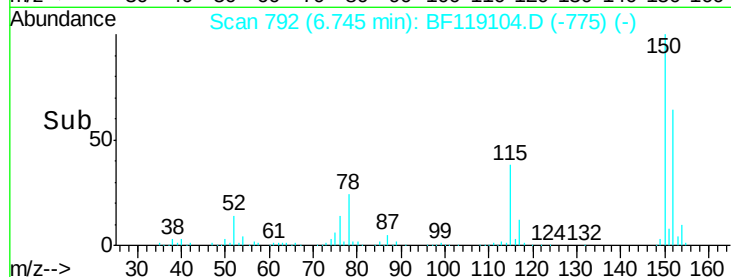
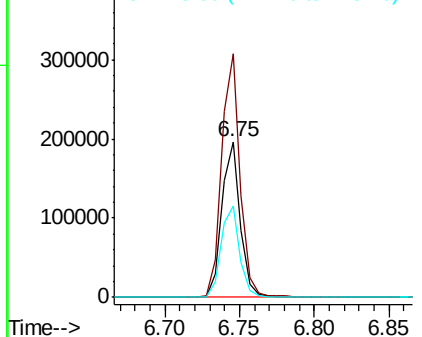


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

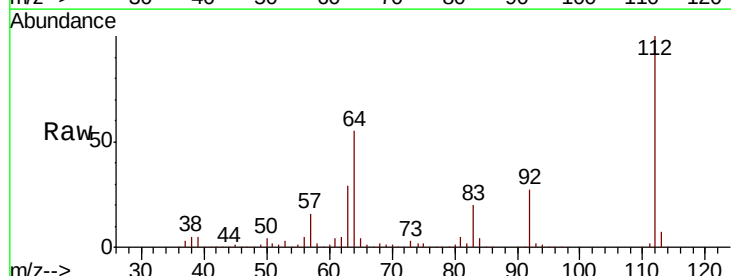
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.114 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.0	67.4
63	29.4	24.2	36.4

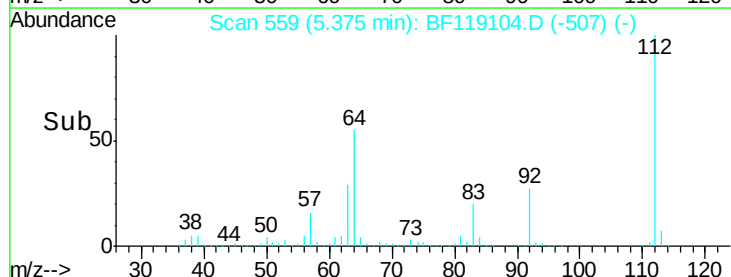
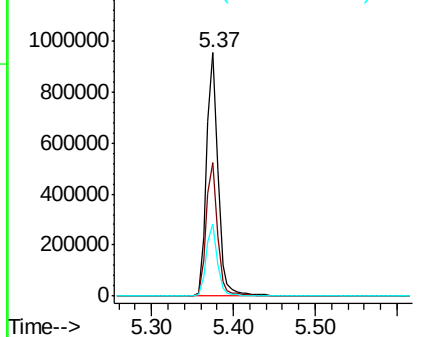


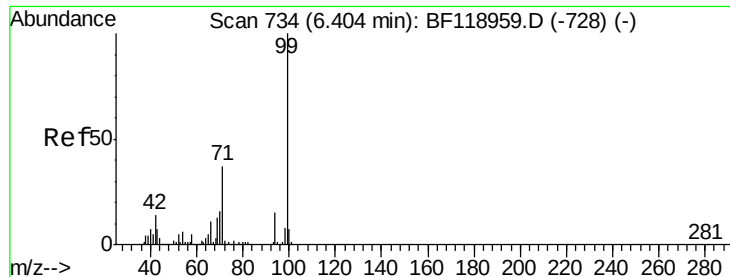
Abundance

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: 92.287 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

ClientSampled :

VNJ-241

Tot Ion: 99 Resp: 1148688

Ion Ratio Lower Upper

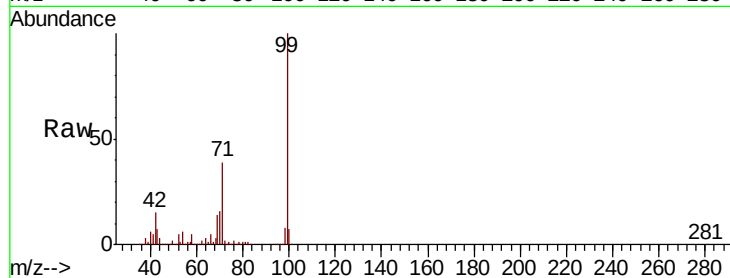
99 100

42 15.0 12.6 18.8

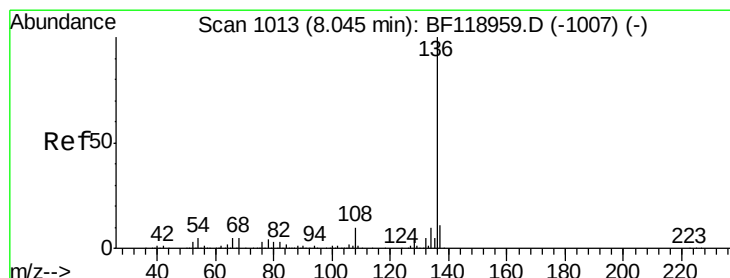
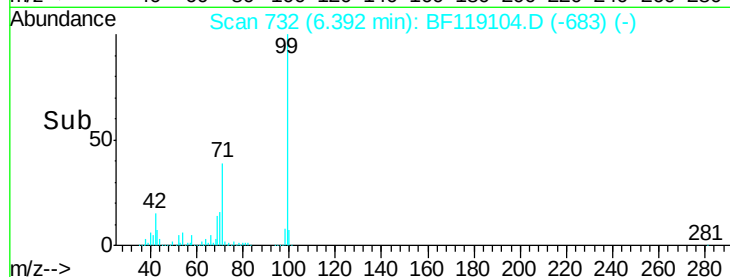
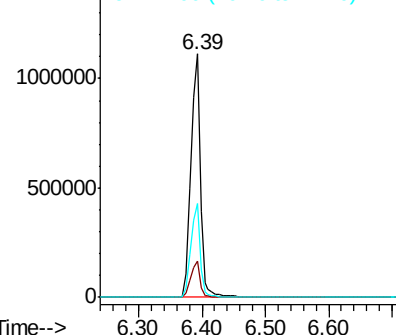
71 38.6 31.0 46.4

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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 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: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Tgt Ion: 136 Resp: 653036

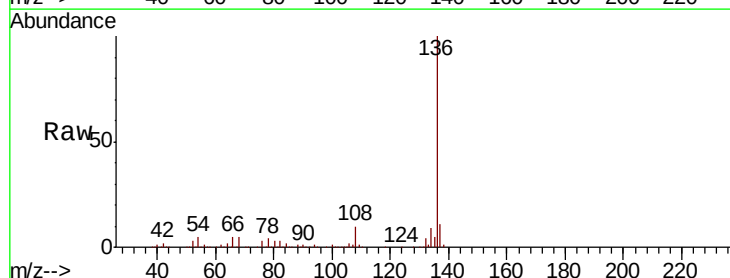
Ion Ratio Lower Upper

136 100

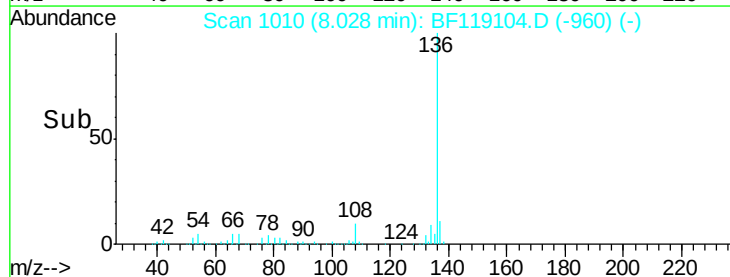
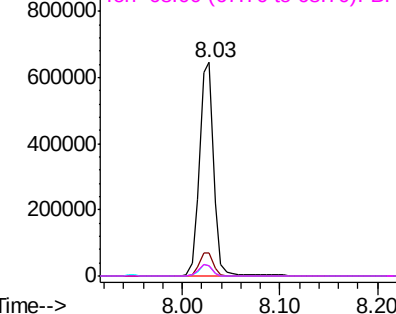
137 10.9 8.8 13.2

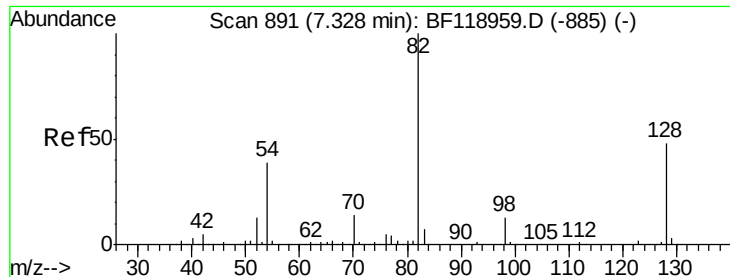
54 4.9 3.8 5.6

68 4.9 3.9 5.9



Abundance Ion 136.00 (135.70 to 136.70): E
1000000 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





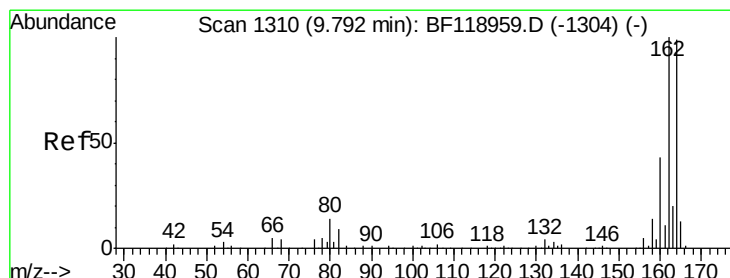
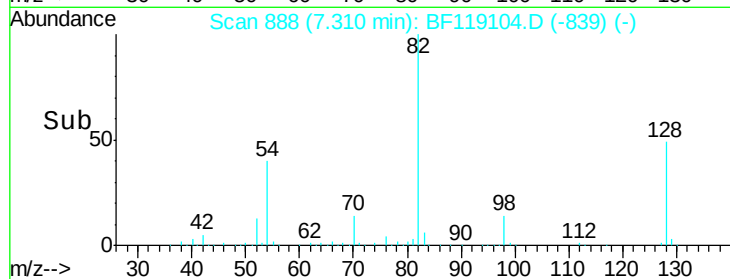
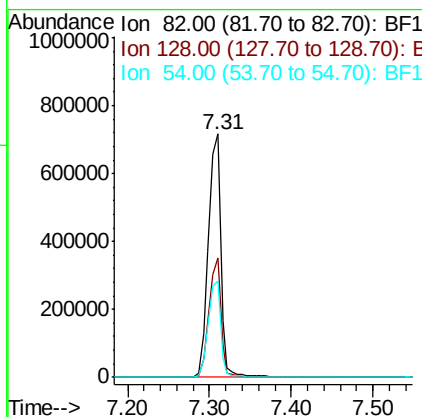
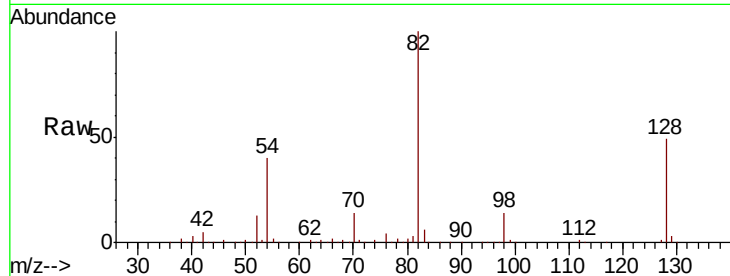
#23
 Nitrobenzene-d5
 Concen: 61.690 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Instrument :
 BNA_F
 ClientSampled :
 VNJ-241

Tot Ion:	82	Resp:	762993
Ion Ratio	Lower	Upper	
82	100		
128	49.2	37.9	56.9
54	39.6	33.4	50.2

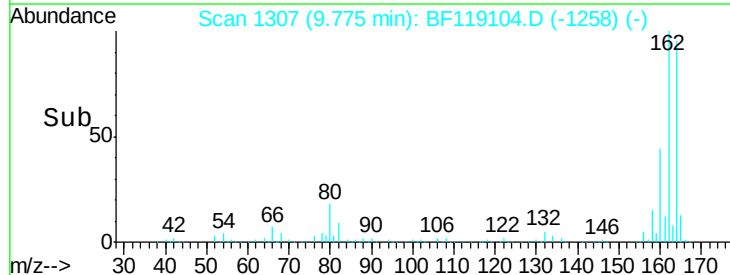
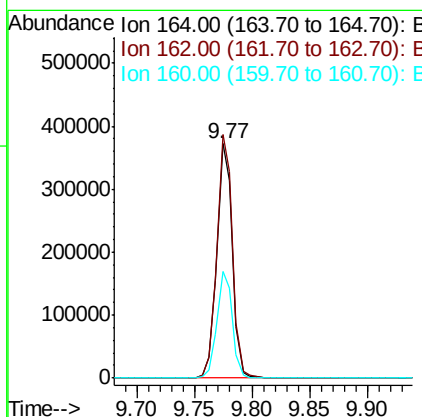
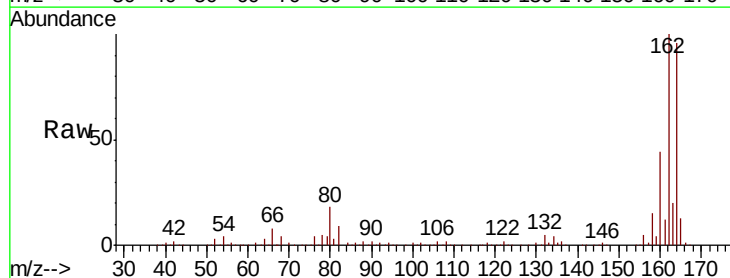
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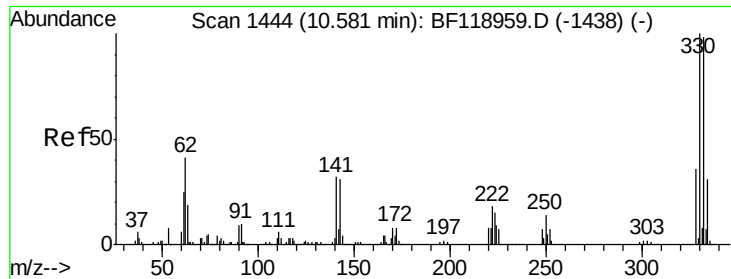
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Tgt Ion:	164	Resp:	347479
Ion Ratio	Lower	Upper	
164	100		
162	103.9	81.8	122.8
160	45.3	36.0	54.0





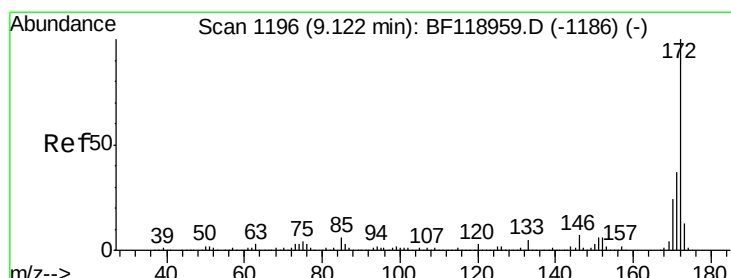
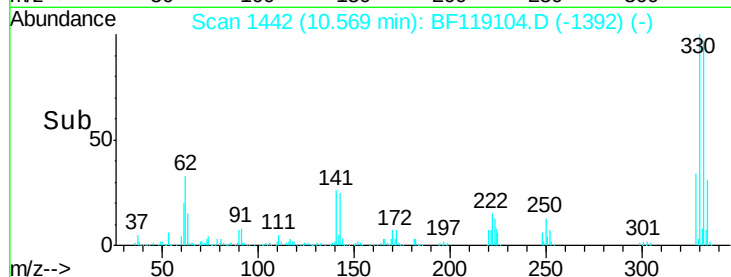
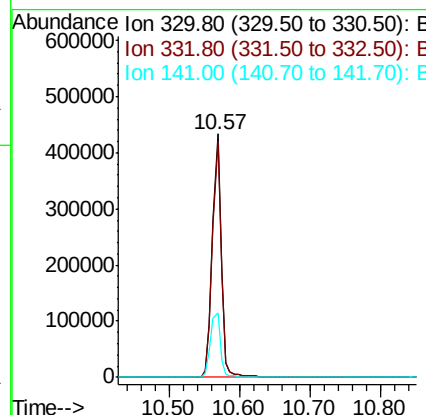
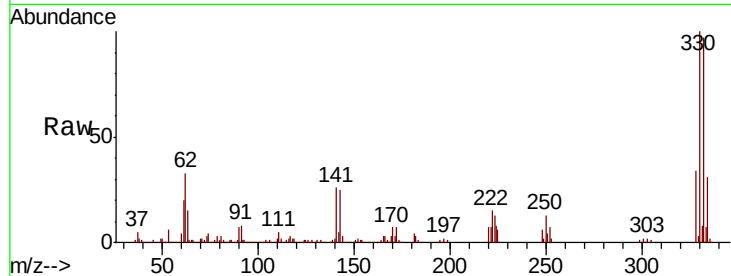
#42
 2,4,6-Tribromophenol
 Concen: 84.201 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Instrument :
 BNA_F
 ClientSampled :
 VNJ-241

Tot Ion	Ratio	Resp	Lower	Upper
330	100	382743		
332	96.1		76.0	114.0
141	30.4		22.9	34.3

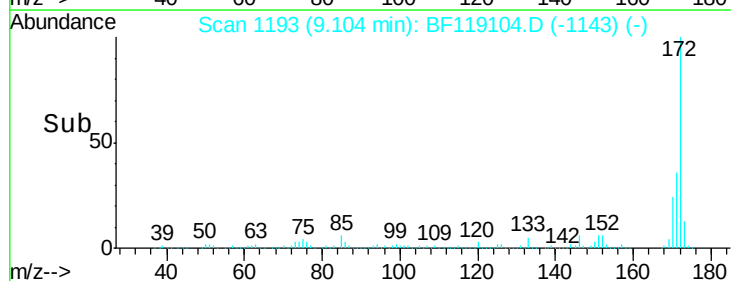
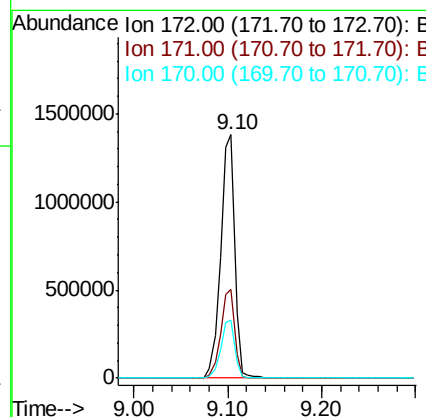
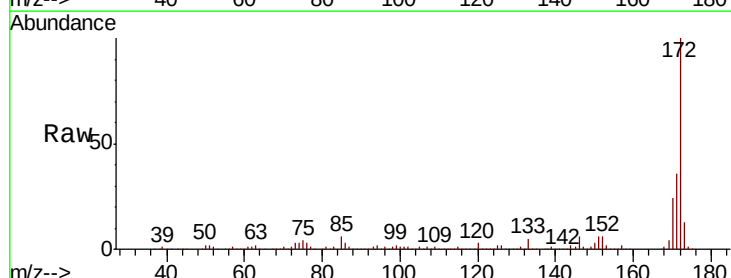
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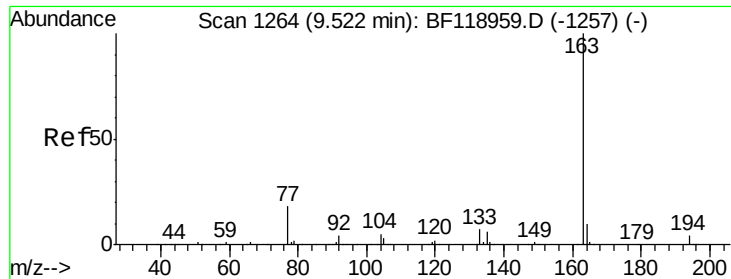
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#45
 2-Fluorobiphenyl
 Concen: 62.014 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1462725		
171	36.2		30.6	45.8
170	24.1		20.2	30.2





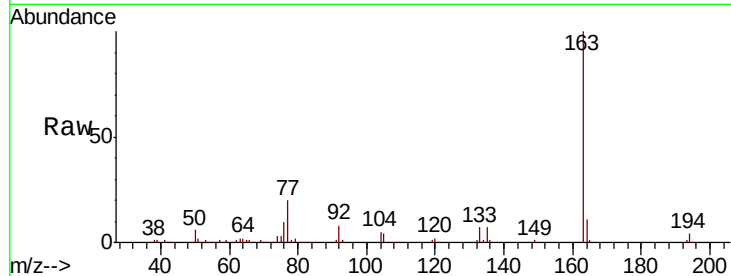
#50
Dimethylphthalate
Concen: 3.869 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :
VNJ-241

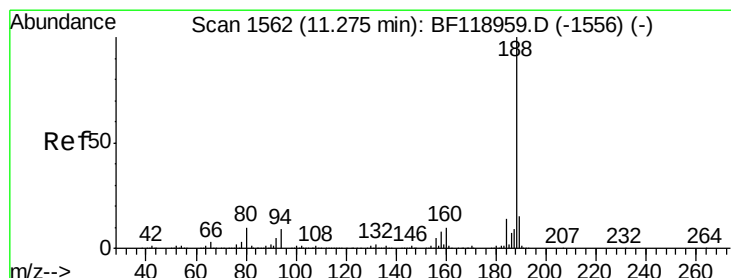
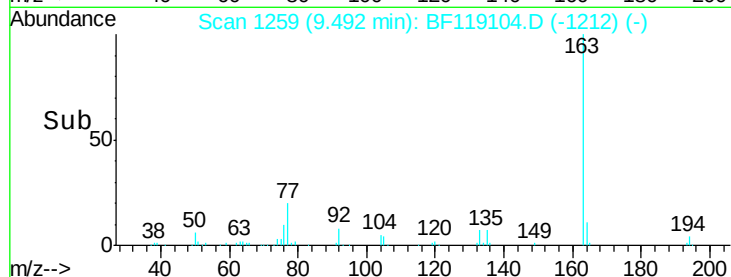
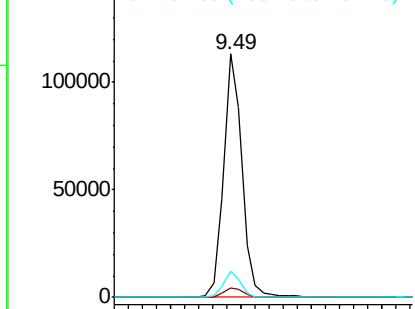
Tot Ion	Ratio	Resp	Lower	Upper
163	100	102813		
194	4.1	3.5	5.3	
164	10.6	8.4	12.6	

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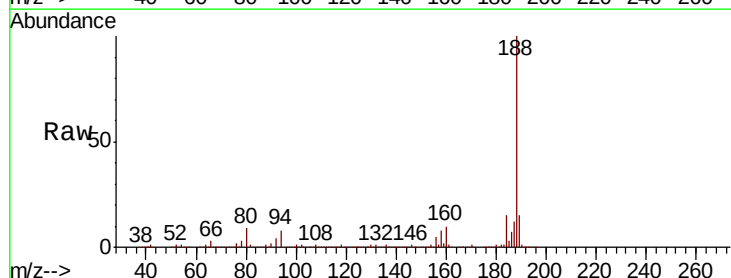


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

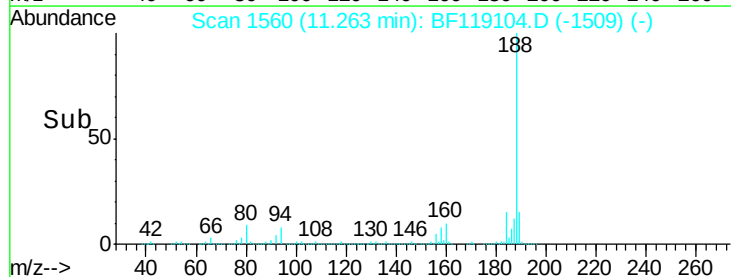
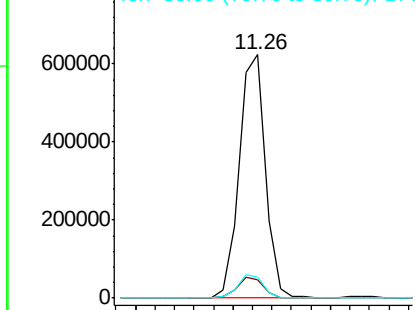


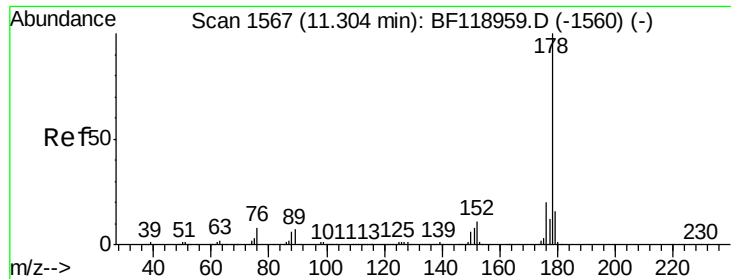
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	581579		
94	7.8	7.1	10.7	
80	8.5	7.8	11.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 13.226 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

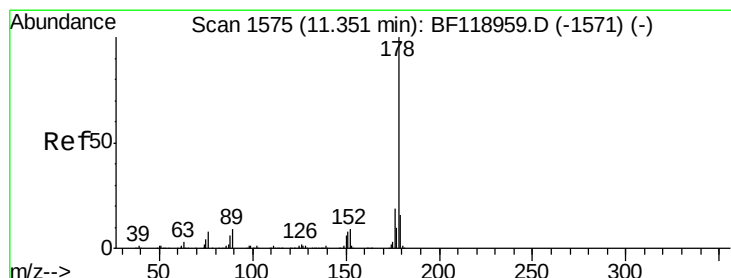
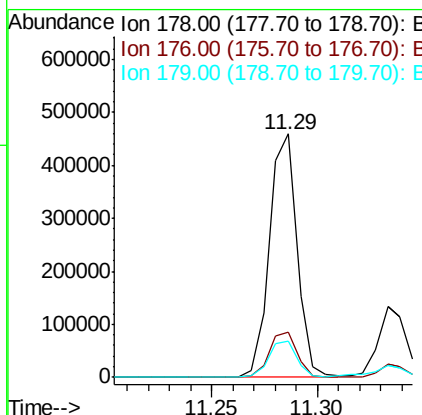
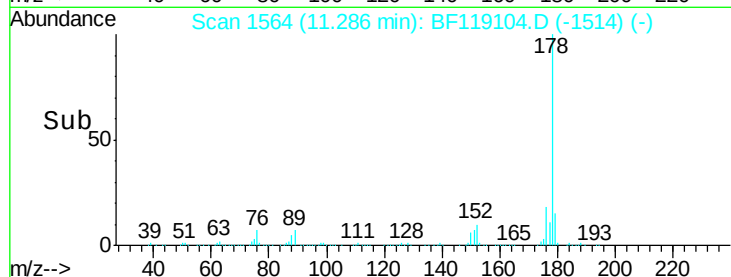
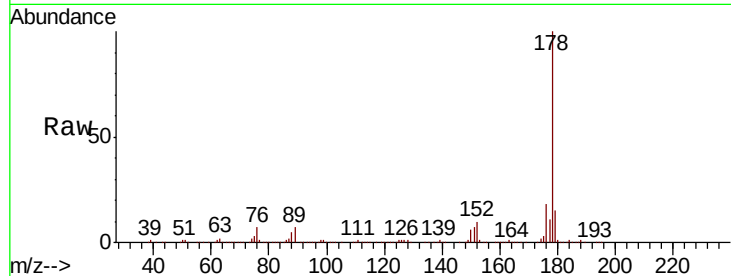
ClientSampleId :

VNJ-241

Tot Ion:	178	Resp:	419481
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.5	24.7
179	15.0	13.0	19.6

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#72

Anthracene

Concen: 3.794 ng

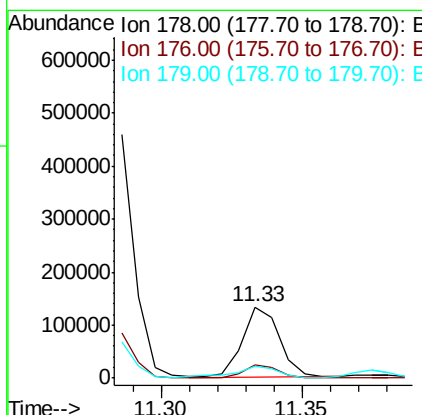
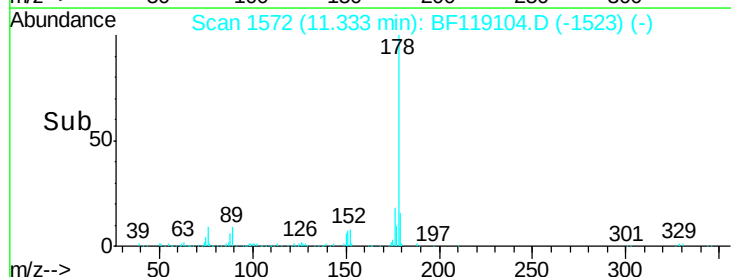
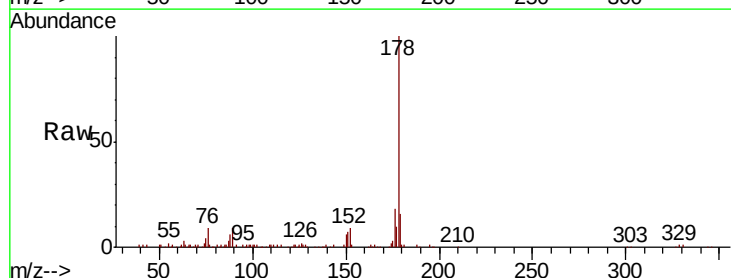
RT: 11.33 min Scan# 1572

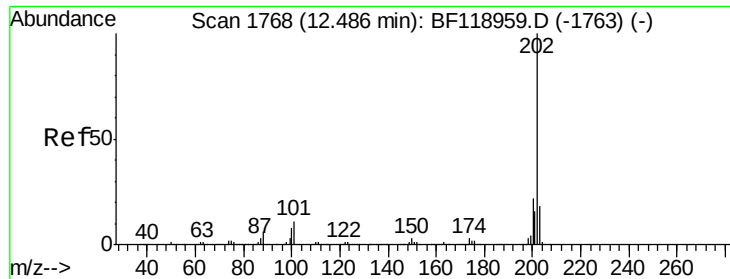
Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Tgt Ion:	178	Resp:	120245
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.0	24.0
179	16.2	13.1	19.7





#75

Fluoranthene

Concen: 22.380 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

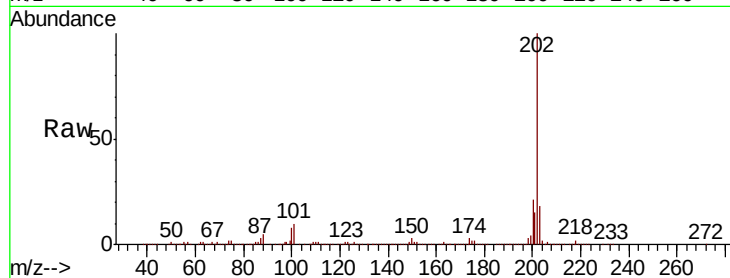
ClientSampleId :

VNJ-241

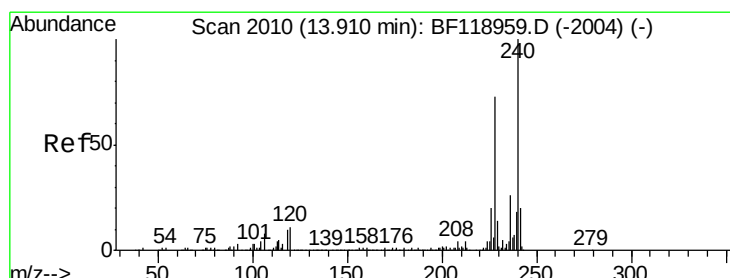
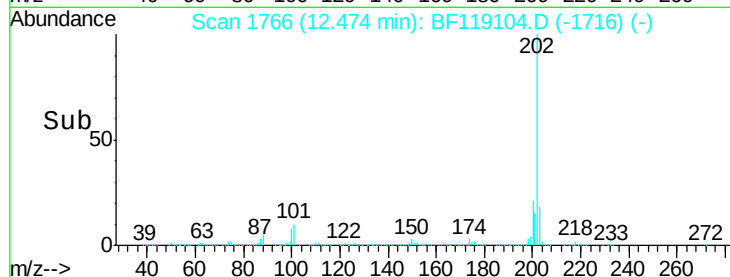
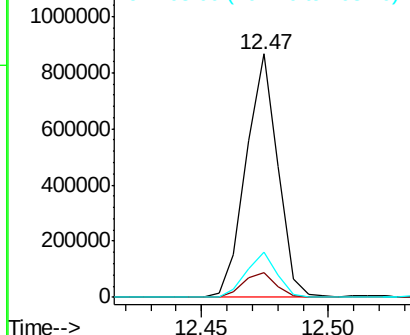
Tot Ion:	202	Resp:	753463
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	30.3
203	18.5	0.0	38.4

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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: 13.90 min Scan# 2008

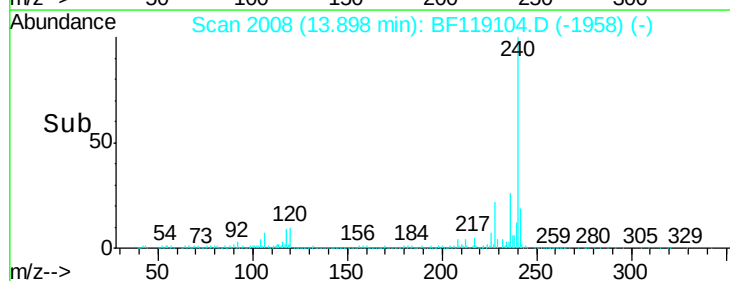
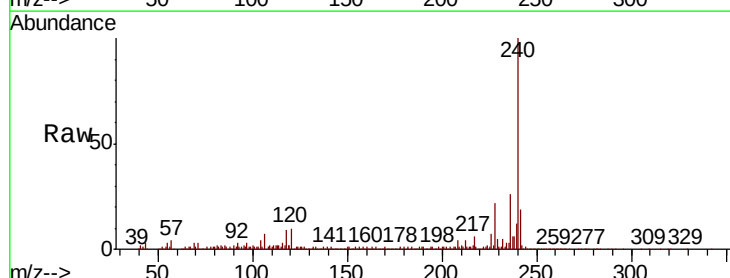
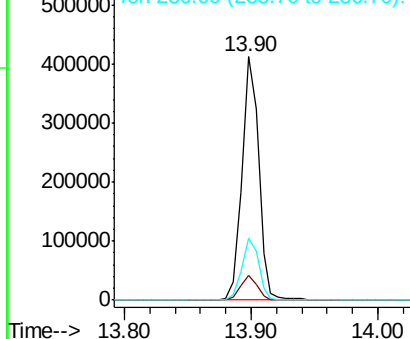
Delta R.T. -0.01 min

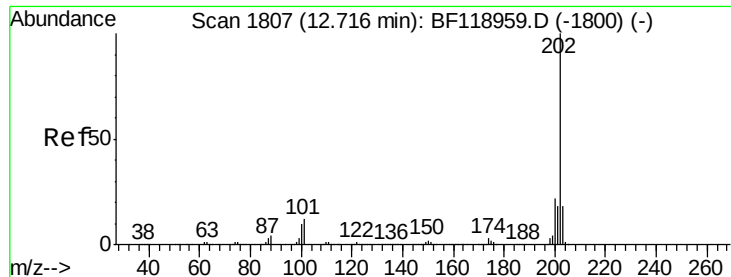
Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Tgt Ion:	240	Resp:	371632
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.4	12.6
236	25.7	21.0	31.4

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

Pvrene

Concen: 20.260 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

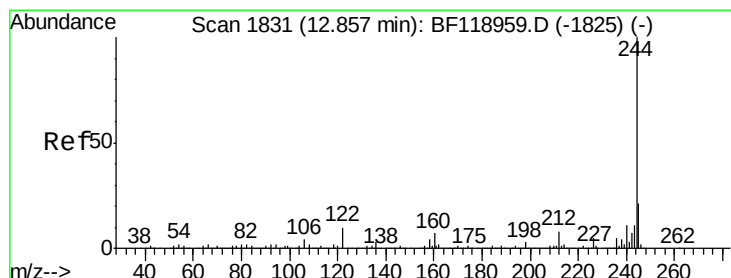
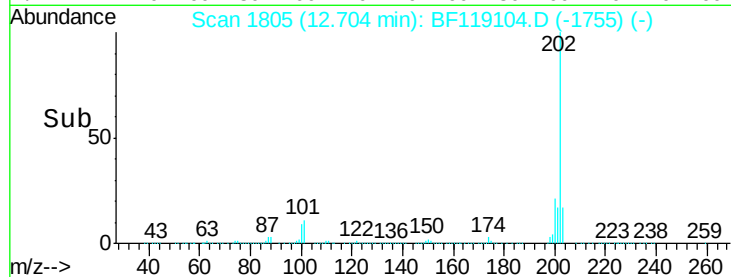
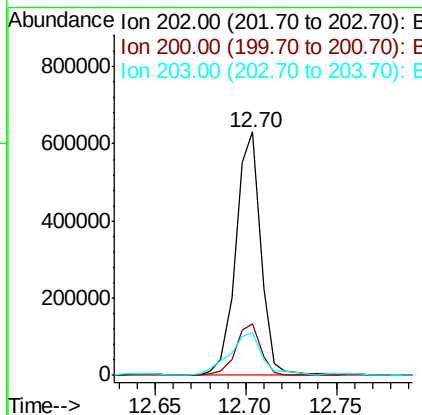
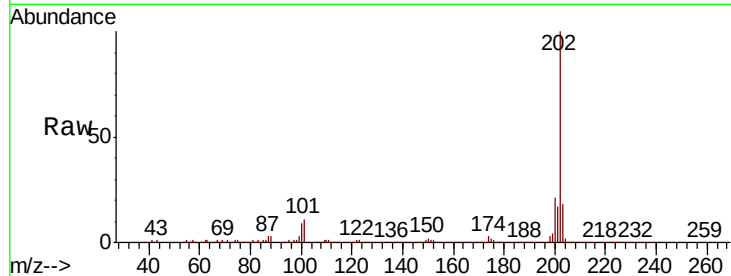
ClientSampleId :

VNJ-241

Tot Ion:	202	Resp:	604583
Ion Ratio		Lower	Upper
202	100		
200	21.1	18.0	27.0
203	17.5	14.6	22.0

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#79

Terphenyl-d14

Concen: 60.653 ng

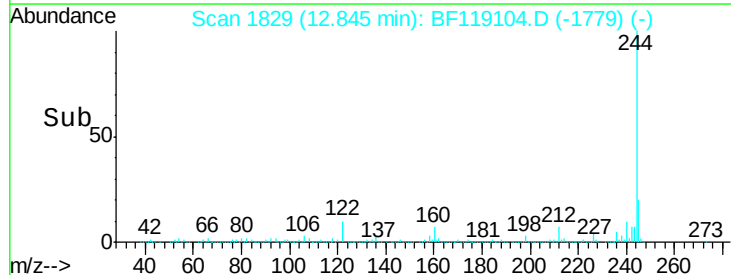
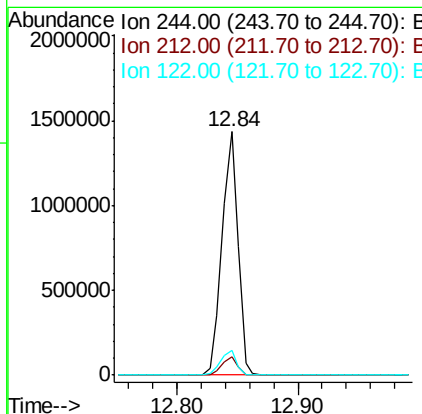
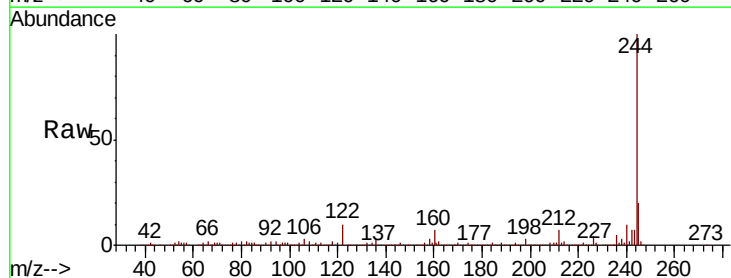
RT: 12.84 min Scan# 1829

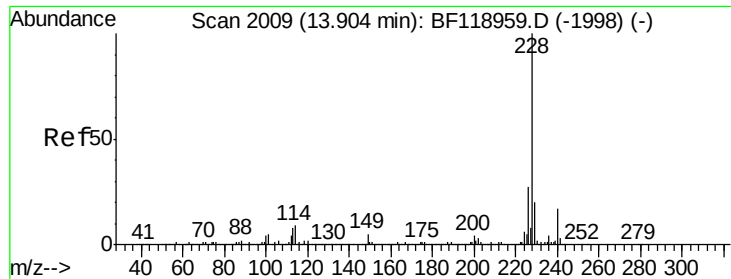
Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Tgt Ion:	244	Resp:	1309235
Ion Ratio		Lower	Upper
244	100		
212	7.4	6.6	10.0
122	9.9	8.2	12.2





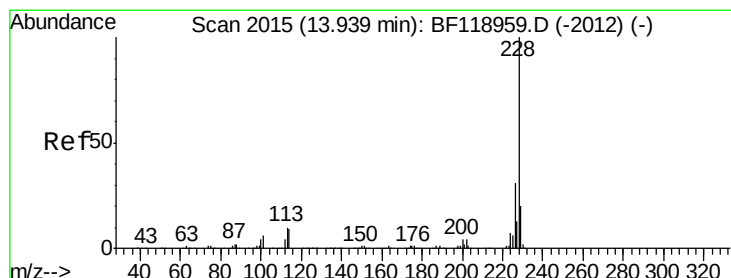
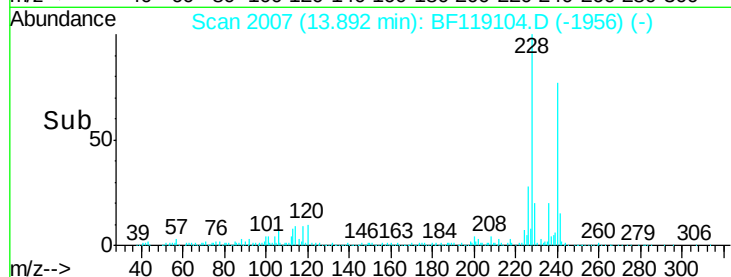
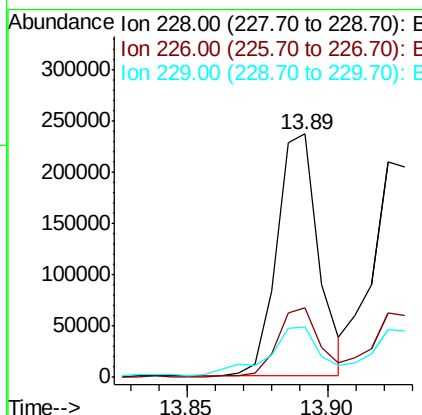
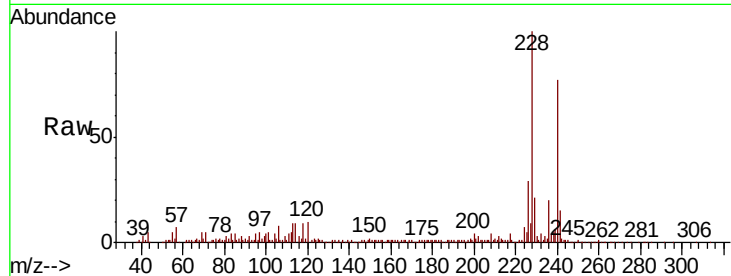
#81
Benzo(a)anthracene
Concen: 9.626 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.9	16.6	24.8

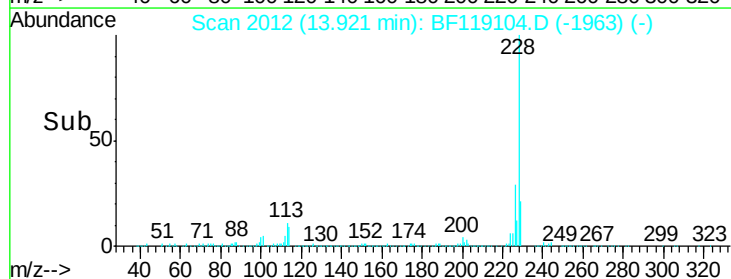
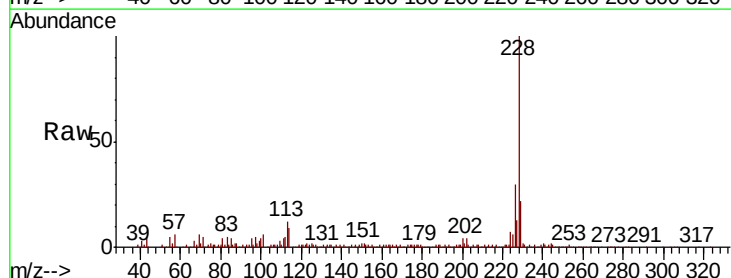
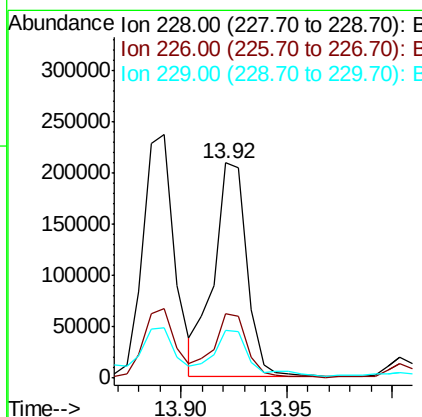
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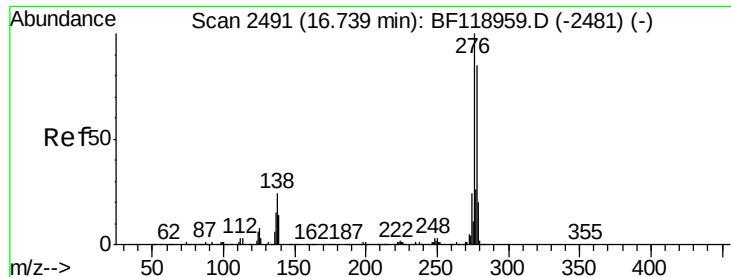
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#83
Chrysene
Concen: 9.078 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.1	37.7
229	22.0	16.3	24.5





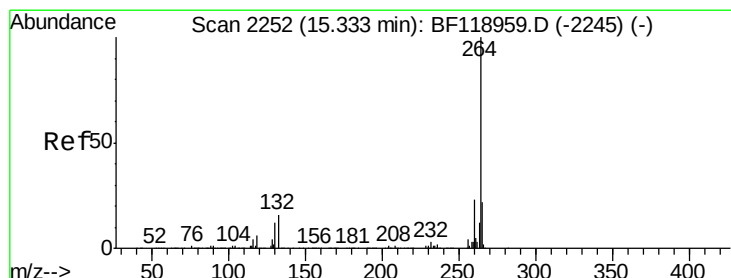
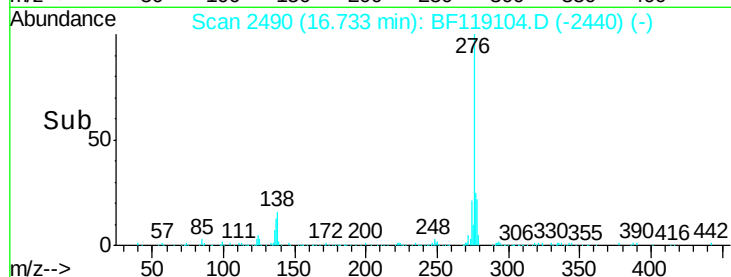
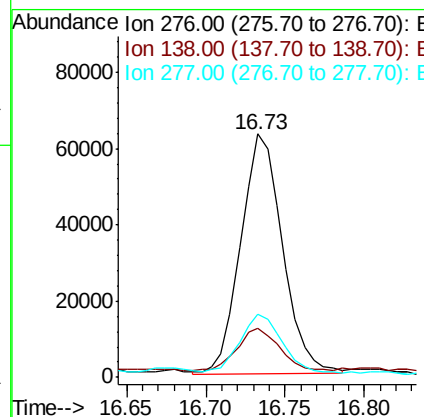
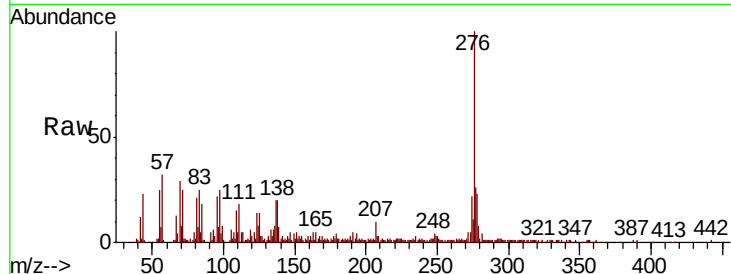
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.729 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.0	17.4	26.0
277	24.6	20.3	30.5

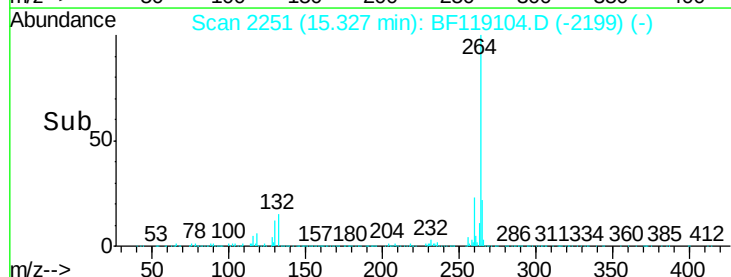
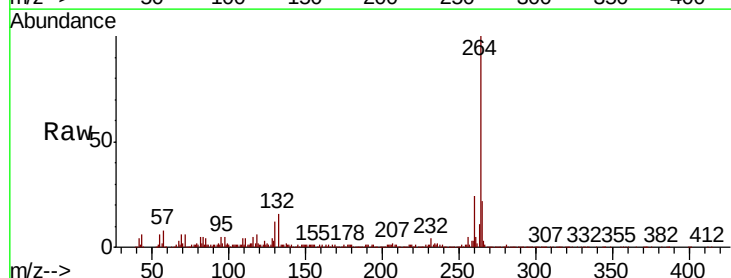
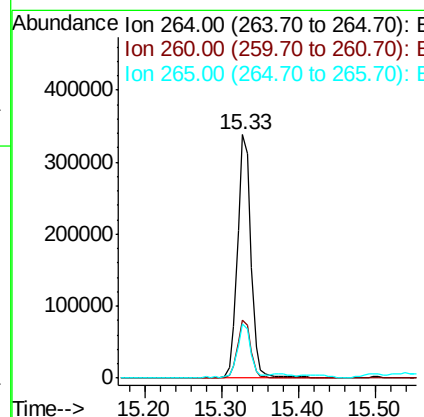
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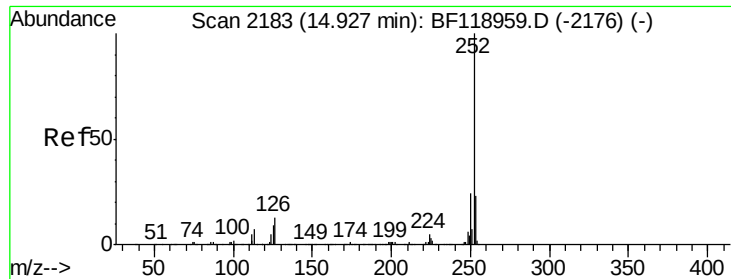
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.3	17.7	26.5





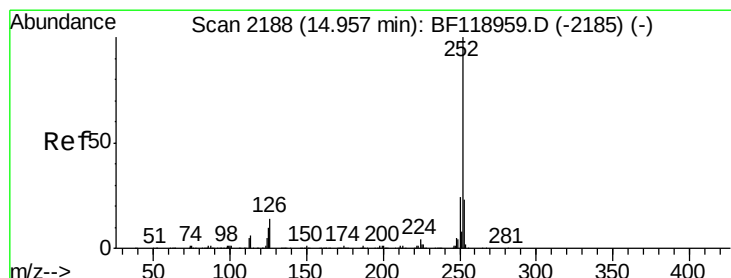
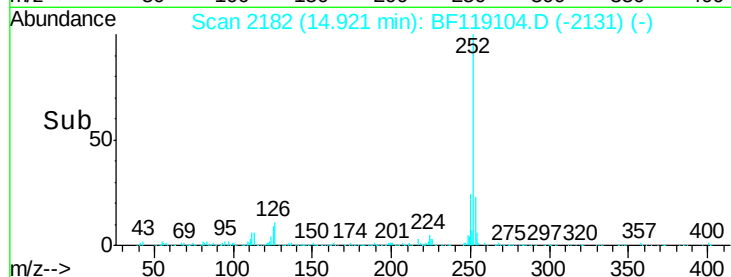
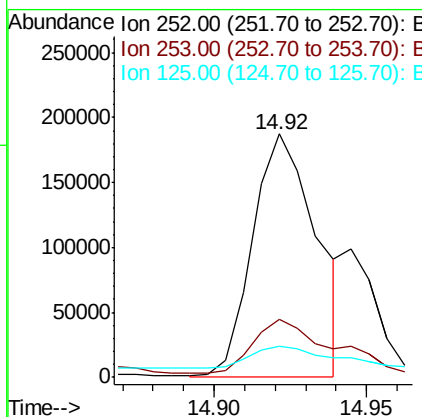
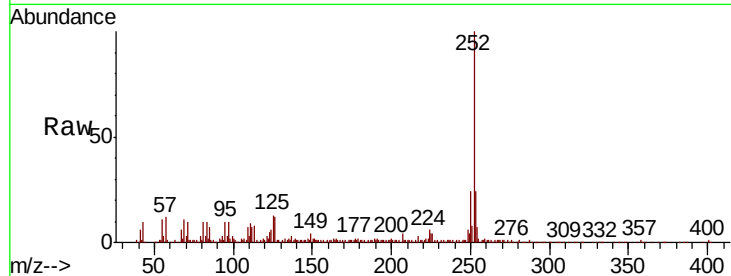
#88
Benzo(b)fluoranthene
Concen: 10.002 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampled :
VNJ-241

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.7	7.4	11.0

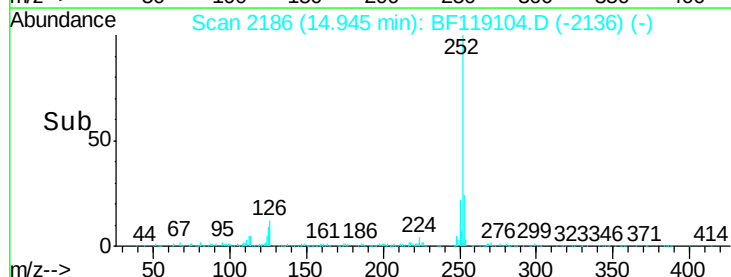
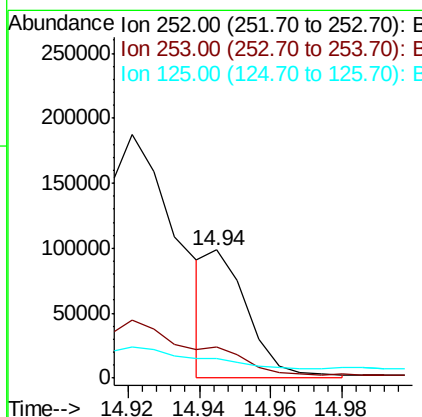
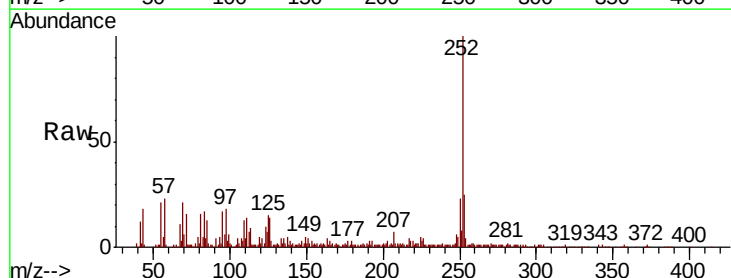
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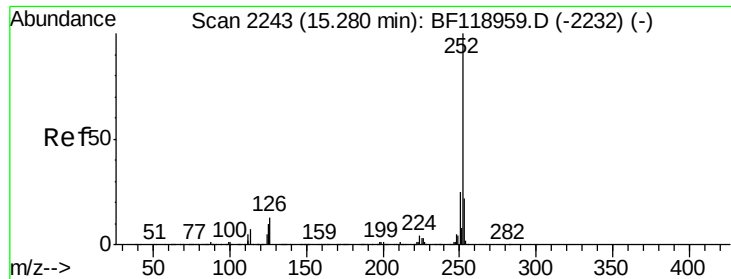
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#89
Benzo(k)fluoranthene
Concen: 3.110 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	15.0	7.5	11.3





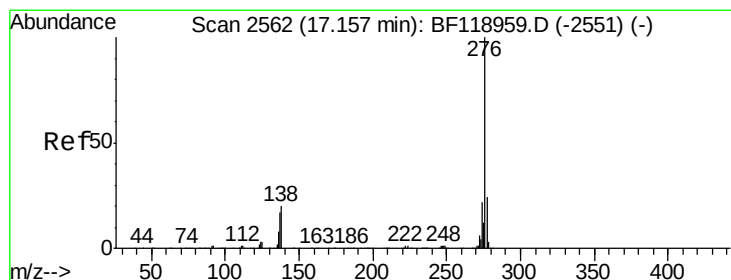
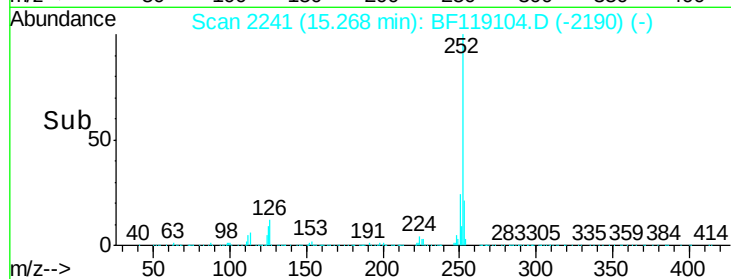
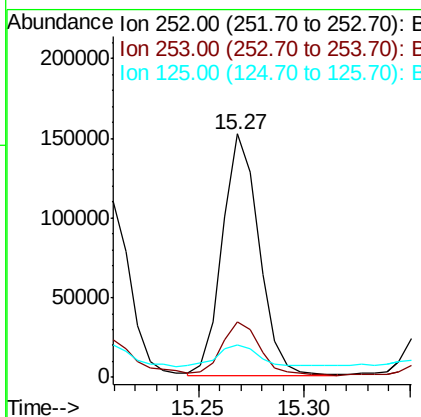
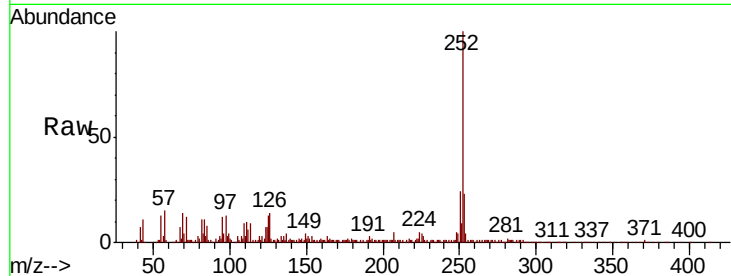
#90
Benzo(a)pyrene
Concen: 7.354 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampled :
VNJ-241

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	13.4	8.6	12.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.996 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	20.2	14.3	21.5

