

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
 Data File : BF131943.D
 Acq On : 06 Jan 2023 15:57
 Operator : CG\JU
 Sample : N6244-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-16

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

Quant Time: Jan 07 00:22:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 23:58:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	54602	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	188034	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	90001	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	144422	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	112036	20.000	ng	# 0.02
86) Perylene-d12	15.504	264	84620	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	285140	86.543	ng	0.01
7) Phenol-d6	6.446	99	371696	85.867	ng	0.00
23) Nitrobenzene-d5	7.369	82	264622	56.188	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	70501	72.097	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	387756	59.013	ng	0.00
79) Terphenyl-d14	12.957	244	349690	52.796	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.375	178	20845	2.625	ng	# 68
75) Fluoranthene	12.580	202	27150	2.935	ng	# 64
78) Pyrene	12.816	202	31679	3.374	ng	# 66
83) Chrysene	14.045	228	16236	2.130	ng	# 52
84) Bis(2-ethylhexyl)phtha...	13.992	149	376641	88.812	ng	99
85) Di-n-octyl phthalate	14.616	149	45528	7.975	ng	# 74
88) Benzo(b)fluoranthene	15.068	252	18243m	2.940	ng	
90) Benzo(a)pyrene	15.439	252	12922	2.690	ng	# 16
92) Benzo(g,h,i)perylene	17.427	276	9980	6.954	ng	# 81

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

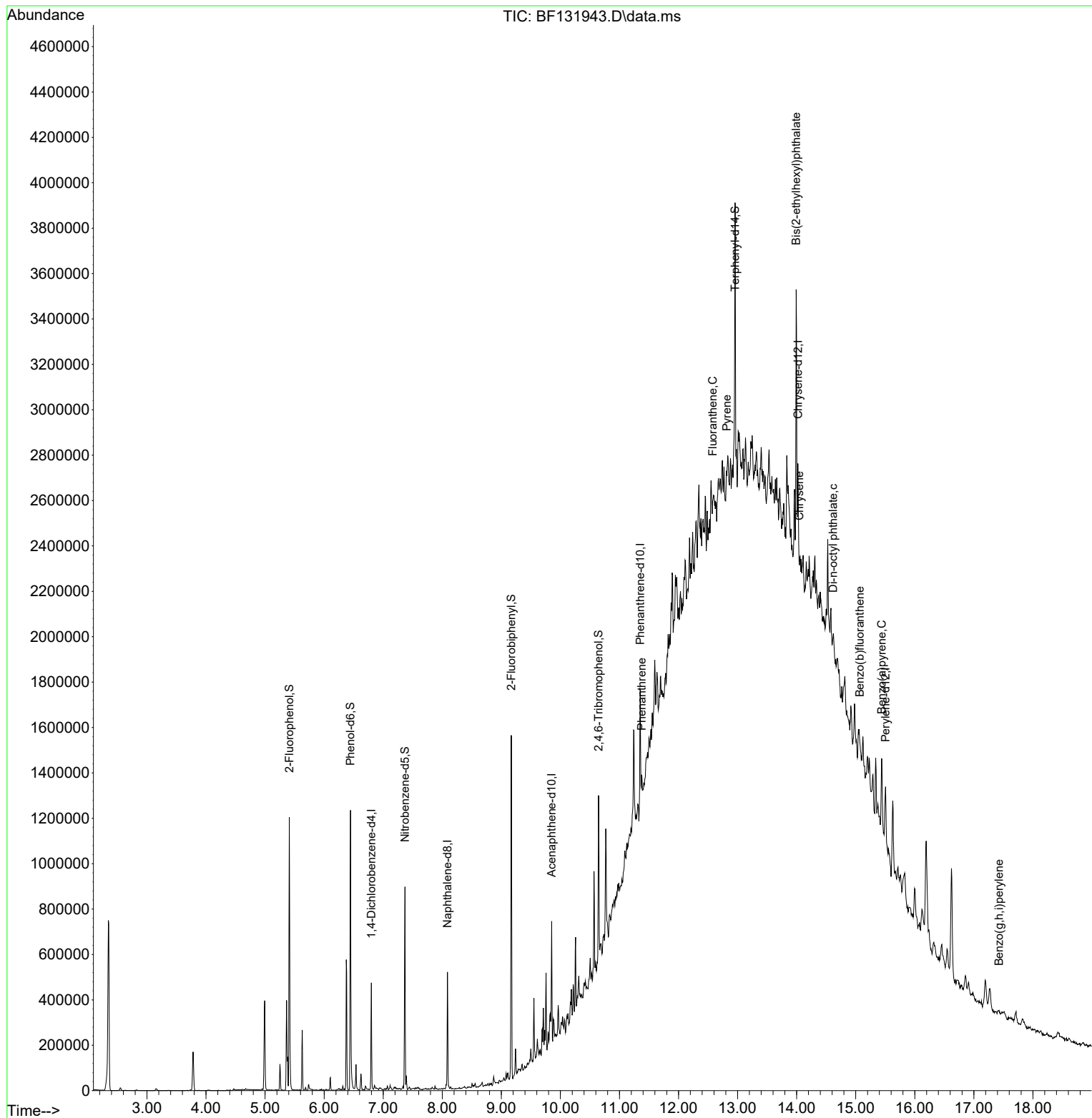
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
Data File : BF131943.D
Acq On : 06 Jan 2023 15:57
Operator : CG\JU
Sample : N6244-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

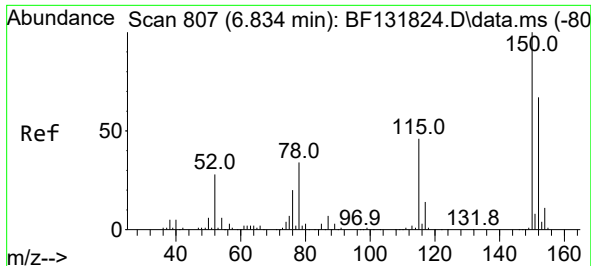
Instrument :
BNA_F
ClientSampleId :
PE-16

Quant Time: Jan 07 00:22:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 23:58:27 2023
Response via : Initial Calibration

Manual Integrations
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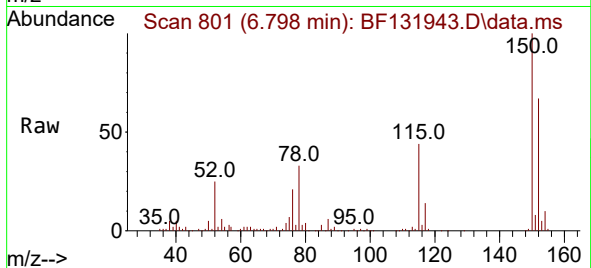
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

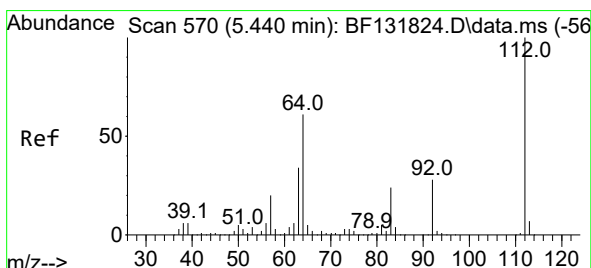
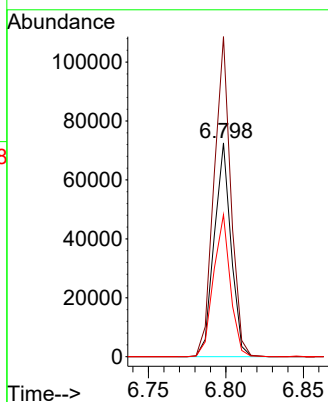
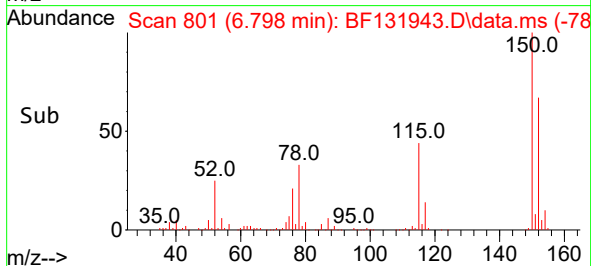
Instrument :
BNA_F
ClientSampleId :
PE-16



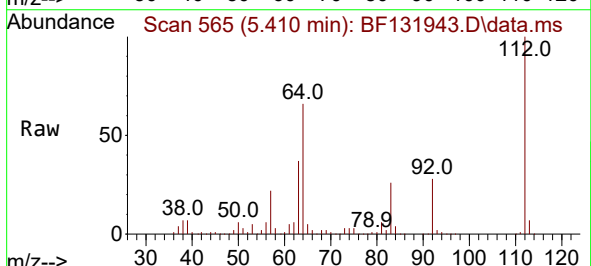
Tgt Ion:152 Resp: 5460
Ion Ratio Lower Upper
152 100
150 149.7 120.0 180.0
115 66.4 55.1 82.7

Manual Integrations
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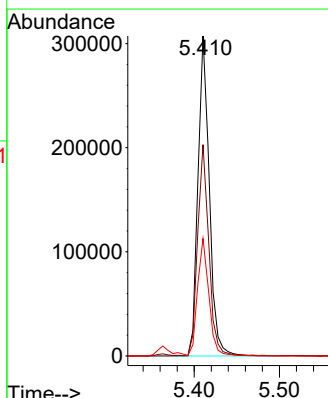
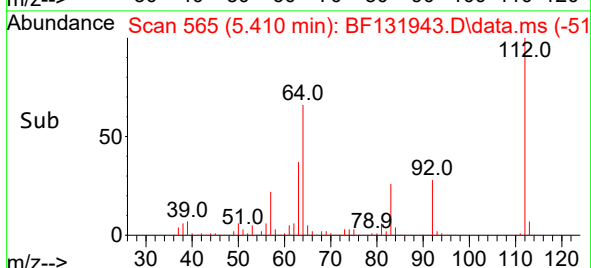
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

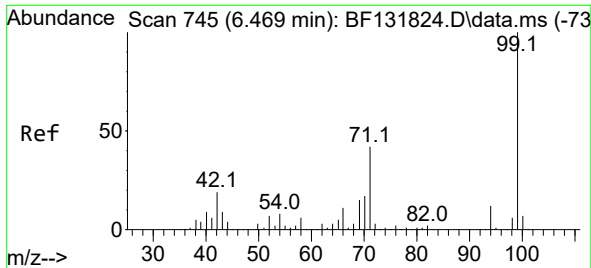


#5
2-Fluorophenol
Concen: 86.543 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57



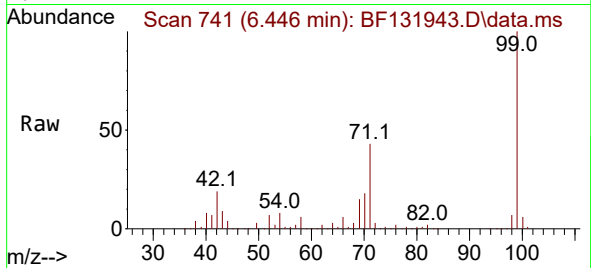
Tgt Ion:112 Resp: 285140
Ion Ratio Lower Upper
112 100
64 66.0 49.2 73.8
63 36.7 27.5 41.3





#7
Phenol-d6
Concen: 85.867 ng
RT: 6.446 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

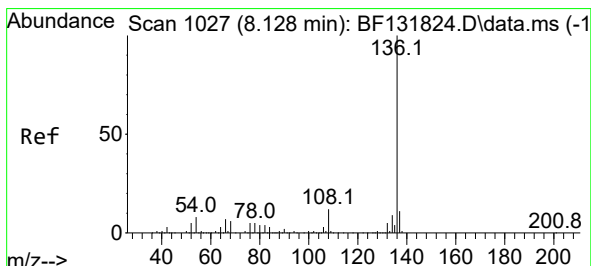
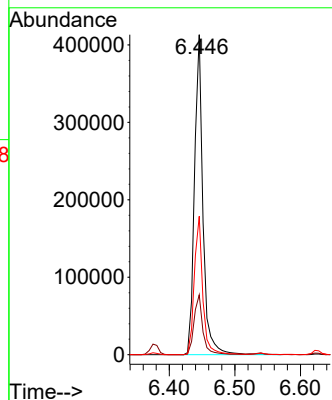
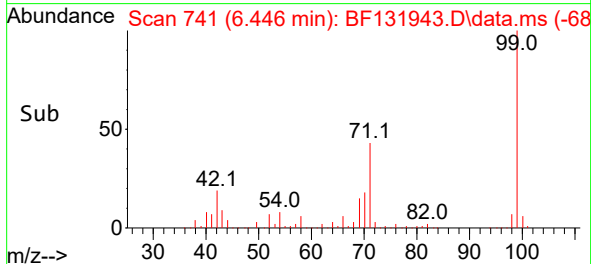
Instrument :
BNA_F
ClientSampleId :
PE-16



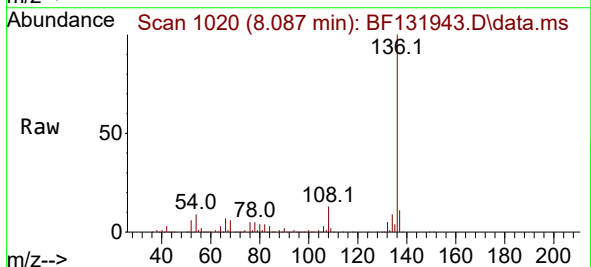
Tgt Ion: 99 Resp: 371690
Ion Ratio Lower Upper
99 100
42 18.7 15.3 22.9
71 43.2 33.5 50.3

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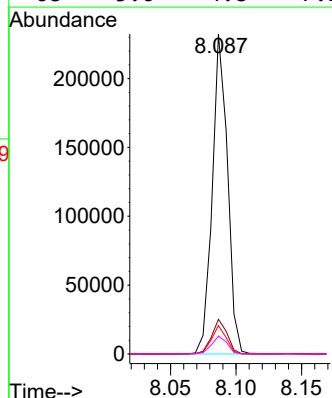
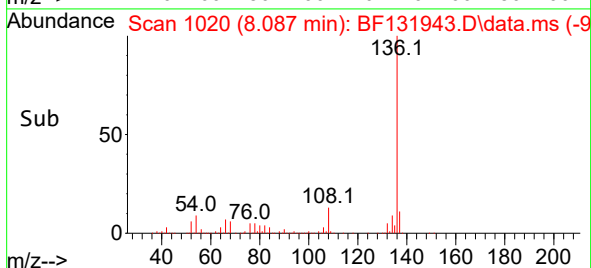
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

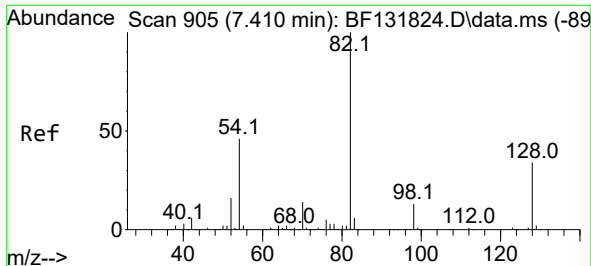


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57



Tgt Ion:136 Resp: 188034
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.9 6.7 10.1
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 56.188 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Instrument :

BNA_F

ClientSampleId :

PE-16

Tgt Ion: 82 Resp: 26462

Ion Ratio Lower Upper

82 100

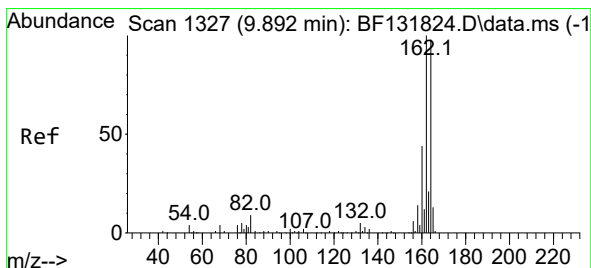
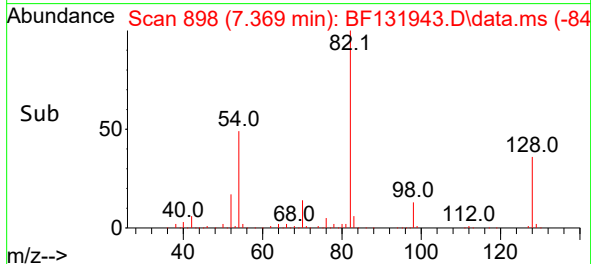
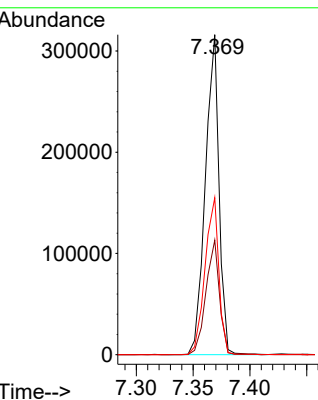
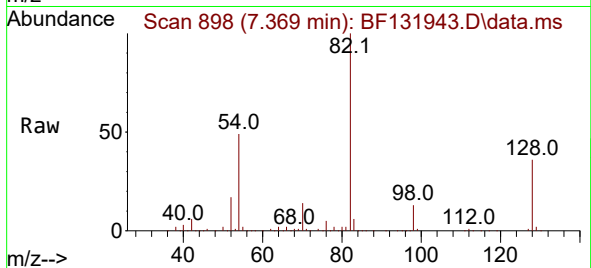
128 35.8 27.1 40.7

54 49.0 37.0 55.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

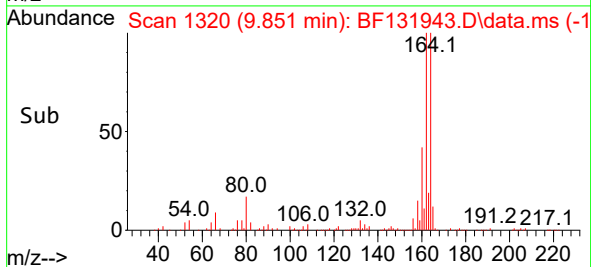
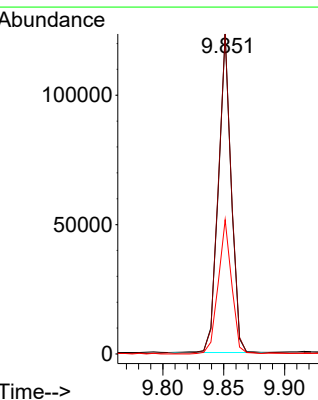
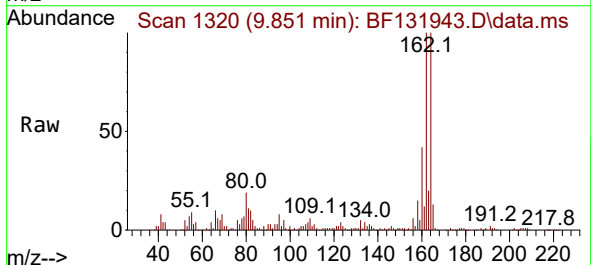
Tgt Ion:164 Resp: 90001

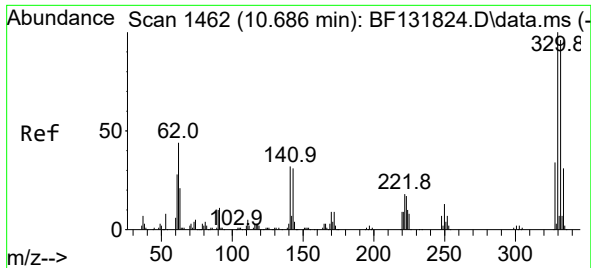
Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.6

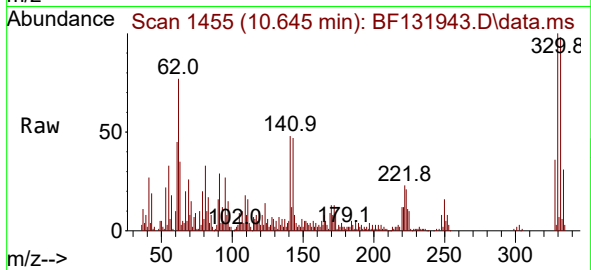
160 41.9 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 72.097 ng
RT: 10.645 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

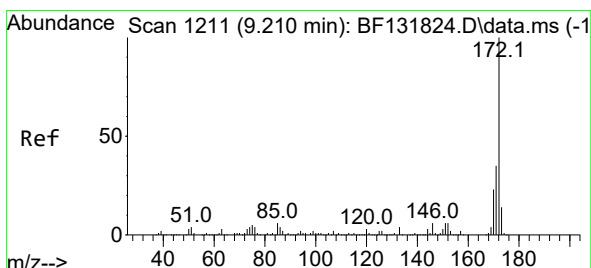
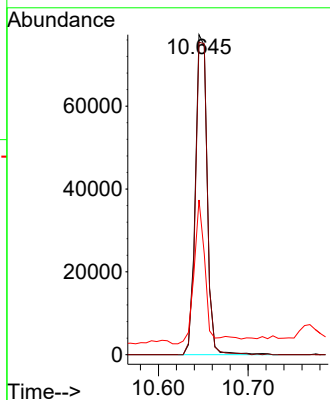
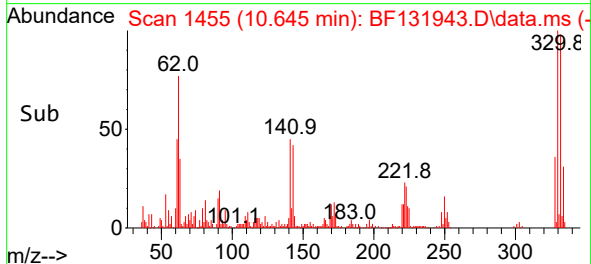
Instrument :
BNA_F
ClientSampleId :
PE-16



Tgt Ion: 330 Resp: 7050
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.4
141 41.1 31.0 46.4

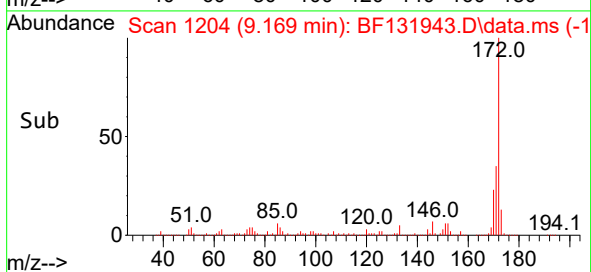
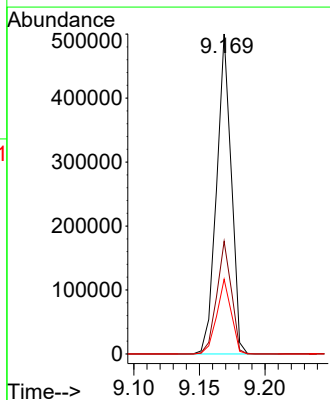
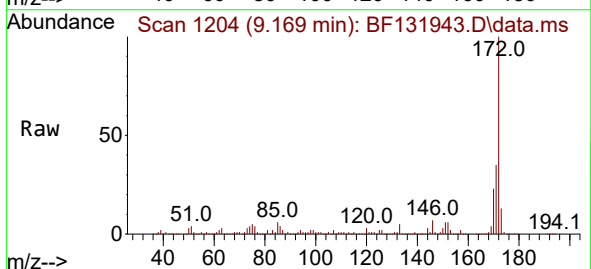
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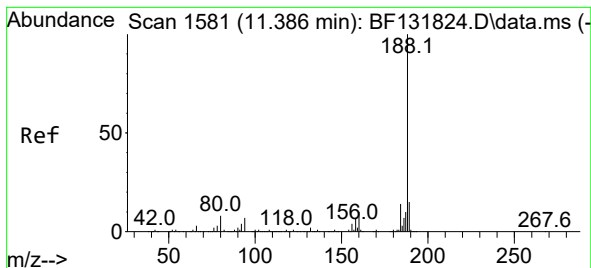
Reviewed By : Christian Giraldo 01/09/2023
Supervised By : mohammad ahmed 01/09/2023



#45
2-Fluorobiphenyl
Concen: 59.013 ng
RT: 9.169 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

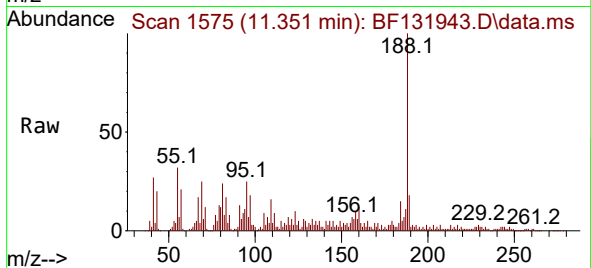
Tgt Ion: 172 Resp: 387756
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.4 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

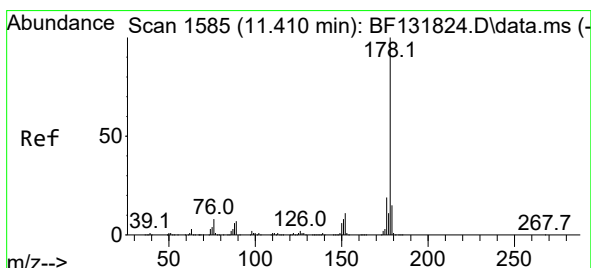
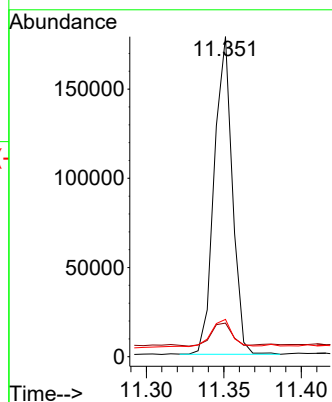
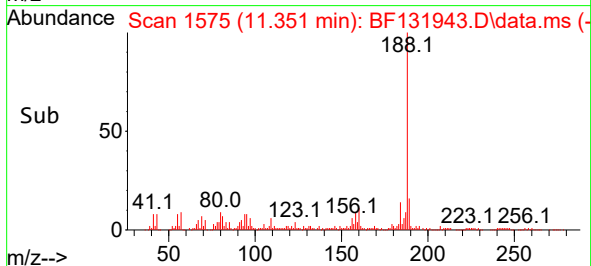
Instrument :
BNA_F
ClientSampleId :
PE-16



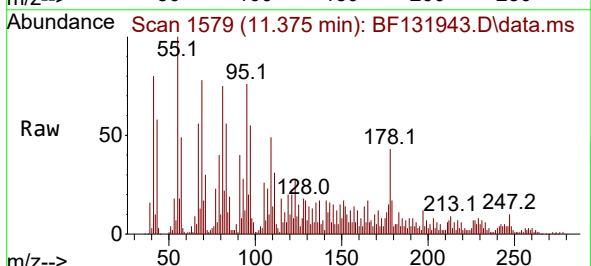
Tgt Ion:188 Resp: 14442
Ion Ratio Lower Upper
188 100
94 10.5 5.8 8.6
80 11.7 6.7 10.1

Manual Integrations
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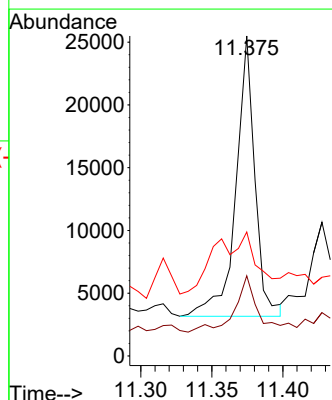
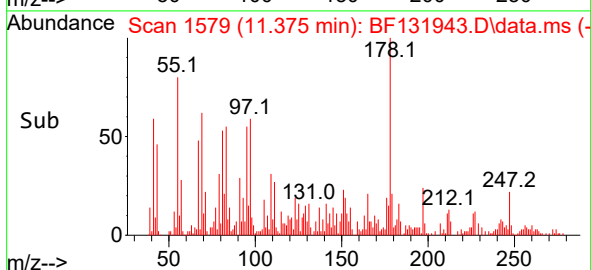
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

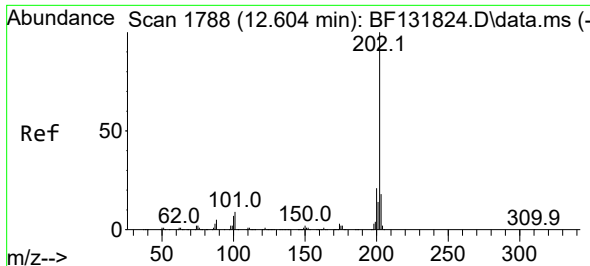


#71
Phenanthrene
Concen: 2.625 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57



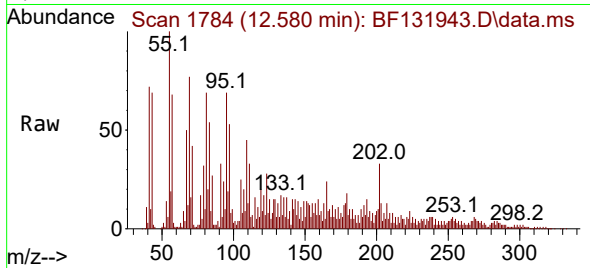
Tgt Ion:178 Resp: 20845
Ion Ratio Lower Upper
178 100
176 25.1 15.5 23.3#
179 38.8 12.2 18.4#





#75
Fluoranthene
Concen: 2.935 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.018 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

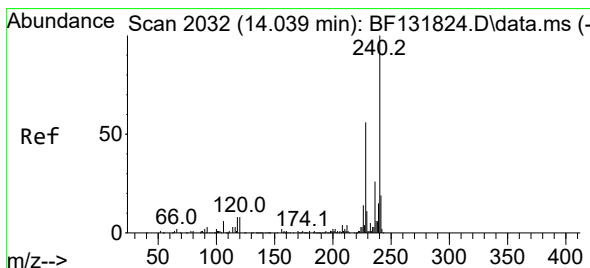
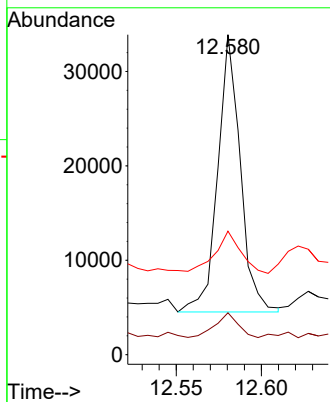
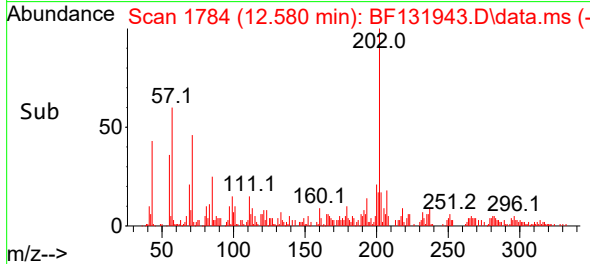
Instrument :
BNA_F
ClientSampleId :
PE-16



Tgt Ion:202 Resp: 27150
Ion Ratio Lower Upper
202 100
101 13.1 0.0 28.6
203 38.6 0.0 37.8

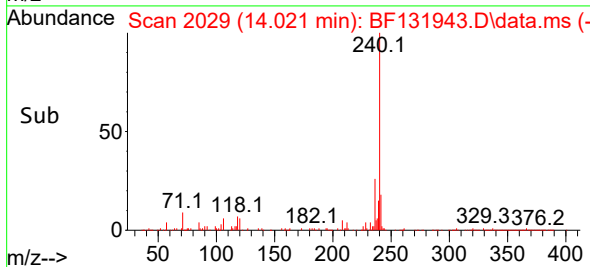
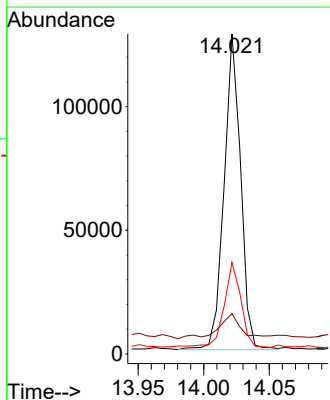
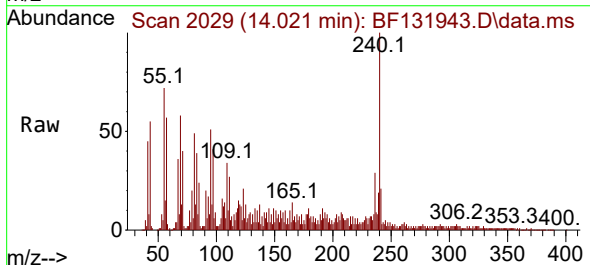
Manual Integrations
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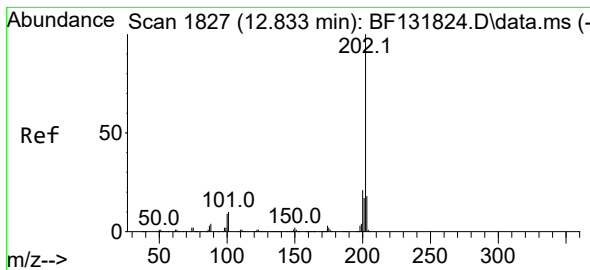
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.024 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

Tgt Ion:240 Resp: 112036
Ion Ratio Lower Upper
240 100
120 12.6 6.7 10.1#
236 28.6 20.6 31.0





#78

Pyrene

Concen: 3.374 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.024 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Instrument :

BNA_F

ClientSampleId :

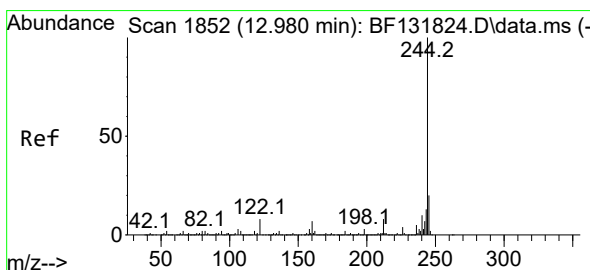
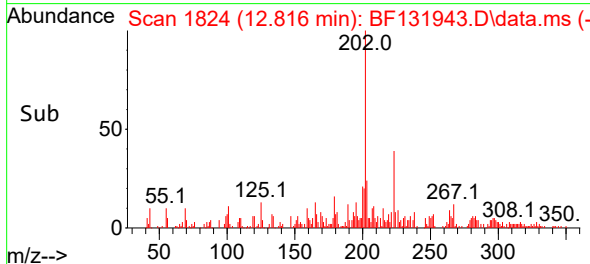
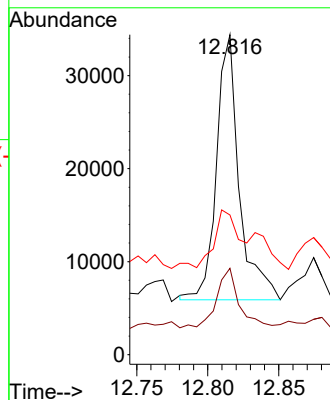
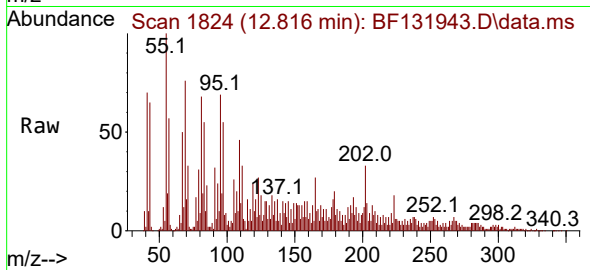
PE-16

Tgt Ion:	202	Resp:	31679
Ion Ratio	Lower	Upper	
202	100		
200	27.0	16.7	25.1
203	43.6	14.4	21.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#79

Terphenyl-d14

Concen: 52.796 ng

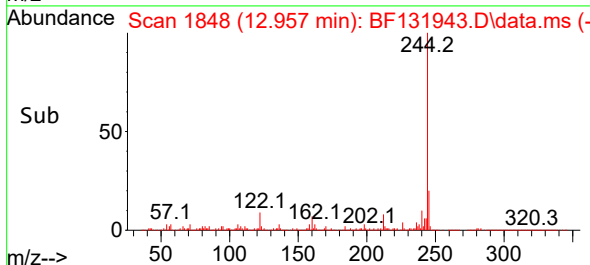
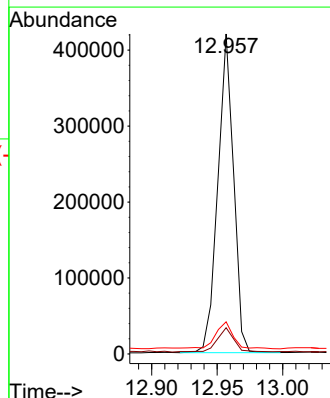
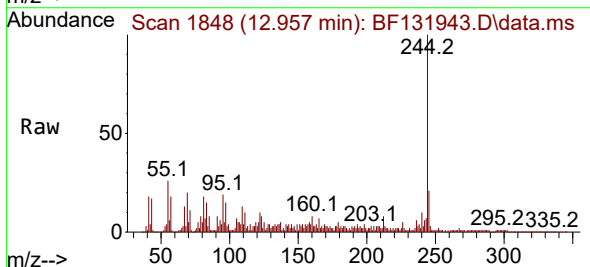
RT: 12.957 min Scan# 1848

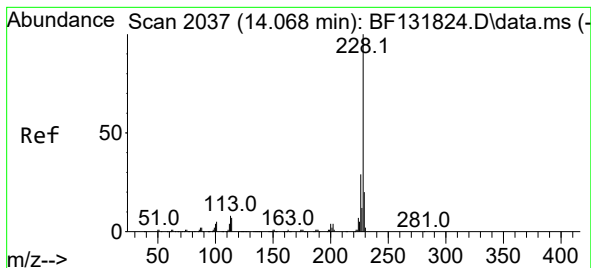
Delta R.T. 0.018 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Tgt Ion:	244	Resp:	349690
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.3	9.5
122	10.0	6.4	9.6





#83

Chrysene

Concen: 2.130 ng

RT: 14.045 min Scan# 2037

Delta R.T. 0.018 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Instrument :

BNA_F

ClientSampleId :

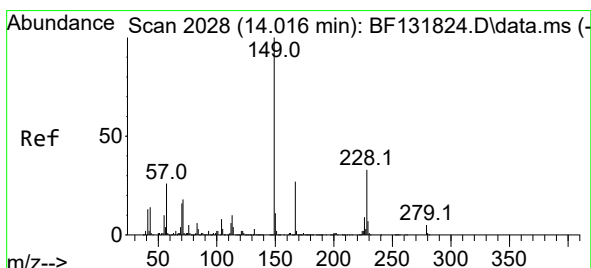
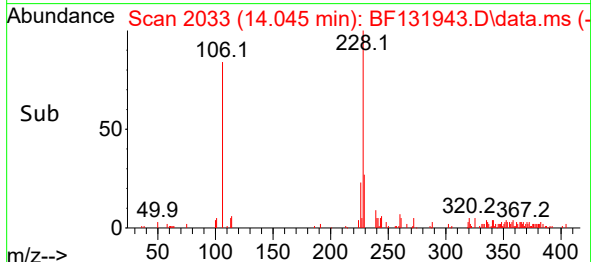
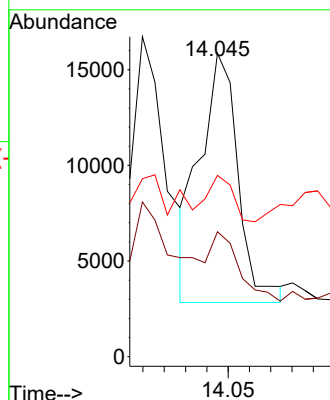
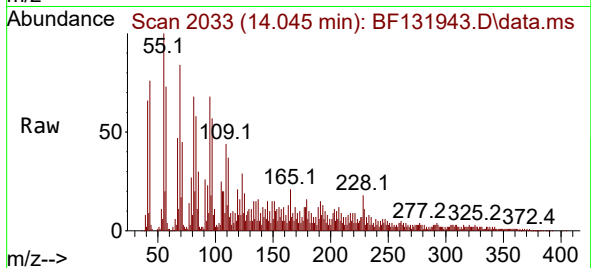
PE-16

Tgt Ion:228 Resp: 16230
 Ion Ratio Lower Upper
 228 100
 226 41.2 23.5 35.3
 229 59.8 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 88.812 ng

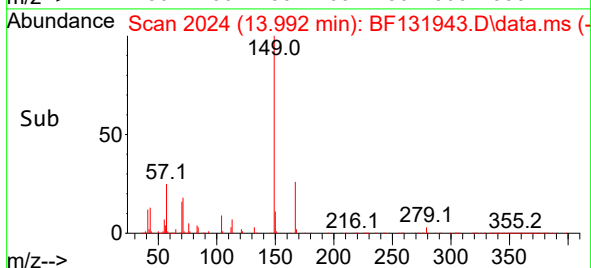
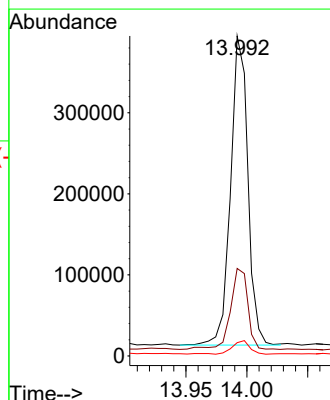
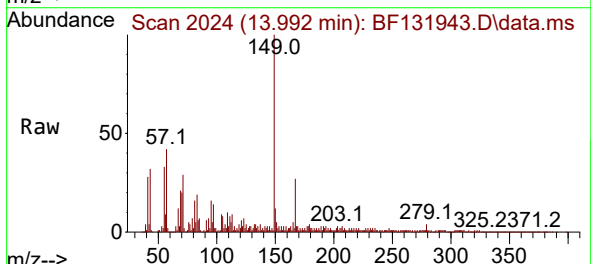
RT: 13.992 min Scan# 2024

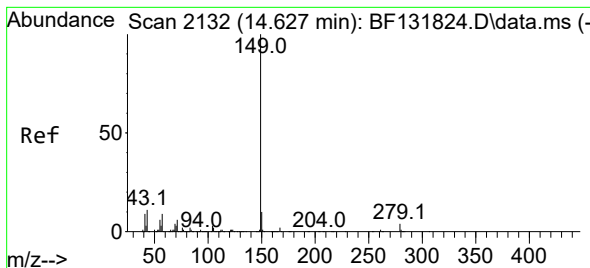
Delta R.T. 0.018 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Tgt Ion:149 Resp: 376641
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.8 32.6
 279 4.2 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 7.975 ng

RT: 14.616 min Scan# 2130

Delta R.T. 0.024 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Instrument :

BNA_F

ClientSampleId :

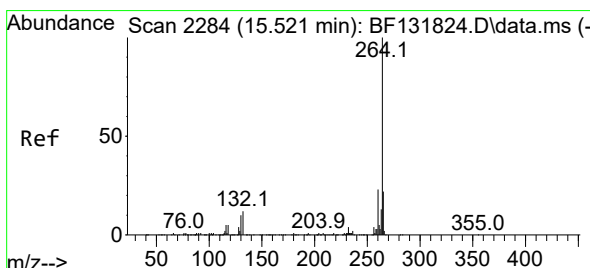
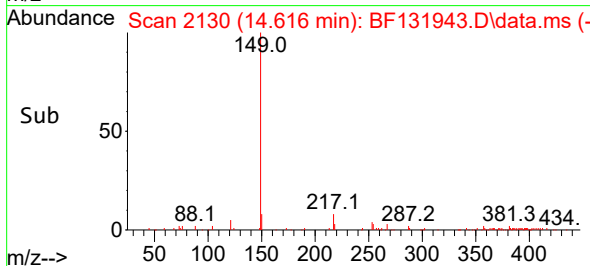
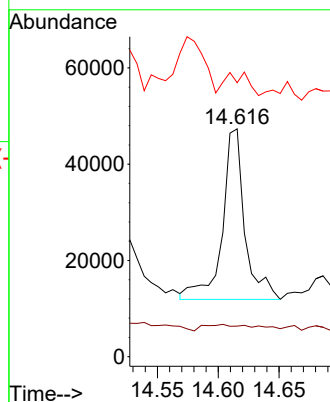
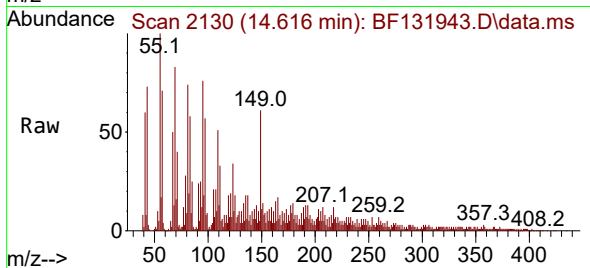
PE-16

Tgt Ion:	149	Resp:	45520
Ion Ratio	Lower	Upper	
149	100		
167	9.8	1.2	1.8
43	0.0	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#86

Perylene-d12

Concen: 20.000 ng

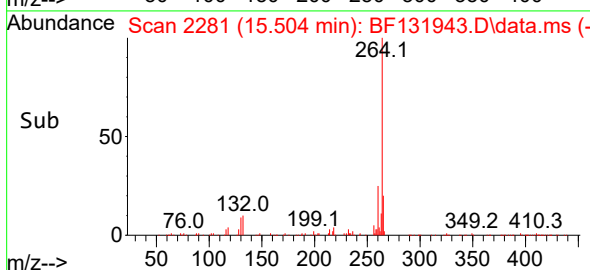
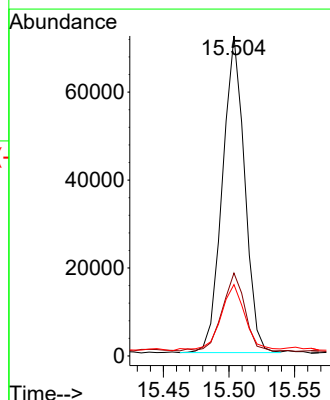
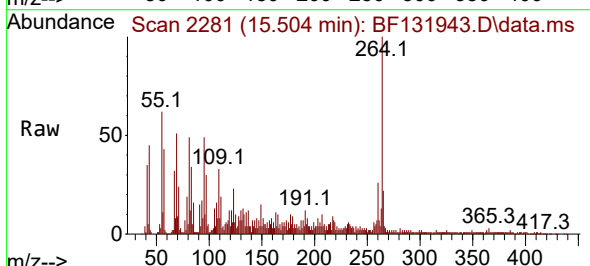
RT: 15.504 min Scan# 2281

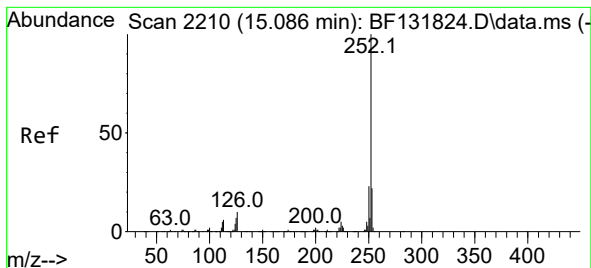
Delta R.T. 0.035 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Tgt Ion:	264	Resp:	84620
Ion Ratio	Lower	Upper	
264	100		
260	25.9	18.6	28.0
265	22.3	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 2.940 ng m

RT: 15.068 min Scan# 2210

Delta R.T. 0.029 min

Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Instrument :

BNA_F

ClientSampleId :

PE-16

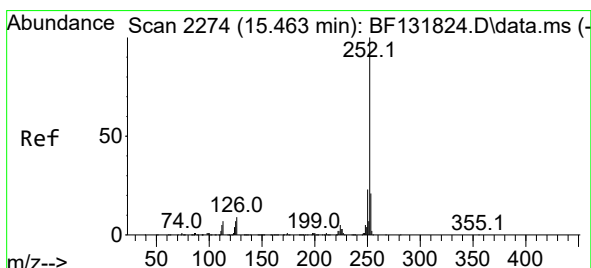
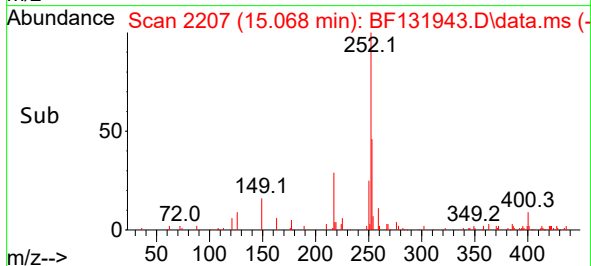
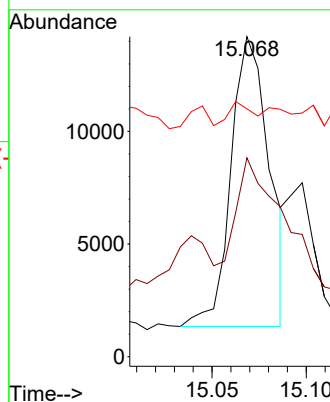
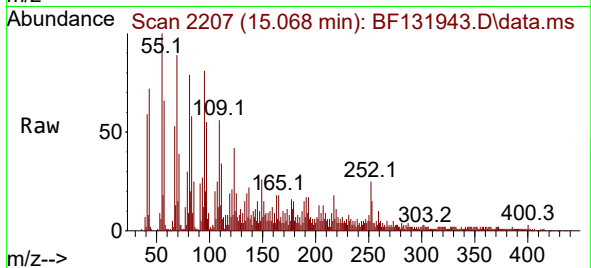
Tgt Ion:252 Resp: 1824

Ion	Ratio	Lower	Upper
252	100		
253	62.2	17.6	26.4
125	77.4	5.8	8.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#90

Benzo(a)pyrene

Concen: 2.690 ng

RT: 15.439 min Scan# 2270

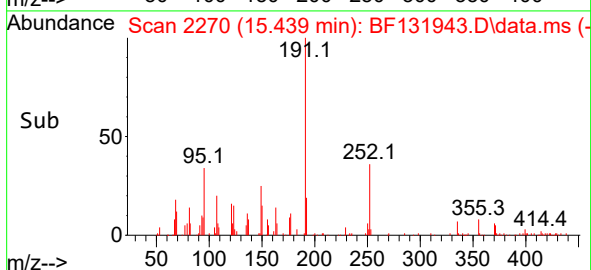
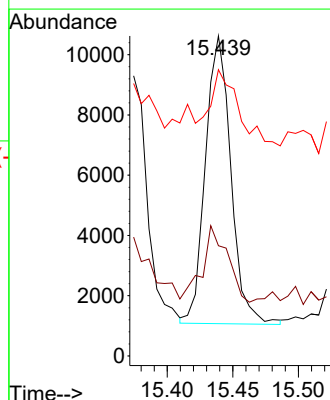
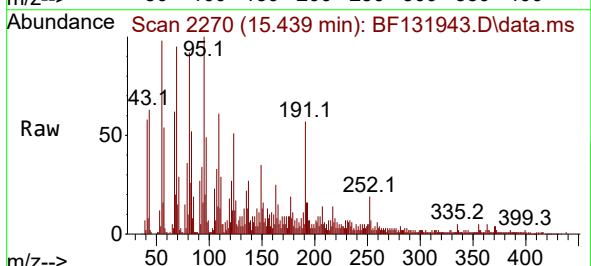
Delta R.T. 0.029 min

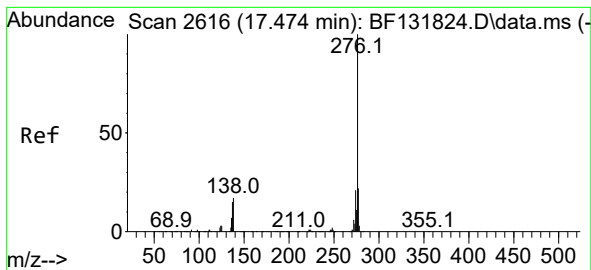
Lab File: BF131943.D

Acq: 06 Jan 2023 15:57

Tgt Ion:252 Resp: 12922

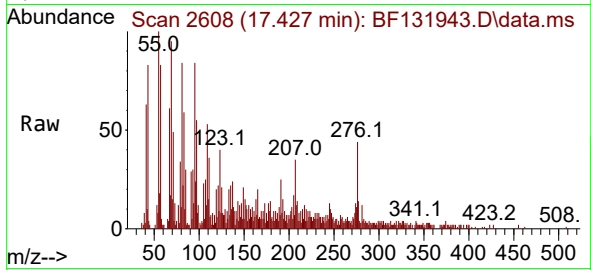
Ion	Ratio	Lower	Upper
252	100		
253	34.4	16.6	24.8
125	89.5	5.8	8.8





#92
Benzo(g,h,i)perylene
Concen: 6.954 ng
RT: 17.427 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF131943.D
Acq: 06 Jan 2023 15:57

Instrument :
BNA_F
ClientSampleId :
PE-16



Tgt Ion: 276 Resp: 9980
Ion Ratio Lower Upper
276 100
277 31.6 17.9 26.9
138 25.4 13.7 20.5

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 01/09/2023
Supervised By : mohammad ahmed 01/09/2023

