

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
 Data File : BF119144.D
 Acq On : 28 Feb 2020 21:51
 Operator : CG/JU
 Sample : L1718-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

Quant Time: Mar 02 03:24:50 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

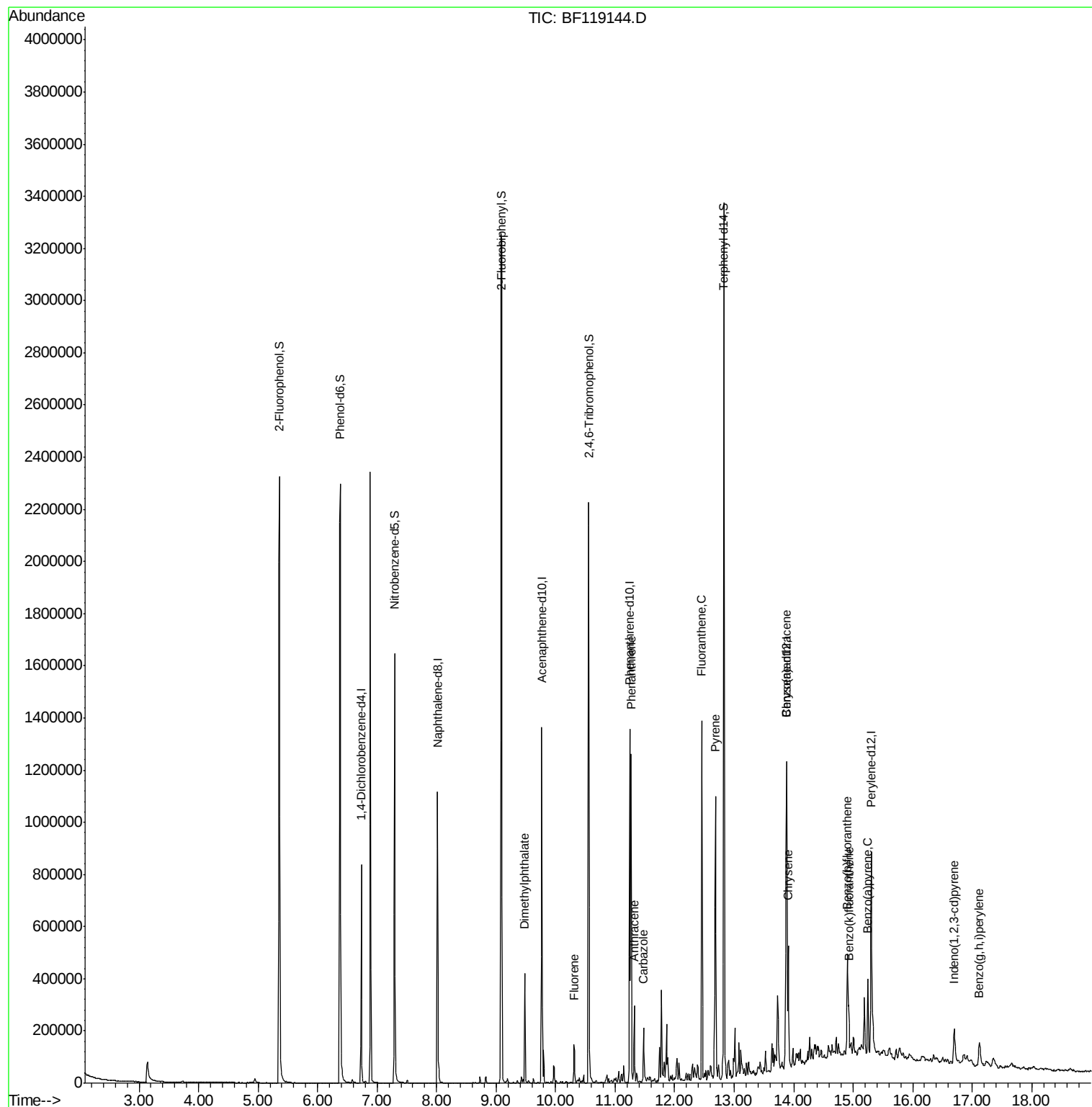
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	131854	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	509991	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	283193	20.00	ng	-0.02
64) Phenanthrene-d10	11.24	188	523487	20.00	ng	-0.02
76) Chrysene-d12	13.89	240	331641	20.00	ng	-0.02
87) Perylene-d12	15.30	264	359843	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	732539	92.85	ng	-0.01
7) Phenol-d6	6.38	99	896114	93.39	ng	-0.02
23) Nitrobenzene-d5	7.30	82	577546	59.79	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	315447	85.15	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1093192	56.87	ng	-0.02
79) Terphenyl-d14	12.83	244	1188070	61.68	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.48	163	171444	7.917	ng	99
58) Fluorene	10.31	166	42098	2.260	ng	99
71) Phenanthrene	11.27	178	488681	17.118	ng	96
72) Anthracene	11.32	178	111256	3.900	ng	98
73) Carbazole	11.48	167	67097	2.640	ng	97
75) Fluoranthene	12.46	202	546708	18.041	ng	98
78) Pyrene	12.69	202	413969	15.545	ng	97
81) Benzo(a)anthracene	13.87	228	195250	8.641	ng	97
83) Chrysene	13.91	228	168161	7.469	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	81460	3.736	ng	96
88) Benzo(b)fluoranthene	14.90	252	228534m	9.635	ng	
89) Benzo(k)fluoranthene	14.93	252	56548m	2.573	ng	
90) Benzo(a)pyrene	15.24	252	145650	6.804	ng	99
92) Benzo(a,h,i)perylene	17.12	276	74113	3.982	ng	96

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

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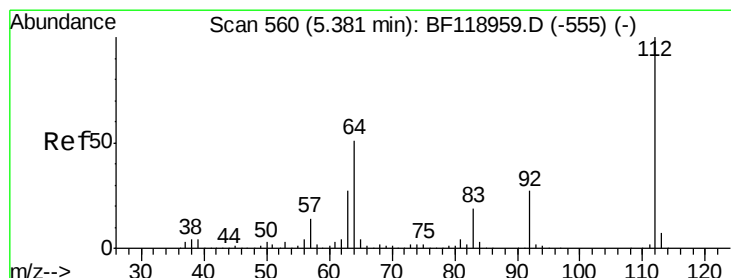
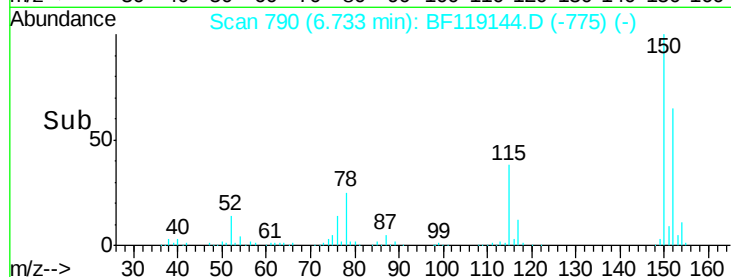
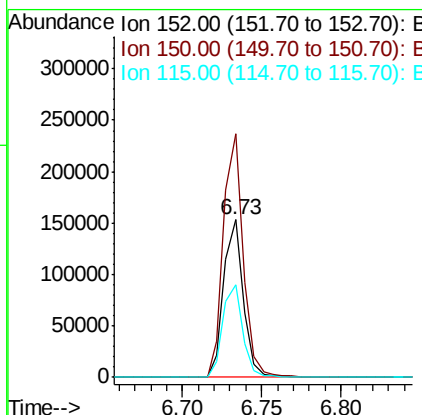
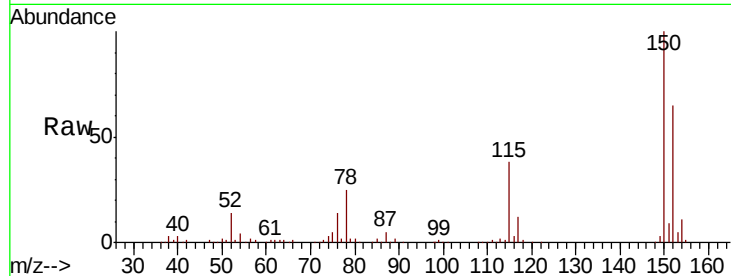


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

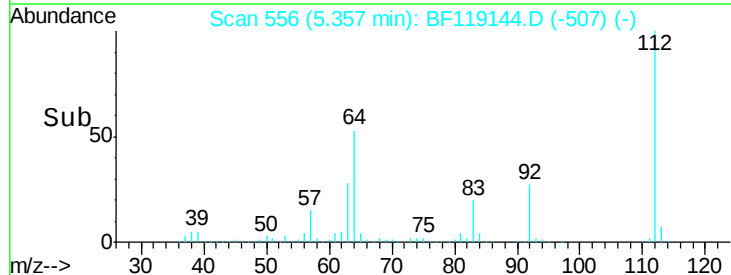
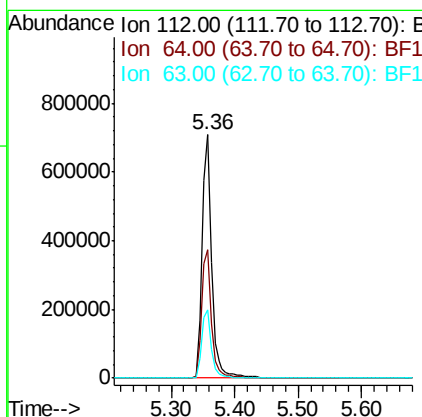
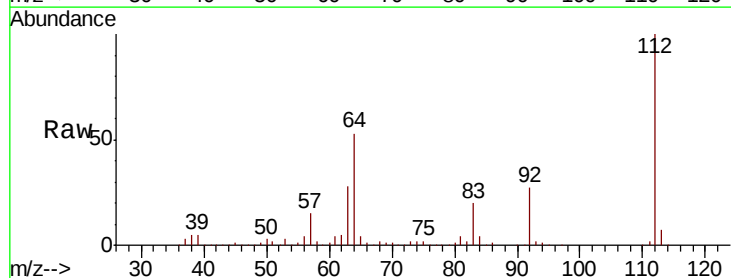
Tot Ion	152	Resp	131854
Ion Ratio	Lower	Upper	
152	100		
150	154.8	123.0	184.6
115	58.9	49.5	74.3

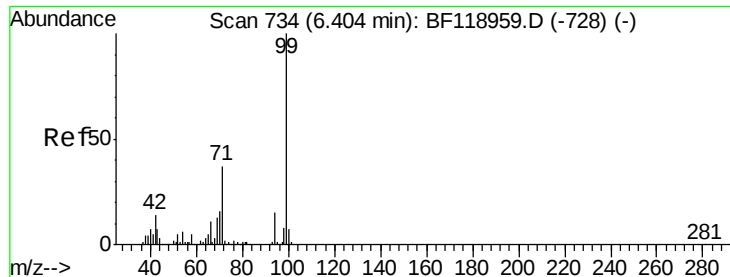


#5

2-Fluorophenol
 Concen: 92.845 ng
 RT: 5.36 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	112	Resp	732539
Ion Ratio	Lower	Upper	
112	100		
64	53.0	45.0	67.4
63	28.2	24.2	36.4





#7

Phenol-d6

Concen: 93.388 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

VNJ-232

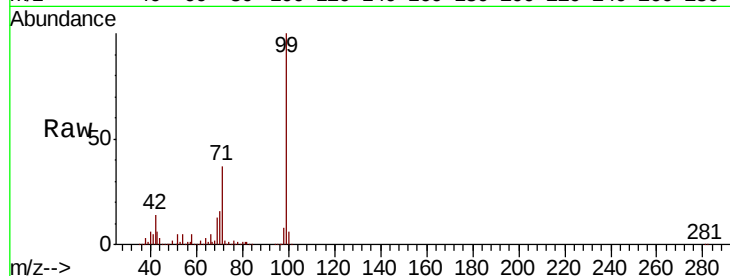
Tot Ion: 99 Resp: 896114

Ion Ratio Lower Upper

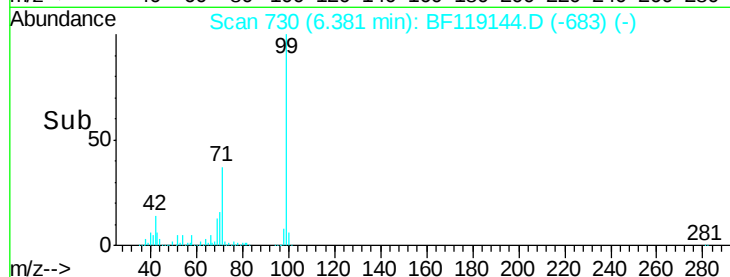
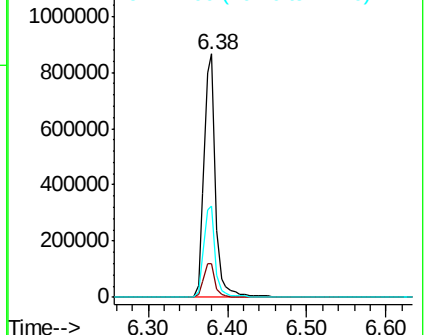
99 100

42 13.8 12.6 18.8

71 37.4 31.0 46.4



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: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Tgt Ion: 136 Resp: 509991

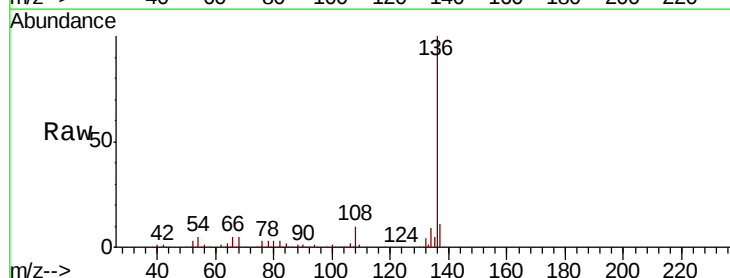
Ion Ratio Lower Upper

136 100

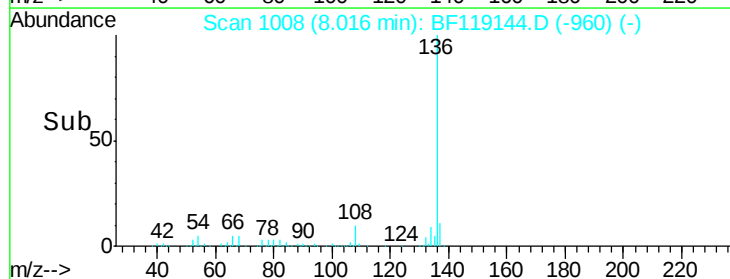
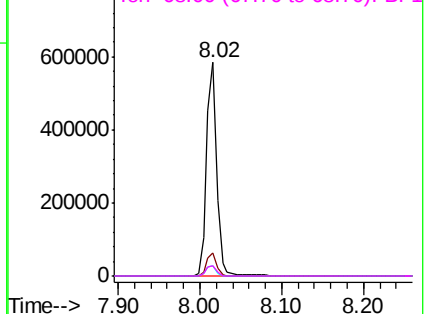
137 10.6 8.8 13.2

54 4.5 3.8 5.6

68 4.7 3.9 5.9



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

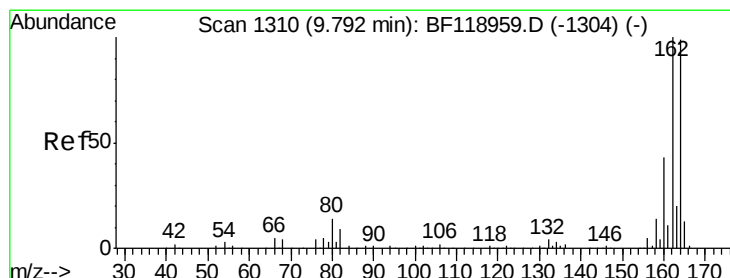
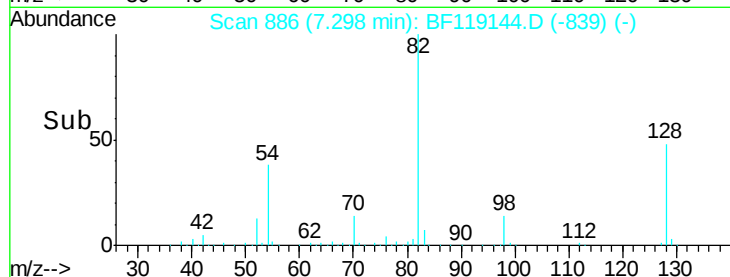
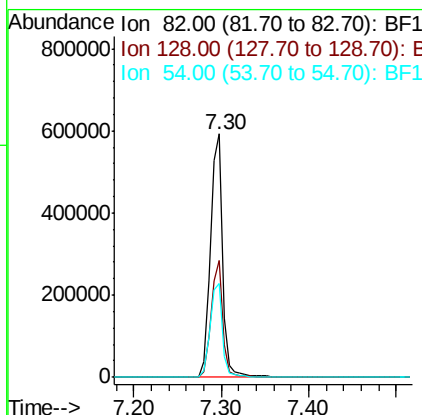
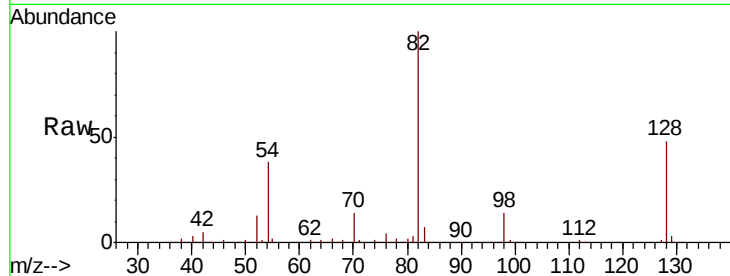




#23
 Nitrobenzene-d5
 Concen: 59.794 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

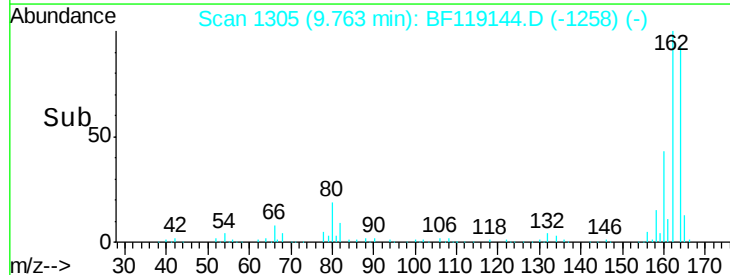
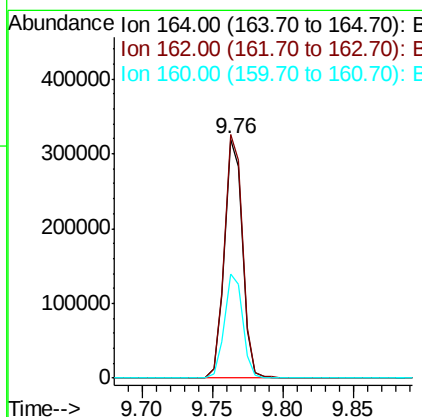
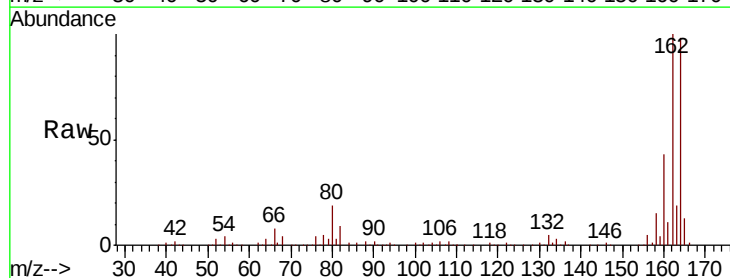
Instrument :
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 ClientSampleId :
 VNJ-232

Tot Ion	82	Resp	577546
Ion Ratio	Lower	Upper	
82	100		
128	48.2	37.9	56.9
54	38.4	33.4	50.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	164	Resp	283193
Ion Ratio	Lower	Upper	
164	100		
162	102.1	81.8	122.8
160	43.6	36.0	54.0

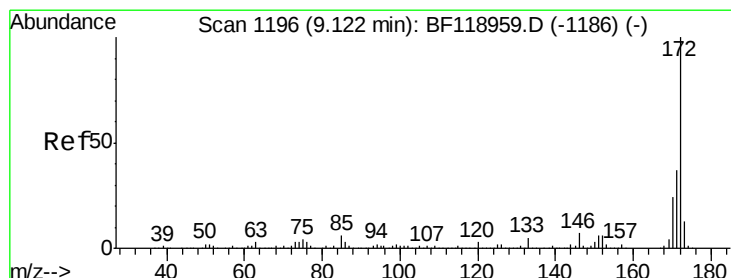
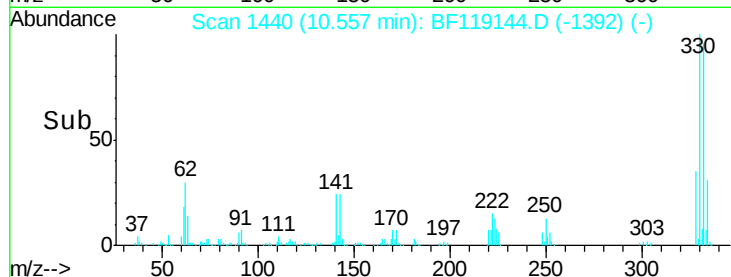
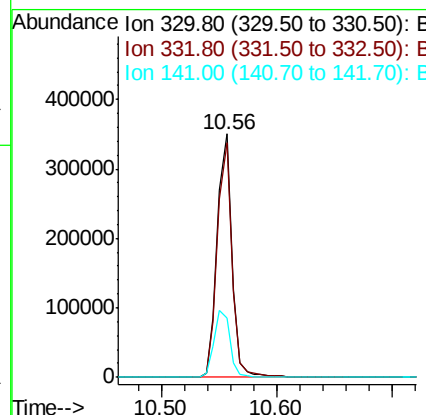
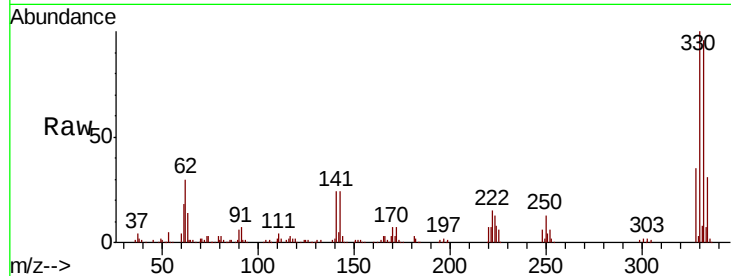




#42
 2,4,6-Tribromophenol
 Concen: 85.149 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

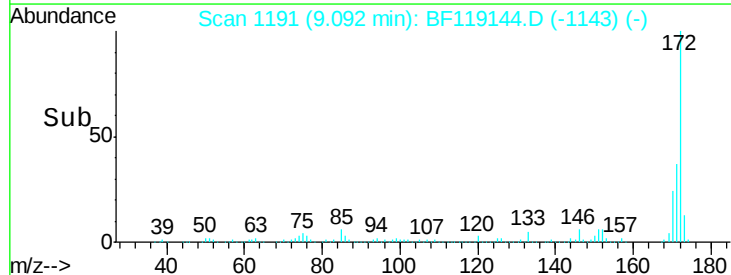
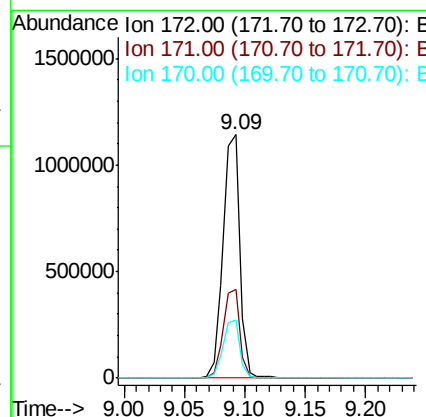
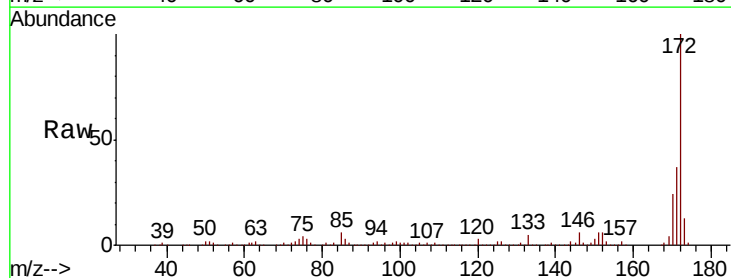
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

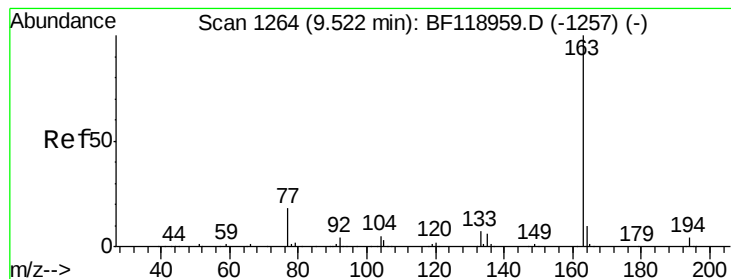
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.0	114.0
141	29.7	22.9	34.3



#45
 2-Fluorobiphenyl
 Concen: 56.868 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	24.0	20.2	30.2





#50

Dimethylphthalate

Concen: 7.917 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

VNJ-232

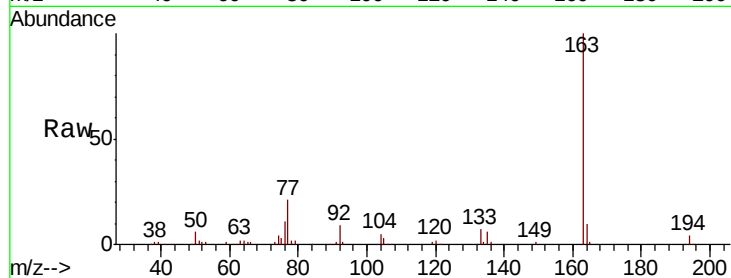
Tot Ion:163 Resp: 171444

Ion Ratio Lower Upper

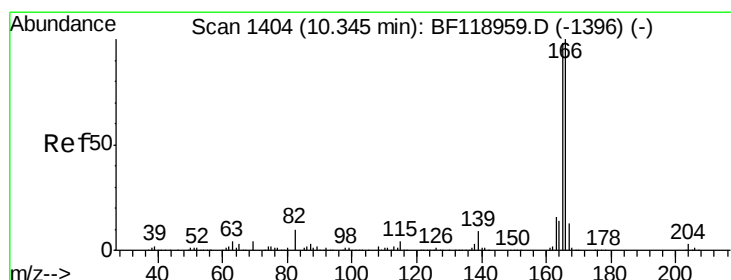
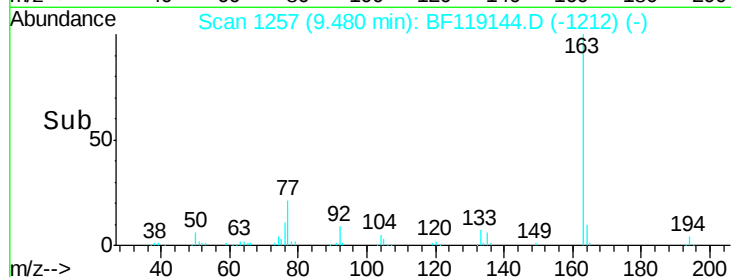
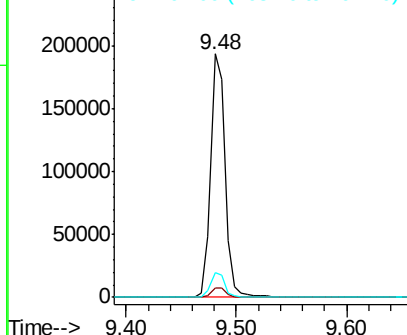
163 100

194 4.0 3.5 5.3

164 10.3 8.4 12.6



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: 2.260 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

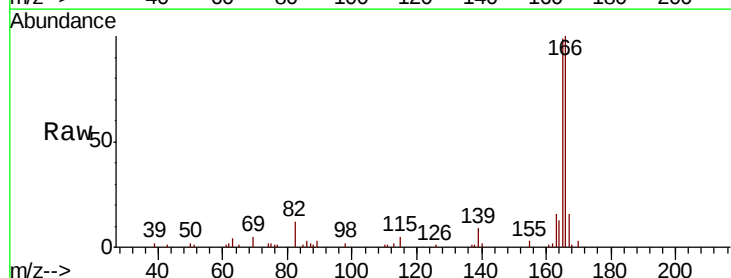
Tgt Ion:166 Resp: 42098

Ion Ratio Lower Upper

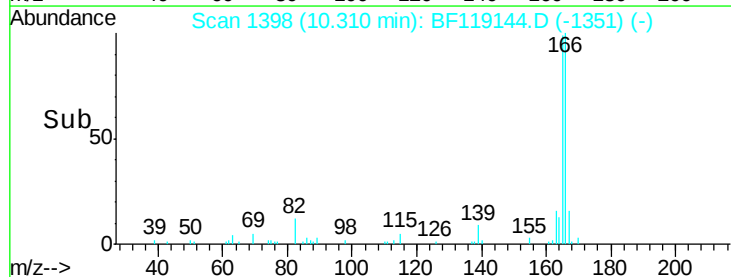
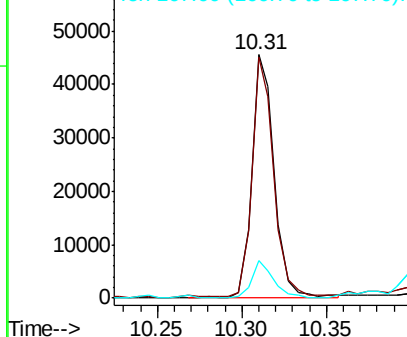
166 100

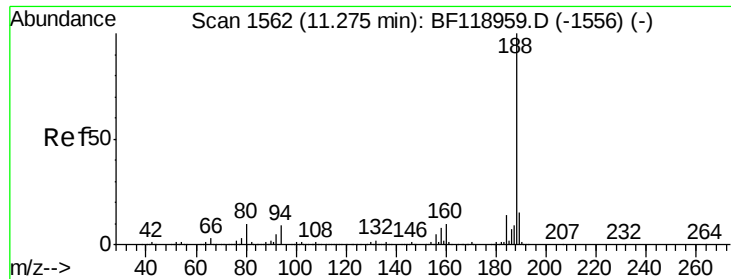
165 98.8 78.5 117.7

167 15.7 11.0 16.4



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

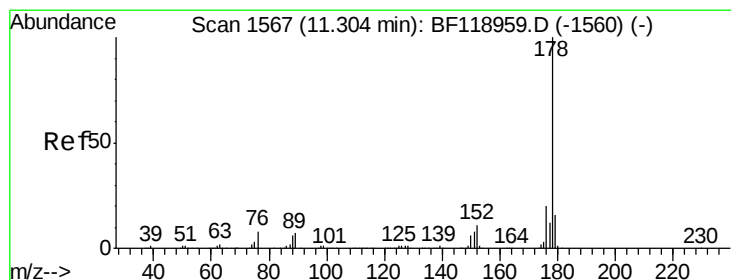
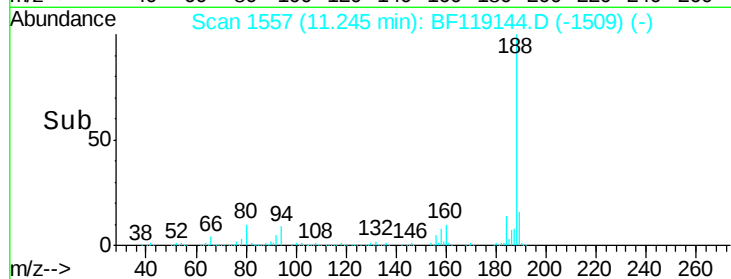
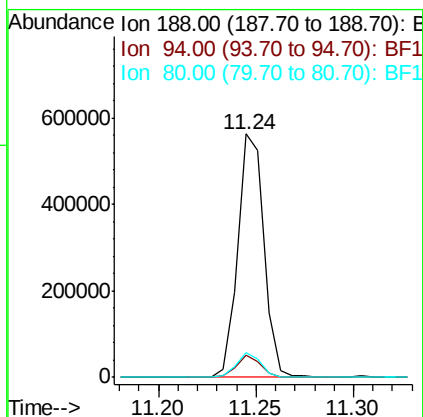
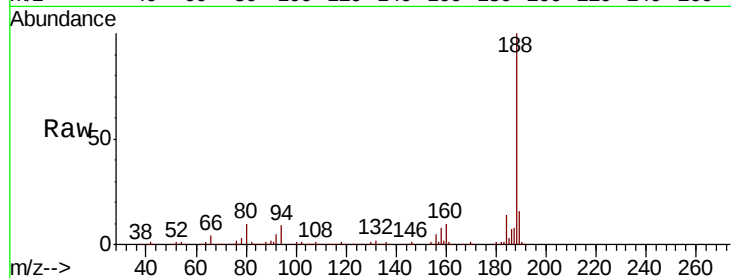




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

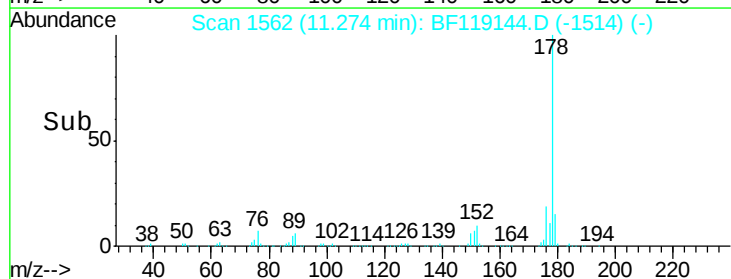
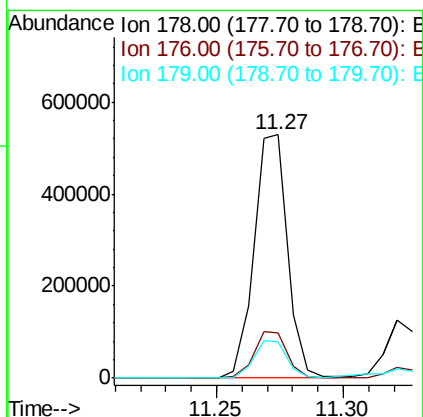
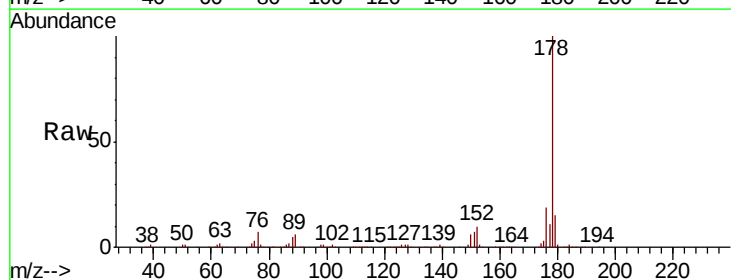
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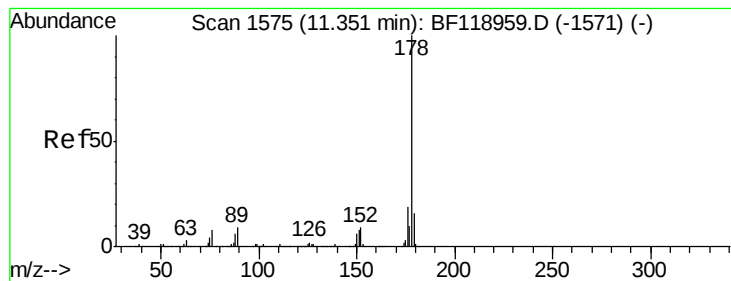
Tot Ion:188 Resp: 523487
Ion Ratio Lower Upper
188 100
94 9.0 7.1 10.7
80 10.3 7.8 11.8



#71
Phenanthrene
Concen: 17.118 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion:178 Resp: 488681
Ion Ratio Lower Upper
178 100
176 18.8 16.5 24.7
179 15.0 13.0 19.6





#72

Anthracene

Concen: 3.900 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

VNJ-232

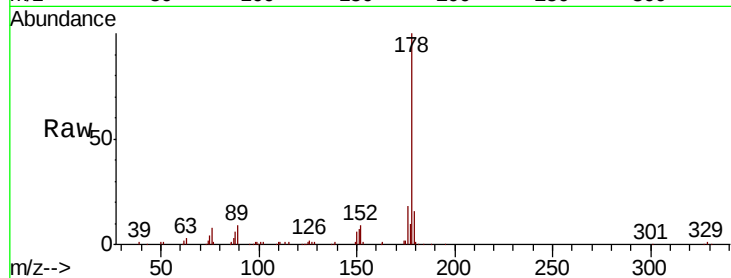
Tot Ion:178 Resp: 111256

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

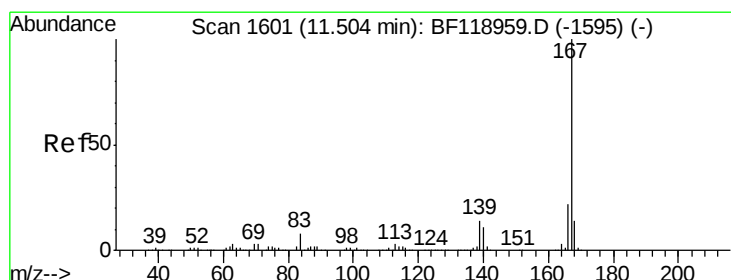
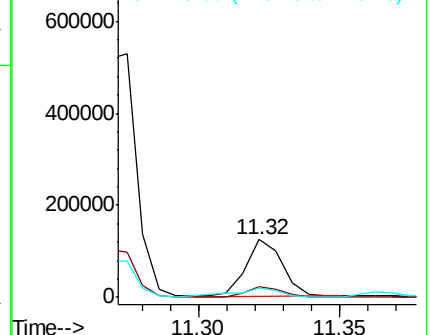
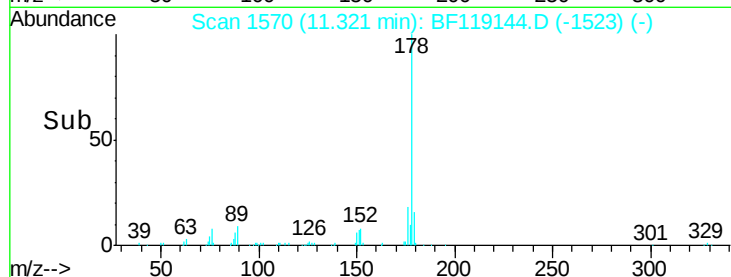
179 16.4 13.1 19.7



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



#73

Carbazole

Concen: 2.640 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

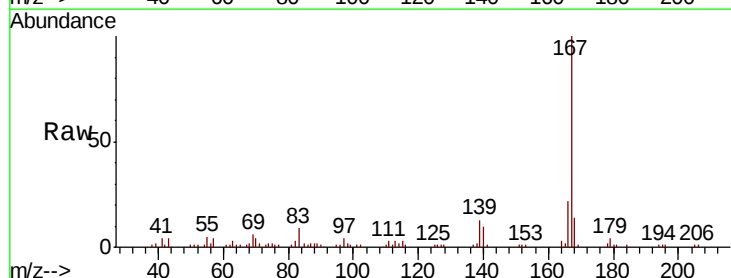
Tgt Ion:167 Resp: 67097

Ion Ratio Lower Upper

167 100

166 22.0 18.2 27.4

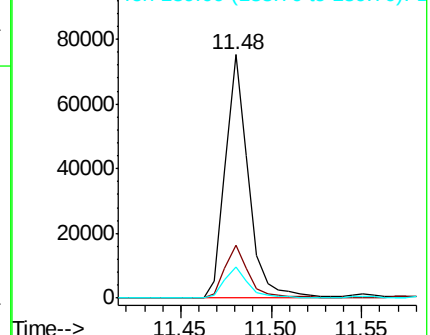
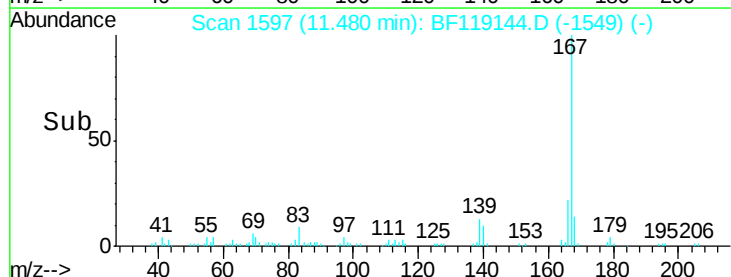
139 12.9 11.7 17.5

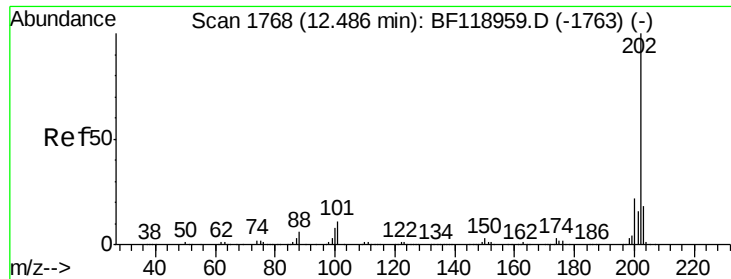


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 18.041 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

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VNJ-232

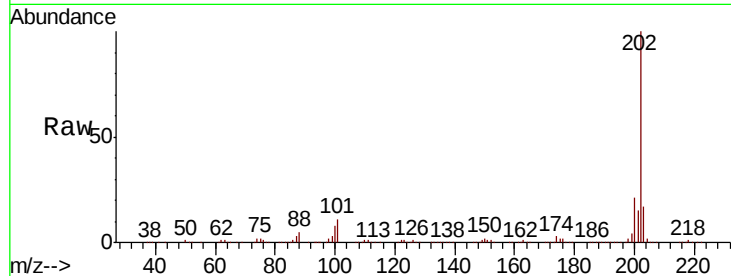
Tot Ion:202 Resp: 546708

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

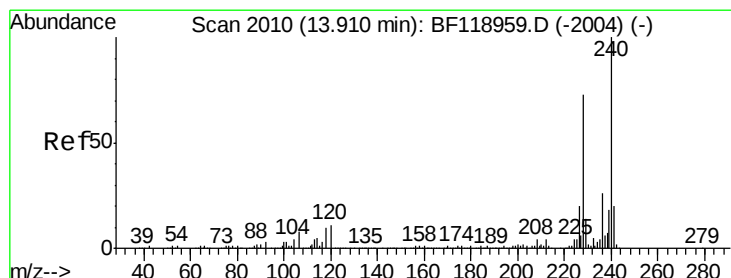
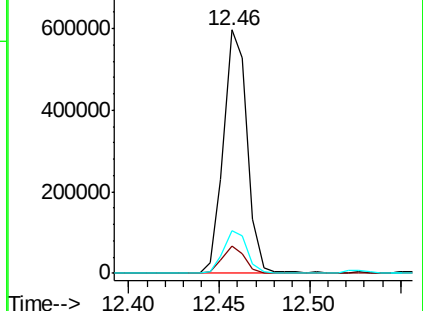
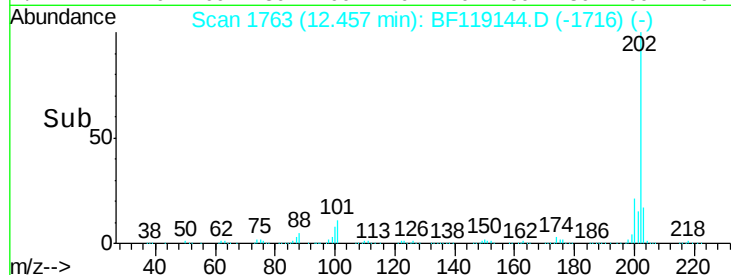
203 17.4 0.0 38.4



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: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

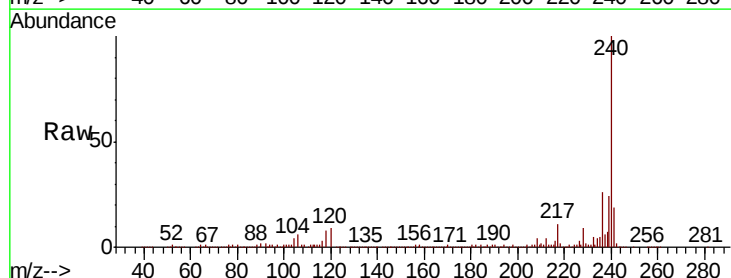
Tgt Ion:240 Resp: 331641

Ion Ratio Lower Upper

240 100

120 8.7 8.4 12.6

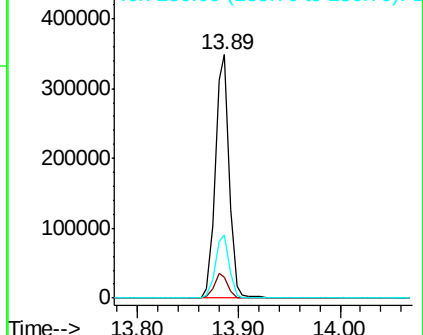
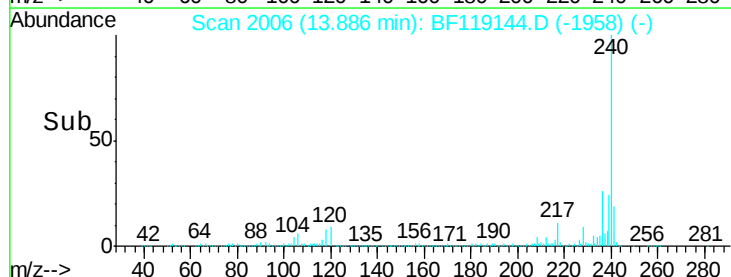
236 25.8 21.0 31.4

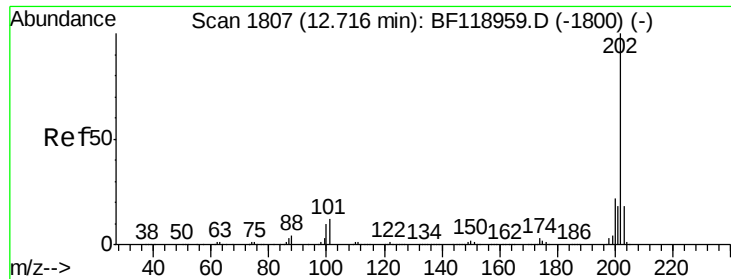


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

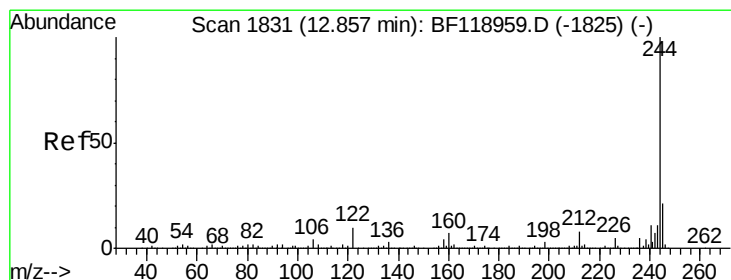
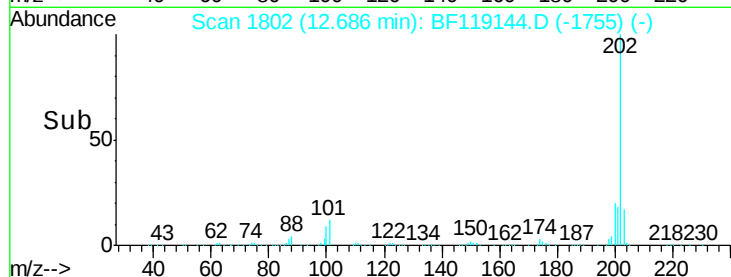
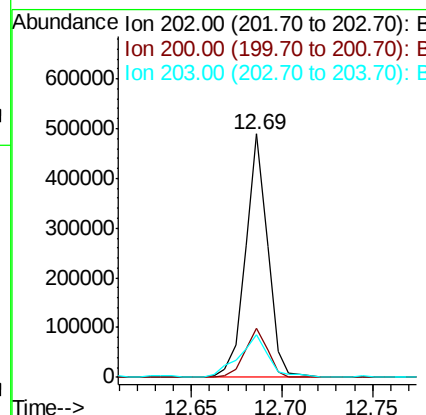
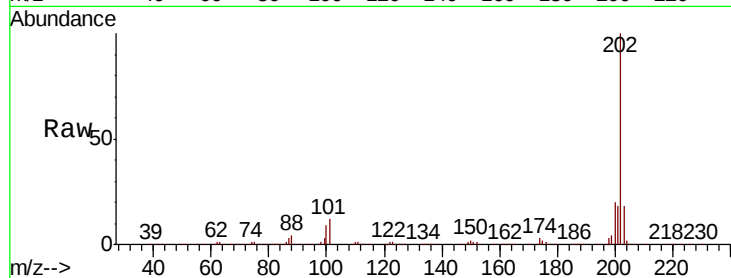




#78
Pvrene
Concen: 15.545 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

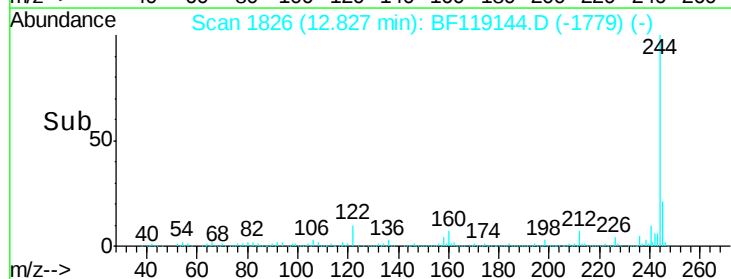
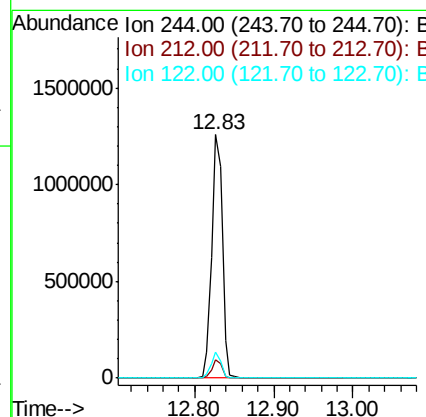
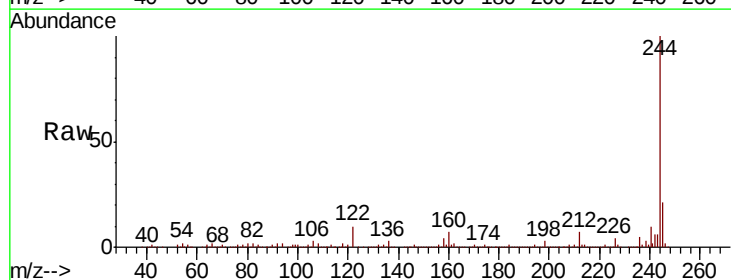
Instrument :
BNA_F
ClientSampleId :
VNJ-232

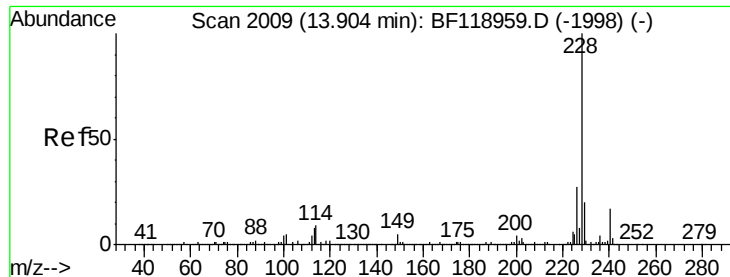
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	18.0	27.0
203	17.5	14.6	22.0



#79
Terphenyl-d14
Concen: 61.677 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	10.0
122	10.5	8.2	12.2

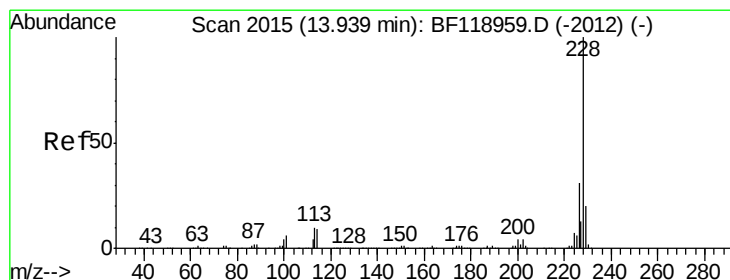
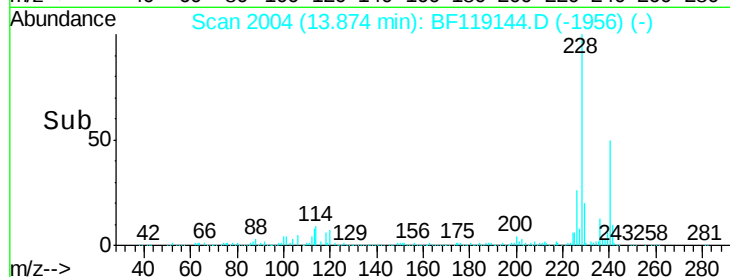
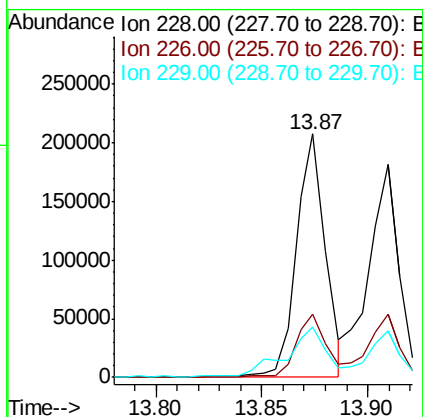
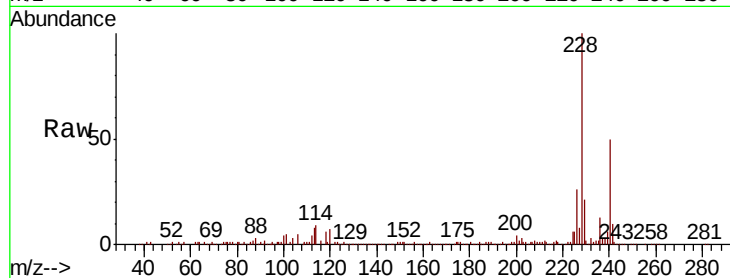




#81
Benzo(a)anthracene
Concen: 8.641 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

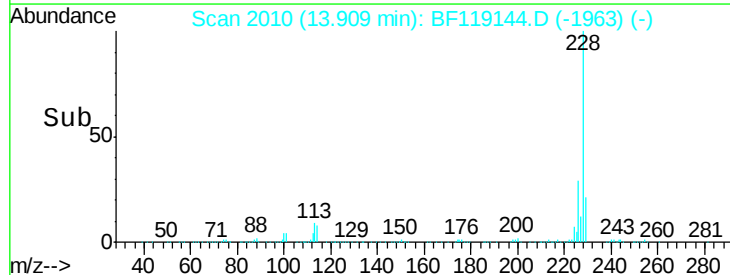
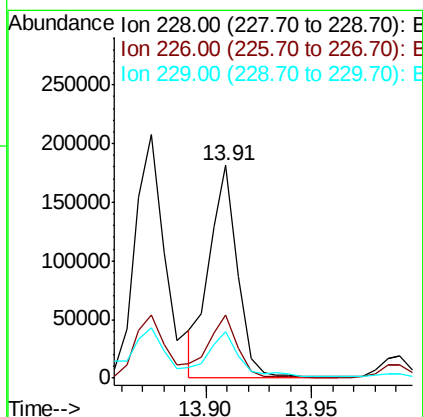
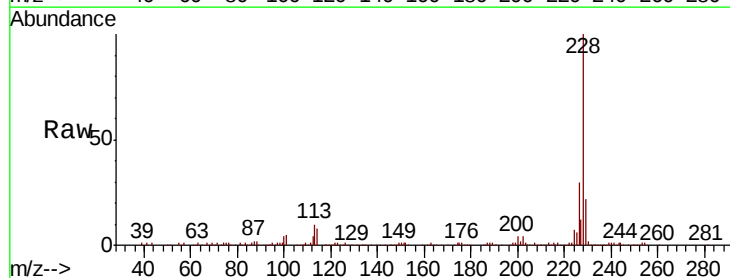
Instrument :
BNA_F
ClientSampleId :
VNJ-232

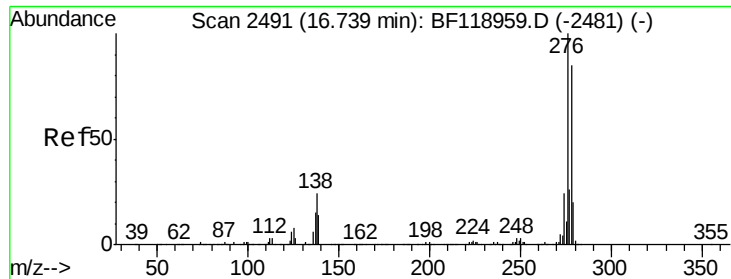
Tot Ion:228 Resp: 195250
Ion Ratio Lower Upper
228 100
226 25.9 22.6 33.8
229 20.8 16.6 24.8



#83
Chrysene
Concen: 7.469 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion:228 Resp: 168161
Ion Ratio Lower Upper
228 100
226 29.5 25.1 37.7
229 22.0 16.3 24.5

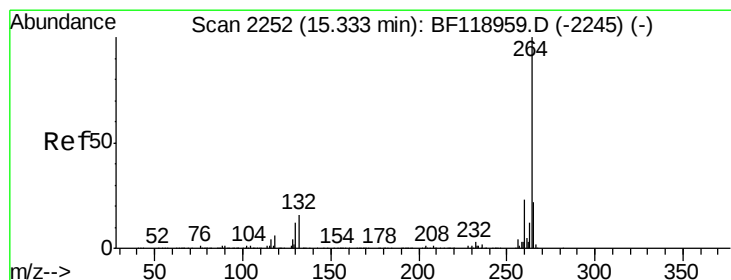
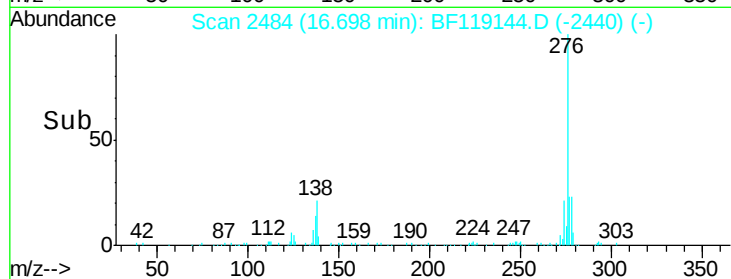
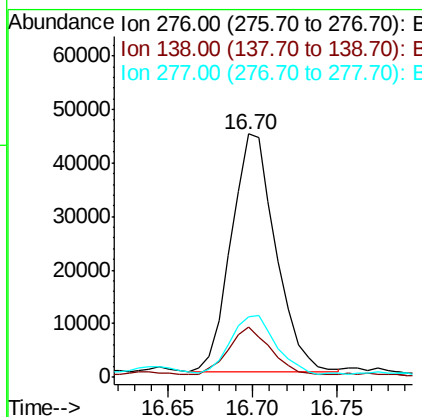
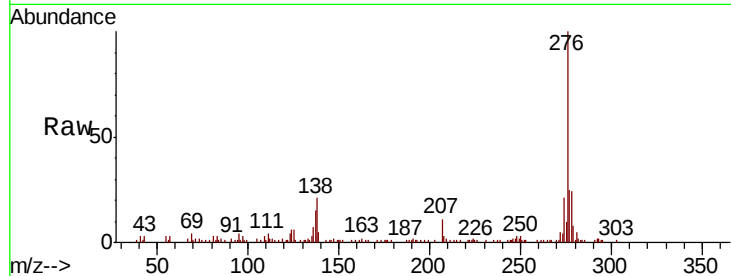




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.736 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. -0.04 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

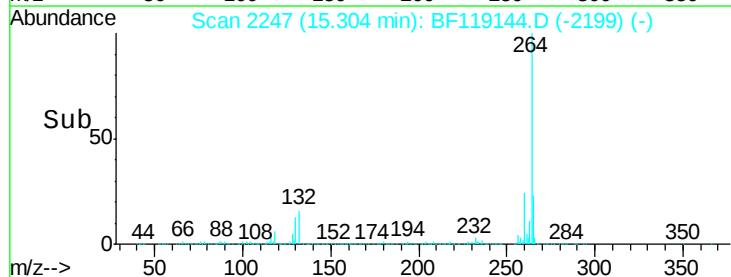
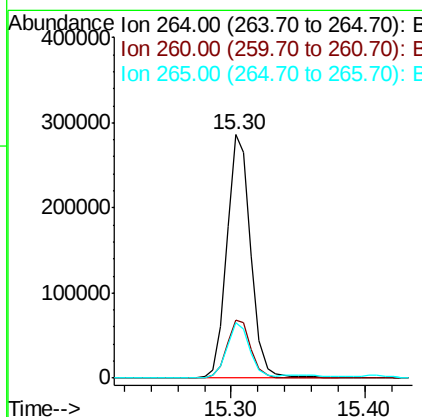
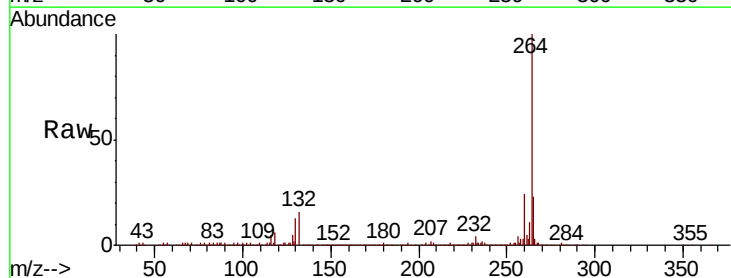
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

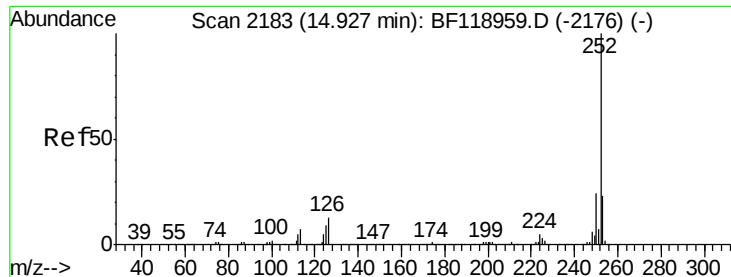
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.4	26.0
277	24.5	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.7	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 9.635 ng m

RT: 14.90 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

VNJ-232

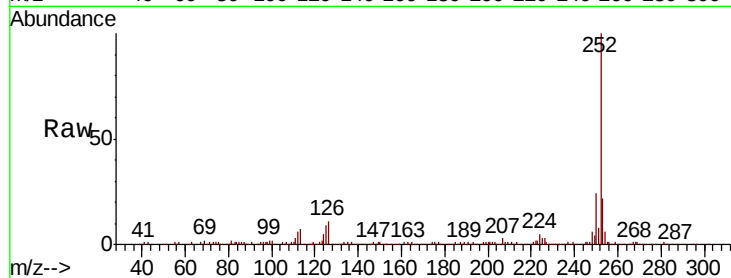
Tot Ion:252 Resp: 228534

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

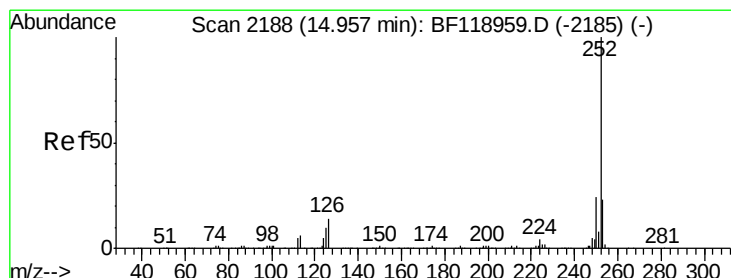
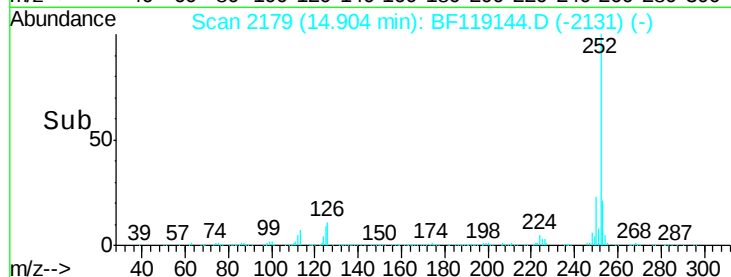
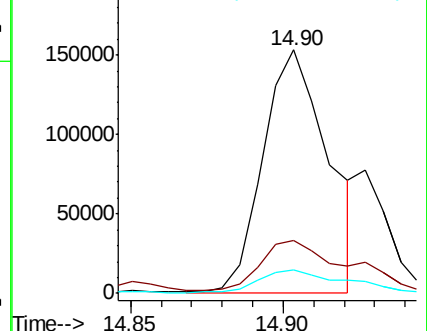
125 9.5 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.573 ng m

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

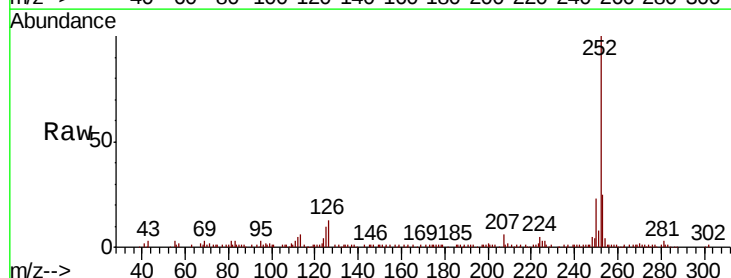
Tgt Ion:252 Resp: 56548

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

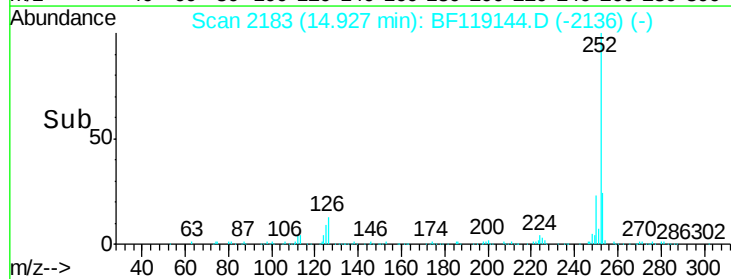
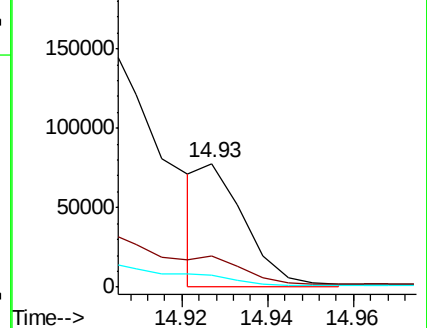
125 10.0 7.5 11.3

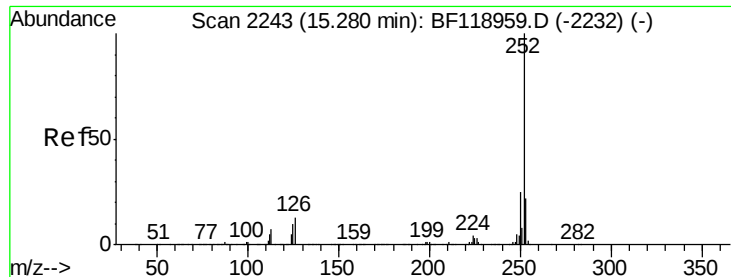


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.804 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

VNJ-232

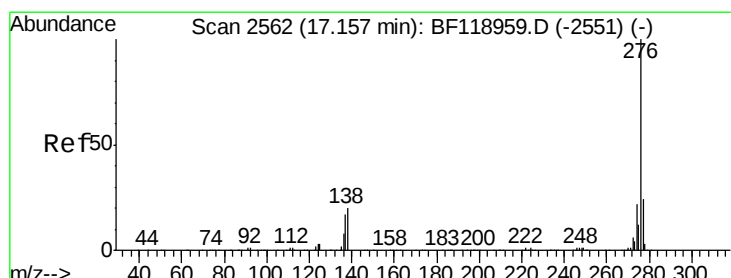
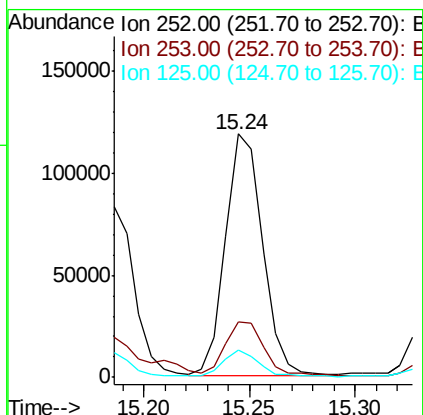
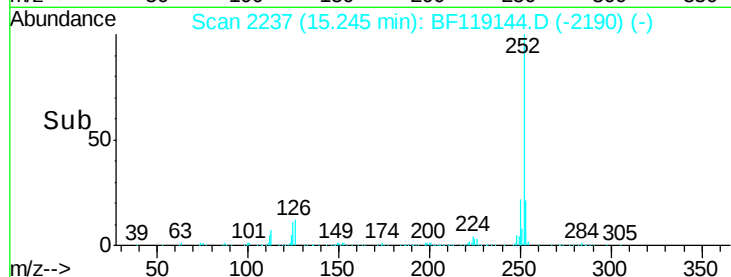
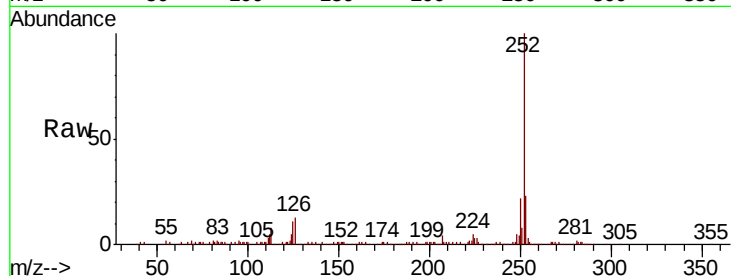
Tot Ion:252 Resp: 145650

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 11.3 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 3.982 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.04 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Tgt Ion:276 Resp: 74113

Ion Ratio Lower Upper

276 100

277 26.8 18.7 28.1

138 17.9 14.3 21.5

