

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131986.D
 Acq On : 10 Jan 2023 03:21
 Operator : CG\JU
 Sample : 01033-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2023
 Supervised By : Jagrut Upadhyay 01/10/2023

Quant Time: Jan 10 04:27:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							01/10/2023 Supervised By : Jagrut Upadhyay
1) 1,4-Dichlorobenzene-d4	6.787	152	65484	20.000	ng	0.00	
21) Naphthalene-d8	8.075	136	212325	20.000	ng	0.00	
39) Acenaphthene-d10	9.839	164	101983	20.000	ng	0.00	
64) Phenanthrene-d10	11.327	188	177392	20.000	ng	0.00	
76) Chrysene-d12	13.986	240	131419	20.000	ng	# 0.00	
86) Perylene-d12	15.451	264	104501	20.000	ng	0.00	01/10/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	70548	17.752	ng	0.00	
7) Phenol-d6	6.428	99	91505	17.366	ng	0.00	
23) Nitrobenzene-d5	7.351	82	54572	10.667	ng	-0.02	
42) 2,4,6-Tribromophenol	10.627	330	17913	15.277	ng	-0.01	
45) 2-Fluorobiphenyl	9.151	172	92275	12.215	ng	-0.01	
79) Terphenyl-d14	12.916	244	86126	9.393	ng	-0.01	
Target Compounds							Qvalue
49) Acenaphthylene	9.698	152	75474	7.961	ng		99
52) Acenaphthene	9.869	154	15733	2.765	ng		95
58) Fluorene	10.386	166	27761	3.874	ng		99
71) Phenanthrene	11.357	178	321272	34.741	ng		100
72) Anthracene	11.404	178	65713	6.903	ng		99
73) Carbazole	11.563	167	17056	2.164	ng		93
75) Fluoranthene	12.551	202	524901	50.470	ng		99
78) Pyrene	12.780	202	569297	47.496	ng		99
81) Benzo(a)anthracene	13.974	228	274520m	28.712	ng		
83) Chrysene	14.010	228	311237m	34.832	ng		
87) Indeno(1,2,3-cd)pyrene	16.921	276	149918	23.392	ng		97
88) Benzo(b)fluoranthene	15.027	252	394614m	55.056	ng		
89) Benzo(k)fluoranthene	15.051	252	126097m	17.628	ng		
90) Benzo(a)pyrene	15.392	252	269284	41.699	ng	#	97
91) Dibenzo(a,h)anthracene	16.921	278	41058	7.642	ng	#	85
92) Benzo(g,h,i)perylene	17.362	276	142675	26.505	ng		97

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

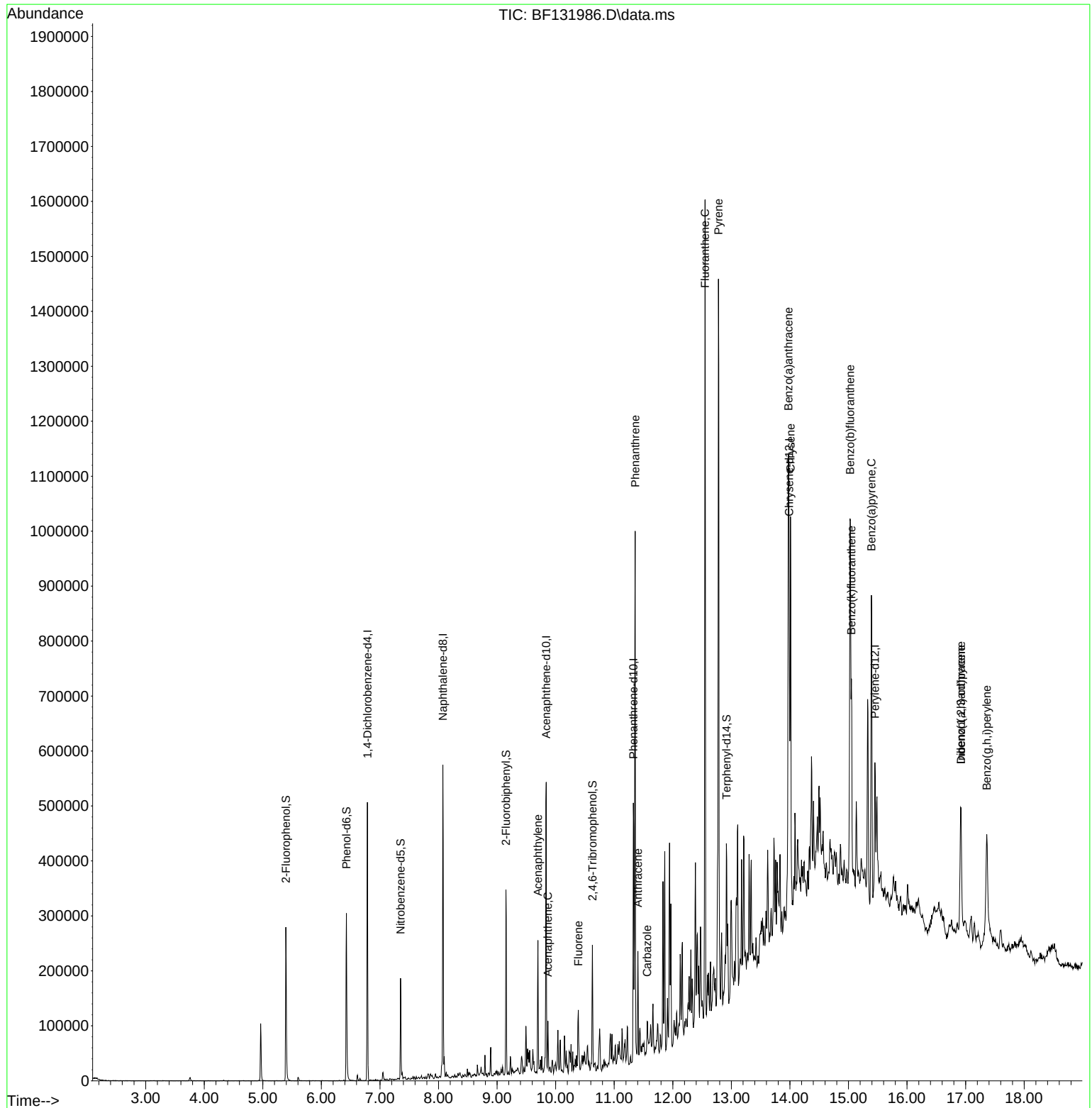
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
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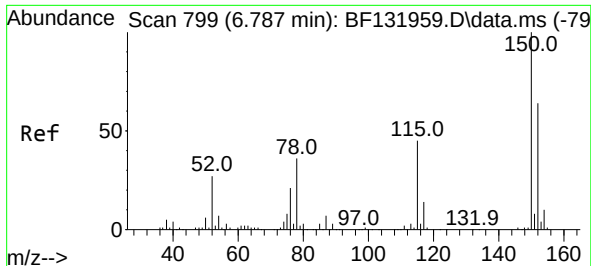
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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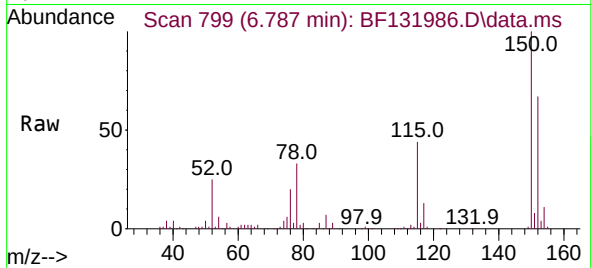
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Supervised By :Jagrut Upadhyay 01/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

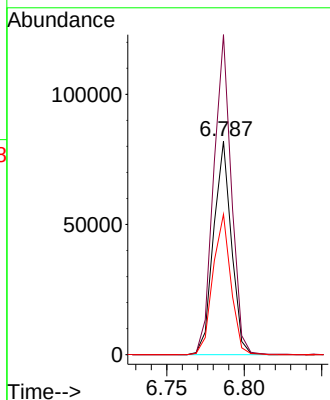
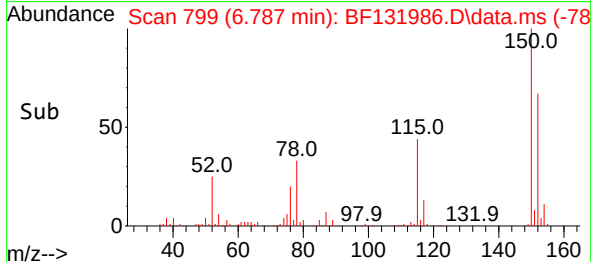
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:152 Resp: 65484
Ion Ratio Lower Upper
152 100
150 150.0 124.6 186.8
115 65.7 55.6 83.4

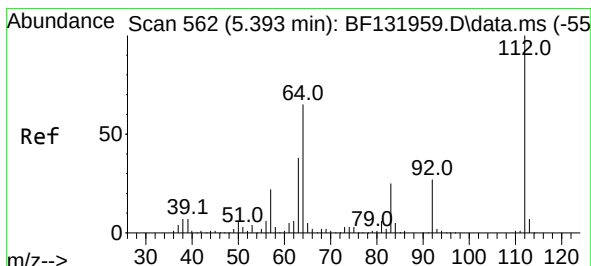
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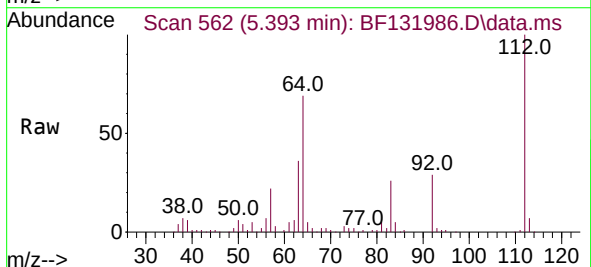


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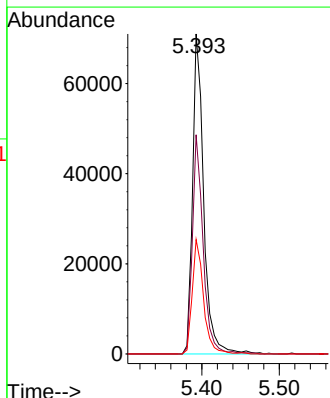
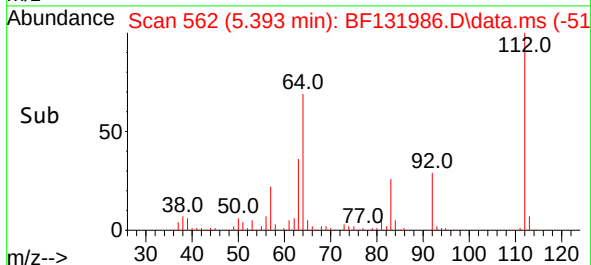
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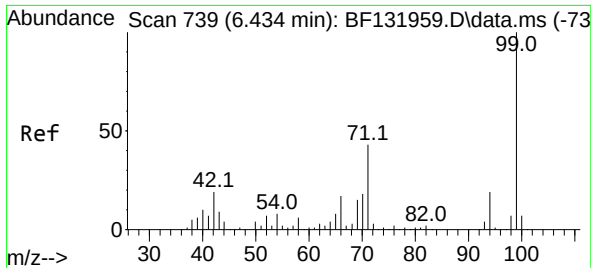


#5
2-Fluorophenol
Concen: 17.752 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21



Tgt Ion:112 Resp: 70548
Ion Ratio Lower Upper
112 100
64 68.5 51.9 77.9
63 35.7 30.2 45.2





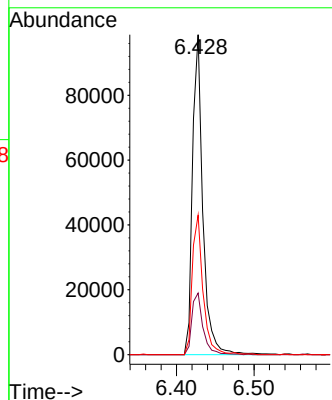
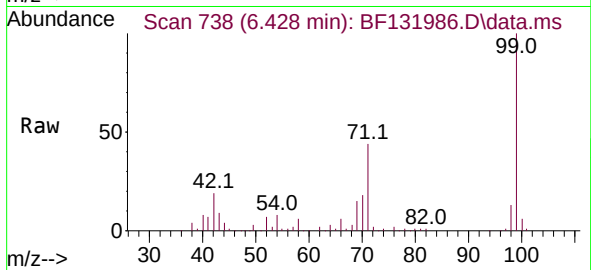
#7
Phenol-d6
Concen: 17.366 ng
RT: 6.428 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 99 Resp: 91505
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.2
71 43.6 34.6 51.8

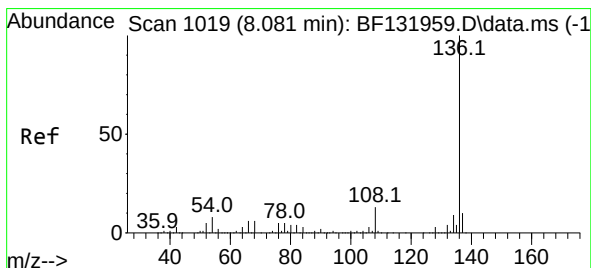
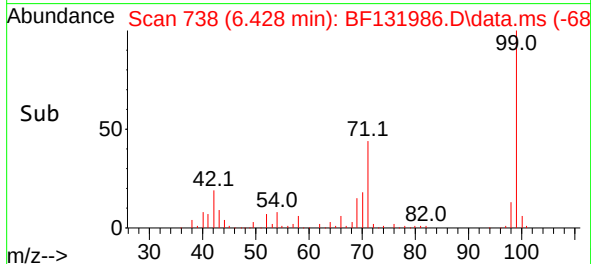
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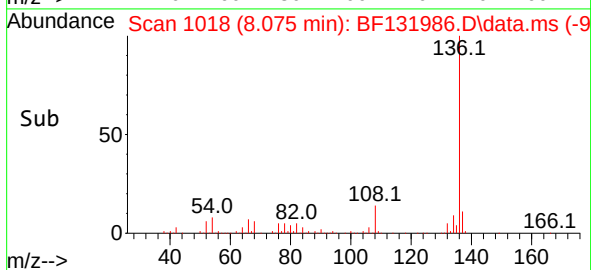
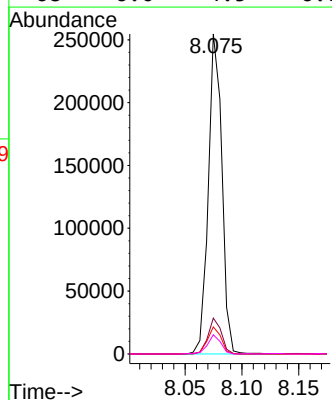
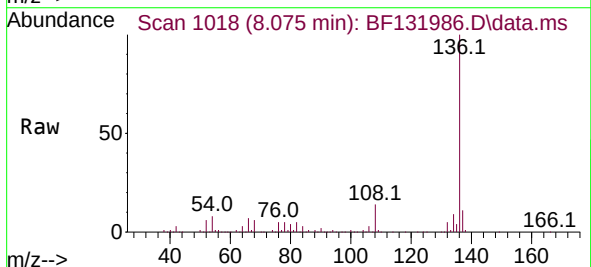
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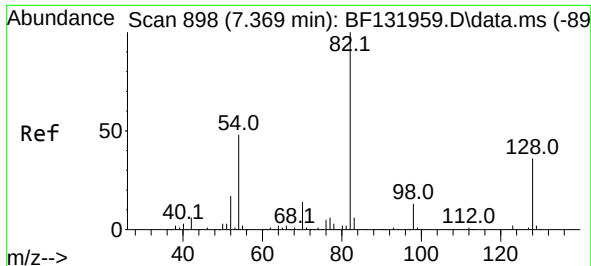
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

Tgt Ion:136 Resp: 212325
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 8.4 6.6 9.8
68 6.0 4.5 6.7





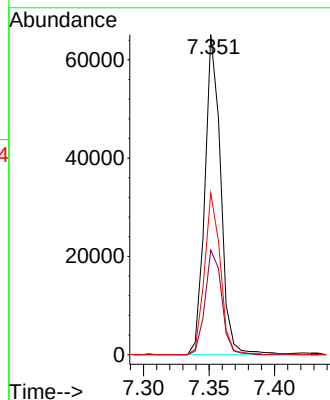
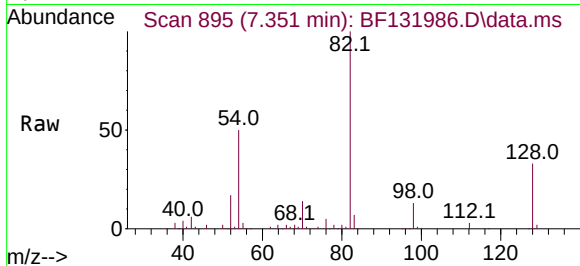
#23
Nitrobenzene-d5
Concen: 10.667 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 82 Resp: 54572
Ion Ratio Lower Upper
82 100
128 32.7 28.7 43.1
54 50.5 38.1 57.1

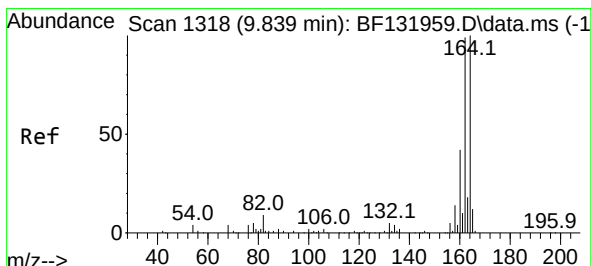
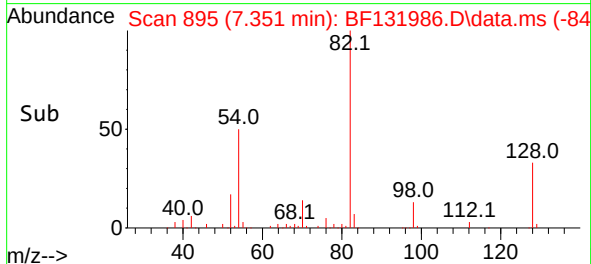
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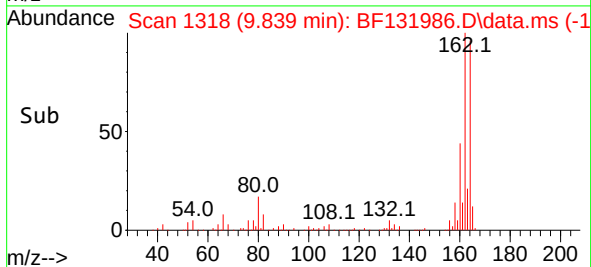
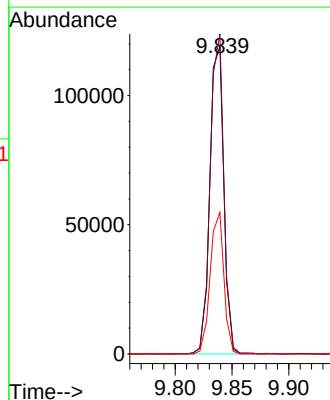
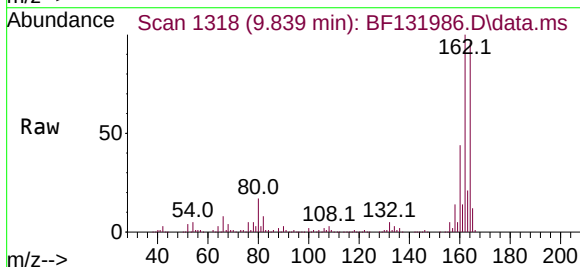
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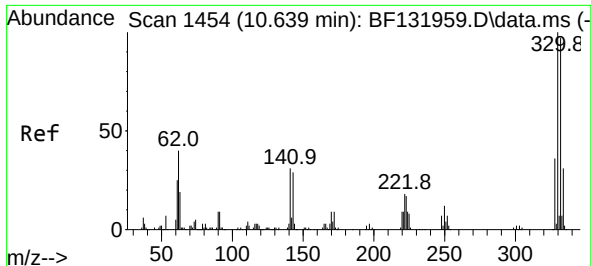
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

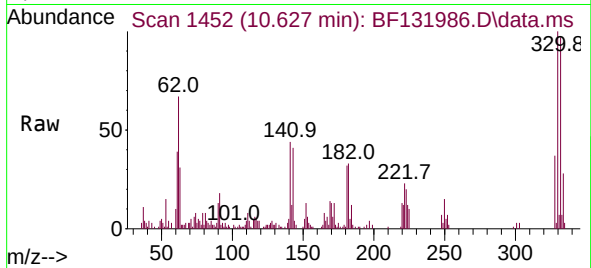
Tgt Ion:164 Resp: 101983
Ion Ratio Lower Upper
164 100
162 104.1 79.4 119.0
160 46.1 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 15.277 ng
RT: 10.627 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

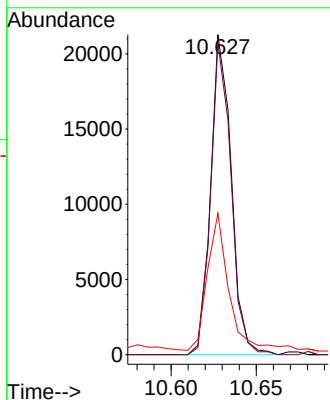
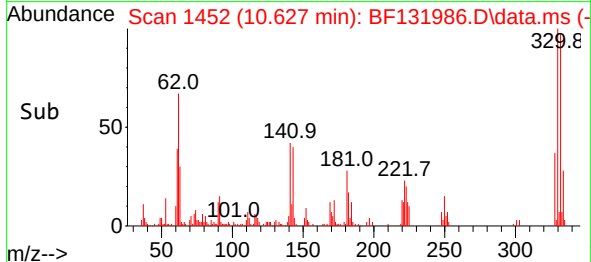
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion: 330 Resp: 17913
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 46.1 31.3 46.9

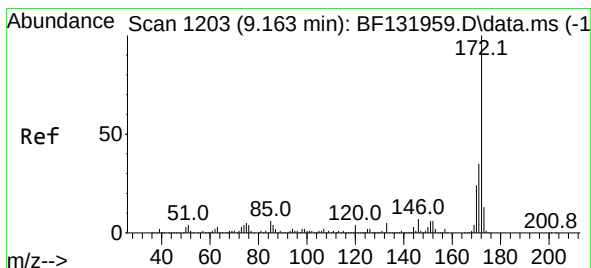
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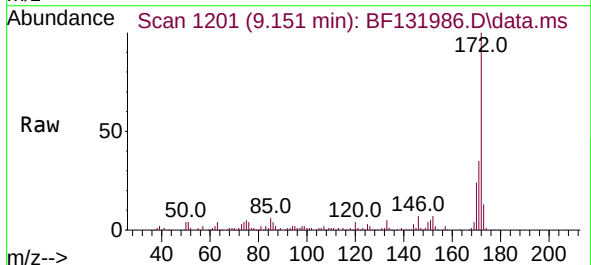


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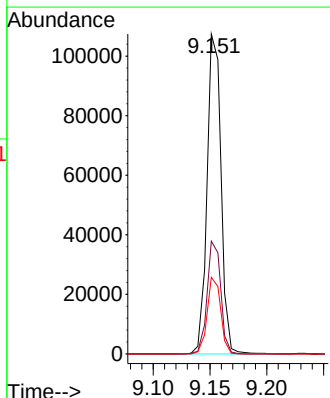
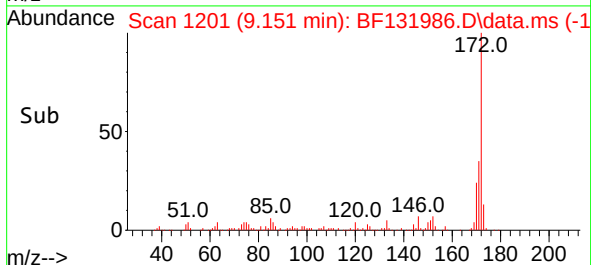
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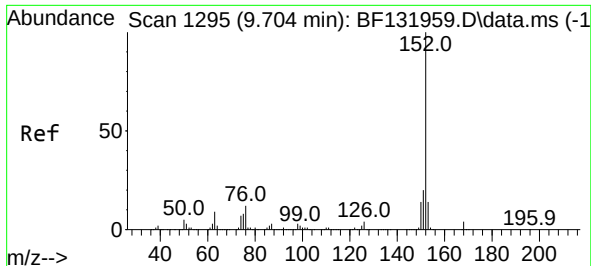


#45
2-Fluorobiphenyl
Concen: 12.215 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21



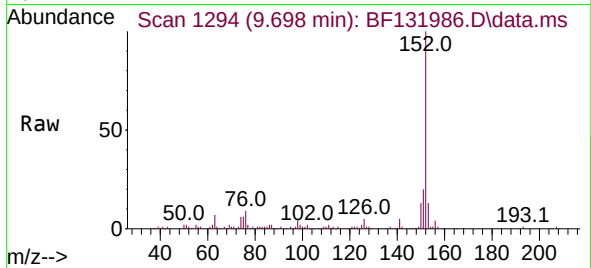
Tgt Ion: 172 Resp: 92275
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.9 18.9 28.3





#49
Acenaphthylene
Concen: 7.961 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

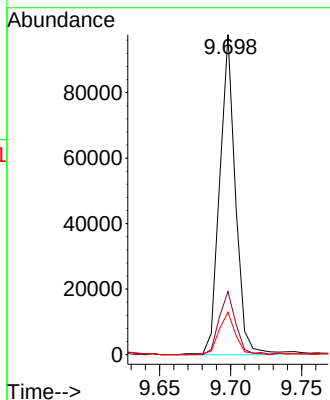
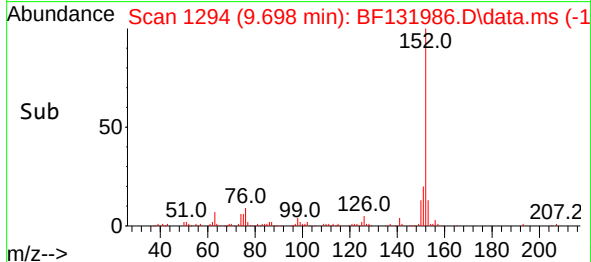
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:152 Resp: 75474
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.3 10.8 16.2

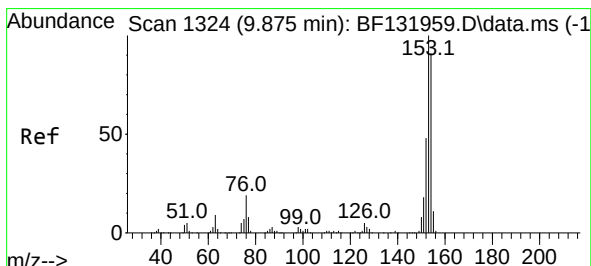
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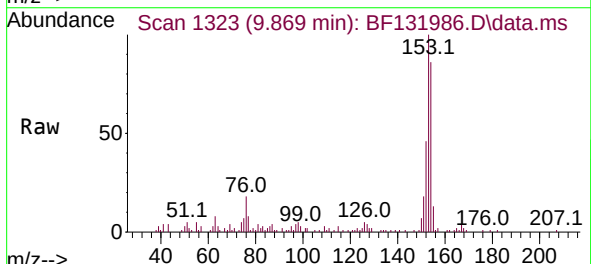


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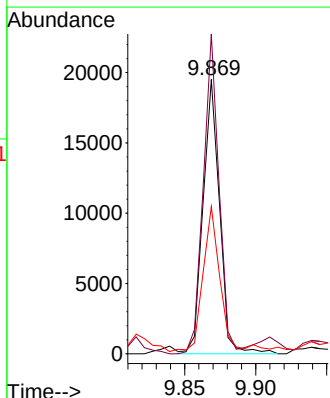
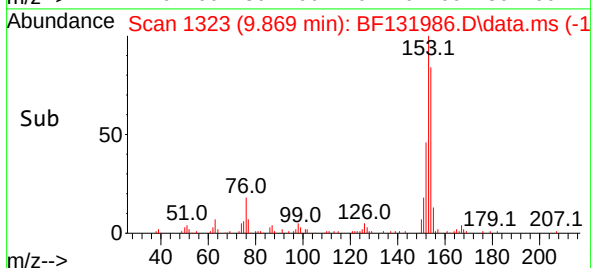
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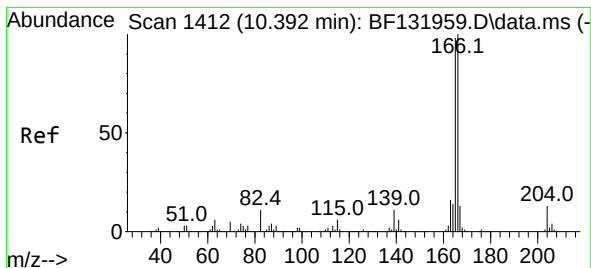


#52
Acenaphthene
Concen: 2.765 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21



Tgt Ion:154 Resp: 15733
Ion Ratio Lower Upper
154 100
153 116.6 87.7 131.5
152 53.6 42.2 63.2





#58

Fluorene

Concen: 3.874 ng

RT: 10.386 min Scan# 1412

Delta R.T. -0.006 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

Instrument :

BNA_F

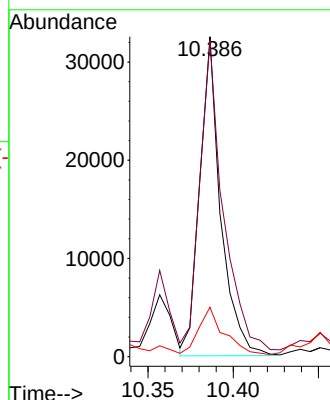
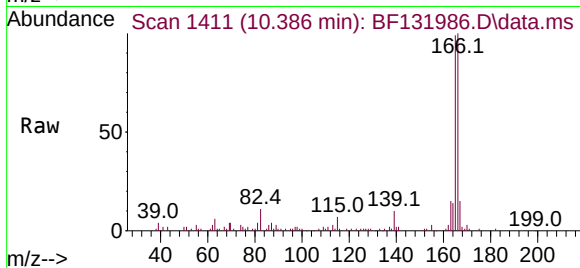
ClientSampleId :

VNJ-228

Tgt Ion:166 Resp: 27761
 Ion Ratio Lower Upper
 166 100
 165 98.7 78.3 117.5
 167 15.4 10.7 16.1

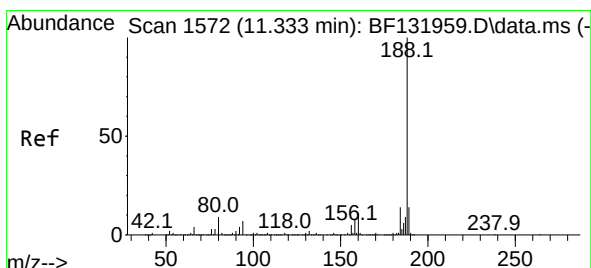
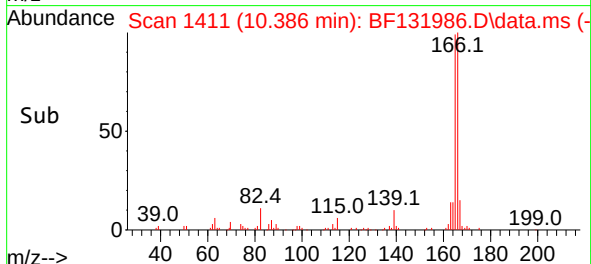
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 Upadhyay

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#64

Phenanthrene-d10

Concen: 20.000 ng

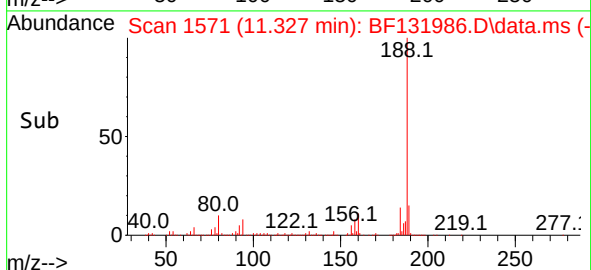
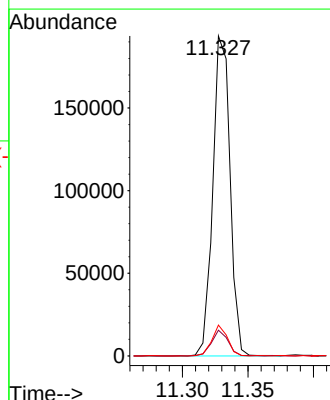
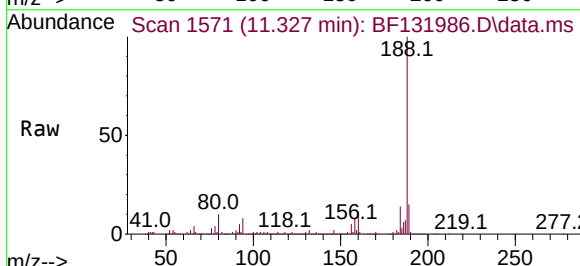
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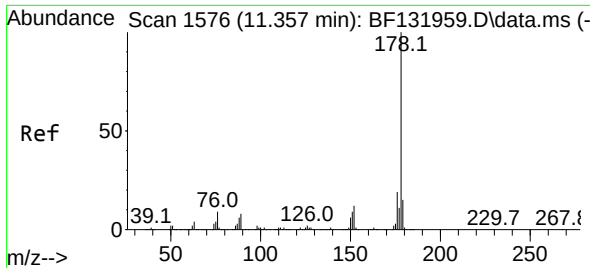
Delta R.T. -0.006 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

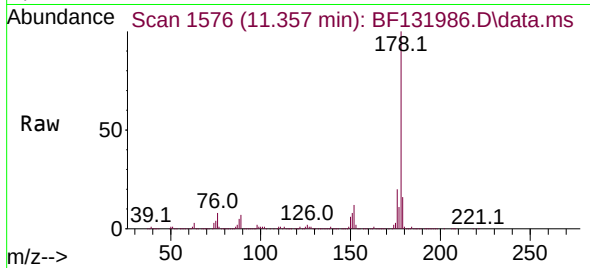
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 Ion Ratio Lower Upper
 188 100
 94 8.1 5.8 8.6
 80 9.6 7.4 11.0





#71
Phenanthrene
Concen: 34.741 ng
RT: 11.357 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

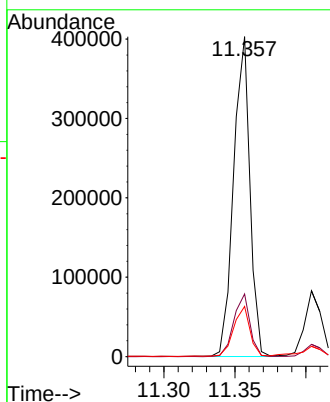
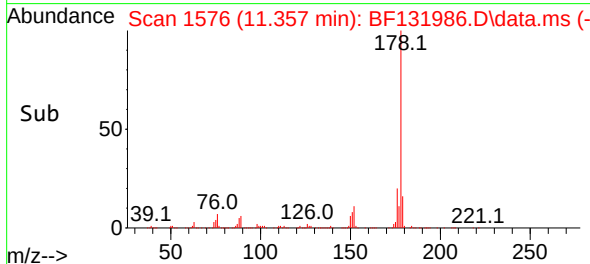
Instrument :
BNA_F
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VNJ-228



Tgt Ion:178 Resp: 321272
Ion Ratio Lower Upper
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176 19.6 15.5 23.3
179 15.7 12.4 18.6

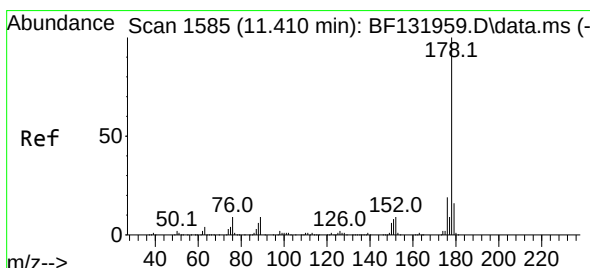
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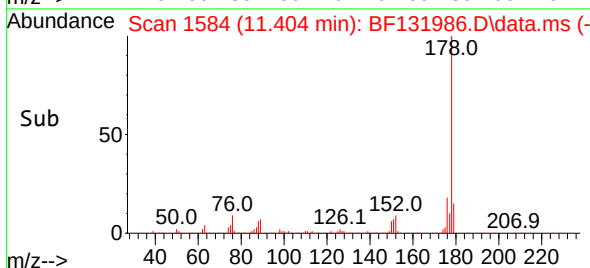
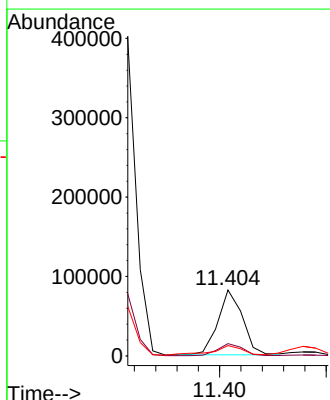
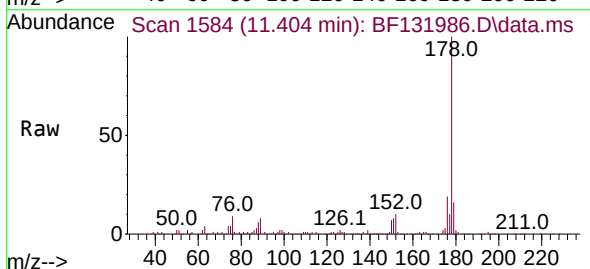
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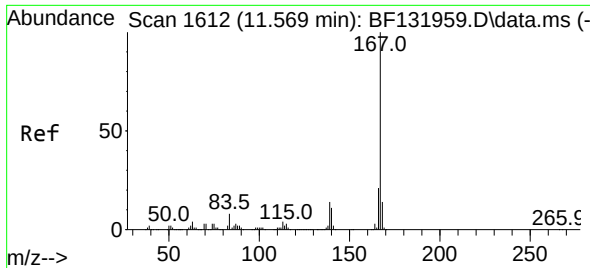
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#72
Anthracene
Concen: 6.903 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

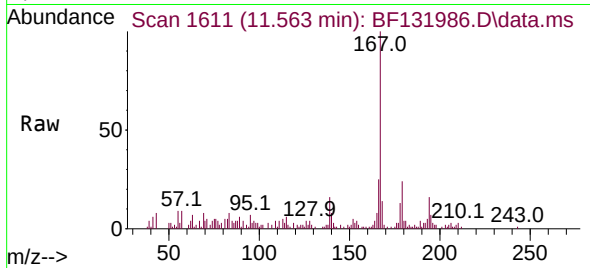
Tgt Ion:178 Resp: 65713
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.8 12.6 19.0





#73
 Carbazole
 Concen: 2.164 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF131986.D
 Acq: 10 Jan 2023 03:21

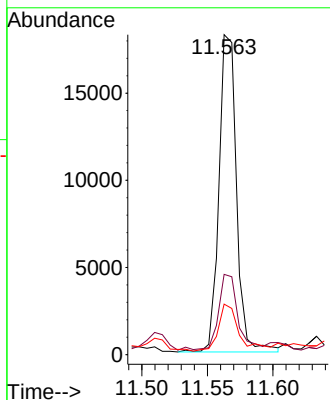
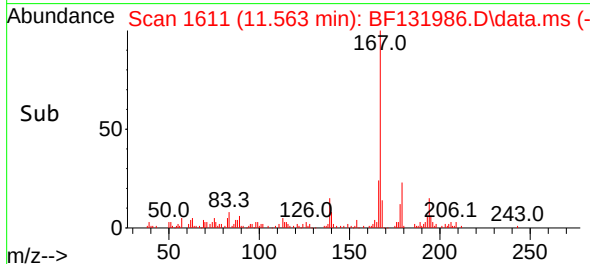
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228



Tgt Ion:167 Resp: 17056
 Ion Ratio Lower Upper
 167 100
 166 25.1 16.8 25.2
 139 15.8 11.1 16.7

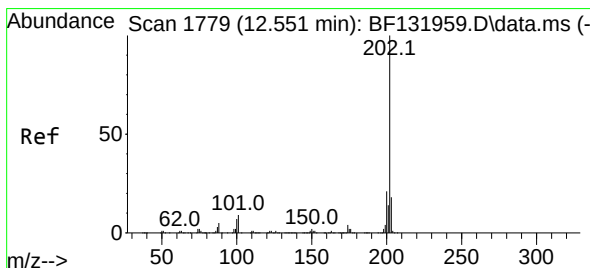
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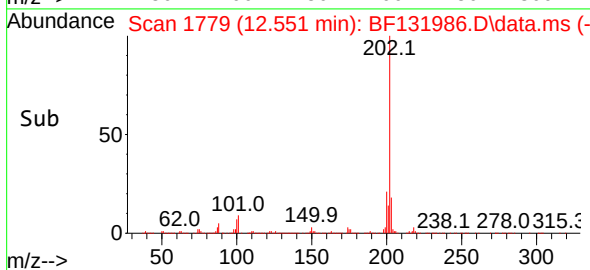
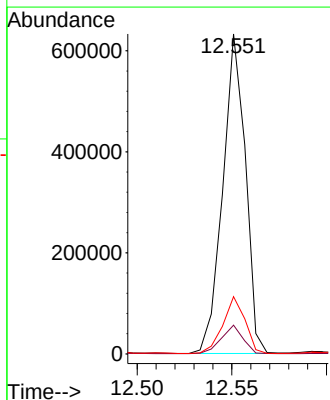
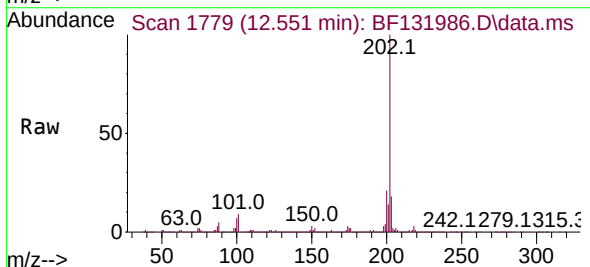
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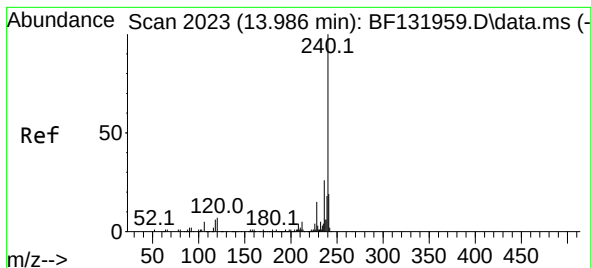
01/10/2023



#75
 Fluoranthene
 Concen: 50.470 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. -0.000 min
 Lab File: BF131986.D
 Acq: 10 Jan 2023 03:21

Tgt Ion:202 Resp: 524901
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 28.8
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

Instrument :

BNF

ClientSampleId :

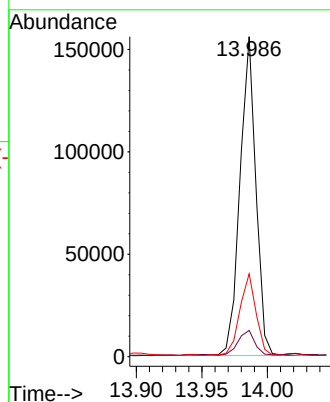
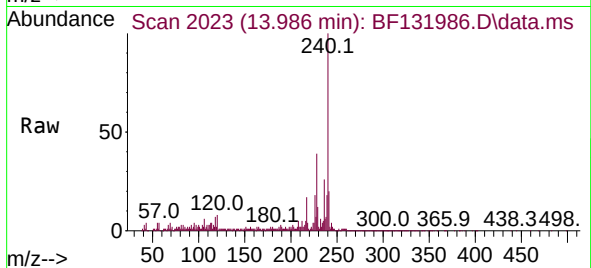
VNJ-228

Tgt Ion:240 Resp: 131419
 Ion Ratio Lower Upper
 240 100
 120 8.2 5.4 8.0
 236 25.9 21.1 31.7

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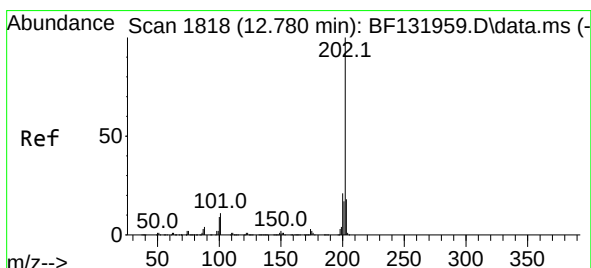
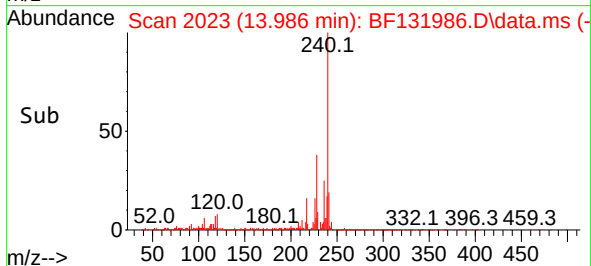
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#78

Pyrene

Concen: 47.496 ng

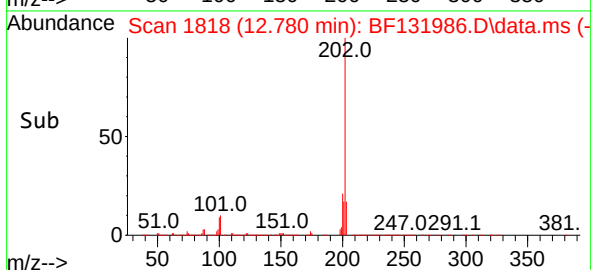
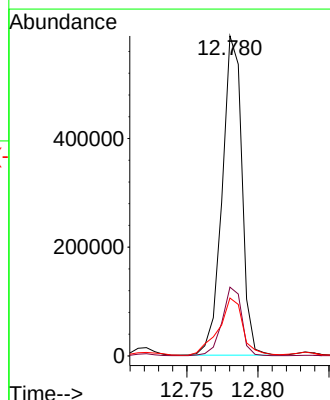
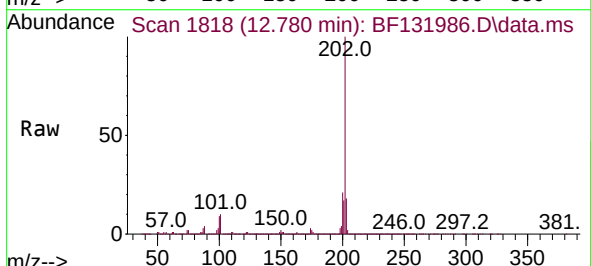
RT: 12.780 min Scan# 1818

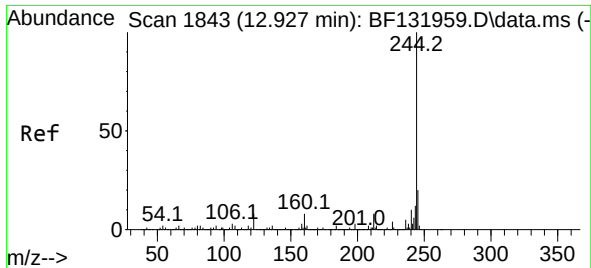
Delta R.T. -0.000 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

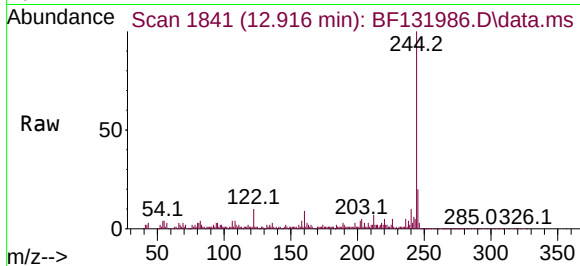
Tgt Ion:202 Resp: 569297
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.6
 203 18.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 9.393 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF131986.D
 Acq: 10 Jan 2023 03:21

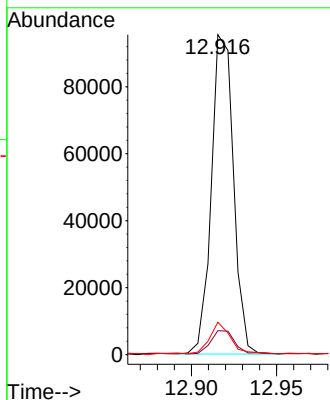
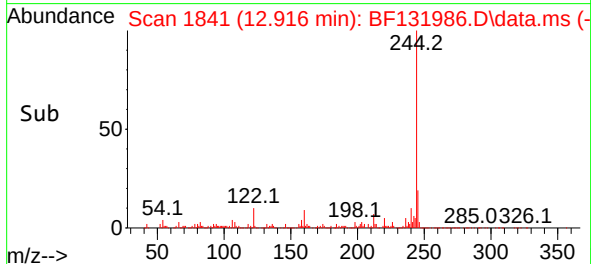
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228



Tgt Ion:244 Resp: 86126
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 10.1 6.8 10.2

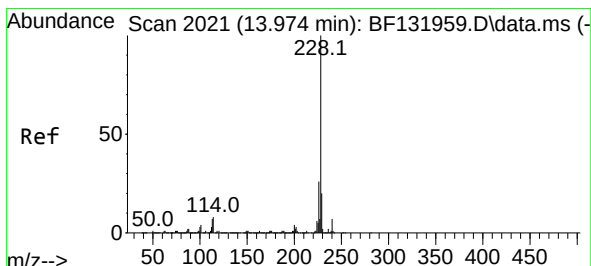
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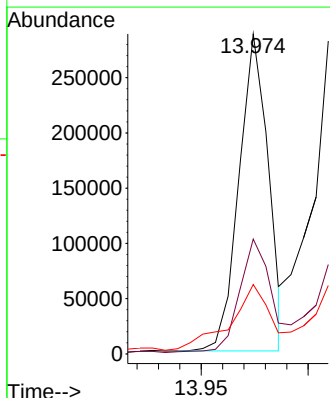
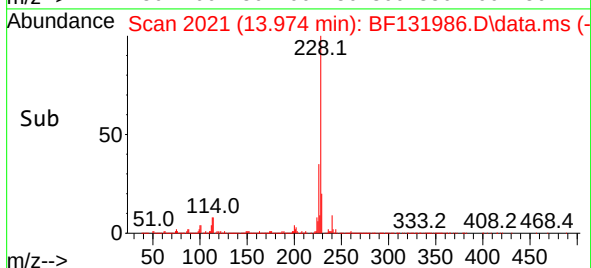
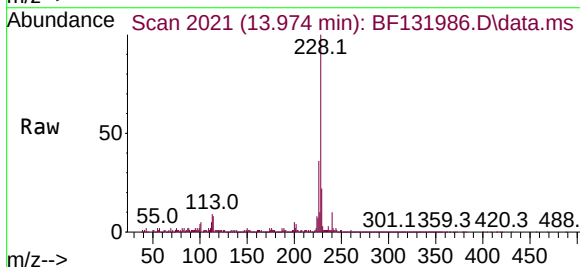
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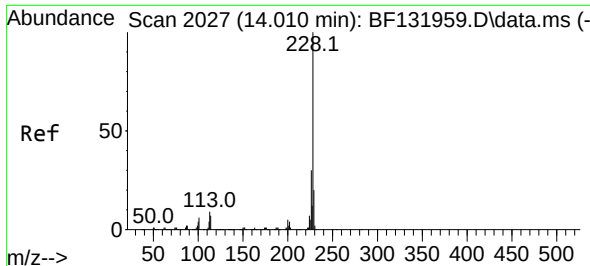
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#81
 Benzo(a)anthracene
 Concen: 28.712 ng m
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: BF131986.D
 Acq: 10 Jan 2023 03:21

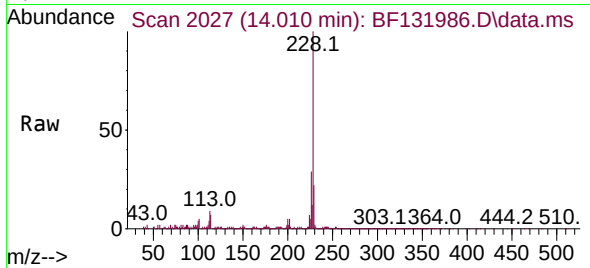
Tgt Ion:228 Resp: 274520
 Ion Ratio Lower Upper
 228 100
 226 35.9 21.0 31.4#
 229 21.7 15.8 23.6





#83
Chrysene
Concen: 34.832 ng m
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

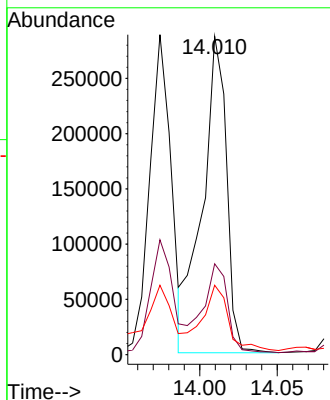
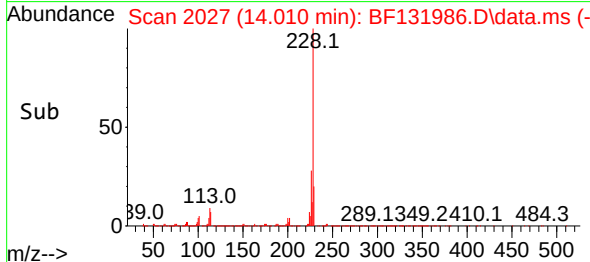
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:228 Resp: 311237
Ion Ratio Lower Upper
228 100
226 28.5 24.0 36.0
229 21.8 16.2 24.4

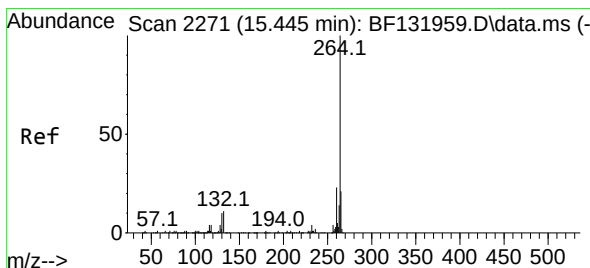
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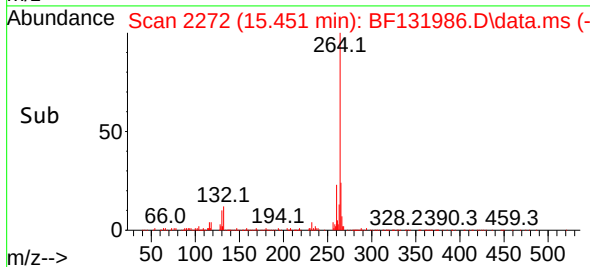
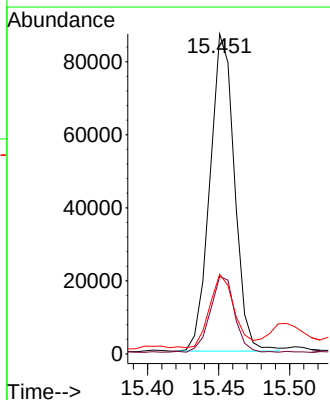
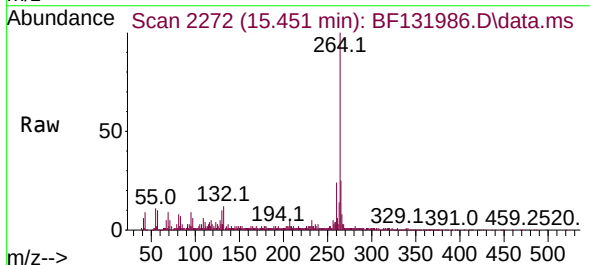
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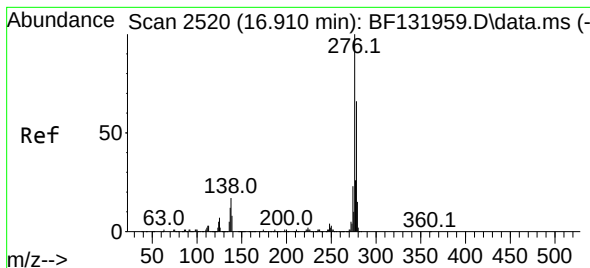
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

Tgt Ion:264 Resp: 104501
Ion Ratio Lower Upper
264 100
260 24.2 18.3 27.5
265 24.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.392 ng

RT: 16.921 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion:276 Resp: 149918

Ion Ratio Lower Upper

276 100

138 15.6 14.2 21.2

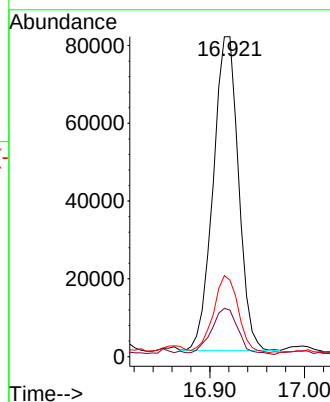
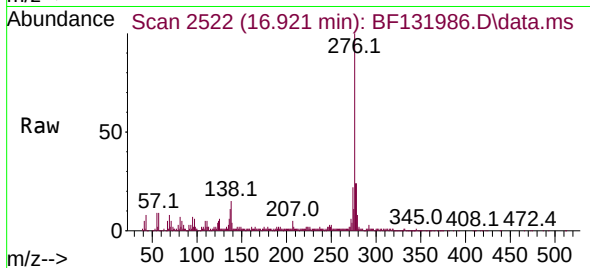
277 24.1 20.2 30.4

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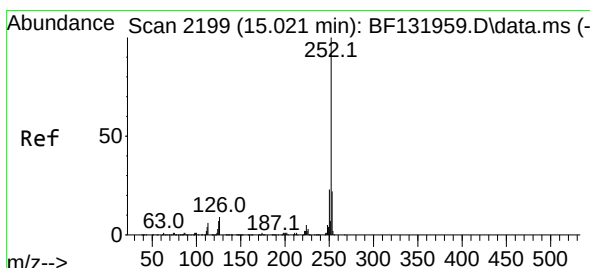
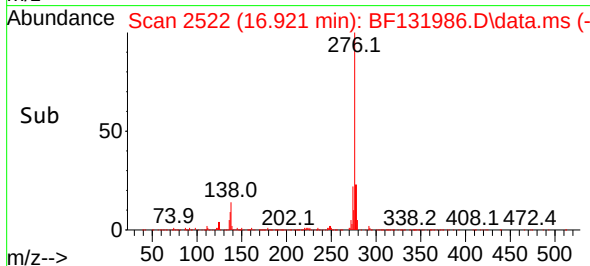
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#88

Benzo(b)fluoranthene

Concen: 55.056 ng m

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

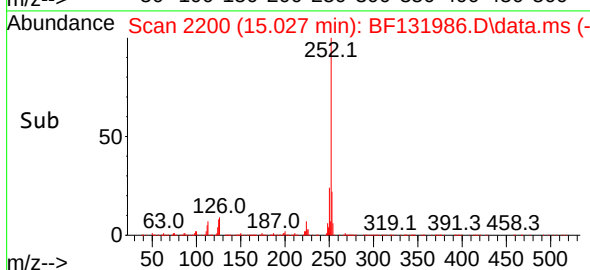
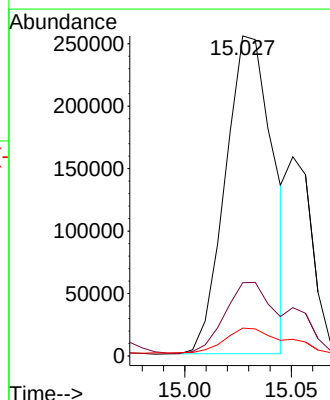
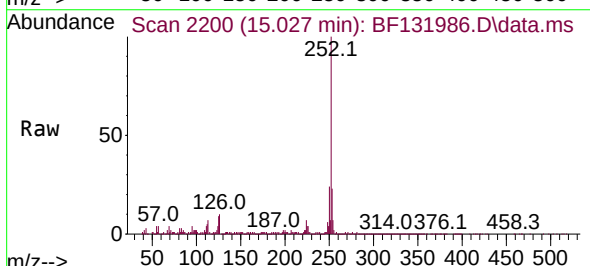
Tgt Ion:252 Resp: 394614

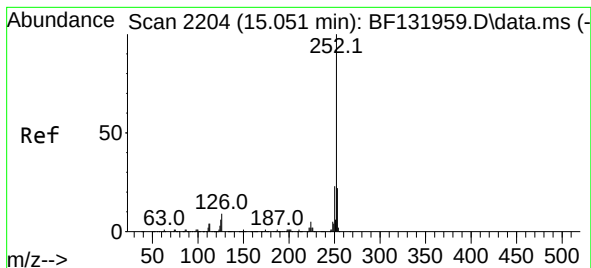
Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 8.7 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 17.628 ng m

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

Instrument :

BNF

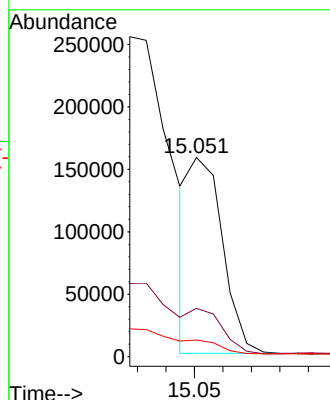
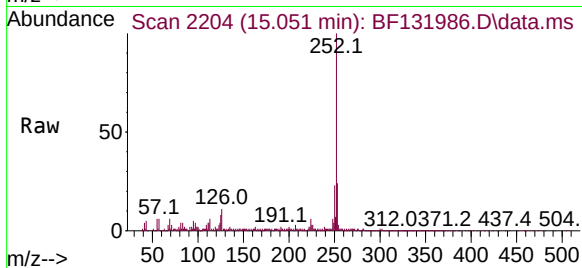
ClientSampleId :

VNJ-228

Tgt Ion:252 Resp: 126097
 Ion Ratio Lower Upper
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 253 24.2 17.8 26.6
 125 8.4 5.2 7.8

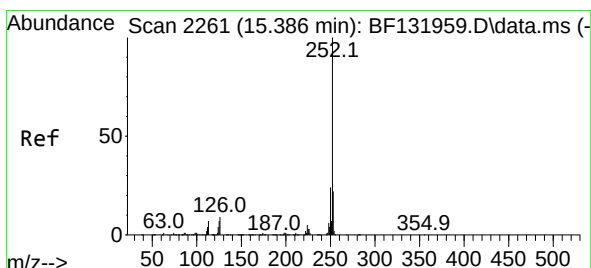
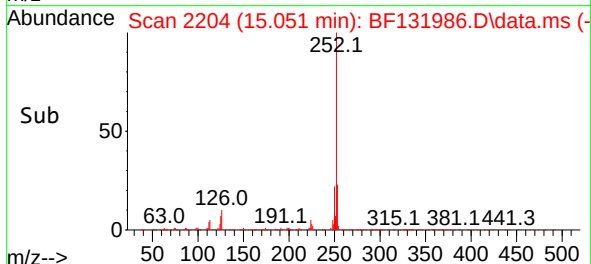
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#90

Benzo(a)pyrene

Concen: 41.699 ng

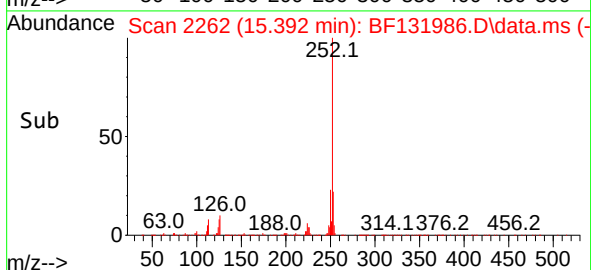
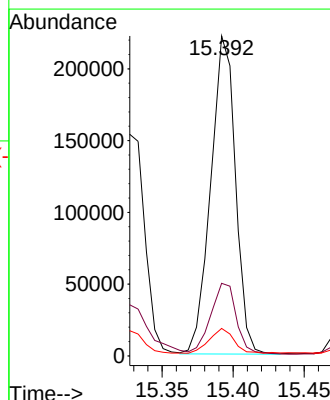
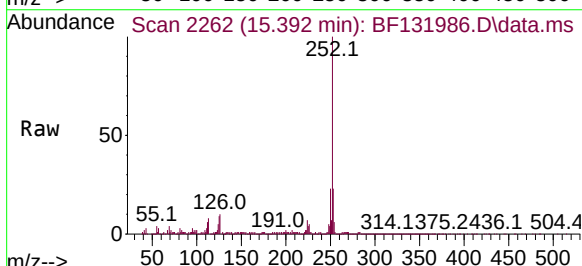
RT: 15.392 min Scan# 2262

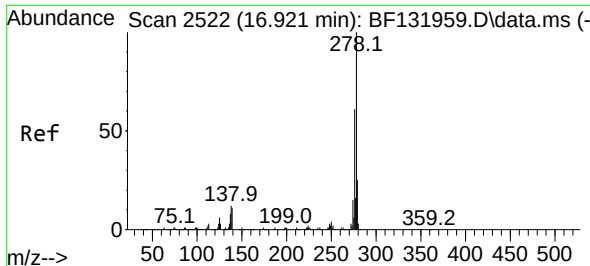
Delta R.T. 0.006 min

Lab File: BF131986.D

Acq: 10 Jan 2023 03:21

Tgt Ion:252 Resp: 269284
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 8.6 5.7 8.5





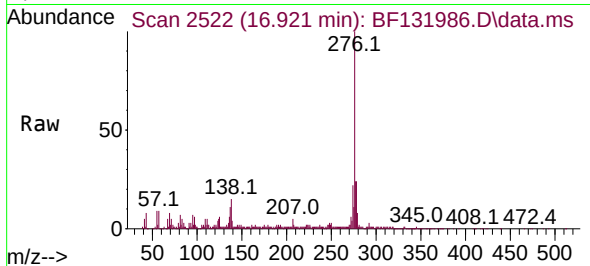
#91
Dibenzo(a,h)anthracene
Concen: 7.642 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21

Instrument :

BNF

ClientSampleId :

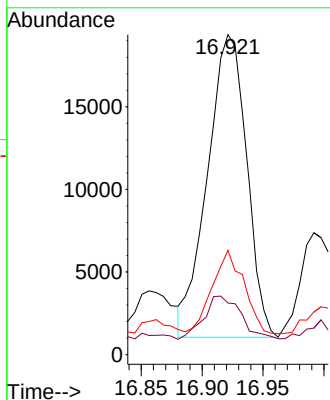
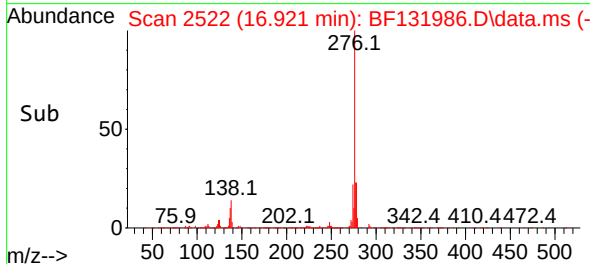
VNJ-228



Tgt Ion:278 Resp: 41058
Ion Ratio Lower Upper
278 100
139 16.1 8.8 13.2
279 32.6 19.8 29.6

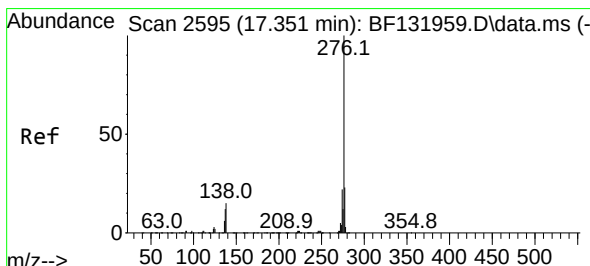
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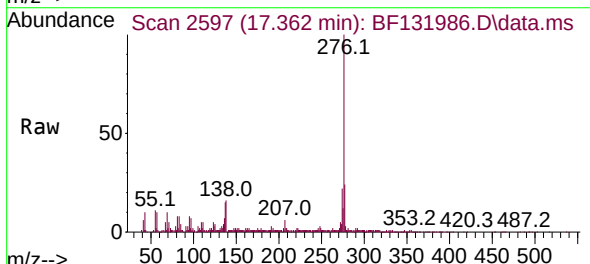


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#92
Benzo(g,h,i)perylene
Concen: 26.505 ng
RT: 17.362 min Scan# 2597
Delta R.T. 0.011 min
Lab File: BF131986.D
Acq: 10 Jan 2023 03:21



Tgt Ion:276 Resp: 142675
Ion Ratio Lower Upper
276 100
277 24.1 18.2 27.2
138 16.1 11.7 17.5

