

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012924\
 Data File : BF137189.D
 Acq On : 29 Jan 2024 14:39
 Operator : CG\JU
 Sample : P1240-07DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2024
 Supervised By :mohammad ahmed 01/31/2024

Quant Time: Jan 29 15:00:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 02:14:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	50364	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	204407	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	114414	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	192660	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	128031	20.000	ng	0.00
86) Perylene-d12	15.468	264	122574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	22950	7.917	ng	-0.01
7) Phenol-d6	6.422	99	29555	7.144	ng	-0.01
23) Nitrobenzene-d5	7.351	82	17998	3.994	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	7359	5.757	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	51684	6.342	ng	-0.01
79) Terphenyl-d14	12.922	244	47138	5.164	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.098	128	62843	5.807	ng	97
37) 2-Methylnaphthalene	8.787	142	32252	4.384	ng	98
38) 1-Methylnaphthalene	8.887	142	19441	2.815	ng	97
52) Acenaphthene	9.863	154	130436	20.394	ng	99
55) Dibenzofuran	10.039	168	100632	10.023	ng	98
58) Fluorene	10.381	166	116749	14.793	ng	97
71) Phenanthrene	11.351	178	449382	45.085	ng	100
72) Anthracene	11.398	178	64011	6.223	ng	99
75) Fluoranthene	12.545	202	389274	36.382	ng	99
78) Pyrene	12.775	202	286163	24.279	ng	99
81) Benzo(a)anthracene	13.969	228	65447	7.151	ng	98
83) Chrysene	14.004	228	59574	6.532	ng	95
88) Benzo(b)fluoranthene	15.027	252	46995m	5.985	ng	
90) Benzo(a)pyrene	15.398	252	20712	2.924	ng	# 95

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

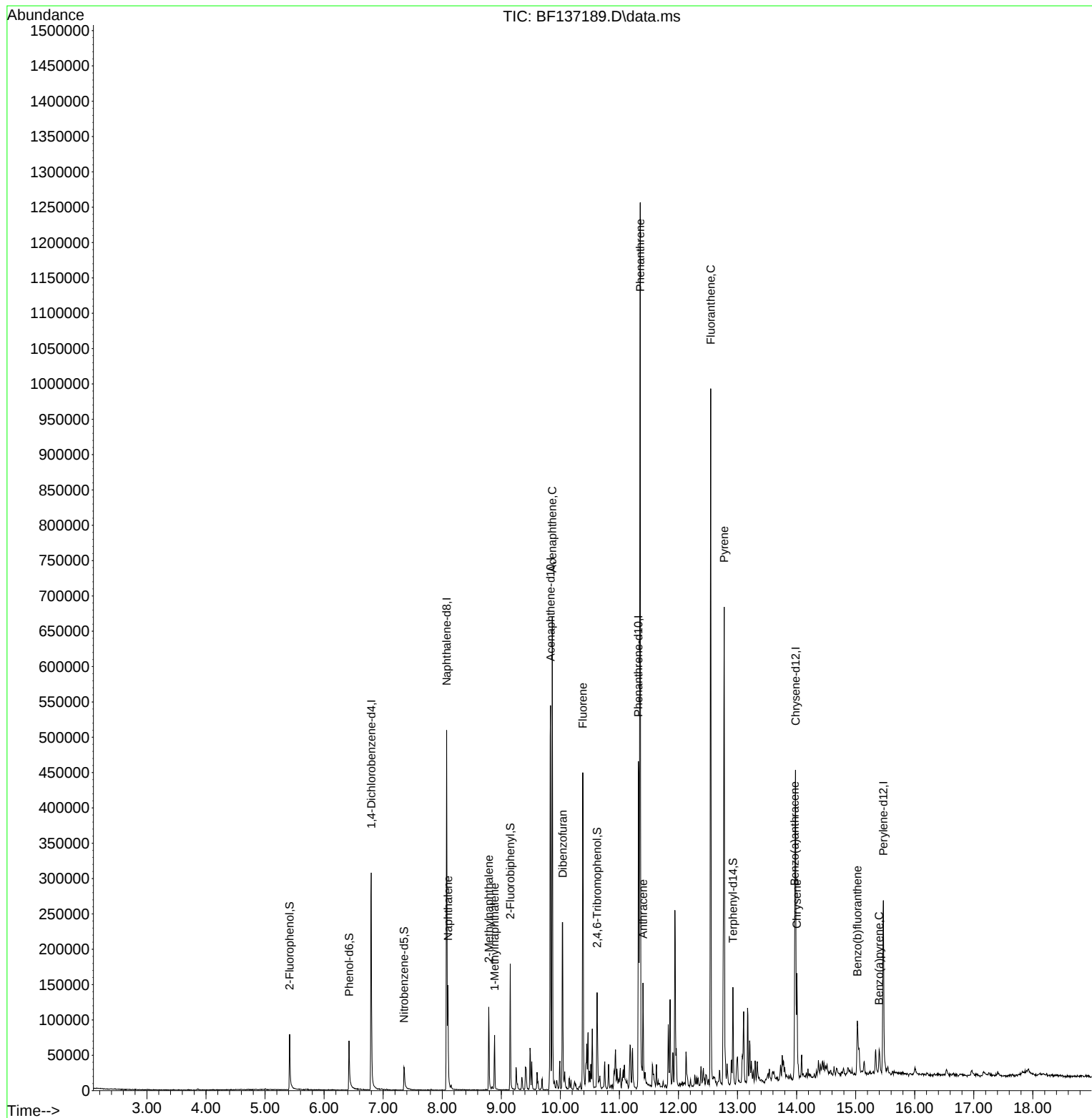
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012924\
Data File : BF137189.D
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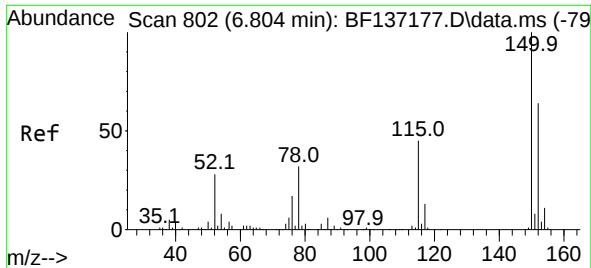
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL

Quant Time: Jan 29 15:00:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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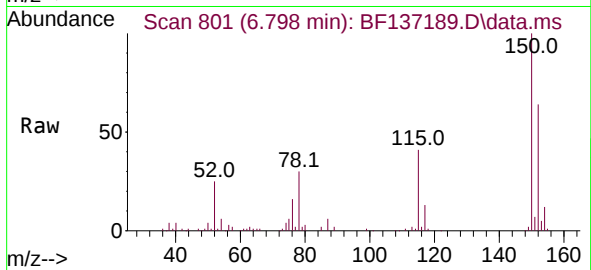
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

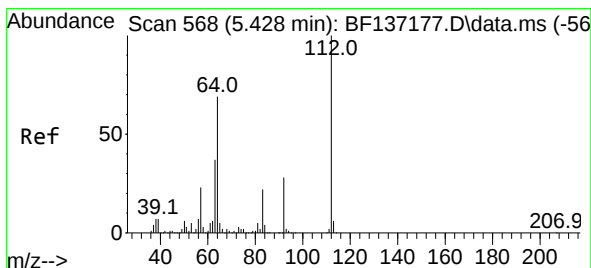
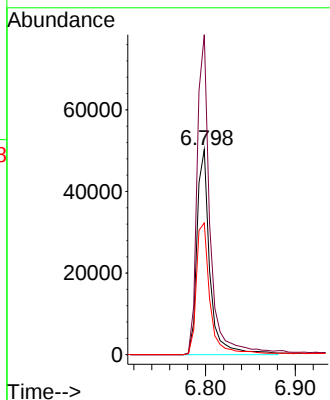
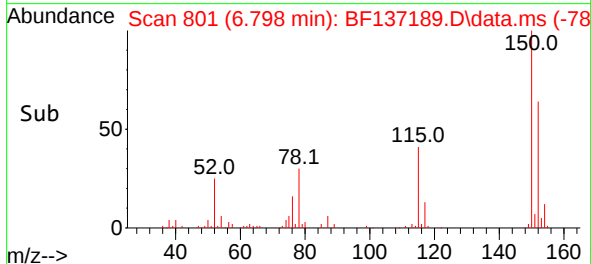
Instrument :
BNA_F
Client SampleId :
VNJ-223DL



Tgt Ion:152 Resp: 50364
Ion Ratio Lower Upper
152 100
150 156.0 125.6 188.4
115 64.2 55.9 83.9

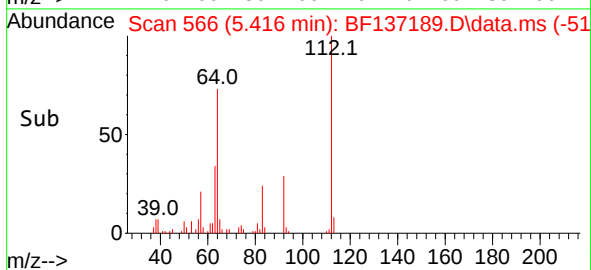
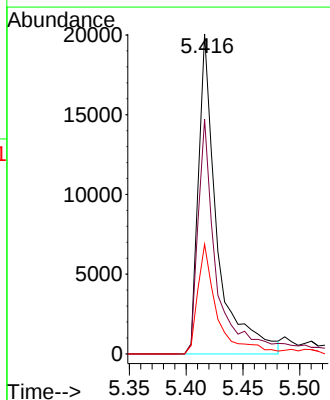
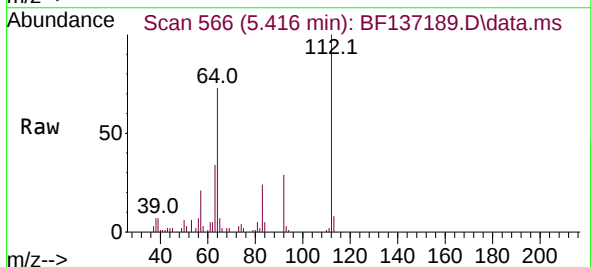
Manual Integrations
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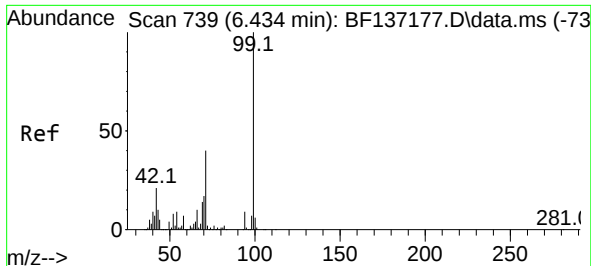
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#5
2-Fluorophenol
Concen: 7.917 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

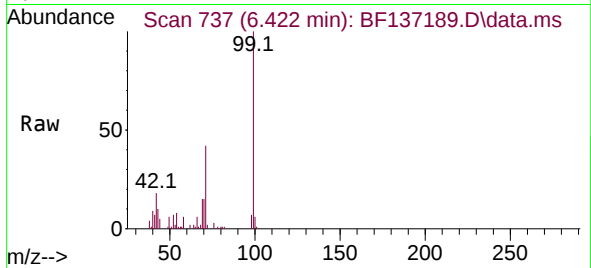
Tgt Ion:112 Resp: 22950
Ion Ratio Lower Upper
112 100
64 73.3 55.5 83.3
63 34.3 29.8 44.8





#7
Phenol-d6
Concen: 7.144 ng
RT: 6.422 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

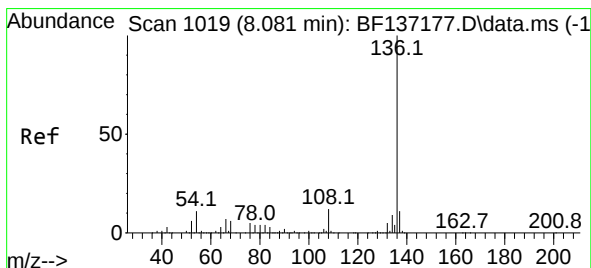
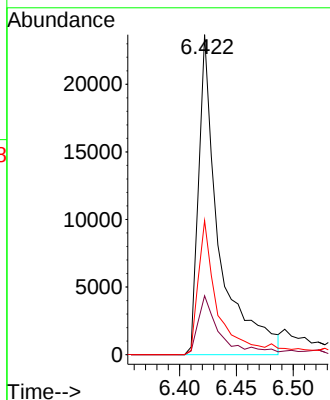
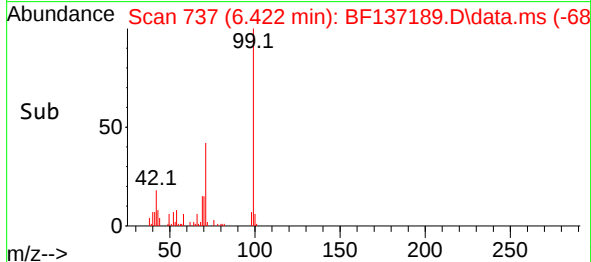
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



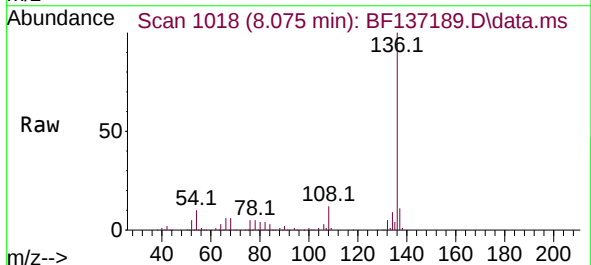
Tgt Ion:	99	Ratio	100	Lower	Upper
99	100				
42	18.4		16.6	25.0	
71	41.9		31.8	47.6	

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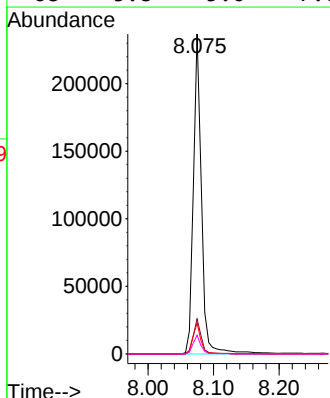
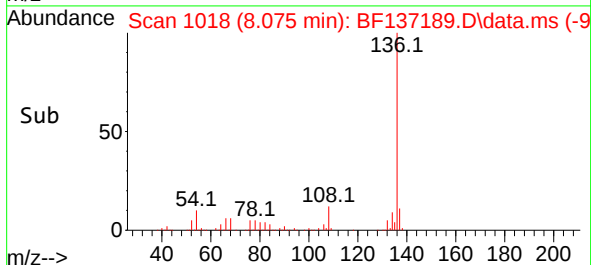
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024

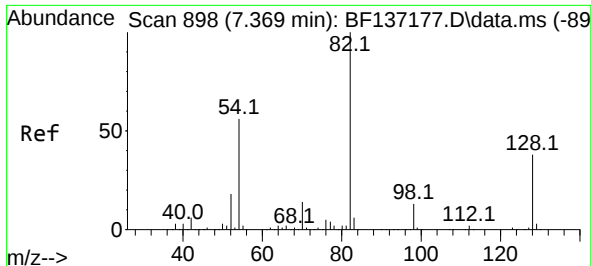


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39



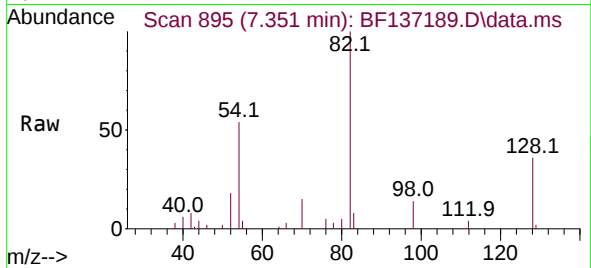
Tgt Ion:	136	Ratio	100	Lower	Upper
136	100				
137	10.9		8.7	13.1	
54	9.6		8.7	13.1	
68	5.8		5.0	7.6	





#23
Nitrobenzene-d5
Concen: 3.994 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

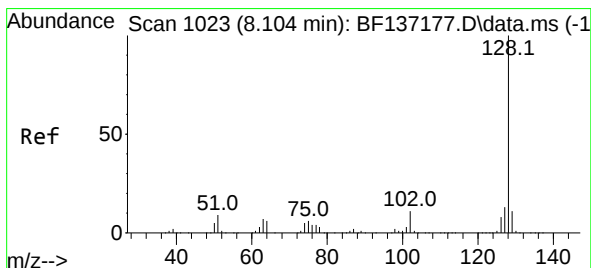
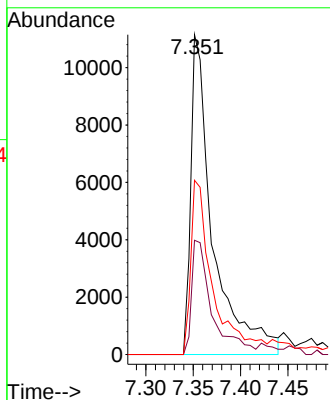
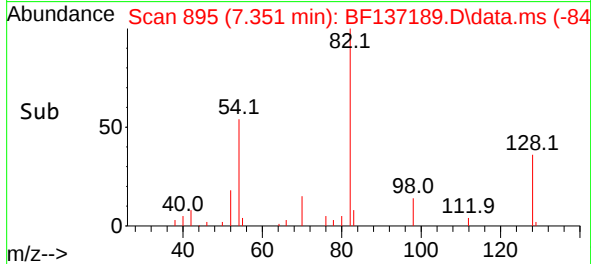
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion: 82 Resp: 17998
Ion Ratio Lower Upper
82 100
128 35.7 30.3 45.5
54 54.5 44.9 67.3

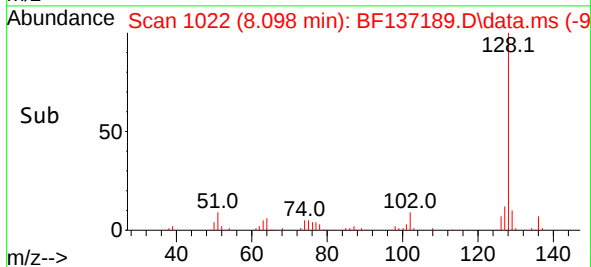
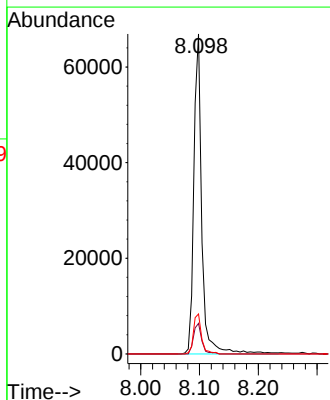
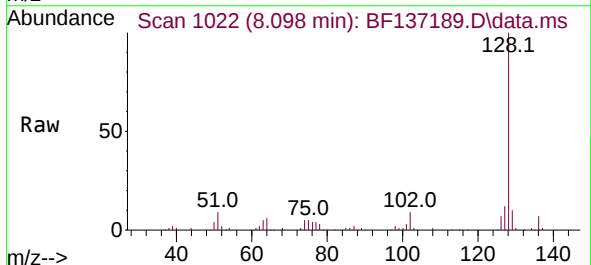
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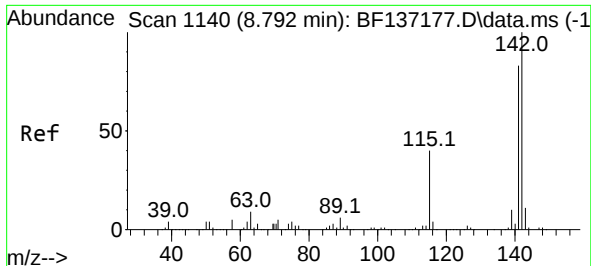
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#31
Naphthalene
Concen: 5.807 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

Tgt Ion:128 Resp: 62843
Ion Ratio Lower Upper
128 100
129 9.5 8.7 13.1
127 12.5 10.7 16.1





#37

2-Methylnaphthalene

Concen: 4.384 ng

RT: 8.787 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF137189.D

Acq: 29 Jan 2024 14:39

Instrument :

BNA_F

ClientSampleId :

VNJ-223DL

Tgt Ion:142 Resp: 3225

Ion Ratio Lower Upper

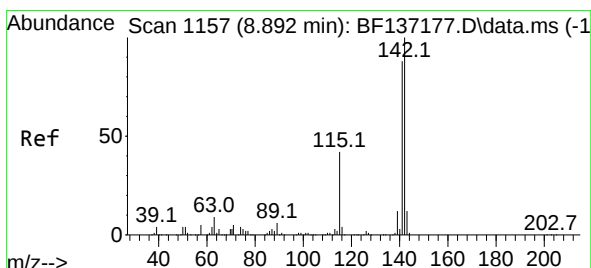
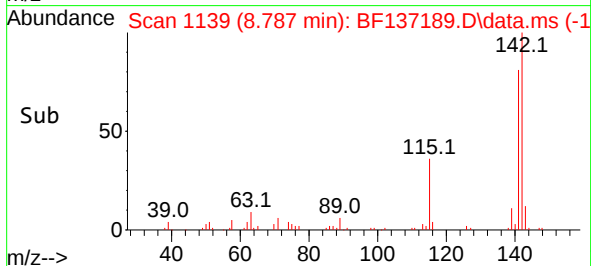
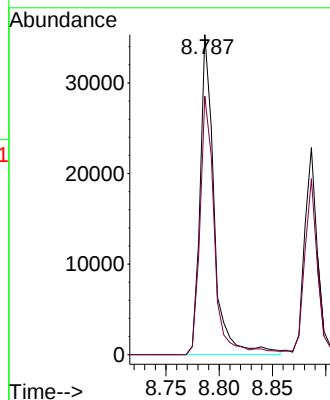
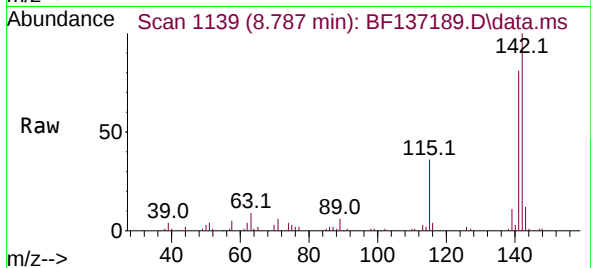
142 100

141 80.7 66.2 99.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#38

1-Methylnaphthalene

Concen: 2.815 ng

RT: 8.887 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF137189.D

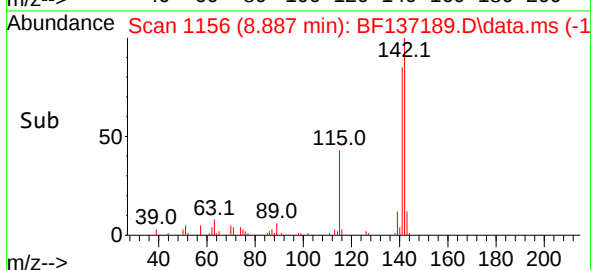
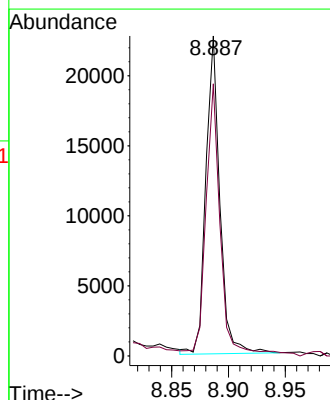
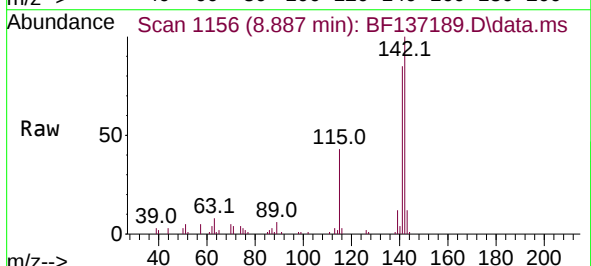
Acq: 29 Jan 2024 14:39

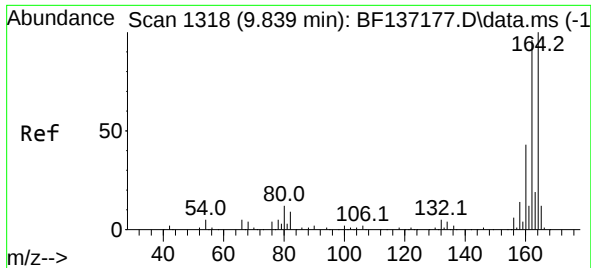
Tgt Ion:142 Resp: 19441

Ion Ratio Lower Upper

142 100

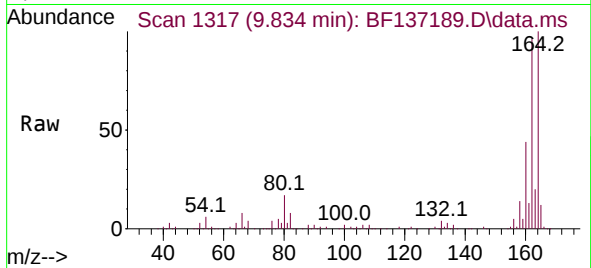
141 85.0 70.5 105.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

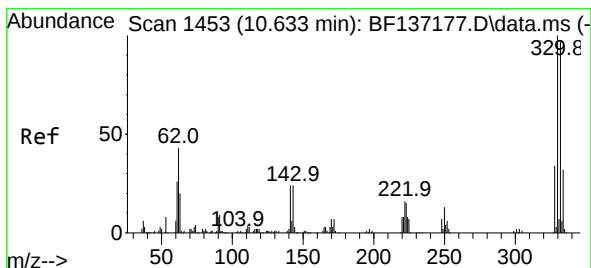
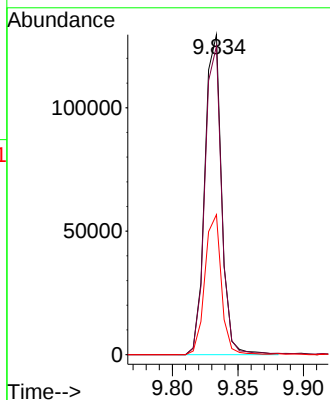
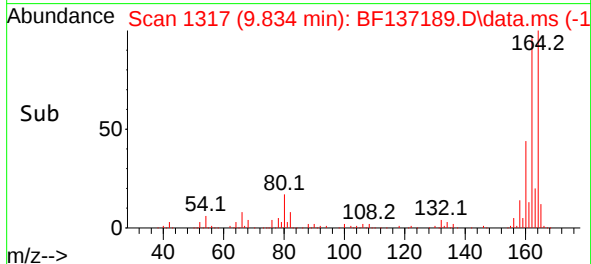
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



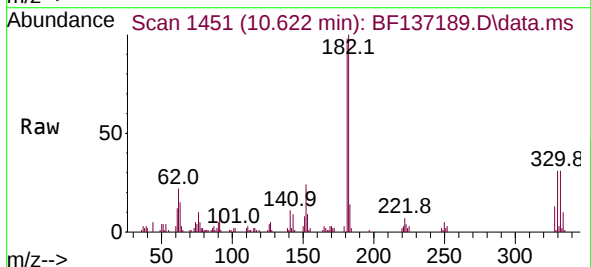
Tgt Ion:164 Resp: 114414
Ion Ratio Lower Upper
164 100
162 96.4 77.0 115.4
160 43.7 34.2 51.2

Manual Integrations
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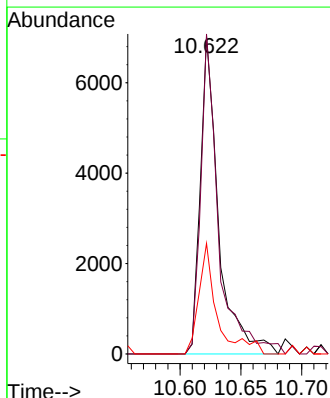
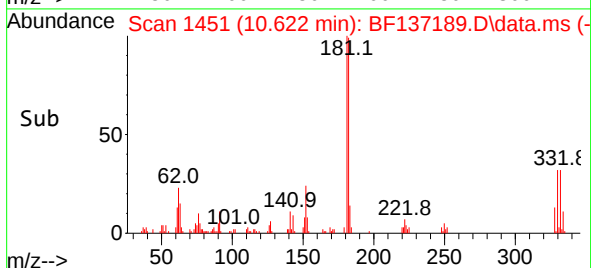
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024

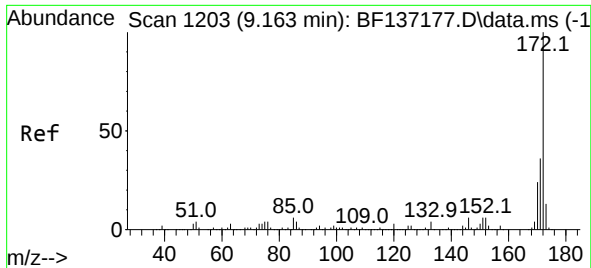


#42
2,4,6-Tribromophenol
Concen: 5.757 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39



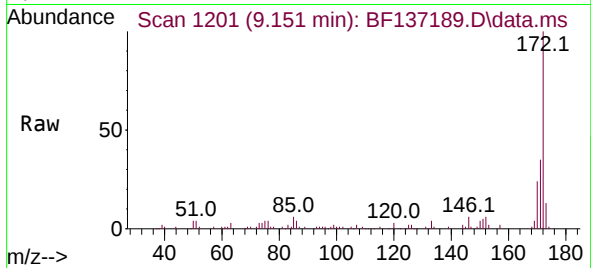
Tgt Ion:330 Resp: 7359
Ion Ratio Lower Upper
330 100
332 98.8 77.0 115.4
141 30.5 23.7 35.5





#45
2-Fluorobiphenyl
Concen: 6.342 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

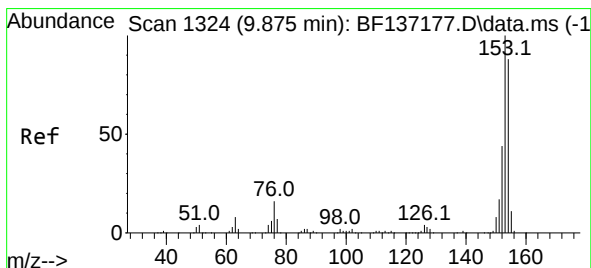
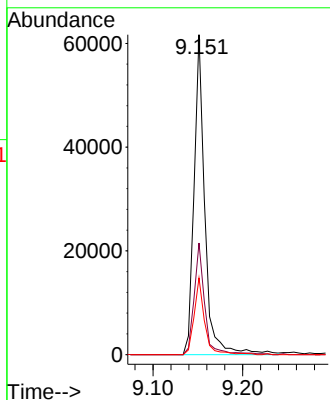
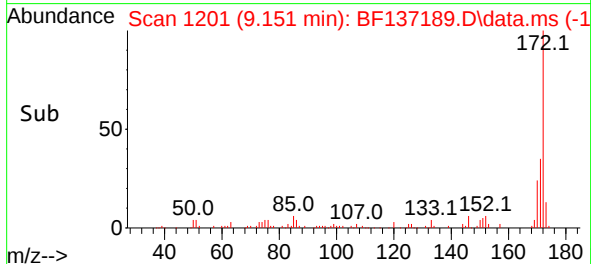
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:172 Resp: 51684
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 24.0 19.2 28.8

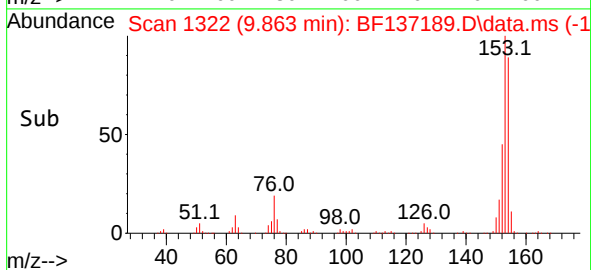
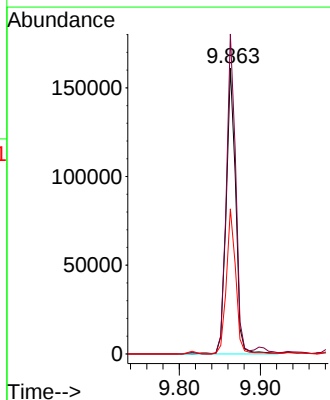
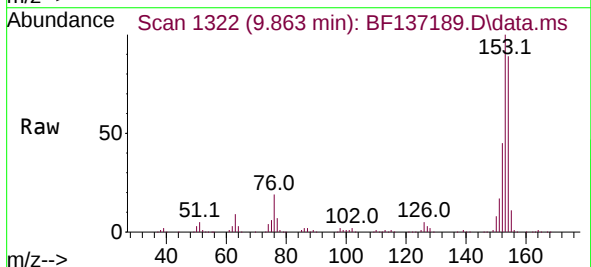
Manual Integrations
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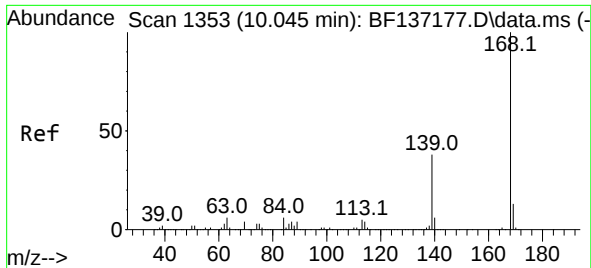
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#52
Acenaphthene
Concen: 20.394 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

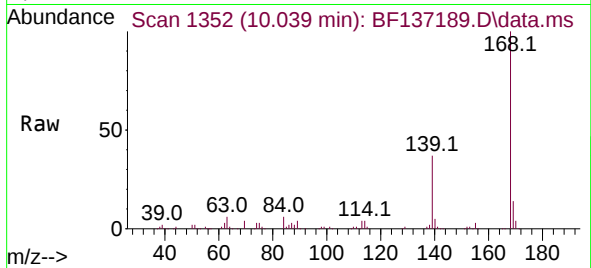
Tgt Ion:154 Resp: 130436
Ion Ratio Lower Upper
154 100
153 112.0 91.0 136.4
152 50.7 40.0 60.0





#55
Dibenzofuran
Concen: 10.023 ng
RT: 10.039 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

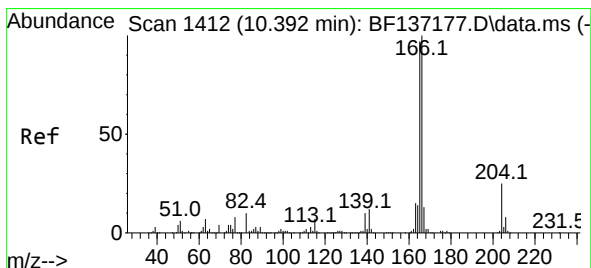
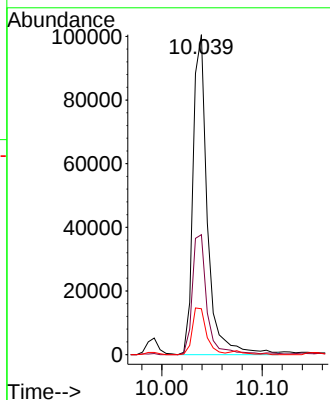
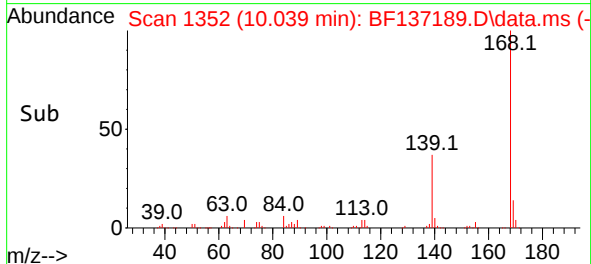
Instrument :
BNA_F
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VNJ-223DL



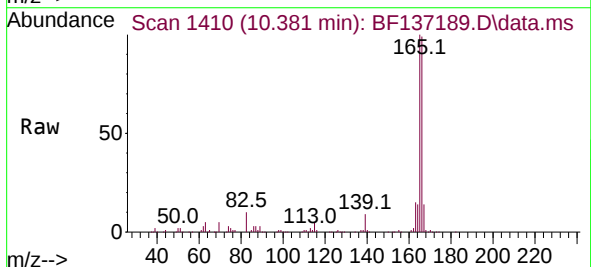
Tgt Ion:168 Resp: 100632
Ion Ratio Lower Upper
168 100
139 37.5 31.2 46.8
169 14.3 10.7 16.1

Manual Integrations
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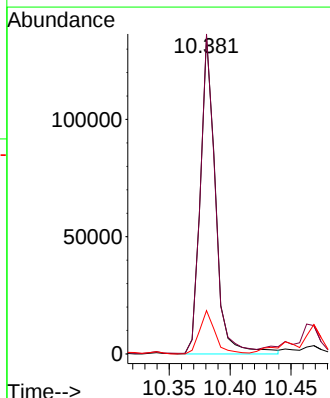
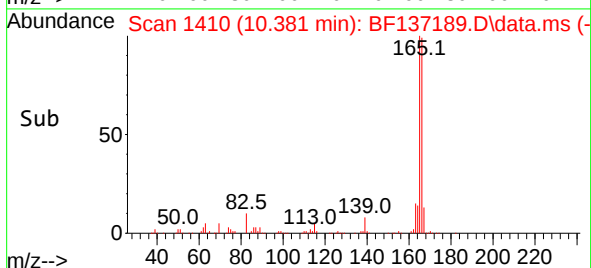
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024

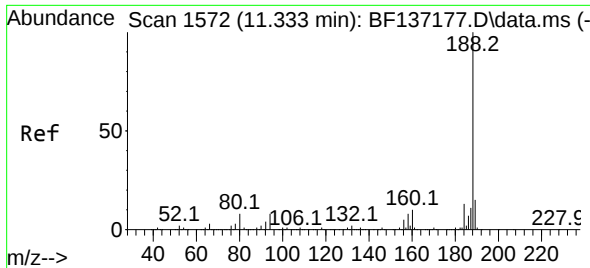


#58
Fluorene
Concen: 14.793 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39



Tgt Ion:166 Resp: 116749
Ion Ratio Lower Upper
166 100
165 100.9 77.8 116.8
167 13.6 10.4 15.6





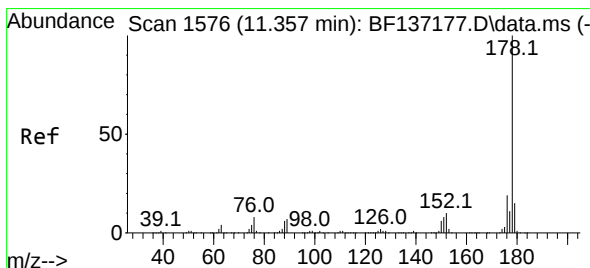
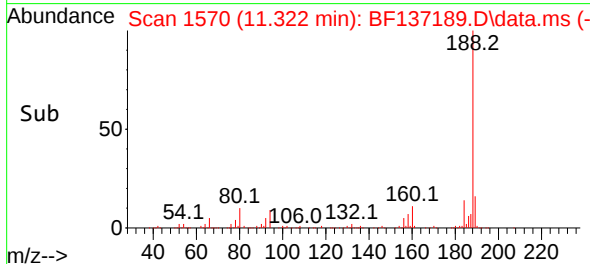
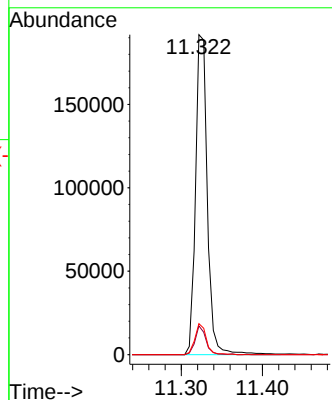
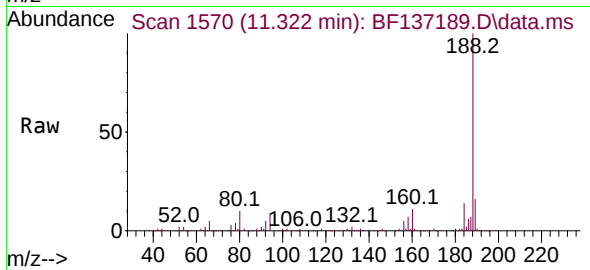
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

Instrument :
BNA_F
ClientSampleId :
VNJ-223DL

Tgt Ion:188 Resp: 192660
Ion Ratio Lower Upper
188 100
94 9.0 6.0 9.0
80 9.7 6.7 10.1

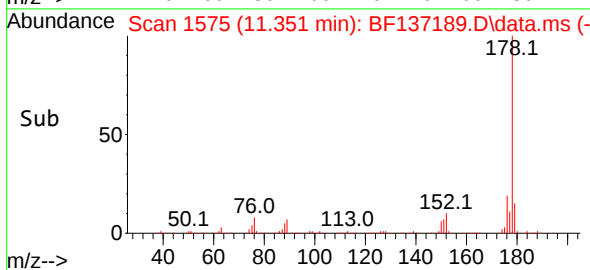
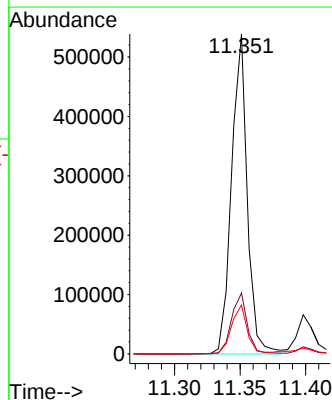
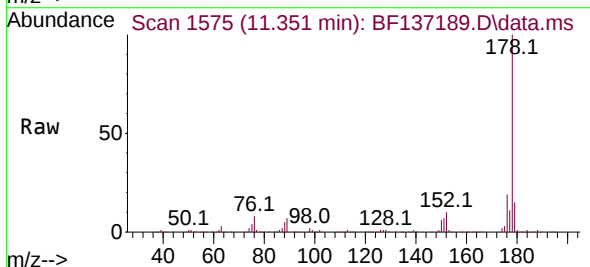
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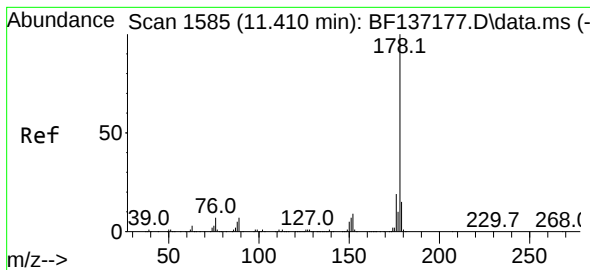
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#71
Phenanthrene
Concen: 45.085 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

Tgt Ion:178 Resp: 449382
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 11.9 17.9





#72

Anthracene

Concen: 6.223 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF137189.D

Acq: 29 Jan 2024 14:39

Instrument :

BNA_F

ClientSampleId :

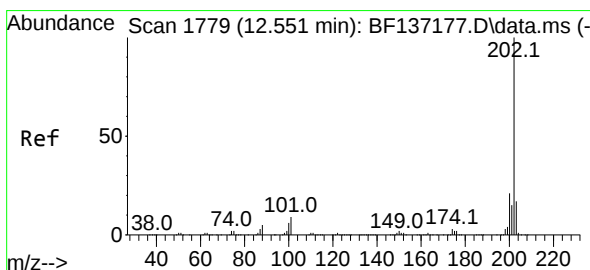
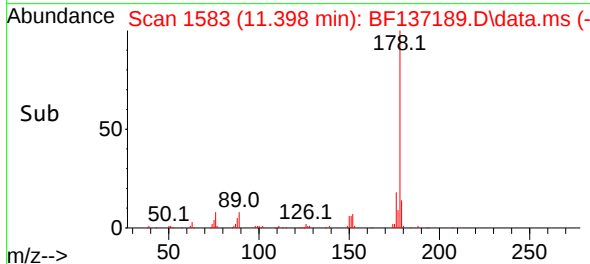
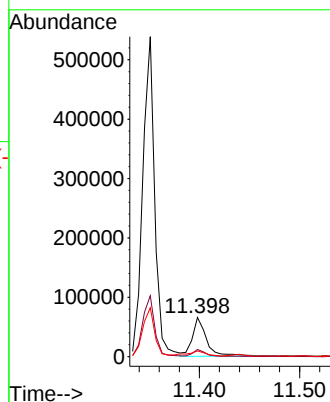
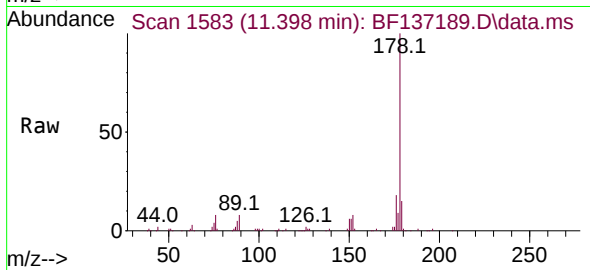
VNJ-223DL

Tgt Ion:178	Resp: 64011
Ion Ratio	Lower Upper
178	100
176	18.2 14.9 22.3
179	14.6 12.1 18.1

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Supervised By :mohammad ahmed 01/31/2024



#75

Fluoranthene

Concen: 36.382 ng

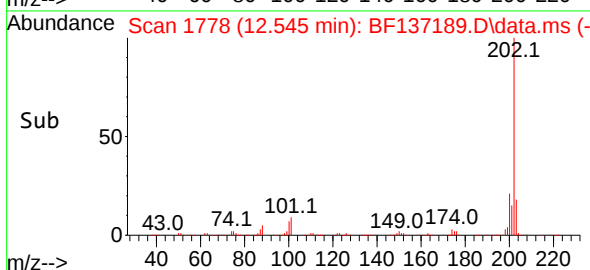
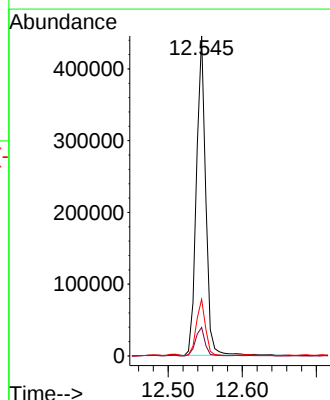
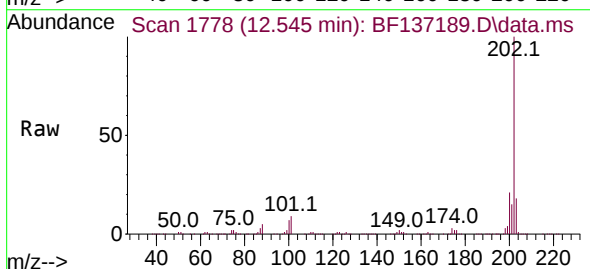
RT: 12.545 min Scan# 1778

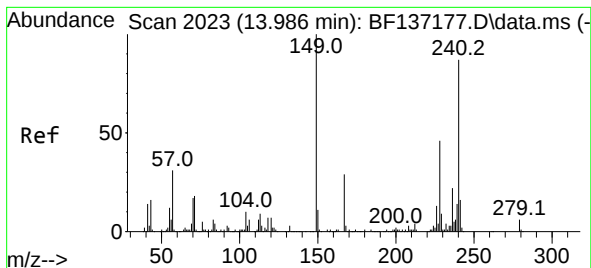
Delta R.T. -0.006 min

Lab File: BF137189.D

Acq: 29 Jan 2024 14:39

Tgt Ion:202	Resp: 389274
Ion Ratio	Lower Upper
202	100
101	8.9 0.0 28.7
203	17.7 0.0 36.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137189.D

Acq: 29 Jan 2024 14:39

Instrument :

BNA_F

ClientSampleId :

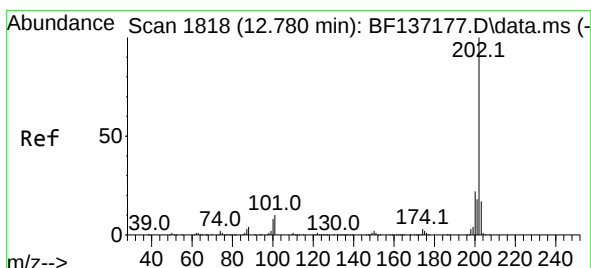
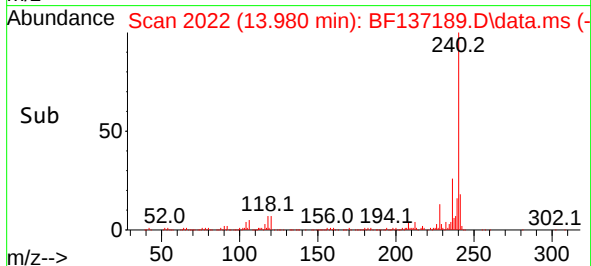
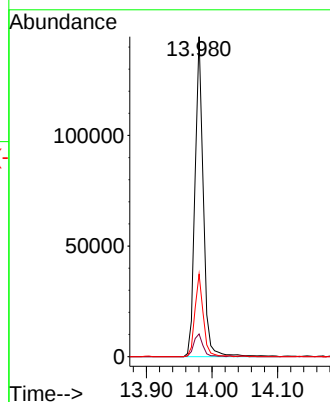
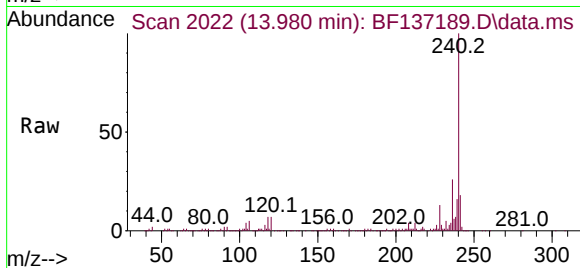
VNJ-223DL

Tgt Ion:240 Resp: 128031
 Ion Ratio Lower Upper
 240 100
 120 7.1 6.7 10.1
 236 25.8 20.4 30.6

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 Supervised By :mohammad ahmed 01/31/2024



#78

Pyrene

Concen: 24.279 ng

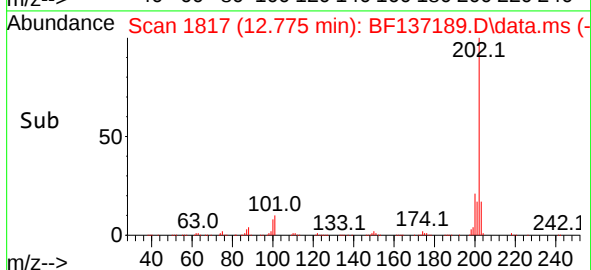
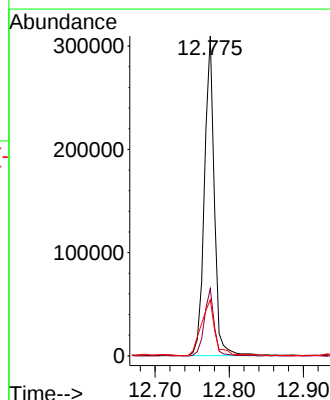
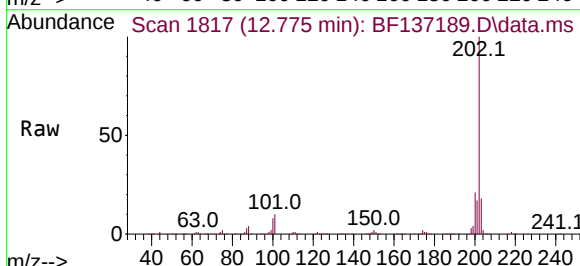
RT: 12.775 min Scan# 1817

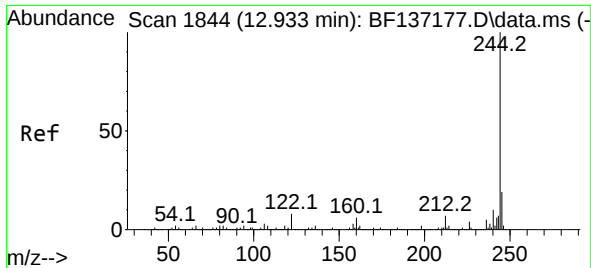
Delta R.T. -0.006 min

Lab File: BF137189.D

Acq: 29 Jan 2024 14:39

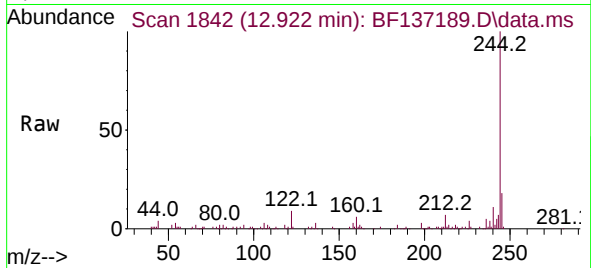
Tgt Ion:202 Resp: 286163
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.0
 203 17.5 13.5 20.3





#79
Terphenyl-d14
Concen: 5.164 ng
RT: 12.922 min Scan# 1844
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

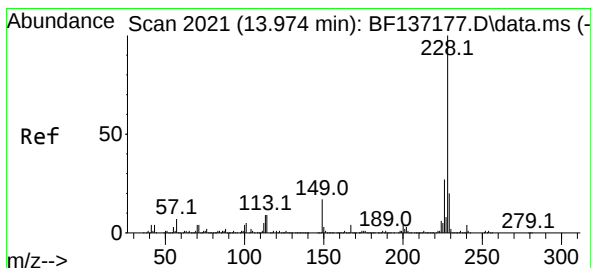
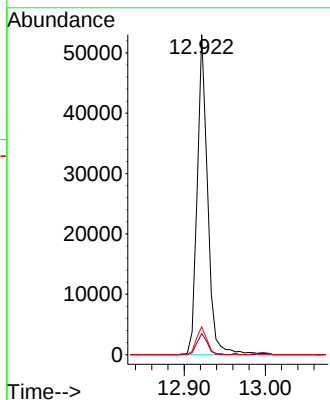
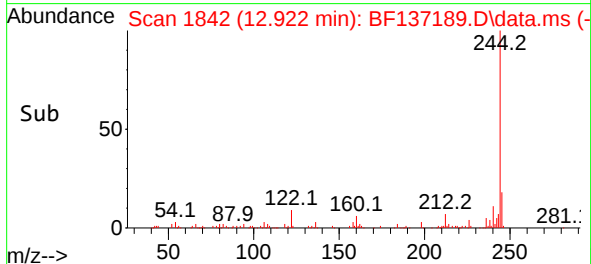
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:244 Resp: 47138
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 8.7 6.6 9.8

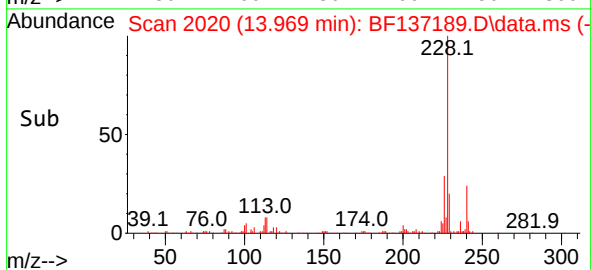
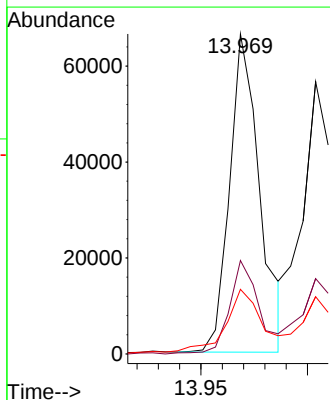
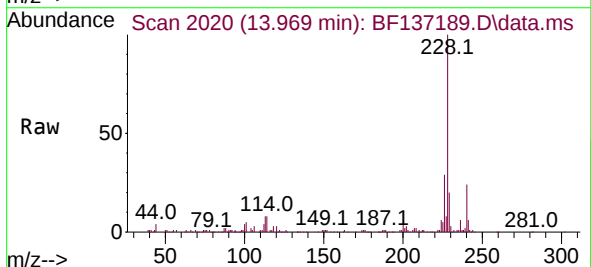
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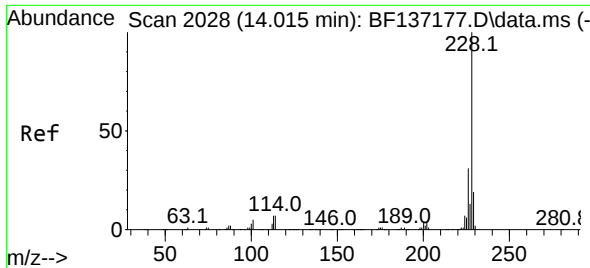
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#81
Benzo(a)anthracene
Concen: 7.151 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

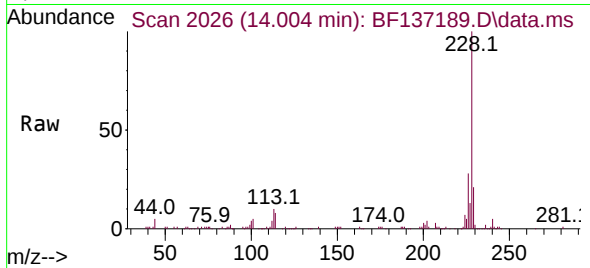
Tgt Ion:228 Resp: 65447
Ion Ratio Lower Upper
228 100
226 29.2 21.9 32.9
229 20.2 16.1 24.1





#83
Chrysene
Concen: 6.532 ng
RT: 14.004 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

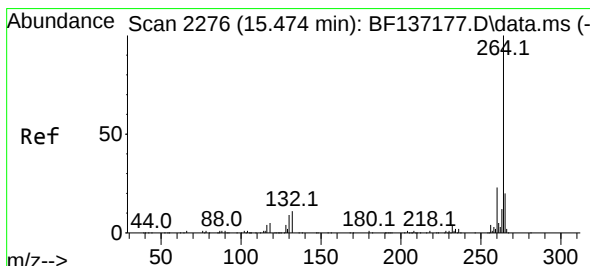
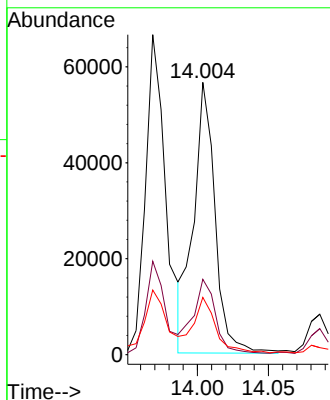
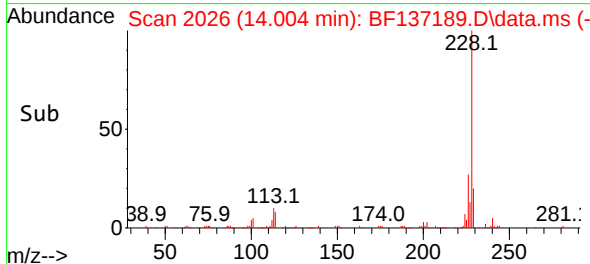
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:228 Resp: 59574
Ion Ratio Lower Upper
228 100
226 27.6 24.7 37.1
229 21.0 15.2 22.8

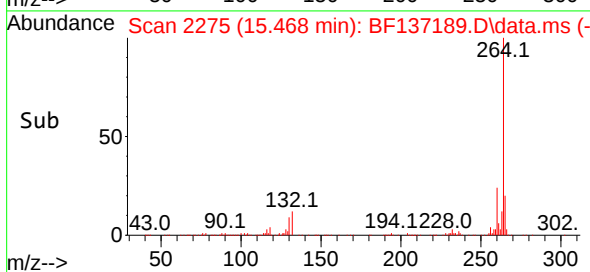
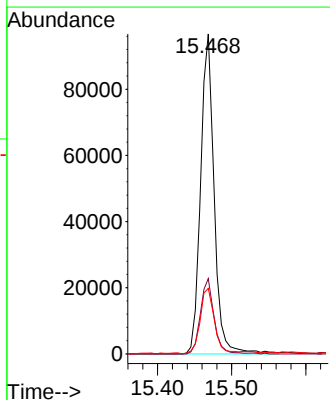
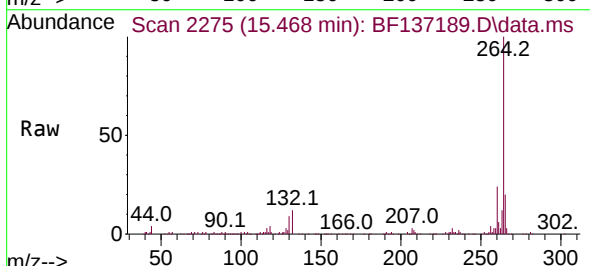
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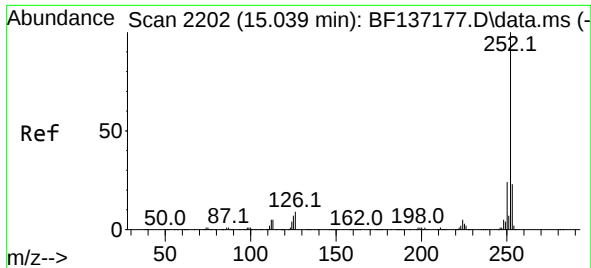
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/31/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

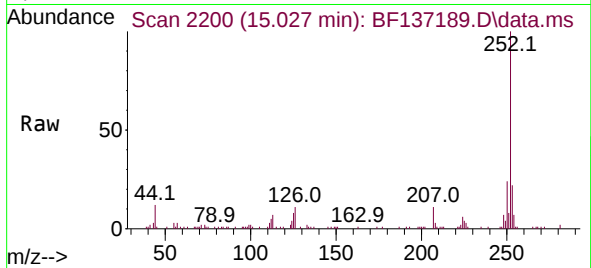
Tgt Ion:264 Resp: 122574
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.4
265 20.5 16.3 24.5





#88
Benzo(b)fluoranthene
Concen: 5.985 ng m
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39

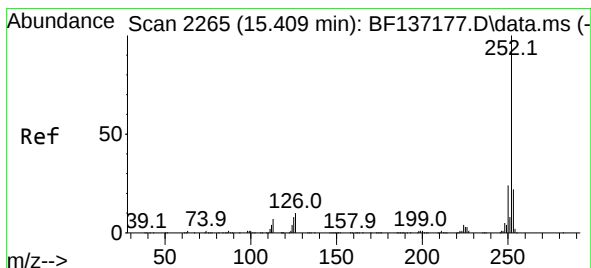
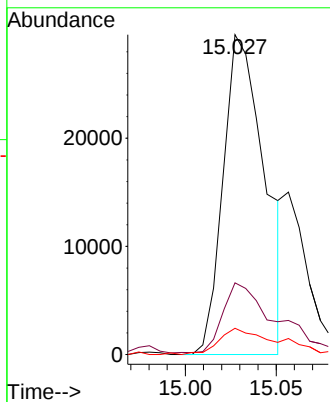
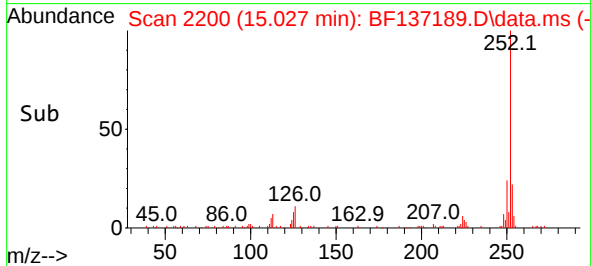
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



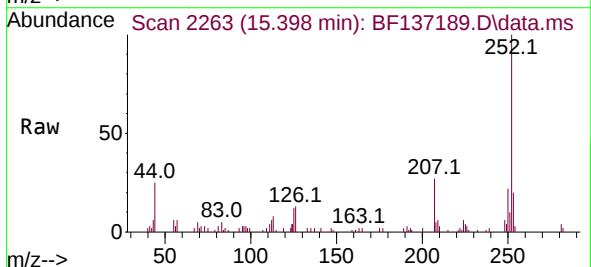
Tgt Ion:252 Resp: 46995
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 8.2 5.2 7.8

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Supervised By :mohammad ahmed 01/31/2024



#90
Benzo(a)pyrene
Concen: 2.924 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.012 min
Lab File: BF137189.D
Acq: 29 Jan 2024 14:39



Tgt Ion:252 Resp: 20712
Ion Ratio Lower Upper
252 100
253 20.2 17.4 26.0
125 11.7 6.2 9.4

