

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131977.D
 Acq On : 09 Jan 2023 22:39
 Operator : CG\JU
 Sample : 01065-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 03:15:27 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						
1) 1,4-Dichlorobenzene-d4	6.781	152	69348	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	250099	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	145392	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	272444	20.000	ng	0.00
76) Chrysene-d12	13.974	240	136701	20.000	ng	-0.01
86) Perylene-d12	15.439	264	149112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	491934	116.889	ng	0.00
7) Phenol-d6	6.422	99	634180	113.651	ng	-0.01
23) Nitrobenzene-d5	7.357	82	446512	74.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	175433	104.943	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	756631	70.253	ng	0.00
79) Terphenyl-d14	12.921	244	778311	81.604	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	188269	13.256	ng	98
72) Anthracene	11.398	178	33143	2.267	ng	99
75) Fluoranthene	12.545	202	306272	19.175	ng	97
78) Pyrene	12.774	202	241642	19.381	ng	99
81) Benzo(a)anthracene	13.963	228	105303	10.588	ng	98
83) Chrysene	13.998	228	93577	10.068	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	49939	5.461	ng	99
88) Benzo(b)fluoranthene	15.015	252	126411m	12.360	ng	
89) Benzo(k)fluoranthene	15.039	252	32997m	3.233	ng	
90) Benzo(a)pyrene	15.374	252	79682	8.647	ng	98
92) Benzo(g,h,i)perylene	17.333	276	47376	8.873	ng	98

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

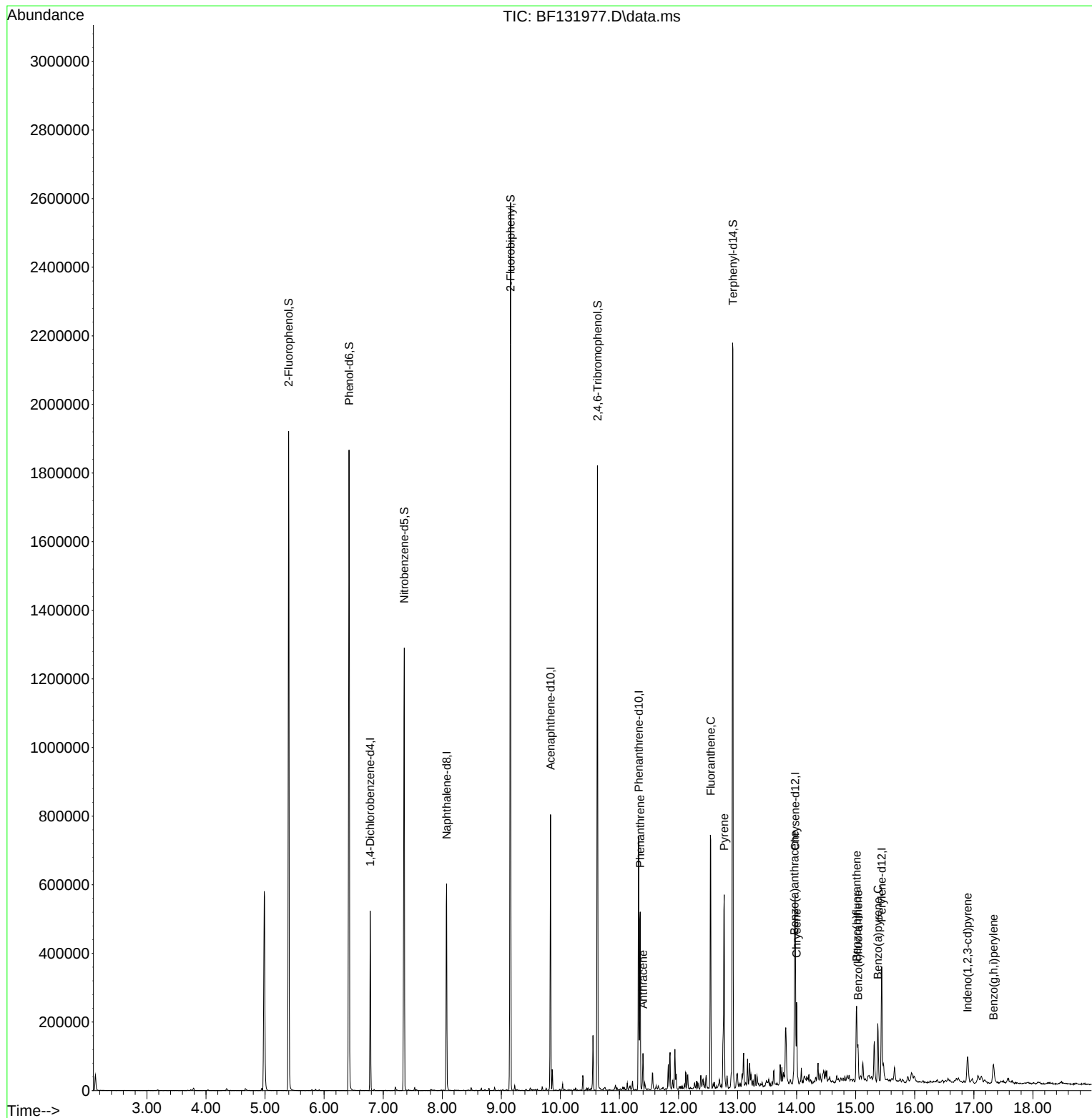
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131977.D
Acq On : 09 Jan 2023 22:39
Operator : CG\JU
Sample : 01065-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

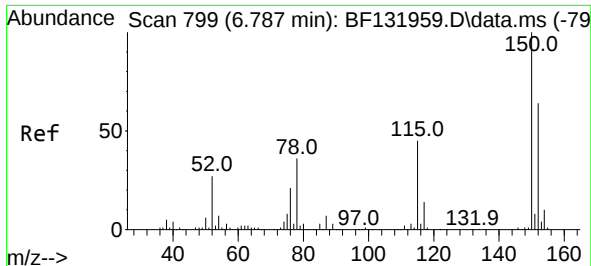
Instrument :
BNA_F
ClientSampleId :
VNJ-210

Manual Integrations
APPROVED

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

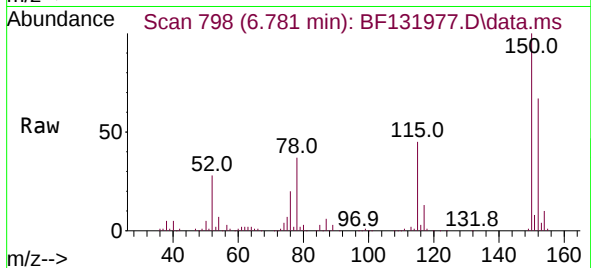
Quant Time: Jan 10 03:15:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

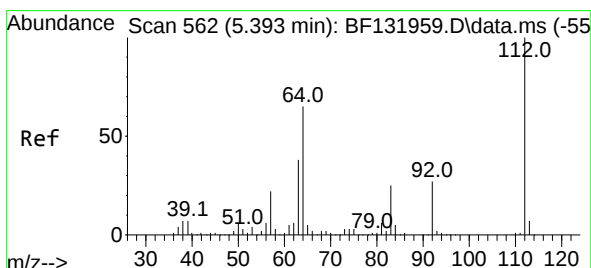
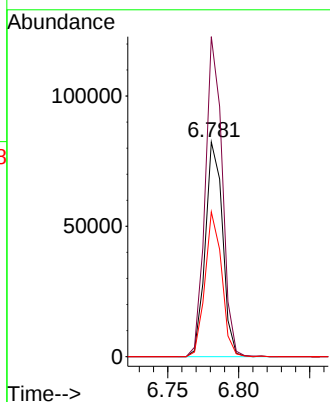
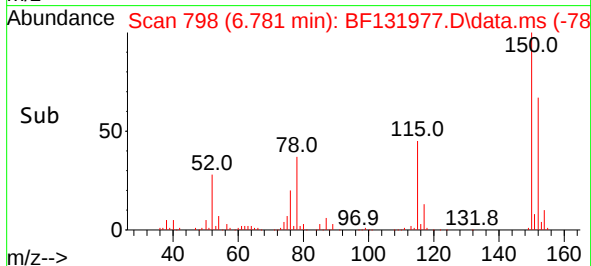
Instrument :
BNA_F
ClientSampleId :
VNJ-210



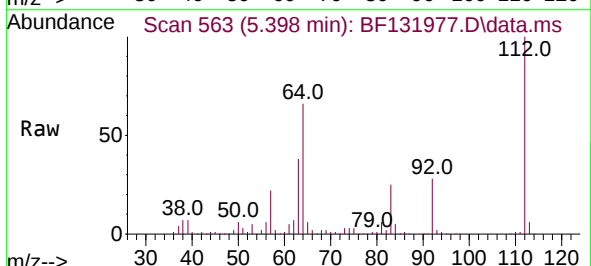
Tgt Ion:152 Resp: 69348
Ion Ratio Lower Upper
152 100
150 149.0 124.6 186.8
115 67.4 55.6 83.4

Manual Integrations
APPROVED

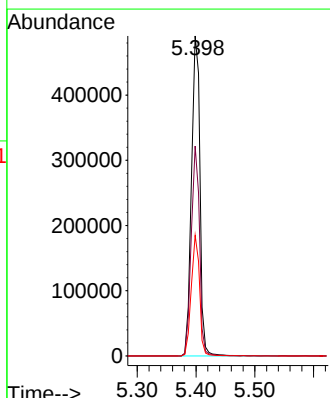
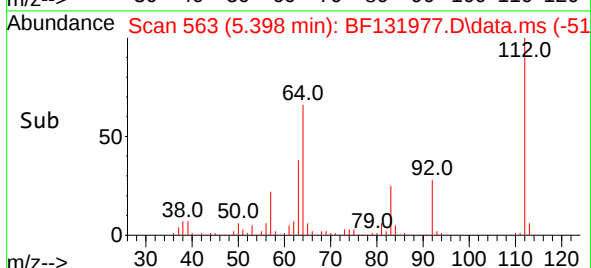
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

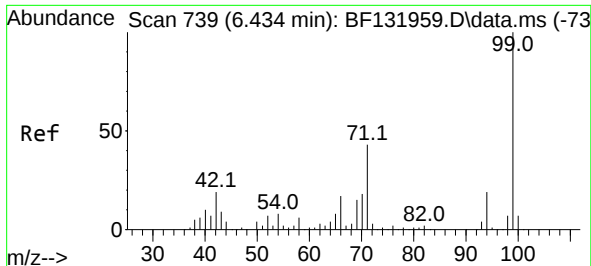


#5
2-Fluorophenol
Concen: 116.889 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39



Tgt Ion:112 Resp: 491934
Ion Ratio Lower Upper
112 100
64 65.6 51.9 77.9
63 37.7 30.2 45.2





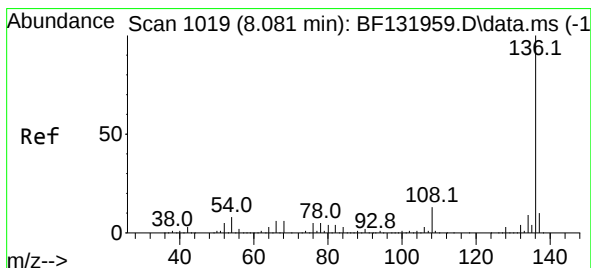
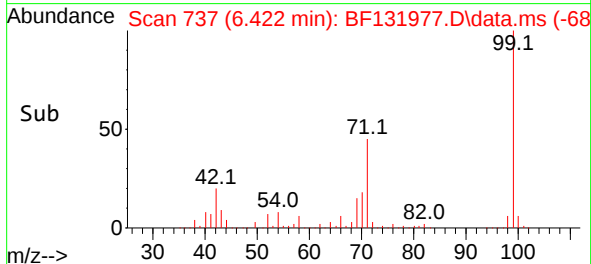
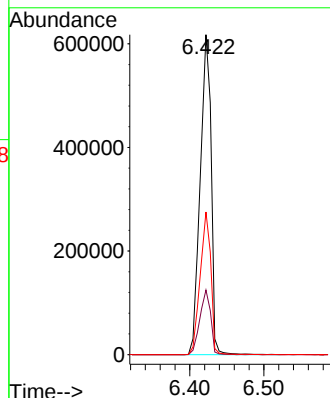
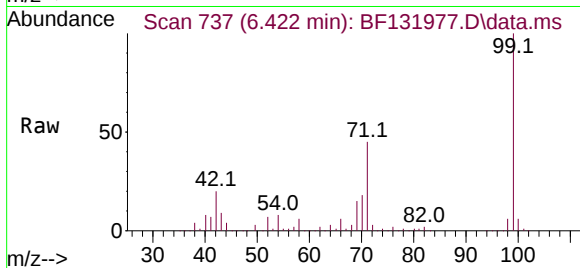
#7
Phenol-d6
Concen: 113.651 ng
RT: 6.422 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Instrument :
BNA_F
ClientSampleId :
VNJ-210

Tgt Ion: 99 Resp: 634180
Ion Ratio Lower Upper
99 100
42 20.2 15.4 23.2
71 44.6 34.6 51.8

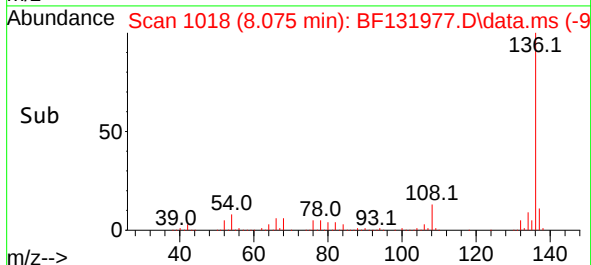
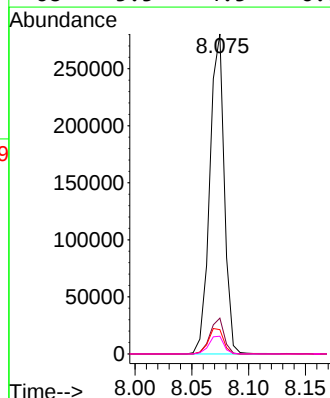
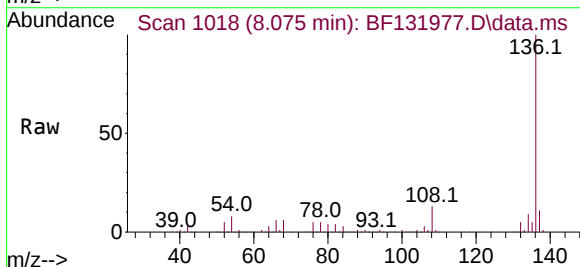
Manual Integrations
APPROVED

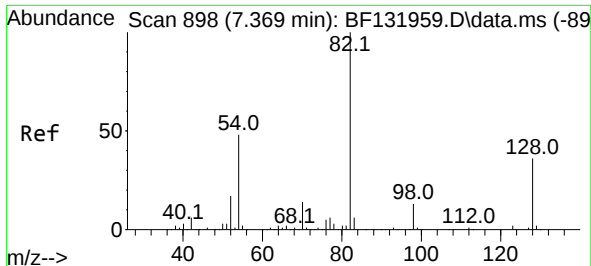
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion:136 Resp: 250099
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 7.6 6.6 9.8
68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 74.098 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion: 82 Resp: 446512

Ion Ratio Lower Upper

82 100

128 36.1 28.7 43.1

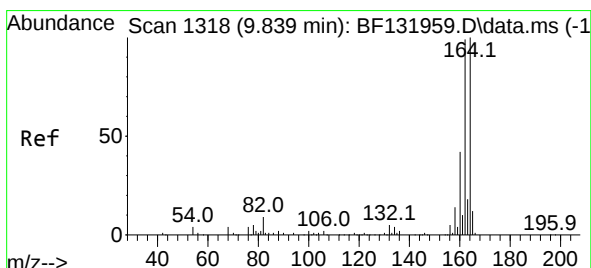
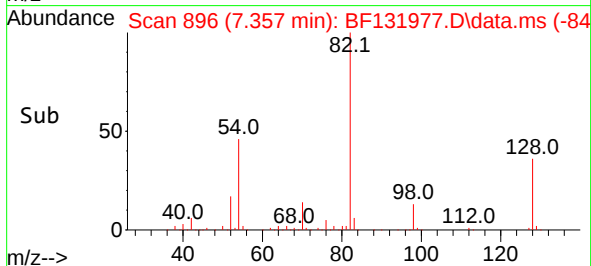
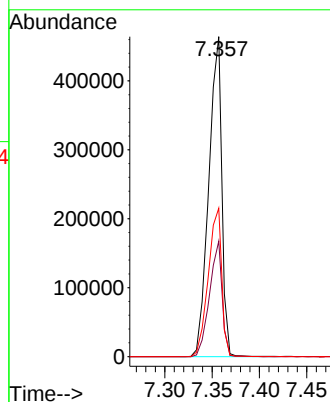
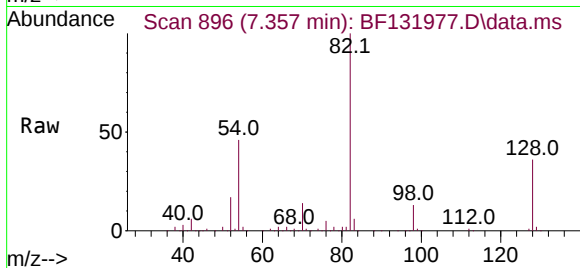
54 46.4 38.1 57.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

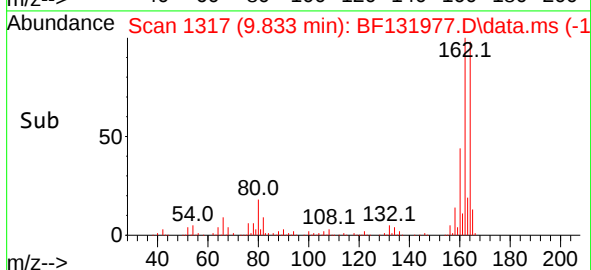
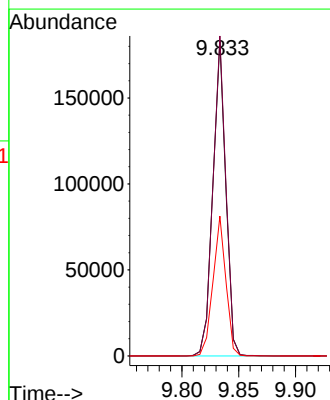
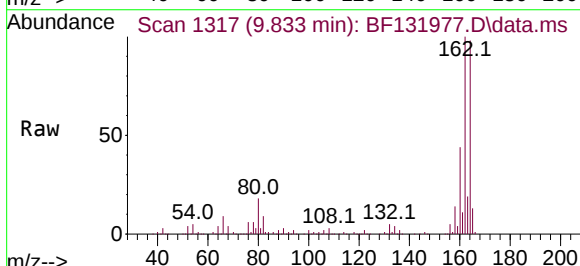
Tgt Ion:164 Resp: 145392

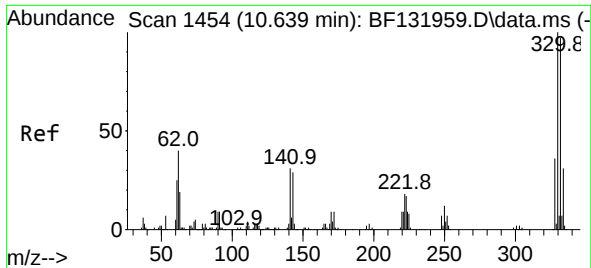
Ion Ratio Lower Upper

164 100

162 101.6 79.4 119.0

160 44.4 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 104.943 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

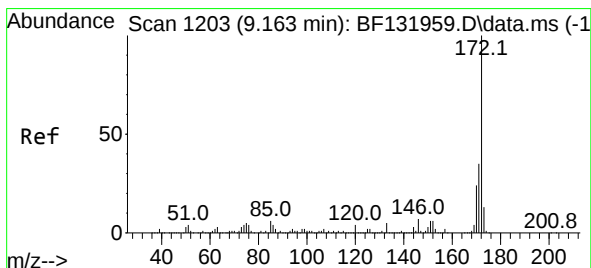
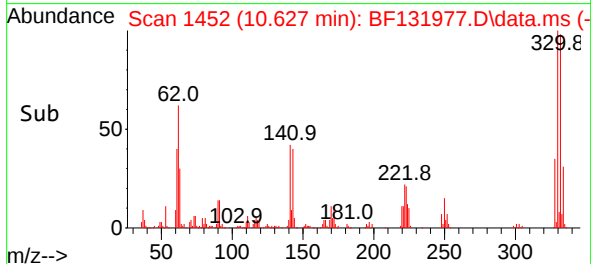
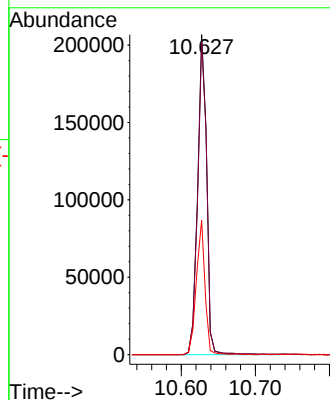
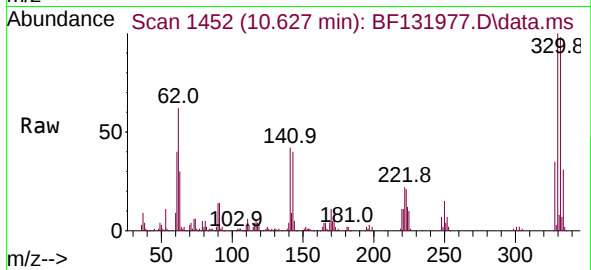
Tgt Ion:	330	Resp:	175433
Ion Ratio	Lower	Upper	
330	100		
332	98.2	76.9	115.3
141	40.0	31.3	46.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#45

2-Fluorobiphenyl

Concen: 70.253 ng

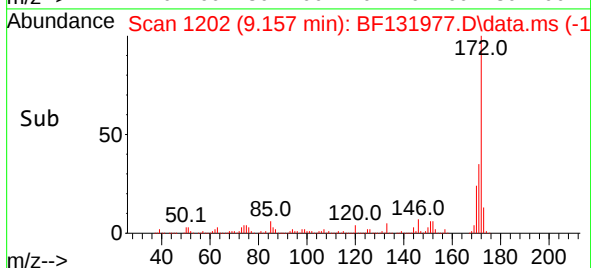
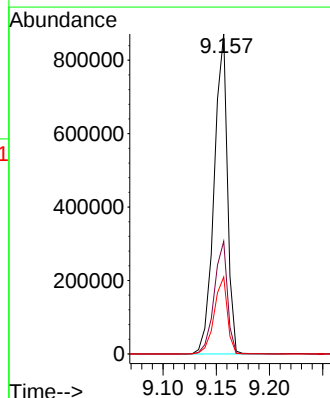
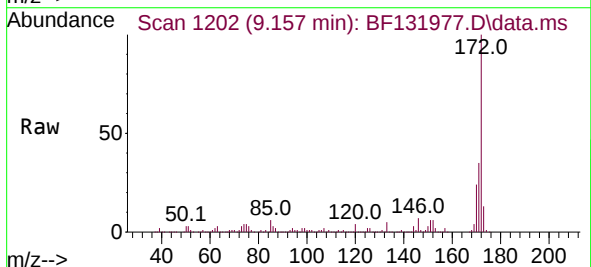
RT: 9.157 min Scan# 1202

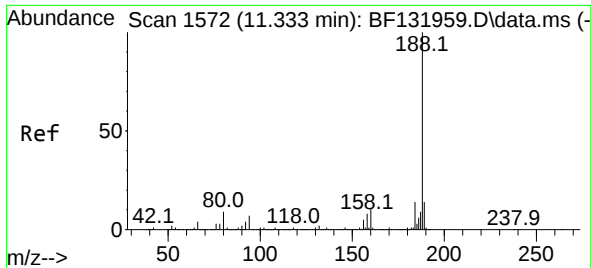
Delta R.T. -0.006 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Tgt Ion:	172	Resp:	756631
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.0	42.0
170	24.0	18.9	28.3





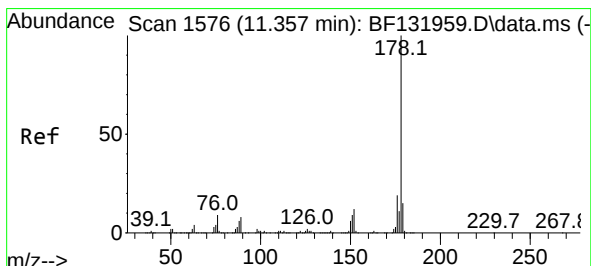
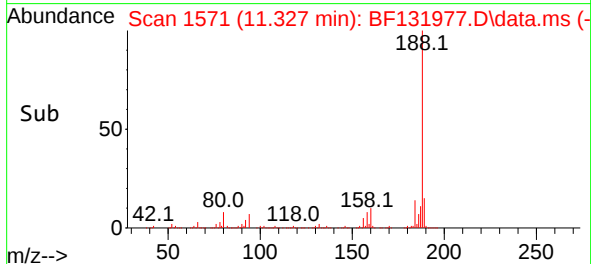
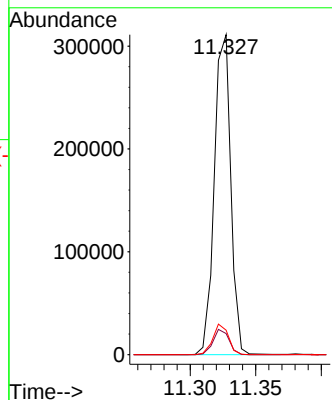
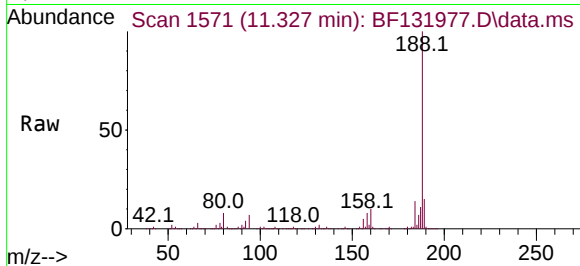
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Instrument :
BNA_F
ClientSampleId :
VNJ-210

Tgt Ion:188 Resp: 272444
Ion Ratio Lower Upper
188 100
94 6.6 5.8 8.6
80 7.6 7.4 11.0

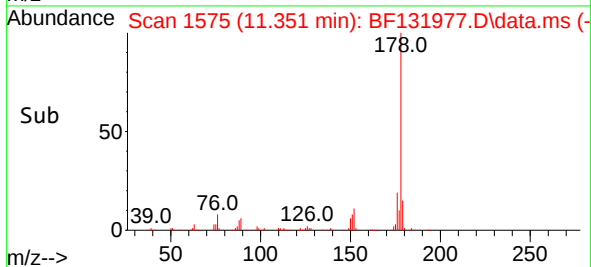
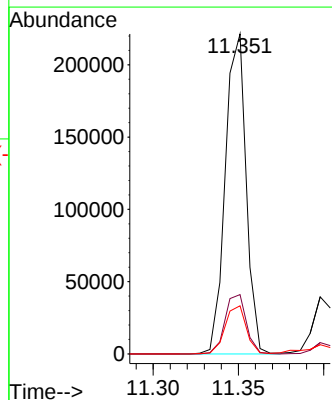
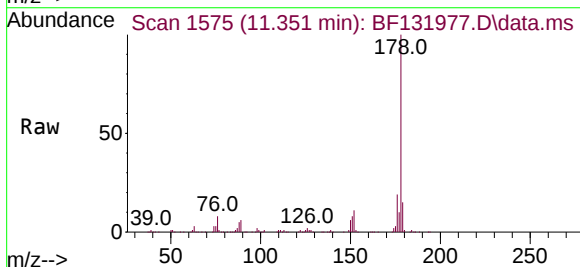
Manual Integrations
APPROVED

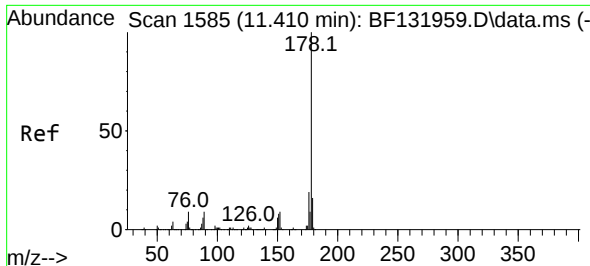
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#71
Phenanthrene
Concen: 13.256 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

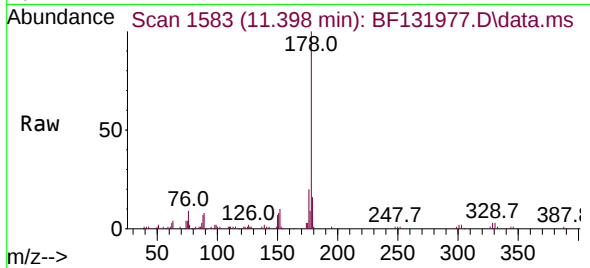
Tgt Ion:178 Resp: 188269
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 2.267 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39

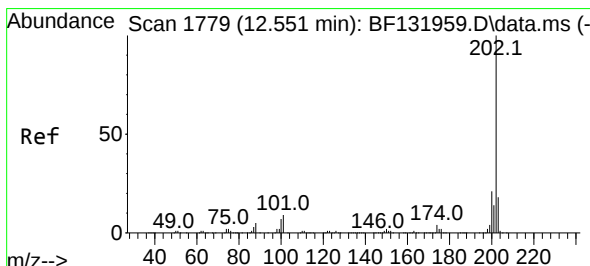
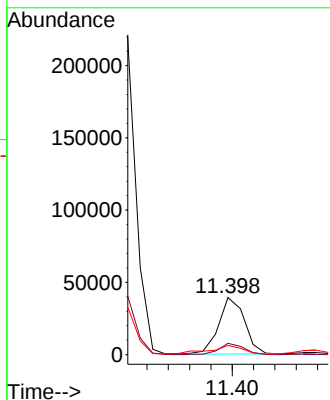
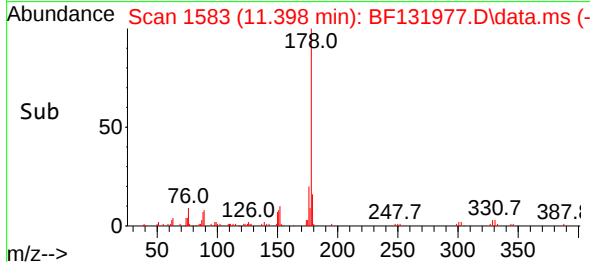
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210



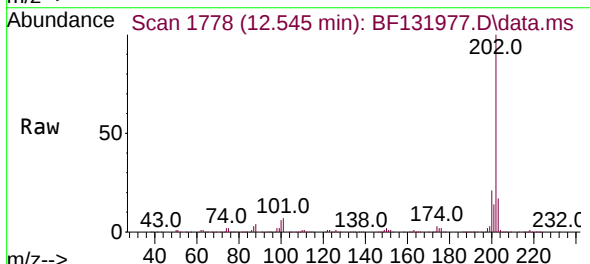
Tgt Ion:178 Resp: 33143
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.3 22.9
 179 16.2 12.6 19.0

Manual Integrations
 APPROVED

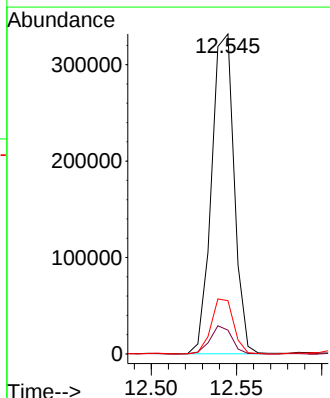
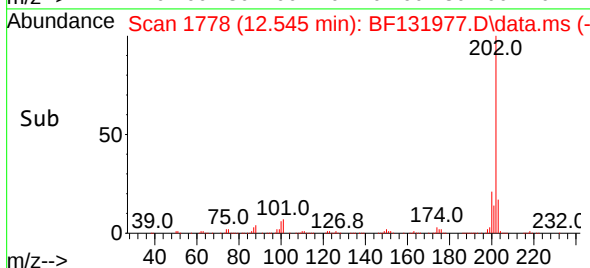
Reviewed By :Christian Giraldo 01/10/2023
 Supervised By :Jagrut Upadhyay 01/10/2023

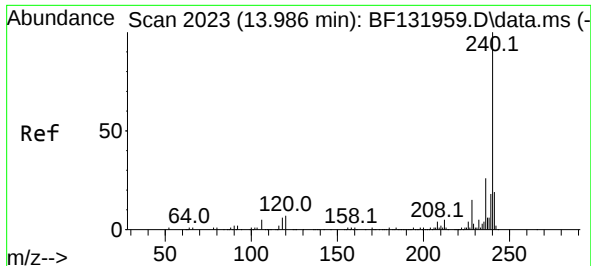


#75
 Fluoranthene
 Concen: 19.175 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39



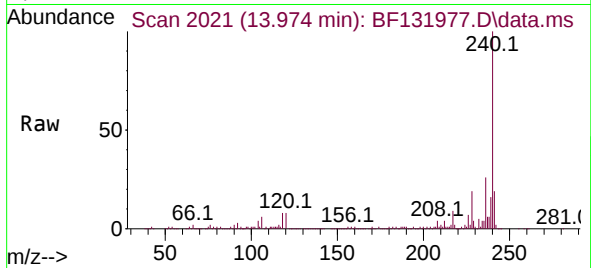
Tgt Ion:202 Resp: 306272
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 28.8
 203 16.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

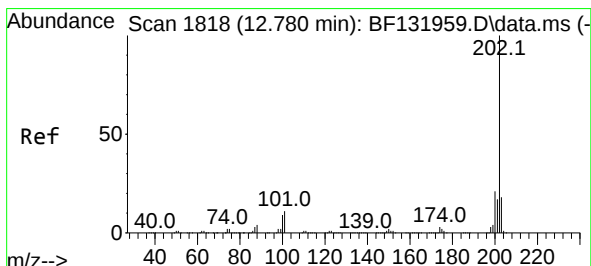
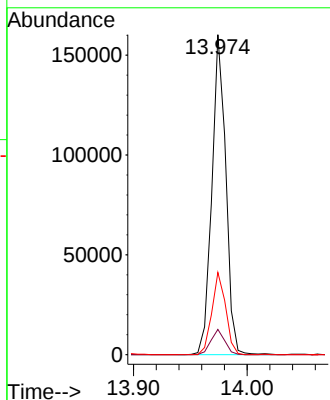
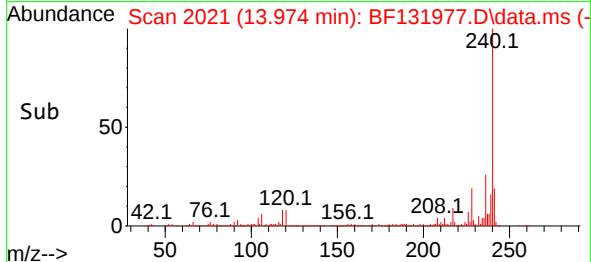
Instrument :
BNA_F
ClientSampleId :
VNJ-210



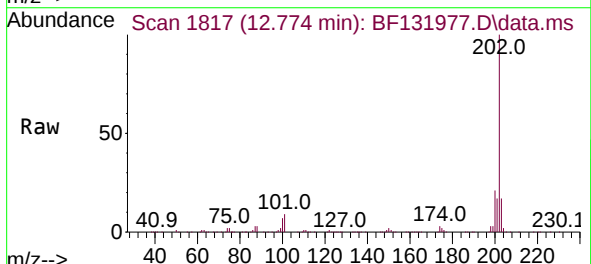
Tgt Ion:240 Resp: 136701
Ion Ratio Lower Upper
240 100
120 7.9 5.4 8.0
236 25.7 21.1 31.7

Manual Integrations
APPROVED

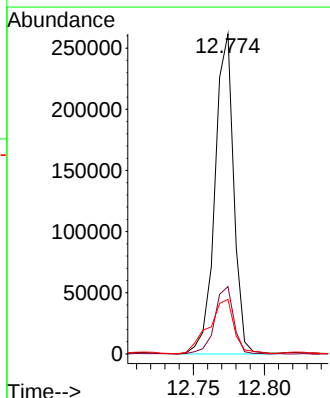
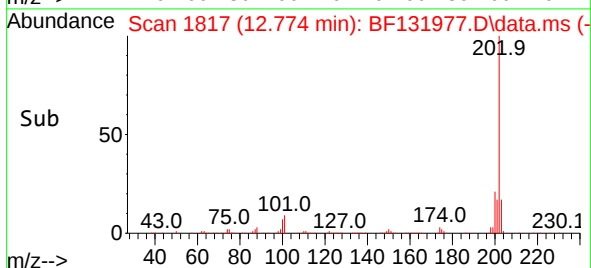
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

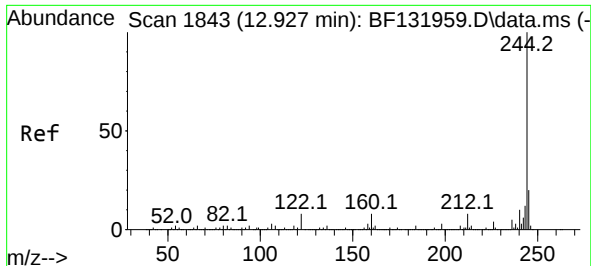


#78
Pyrene
Concen: 19.381 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39



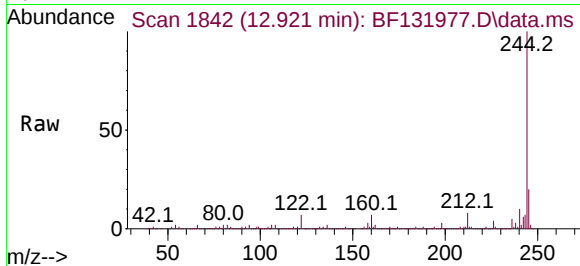
Tgt Ion:202 Resp: 241642
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.0 14.1 21.1





#79
 Terphenyl-d14
 Concen: 81.604 ng
 RT: 12.921 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39

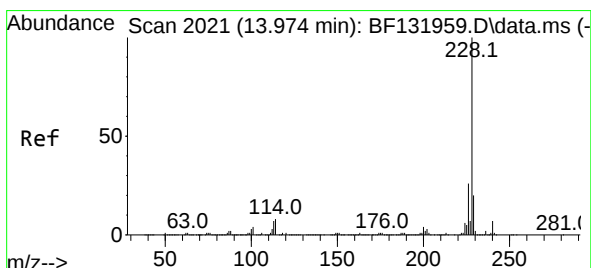
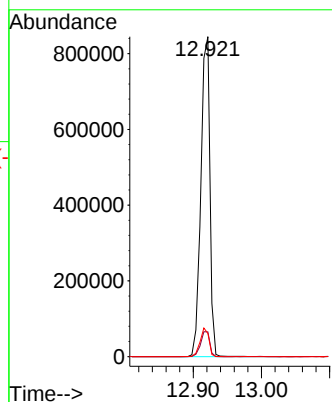
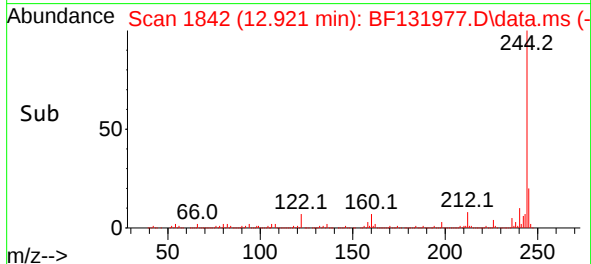
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210



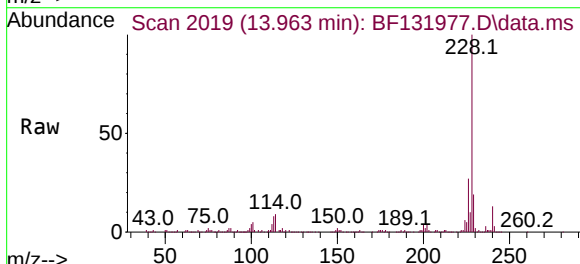
Tgt Ion:244 Resp: 778311
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 7.2 6.8 10.2

Manual Integrations
 APPROVED

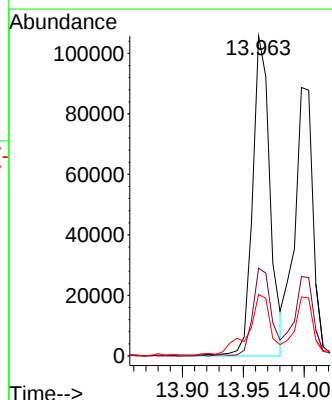
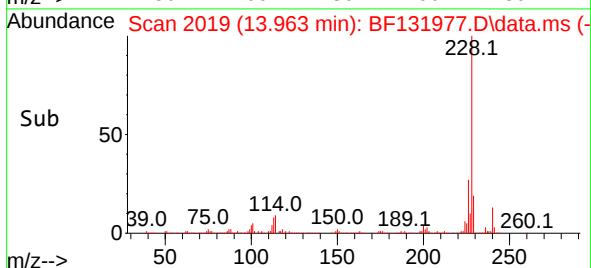
Reviewed By :Christian Giraldo 01/10/2023
 Supervised By :Jagrut Upadhyay 01/10/2023

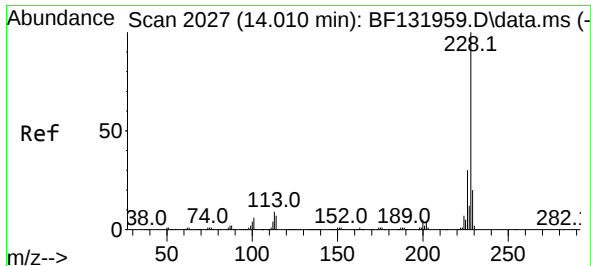


#81
 Benzo(a)anthracene
 Concen: 10.588 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.012 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39



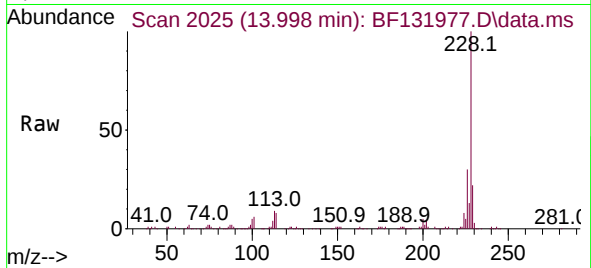
Tgt Ion:228 Resp: 105303
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.0 31.4
 229 19.2 15.8 23.6





#83
Chrysene
Concen: 10.068 ng
RT: 13.998 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

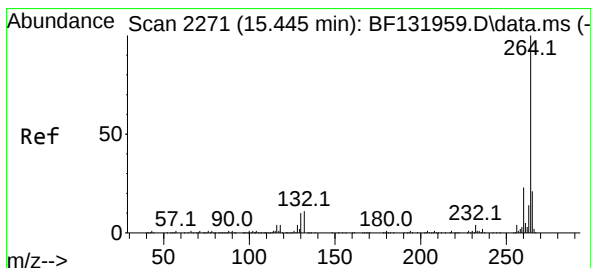
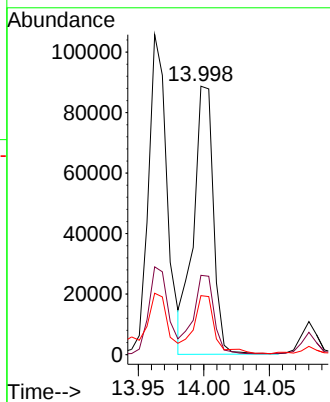
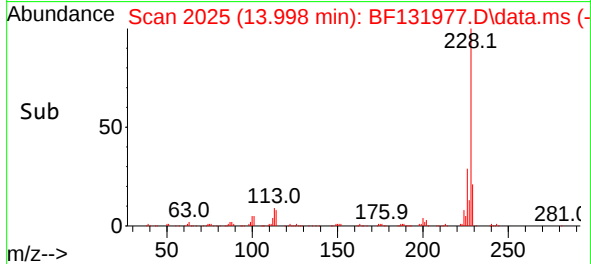
Instrument :
BNA_F
Client SampleId :
VNJ-210



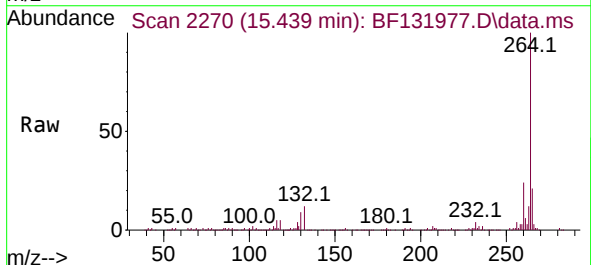
Tgt Ion:228 Resp: 93572
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 22.0 16.2 24.4

Manual Integrations
APPROVED

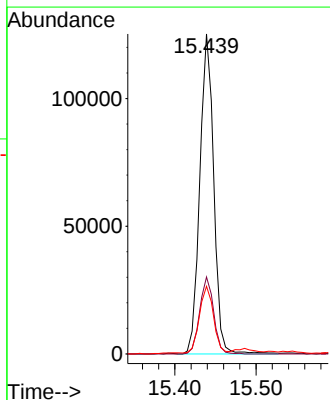
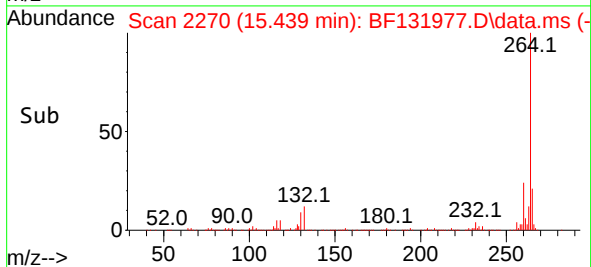
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

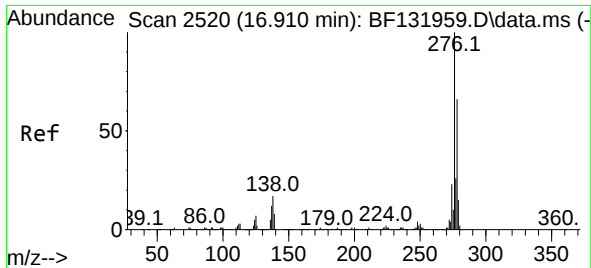


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39



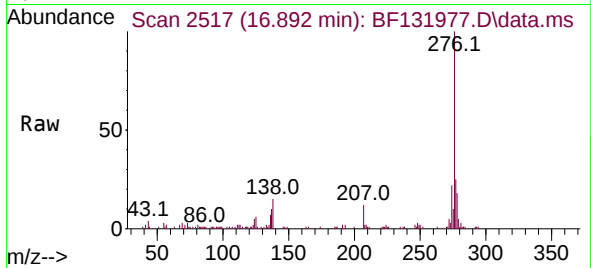
Tgt Ion:264 Resp: 149112
Ion Ratio Lower Upper
264 100
260 24.0 18.3 27.5
265 21.1 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.461 ng
RT: 16.892 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

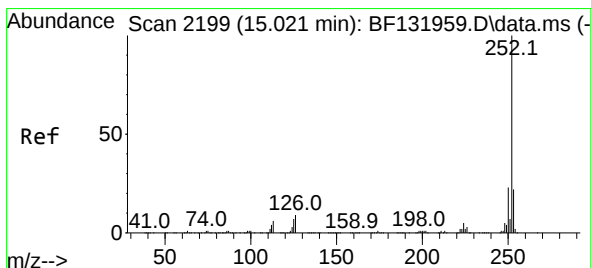
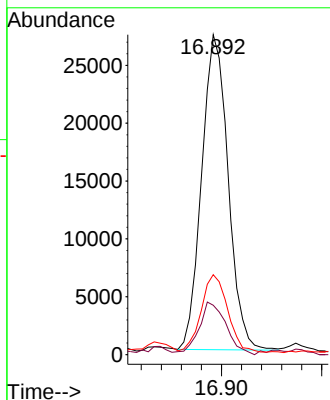
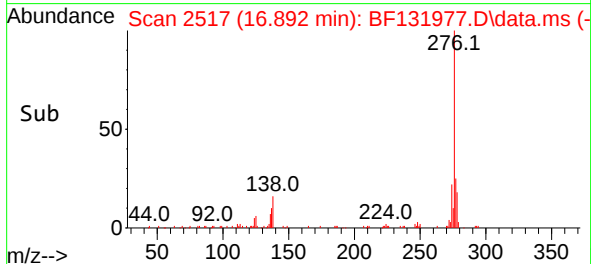
Instrument :
BNA_F
ClientSampleId :
VNJ-210



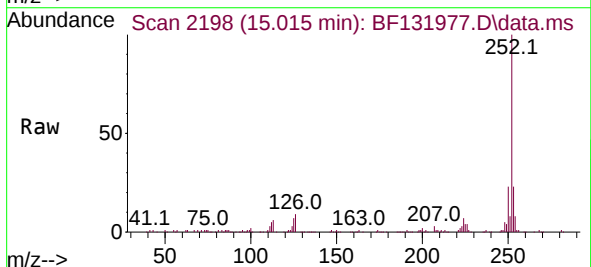
Tgt Ion:276 Resp: 49939
Ion Ratio Lower Upper
276 100
138 17.0 14.2 21.2
277 24.9 20.2 30.4

Manual Integrations
APPROVED

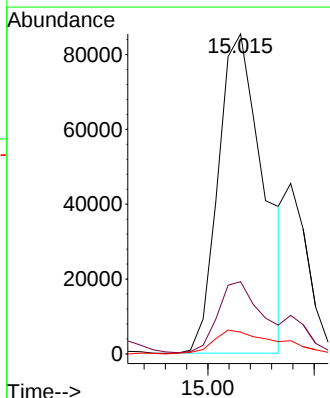
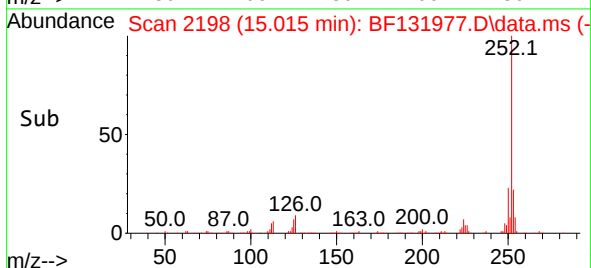
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

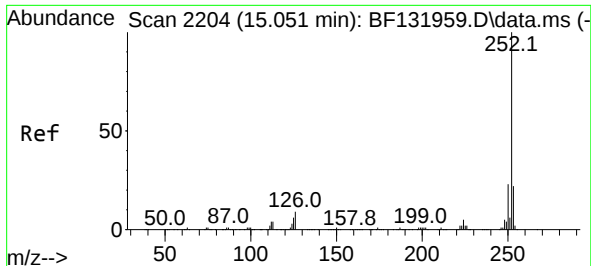


#88
Benzo(b)fluoranthene
Concen: 12.360 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39



Tgt Ion:252 Resp: 126411
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 6.8 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 3.233 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

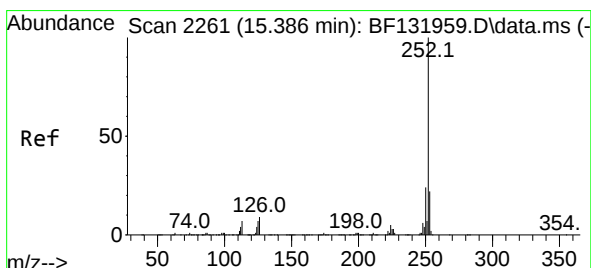
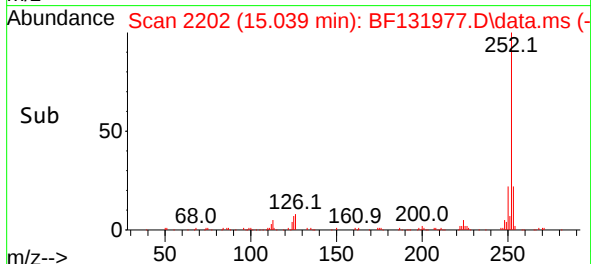
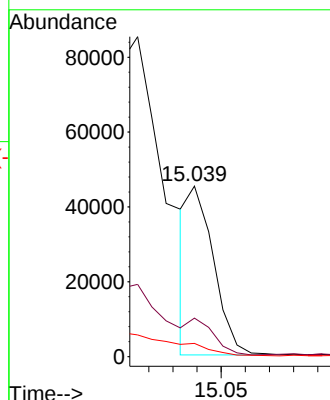
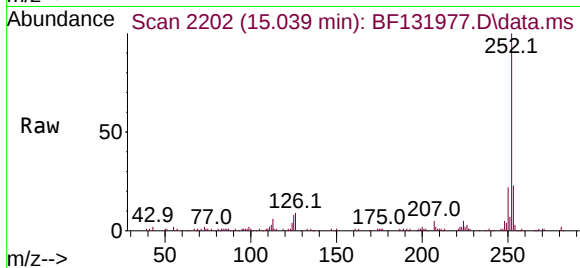
VNJ-210

Tgt Ion:252 Resp: 32997
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.6
 125 7.7 5.2 7.8

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 8.647 ng

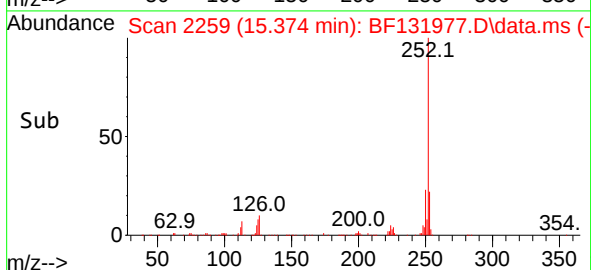
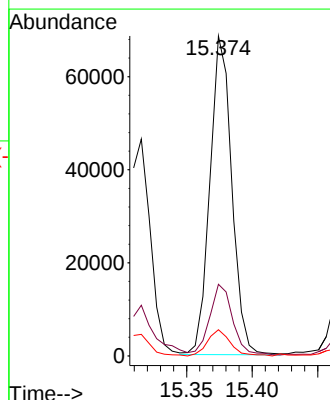
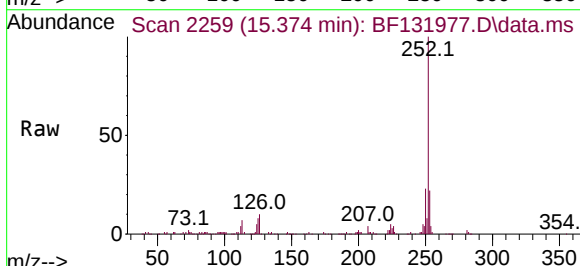
RT: 15.374 min Scan# 2259

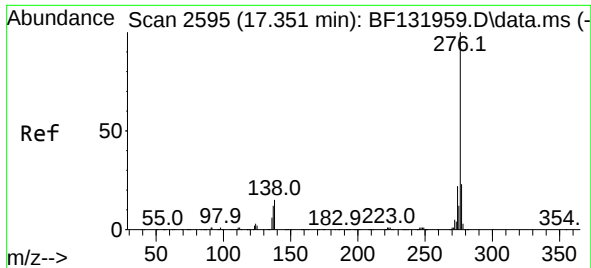
Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

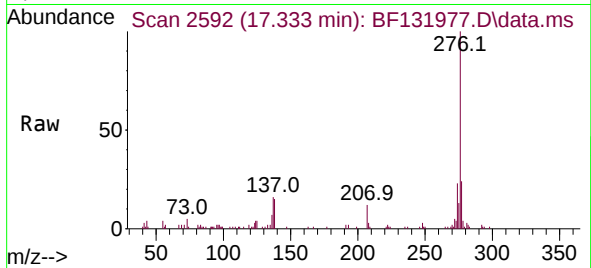
Tgt Ion:252 Resp: 79682
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 8.2 5.7 8.5





#92
 Benzo(g,h,i)perylene
 Concen: 8.873 ng
 RT: 17.333 min Scan# 2592
 Delta R.T. -0.018 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210



Tgt Ion: 276 Resp: 47376
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.2 27.2
 138 15.2 11.7 17.5

Manual Integrations
 APPROVED

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

