

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139581.D
 Acq On : 30 Sep 2024 17:02
 Operator : RC/JU
 Sample : P4192-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024
 Supervised By :mohammad ahmed 10/01/2024

Quant Time: Sep 30 17:26:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	56610	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	213487	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	108016	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	172298	20.000	ng	#-0.02
76) Chrysene-d12	14.015	240	121964	20.000	ng	#-0.02
86) Perylene-d12	15.474	264	93963	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	278436	80.238	ng	-0.02
7) Phenol-d6	6.492	99	374258	82.168	ng	-0.01
23) Nitrobenzene-d5	7.422	82	239893	52.826	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	56549	49.175	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	432446	56.150	ng	-0.02
79) Terphenyl-d14	12.963	244	350009	47.104	ng	-0.02
Target Compounds						
71) Phenanthrene	11.404	178	40318	4.850	ng	99
75) Fluoranthene	12.592	202	35002	3.943	ng	98
78) Pyrene	12.821	202	26361	2.517	ng	98
88) Benzo(b)fluoranthene	15.051	252	12618m	2.177	ng	

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

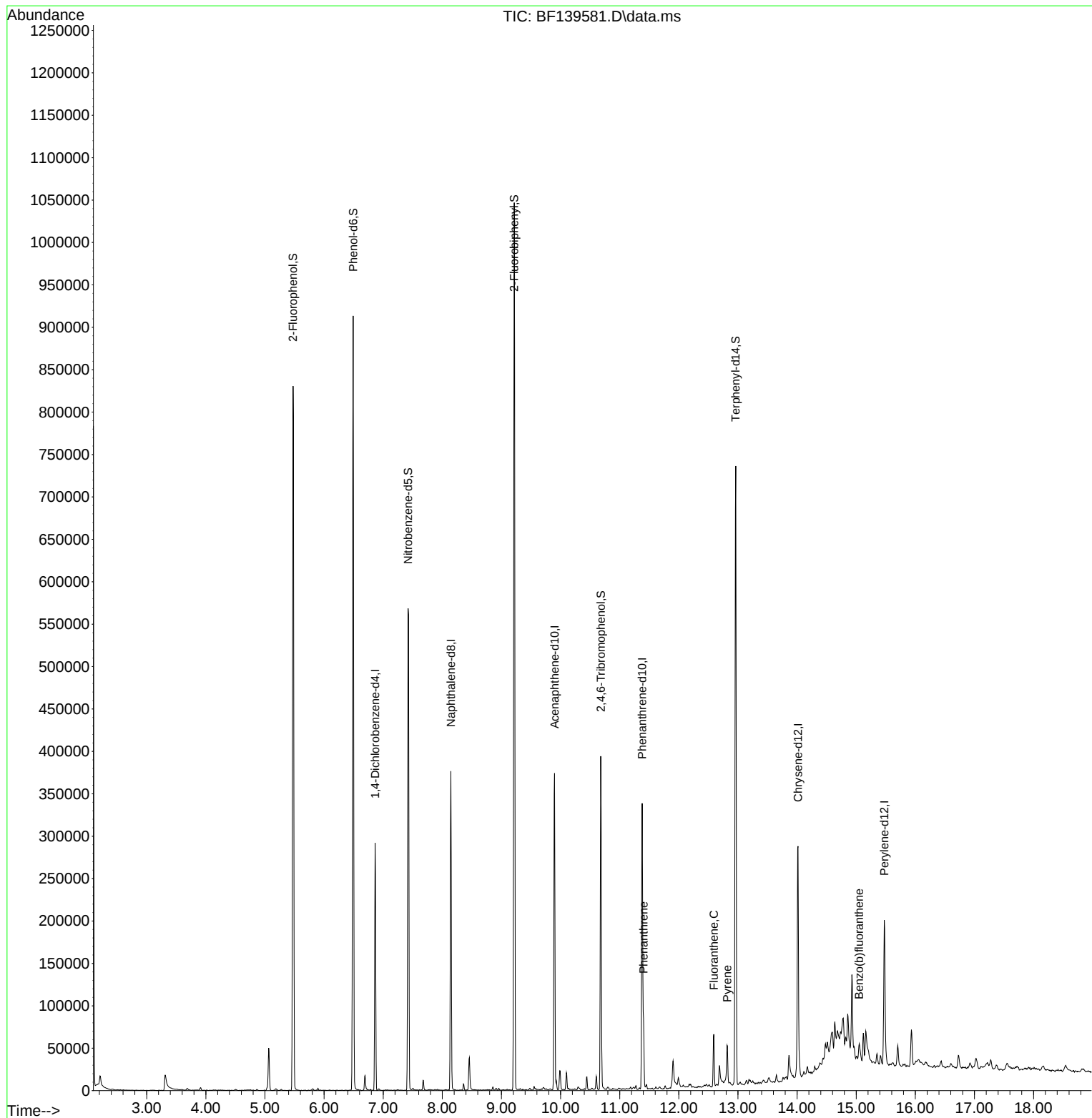
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
Data File : BF139581.D
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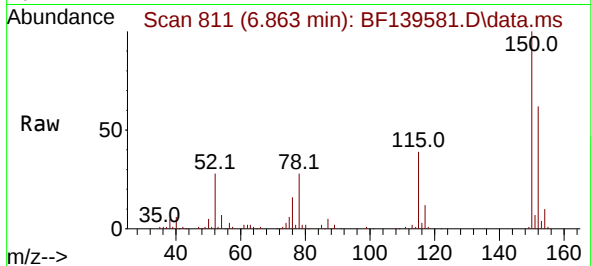
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

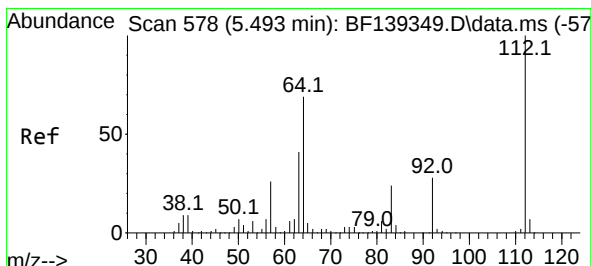
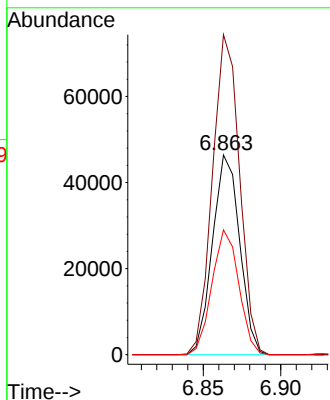
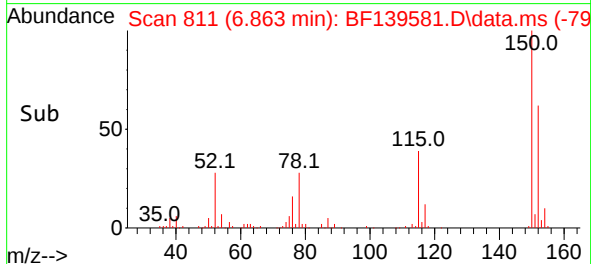
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE



Tgt Ion:152 Resp: 56610
Ion Ratio Lower Upper
152 100
150 160.2 124.1 186.1
115 62.5 48.1 72.1

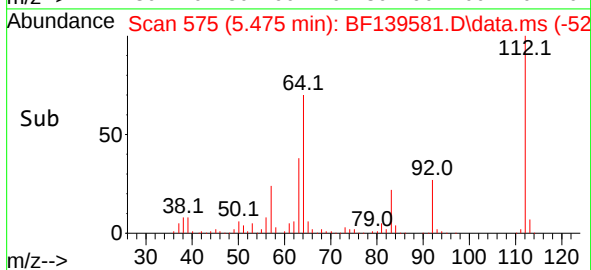
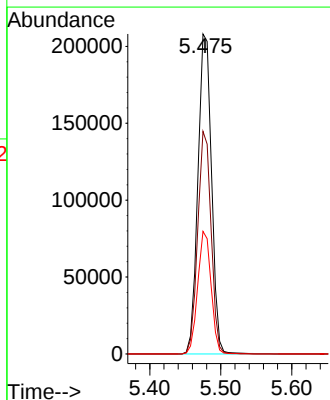
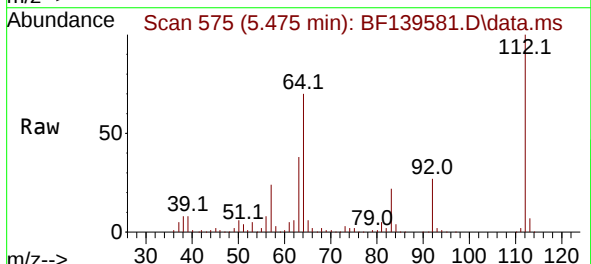
Manual Integrations
APPROVED

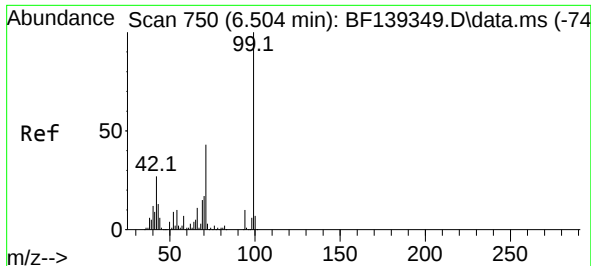
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#5
2-Fluorophenol
Concen: 80.238 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

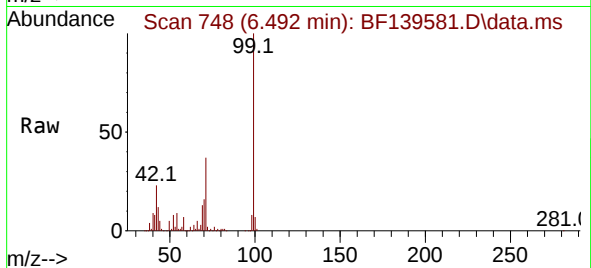
Tgt Ion:112 Resp: 278436
Ion Ratio Lower Upper
112 100
64 69.5 54.8 82.2
63 38.3 33.0 49.4





#7
Phenol-d6
Concen: 82.168 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

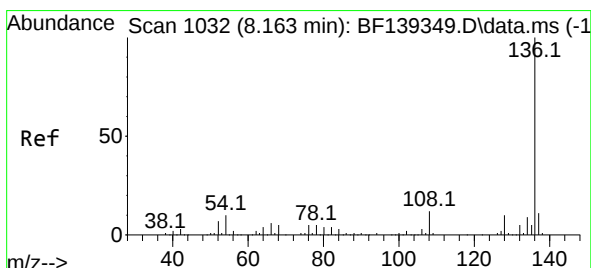
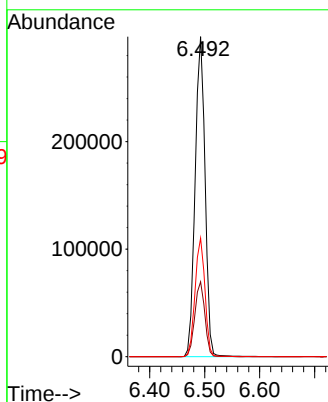
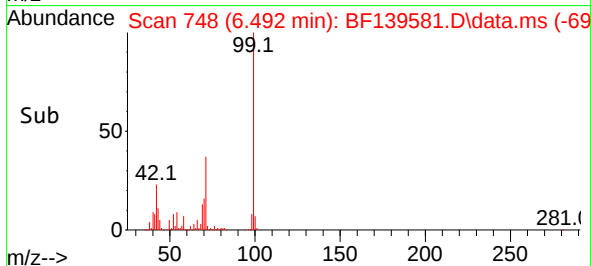
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE



Tgt Ion: 99 Resp: 374258
Ion Ratio Lower Upper
99 100
42 23.4 21.9 32.9
71 37.0 34.6 52.0

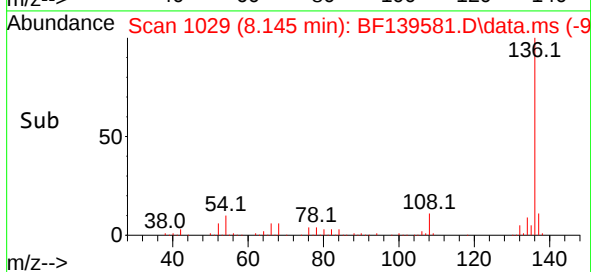
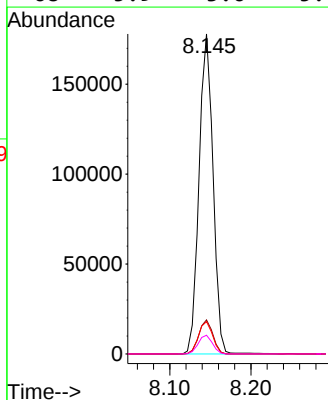
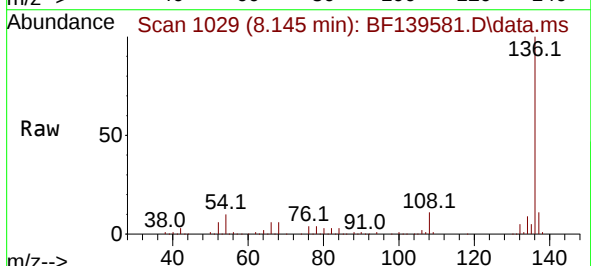
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:136 Resp: 213487
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.1 7.8 11.8
68 5.9 3.6 5.4#





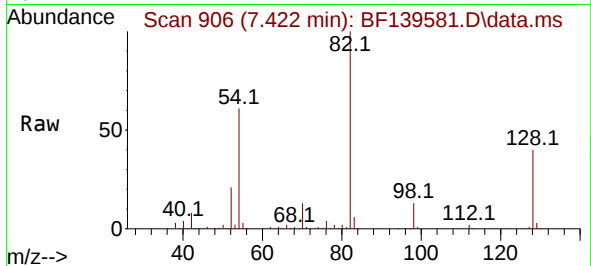
#23
Nitrobenzene-d5
Concen: 52.826 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.024 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Instrument :

BNA_F

ClientSampleId :

VNJ-222RE

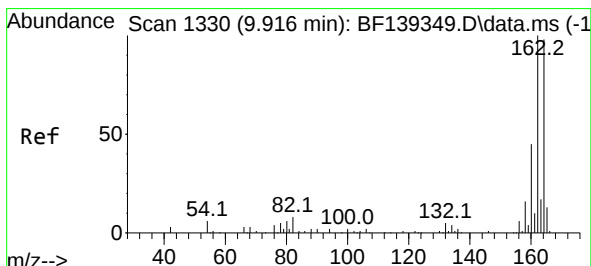
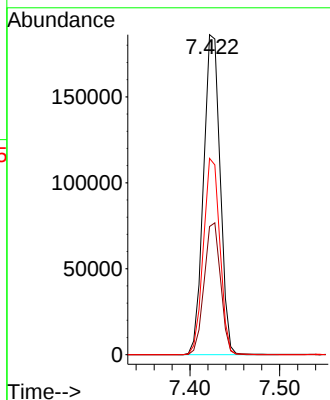
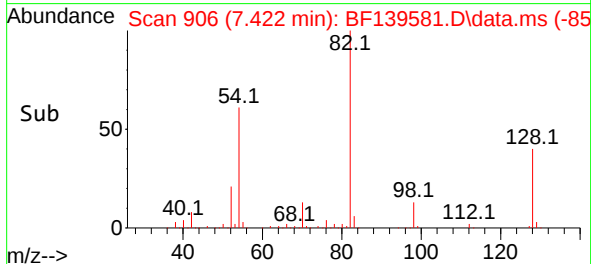


Tgt Ion: 82 Resp: 23989
Ion Ratio Lower Upper
82 100
128 40.0 31.8 47.6
54 61.4 50.6 75.8

Manual Integrations

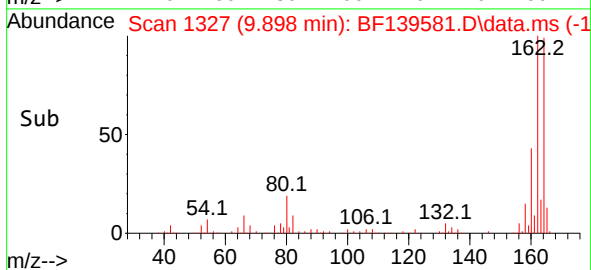
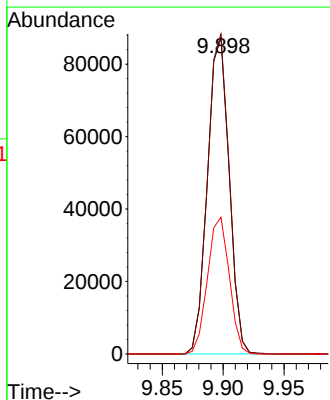
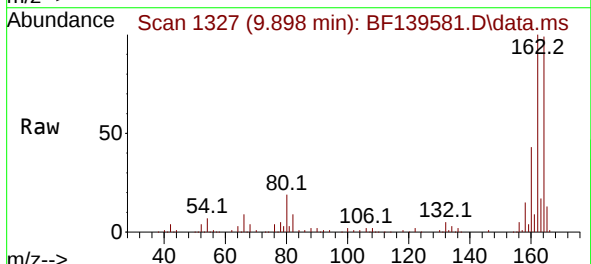
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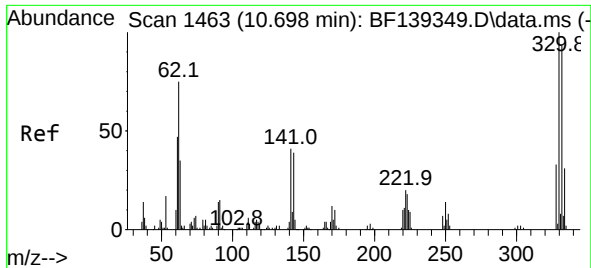
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:164 Resp: 108016
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 43.2 36.4 54.6





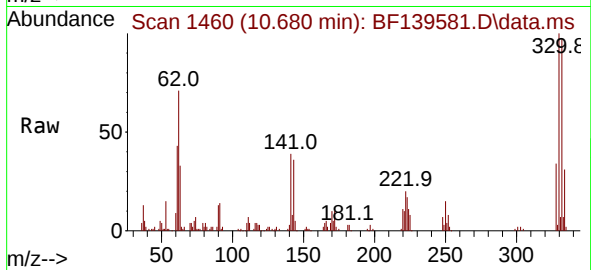
#42
2,4,6-Tribromophenol
Concen: 49.175 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Instrument :

BNA_F

ClientSampleId :

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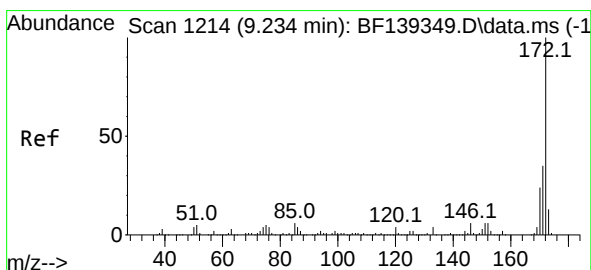
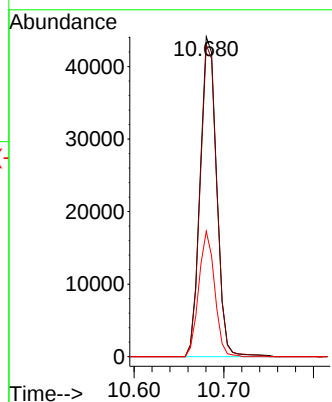
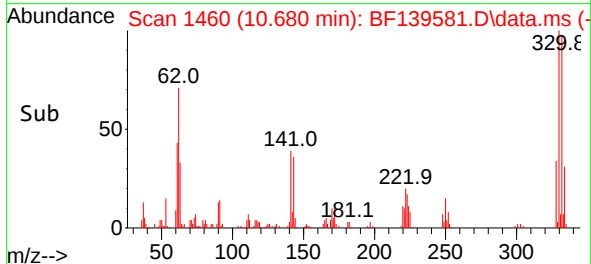
Tgt Ion:330 Resp: 56549
Ion Ratio Lower Upper
330 100
332 97.4 75.2 112.8
141 37.5 31.2 46.8

Manual Integrations

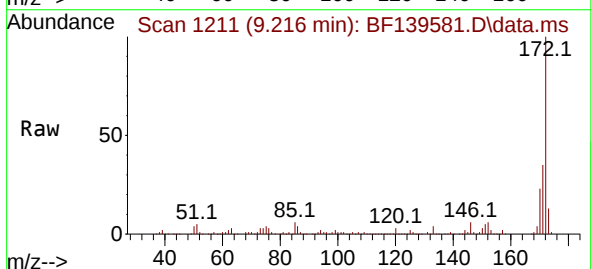
APPROVED

Reviewed By :Yogesh Patel 10/01/2024

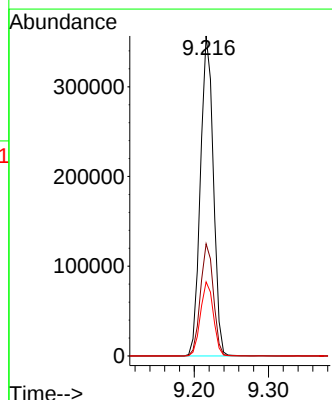
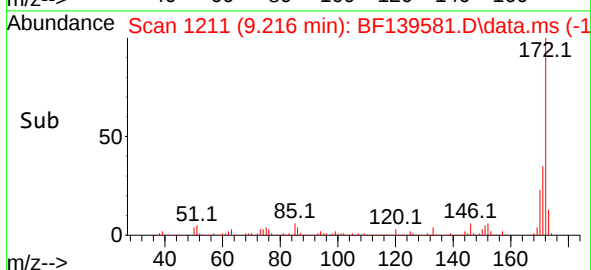
Supervised By :mohammad ahmed 10/01/2024



#45
2-Fluorobiphenyl
Concen: 56.150 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02



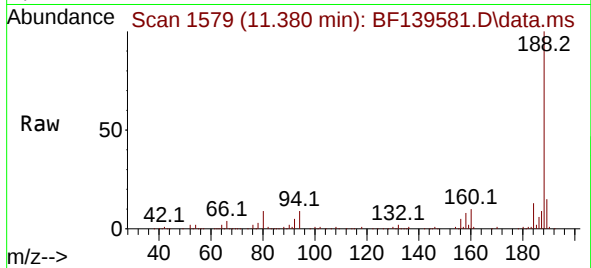
Tgt Ion:172 Resp: 432446
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

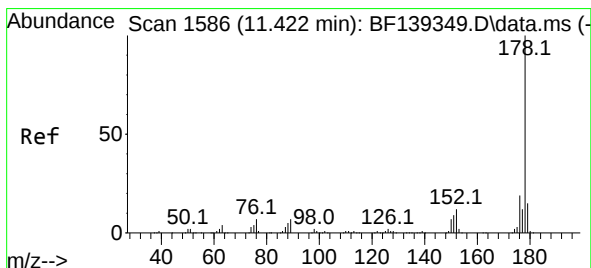
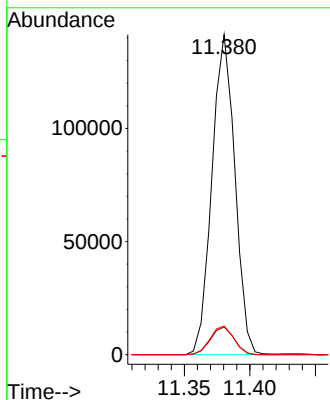
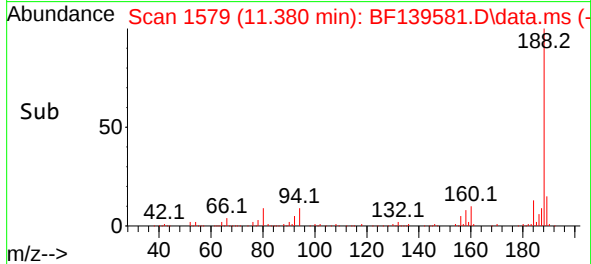
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE



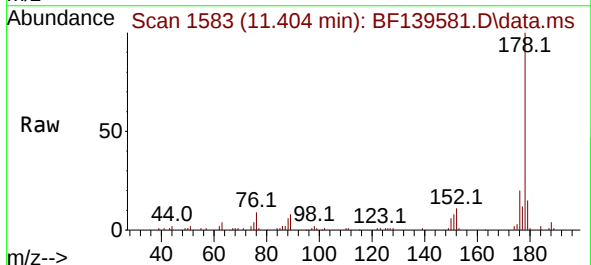
Tgt Ion:188 Resp: 172298
Ion Ratio Lower Upper
188 100
94 8.6 5.5 8.3
80 9.0 6.6 9.8

Manual Integrations
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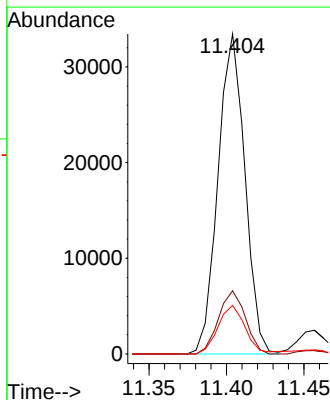
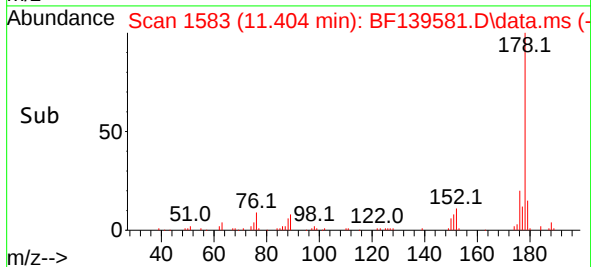
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024

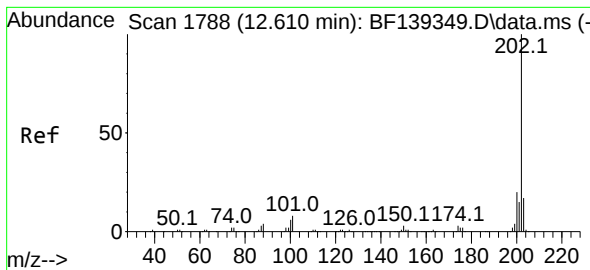


#71
Phenanthrene
Concen: 4.850 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02



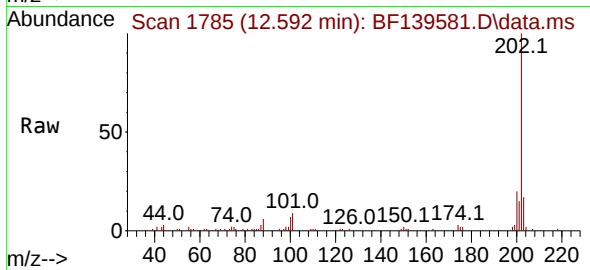
Tgt Ion:178 Resp: 40318
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 3.943 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

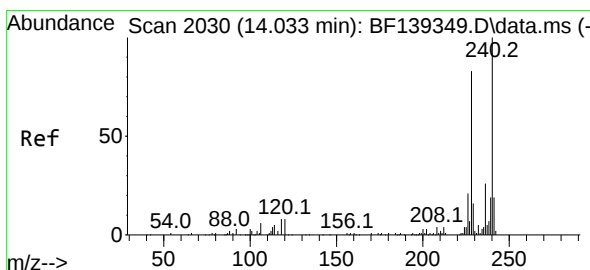
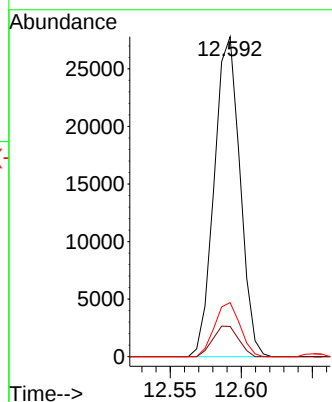
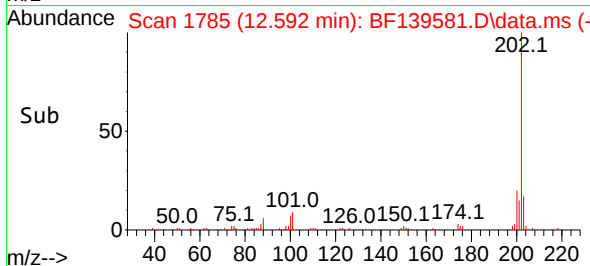
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE



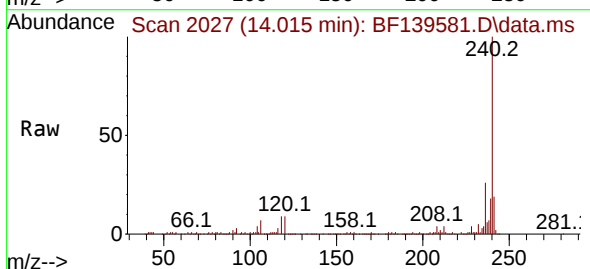
Tgt Ion:202 Resp: 3500
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.7
203 16.9 0.0 37.4

Manual Integrations
APPROVED

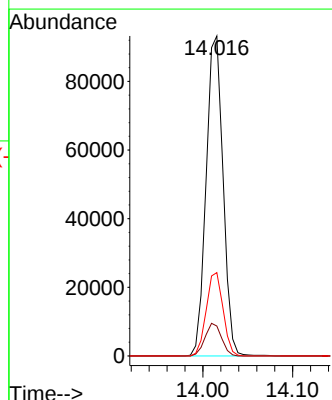
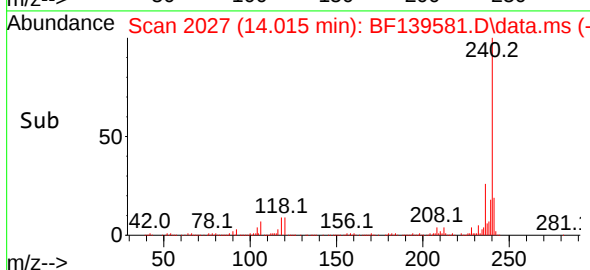
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024

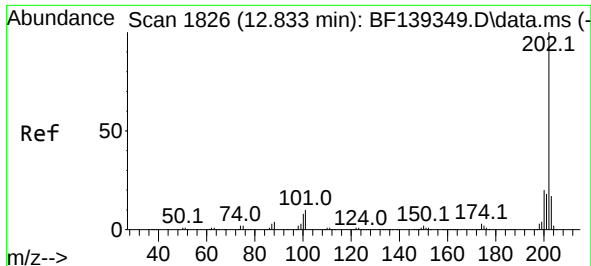


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02



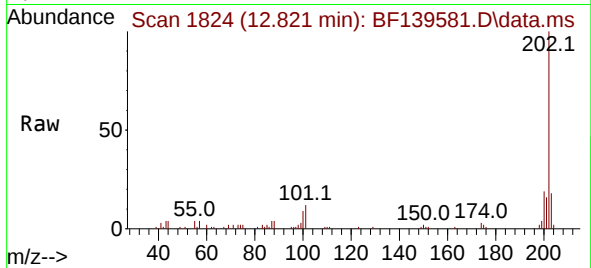
Tgt Ion:240 Resp: 121964
Ion Ratio Lower Upper
240 100
120 9.4 6.2 9.2#
236 26.1 20.9 31.3





#78
Pyrene
Concen: 2.517 ng
RT: 12.821 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

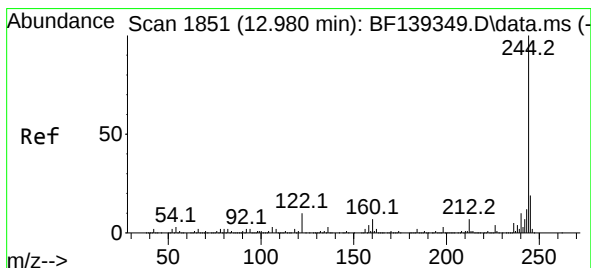
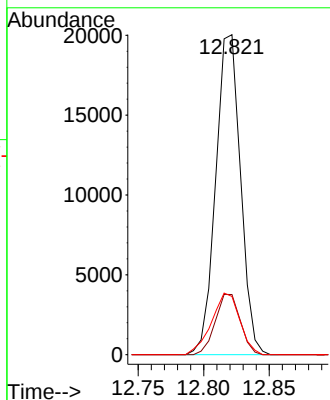
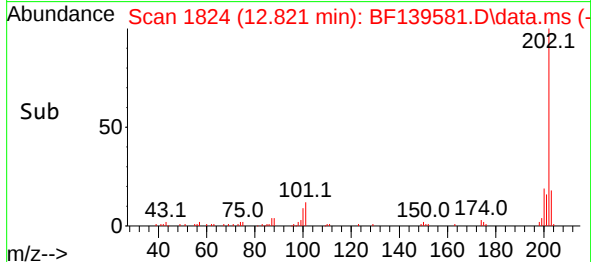
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE



Tgt Ion:202 Resp: 2636
Ion Ratio Lower Upper
202 100
200 18.8 16.2 24.2
203 18.2 13.9 20.9

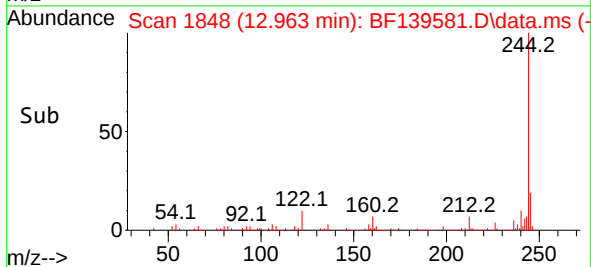
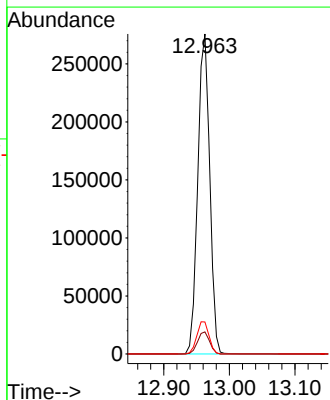
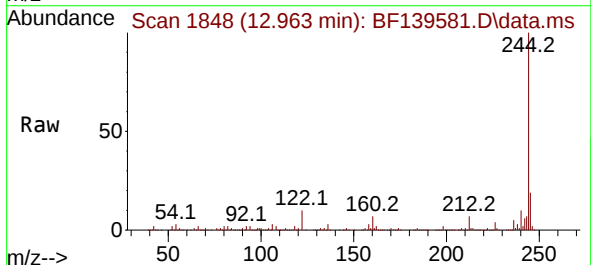
Manual Integrations
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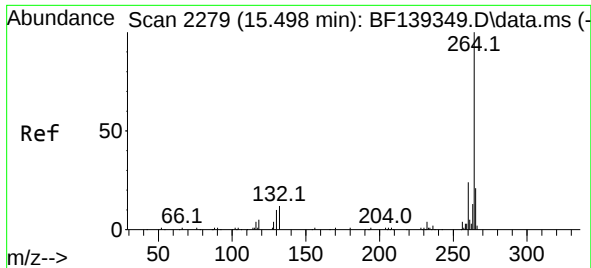
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#79
Terphenyl-d14
Concen: 47.104 ng
RT: 12.963 min Scan# 1848
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

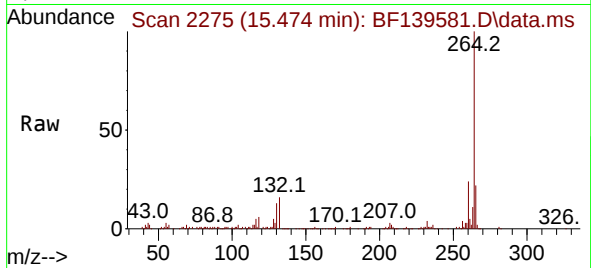
Tgt Ion:244 Resp: 350009
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 10.0 7.6 11.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

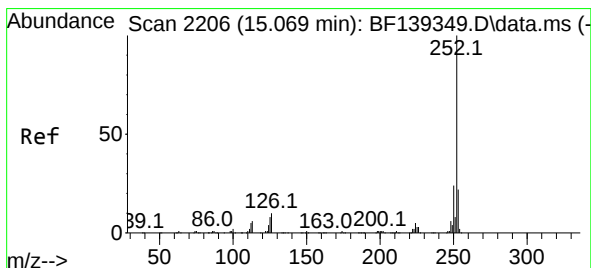
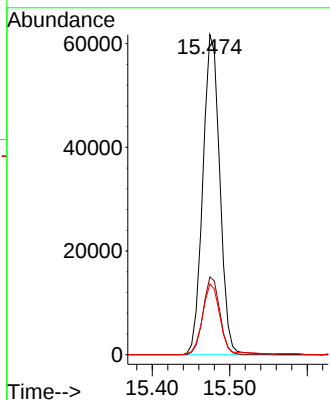
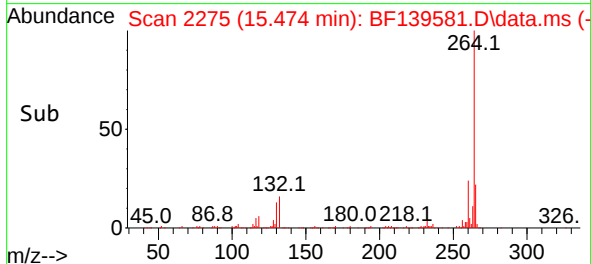
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE



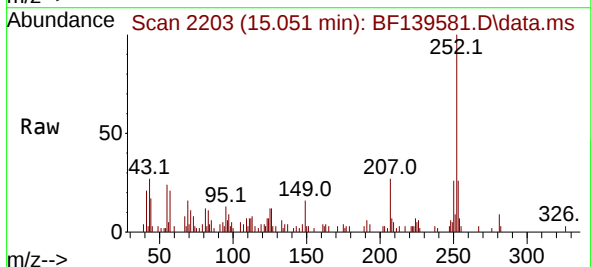
Tgt Ion:264 Resp: 9396
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.1 16.6 25.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#88
Benzo(b)fluoranthene
Concen: 2.177 ng m
RT: 15.051 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02



Tgt Ion:252 Resp: 12618
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 12.0 6.2 9.2#

