

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141566.D
 Acq On : 11 Feb 2025 17:08
 Operator : RC/JU
 Sample : Q1343-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/11/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 11 17:28:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	79064	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	307571	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	165558	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	282379	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	188770	20.000	ng	-0.02
86) Perylene-d12	15.404	264	181070	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	466243	92.450	ng	0.00
7) Phenol-d6	6.422	99	570401	89.487	ng	-0.02
23) Nitrobenzene-d5	7.345	82	382934	64.938	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	148882	89.520	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	711939	66.251	ng	-0.01
79) Terphenyl-d14	12.892	244	720164	64.404	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.327	178	51487	3.312	ng	99
75) Fluoranthene	12.516	202	133535	8.103	ng	99
78) Pyrene	12.745	202	116888	7.274	ng	99
81) Benzo(a)anthracene	13.933	228	70752	5.638	ng	95
83) Chrysene	13.974	228	52126	4.499	ng	96
87) Indeno(1,2,3-cd)pyrene	16.833	276	30537	2.729	ng	99
88) Benzo(b)fluoranthene	14.986	252	63630m	5.234	ng	
89) Benzo(k)fluoranthene	15.004	252	22338m	2.152	ng	
90) Benzo(a)pyrene	15.345	252	47243	4.802	ng	97
92) Benzo(g,h,i)perylene	17.268	276	27744	2.924	ng	99

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

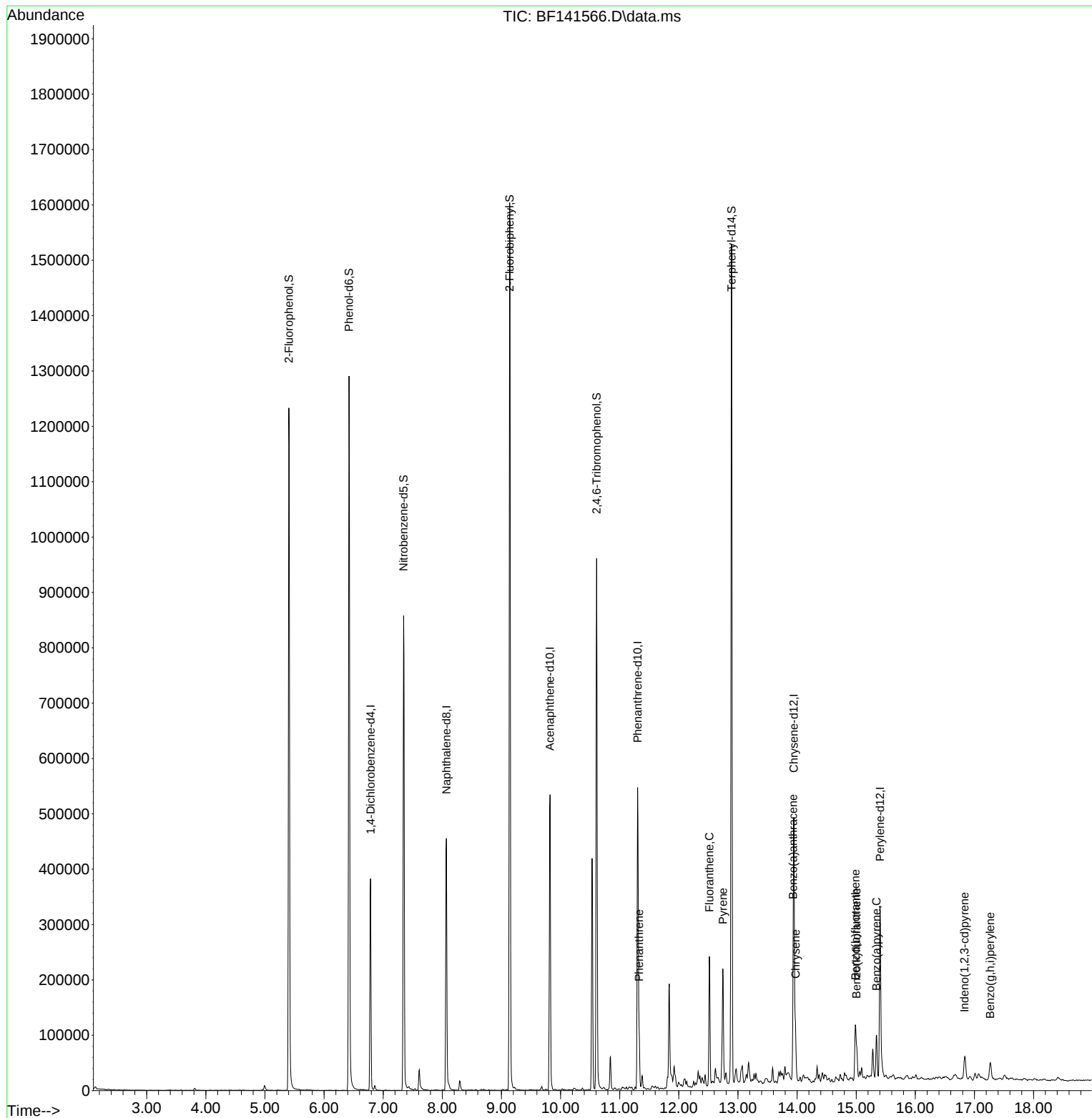
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141566.D
Acq On : 11 Feb 2025 17:08
Operator : RC/JU
Sample : Q1343-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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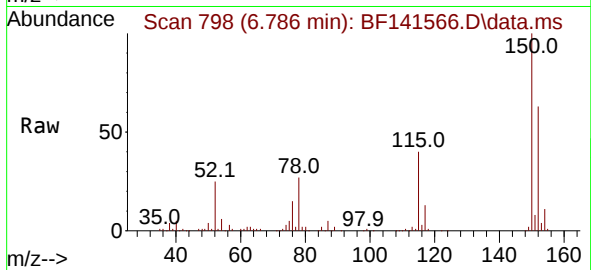
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: BF141566.D
 Acq: 11 Feb 2025 17:08

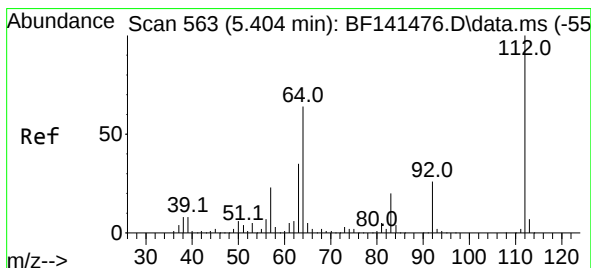
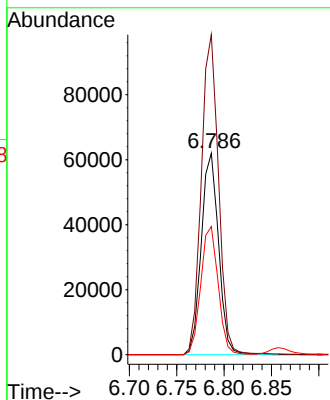
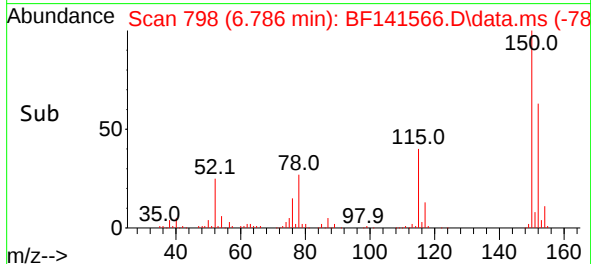
Instrument :
 BNA_F
 ClientSampleId :
 WC-9



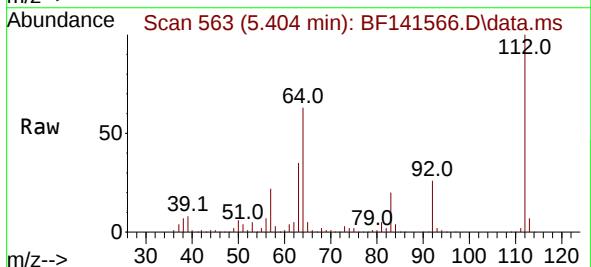
Tgt Ion:152 Resp: 79064
 Ion Ratio Lower Upper
 152 100
 150 158.8 125.0 187.4
 115 63.7 53.6 80.4

Manual Integrations
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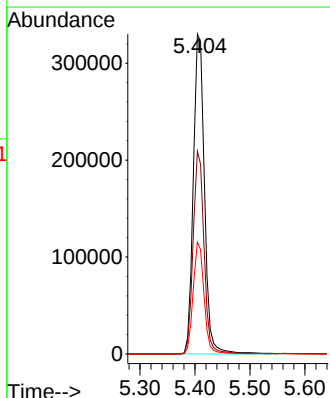
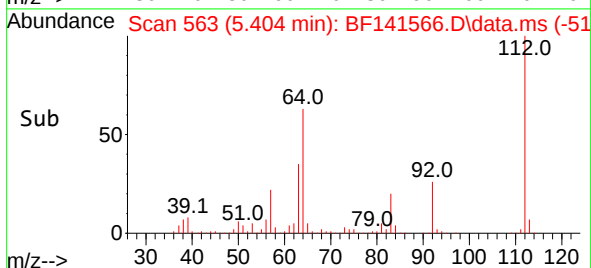
Reviewed By :Jagrut Upadhyay 02/11/2025
 Supervised By :mohammad ahmed 02/12/2025



#5
 2-Fluorophenol
 Concen: 92.450 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141566.D
 Acq: 11 Feb 2025 17:08



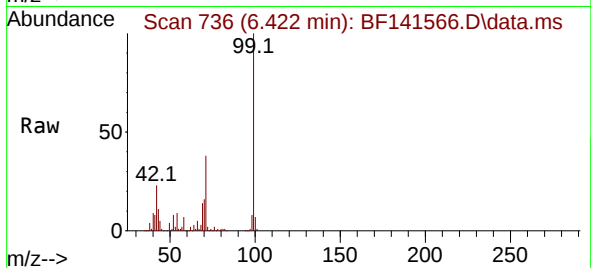
Tgt Ion:112 Resp: 466243
 Ion Ratio Lower Upper
 112 100
 64 63.3 51.1 76.7
 63 34.9 28.4 42.6





#7
Phenol-d6
Concen: 89.487 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

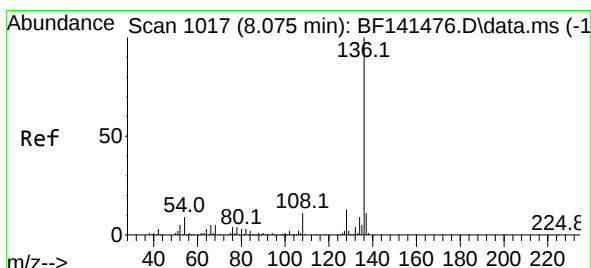
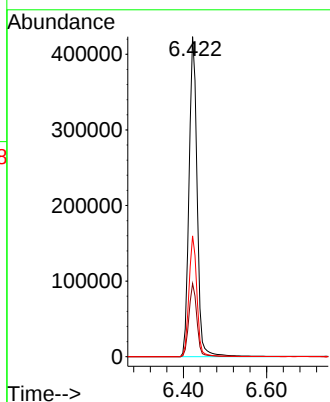
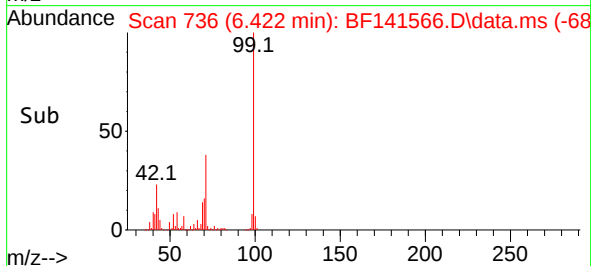
Instrument :
BNA_F
ClientSampleId :
WC-9



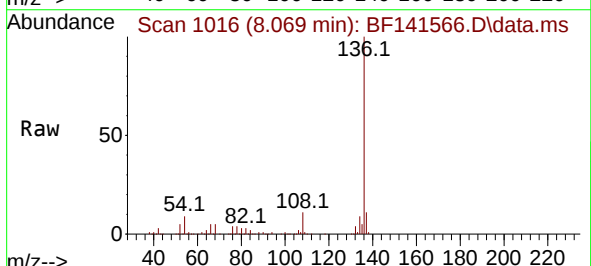
Tgt Ion: 99 Resp: 57040
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 37.7 31.1 46.7

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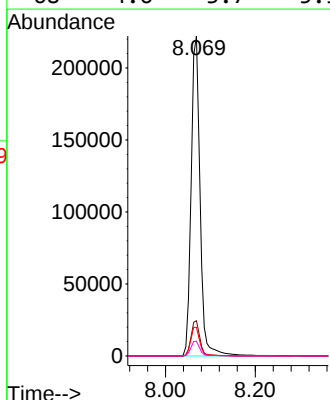
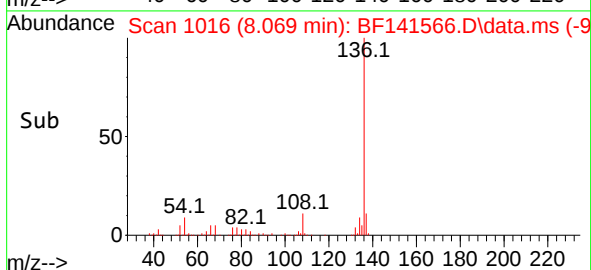
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08



Tgt Ion:136 Resp: 307571
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.2 10.8
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 64.938 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

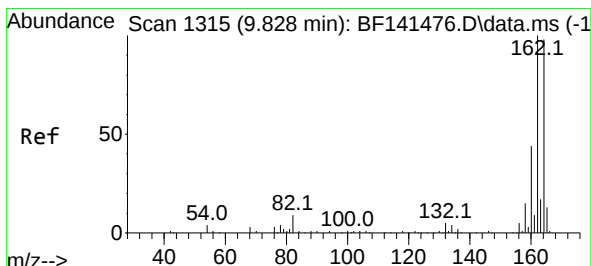
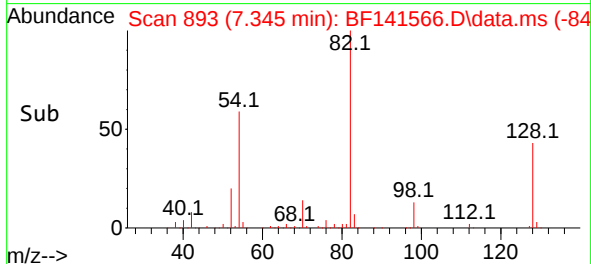
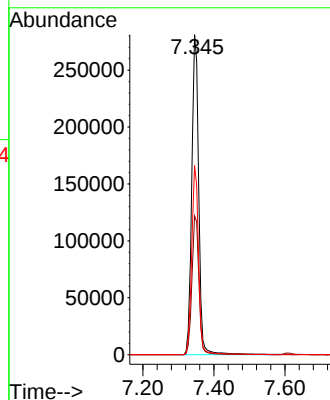
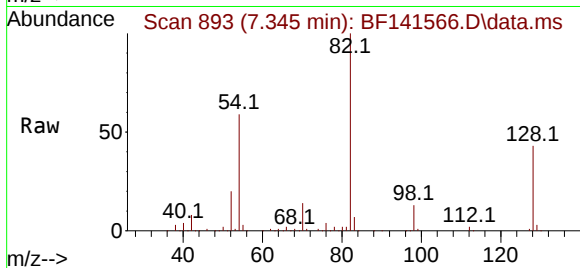
Tgt Ion: 82 Resp: 382934

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.8	52.2
54	59.1	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

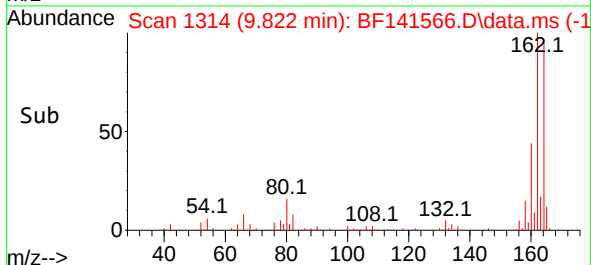
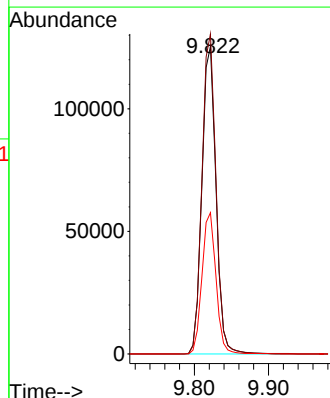
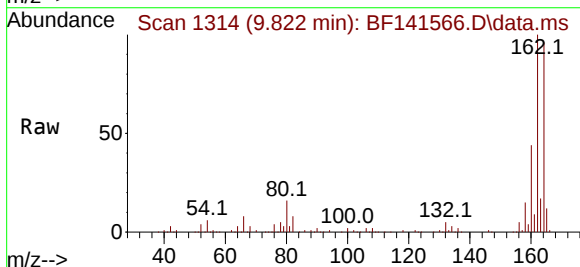
Delta R.T. -0.012 min

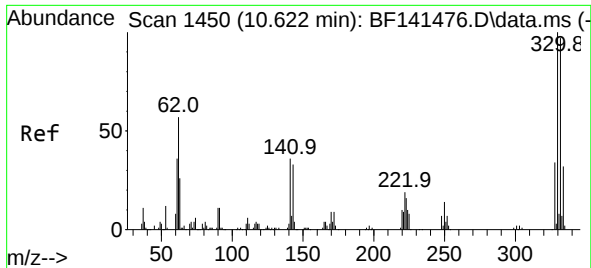
Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Tgt Ion:164 Resp: 165558

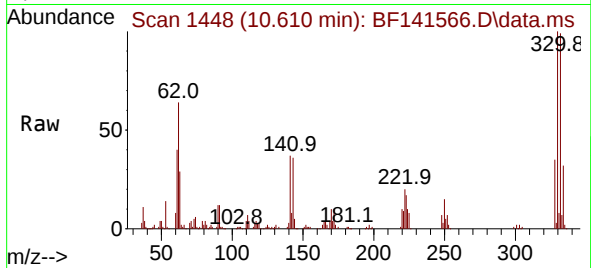
Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.3	121.9
160	46.0	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 89.520 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

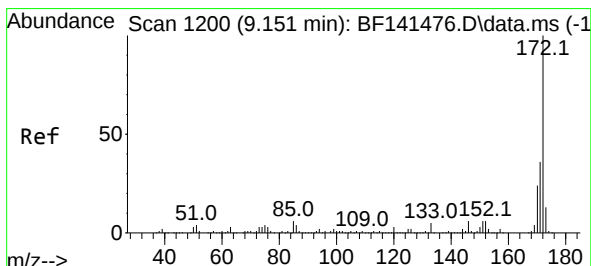
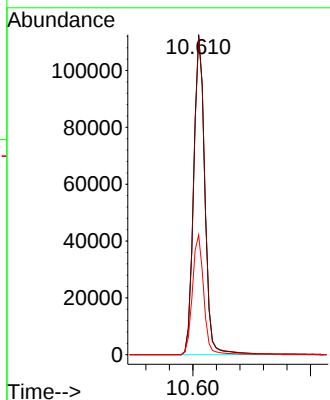
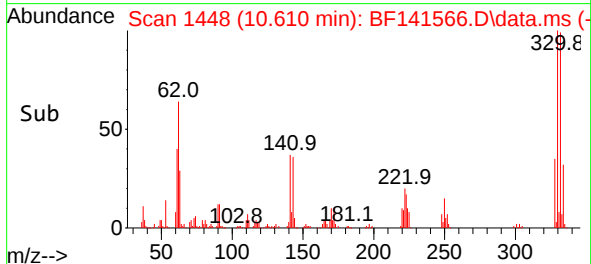
Instrument :
BNA_F
ClientSampleId :
WC-9



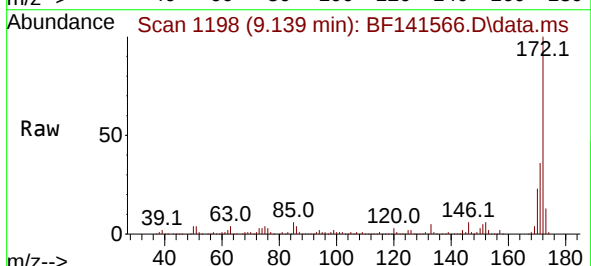
Tgt Ion: 330 Resp: 14888
Ion Ratio Lower Upper
330 100
332 99.1 78.5 117.7
141 37.6 31.0 46.4

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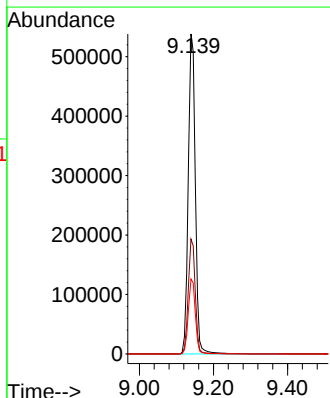
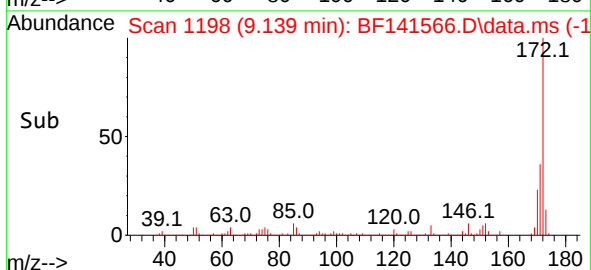
Reviewed By : Jagrut Upadhyay 02/11/2025
Supervised By : mohammad ahmed 02/12/2025



#45
2-Fluorobiphenyl
Concen: 66.251 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08



Tgt Ion: 172 Resp: 711939
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.4 18.9 28.3





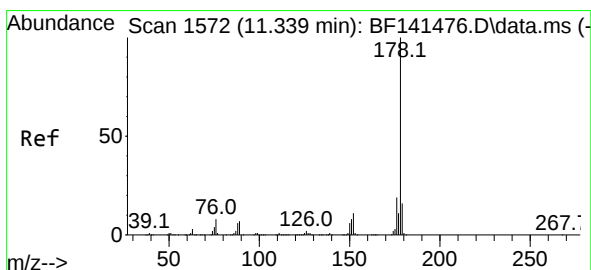
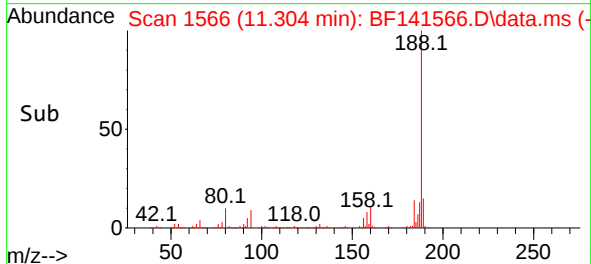
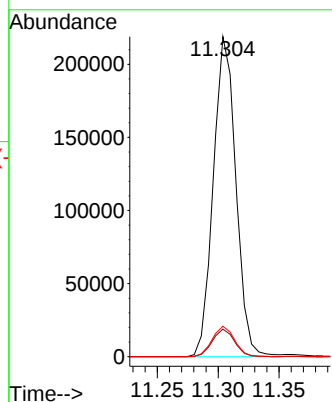
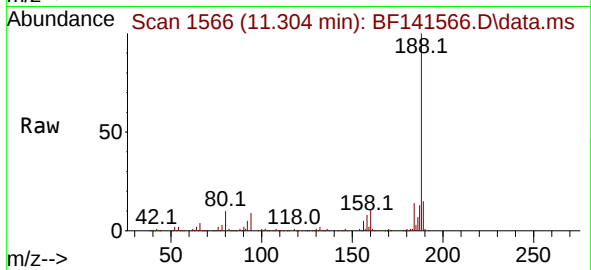
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Instrument :
BNA_F
ClientSampleId :
WC-9

Tgt Ion:188 Resp: 282379
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.5 7.3 10.9

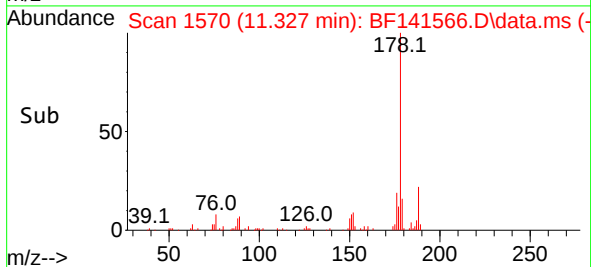
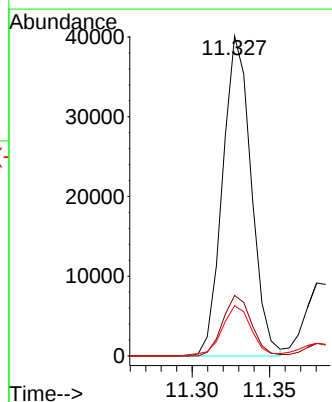
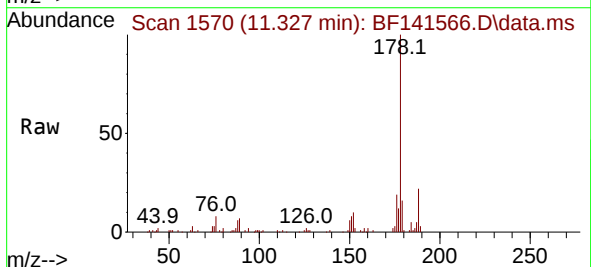
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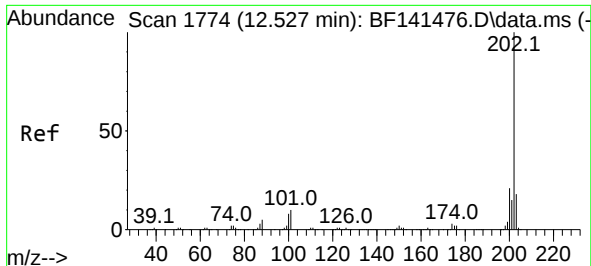
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#71
Phenanthrene
Concen: 3.312 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

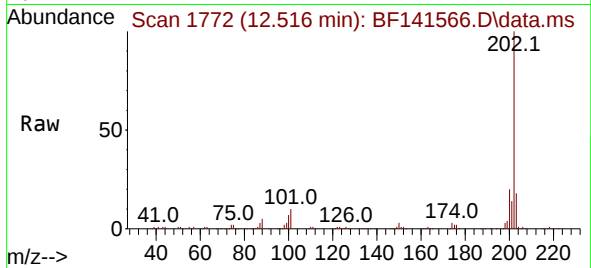
Tgt Ion:178 Resp: 51487
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 8.103 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

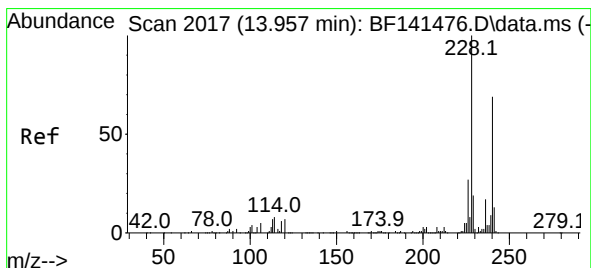
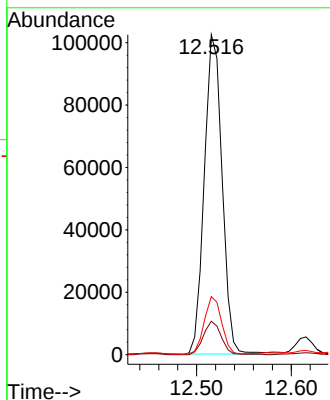
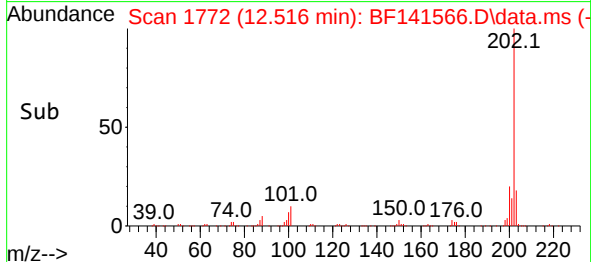
Instrument :
BNA_F
ClientSampleId :
WC-9



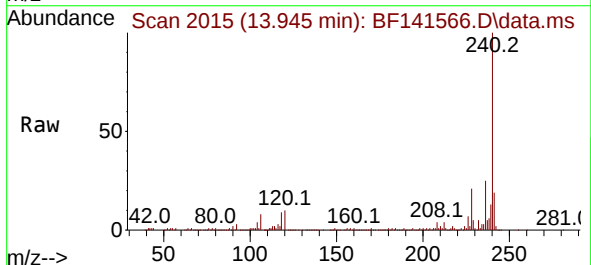
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Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.2
203 18.2 0.0 37.6

Manual Integrations
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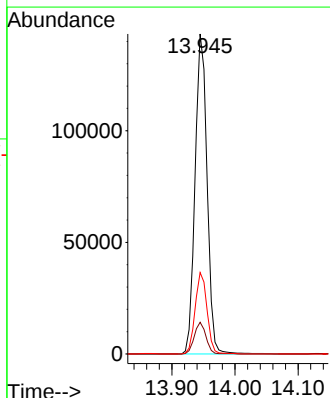
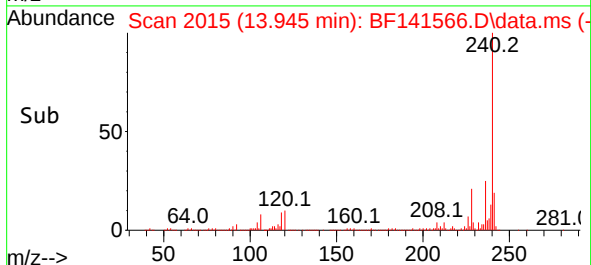
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

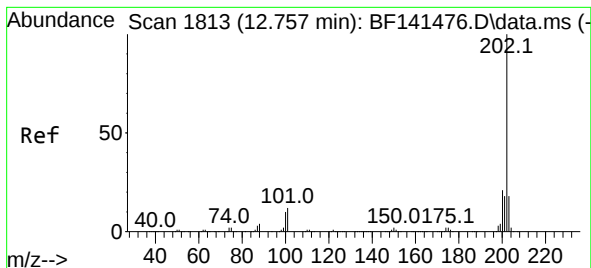


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08



Tgt Ion:240 Resp: 188770
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.4 19.8 29.8





#78

Pyrene

Concen: 7.274 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

WC-9

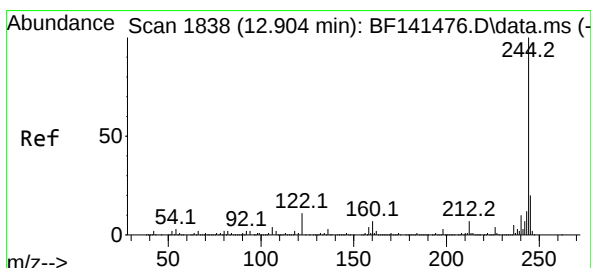
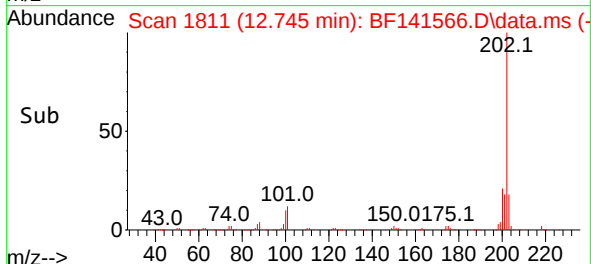
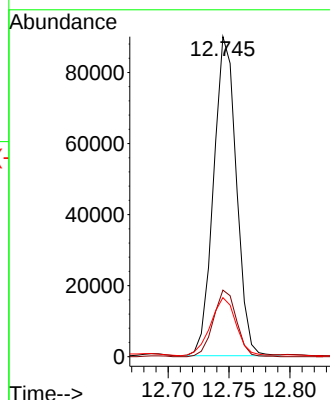
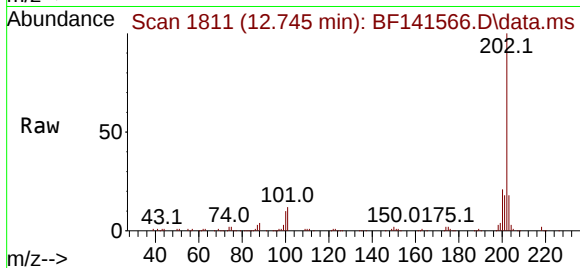
Tgt Ion:202 Resp: 11688

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.5	14.3	21.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 64.404 ng

RT: 12.892 min Scan# 1836

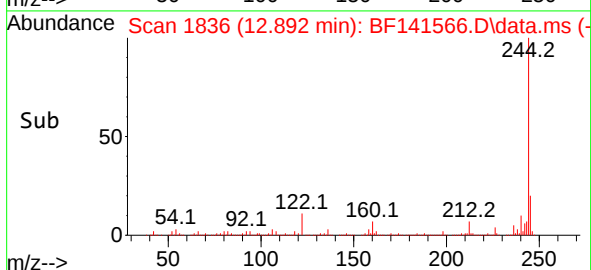
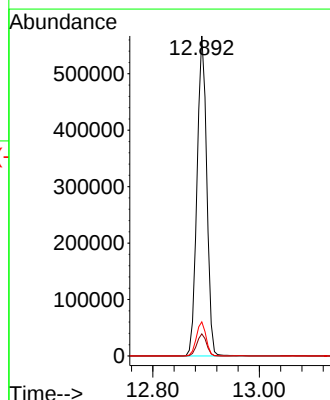
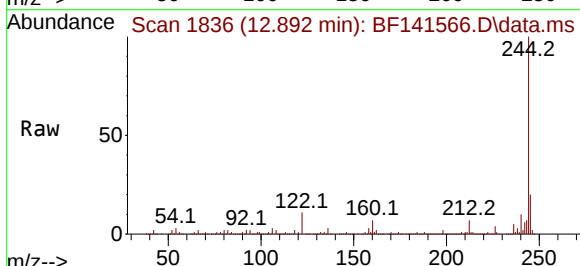
Delta R.T. -0.012 min

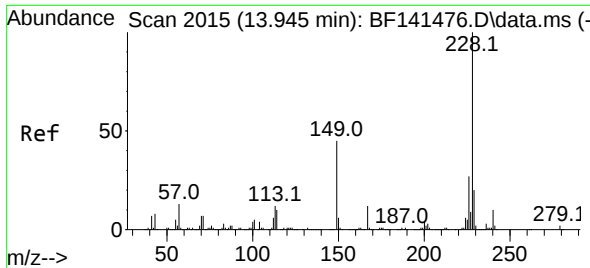
Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Tgt Ion:244 Resp: 720164

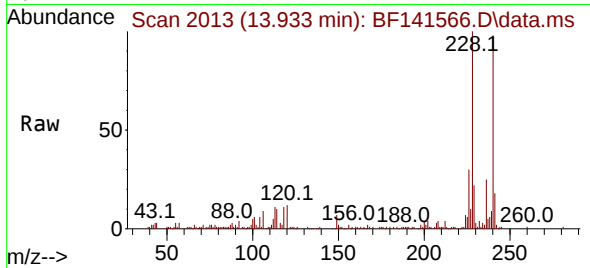
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.6	8.4	12.6





#81
Benzo(a)anthracene
Concen: 5.638 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

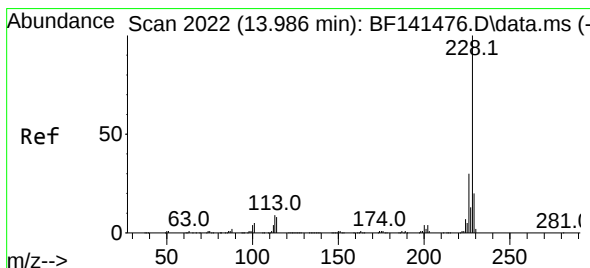
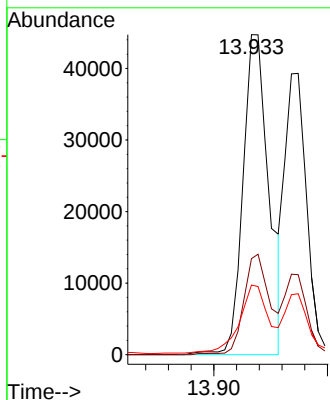
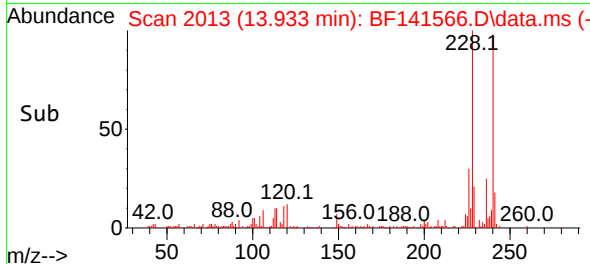
Instrument :
BNA_F
ClientSampleId :
WC-9



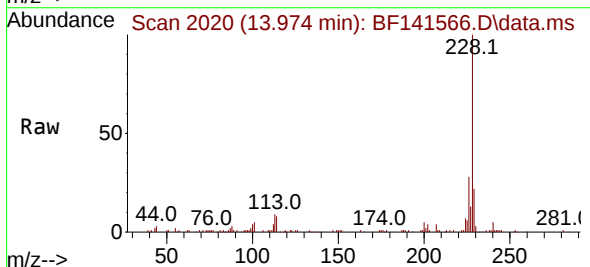
Tgt Ion:228 Resp: 70752
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 21.7 15.8 23.6

Manual Integrations
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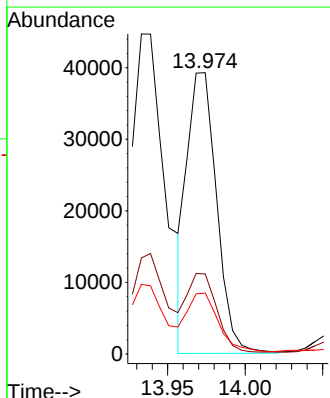
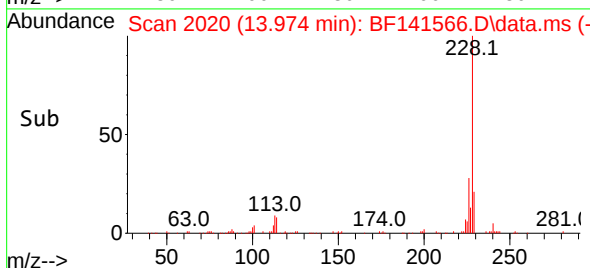
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

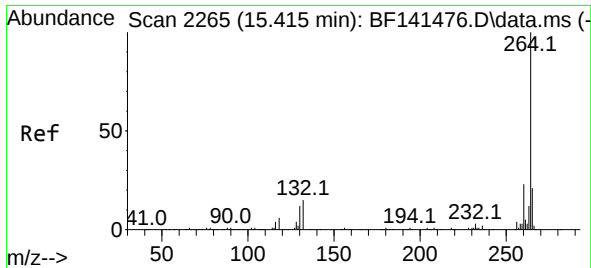


#83
Chrysene
Concen: 4.499 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08



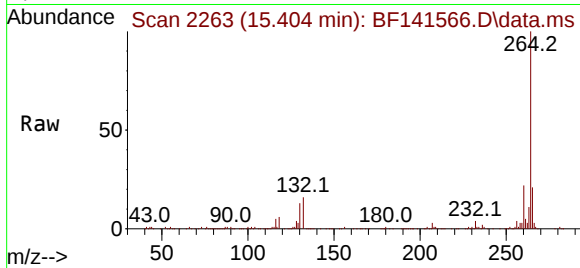
Tgt Ion:228 Resp: 52126
Ion Ratio Lower Upper
228 100
226 28.4 24.0 36.0
229 21.7 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

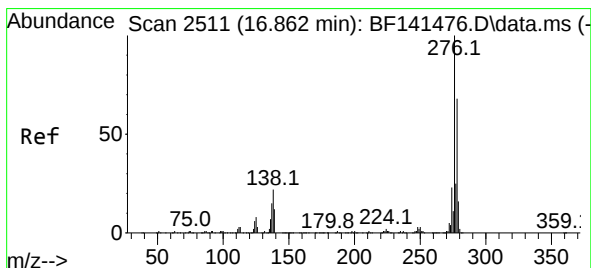
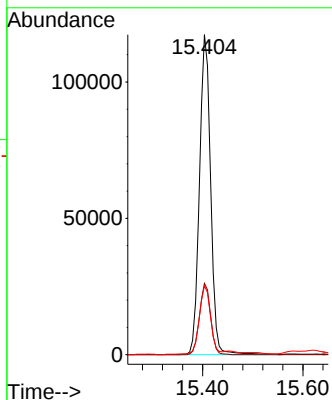
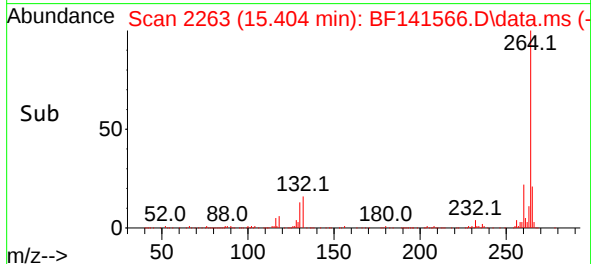
Instrument :
BNA_F
ClientSampleId :
WC-9



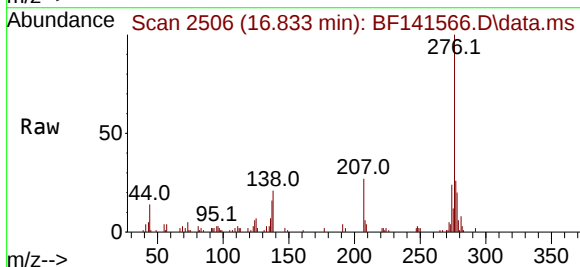
Tgt Ion:264 Resp: 181070
Ion Ratio Lower Upper
264 100
260 22.3 18.6 28.0
265 21.5 17.0 25.4

Manual Integrations
APPROVED

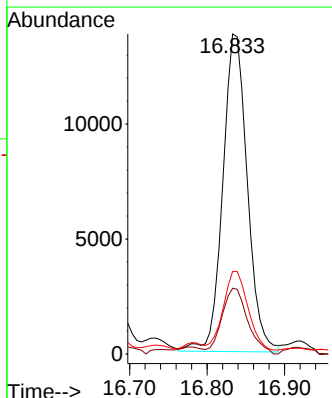
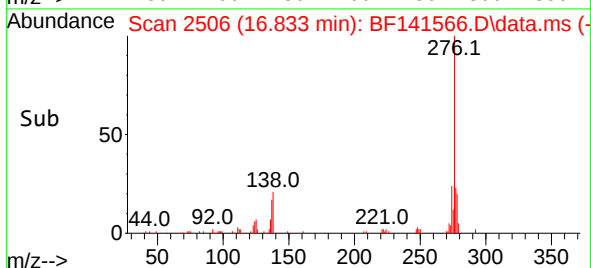
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

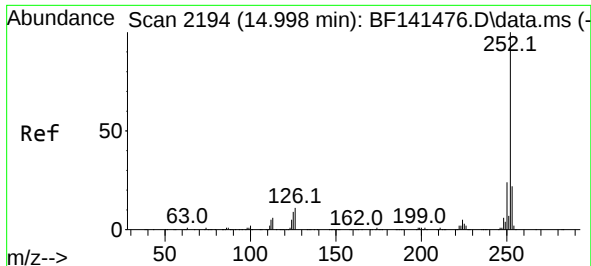


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.729 ng
RT: 16.833 min Scan# 2506
Delta R.T. -0.041 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08



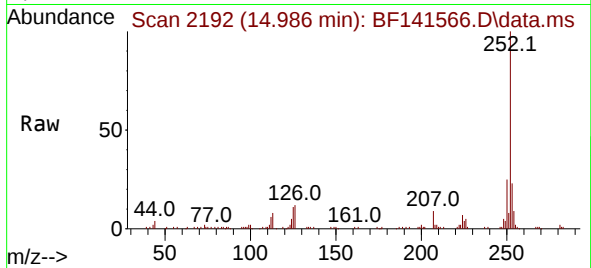
Tgt Ion:276 Resp: 30537
Ion Ratio Lower Upper
276 100
138 21.6 18.0 27.0
277 25.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 5.234 ng m
RT: 14.986 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

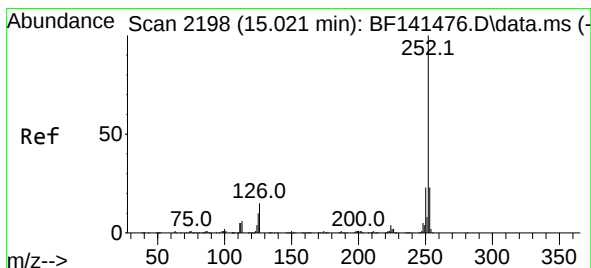
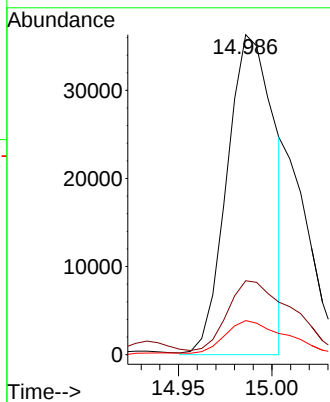
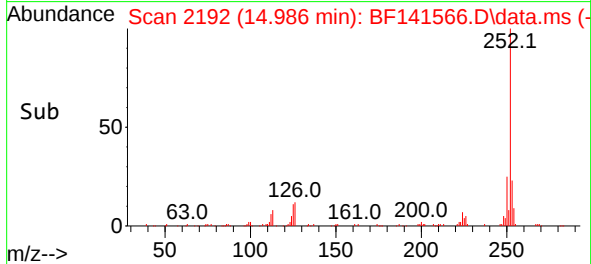
Instrument :
BNA_F
ClientSampleId :
WC-9



Tgt Ion:252 Resp: 63630
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.6 7.0 10.6

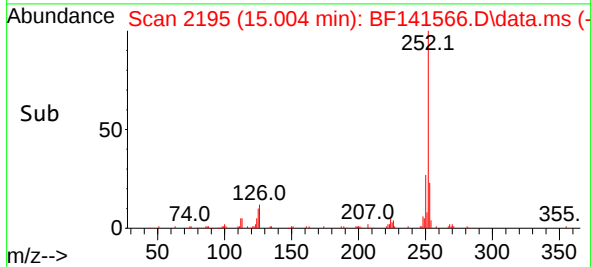
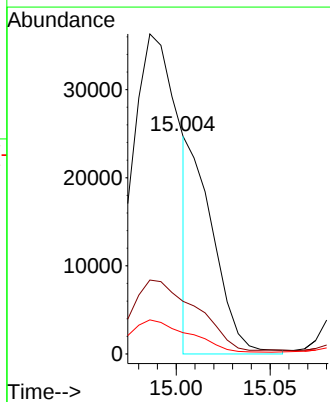
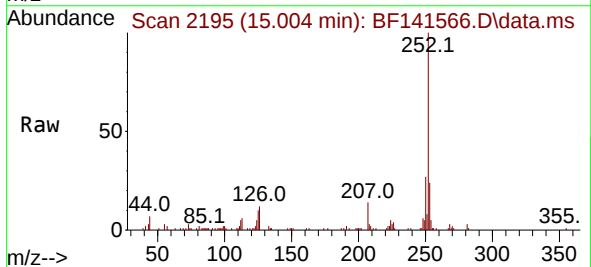
Manual Integrations
APPROVED

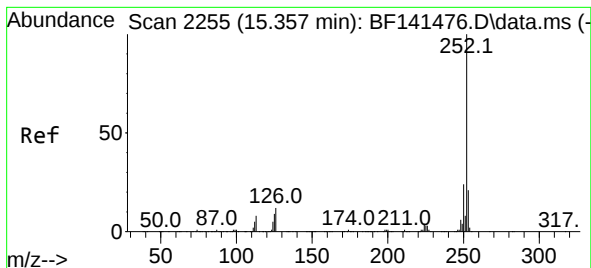
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 2.152 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141566.D
Acq: 11 Feb 2025 17:08

Tgt Ion:252 Resp: 22338
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 9.8 7.4 11.0





#90

Benzo(a)pyrene

Concen: 4.802 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Instrument :

BNA_F

ClientSampleId :

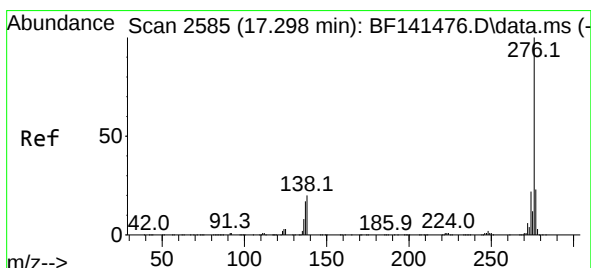
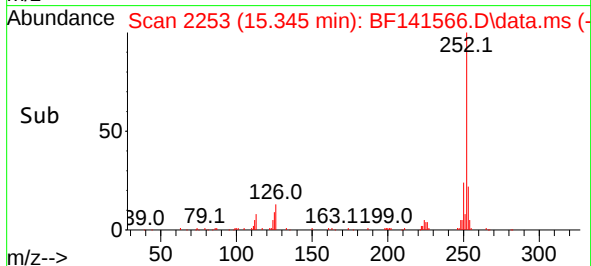
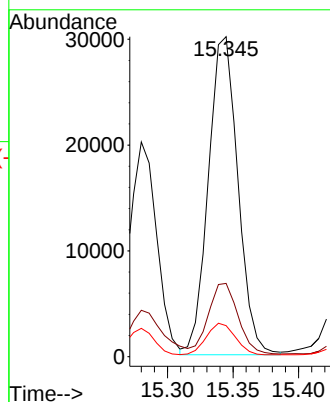
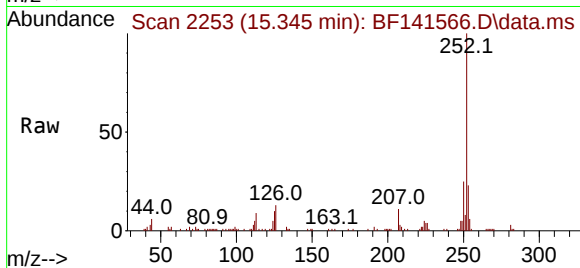
WC-9

Tgt Ion:	252	Resp:	4724
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	9.7	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 2.924 ng

RT: 17.268 min Scan# 2580

Delta R.T. -0.047 min

Lab File: BF141566.D

Acq: 11 Feb 2025 17:08

Tgt Ion:	276	Resp:	27744
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	20.3	15.9	23.9

