

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134812.D
 Acq On : 16 Aug 2023 16:59
 Operator : CG\JU
 Sample : 04019-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081523

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023

Quant Time: Aug 17 01:34:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	176719	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	673163	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	285825	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	428671	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	311045	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	231576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1070674	92.097	ng	0.00
7) Phenol-d6	6.439	99	1316744	88.604	ng	0.00
23) Nitrobenzene-d5	7.363	82	798955	74.171	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	280442	96.249	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1385244	80.582	ng	0.00
79) Terphenyl-d14	12.921	244	1324440	75.063	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	160827	7.063	ng	100
75) Fluoranthene	12.539	202	314907	13.093	ng	96
78) Pyrene	12.768	202	258641	9.609	ng	97
81) Benzo(a)anthracene	13.962	228	106910	4.807	ng	99
83) Chrysene	13.998	228	88564	4.087	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	39806	2.923	ng	96
88) Benzo(b)fluoranthene	15.015	252	95321m	6.749	ng	
89) Benzo(k)fluoranthene	15.039	252	31919m	2.269	ng	
90) Benzo(a)pyrene	15.380	252	61763	4.690	ng	# 92
92) Benzo(g,h,i)perylene	17.392	276	40085	3.570	ng	# 92

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

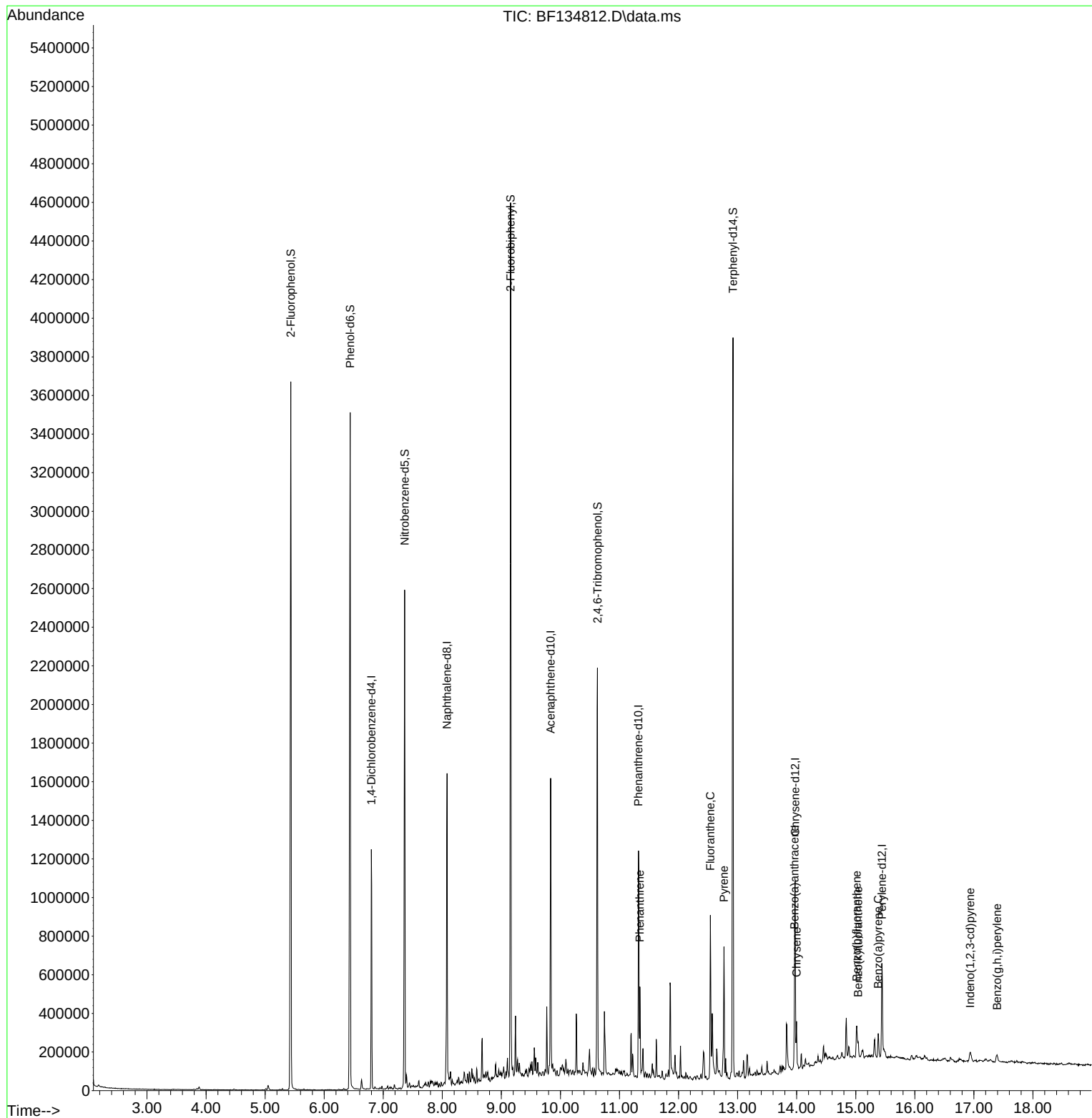
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
Data File : BF134812.D
Acq On : 16 Aug 2023 16:59
Operator : CG\JU
Sample : 04019-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

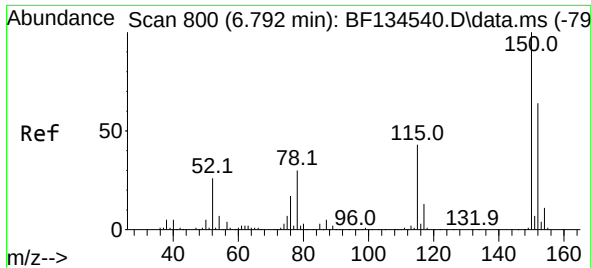
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

Quant Time: Aug 17 01:34:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

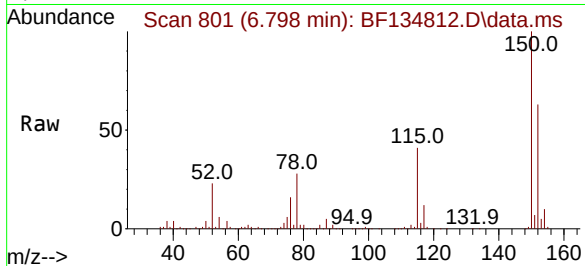
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

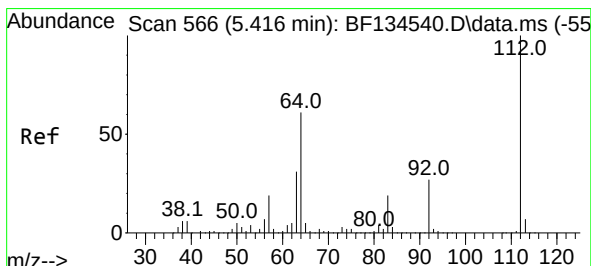
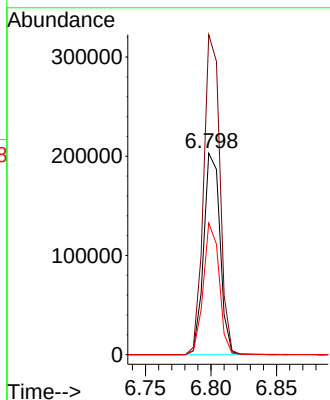
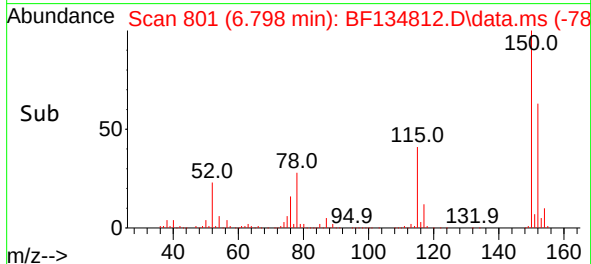
Instrument :
BNA_F
ClientSampleId :
EO-02-081523



Tgt Ion:152 Resp: 176719
Ion Ratio Lower Upper
152 100
150 158.8 128.3 192.5
115 65.3 52.4 78.6

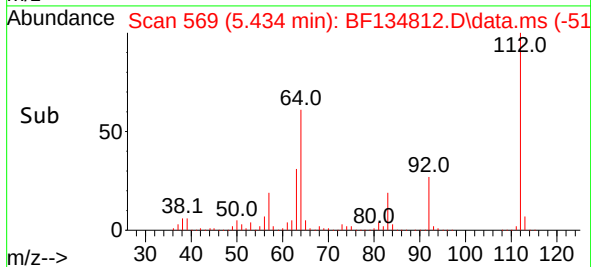
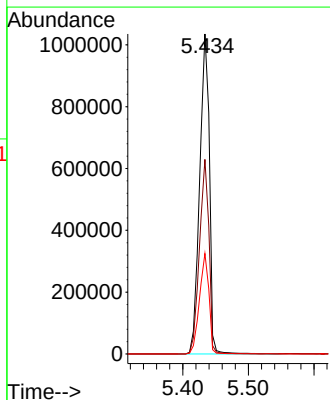
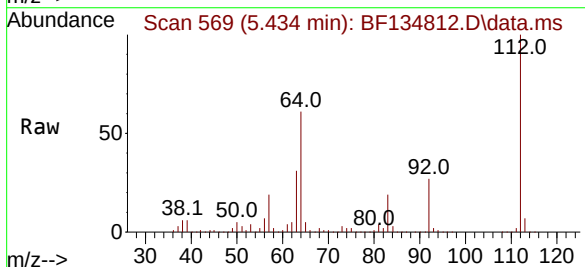
Manual Integrations
APPROVED

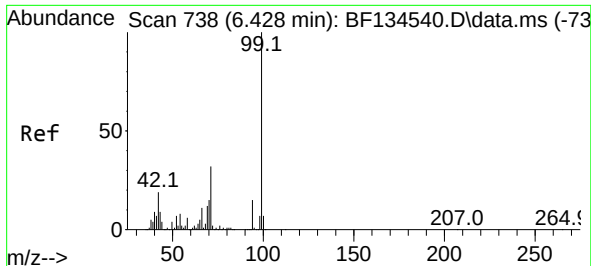
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#5
2-Fluorophenol
Concen: 92.097 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

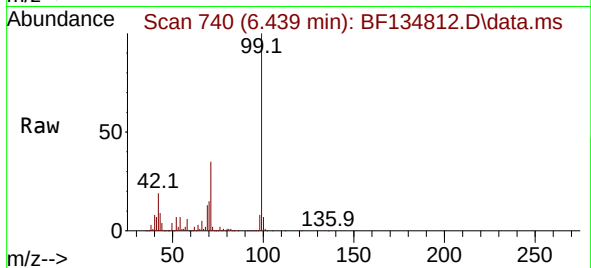
Tgt Ion:112 Resp: 1070674
Ion Ratio Lower Upper
112 100
64 60.8 44.9 67.3
63 31.4 25.4 38.0





#7
Phenol-d6
Concen: 88.604 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

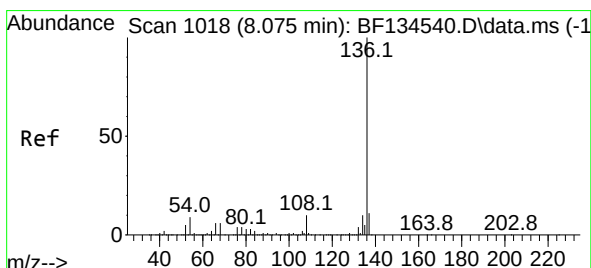
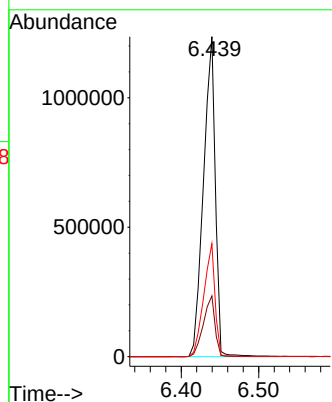
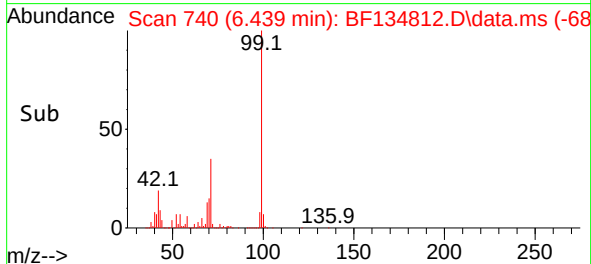
Instrument :
BNA_F
ClientSampleId :
EO-02-081523



Tgt Ion: 99 Resp: 1316744
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 35.3 36.4 54.6

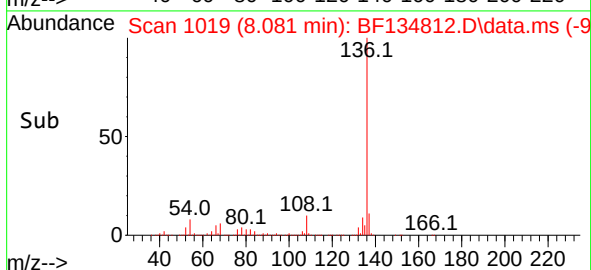
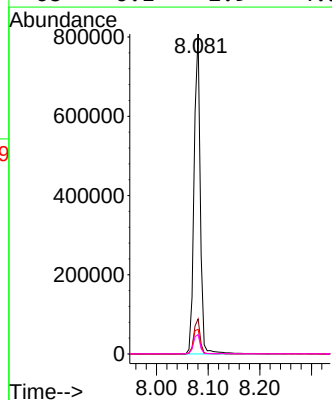
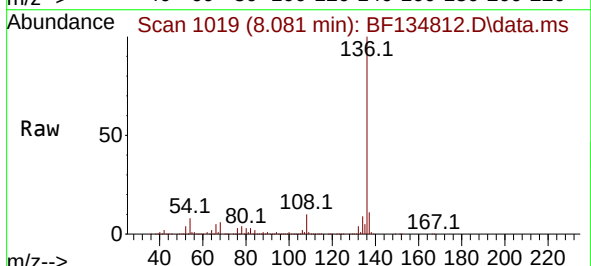
Manual Integrations
APPROVED

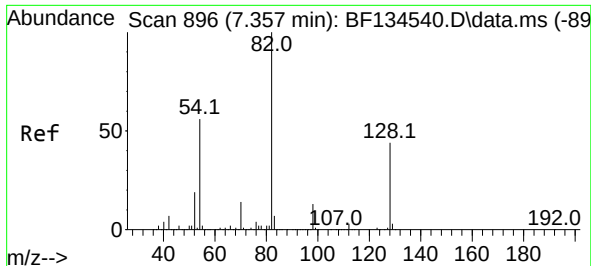
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:136 Resp: 673163
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.7 5.2 7.8
68 6.1 2.9 4.3





#23

Nitrobenzene-d5

Concen: 74.171 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF134812.D

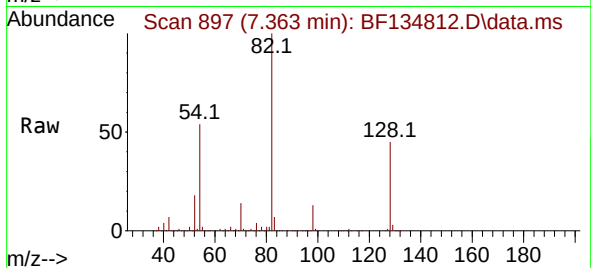
Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523



Tgt Ion: 82 Resp: 79895

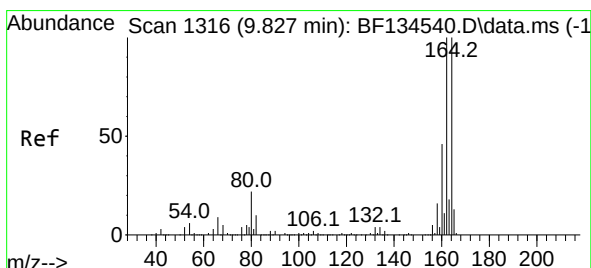
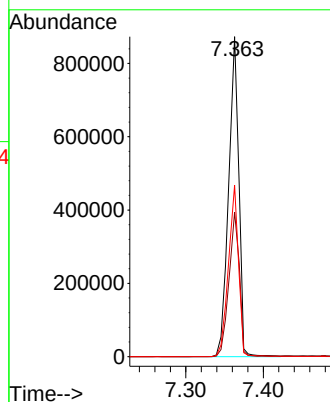
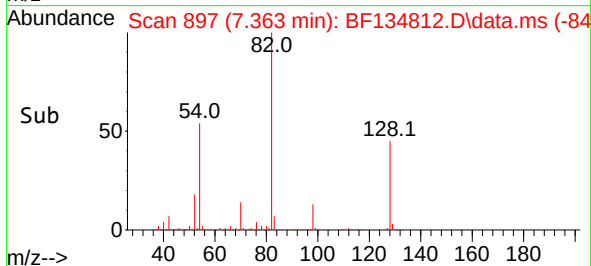
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.3	51.5
54	53.6	43.8	65.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

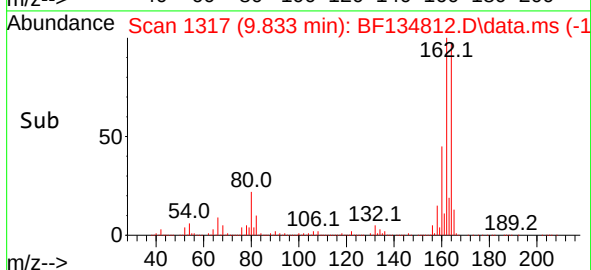
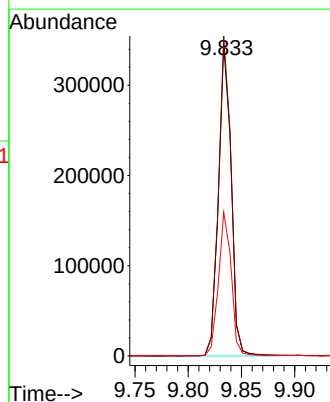
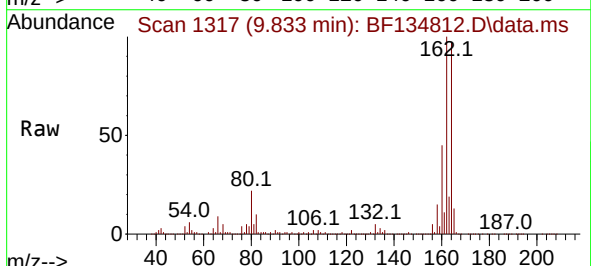
Delta R.T. -0.000 min

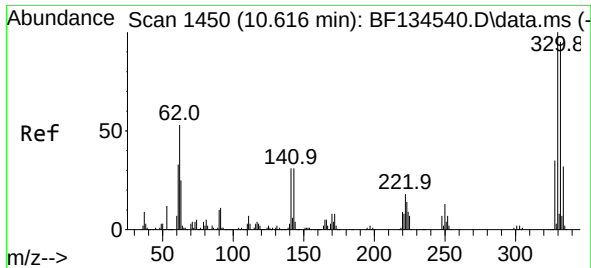
Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Tgt Ion:164 Resp: 285825

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	46.1	37.2	55.8





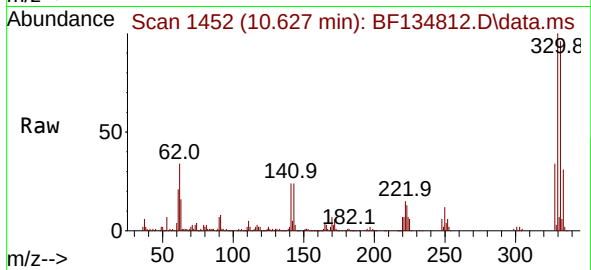
#42
2,4,6-Tribromophenol
Concen: 96.249 ng
RT: 10.627 min Scan# 1450
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523



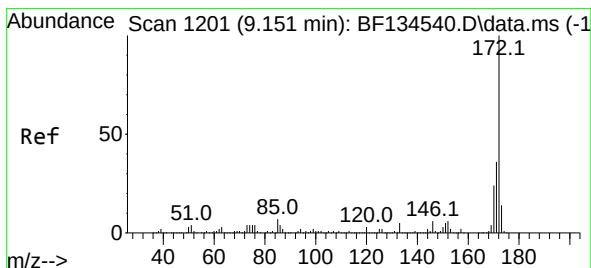
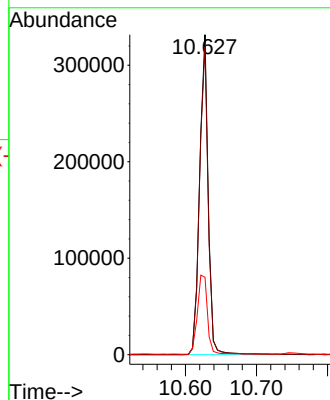
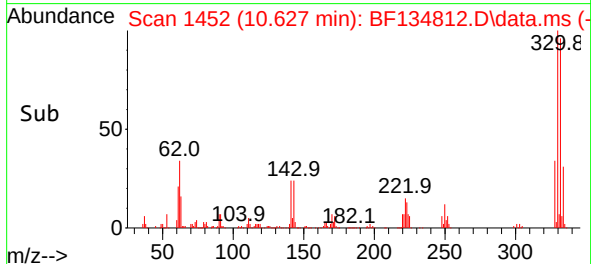
Tgt Ion:330 Resp: 28044
Ion Ratio Lower Upper
330 100
332 97.2 78.8 118.2
141 28.8 25.4 38.2

Manual Integrations

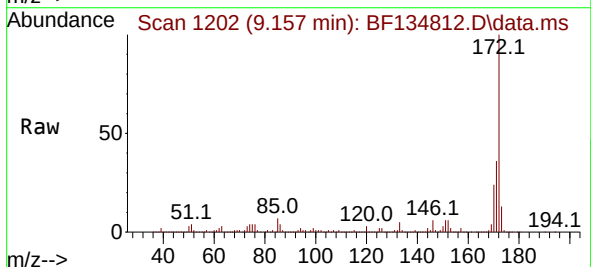
APPROVED

Reviewed By :Yogesh Patel 08/17/2023

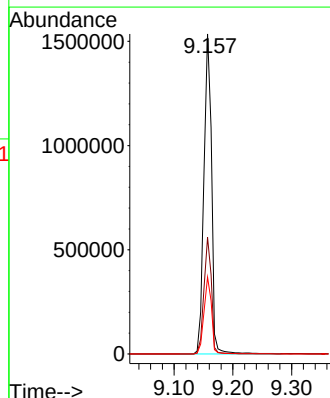
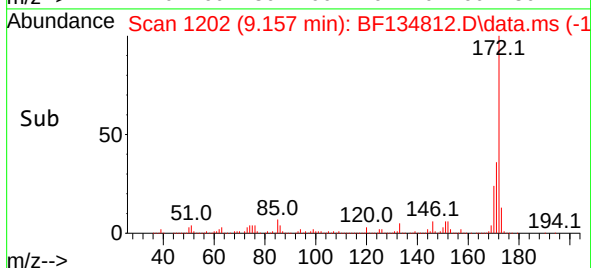
Supervised By :mohammad ahmed 08/17/2023

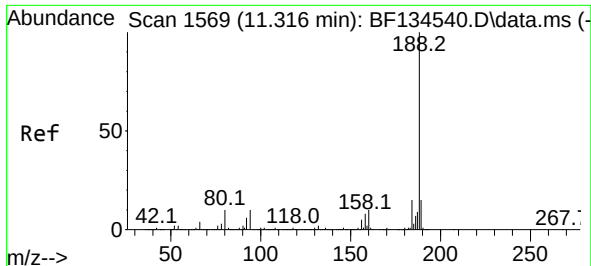


#45
2-Fluorobiphenyl
Concen: 80.582 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59



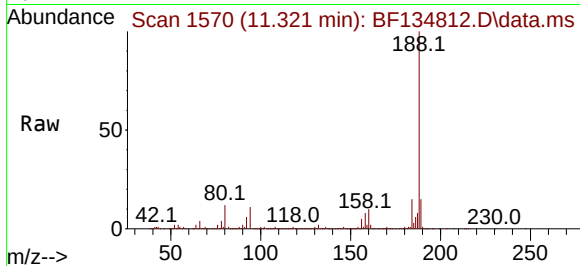
Tgt Ion:172 Resp: 1385244
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

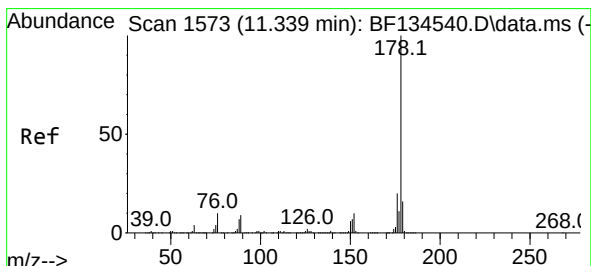
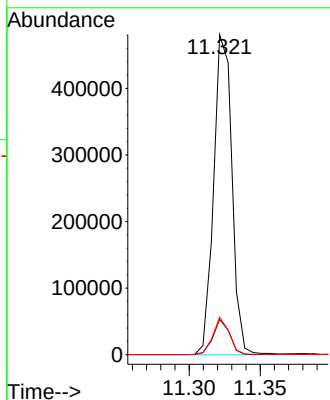
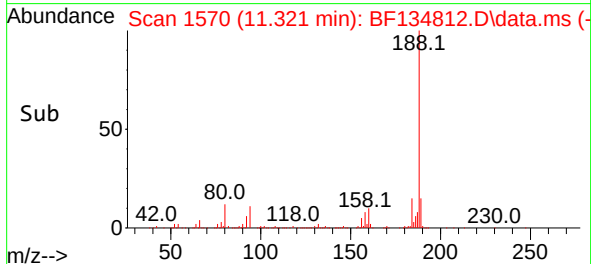
Instrument :
BNA_F
ClientSampleId :
EO-02-081523



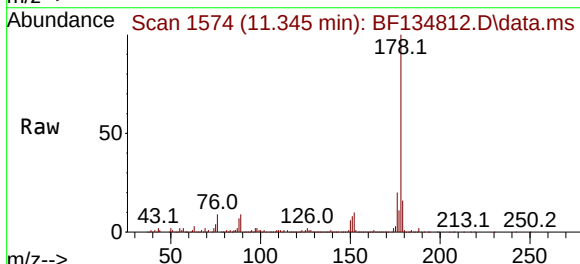
Tgt Ion:188 Resp: 42867
Ion Ratio Lower Upper
188 100
94 11.0 5.1 7.7
80 11.7 6.6 9.8

Manual Integrations
APPROVED

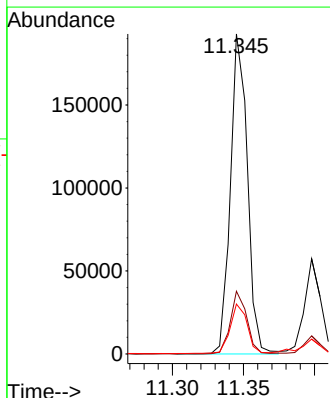
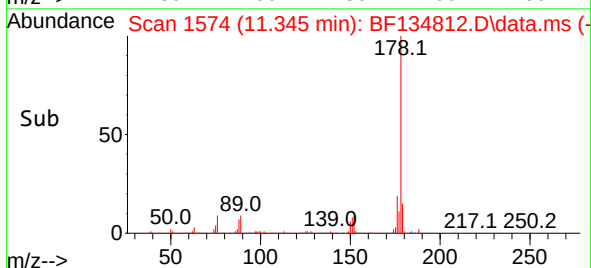
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

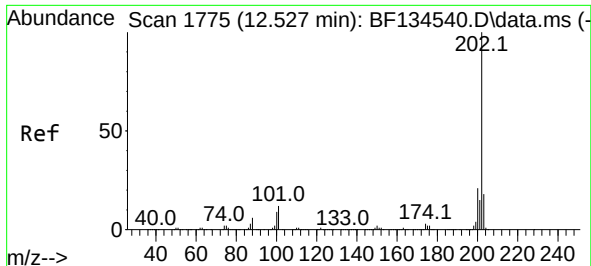


#71
Phenanthrene
Concen: 7.063 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59



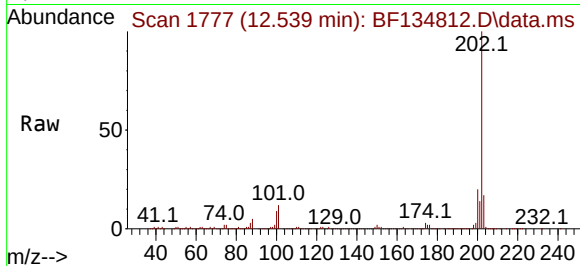
Tgt Ion:178 Resp: 160827
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.7 19.1





#75
Fluoranthene
Concen: 13.093 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

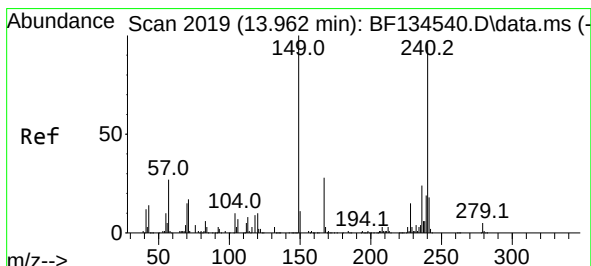
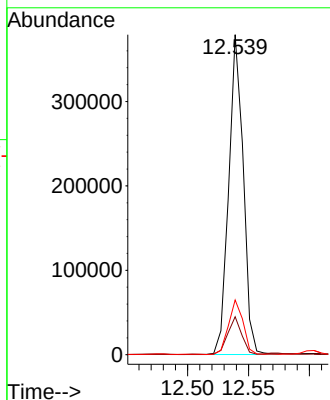
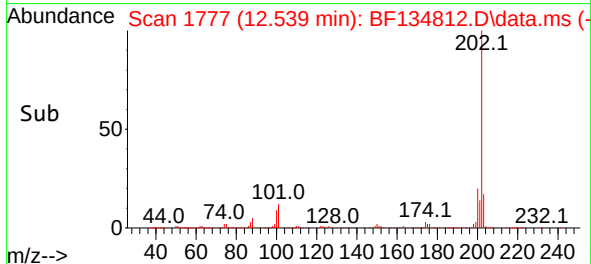
Instrument :
BNA_F
ClientSampleId :
EO-02-081523



Tgt Ion:202 Resp: 31490
Ion Ratio Lower Upper
202 100
101 11.8 0.0 28.5
203 17.1 0.0 37.5

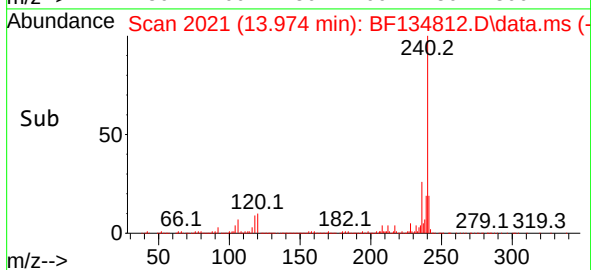
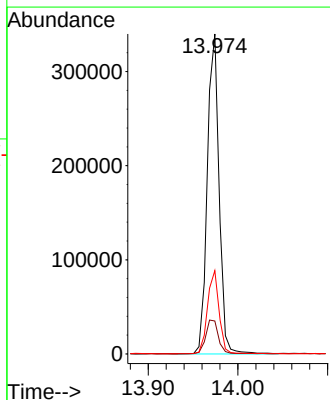
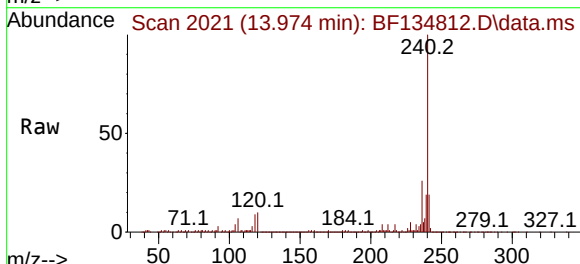
Manual Integrations
APPROVED

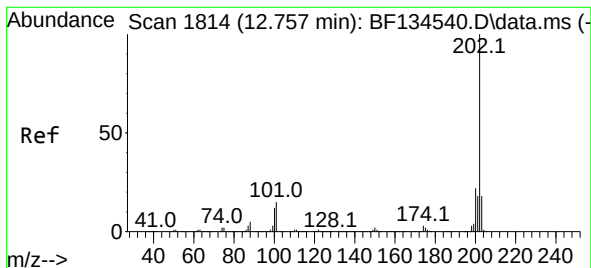
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:240 Resp: 311045
Ion Ratio Lower Upper
240 100
120 10.3 6.6 10.0#
236 26.1 20.2 30.2





#78

Pyrene

Concen: 9.609 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.000 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

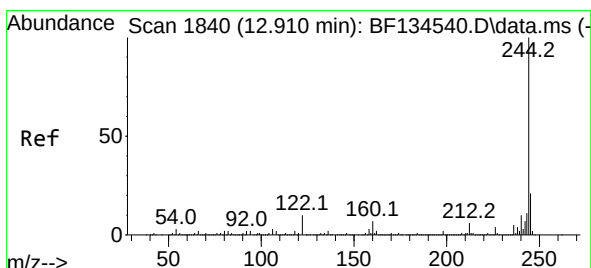
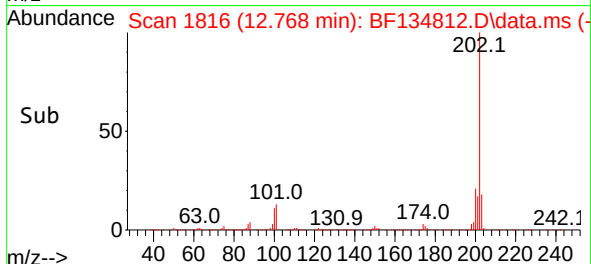
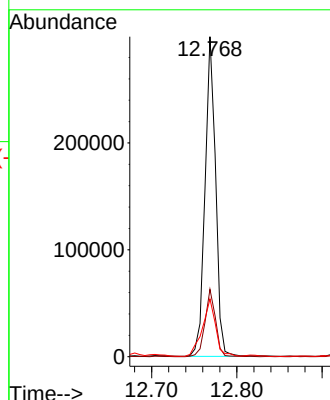
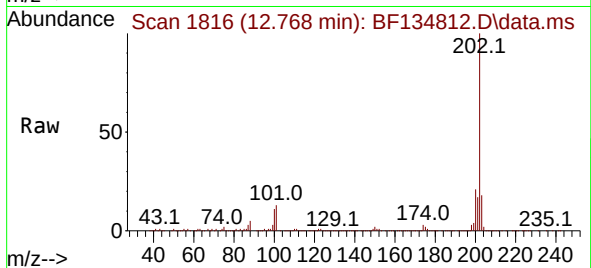
Tgt Ion:202 Resp: 25864

Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.8	23.8
203	18.0	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#79

Terphenyl-d14

Concen: 75.063 ng

RT: 12.921 min Scan# 1842

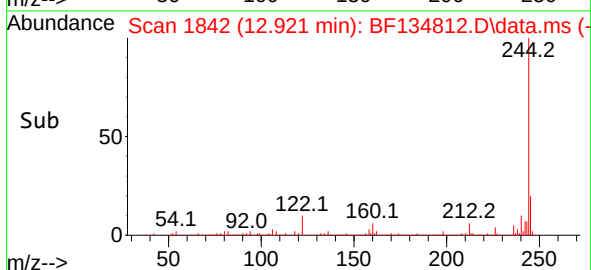
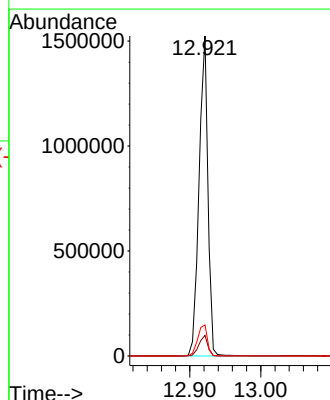
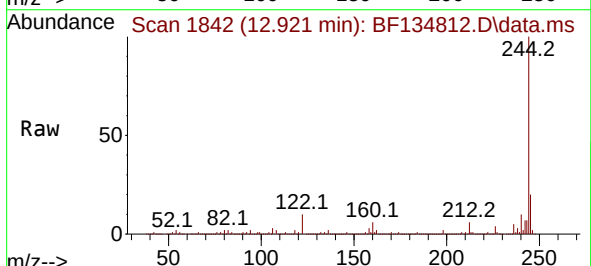
Delta R.T. -0.000 min

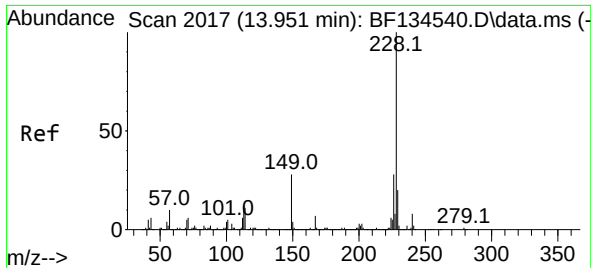
Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Tgt Ion:244 Resp: 1324440

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	9.7	8.0	12.0





#81
Benzo(a)anthracene
Concen: 4.807 ng
RT: 13.962 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

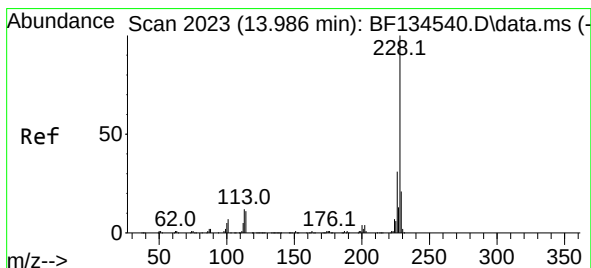
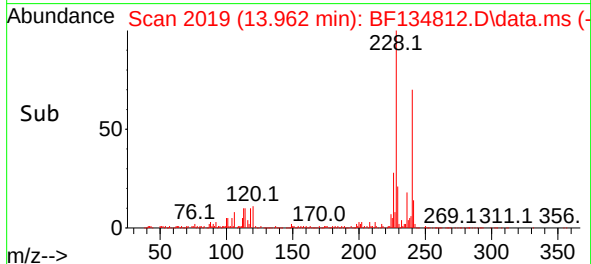
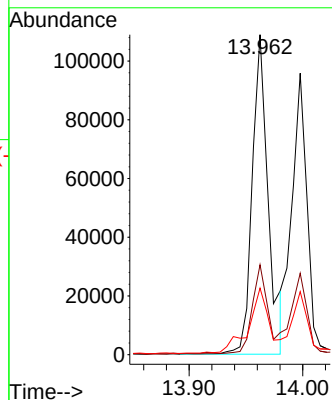
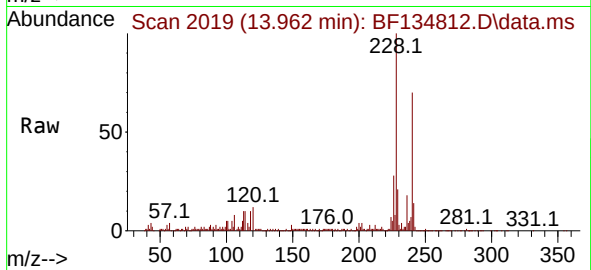
EO-02-081523

Tgt Ion:228 Resp: 106910
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 20.8 15.8 23.6

Manual Integrations

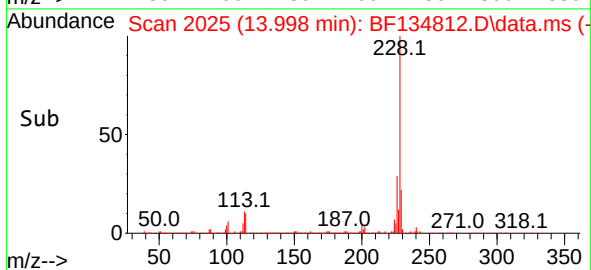
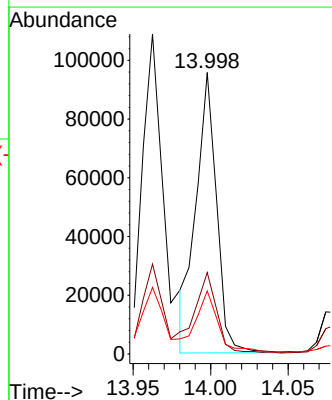
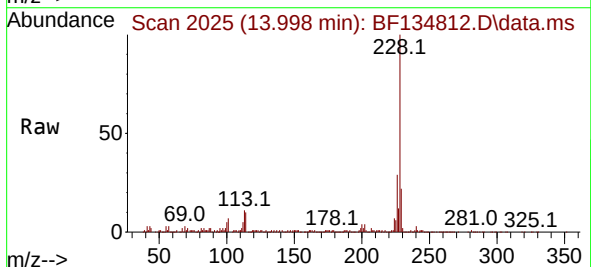
APPROVED

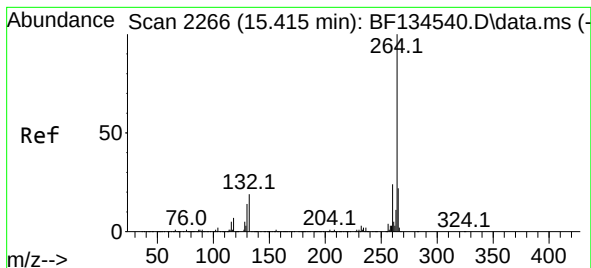
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#83
Chrysene
Concen: 4.087 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:228 Resp: 88564
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

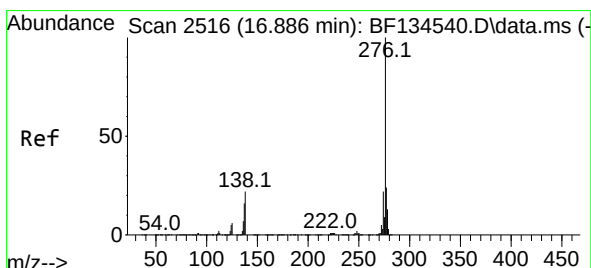
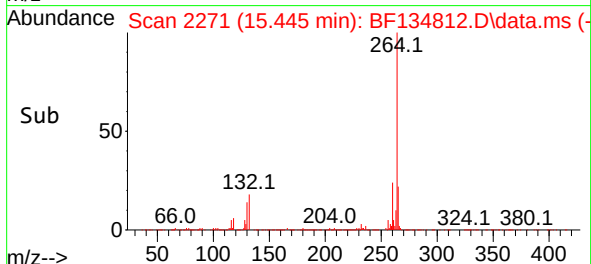
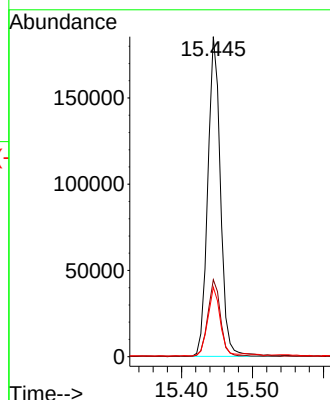
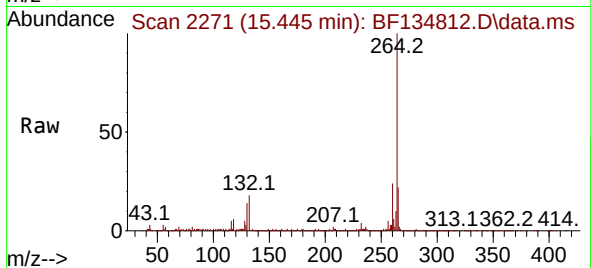
Tgt Ion:	264	Resp:	231570
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.4	27.6
265	21.7	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.923 ng

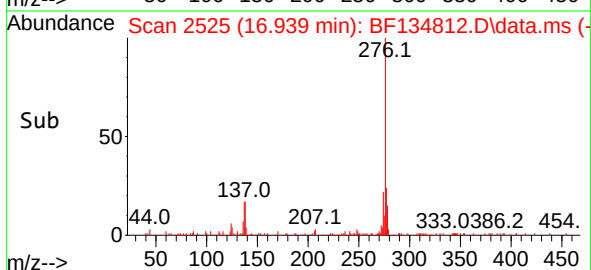
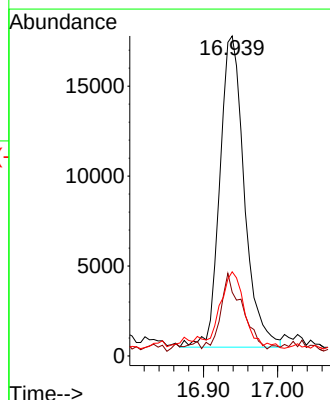
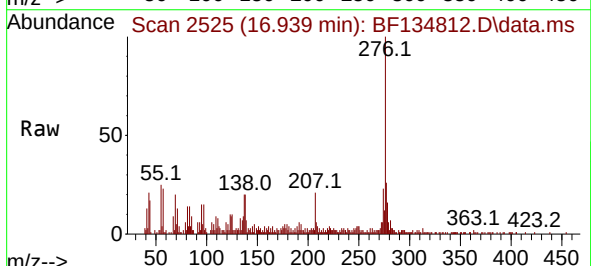
RT: 16.939 min Scan# 2525

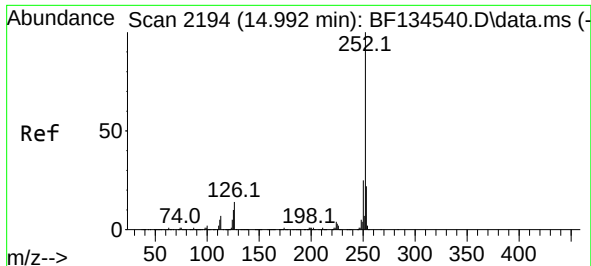
Delta R.T. 0.012 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Tgt Ion:	276	Resp:	39806
Ion Ratio	Lower	Upper	
276	100		
138	20.9	14.2	21.4
277	24.1	19.9	29.9





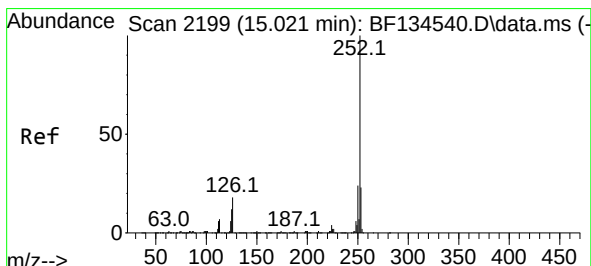
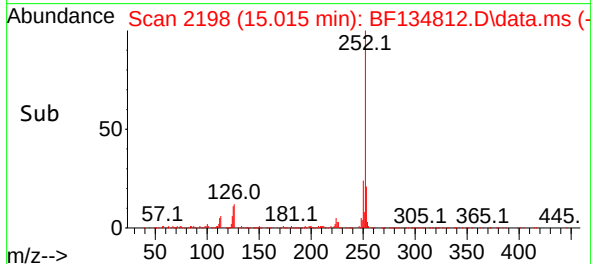
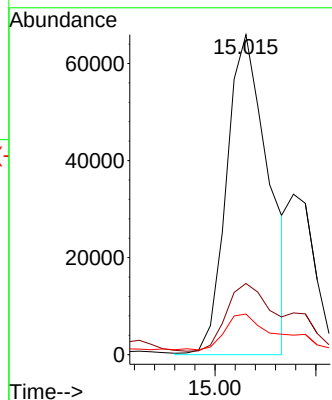
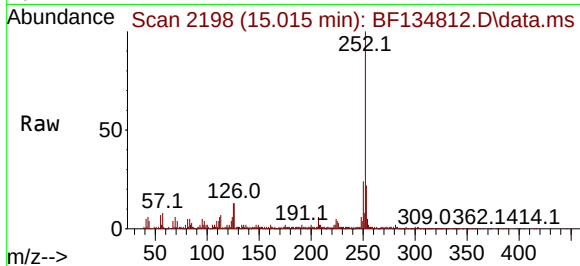
#88
Benzo(b)fluoranthene
Concen: 6.749 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Instrument :
BNA_F
ClientSampleId :
EO-02-081523

Tgt Ion:252 Resp: 9532
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 12.7 6.0 9.0

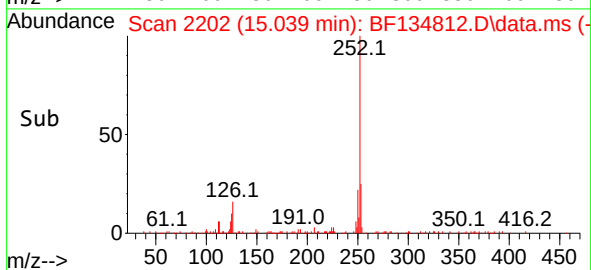
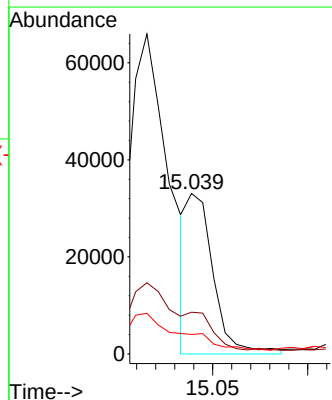
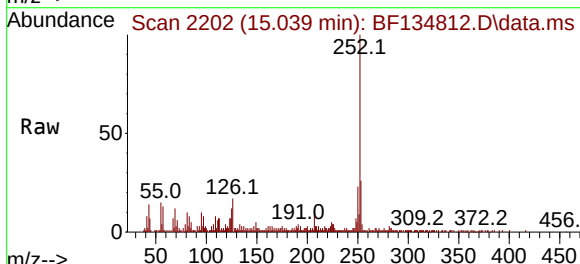
Manual Integrations
APPROVED

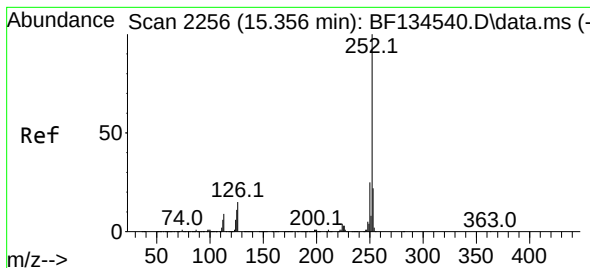
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#89
Benzo(k)fluoranthene
Concen: 2.269 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:252 Resp: 31919
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 12.1 6.3 9.5





#90

Benzo(a)pyrene

Concen: 4.690 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

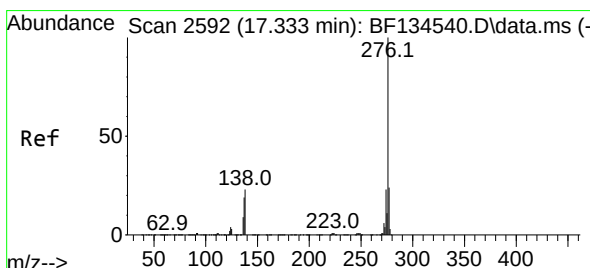
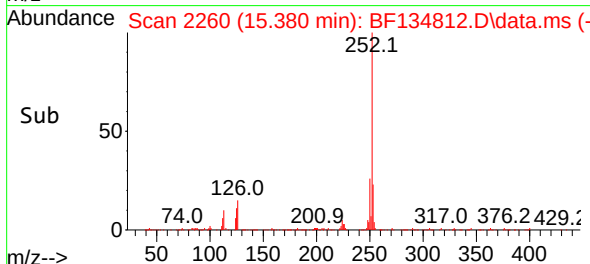
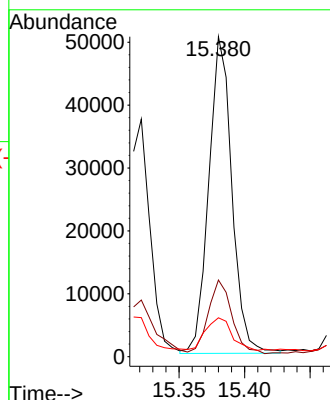
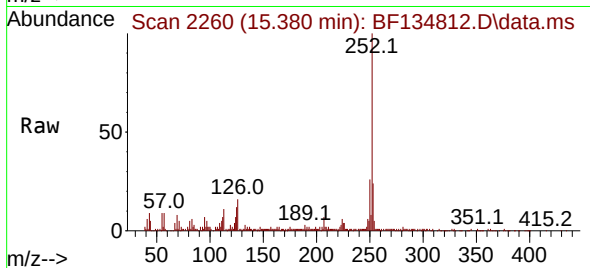
EO-02-081523

Tgt Ion:252 Resp: 6176
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.0 25.4
 125 12.1 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023



#92

Benzo(g,h,i)perylene

Concen: 3.570 ng

RT: 17.392 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Tgt Ion:276 Resp: 40085
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.0 28.6
 138 23.3 12.2 18.2

