

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135981.D
 Acq On : 27 Oct 2023 13:23
 Operator : CG\JU
 Sample : 04882-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

Quant Time: Oct 27 22:29:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	173121	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	684757	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	349003	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	586826	20.000	ng	0.00
76) Chrysene-d12	14.009	240	320728	20.000	ng	0.00
86) Perylene-d12	15.498	264	379357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1522275	135.780	ng	0.02
7) Phenol-d6	6.463	99	1898738	136.036	ng	0.00
23) Nitrobenzene-d5	7.392	82	1101417	101.697	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	532452	174.299	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2006580	92.063	ng	0.00
79) Terphenyl-d14	12.957	244	1760699	91.720	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.151	266	11140	6.817	ng	98
71) Phenanthrene	11.374	178	131438	4.427	ng	98
75) Fluoranthene	12.568	202	153018	4.899	ng	97
78) Pyrene	12.798	202	145276	5.395	ng	98
81) Benzo(a)anthracene	13.998	228	46267	2.122	ng	95
83) Chrysene	14.033	228	59460	2.799	ng	99
88) Benzo(b)fluoranthene	15.056	252	73353m	3.249	ng	
90) Benzo(a)pyrene	15.427	252	44479	2.138	ng	98
92) Benzo(g,h,i)perylene	17.450	276	22628	4.755	ng #	86

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

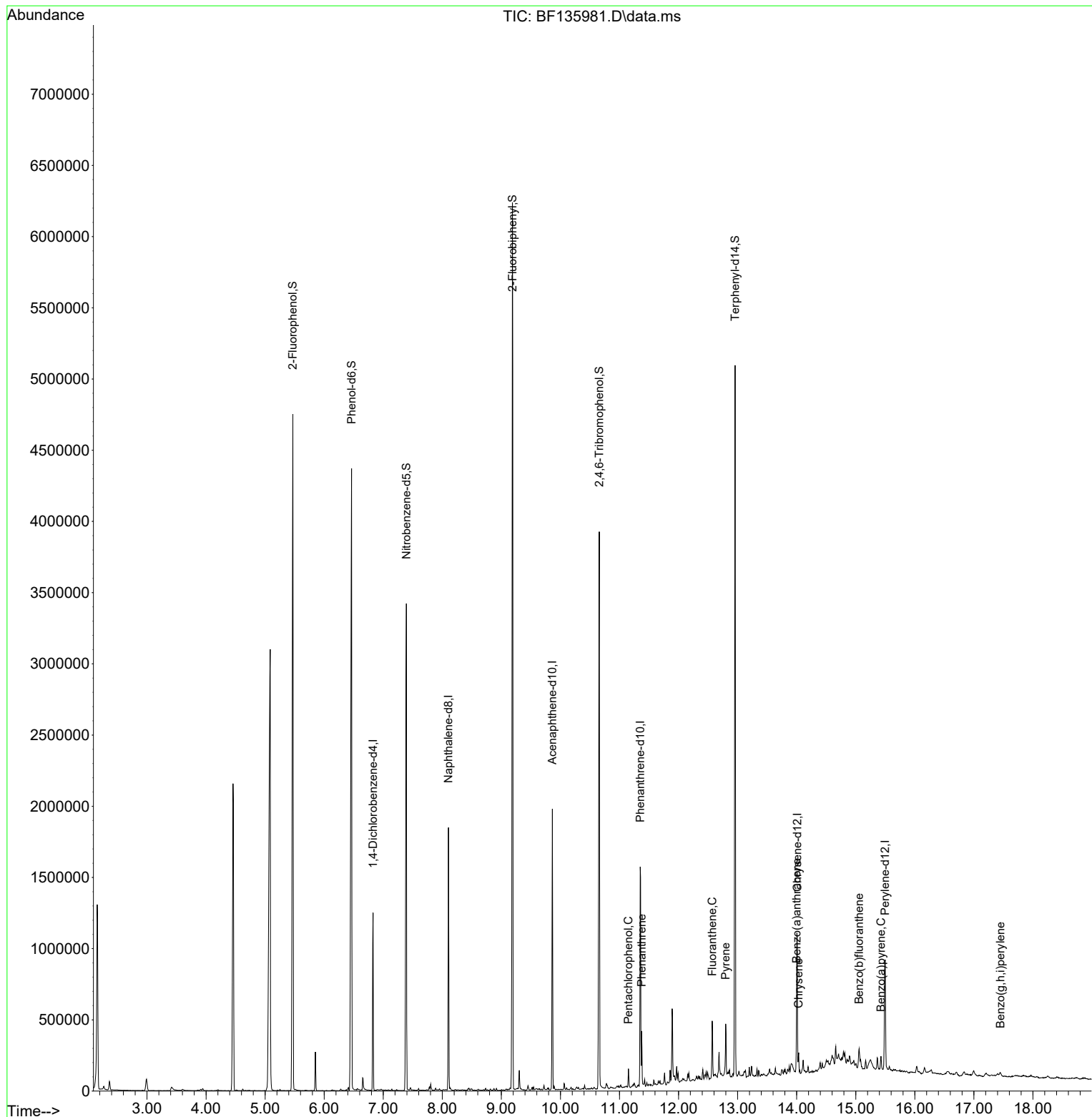
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
Data File : BF135981.D
Acq On : 27 Oct 2023 13:23
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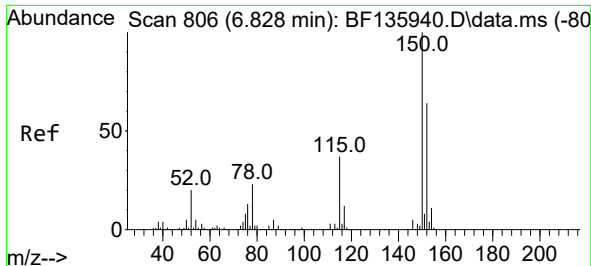
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Quant Time: Oct 27 22:29:57 2023
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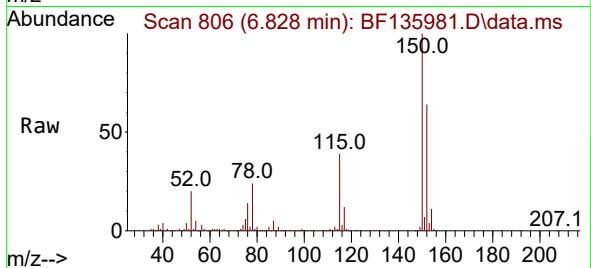
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

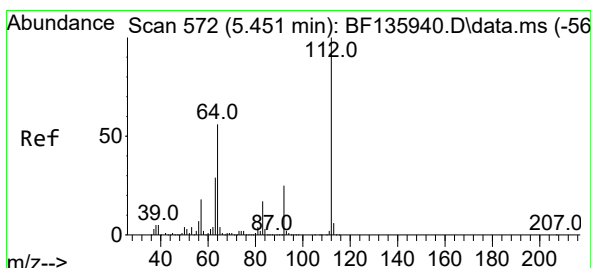
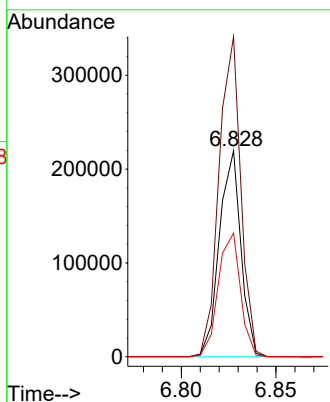
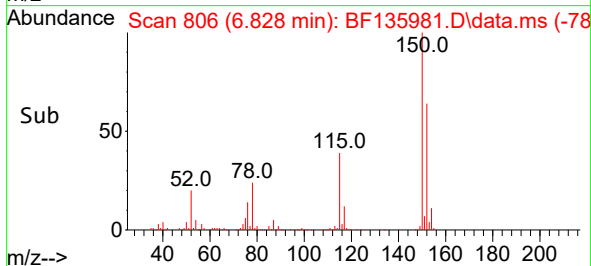
Instrument :
BNA_F
ClientSampleId :
VNJ-218RE



Tgt Ion:152 Resp: 17312
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 60.0 46.6 69.8

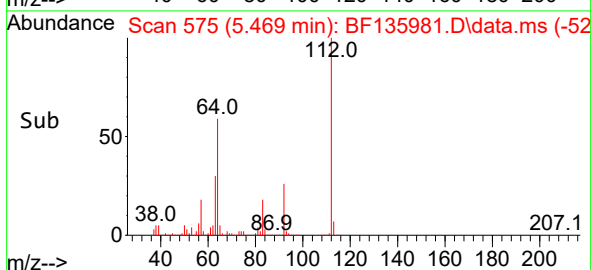
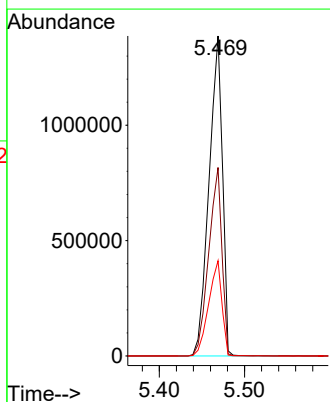
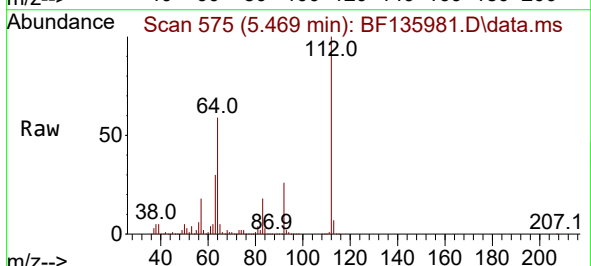
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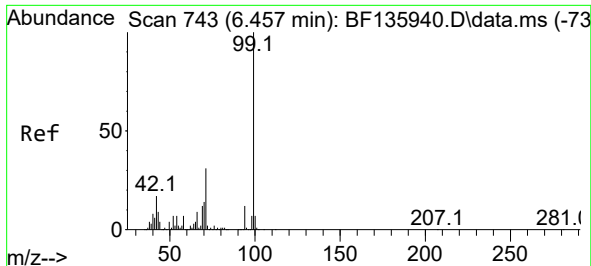
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#5
2-Fluorophenol
Concen: 135.780 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.018 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

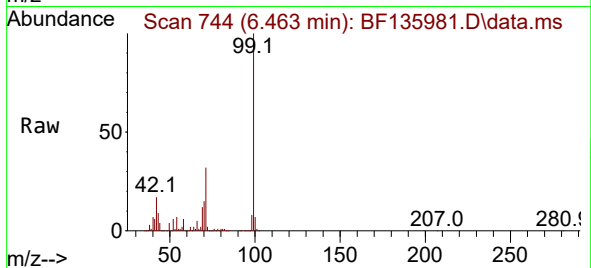
Tgt Ion:112 Resp: 1522275
Ion Ratio Lower Upper
112 100
64 58.9 45.1 67.7
63 29.8 23.0 34.4





#7
Phenol-d6
Concen: 136.036 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

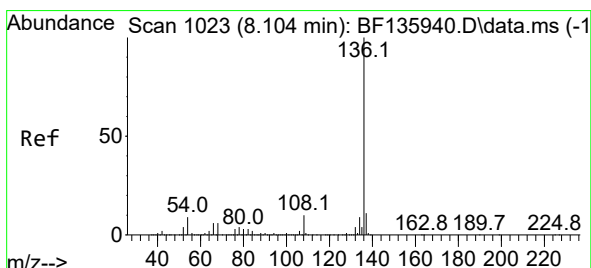
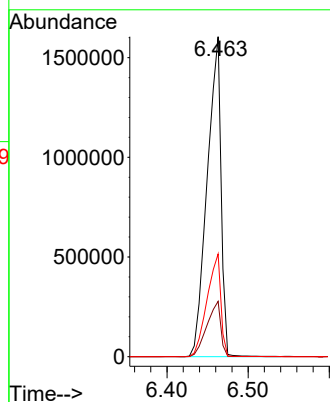
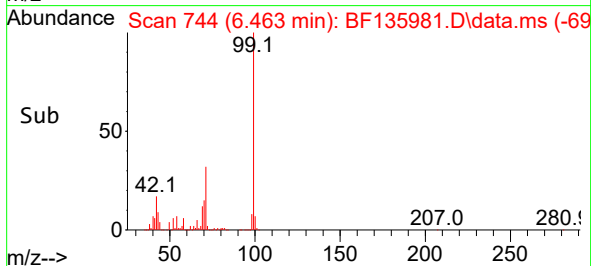
Instrument :
BNA_F
ClientSampleId :
VNJ-218RE



Tgt Ion: 99 Resp: 1898738
Ion Ratio Lower Upper
99 100
42 17.3 13.8 20.8
71 32.1 25.1 37.7

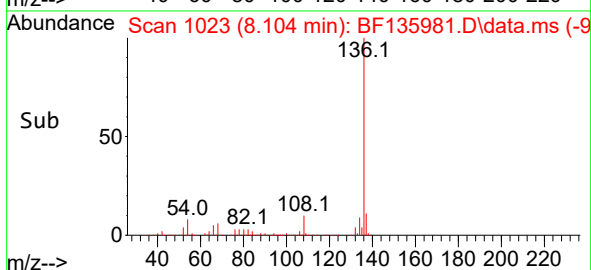
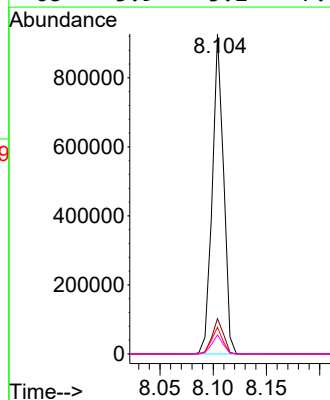
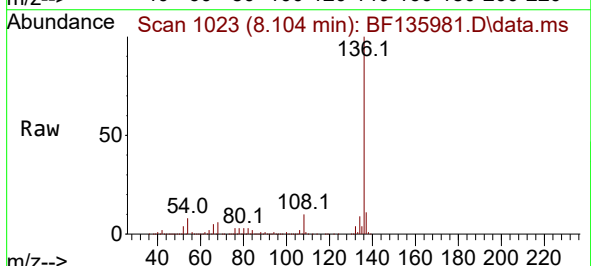
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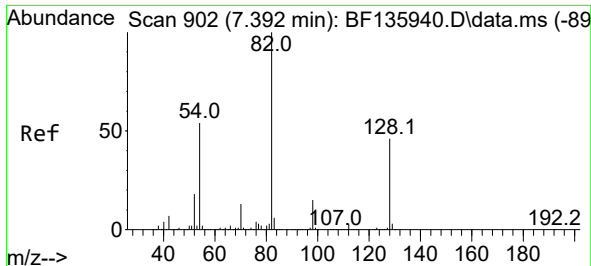
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Tgt Ion:136 Resp: 684757
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.3 7.1 10.7
68 5.9 5.2 7.8





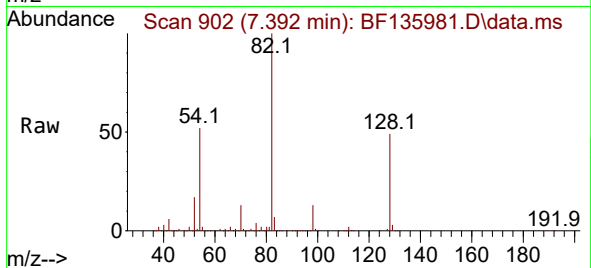
#23
Nitrobenzene-d5
Concen: 101.697 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Instrument :

BNA_F

ClientSampleId :

VNJ-218RE

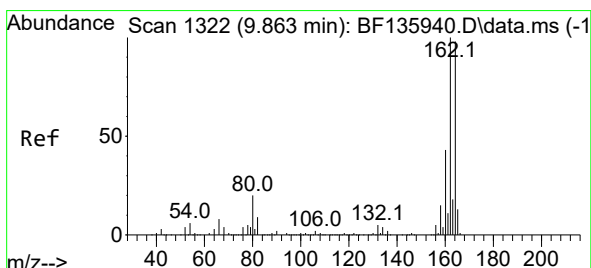
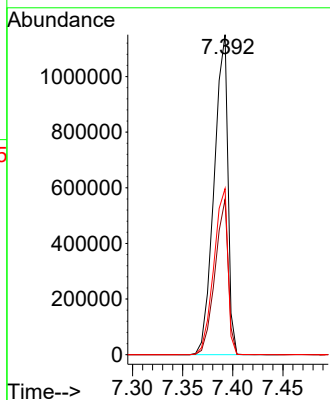
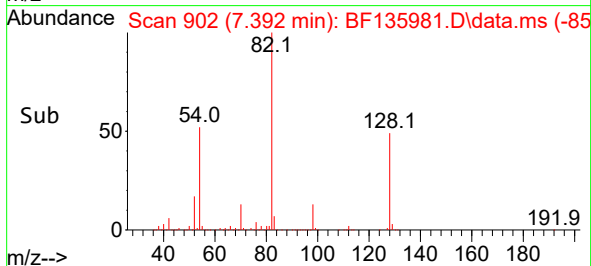


Tgt Ion: 82 Resp: 110141
Ion Ratio Lower Upper
82 100
128 48.5 36.8 55.2
54 51.9 43.4 65.0

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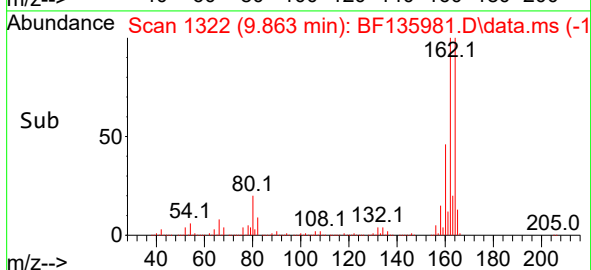
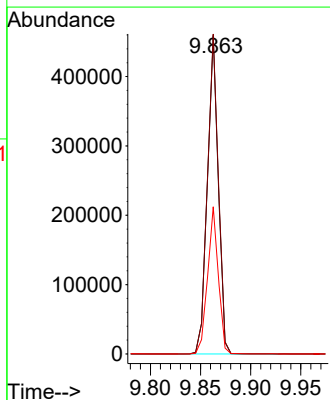
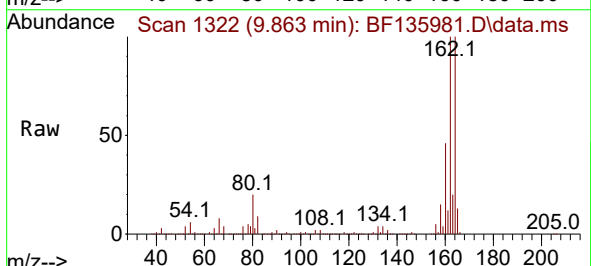
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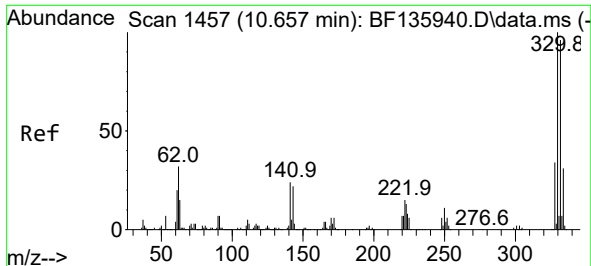
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

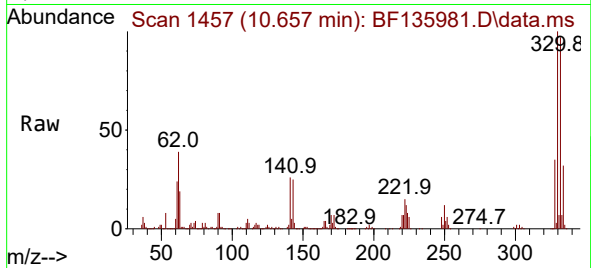
Tgt Ion:164 Resp: 349003
Ion Ratio Lower Upper
164 100
162 100.5 82.0 123.0
160 46.2 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 174.299 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

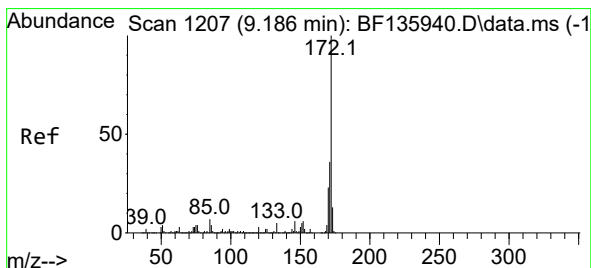
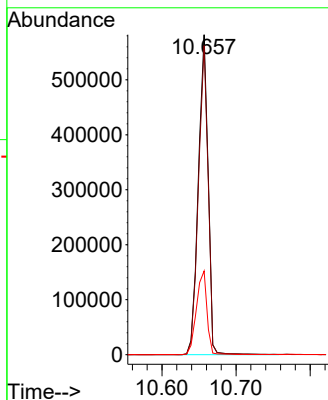
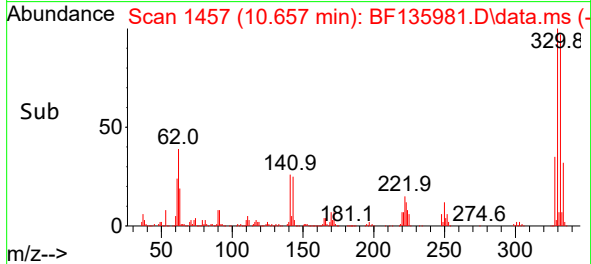
Instrument :
BNA_F
ClientSampleId :
VNJ-218RE



Tgt Ion:330 Resp: 532452
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.2
141 28.1 24.9 37.3

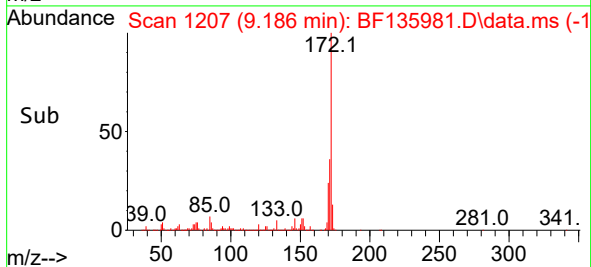
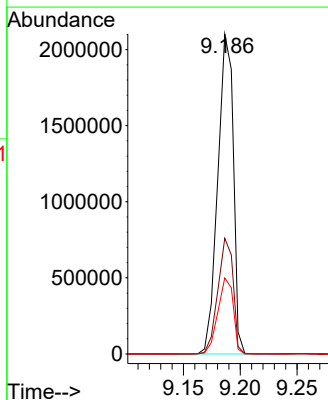
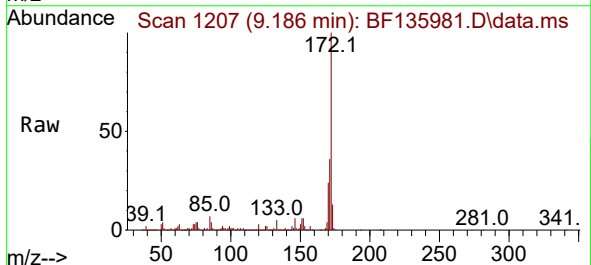
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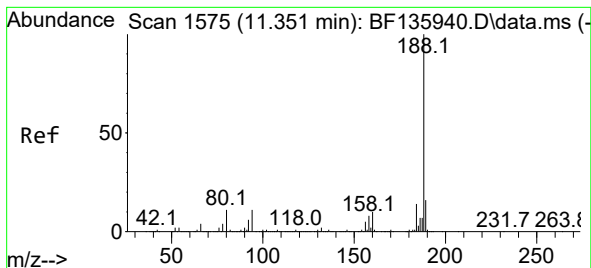
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#45
2-Fluorobiphenyl
Concen: 92.063 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Tgt Ion:172 Resp: 2006580
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.8 18.6 28.0





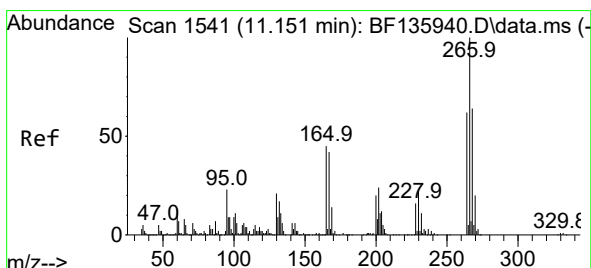
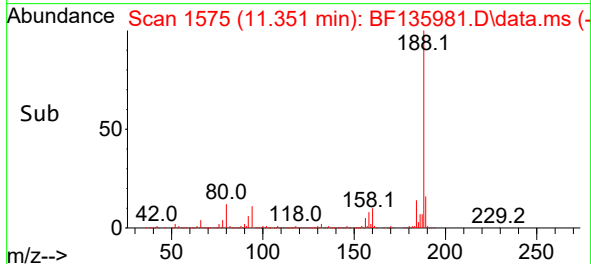
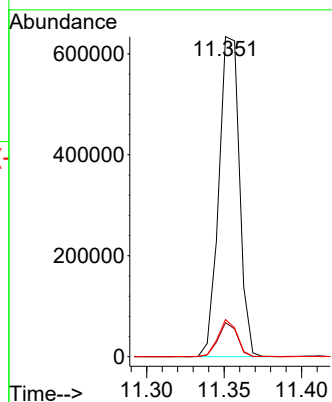
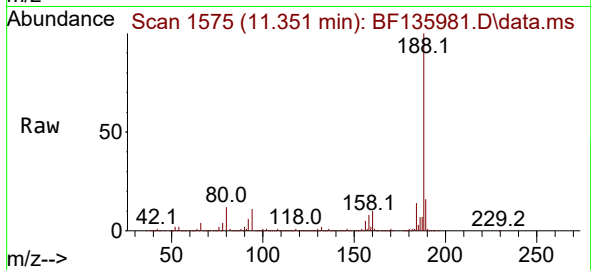
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Tgt Ion:188 Resp: 586820
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.6 9.0 13.6

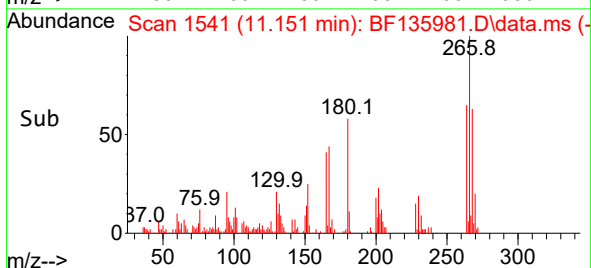
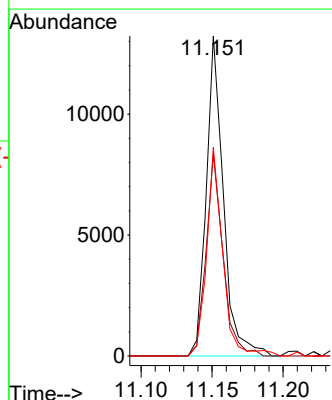
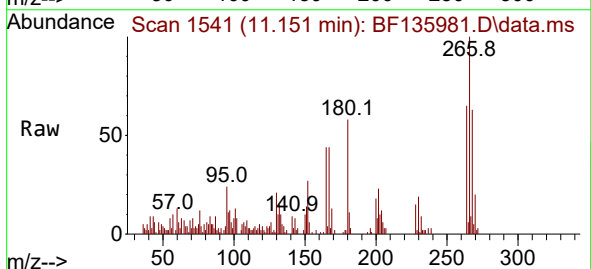
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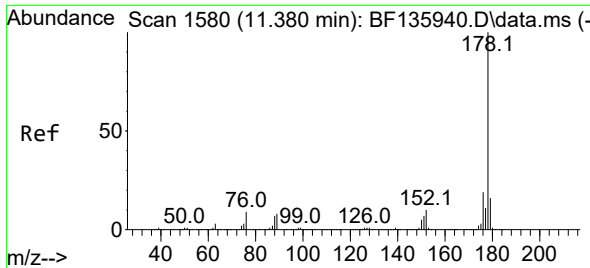
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#70
Pentachlorophenol
Concen: 6.817 ng
RT: 11.151 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Tgt Ion:266 Resp: 11140
Ion Ratio Lower Upper
266 100
268 63.2 50.8 76.2
264 65.2 49.8 74.6





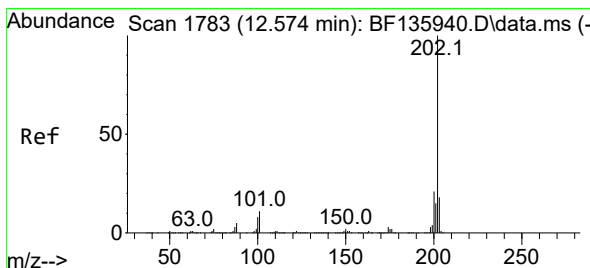
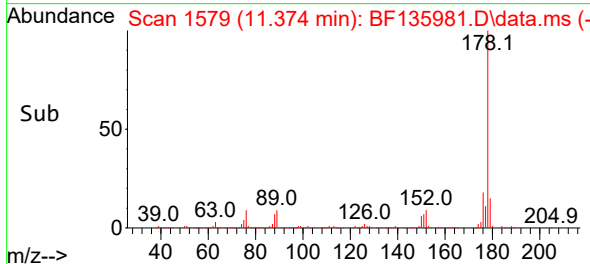
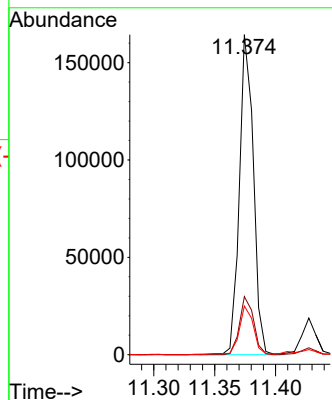
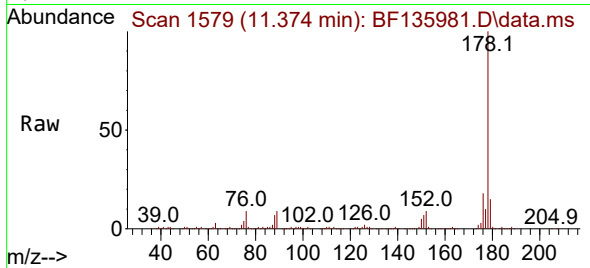
#71
Phenanthrene
Concen: 4.427 ng
RT: 11.374 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Tgt Ion:178 Resp: 131438
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.2 12.5 18.7

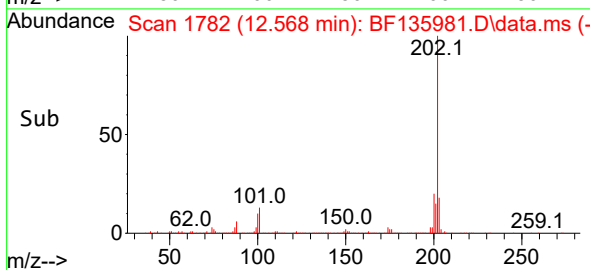
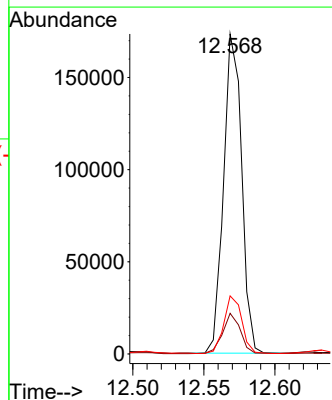
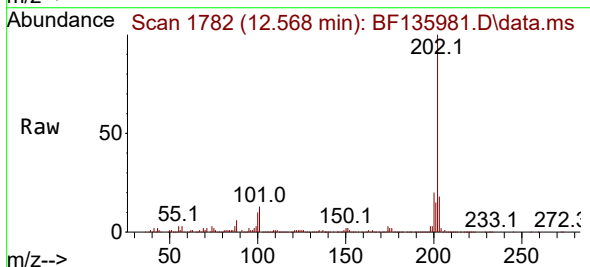
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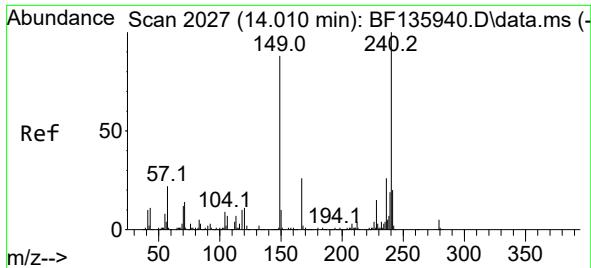
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#75
Fluoranthene
Concen: 4.899 ng
RT: 12.568 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Tgt Ion:202 Resp: 153018
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.6
203 18.2 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Instrument :

BNA_F

ClientSampleId :

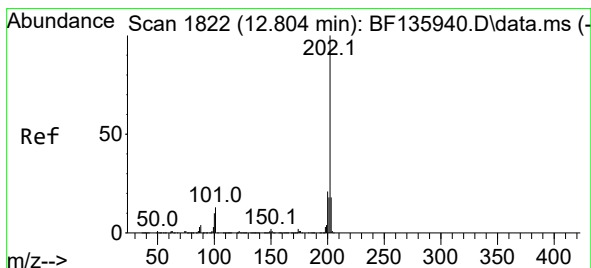
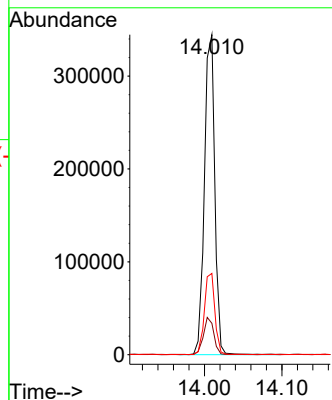
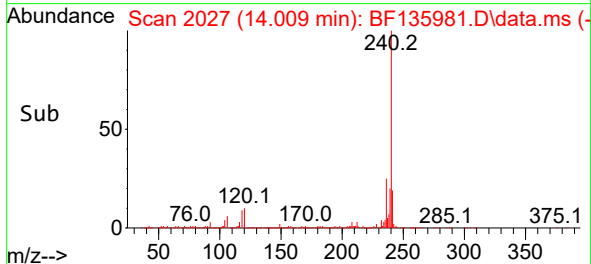
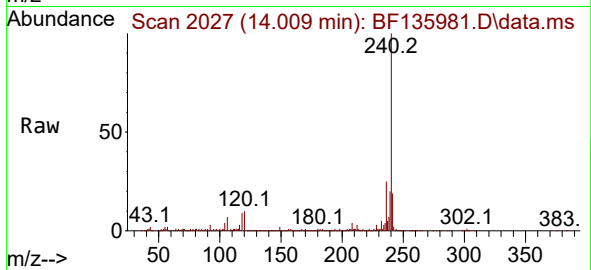
VNJ-218RE

Tgt Ion:240 Resp: 320728
Ion Ratio Lower Upper
240 100
120 9.8 8.6 13.0
236 25.4 20.6 30.8

Manual Integrations

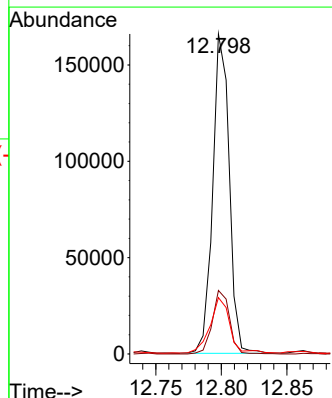
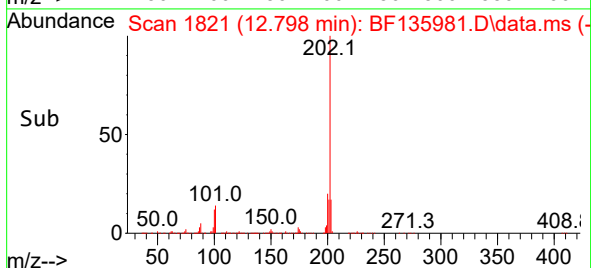
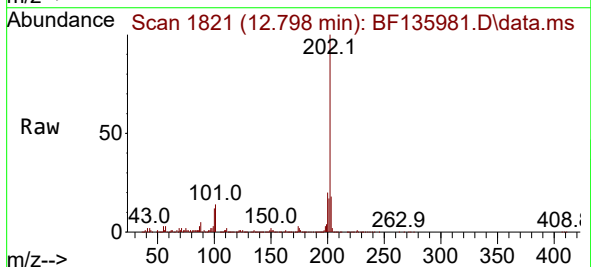
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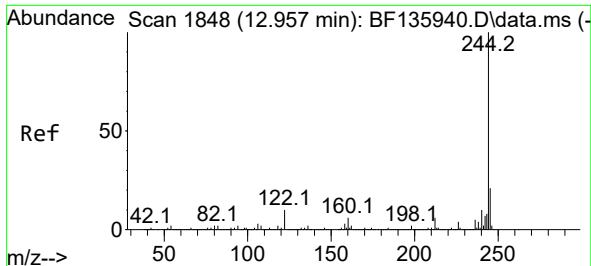
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#78
Pyrene
Concen: 5.395 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Tgt Ion:202 Resp: 145276
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.6
203 17.6 14.5 21.7





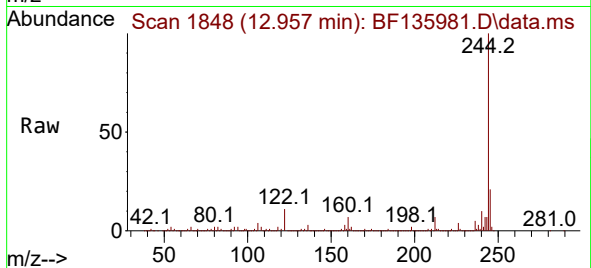
#79
 Terphenyl-d14
 Concen: 91.720 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF135981.D
 Acq: 27 Oct 2023 13:23

Instrument :

BNA_F

ClientSampleId :

VNJ-218RE



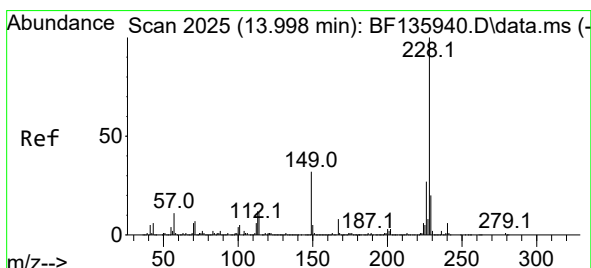
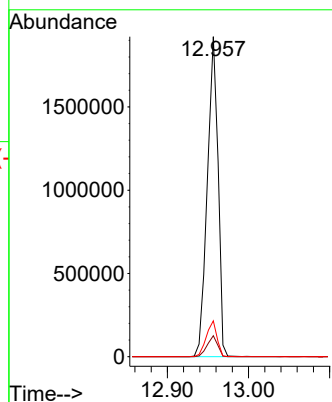
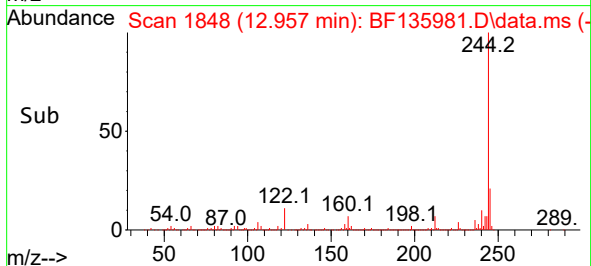
Tgt Ion:244 Resp: 1760699
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.6
 122 11.2 8.0 12.0

Manual Integrations

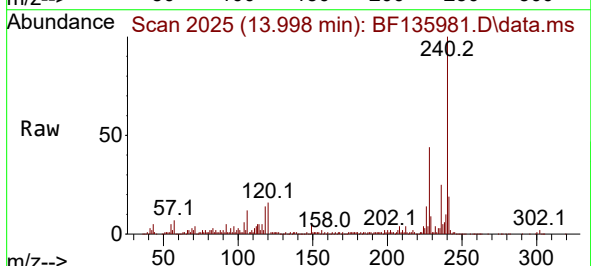
APPROVED

Reviewed By :Yogesh Patel 10/28/2023

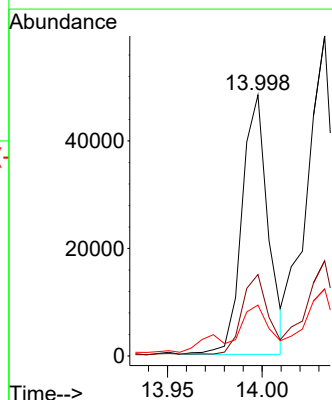
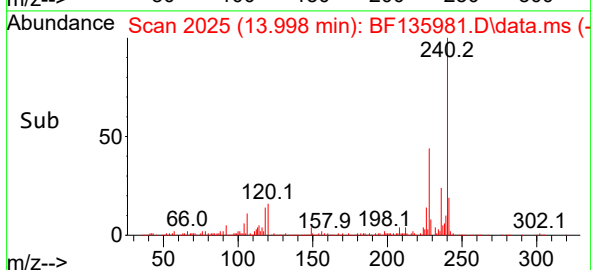
Supervised By :mohammad ahmed 10/28/2023

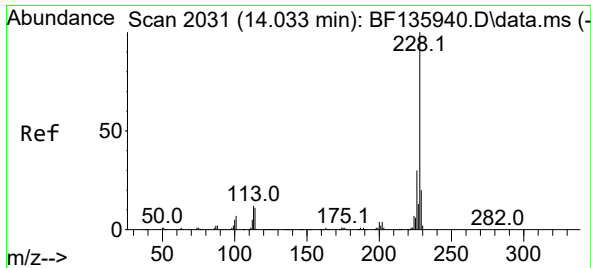


#81
 Benzo(a)anthracene
 Concen: 2.122 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF135981.D
 Acq: 27 Oct 2023 13:23



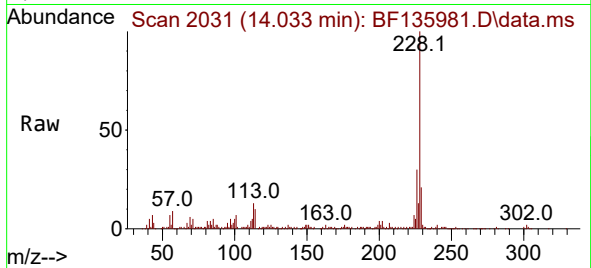
Tgt Ion:228 Resp: 46267
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.8 32.6
 229 19.5 16.2 24.4





#83
Chrysene
Concen: 2.799 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

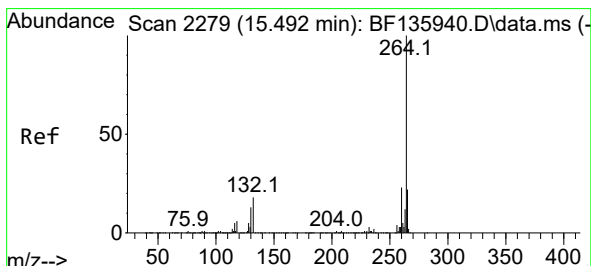
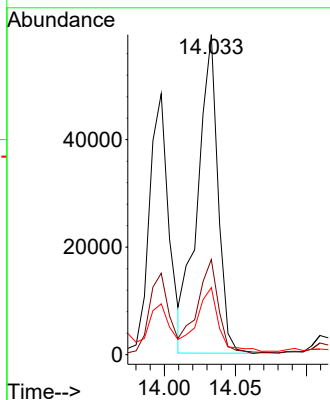
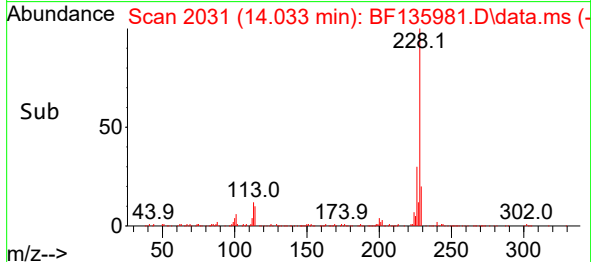
Instrument :
BNA_F
ClientSampleId :
VNJ-218RE



Tgt Ion:228 Resp: 59460
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 20.9 16.2 24.2

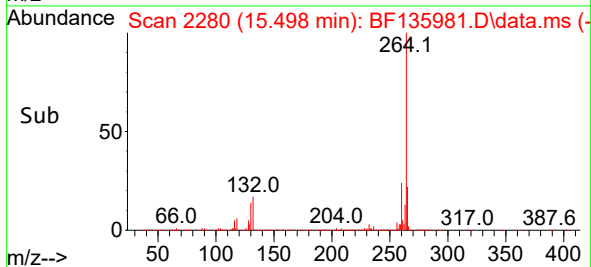
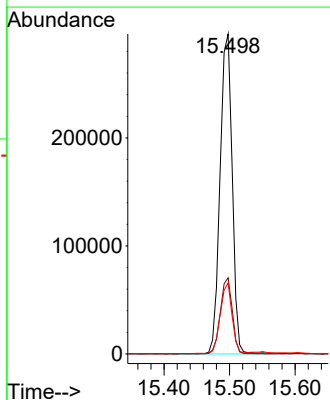
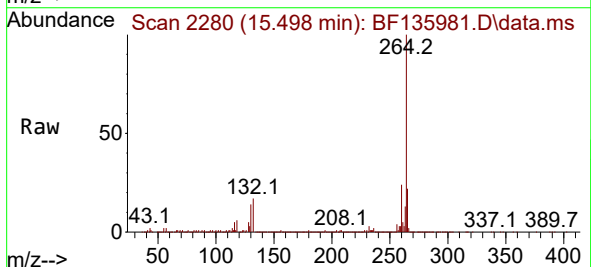
Manual Integrations
APPROVED

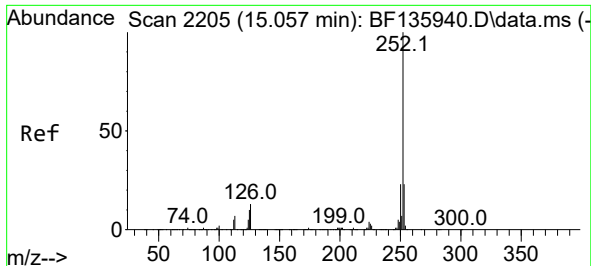
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

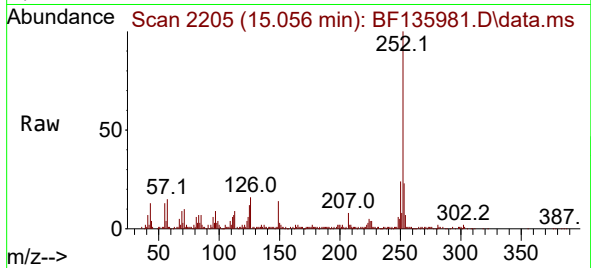
Tgt Ion:264 Resp: 379357
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.2 17.3 25.9





#88
Benzo(b)fluoranthene
Concen: 3.249 ng m
RT: 15.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

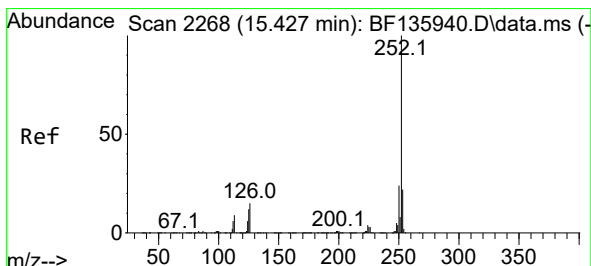
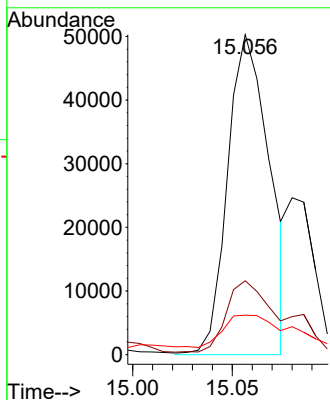
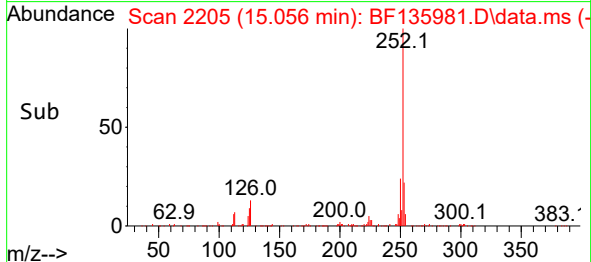
Instrument :
BNA_F
ClientSampleId :
VNJ-218RE



Tgt Ion:252 Resp: 7335
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 12.4 8.2 12.4

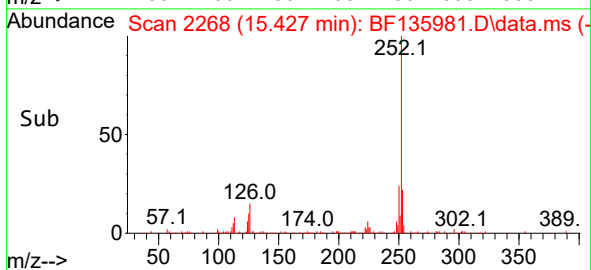
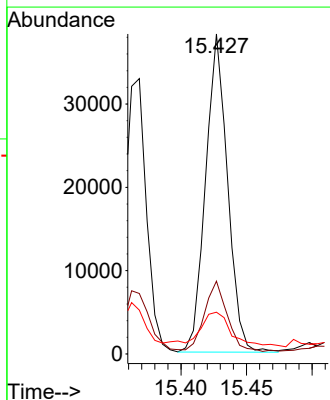
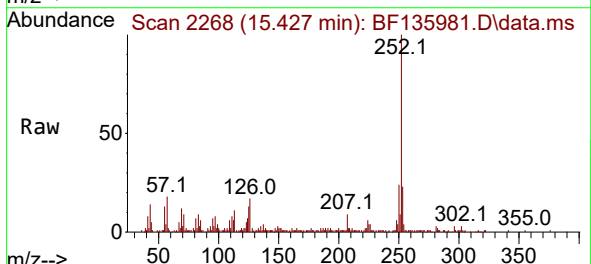
Manual Integrations
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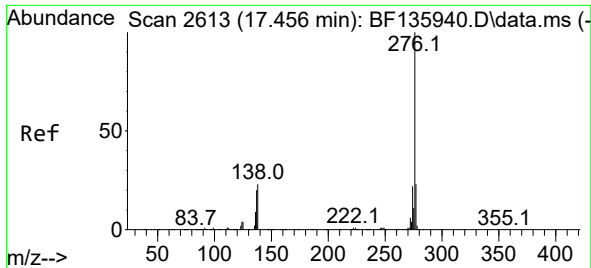
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#90
Benzo(a)pyrene
Concen: 2.138 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

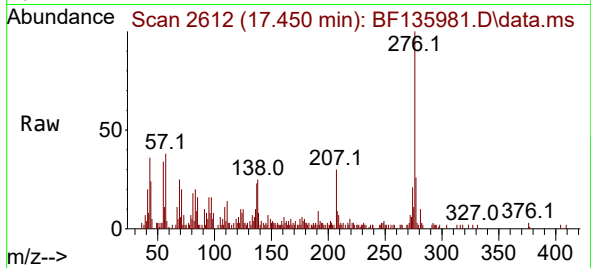
Tgt Ion:252 Resp: 44479
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 13.1 9.6 14.4





#92
Benzo(g,h,i)perylene
Concen: 4.755 ng
RT: 17.450 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135981.D
Acq: 27 Oct 2023 13:23

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE



Tgt Ion: 276 Resp: 22628
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 33.6 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

