

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072324\
 Data File : BF138627.D
 Acq On : 23 Jul 2024 19:37
 Operator : RC/JU
 Sample : P3314-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ206RE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 24 01:15:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	75798	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	305464	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	154485	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	204842	20.000	ng	-0.02
76) Chrysene-d12	14.004	240	128328	20.000	ng	-0.02
86) Perylene-d12	15.468	264	109610	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	422992	88.382	ng	-0.01
7) Phenol-d6	6.487	99	583108	91.586	ng	-0.02
23) Nitrobenzene-d5	7.416	82	377799	60.724	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	111180	77.004	ng	-0.02
45) 2-Fluorobiphenyl	9.210	172	621963	62.923	ng	-0.02
79) Terphenyl-d14	12.951	244	418625	53.144	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	45145	4.362	ng	99
75) Fluoranthene	12.580	202	83898	7.945	ng	98
78) Pyrene	12.810	202	76199	5.849	ng	98
81) Benzo(a)anthracene	13.998	228	45716	5.309	ng	95
83) Chrysene	14.033	228	39333	4.829	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	15214	2.066	ng	98
88) Benzo(b)fluoranthene	15.045	252	49351m	7.995	ng	
89) Benzo(k)fluoranthene	15.057	252	19731m	3.277	ng	
90) Benzo(a)pyrene	15.404	252	29287	5.401	ng	97
92) Benzo(g,h,i)perylene	17.362	276	14662	2.296	ng #	92

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

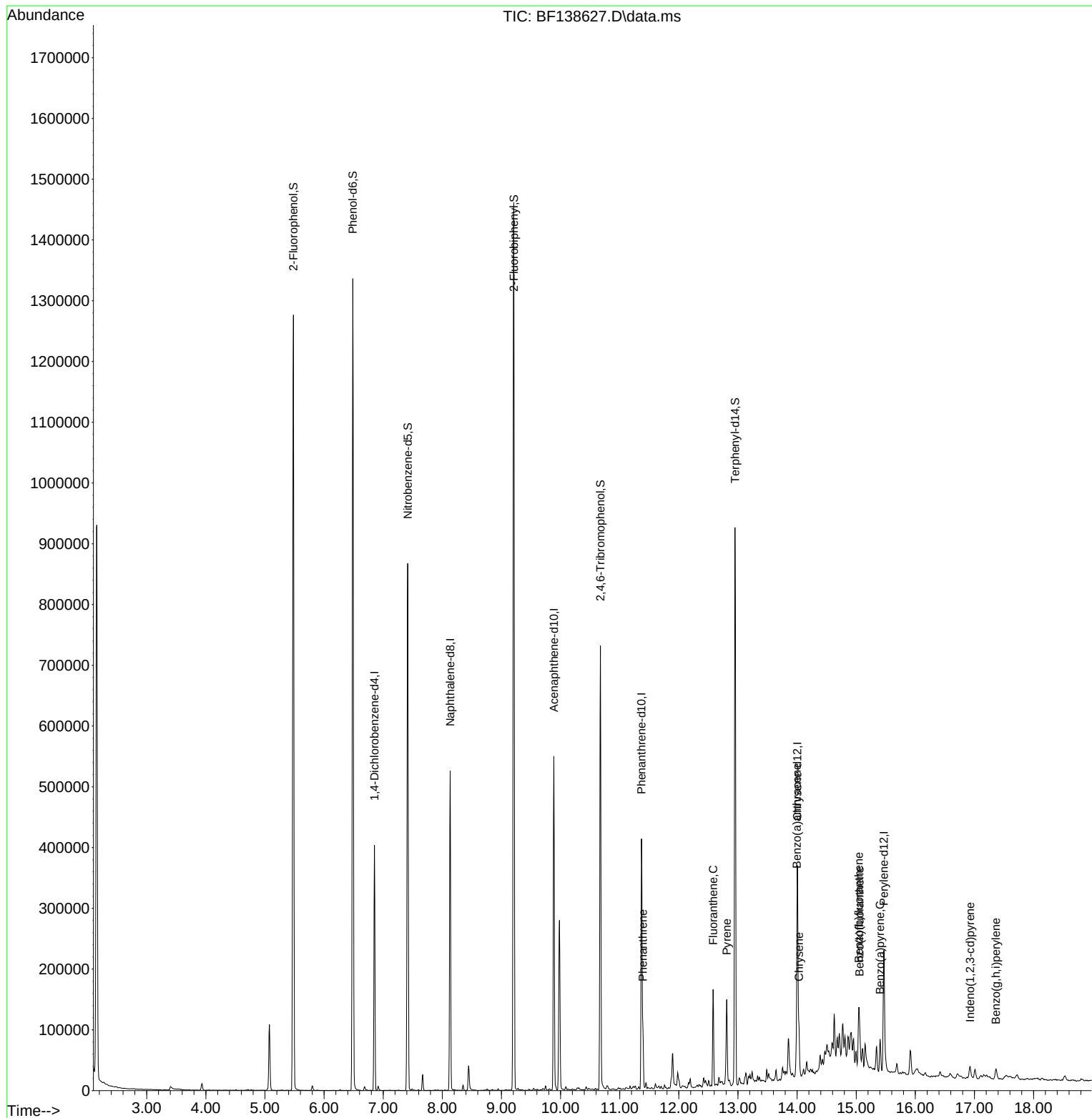
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072324\
Data File : BF138627.D
Acq On : 23 Jul 2024 19:37
Operator : RC/JU
Sample : P3314-01RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

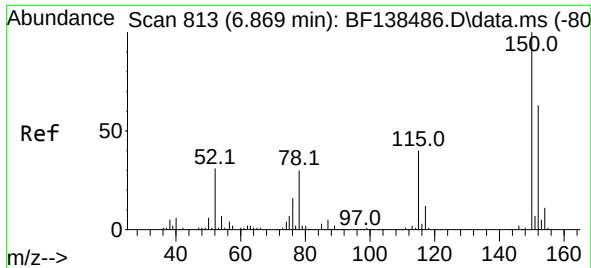
Instrument :
BNA_F
ClientSampleId :
VNJ206RE

Quant Time: Jul 24 01:15:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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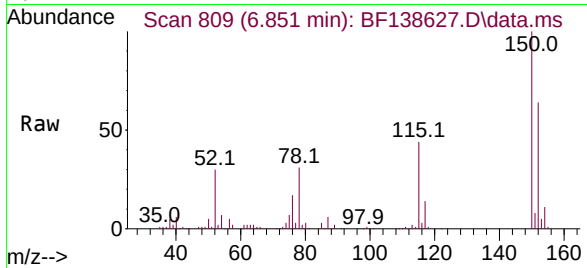
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

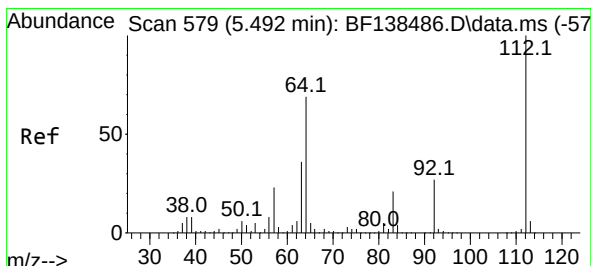
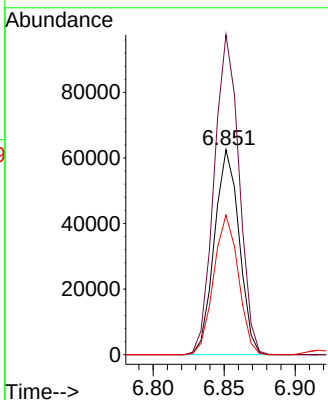
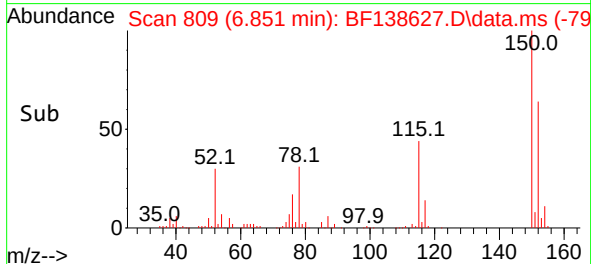
Instrument :
BNA_F
ClientSampleId :
VNJ206RE



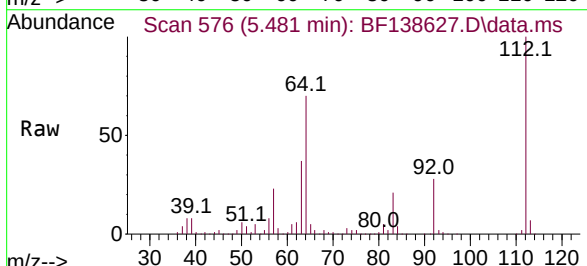
Tgt Ion:152 Resp: 75798
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.4
115 68.2 50.3 75.5

Manual Integrations
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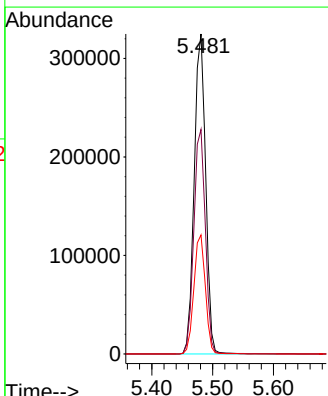
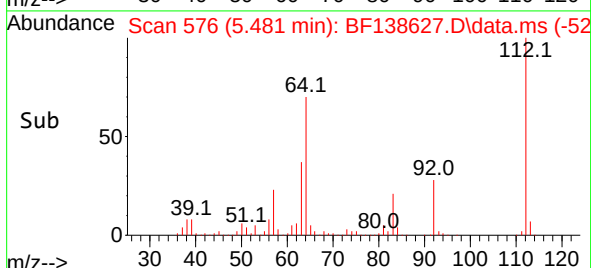
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024

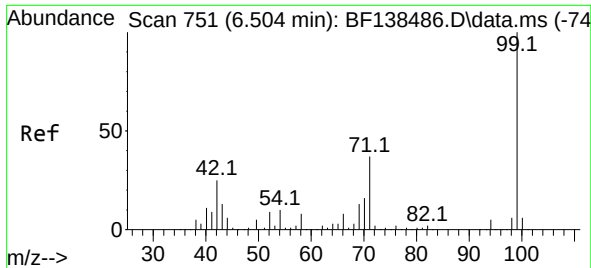


#5
2-Fluorophenol
Concen: 88.382 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37



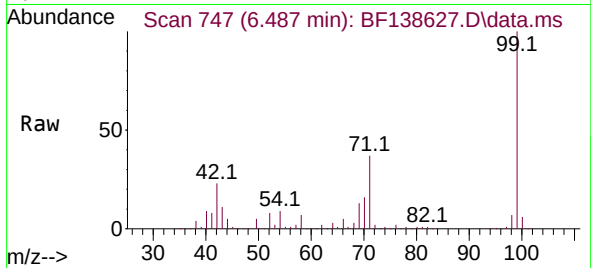
Tgt Ion:112 Resp: 422992
Ion Ratio Lower Upper
112 100
64 70.2 55.1 82.7
63 37.2 29.0 43.6





#7
Phenol-d6
Concen: 91.586 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

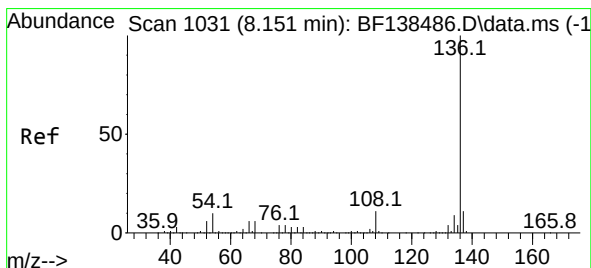
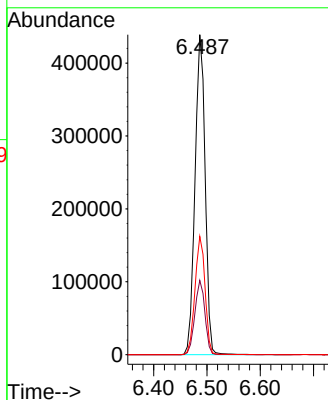
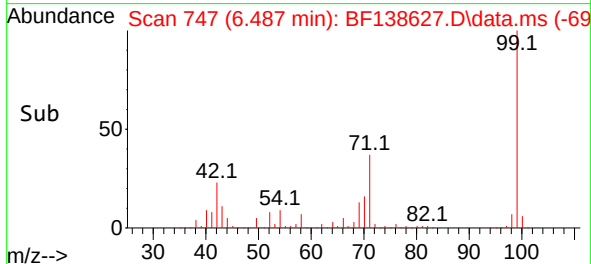
Instrument :
BNA_F
ClientSampleId :
VNJ206RE



Tgt Ion: 99 Resp: 583108
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 36.9 29.9 44.9

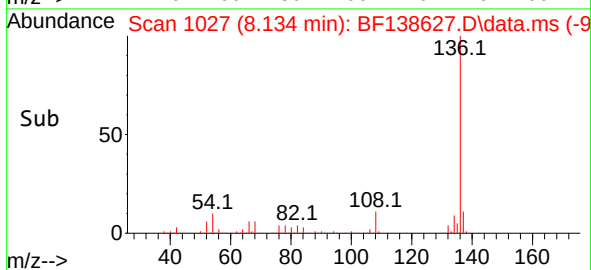
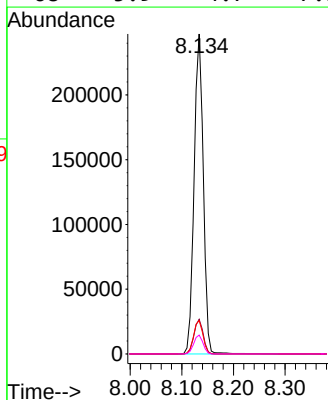
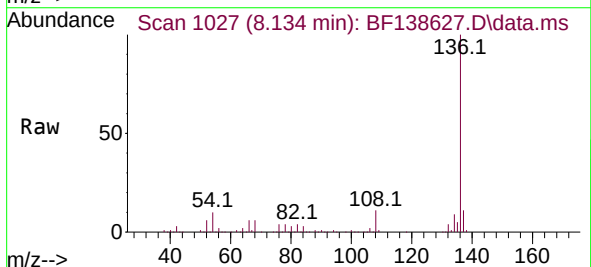
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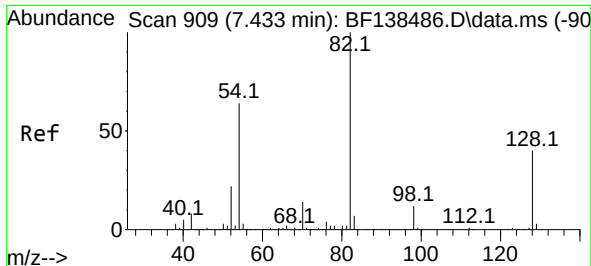
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion:136 Resp: 305464
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.5 8.1 12.1
68 5.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 60.724 ng

RT: 7.416 min Scan# 909

Delta R.T. -0.017 min

Lab File: BF138627.D

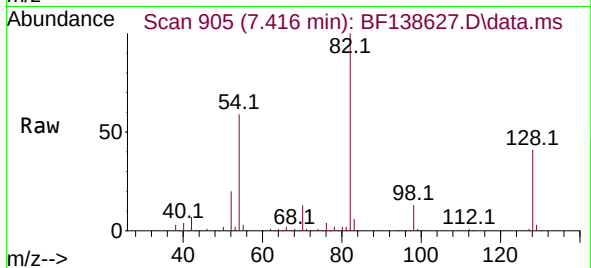
Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE



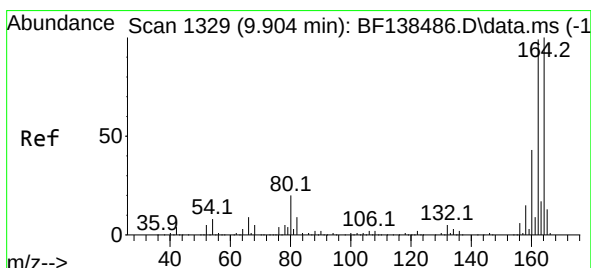
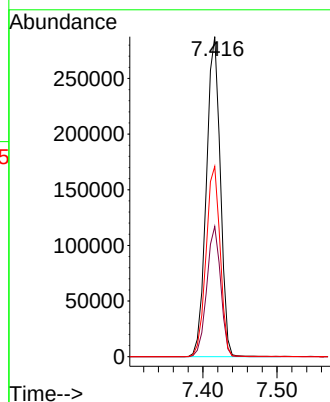
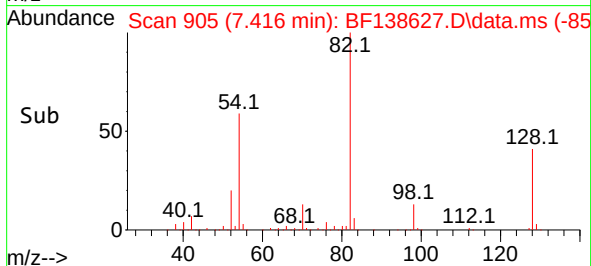
Tgt Ion: 82 Resp: 377795

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.3	48.5
54	59.4	51.4	77.0

Manual Integrations

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Supervised By :mohammad ahmed 07/30/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1325

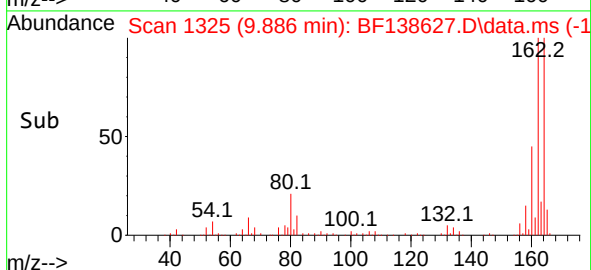
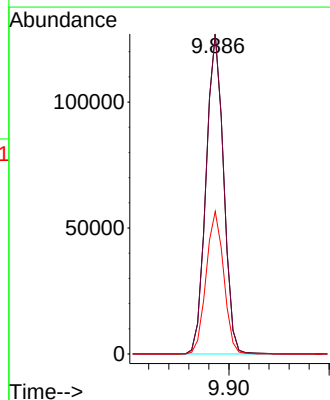
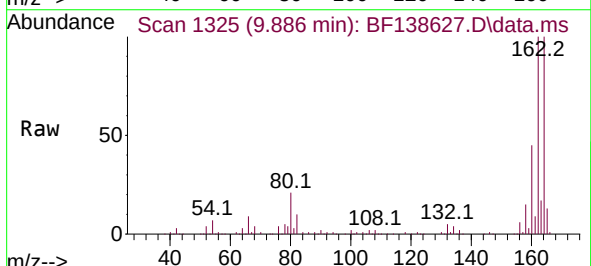
Delta R.T. -0.017 min

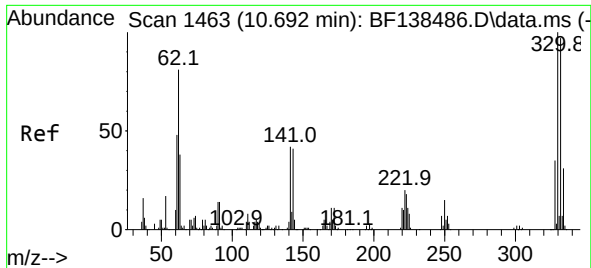
Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Tgt Ion:164 Resp: 154485

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.0	118.6
160	44.5	34.4	51.6





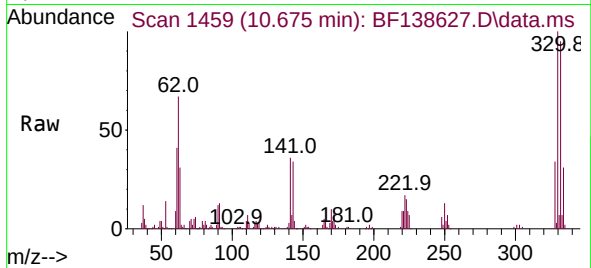
#42
2,4,6-Tribromophenol
Concen: 77.004 ng
RT: 10.675 min Scan# 1463
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

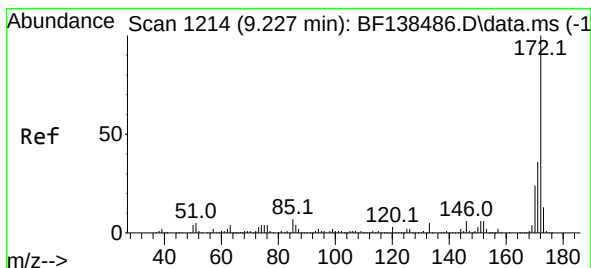
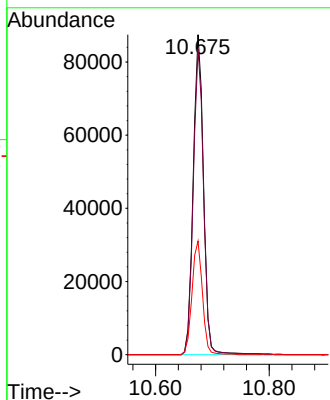
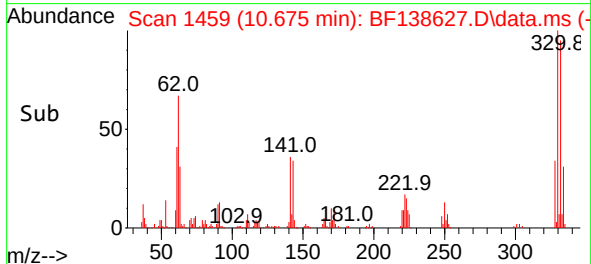


Tgt Ion:330 Resp: 111180
Ion Ratio Lower Upper
330 100
332 95.2 76.8 115.2
141 35.8 29.4 44.2

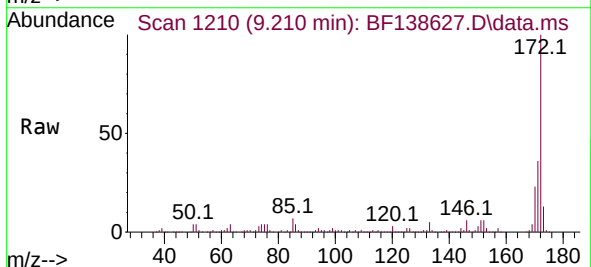
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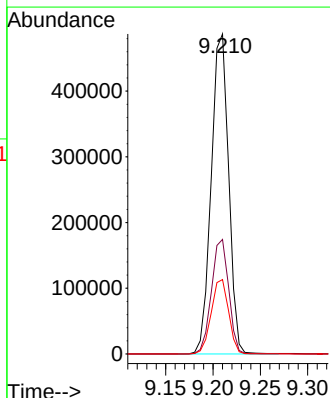
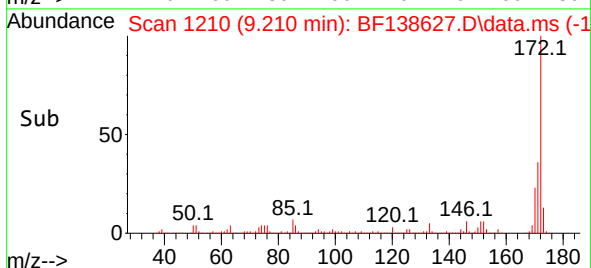
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024

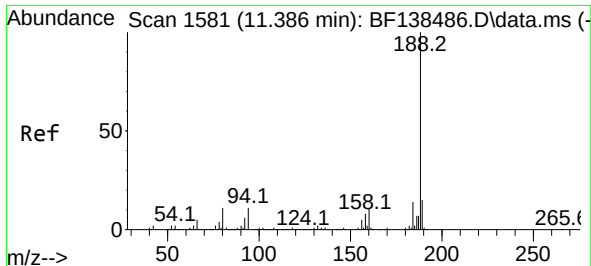


#45
2-Fluorobiphenyl
Concen: 62.923 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37



Tgt Ion:172 Resp: 621963
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.2 18.9 28.3





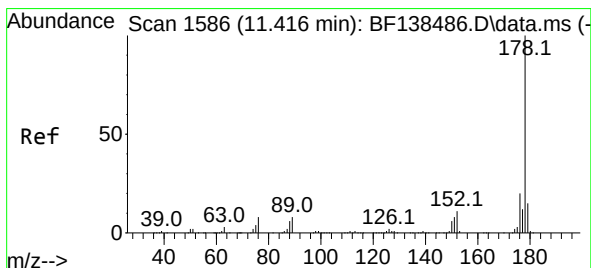
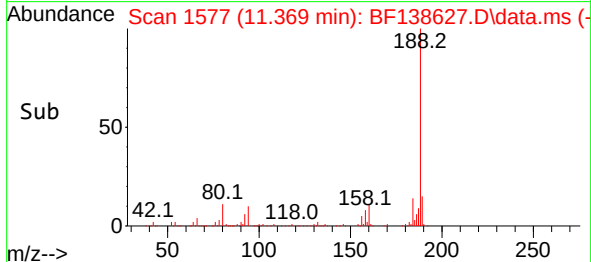
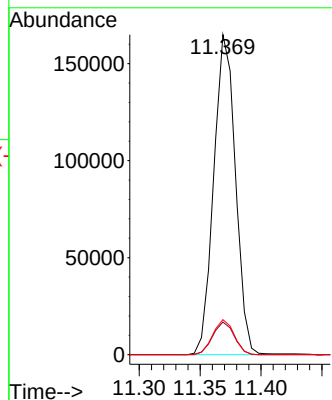
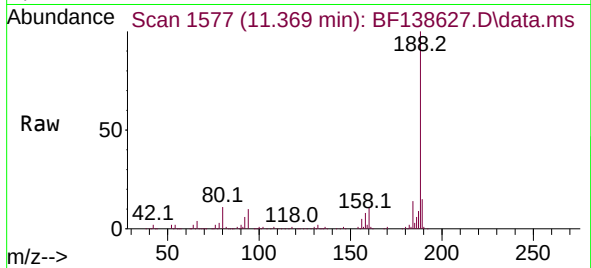
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11369
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Instrument :
BNA_F
ClientSampleId :
VNJ206RE

Tgt Ion:188 Resp: 20484
Ion Ratio Lower Upper
188 100
94 10.2 8.7 13.1
80 11.0 9.0 13.4

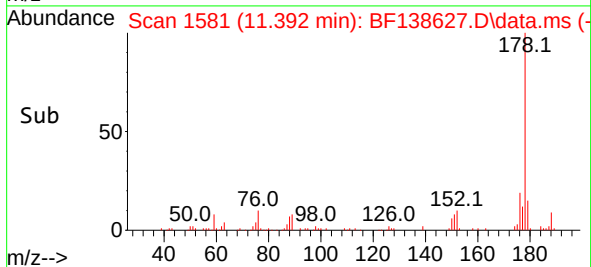
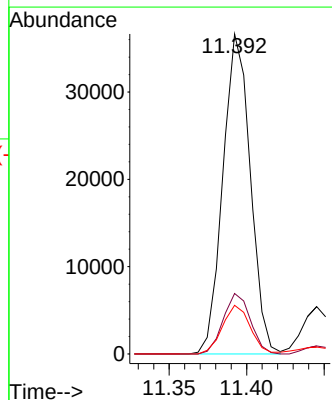
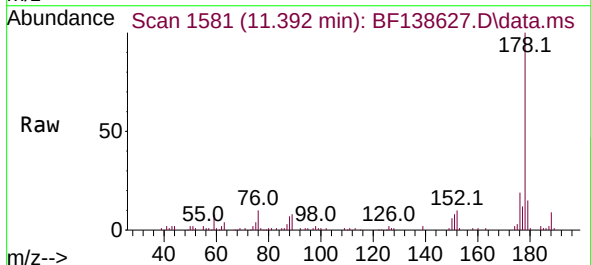
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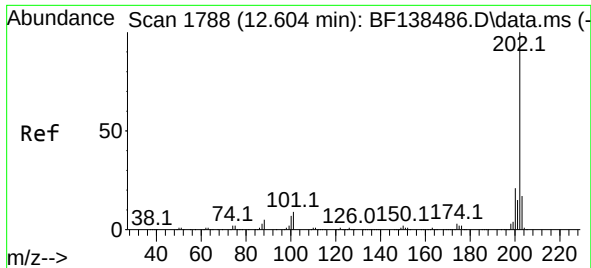
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#71
Phenanthrene
Concen: 4.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

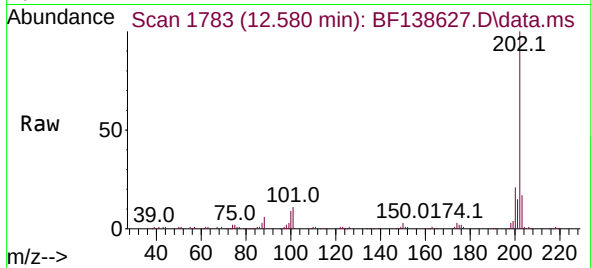
Tgt Ion:178 Resp: 45145
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.2 12.2 18.2





#75
Fluoranthene
Concen: 7.945 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

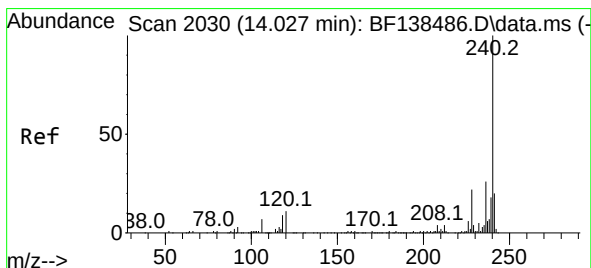
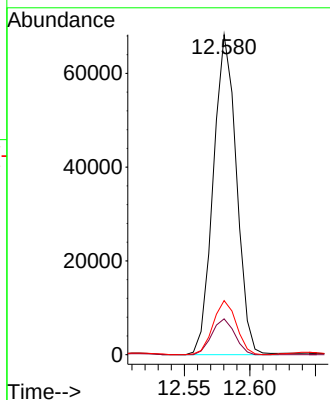
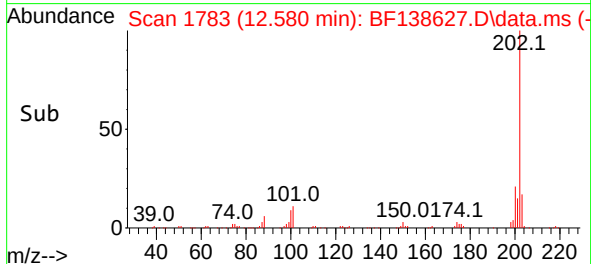
Instrument :
BNA_F
ClientSampleId :
VNJ206RE



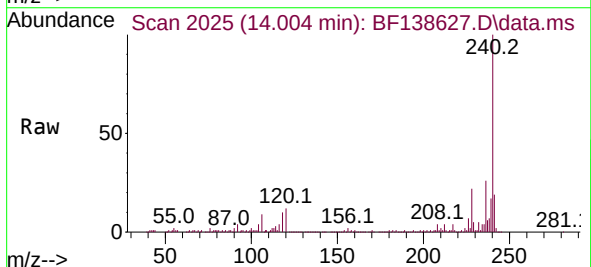
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Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.2
203 16.9 0.0 37.3

Manual Integrations
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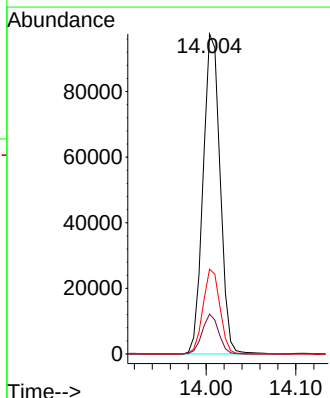
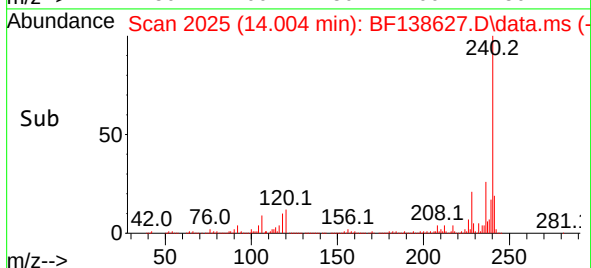
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024

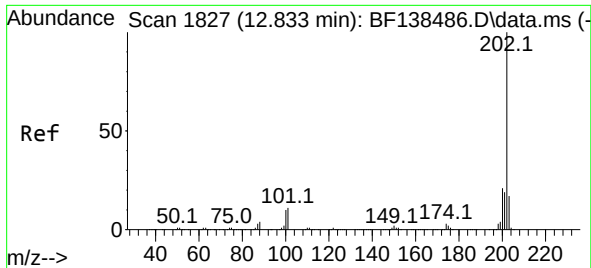


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.023 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37



Tgt Ion:240 Resp: 128328
Ion Ratio Lower Upper
240 100
120 12.4 8.6 12.8
236 26.5 21.0 31.6





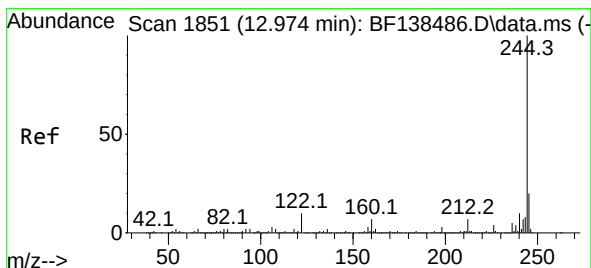
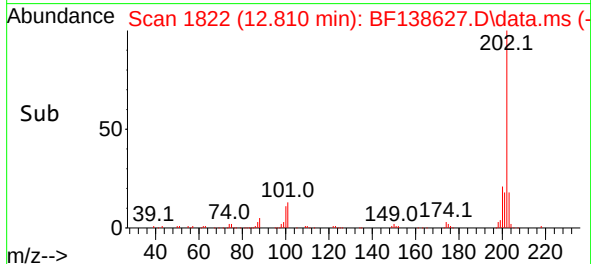
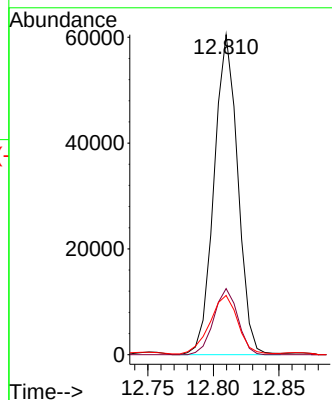
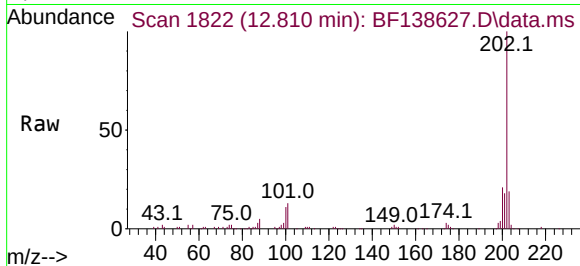
#78
 Pyrene
 Concen: 5.849 ng
 RT: 12.810 min Scan# 1822
 Delta R.T. -0.023 min
 Lab File: BF138627.D
 Acq: 23 Jul 2024 19:37

Instrument :
 BNA_F
 ClientSampleId :
 VNJ206RE

Tgt Ion:202 Resp: 76199
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.6
 203 18.5 13.7 20.5

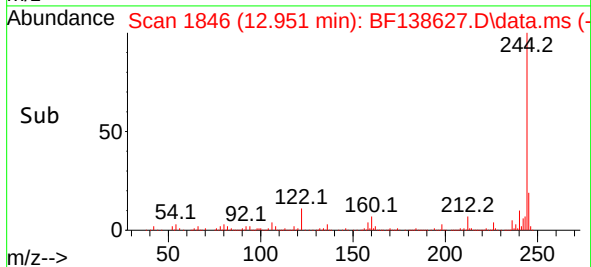
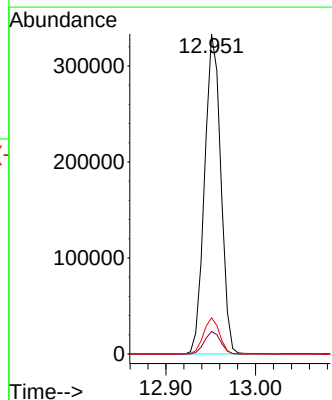
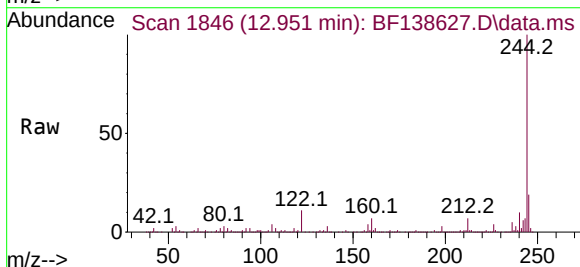
Manual Integrations
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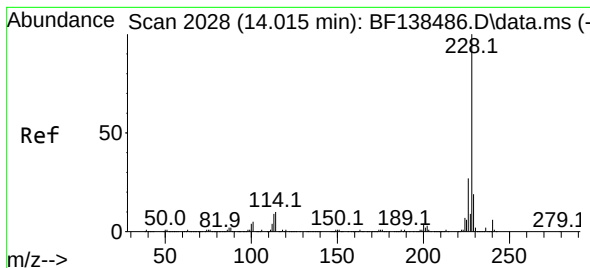
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/30/2024



#79
 Terphenyl-d14
 Concen: 53.144 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. -0.023 min
 Lab File: BF138627.D
 Acq: 23 Jul 2024 19:37

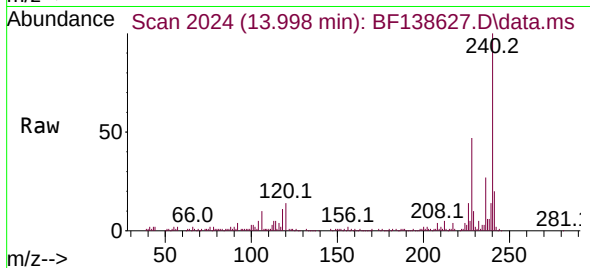
Tgt Ion:244 Resp: 418625
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 11.3 7.8 11.8





#81
Benzo(a)anthracene
Concen: 5.309 ng
RT: 13.998 min Scan# 2028
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

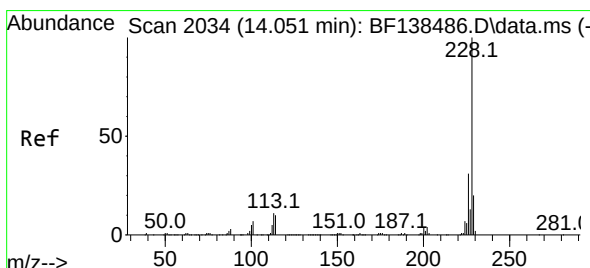
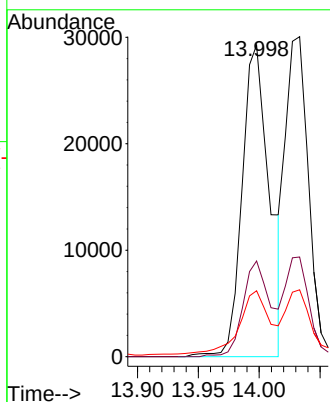
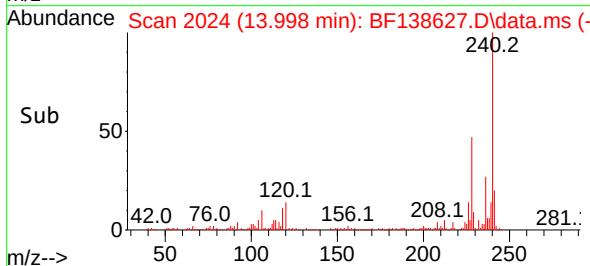
Instrument :
BNA_F
ClientSampleId :
VNJ206RE



Tgt Ion:228 Resp: 45710
Ion Ratio Lower Upper
228 100
226 30.7 21.9 32.9
229 21.2 15.5 23.3

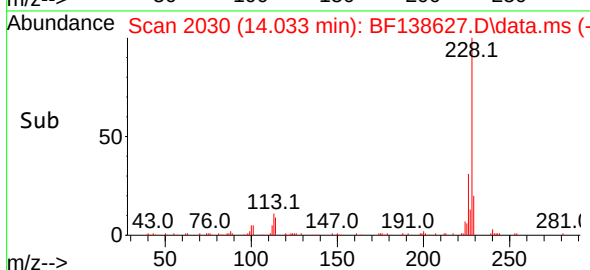
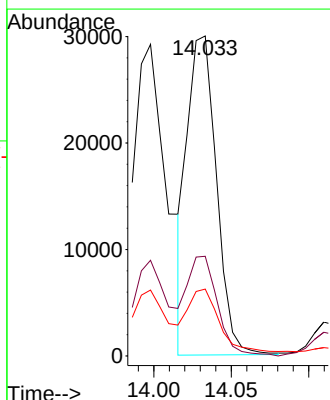
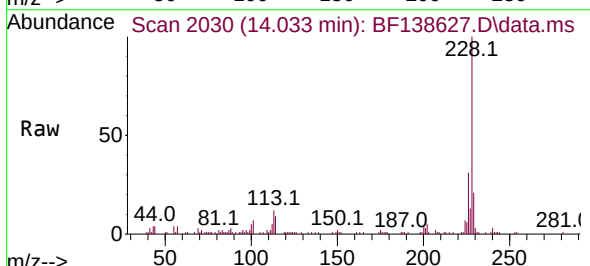
Manual Integrations
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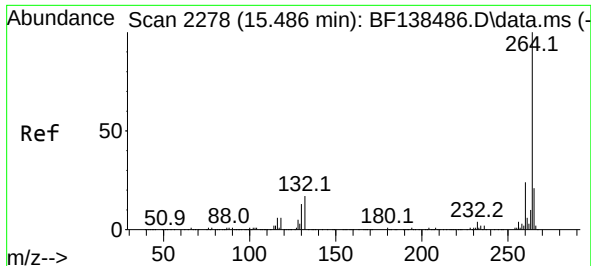
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#83
Chrysene
Concen: 4.829 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

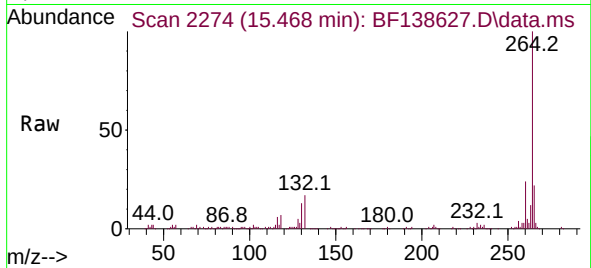
Tgt Ion:228 Resp: 39333
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 20.9 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

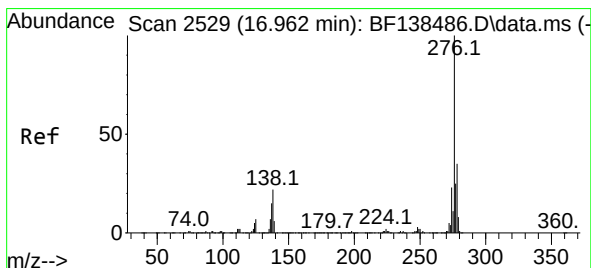
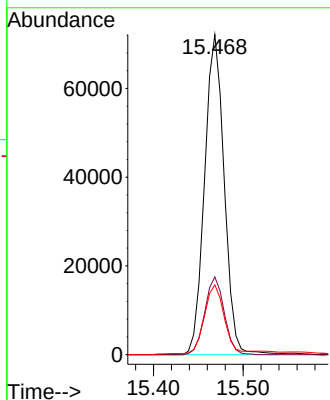
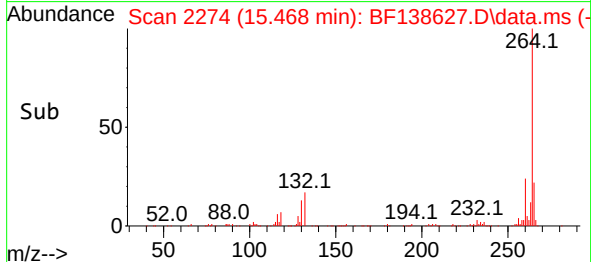
Instrument :
BNA_F
ClientSampleId :
VNJ206RE



Tgt Ion:264 Resp: 109610
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 21.8 17.0 25.4

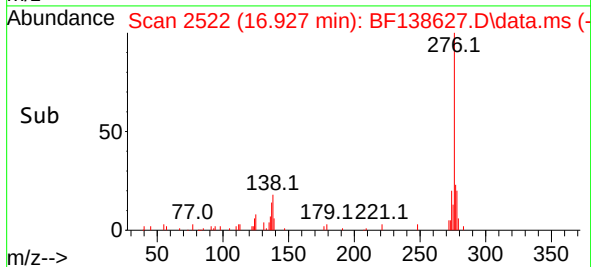
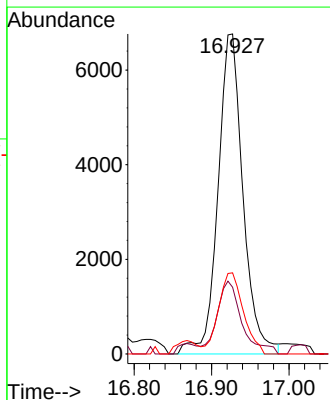
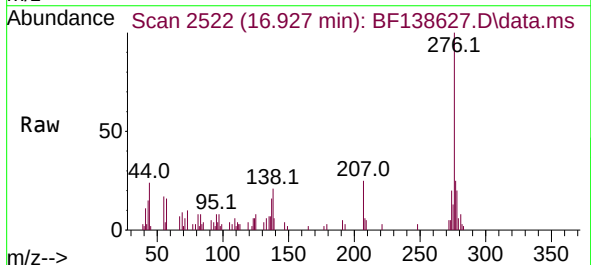
Manual Integrations
APPROVED

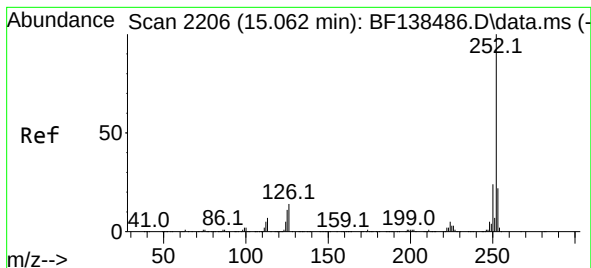
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.066 ng
RT: 16.927 min Scan# 2522
Delta R.T. -0.035 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion:276 Resp: 15214
Ion Ratio Lower Upper
276 100
138 22.5 19.6 29.4
277 25.2 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 7.995 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

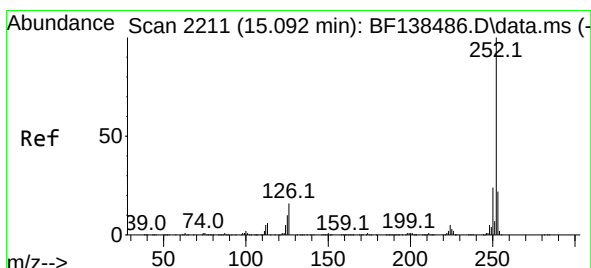
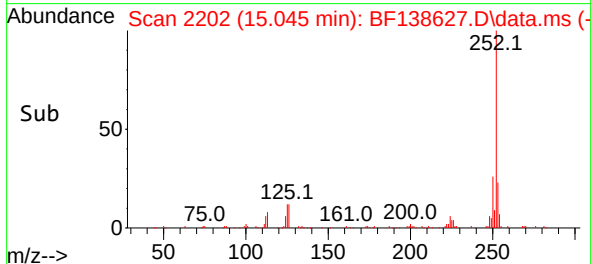
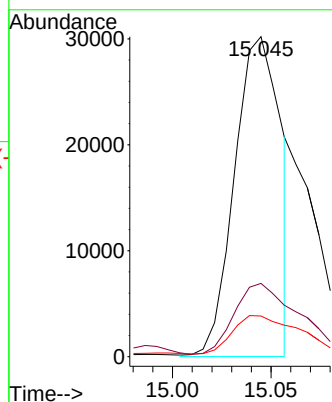
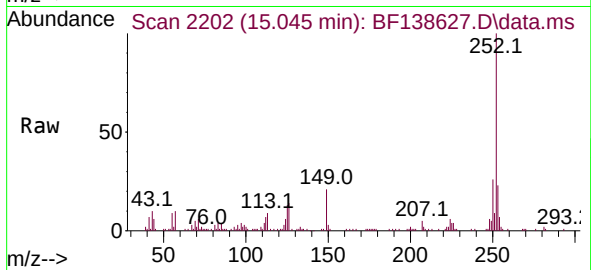
VNJ206RE

Tgt Ion:252 Resp: 4935
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.3 25.9
 125 12.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/30/2024



#89

Benzo(k)fluoranthene

Concen: 3.277 ng m

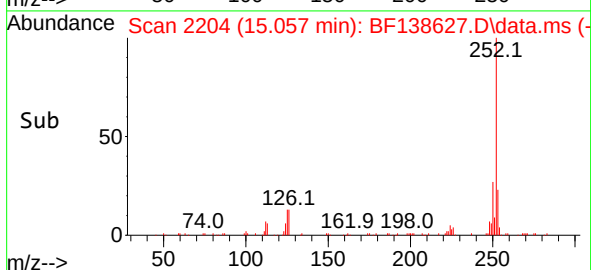
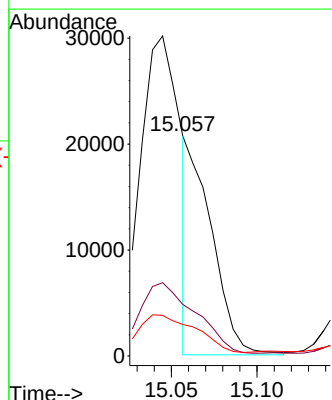
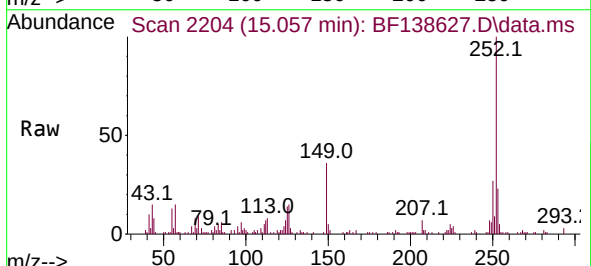
RT: 15.057 min Scan# 2204

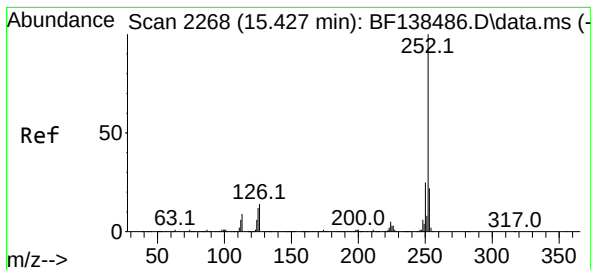
Delta R.T. -0.035 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Tgt Ion:252 Resp: 19731
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 14.3 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 5.401 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

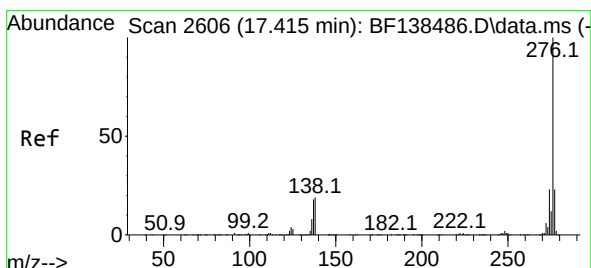
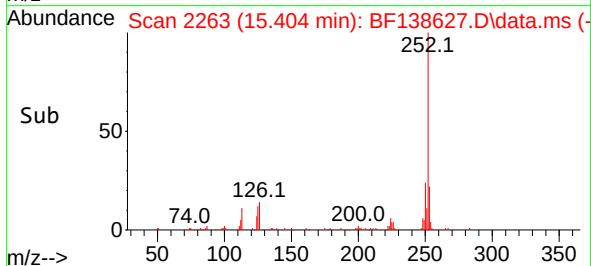
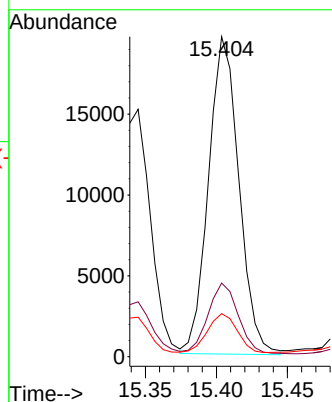
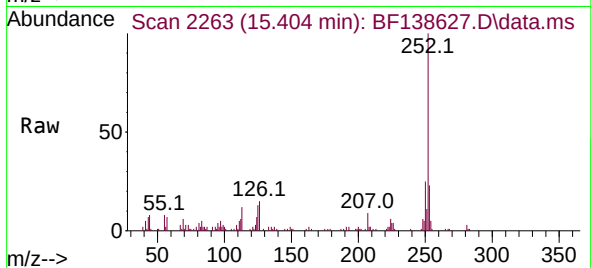
VNJ206RE

Tgt Ion:	252	Resp:	2928
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	13.4	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#92

Benzo(g,h,i)perylene

Concen: 2.296 ng

RT: 17.362 min Scan# 2596

Delta R.T. -0.053 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Tgt Ion:	276	Resp:	14662
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.0	27.0
138	25.2	15.5	23.3

