

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135984.D
 Acq On : 27 Oct 2023 14:56
 Operator : CG\JU
 Sample : 04882-04RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228RE

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 22:30:56 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	171667	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	669469	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	326192	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	510390	20.000	ng	0.00
76) Chrysene-d12	14.010	240	346402	20.000	ng	0.00
86) Perylene-d12	15.498	264	404198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1065662	95.858	ng	0.00
7) Phenol-d6	6.457	99	1299350	93.881	ng	0.00
23) Nitrobenzene-d5	7.387	82	744910	73.368	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	303038	106.137	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	1340882	65.823	ng	0.00
79) Terphenyl-d14	12.951	244	989767	47.739	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.151	266	2492	4.891	ng	99
71) Phenanthrene	11.375	178	265119	10.267	ng	99
75) Fluoranthene	12.575	202	481045	17.708	ng	99
78) Pyrene	12.804	202	382399	13.147	ng	97
81) Benzo(a)anthracene	13.998	228	171916m	7.299	ng	
83) Chrysene	14.033	228	274017	11.945	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	71182	3.106	ng	98
88) Benzo(b)fluoranthene	15.057	252	438354m	18.223	ng	
89) Benzo(k)fluoranthene	15.086	252	101711m	4.305	ng	
90) Benzo(a)pyrene	15.427	252	188079	8.484	ng	99
92) Benzo(g,h,i)perylene	17.451	276	54457	6.010	ng	96

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

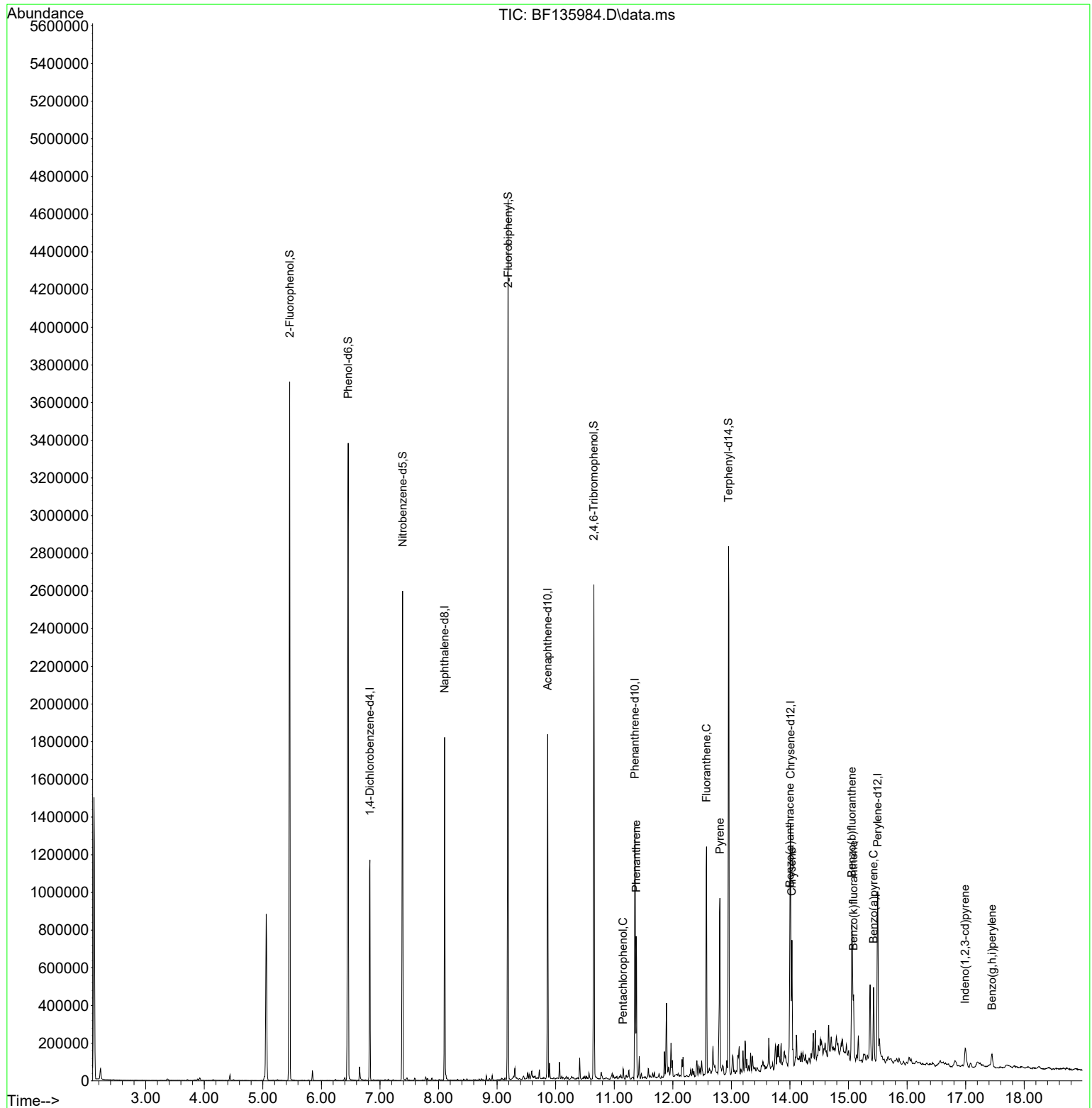
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
Data File : BF135984.D
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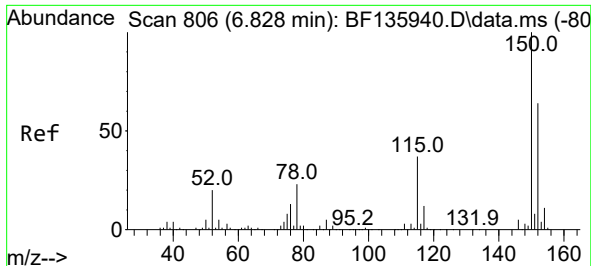
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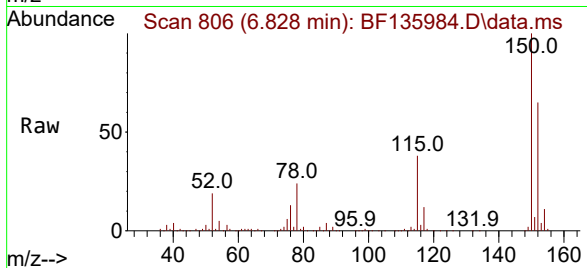
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

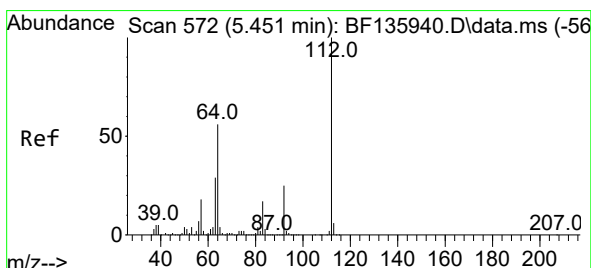
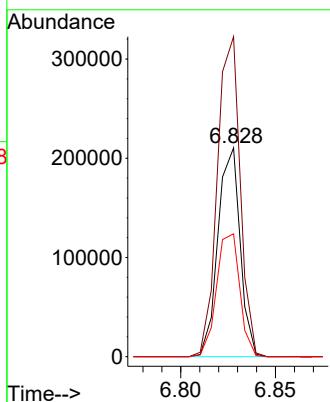
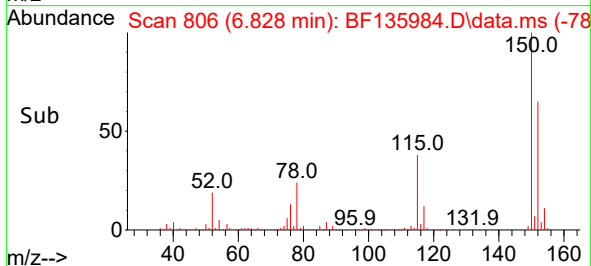
Instrument :
BNA_F
ClientSampleId :
VNJ-228RE



Tgt Ion:152 Resp: 171662
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 58.9 46.6 69.8

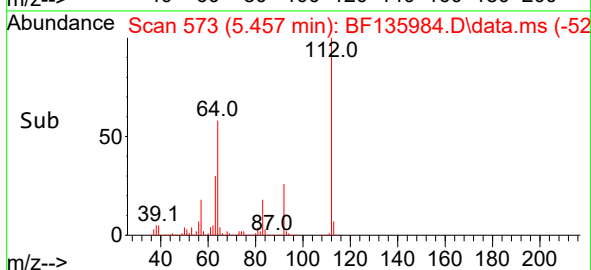
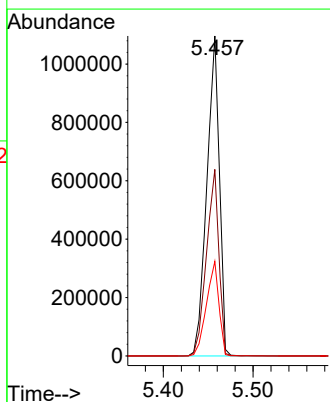
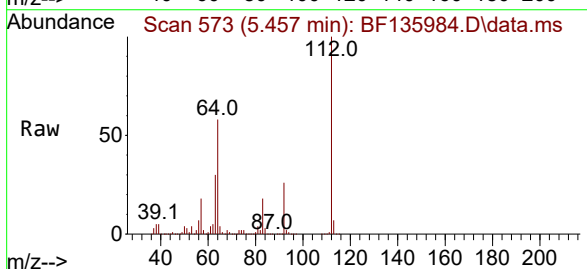
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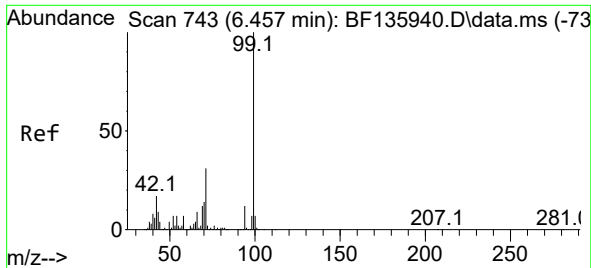
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#5
2-Fluorophenol
Concen: 95.858 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

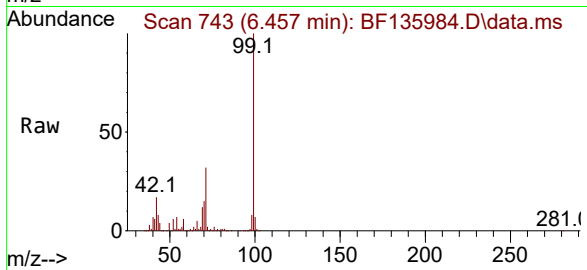
Tgt Ion:112 Resp: 1065662
Ion Ratio Lower Upper
112 100
64 58.3 45.1 67.7
63 29.5 23.0 34.4





#7
Phenol-d6
Concen: 93.881 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

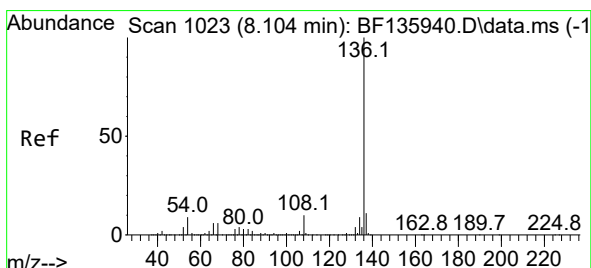
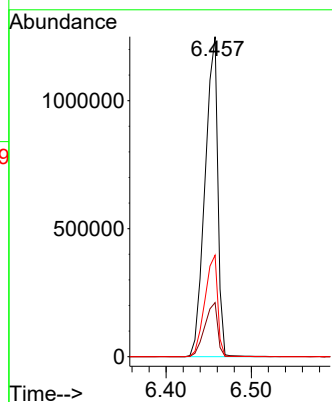
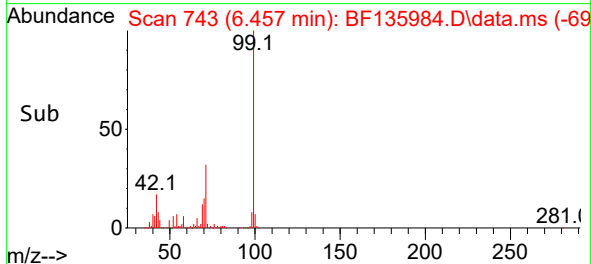
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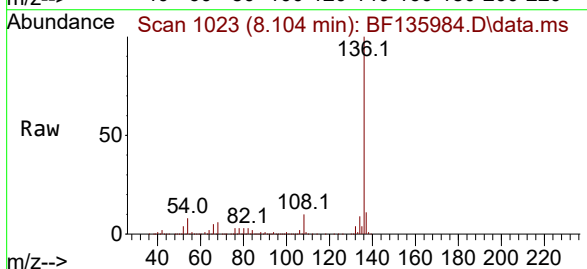
Tgt Ion: 99 Resp: 1299350
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.8
71 31.7 25.1 37.7

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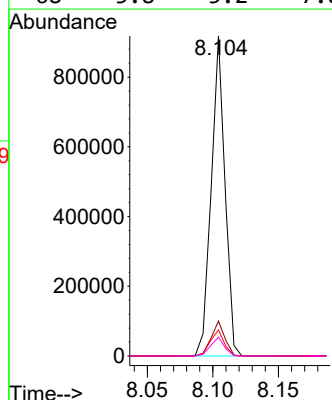
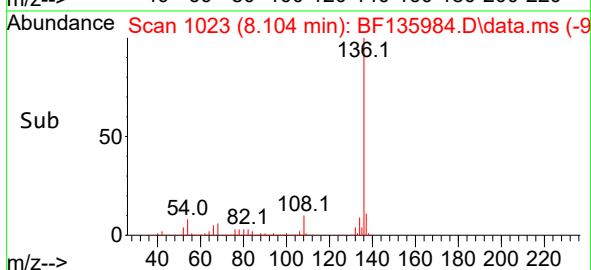
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

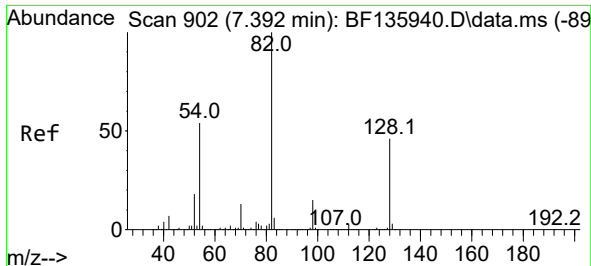


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56



Tgt Ion:136 Resp: 669469
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.2 7.1 10.7
68 5.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 73.368 ng

RT: 7.387 min Scan# 902

Delta R.T. -0.005 min

Lab File: BF135984.D

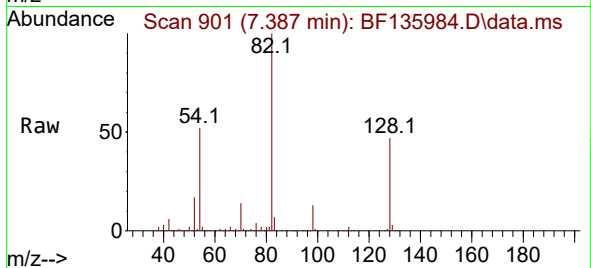
Acq: 27 Oct 2023 14:56

Instrument :

BNA_F

ClientSampleId :

VNJ-228RE



Tgt Ion: 82 Resp: 744910

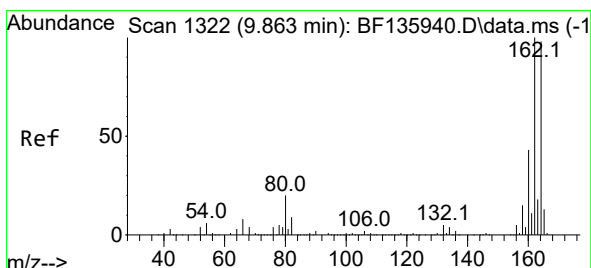
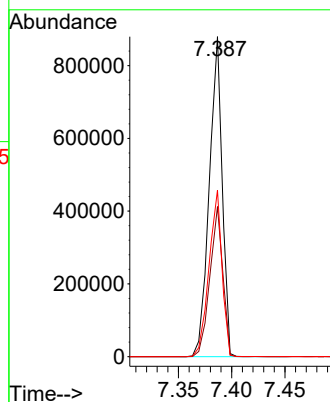
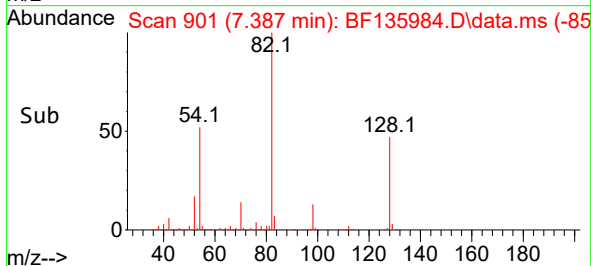
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.8	55.2
54	52.1	43.4	65.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

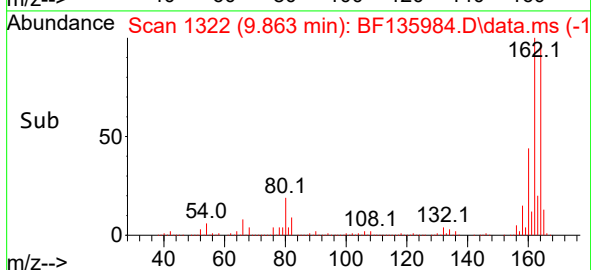
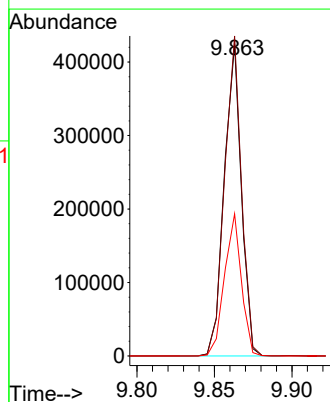
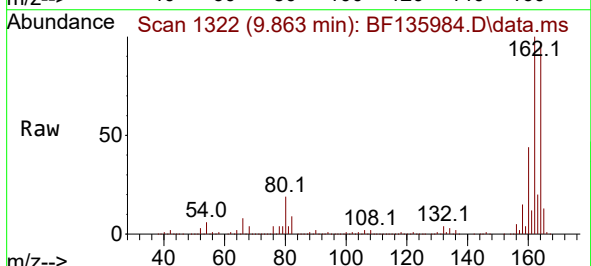
Delta R.T. -0.000 min

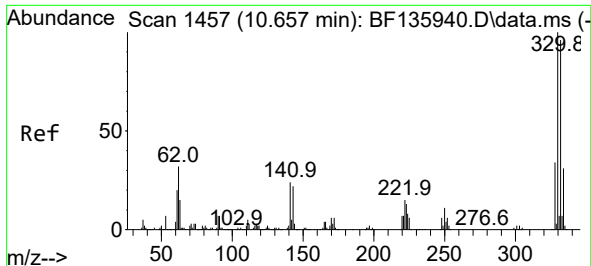
Lab File: BF135984.D

Acq: 27 Oct 2023 14:56

Tgt Ion:164 Resp: 326192

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.0	123.0
160	45.6	35.6	53.4





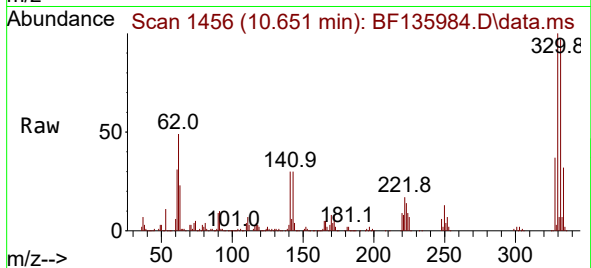
#42
2,4,6-Tribromophenol
Concen: 106.137 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

Instrument :

BNA_F

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VNJ-228RE

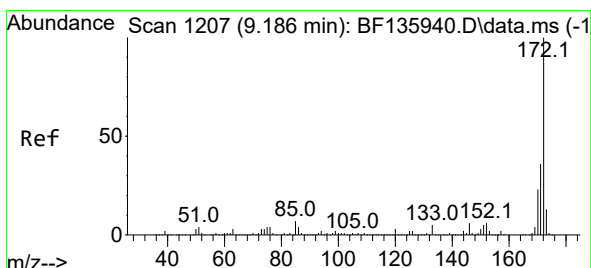
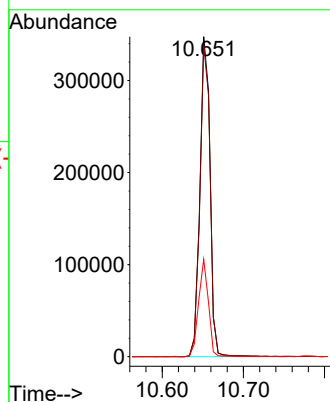
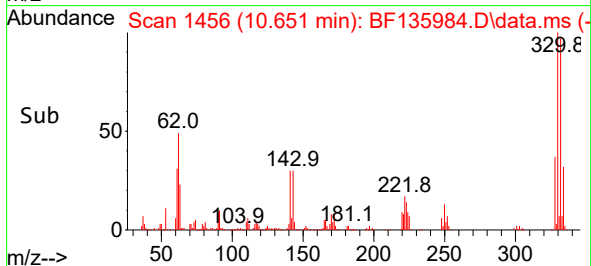


Tgt Ion:330 Resp: 303038
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 29.6 24.9 37.3

Manual Integrations

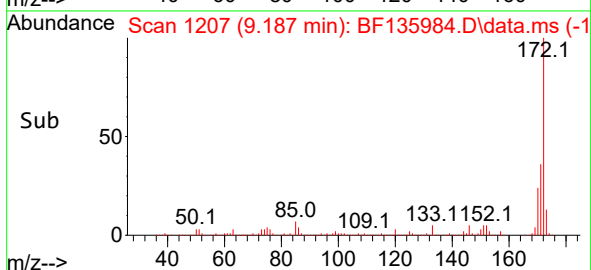
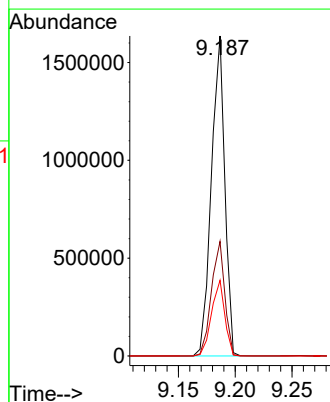
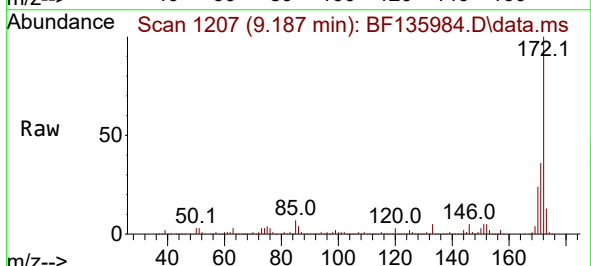
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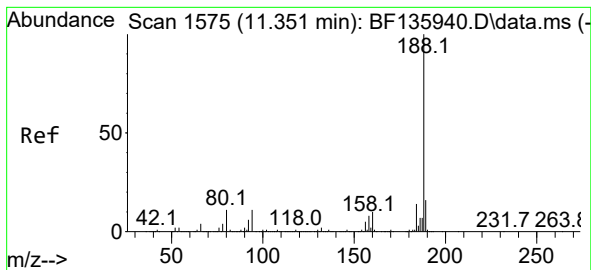
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#45
2-Fluorobiphenyl
Concen: 65.823 ng
RT: 9.187 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

Tgt Ion:172 Resp: 1340882
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.6 18.6 28.0





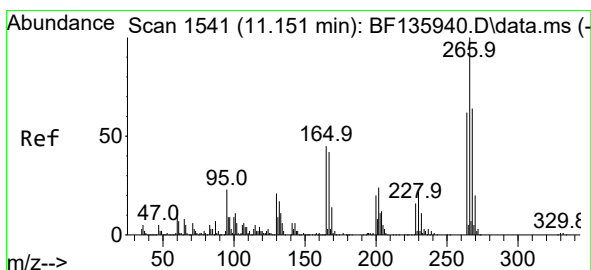
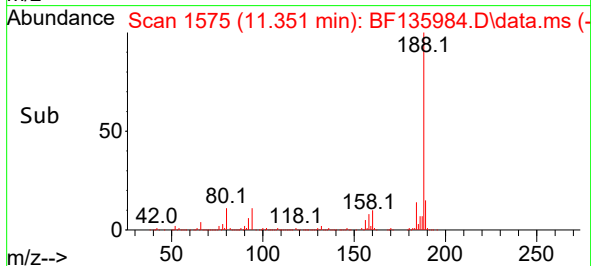
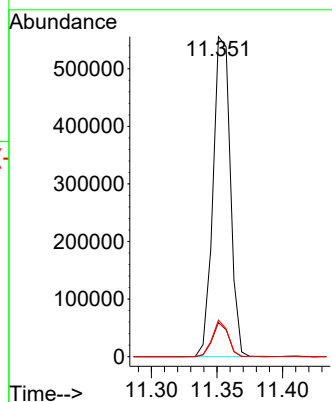
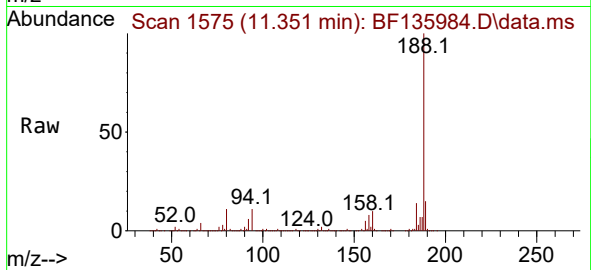
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

Instrument :
BNA_F
ClientSampleId :
VNJ-228RE

Tgt Ion:188 Resp: 510390
Ion Ratio Lower Upper
188 100
94 10.7 8.6 13.0
80 11.4 9.0 13.6

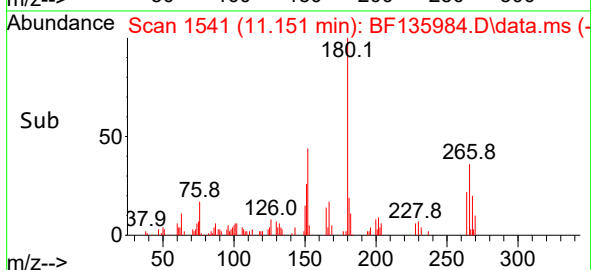
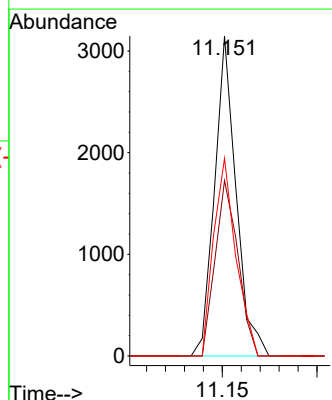
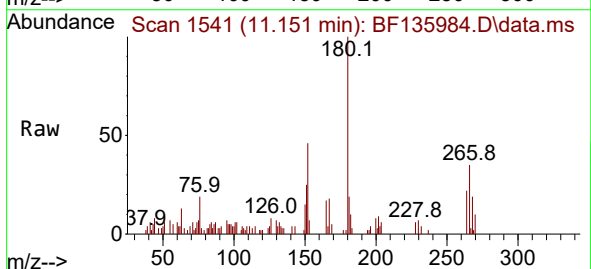
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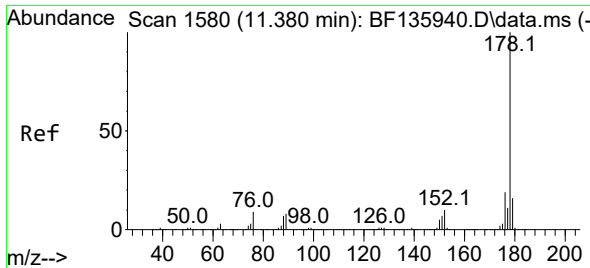
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#70
Pentachlorophenol
Concen: 4.891 ng
RT: 11.151 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

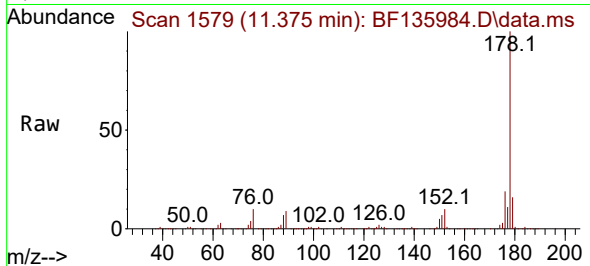
Tgt Ion:266 Resp: 2492
Ion Ratio Lower Upper
266 100
268 61.8 50.8 76.2
264 61.8 49.8 74.6





#71
Phenanthrene
Concen: 10.267 ng
RT: 11.375 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

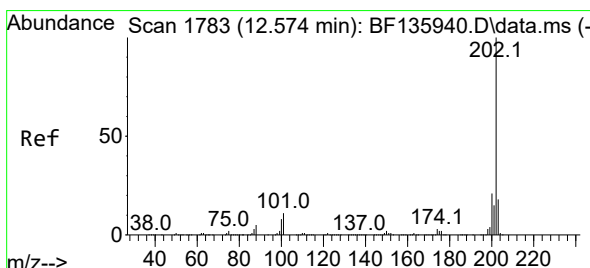
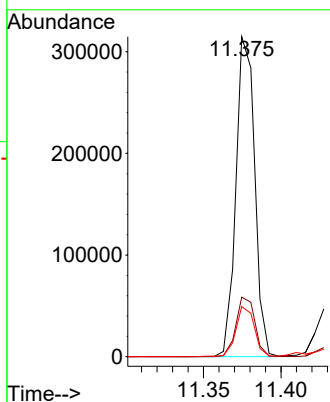
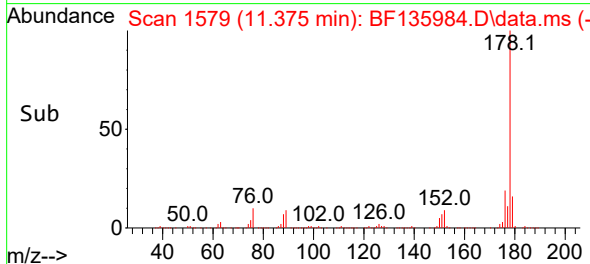
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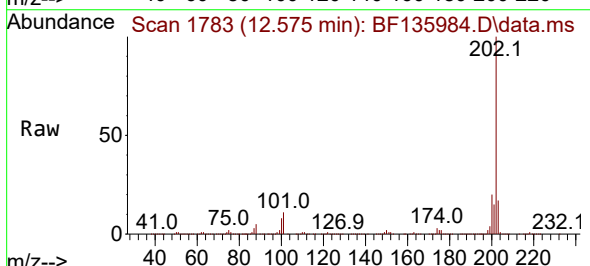
Tgt Ion:178 Resp: 265119
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.6 12.5 18.7

Manual Integrations
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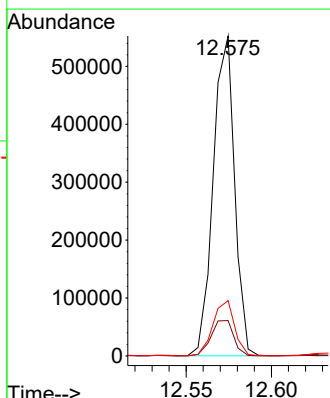
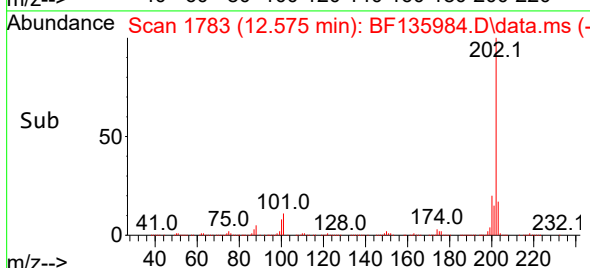
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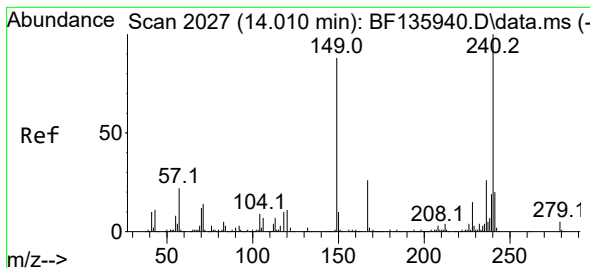


#75
Fluoranthene
Concen: 17.708 ng
RT: 12.575 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56



Tgt Ion:202 Resp: 481045
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.6
203 17.3 0.0 37.5





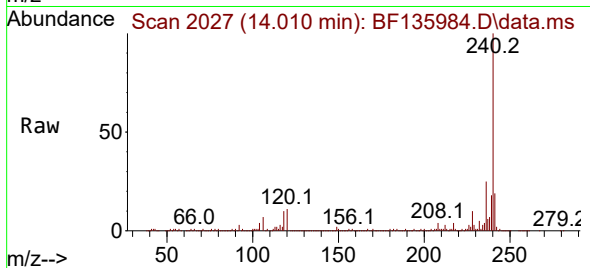
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

Instrument :

BNA_F

ClientSampleId :

VNJ-228RE

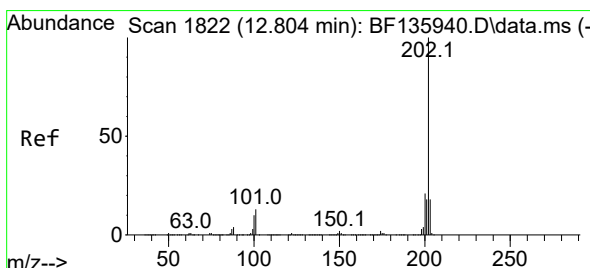
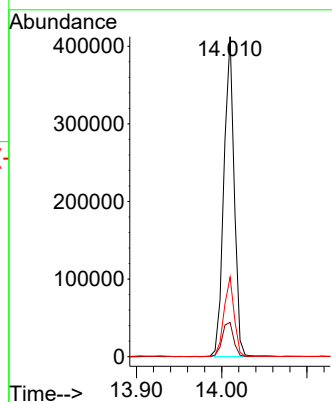
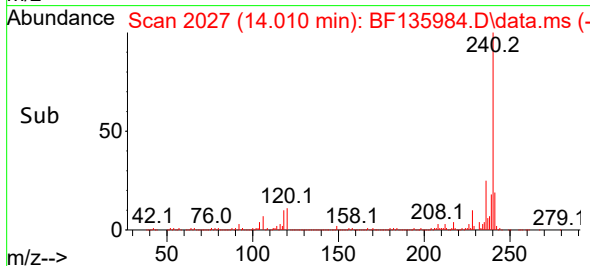


Tgt Ion:240 Resp: 346402
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 24.9 20.6 30.8

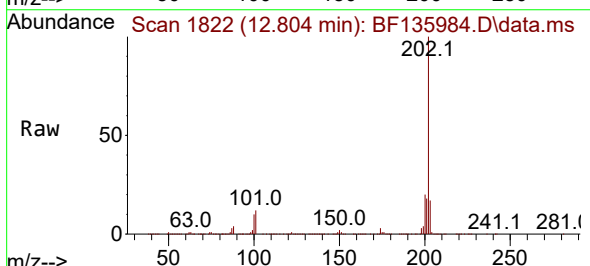
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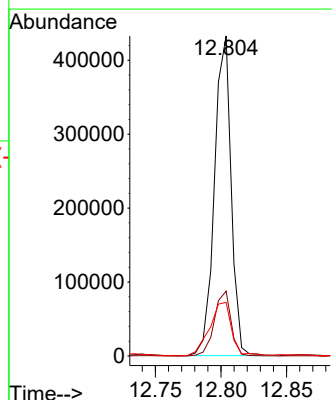
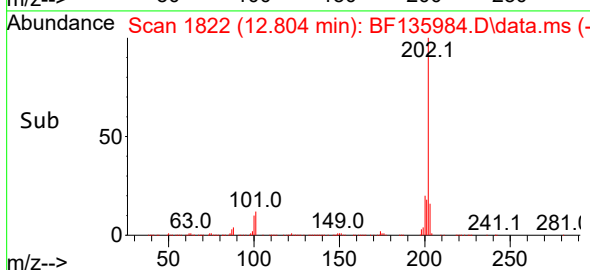
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

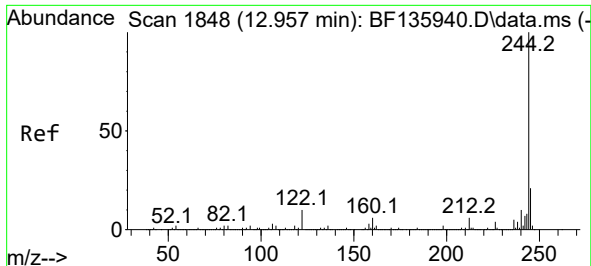


#78
Pyrene
Concen: 13.147 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56



Tgt Ion:202 Resp: 382399
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 16.7 14.5 21.7





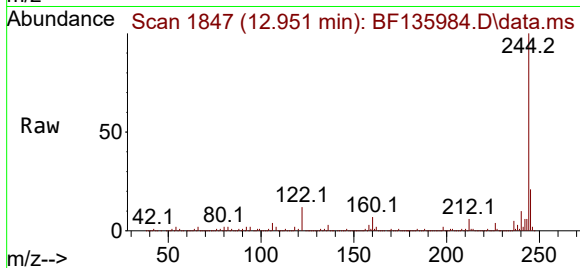
#79
 Terphenyl-d14
 Concen: 47.739 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF135984.D
 Acq: 27 Oct 2023 14:56

Instrument :

BNA_F

ClientSampleId :

VNJ-228RE

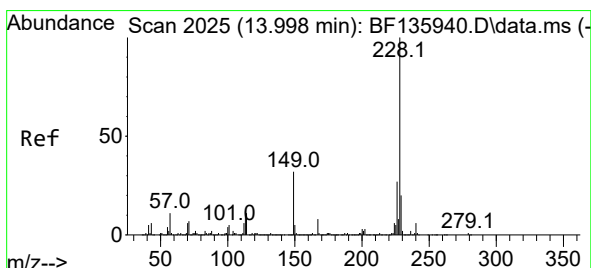
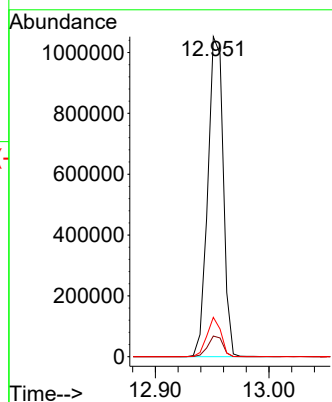
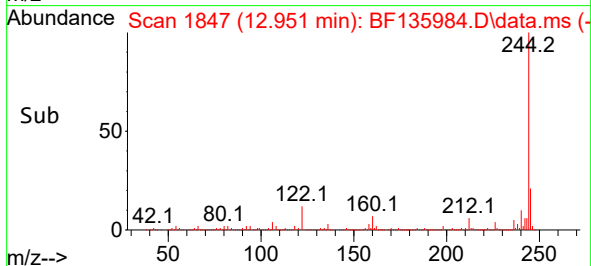


Tgt Ion:244 Resp: 98976
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.6
 122 12.3 8.0 12.0

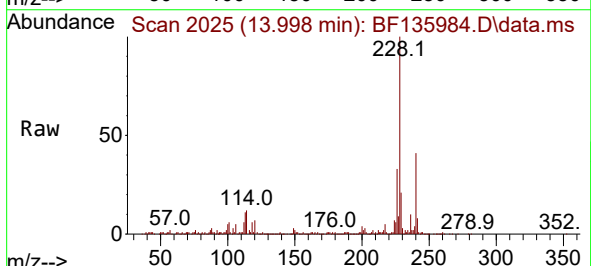
Manual Integrations

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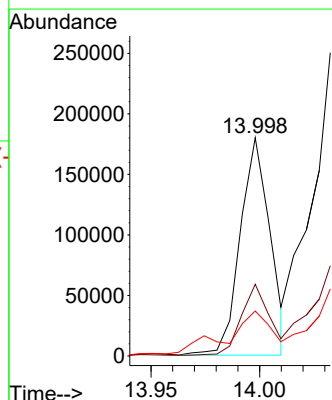
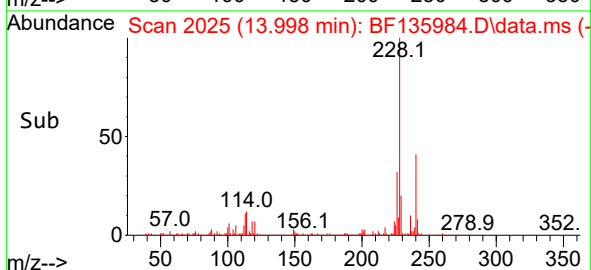
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

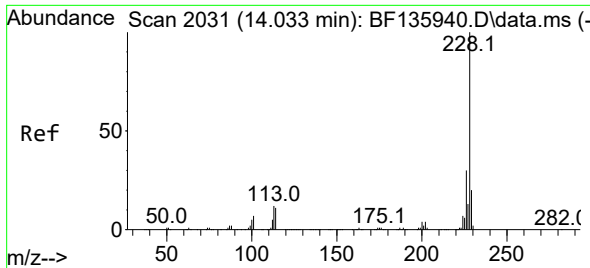


#81
 Benzo(a)anthracene
 Concen: 7.299 ng m
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF135984.D
 Acq: 27 Oct 2023 14:56



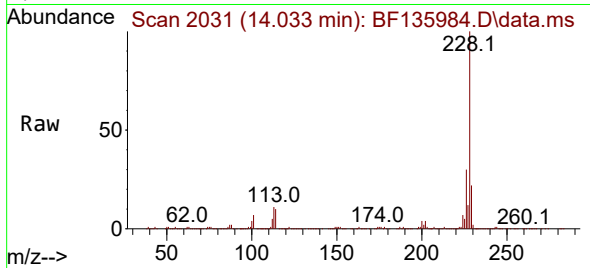
Tgt Ion:228 Resp: 171916
 Ion Ratio Lower Upper
 228 100
 226 32.9 21.8 32.6#
 229 20.6 16.2 24.4





#83
Chrysene
Concen: 11.945 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

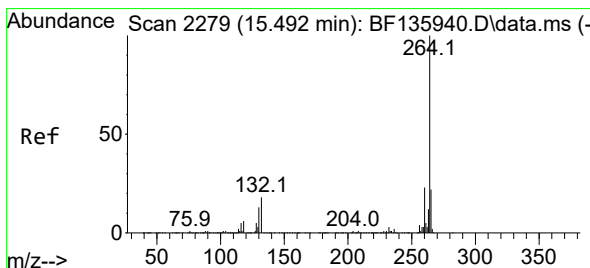
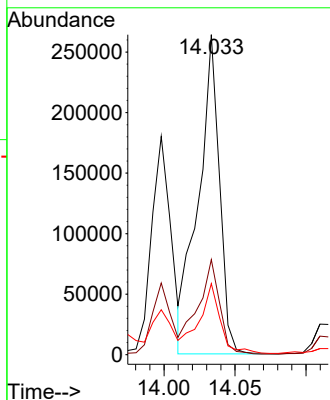
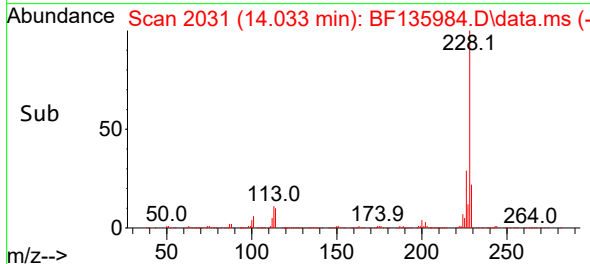
Instrument :
BNA_F
ClientSampleId :
VNJ-228RE



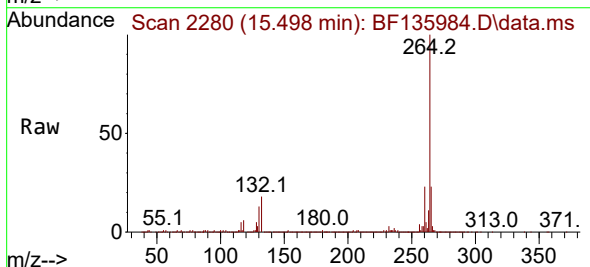
Tgt Ion:228 Resp: 27401
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.2 16.2 24.2

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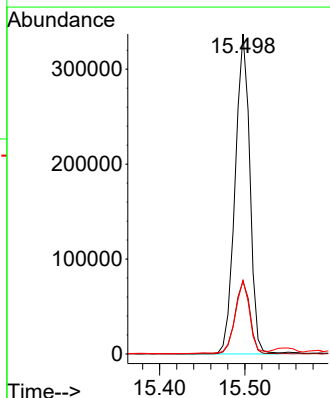
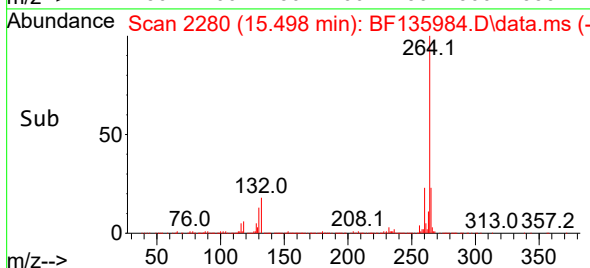
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

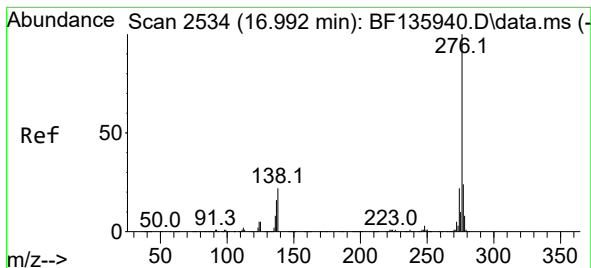


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56



Tgt Ion:264 Resp: 404198
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 23.0 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.106 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135984.D

Acq: 27 Oct 2023 14:56

Instrument :

BNA_F

ClientSampleId :

VNJ-228RE

Tgt Ion: 276 Resp: 7118

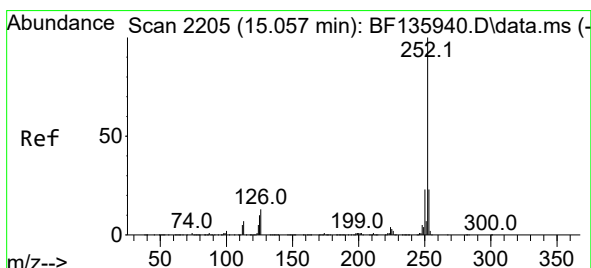
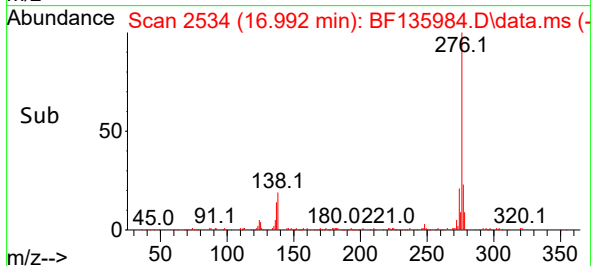
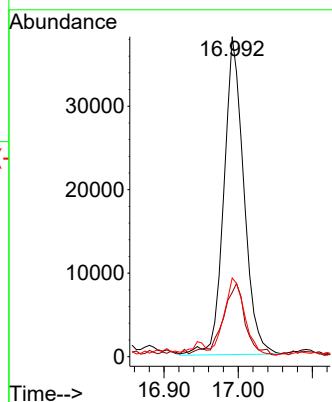
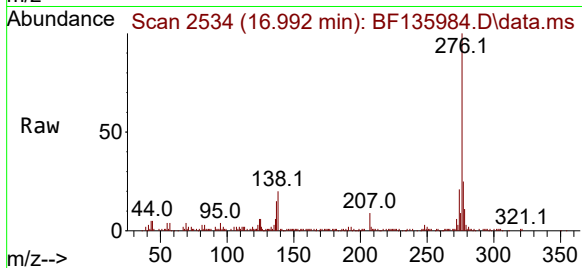
Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.8	32.6
277	24.8	20.0	30.0

Manual Integrations

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Reviewed By : Yogesh Patel 10/28/2023

Supervised By : mohammad ahmed 10/28/2023



#88

Benzo(b)fluoranthene

Concen: 18.223 ng m

RT: 15.057 min Scan# 2205

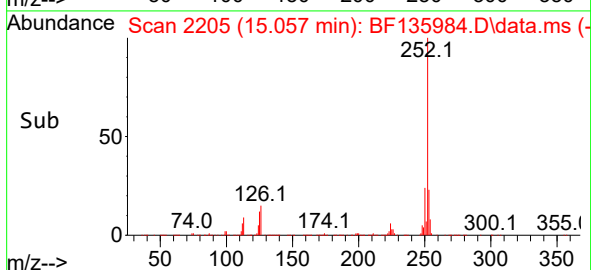
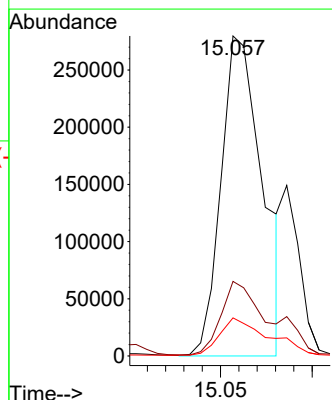
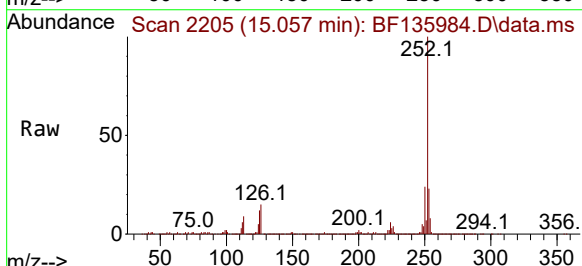
Delta R.T. 0.000 min

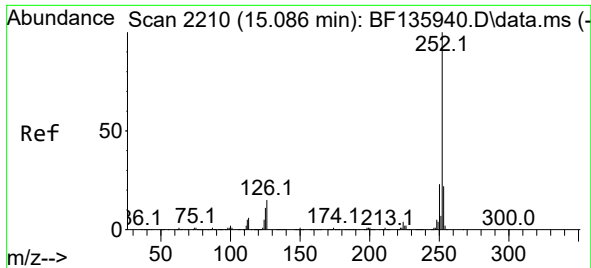
Lab File: BF135984.D

Acq: 27 Oct 2023 14:56

Tgt Ion: 252 Resp: 438354

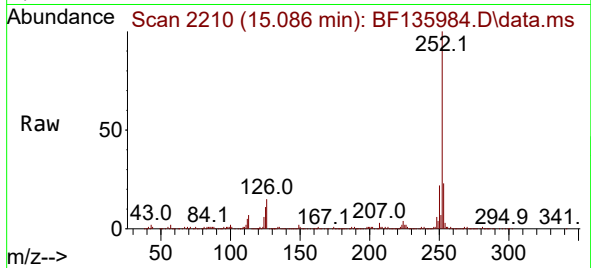
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.9	8.2	12.4





#89
Benzo(k)fluoranthene
Concen: 4.305 ng m
RT: 15.086 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

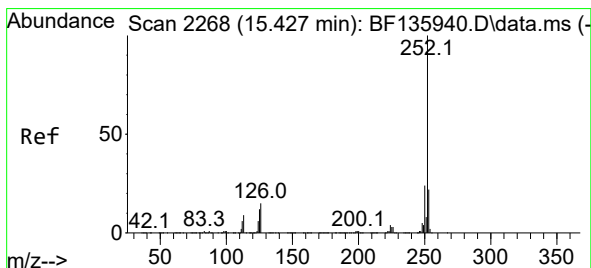
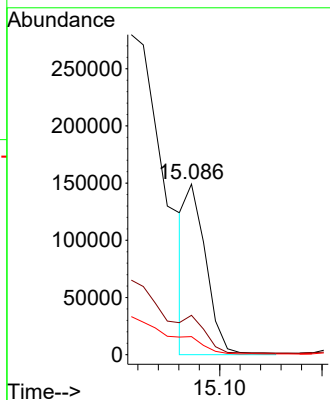
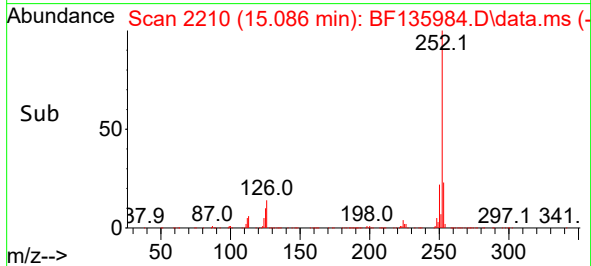
Instrument :
BNA_F
ClientSampleId :
VNJ-228RE



Tgt Ion:252 Resp: 10171
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.6 8.5 12.7

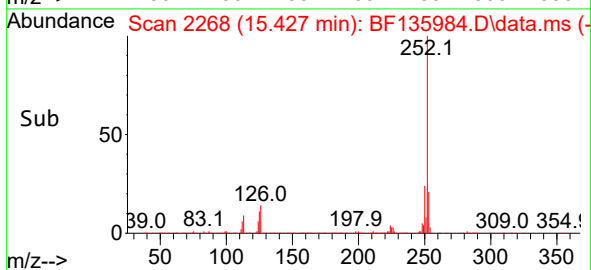
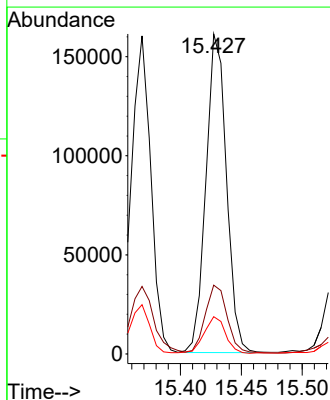
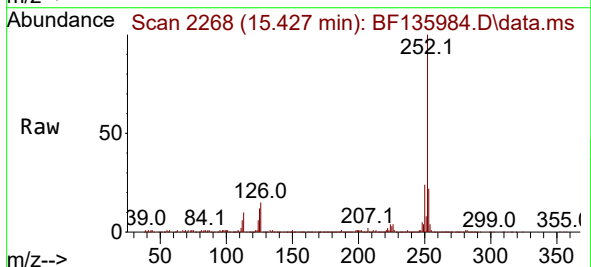
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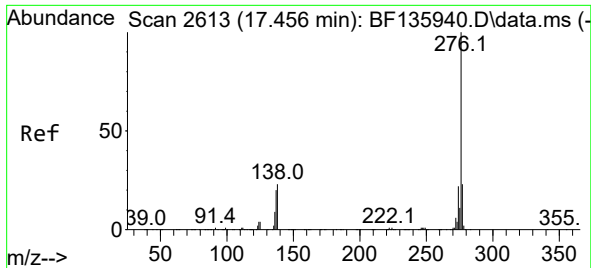
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#90
Benzo(a)pyrene
Concen: 8.484 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF135984.D
Acq: 27 Oct 2023 14:56

Tgt Ion:252 Resp: 188079
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 11.6 9.6 14.4





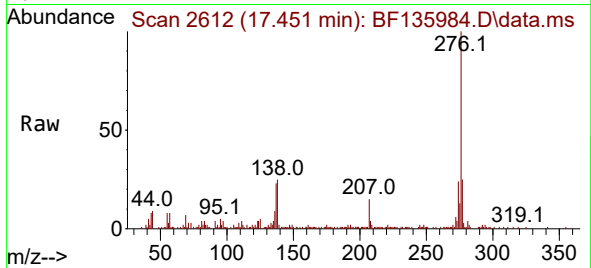
#92
 Benzo(g,h,i)perylene
 Concen: 6.010 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.005 min
 Lab File: BF135984.D
 Acq: 27 Oct 2023 14:56

Instrument :

BNA_F

ClientSampleId :

VNJ-228RE



Tgt Ion:276 Resp: 5445
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.6 28.0
 138 25.4 18.4 27.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023

