

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138832.D
 Acq On : 07 Aug 2024 04:42
 Operator : RC/JU
 Sample : P3362-02DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/08/2024

Quant Time: Aug 07 05:04:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	38690	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	138438	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	60875	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	96301	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	83753	20.000	ng	0.00
86) Perylene-d12	15.457	264	64163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	47343	18.889	ng	0.00
7) Phenol-d6	6.481	99	61943	18.408	ng	0.00
23) Nitrobenzene-d5	7.398	82	37570	13.268	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	8665	17.377	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	66902	16.513	ng	-0.01
79) Terphenyl-d14	12.939	244	67688	13.531	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	27071	8.008	ng	99
55) Dibenzofuran	10.075	168	26721	5.599	ng	95
58) Fluorene	10.422	166	38539	10.141	ng	99
71) Phenanthrene	11.380	178	173675	35.024	ng	99
72) Anthracene	11.433	178	17858	3.656	ng	97
75) Fluoranthene	12.569	202	114809	24.801	ng	98
78) Pyrene	12.798	202	73204	9.283	ng	98
81) Benzo(a)anthracene	13.986	228	23186	4.020	ng	97
83) Chrysene	14.021	228	17783m	3.418	ng	
88) Benzo(b)fluoranthene	15.033	252	11770m	2.959	ng	

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

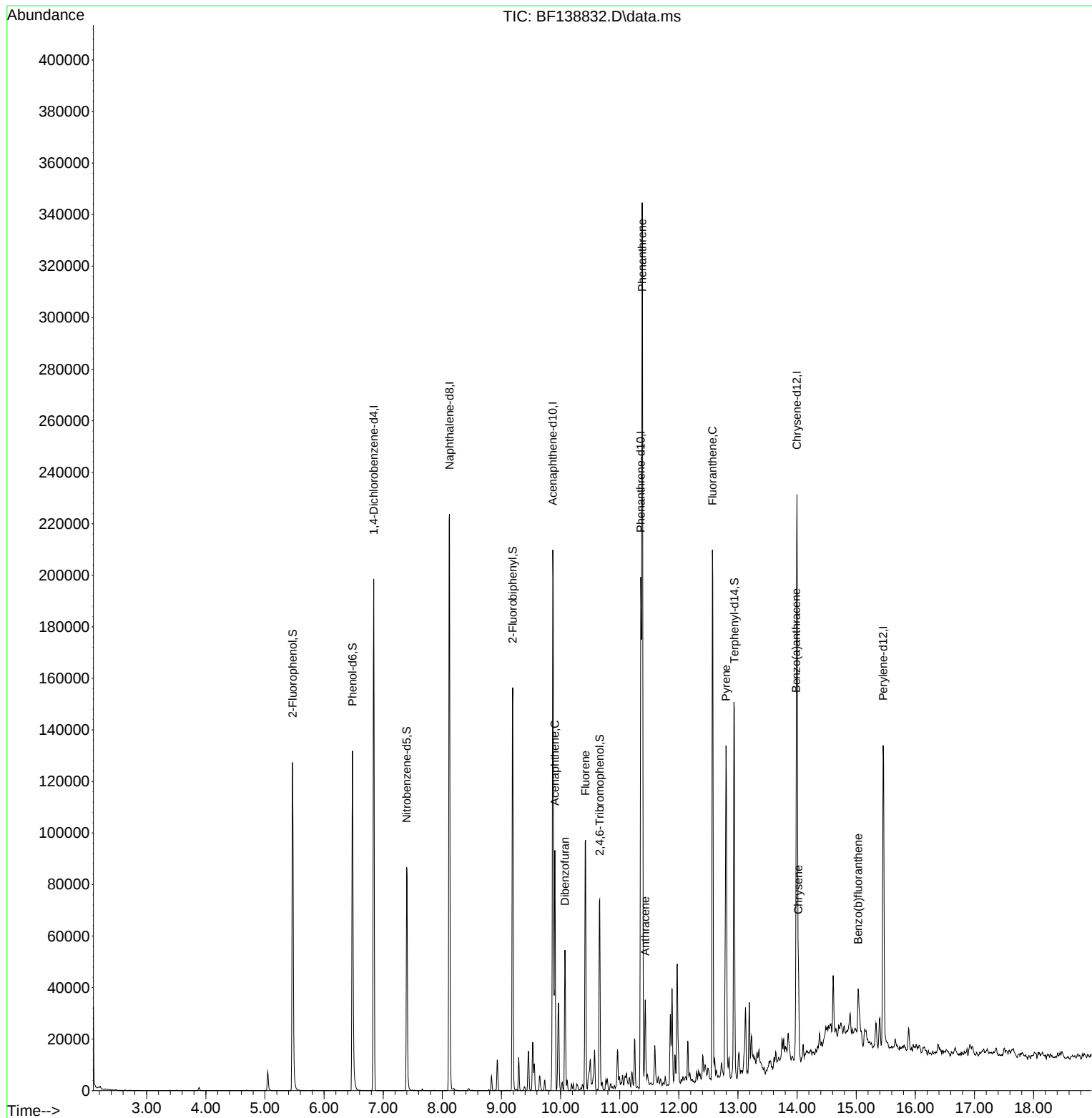
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
Data File : BF138832.D
Acq On : 07 Aug 2024 04:42
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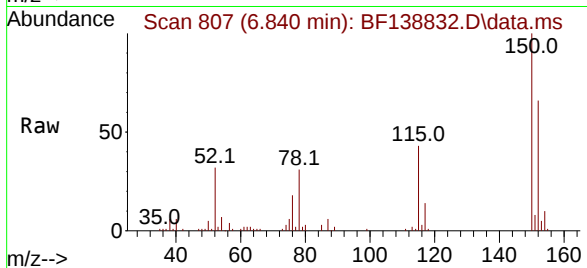
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

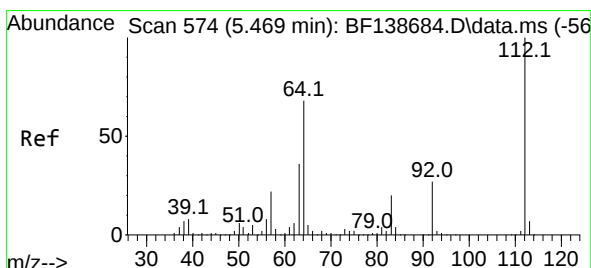
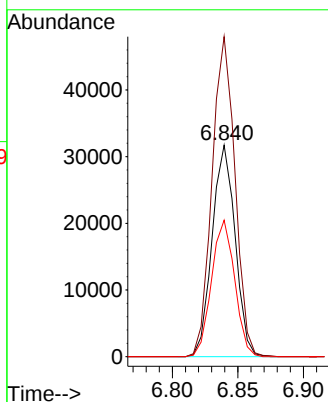
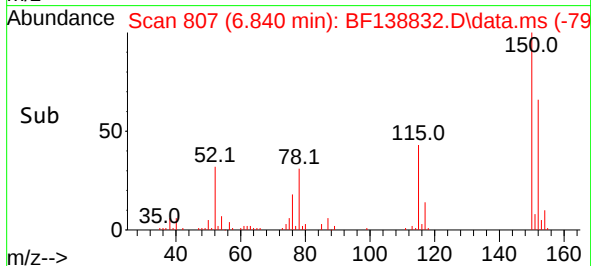
VNJ-220DL



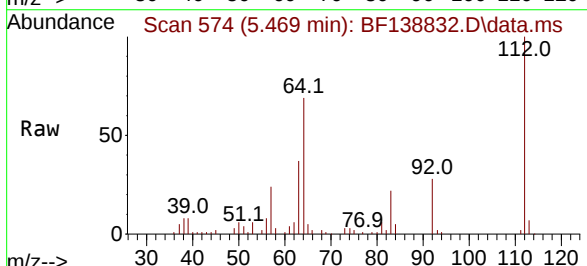
Tgt Ion:152 Resp: 38690
Ion Ratio Lower Upper
152 100
150 151.3 126.0 189.0
115 64.6 51.7 77.5

Manual Integrations
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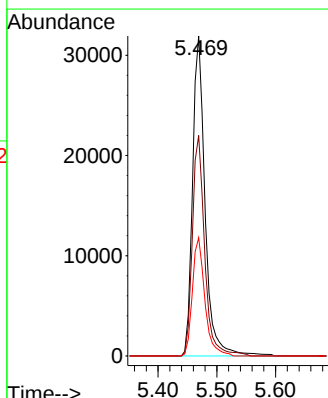
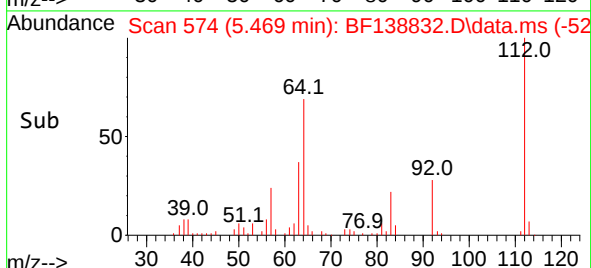
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42



Tgt Ion:112 Resp: 47343
Ion Ratio Lower Upper
112 100
64 68.9 54.2 81.4
63 36.9 28.7 43.1





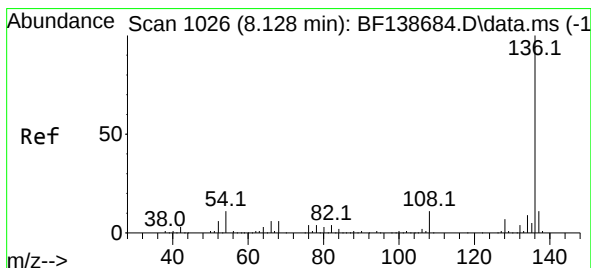
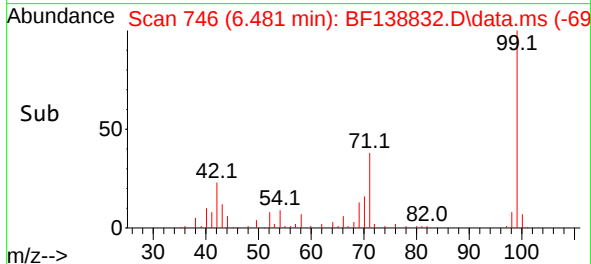
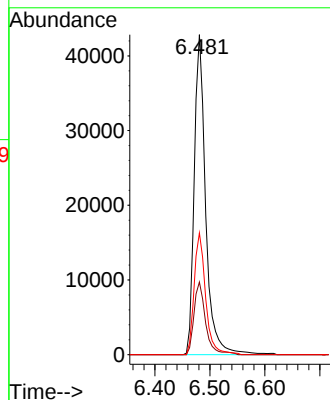
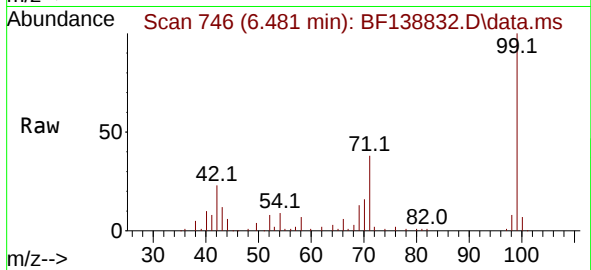
#7
Phenol-d6
Concen: 18.408 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

Tgt Ion: 99 Resp: 6194
Ion Ratio Lower Upper
99 100
42 22.7 17.4 26.0
71 38.1 28.1 42.1

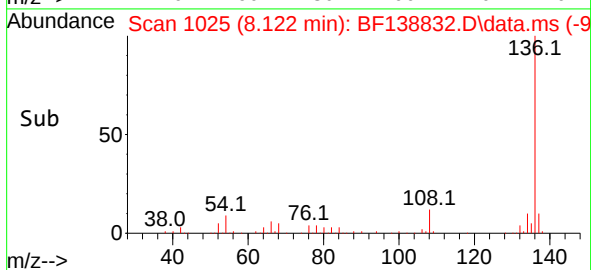
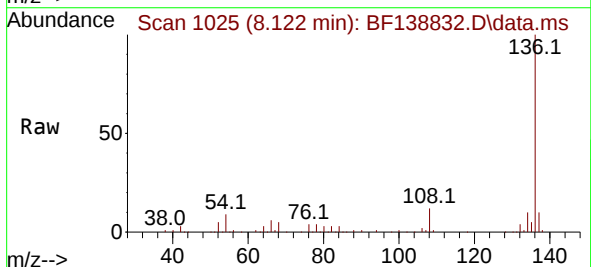
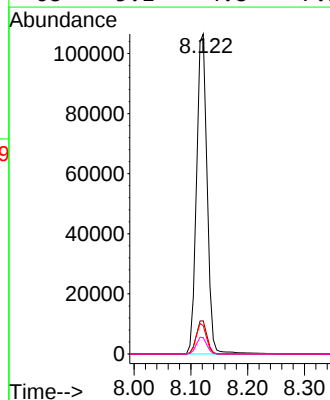
Manual Integrations
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Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:136 Resp: 138438
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 8.9 8.6 12.8
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 13.268 ng

RT: 7.398 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

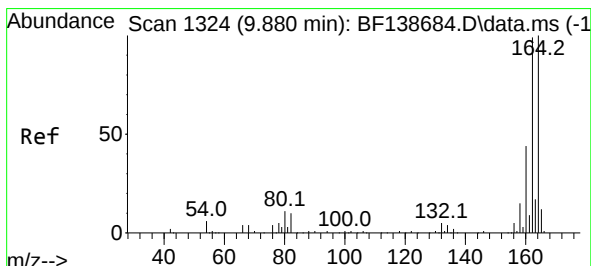
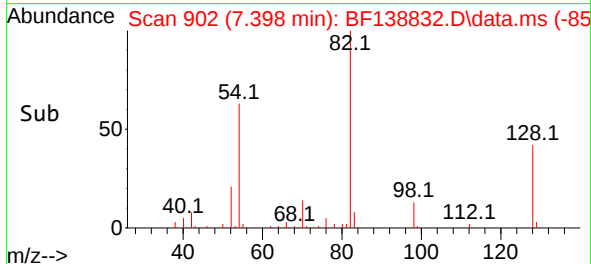
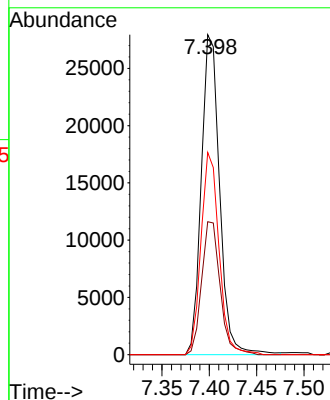
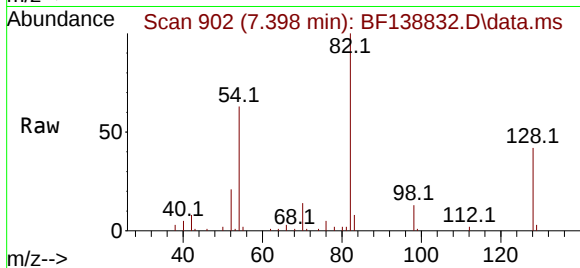
Tgt Ion: 82	Resp: 37570
Ion Ratio	Lower Upper
82	100
128	41.5 32.8 49.2
54	63.2 48.3 72.5

Manual Integrations

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Supervised By :mohammad ahmed 08/08/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

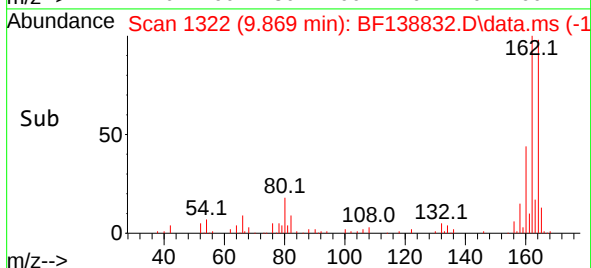
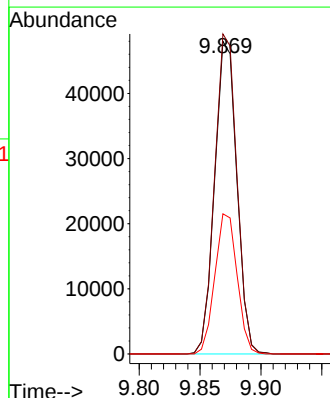
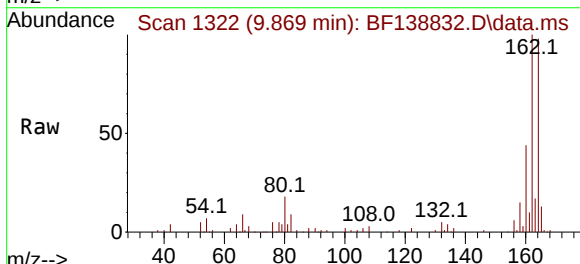
RT: 9.869 min Scan# 1322

Delta R.T. -0.011 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

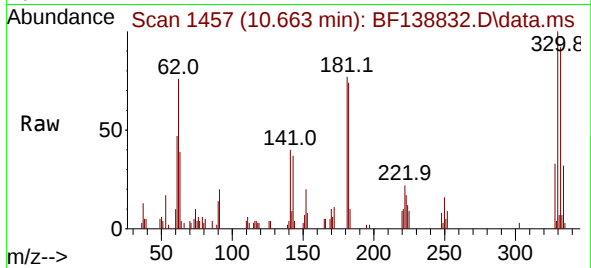
Tgt Ion:164	Resp: 60875
Ion Ratio	Lower Upper
164	100
162	102.3 79.4 119.0
160	44.8 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 17.377 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

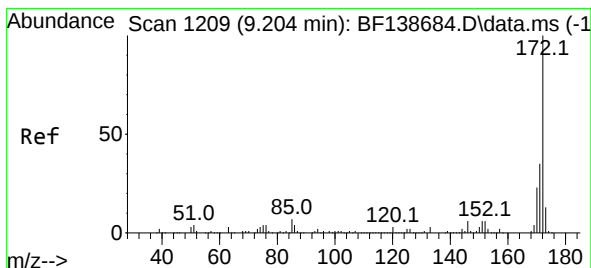
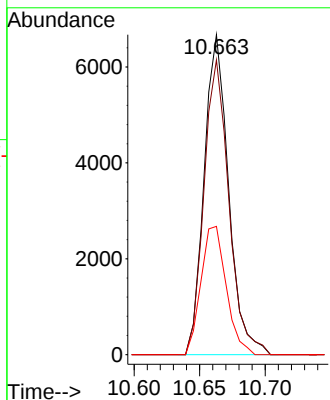
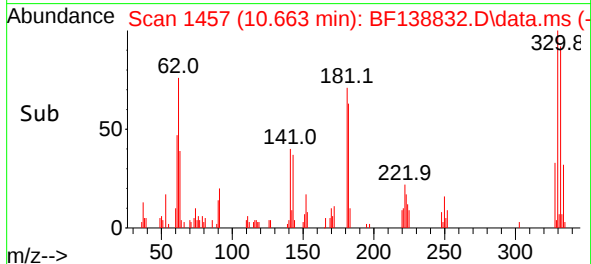
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL



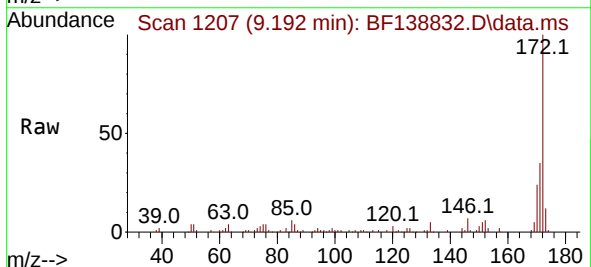
Tgt Ion: 330 Resp: 866
Ion Ratio Lower Upper
330 100
332 94.0 76.4 114.6
141 41.5 31.1 46.7

Manual Integrations
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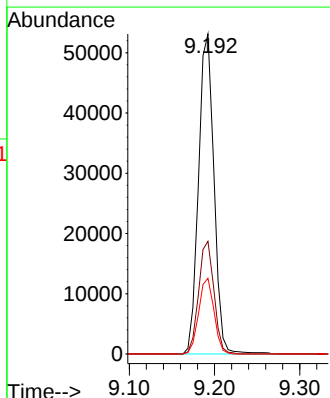
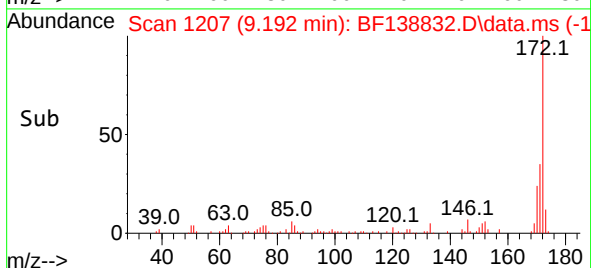
Reviewed By : Yogesh Patel 08/08/2024
Supervised By : mohammad ahmed 08/08/2024

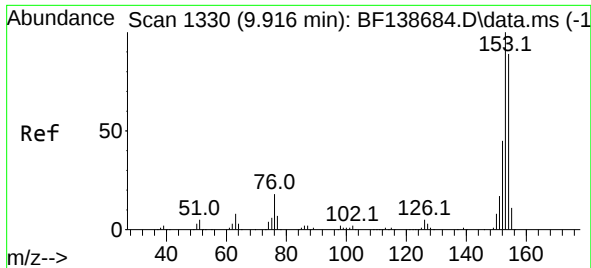


#45
2-Fluorobiphenyl
Concen: 16.513 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42



Tgt Ion: 172 Resp: 66902
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.6 18.8 28.2





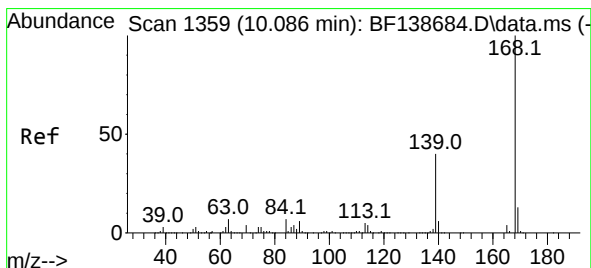
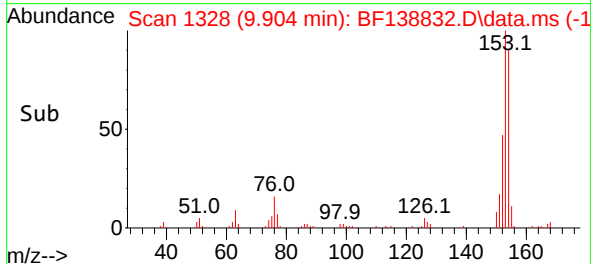
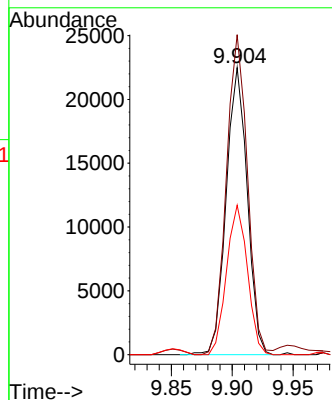
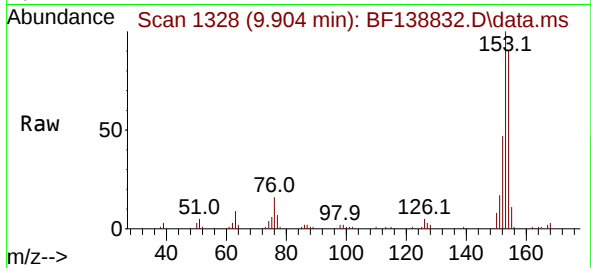
#52
Acenaphthene
Concen: 8.008 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

Tgt Ion:154 Resp: 2707
Ion Ratio Lower Upper
154 100
153 111.5 89.9 134.9
152 52.1 40.6 60.8

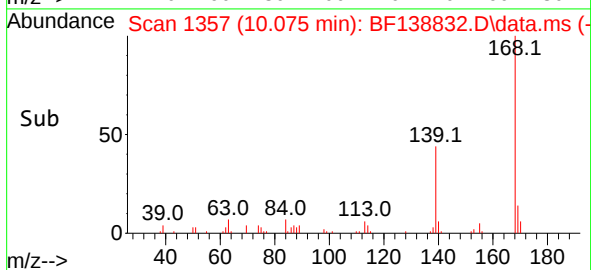
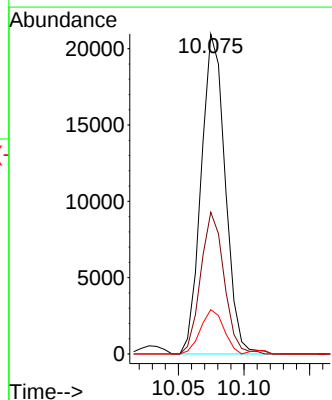
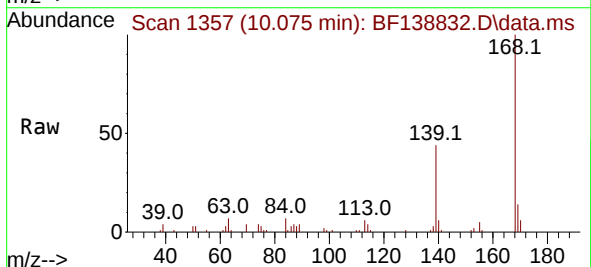
Manual Integrations
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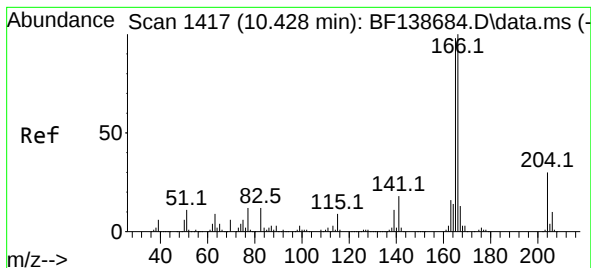
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#55
Dibenzofuran
Concen: 5.599 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

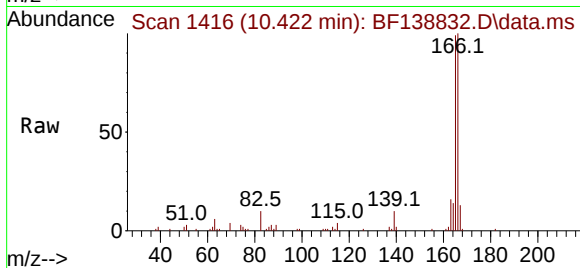
Tgt Ion:168 Resp: 26721
Ion Ratio Lower Upper
168 100
139 44.3 32.6 49.0
169 13.8 10.7 16.1





#58
Fluorene
Concen: 10.141 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

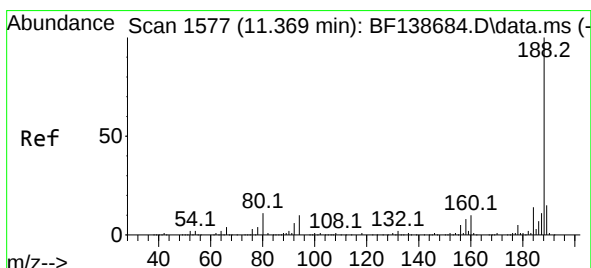
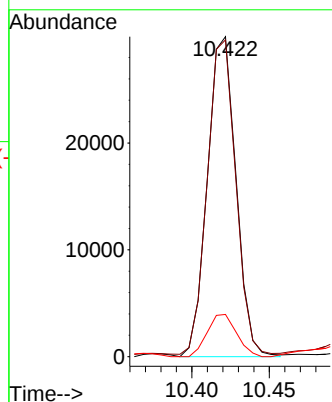
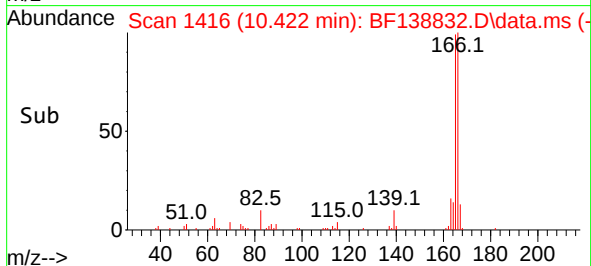
Instrument :
BNA_F
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VNJ-220DL



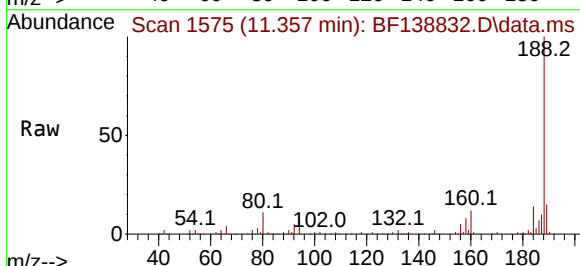
Tgt Ion:166 Resp: 38539
Ion Ratio Lower Upper
166 100
165 99.0 78.4 117.6
167 13.2 10.6 16.0

Manual Integrations
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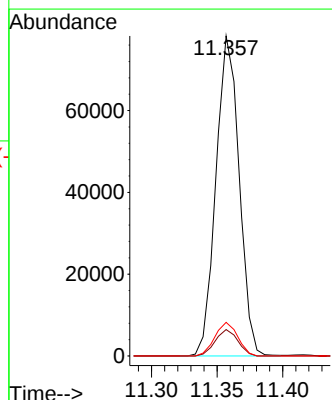
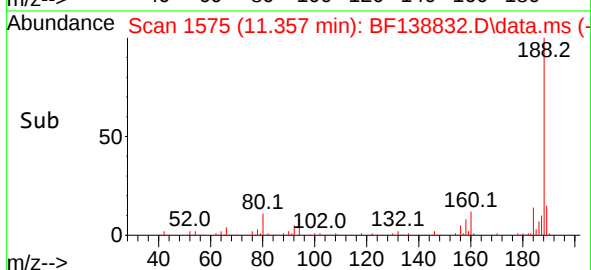
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

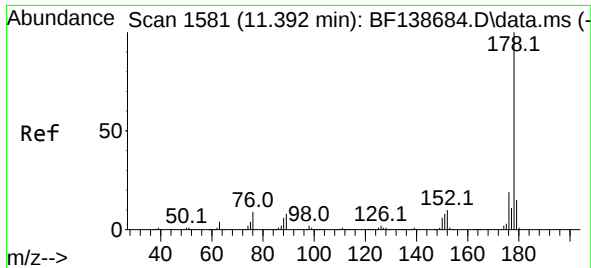


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42



Tgt Ion:188 Resp: 96301
Ion Ratio Lower Upper
188 100
94 8.3 7.6 11.4
80 10.5 8.6 12.8





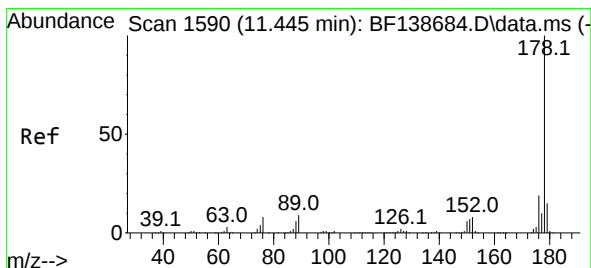
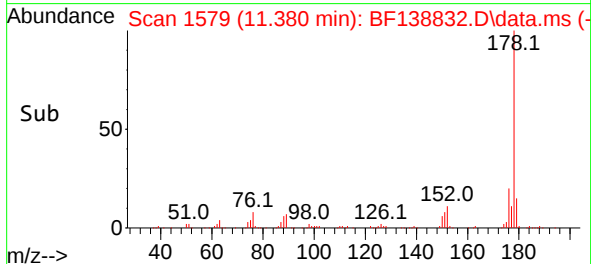
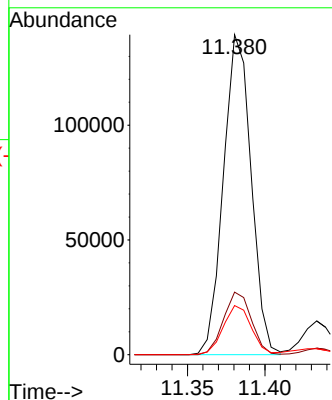
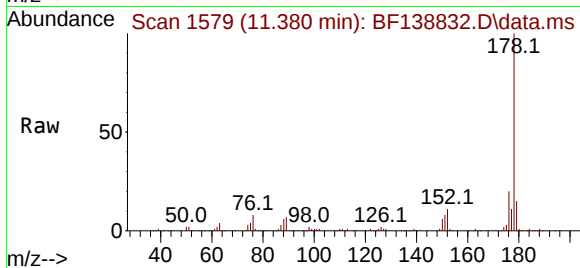
#71
Phenanthrene
Concen: 35.024 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

Tgt Ion:178 Resp: 173679
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.4 12.2 18.2

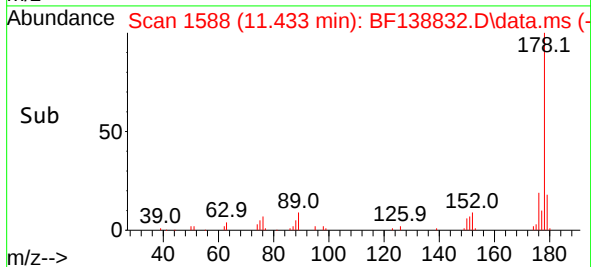
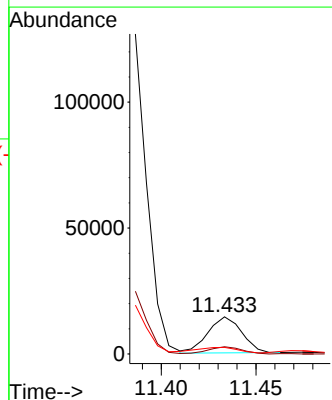
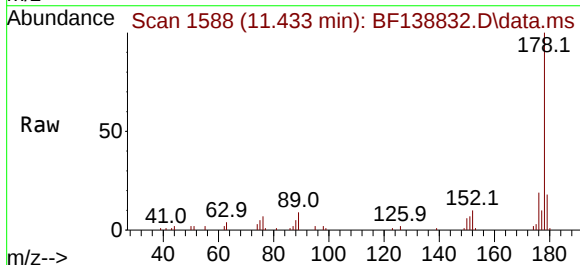
Manual Integrations
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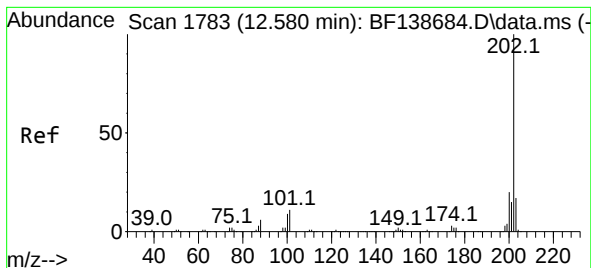
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#72
Anthracene
Concen: 3.656 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

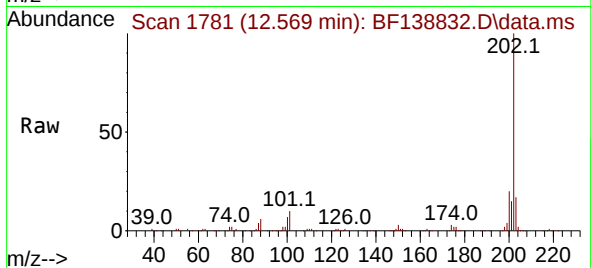
Tgt Ion:178 Resp: 17858
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 17.7 12.4 18.6





#75
Fluoranthene
Concen: 24.801 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

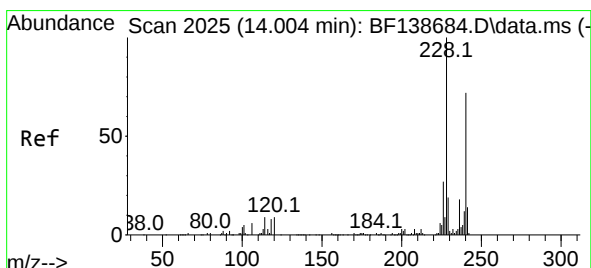
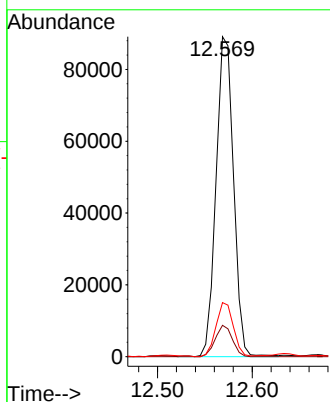
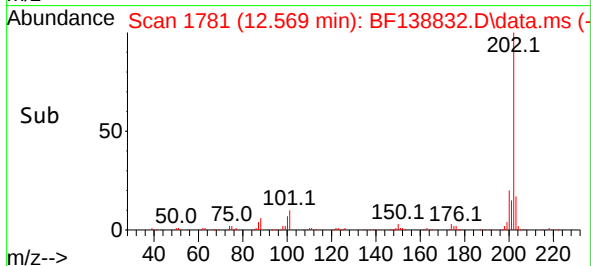
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL



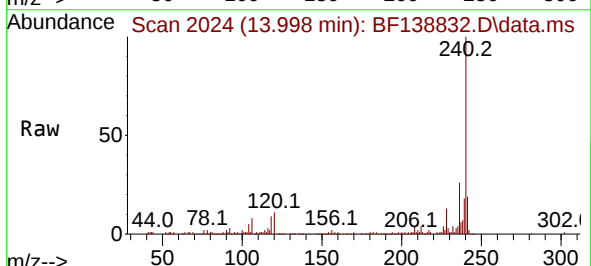
Tgt Ion:202 Resp: 114809
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 16.9 0.0 37.3

Manual Integrations
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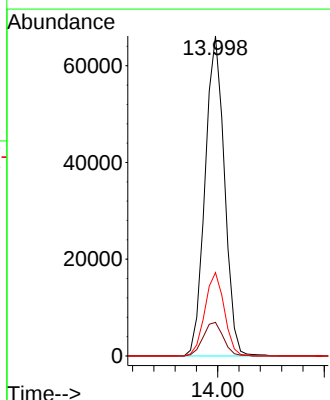
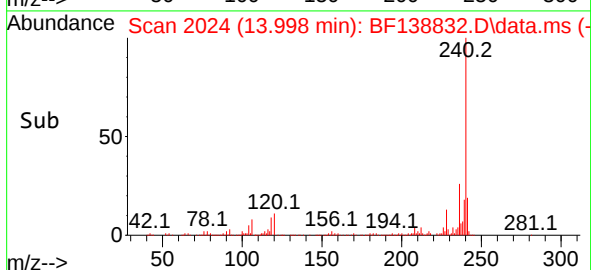
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

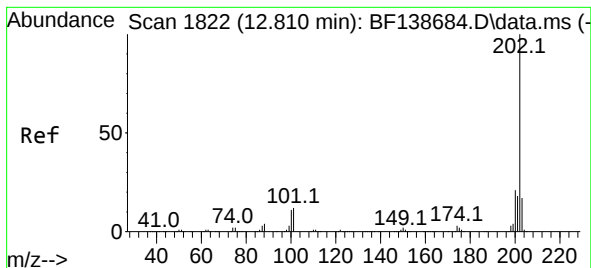


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42



Tgt Ion:240 Resp: 83753
Ion Ratio Lower Upper
240 100
120 10.5 10.2 15.4
236 26.0 19.8 29.8





#78

Pyrene

Concen: 9.283 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

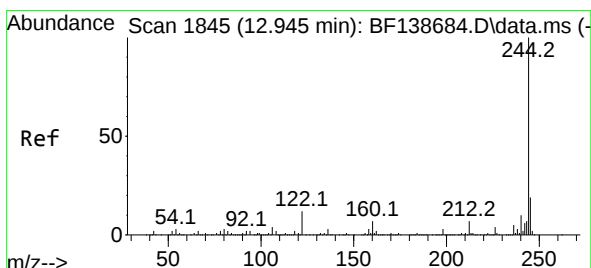
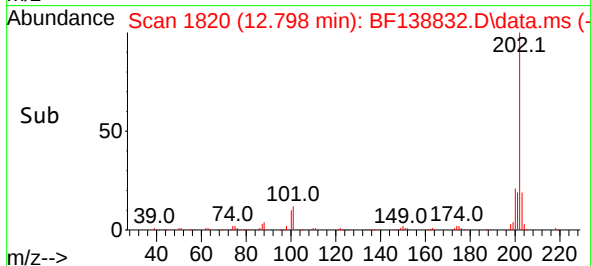
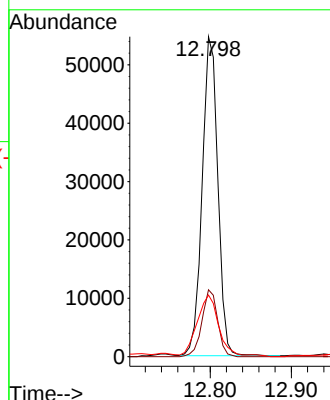
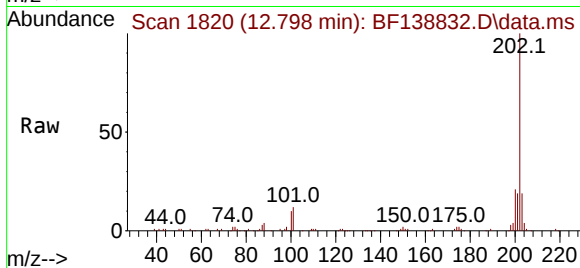
Tgt Ion:202	Resp: 73204
Ion Ratio	Lower Upper
202 100	
200 20.9	16.8 25.2
203 19.2	13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#79

Terphenyl-d14

Concen: 13.531 ng

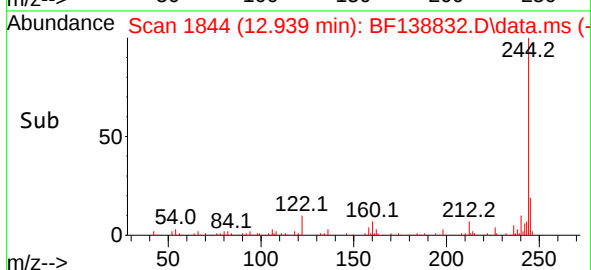
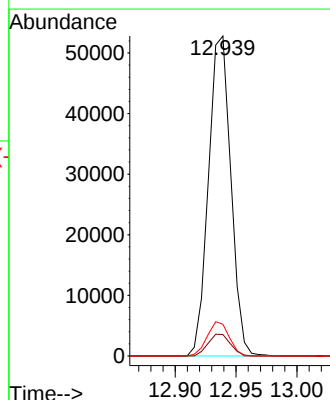
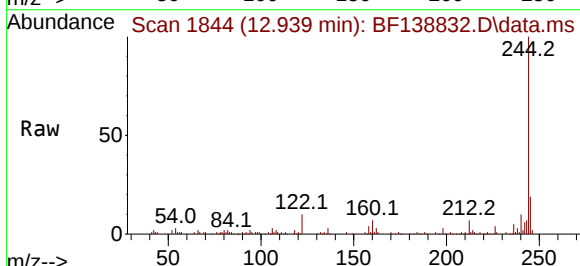
RT: 12.939 min Scan# 1844

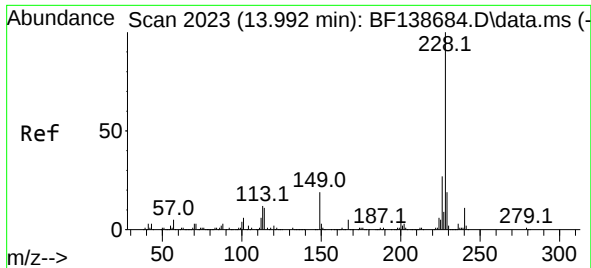
Delta R.T. -0.006 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Tgt Ion:244	Resp: 67688
Ion Ratio	Lower Upper
244 100	
212 6.7	5.4 8.2
122 9.9	9.6 14.4





#81
Benzo(a)anthracene
Concen: 4.020 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

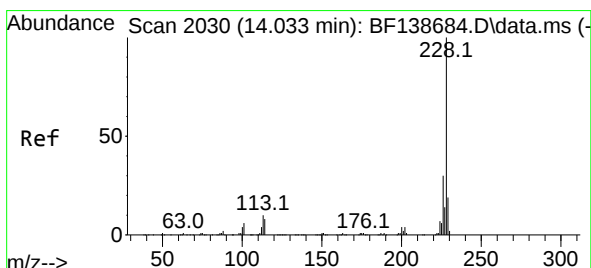
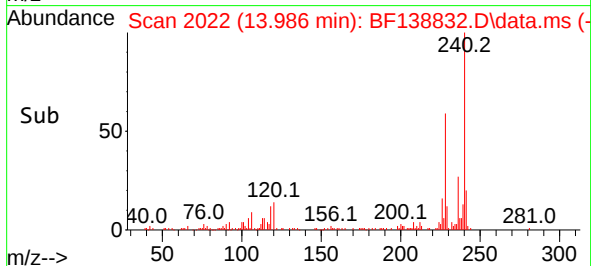
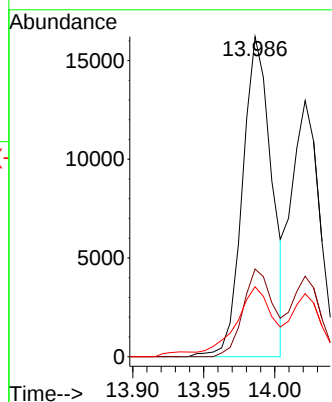
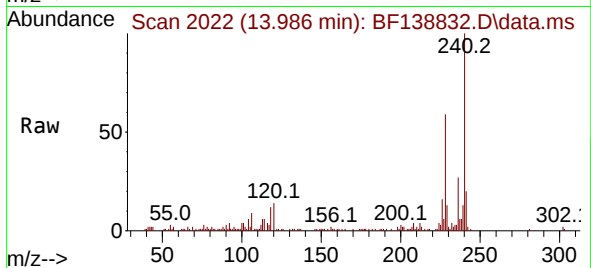
VNJ-220DL

Tgt Ion:228 Resp: 23180
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 21.9 15.4 23.0

Manual Integrations

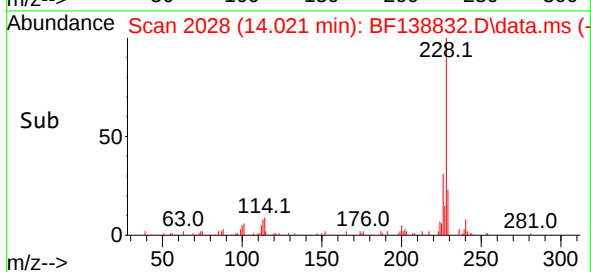
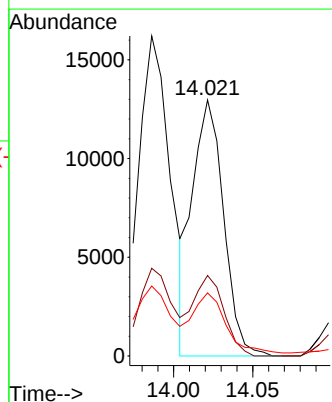
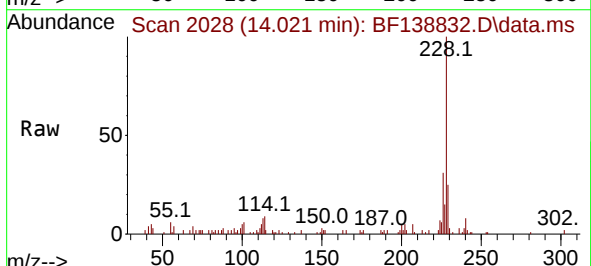
APPROVED

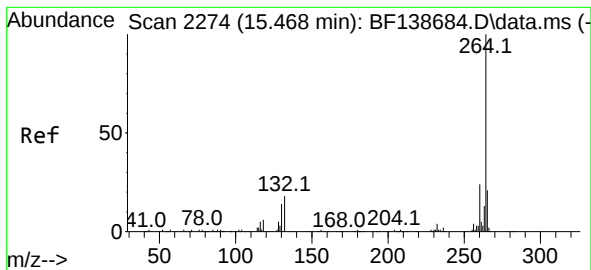
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#83
Chrysene
Concen: 3.418 ng m
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:228 Resp: 17783
Ion Ratio Lower Upper
228 100
226 31.4 23.7 35.5
229 24.6 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

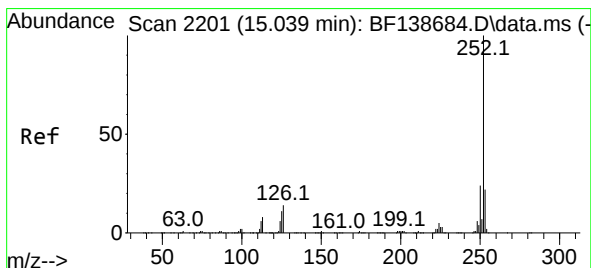
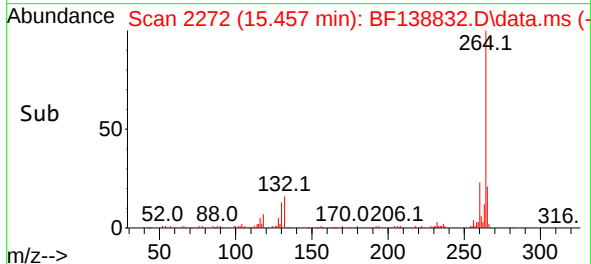
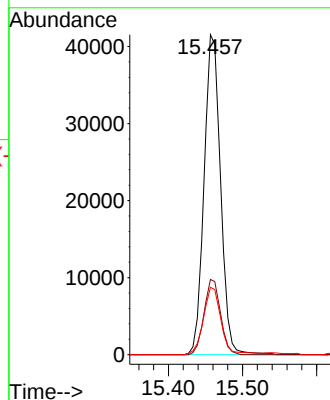
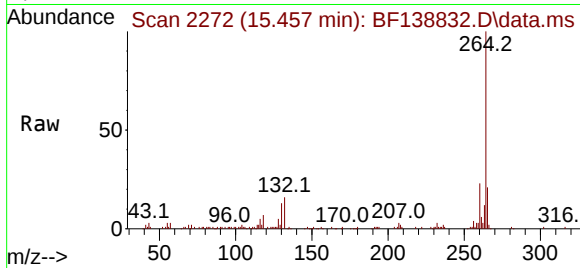
Tgt Ion:264	Resp:	6416
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.0 28.6
265	21.0	17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#88

Benzo(b)fluoranthene

Concen: 2.959 ng m

RT: 15.033 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Tgt Ion:252	Resp:	11770
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.5 26.3
125	11.9	8.9 13.3

