

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
 Data File : BF119095.D
 Acq On : 26 Feb 2020 15:24
 Operator : CG/JU
 Sample : L1678-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Manual Integrations
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Quant Time: Feb 26 16:39:41 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	158254	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	601142	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	312505	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	508965	20.00	ng	0.00
76) Chrysene-d12	13.89	240	317035	20.00	ng	-0.01
87) Perylene-d12	15.32	264	374546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	876281	92.54	ng	0.00
7) Phenol-d6	6.39	99	1064314	92.41	ng	-0.01
23) Nitrobenzene-d5	7.31	82	710511	62.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	337317	82.51	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	1325746	62.50	ng	-0.01
79) Terphenyl-d14	12.84	244	1151008	62.51	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.49	163	93555	3.915	ng	99
71) Phenanthrene	11.28	178	367729	13.248	ng	98
72) Anthracene	11.33	178	102530	3.697	ng	97
75) Fluoranthene	12.47	202	649697	22.052	ng	98
78) Pyrene	12.70	202	521455	20.483	ng	98
81) Benzo(a)anthracene	13.89	228	207693	9.615	ng	99
83) Chrysene	13.92	228	197725	9.186	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	113684	5.455	ng	94
88) Benzo(b)fluoranthene	14.92	252	240951m	9.760	ng	
89) Benzo(k)fluoranthene	14.94	252	72267m	3.159	ng	
90) Benzo(a)pyrene	15.26	252	162978	7.314	ng	# 97
92) Benzo(a,h,i)perylene	17.14	276	111520	5.757	ng	94

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

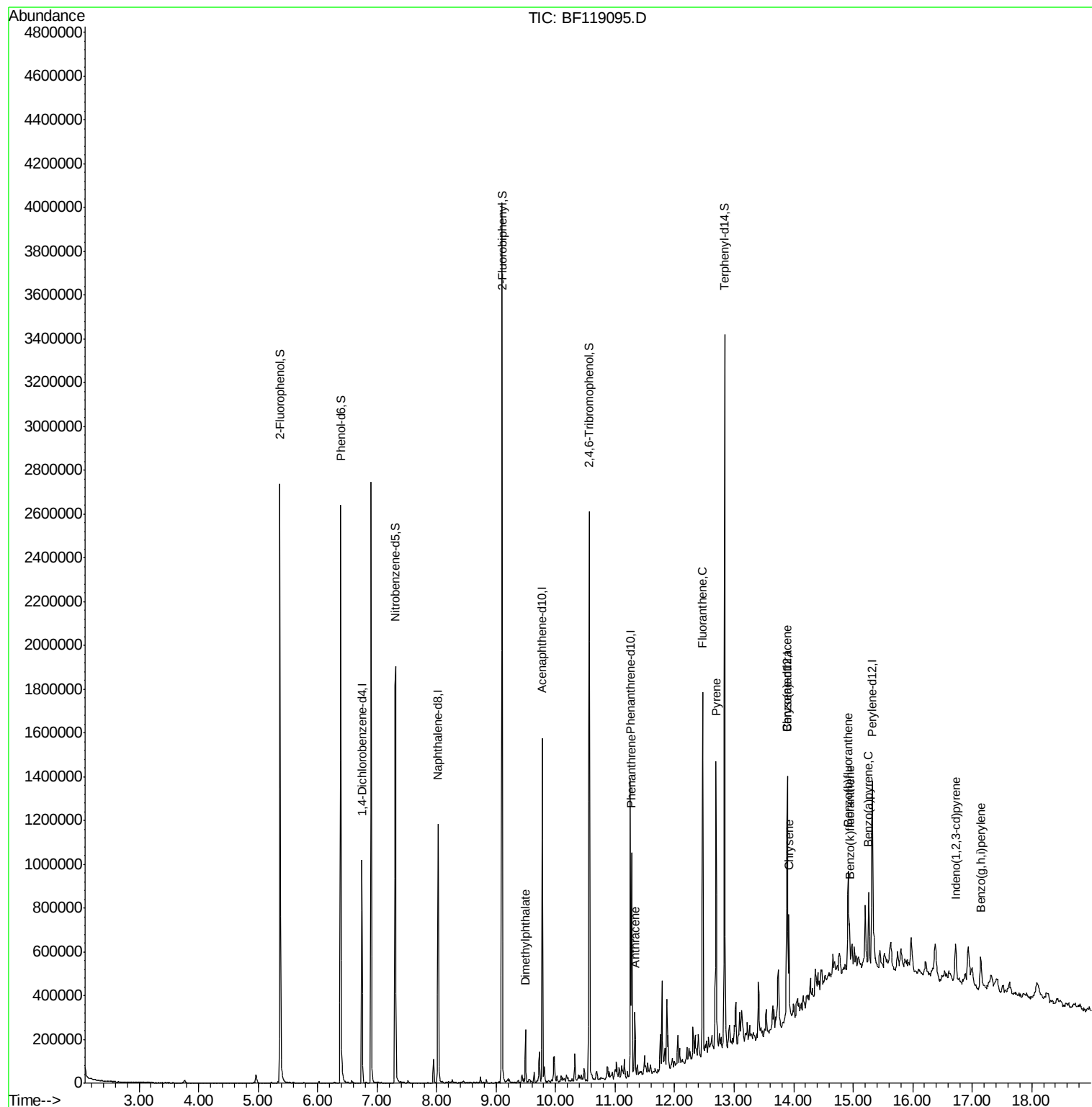
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
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Acq On : 26 Feb 2020 15:24
Operator : CG/JU
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#1

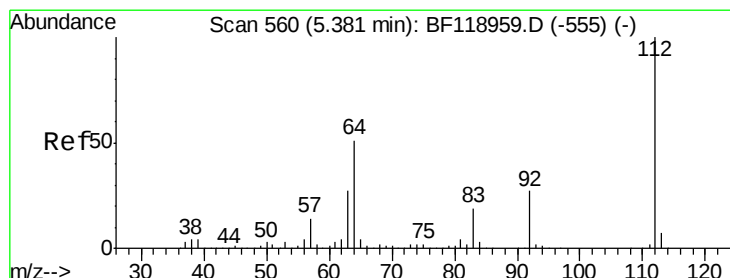
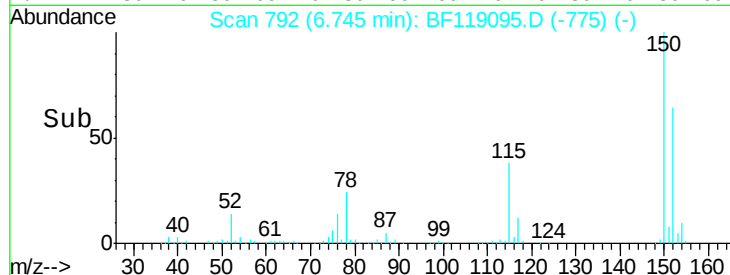
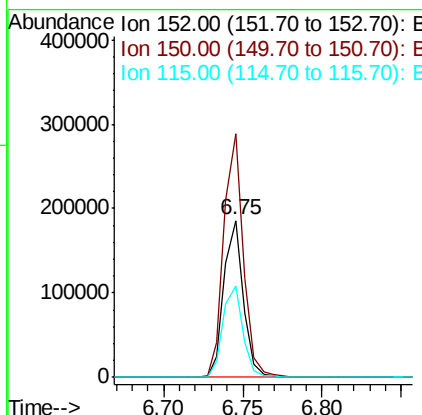
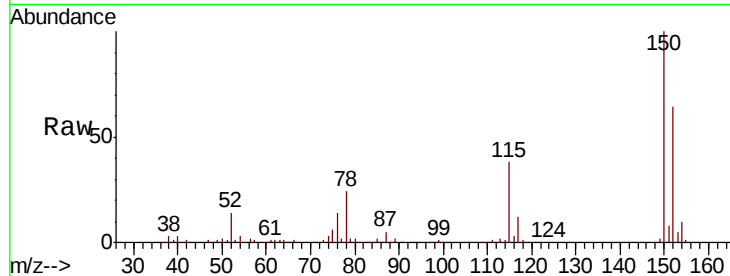
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.6
115	58.3	49.5	74.3

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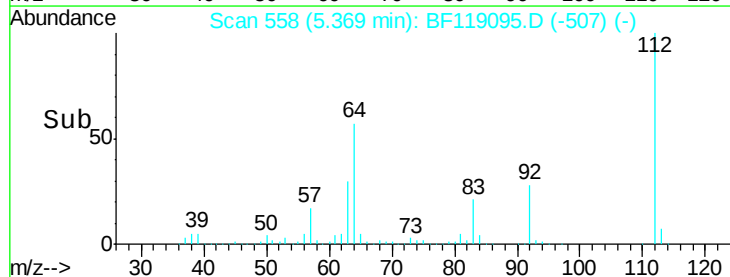
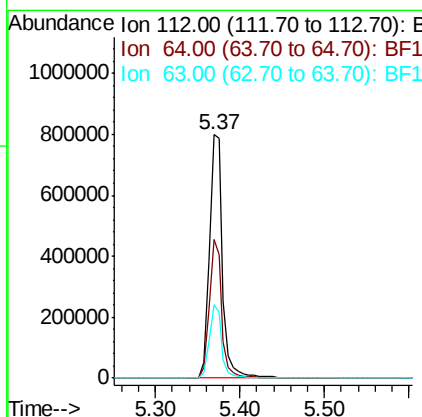
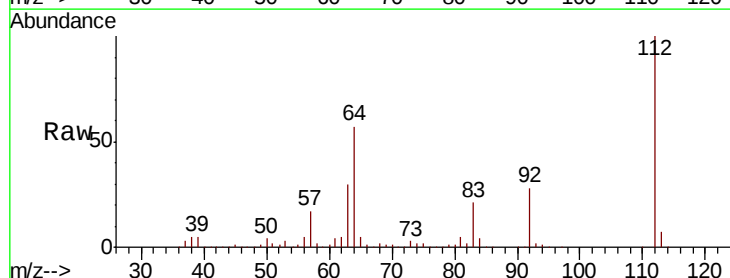
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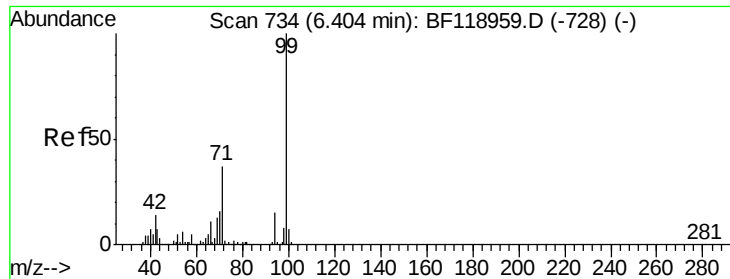


#5

2-Fluorophenol
Concen: 92.536 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	45.0	67.4
63	30.4	24.2	36.4





#7

Phenol-d6

Concen: 92.414 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Instrument :

BNA_F

ClientSampled :

VNJ-241

Tot Ion: 99 Resp: 1064314

Ion Ratio Lower Upper

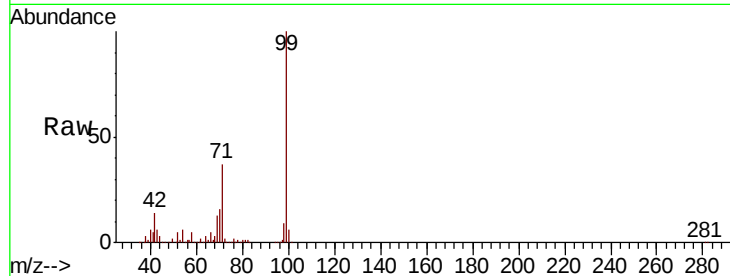
99 100

42 13.9 12.6 18.8

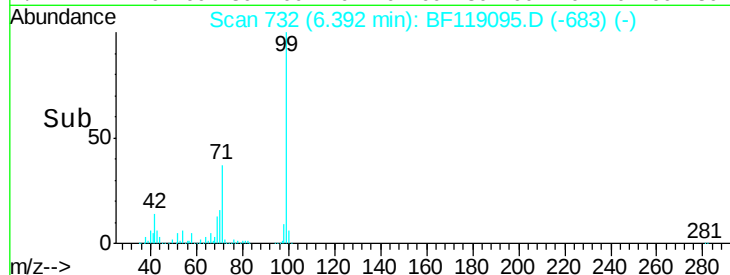
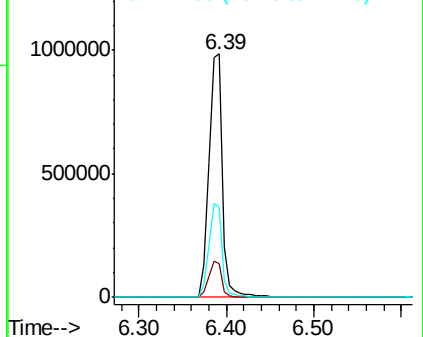
71 36.9 31.0 46.4

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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: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Tgt Ion: 136 Resp: 601142

Ion Ratio Lower Upper

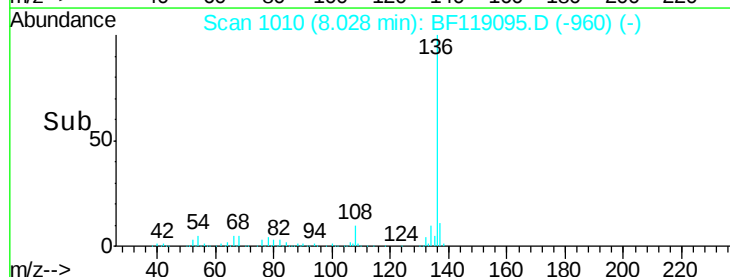
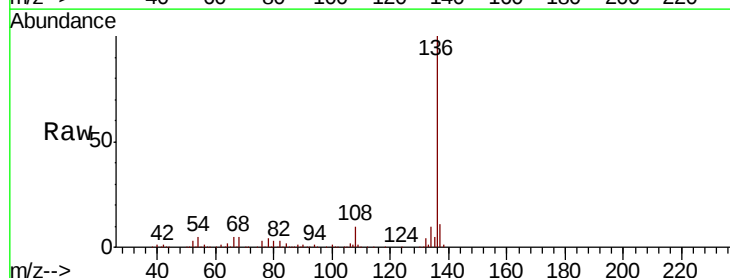
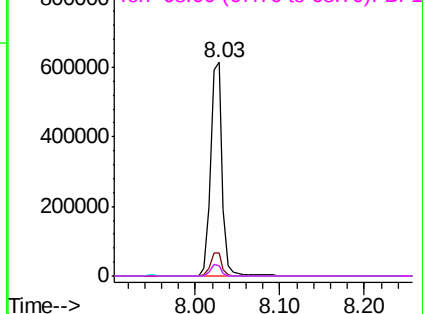
136 100

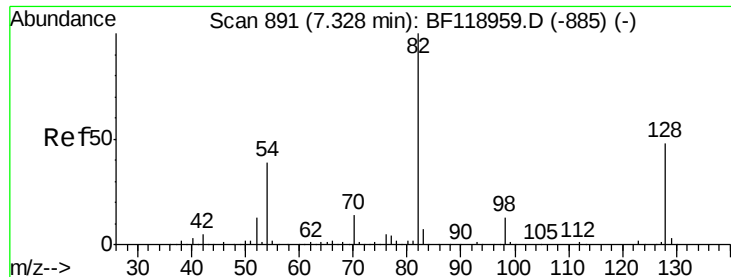
137 10.9 8.8 13.2

54 4.6 3.8 5.6

68 4.8 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





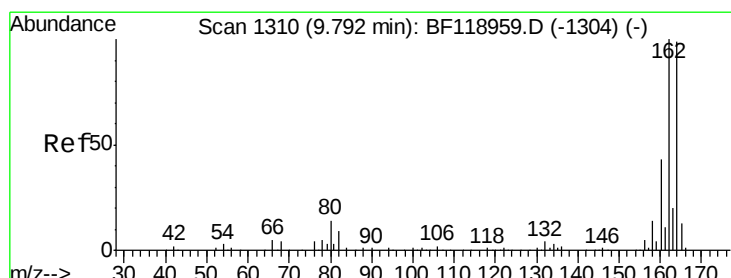
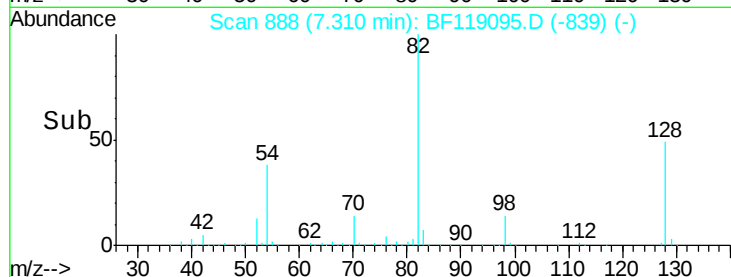
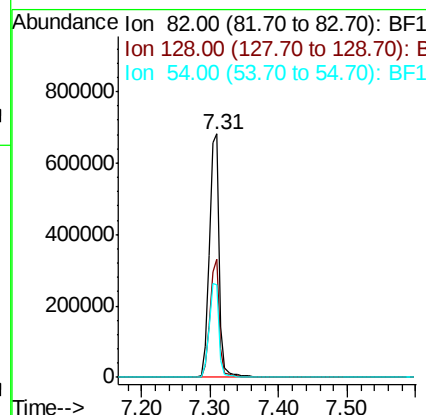
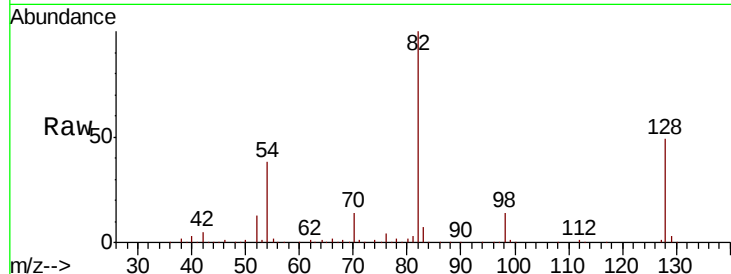
#23
 Nitrobenzene-d5
 Concen: 62.406 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF119095.D
 Acq: 26 Feb 2020 15:24

Instrument :
 BNA_F
 ClientSampled :
 VNJ-241

Tot Ion	82	Resp	710511
Ion Ratio	100	Lower	Upper
82	100		
128	48.8	37.9	56.9
54	38.2	33.4	50.2

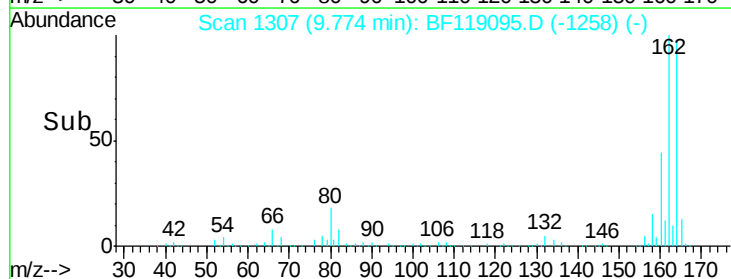
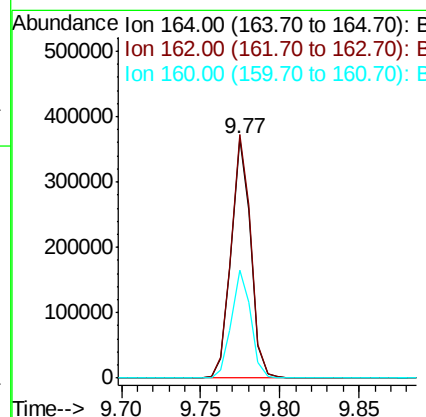
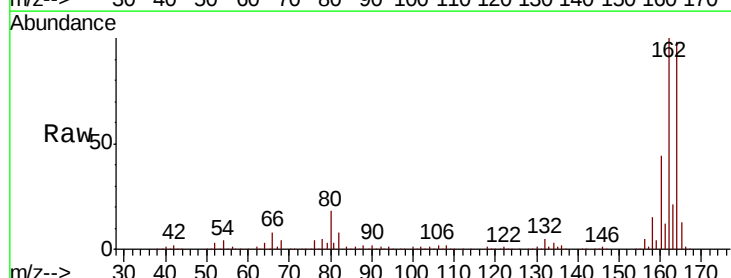
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF119095.D
 Acq: 26 Feb 2020 15:24

Tgt Ion	164	Resp	312505
Ion Ratio	100	Lower	Upper
164	100		
162	101.7	81.8	122.8
160	44.9	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 82.512 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Instrument :

BNA_F

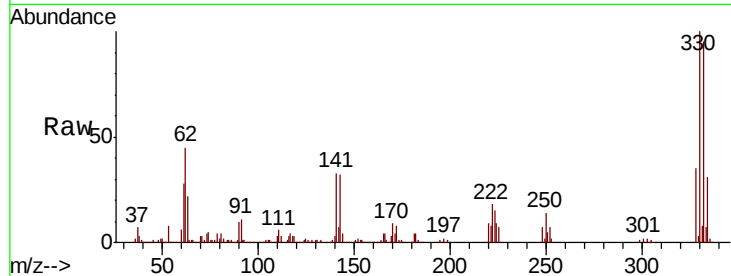
ClientSampled :

VNJ-241

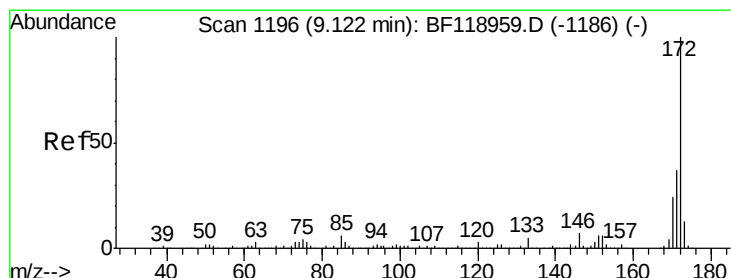
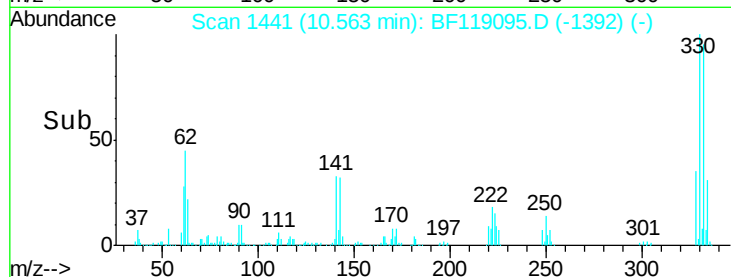
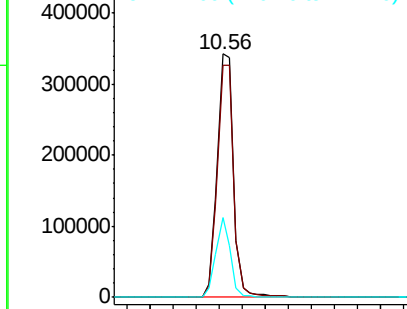
Tot Ion:	330	Resp:	337317
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.0	114.0
141	29.7	22.9	34.3

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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: 62.497 ng

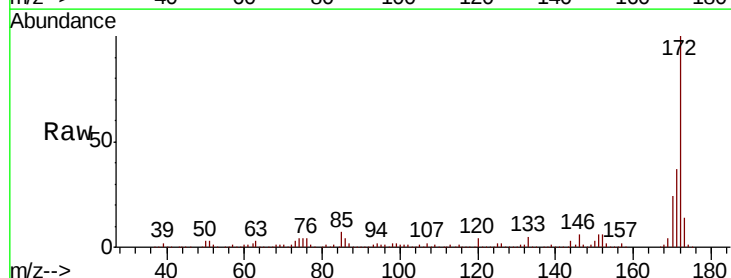
RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

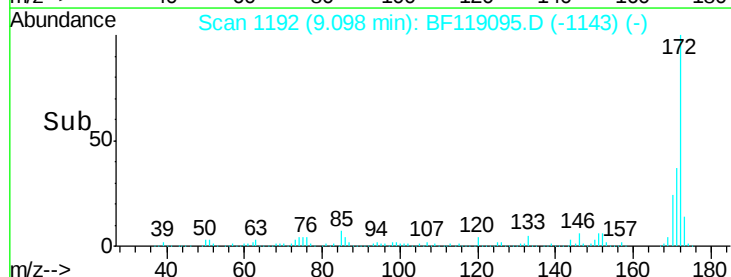
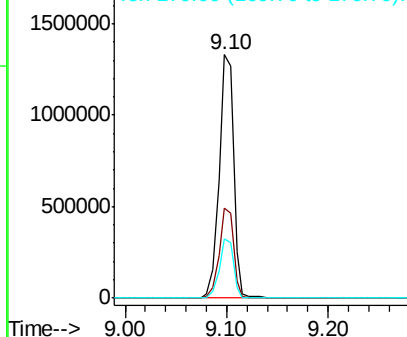
Lab File: BF119095.D

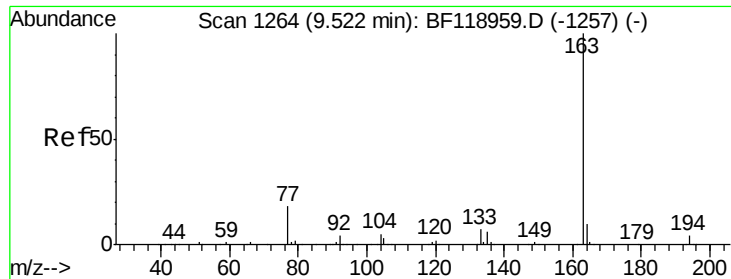
Acq: 26 Feb 2020 15:24

Tgt Ion:	172	Resp:	1325746
Ion Ratio	Lower	Upper	
172	100		
171	36.8	30.6	45.8
170	24.3	20.2	30.2



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





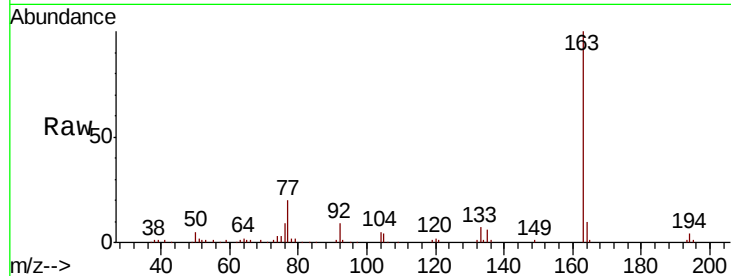
#50
Dimethylphthalate
Concen: 3.915 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Resp	Lower	Upper
163	100	93555		
194	4.3		3.5	5.3
164	9.9		8.4	12.6

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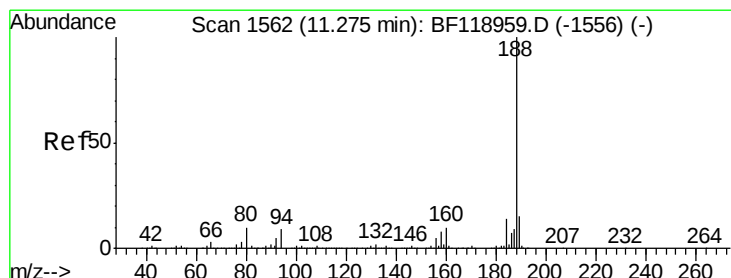
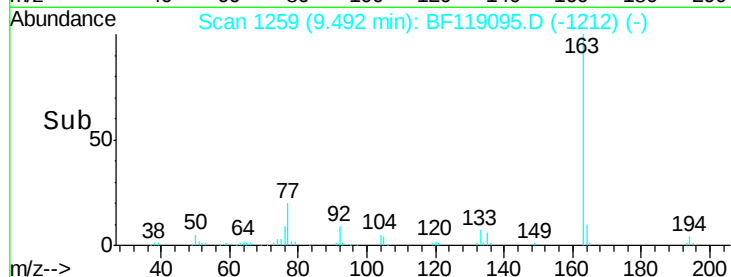
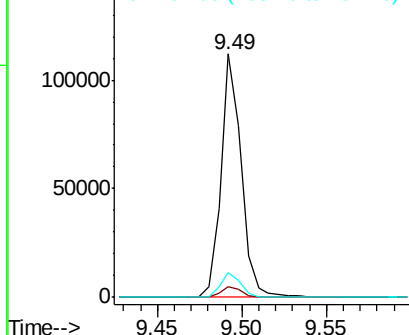


Abundance

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# 1559
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

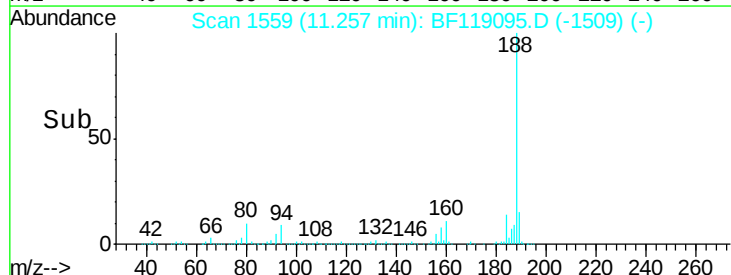
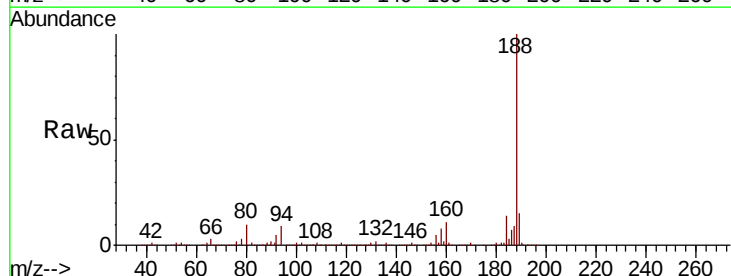
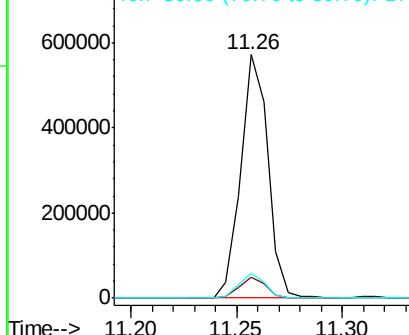
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	508965		
94	8.5		7.1	10.7
80	10.0		7.8	11.8

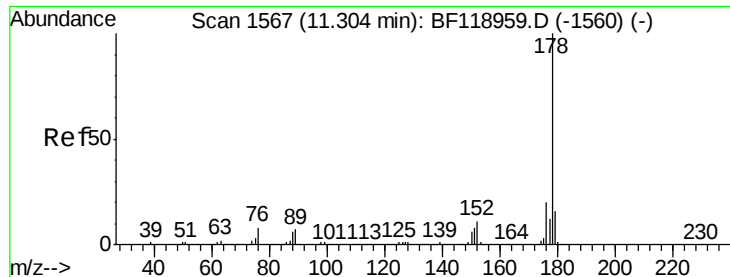
Abundance

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





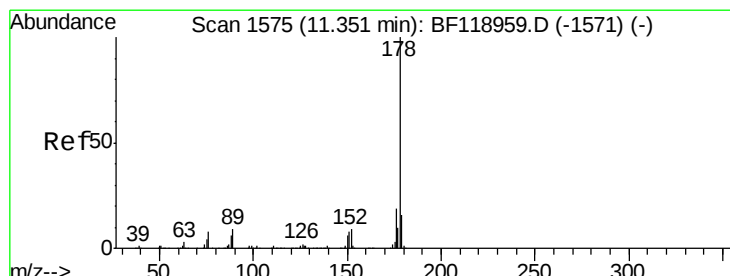
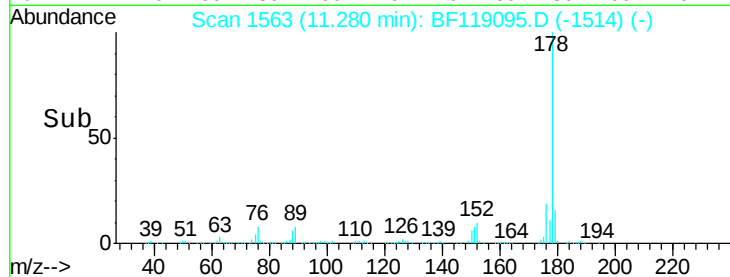
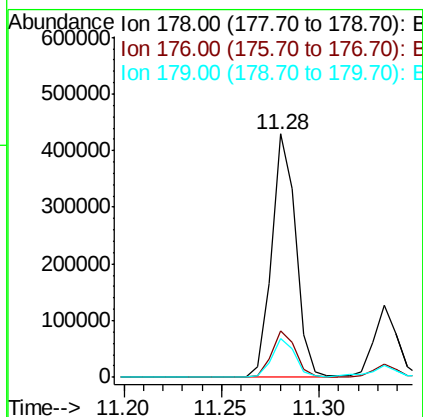
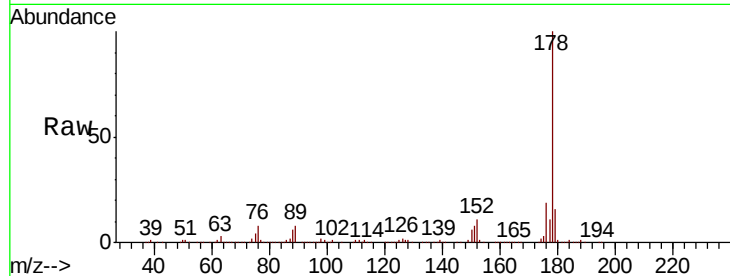
#71
Phenanthrene
Concen: 13.248 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.5	24.7
179	15.7	13.0	19.6

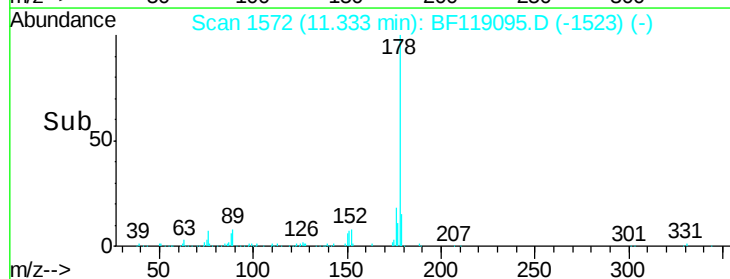
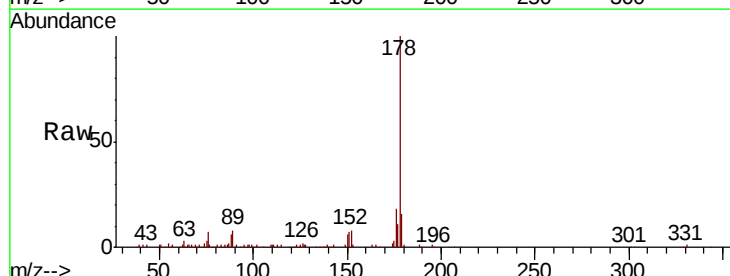
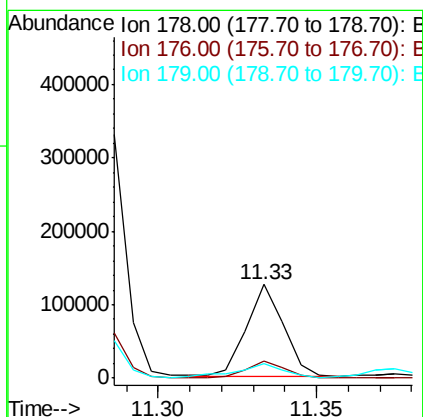
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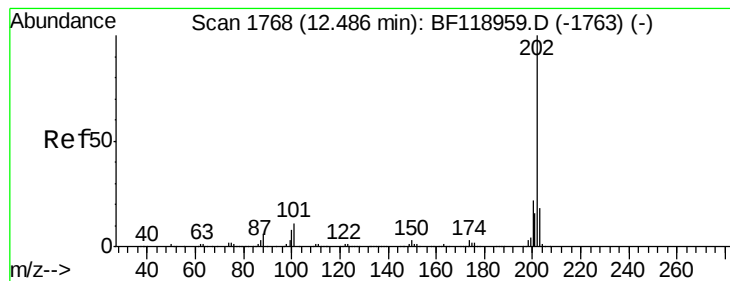
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#72
Anthracene
Concen: 3.697 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.0	24.0
179	15.8	13.1	19.7





#75

Fluoranthene

Concen: 22.052 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Instrument :

BNA_F

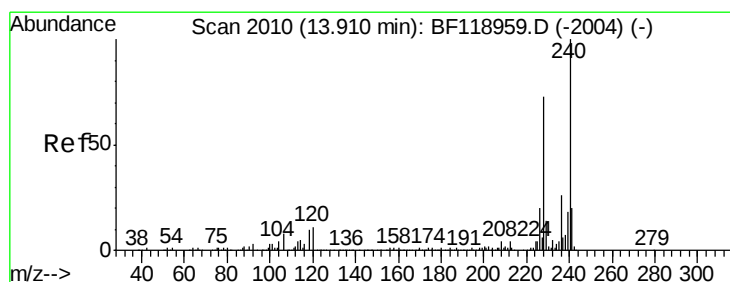
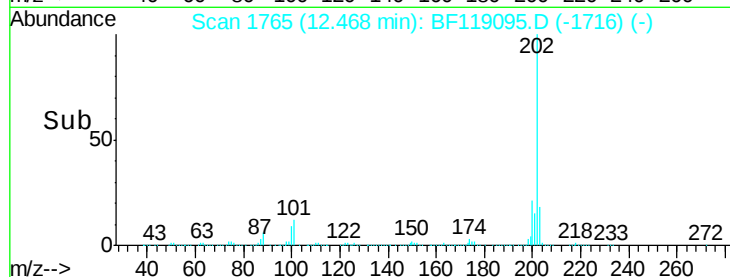
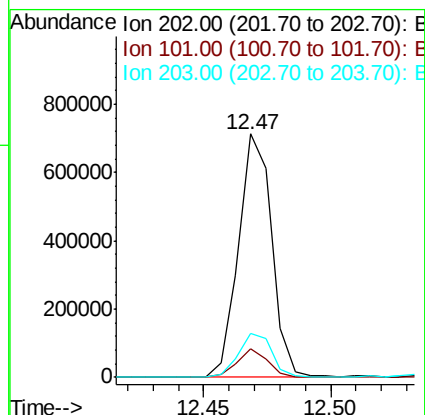
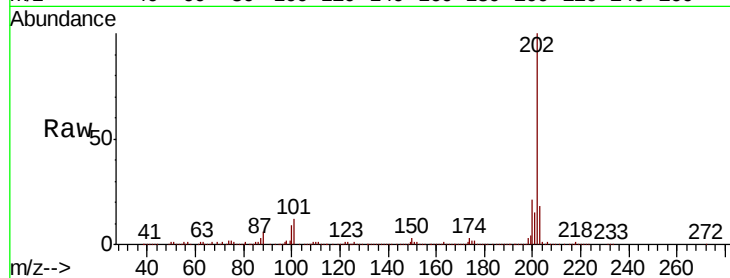
ClientSampleId :

VNJ-241

Tot Ion	Ratio	Resp	Lower	Upper
202	100	649697		
101	11.7	0.0	30.3	
203	18.1	0.0	38.4	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

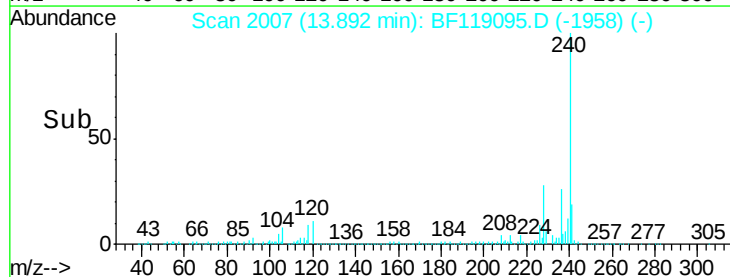
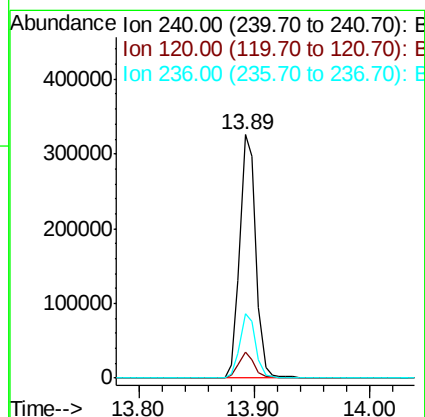
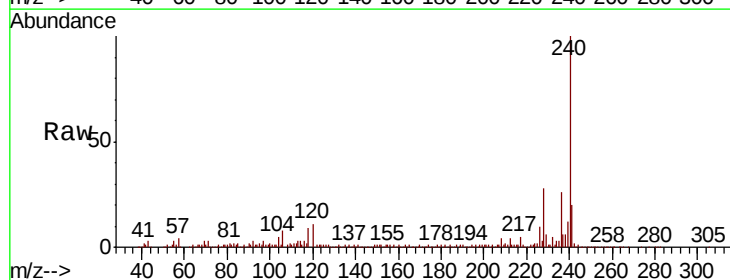
RT: 13.89 min Scan# 2007

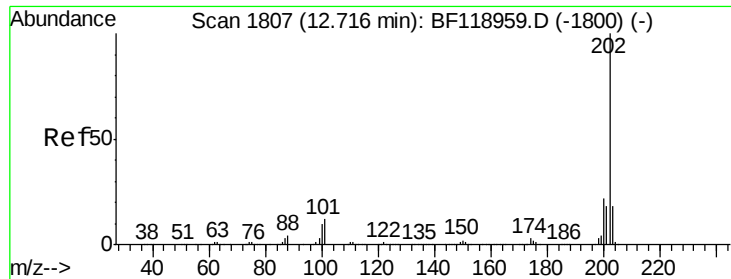
Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	317035		
120	10.8	8.4	12.6	
236	26.4	21.0	31.4	





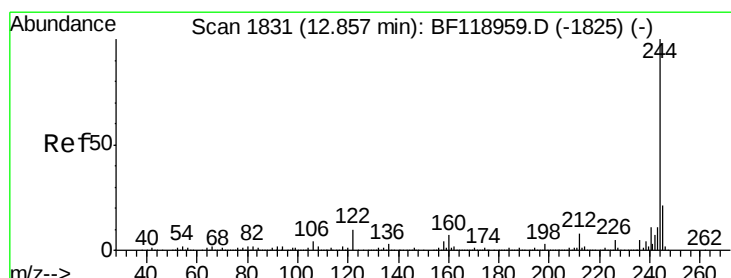
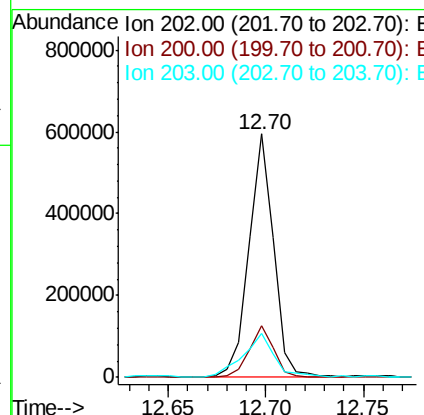
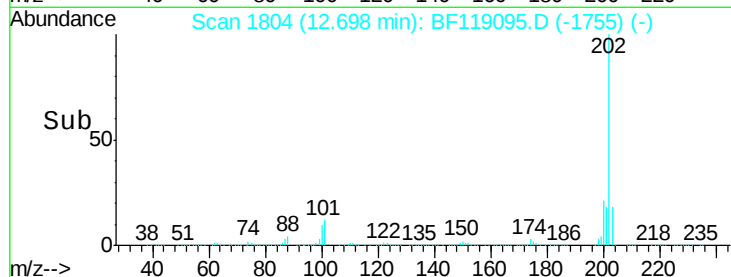
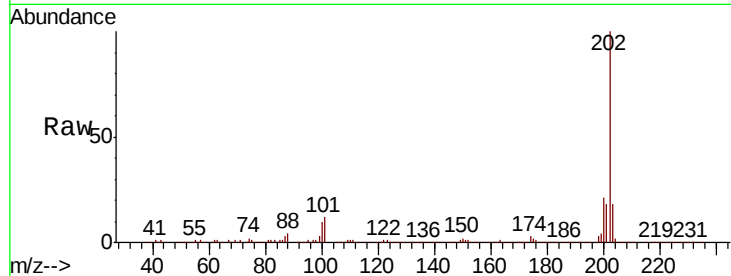
#78
Pvrene
Concen: 20.483 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	18.2	14.6	22.0

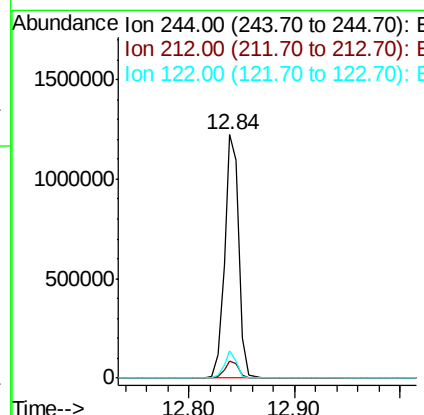
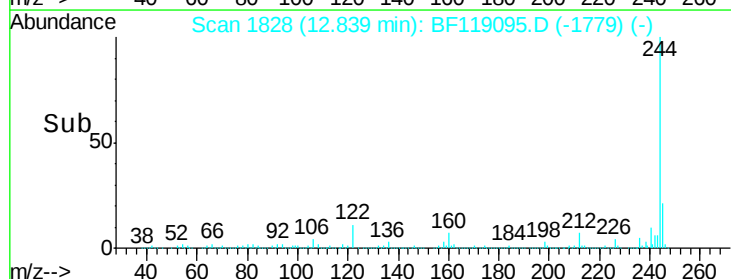
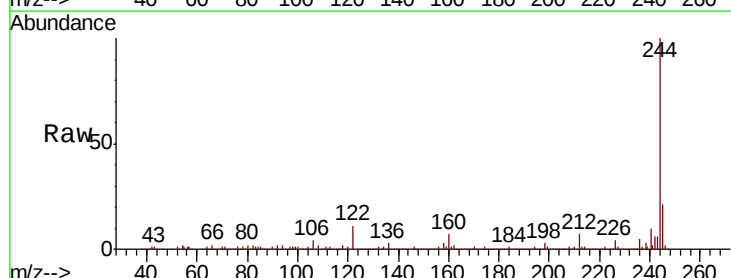
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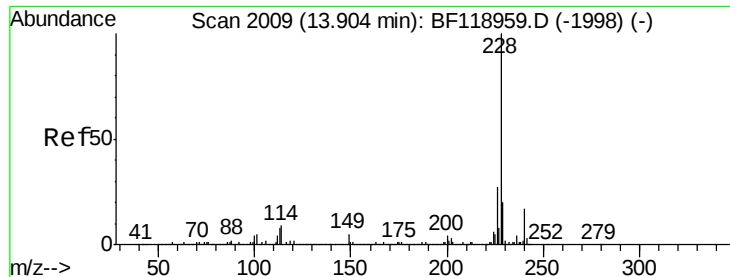
mohammad
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#79
Terphenyl-d14
Concen: 62.506 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	11.0	8.2	12.2





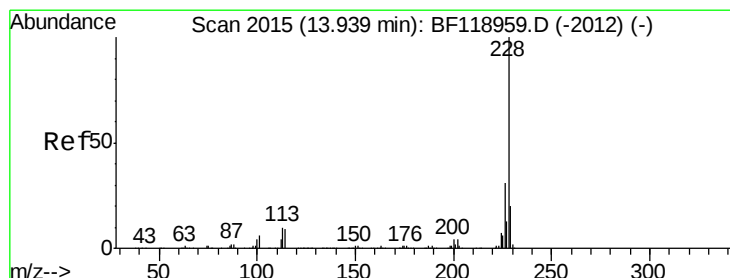
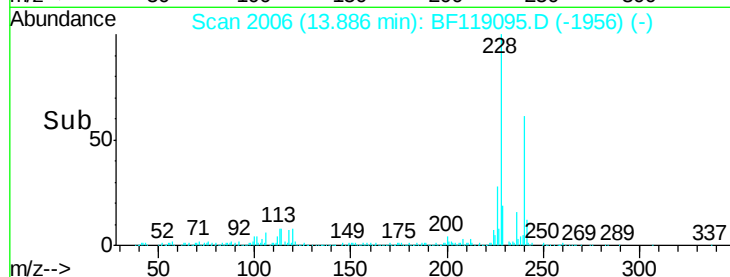
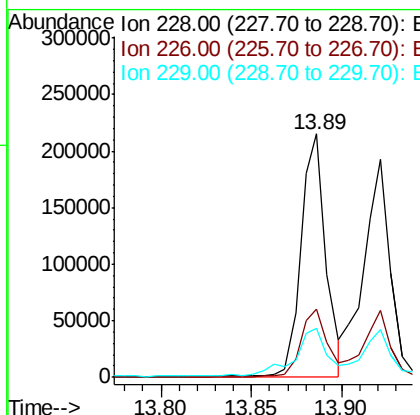
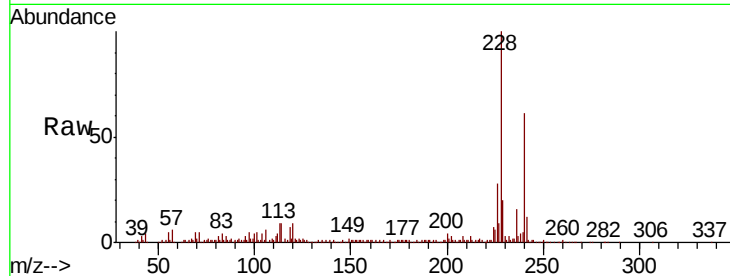
#81
Benzo(a)anthracene
Concen: 9.615 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampled :
VNJ-241

Tot Ion:228	Resp:	207693
Ion Ratio	Lower	Upper
228 100		
226 28.1	22.6	33.8
229 20.2	16.6	24.8

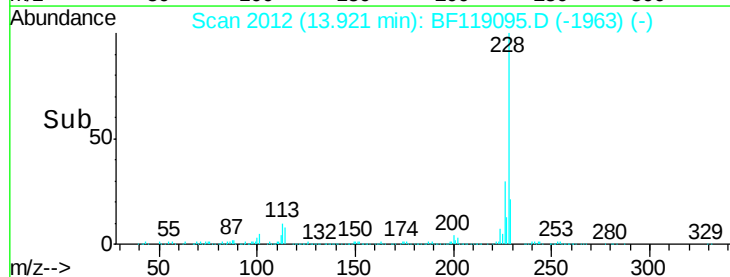
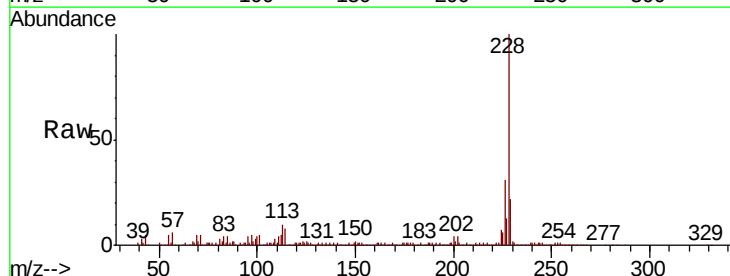
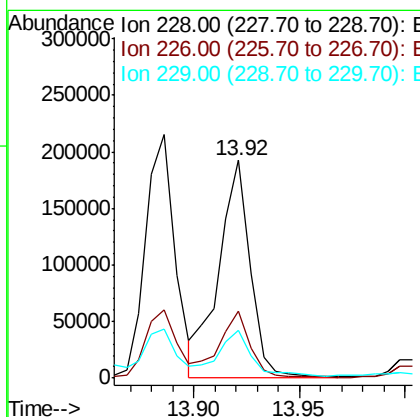
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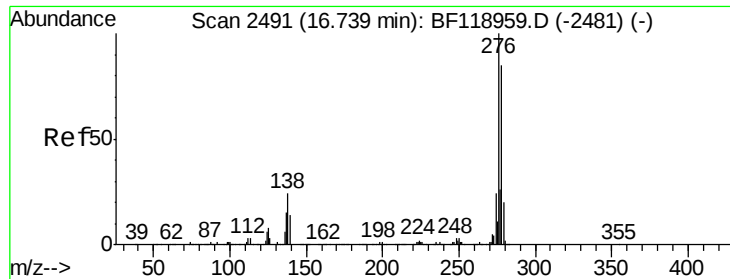
mohammad
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#83
Chrysene
Concen: 9.186 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Tgt Ion:228	Resp:	197725
Ion Ratio	Lower	Upper
228 100		
226 30.5	25.1	37.7
229 22.3	16.3	24.5





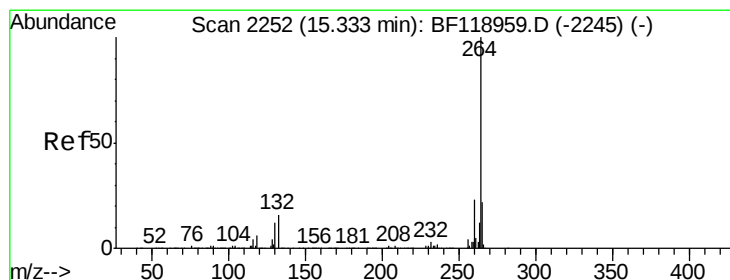
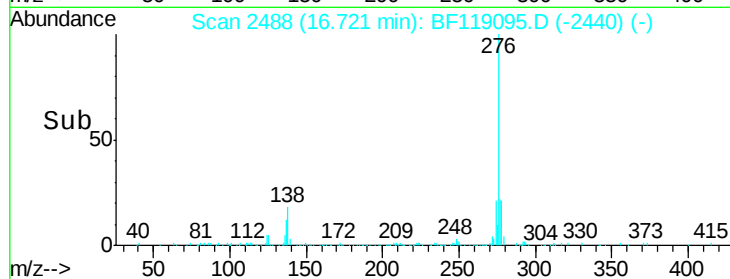
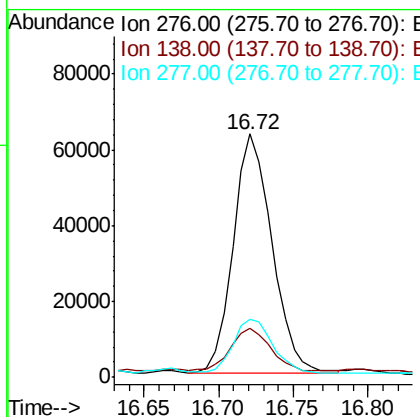
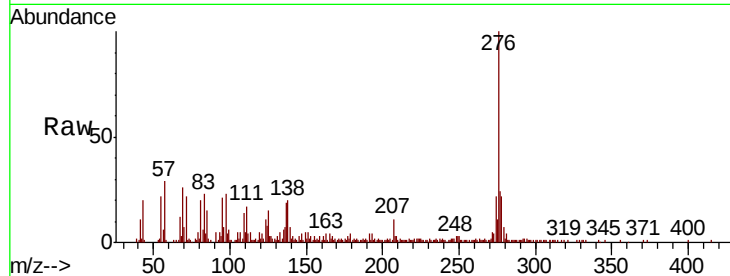
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.455 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.02 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.4	26.0
277	22.9	20.3	30.5

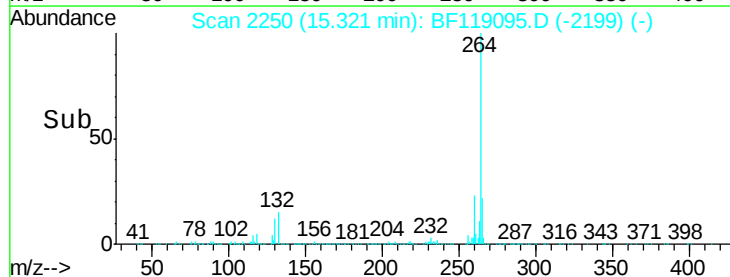
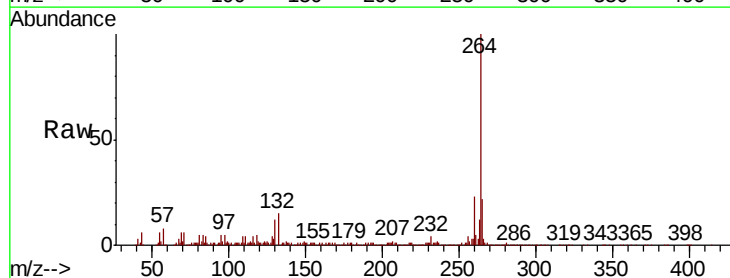
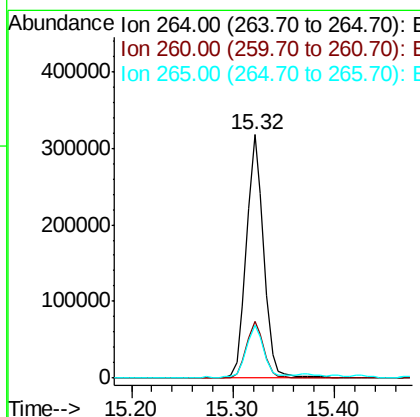
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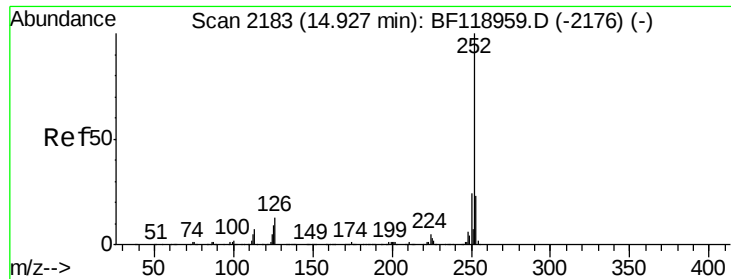
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.9	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 9.760 ng m

RT: 14.92 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Instrument :

BNA_F

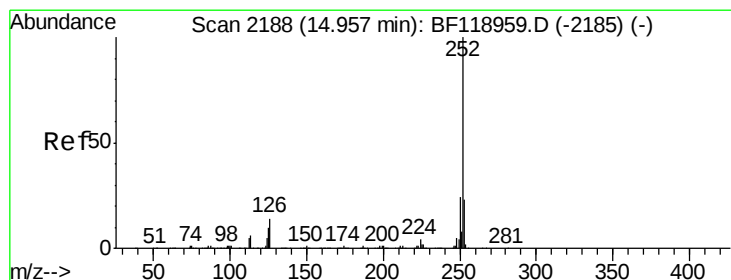
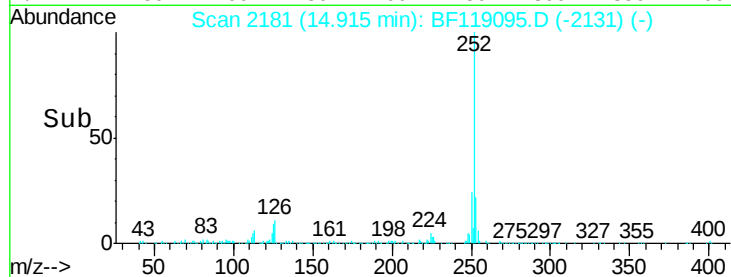
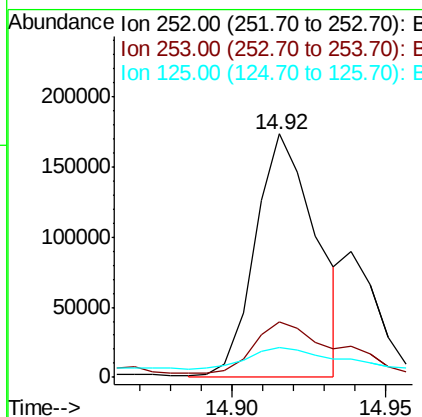
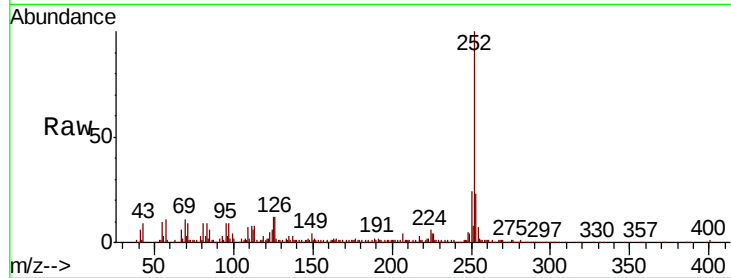
ClientSampleId :

VNJ-241

Tot Ion:	252	Resp:	240951
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	12.2	7.4	11.0#

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#89

Benzo(k)fluoranthene

Concen: 3.159 ng m

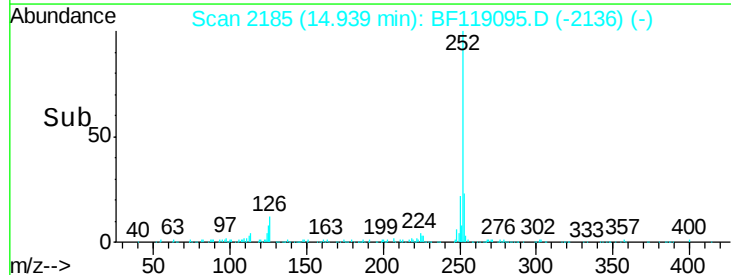
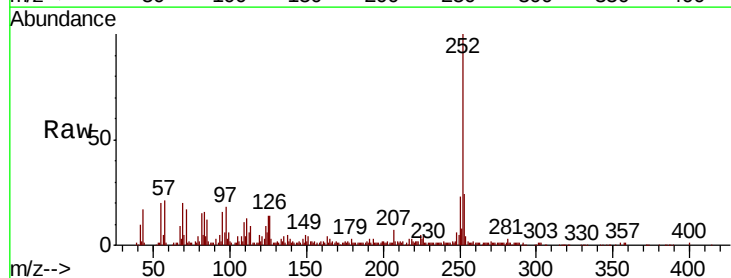
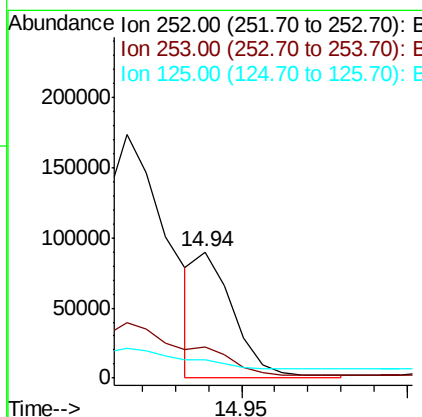
RT: 14.94 min Scan# 2185

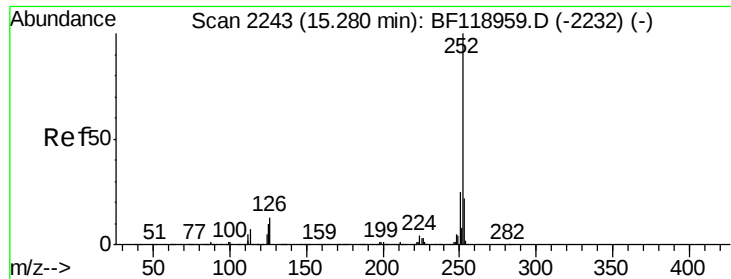
Delta R.T. -0.01 min

Lab File: BF119095.D

Acq: 26 Feb 2020 15:24

Tgt Ion:	252	Resp:	72267
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	14.3	7.5	11.3#





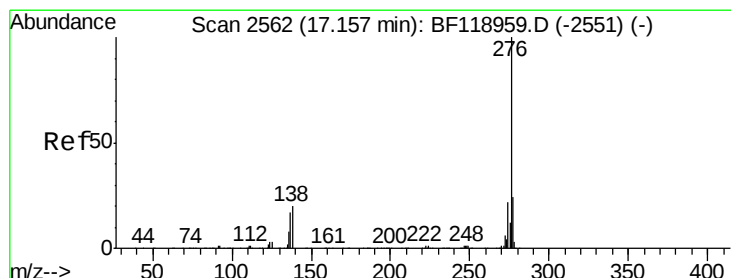
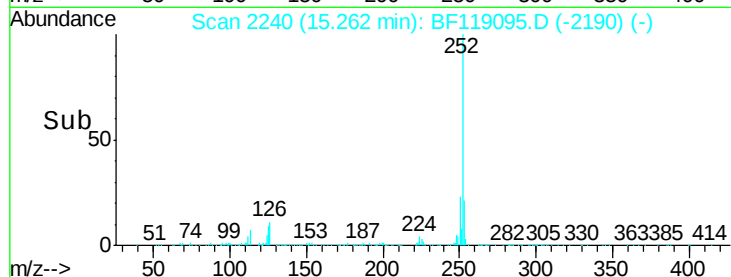
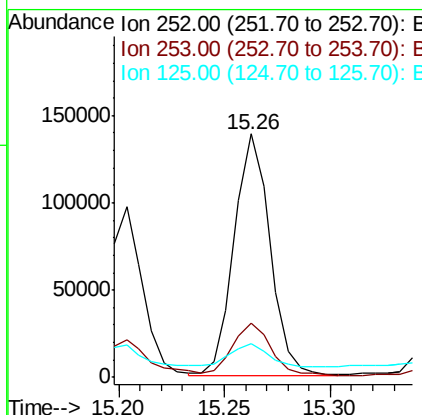
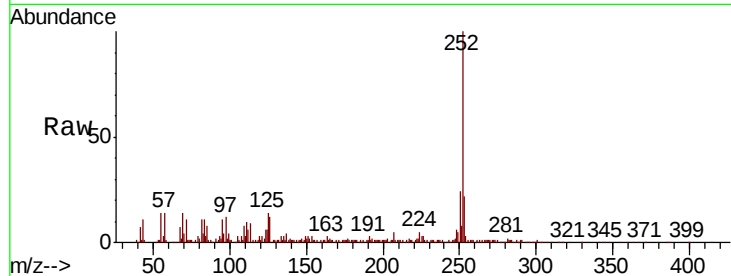
#90
Benzo(a)pyrene
Concen: 7.314 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	13.8	8.6	12.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.757 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.01 min
Lab File: BF119095.D
Acq: 26 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.7	28.1
138	21.4	14.3	21.5

