

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131985.D
 Acq On : 10 Jan 2023 02:49
 Operator : CG\JU
 Sample : N6244-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-18

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2023
 Supervised By : Jagrut Upadhyay 01/10/2023

Quant Time: Jan 10 04:27:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	54563	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	173238	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	79347	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	137650	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	99343	20.000	ng	# 0.01
86) Perylene-d12	15.474	264	75338	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	324140	97.889	ng	0.00
7) Phenol-d6	6.434	99	404223	92.070	ng	0.00
23) Nitrobenzene-d5	7.357	82	279087	66.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	76943	84.338	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	424966	72.301	ng	0.00
79) Terphenyl-d14	12.933	244	428189	61.777	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	25566	3.563	ng	# 89
75) Fluoranthene	12.557	202	57202	7.088	ng	91
78) Pyrene	12.786	202	54021	5.962	ng	# 90
81) Benzo(a)anthracene	13.986	228	26946	3.728	ng	# 64
83) Chrysene	14.027	228	23524	3.483	ng	# 69
84) Bis(2-ethylhexyl)phtha...	13.969	149	69498	14.026	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.945	276	13726	2.971	ng	# 89
88) Benzo(b)fluoranthene	15.045	252	27225m	5.269	ng	
90) Benzo(a)pyrene	15.410	252	19512	4.191	ng	# 22
92) Benzo(g,h,i)perylene	17.398	276	16652	7.245	ng	# 80

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

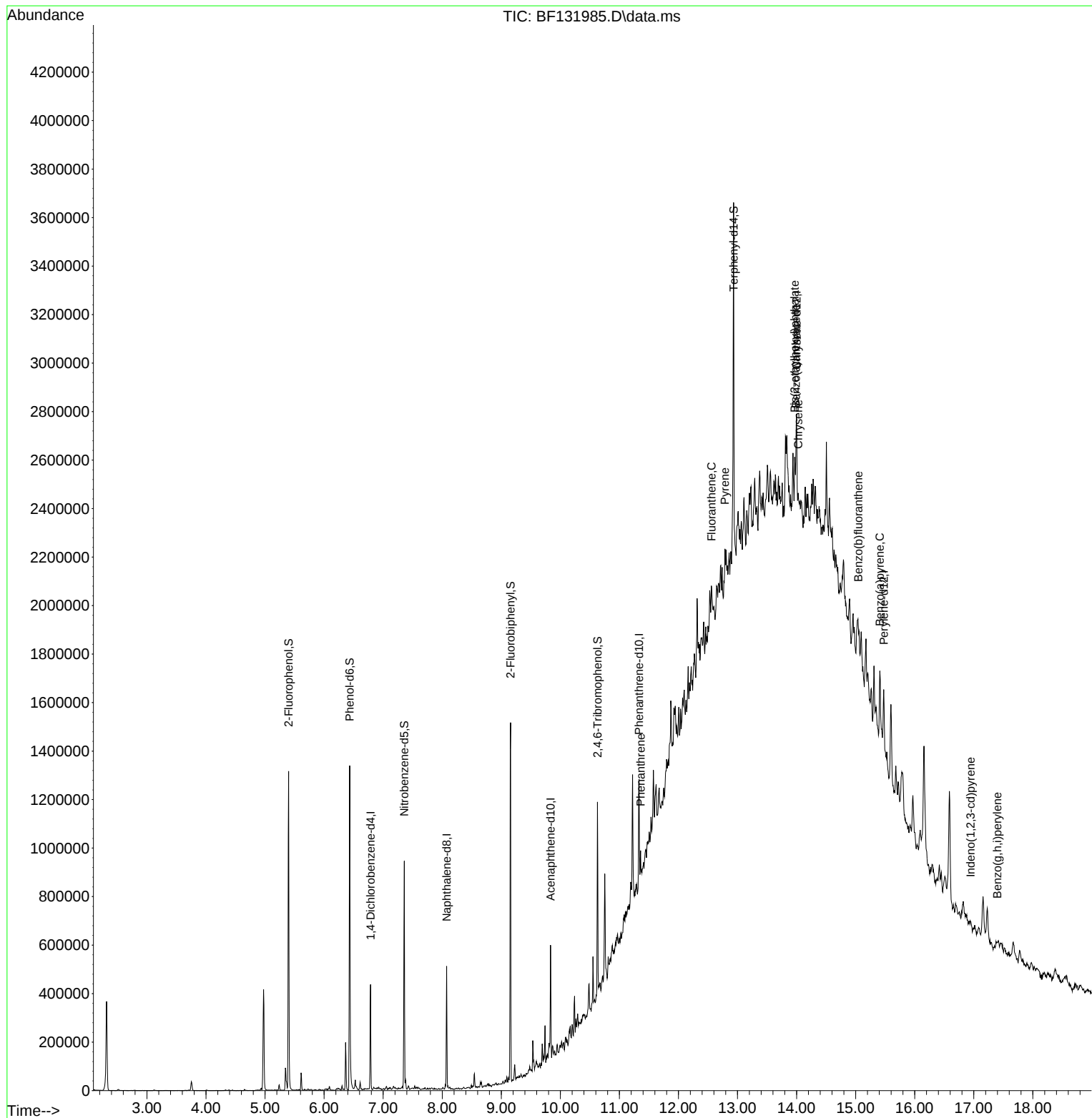
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131985.D
Acq On : 10 Jan 2023 02:49
Operator : CG\JU
Sample : N6244-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

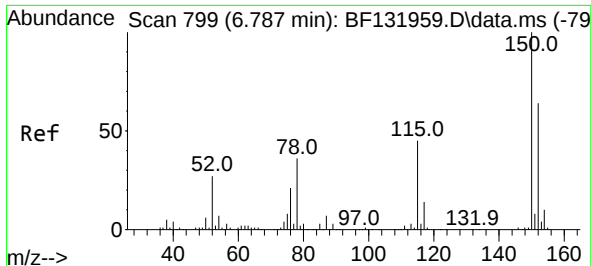
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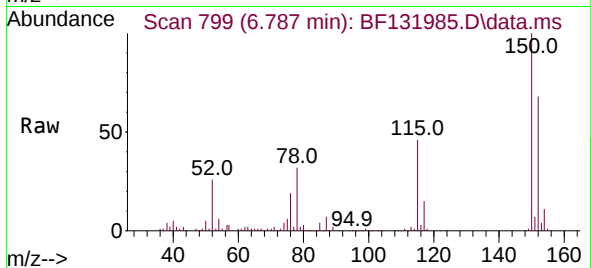
Quant Time: Jan 10 04:27:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

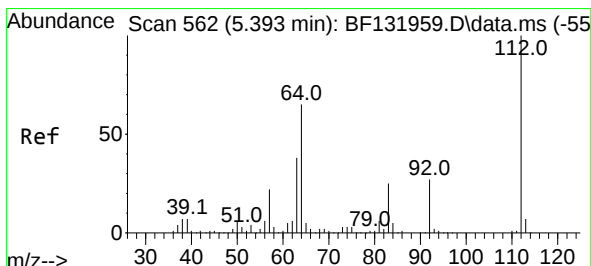
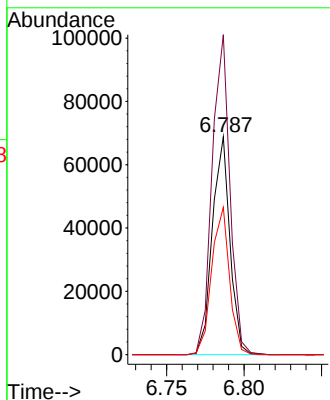
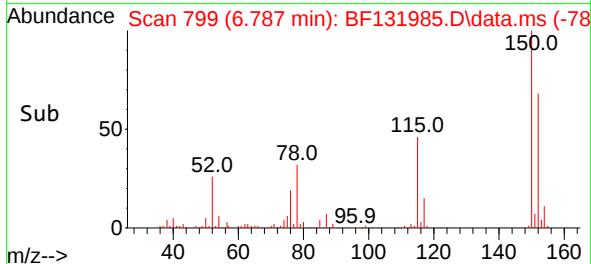
Instrument :
BNA_F
ClientSampleId :
PE-18



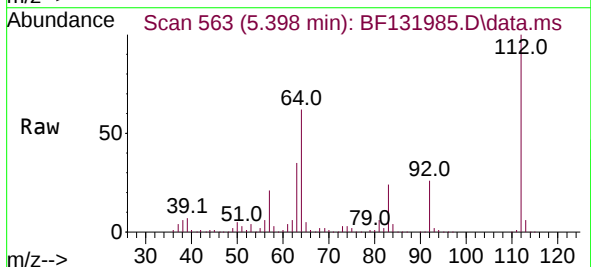
Tgt Ion:152 Resp: 54563
Ion Ratio Lower Upper
152 100
150 146.9 124.6 186.8
115 67.6 55.6 83.4

Manual Integrations
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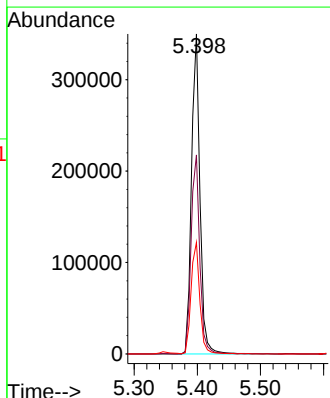
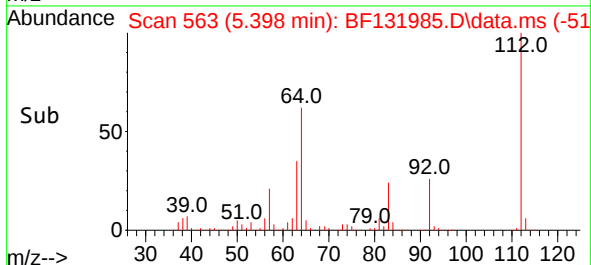
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

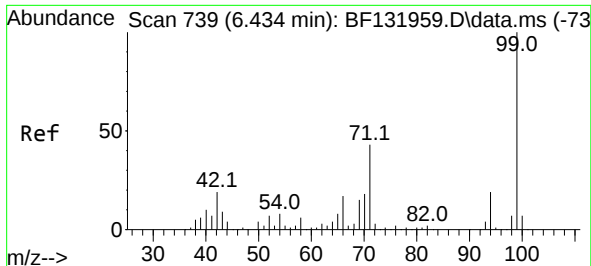


#5
2-Fluorophenol
Concen: 97.889 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49



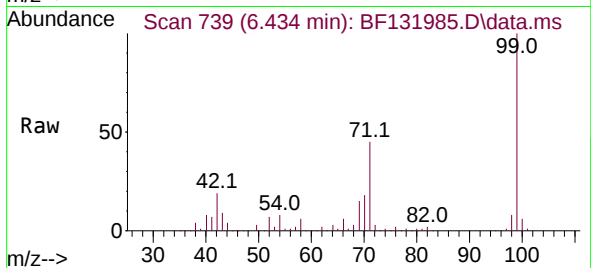
Tgt Ion:112 Resp: 324140
Ion Ratio Lower Upper
112 100
64 62.2 51.9 77.9
63 34.8 30.2 45.2





#7
Phenol-d6
Concen: 92.070 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

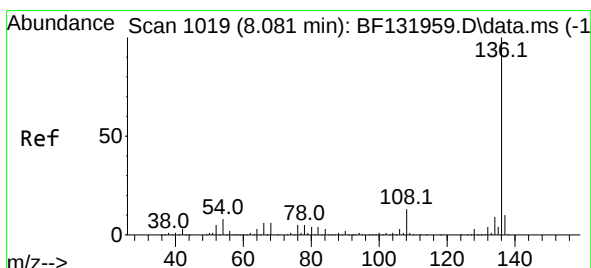
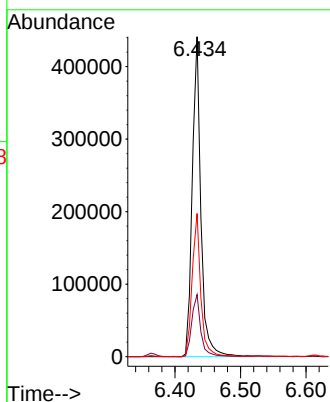
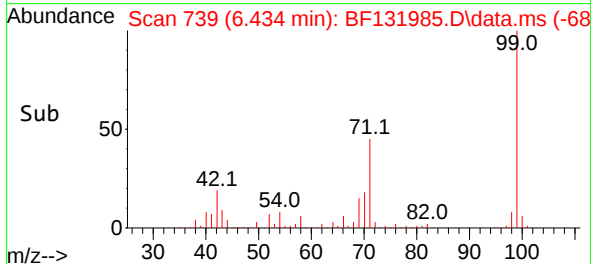
Instrument :
BNA_F
ClientSampleId :
PE-18



Tgt Ion: 99 Resp: 404223
Ion Ratio Lower Upper
99 100
42 19.4 15.4 23.2
71 44.7 34.6 51.8

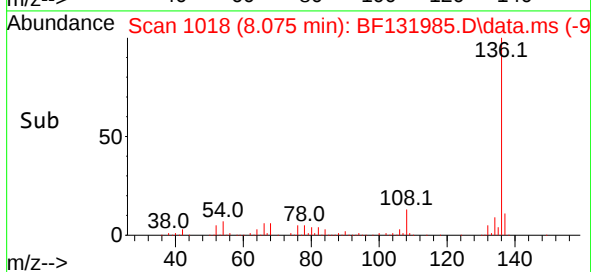
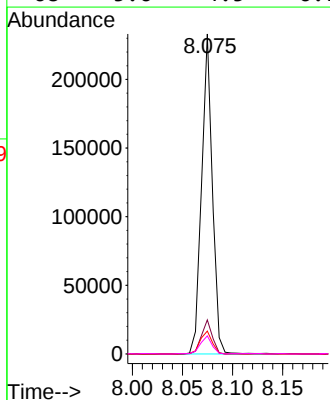
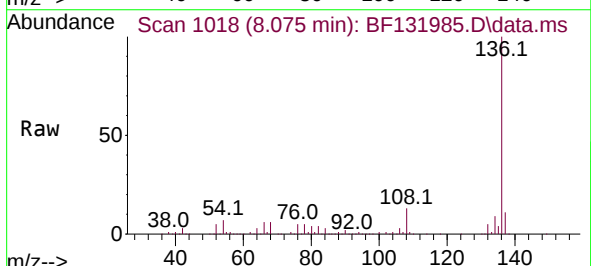
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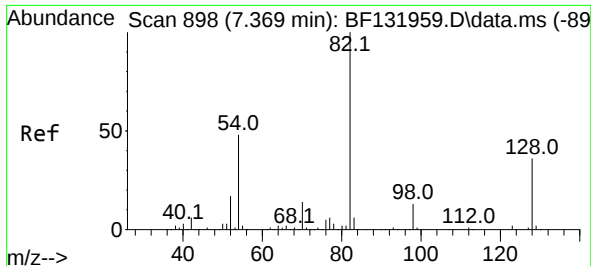
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

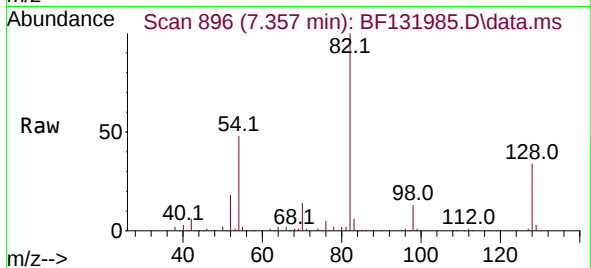
Tgt Ion:136 Resp: 173238
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.2
54 7.1 6.6 9.8
68 5.6 4.5 6.7





#23
Nitrobenzene-d5
Concen: 66.862 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

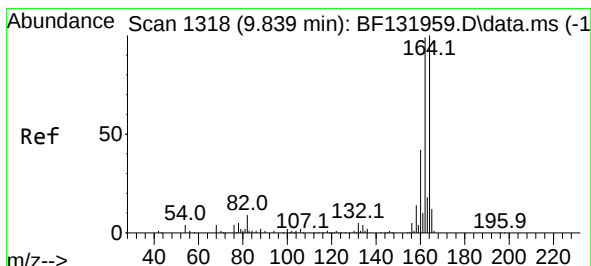
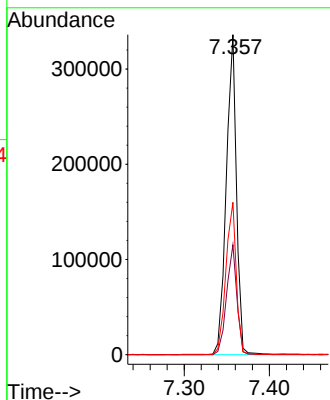
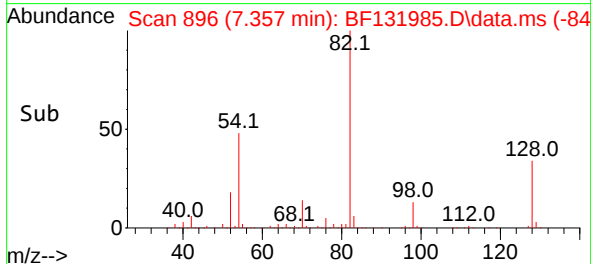
Instrument :
BNA_F
ClientSampleId :
PE-18



Tgt Ion: 82 Resp: 27908
Ion Ratio Lower Upper
82 100
128 34.3 28.7 43.1
54 47.6 38.1 57.1

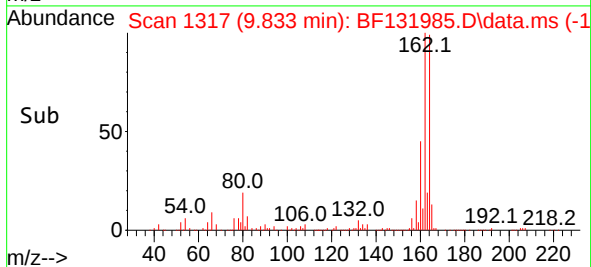
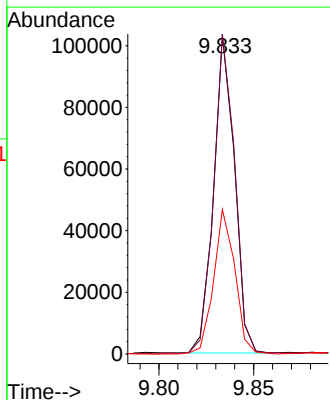
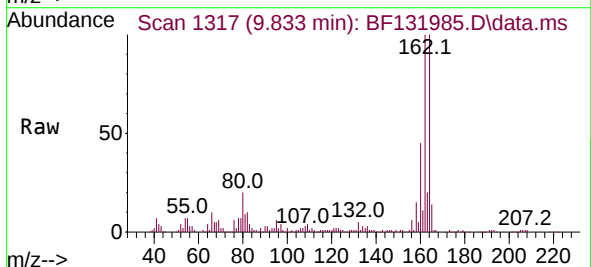
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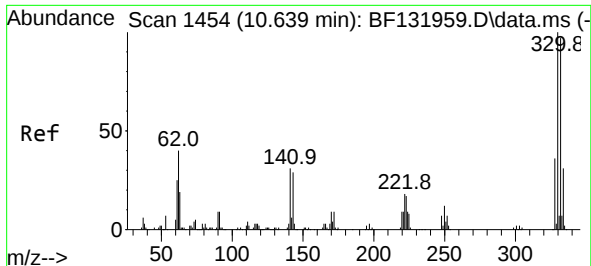
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

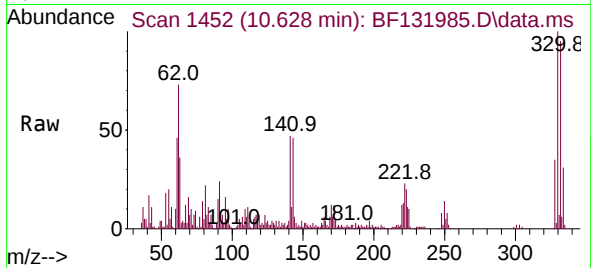
Tgt Ion:164 Resp: 79347
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 45.3 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 84.338 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

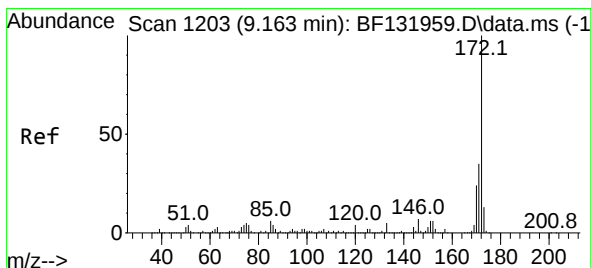
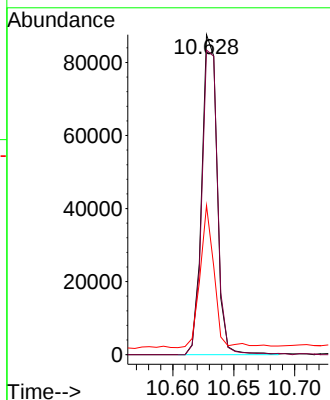
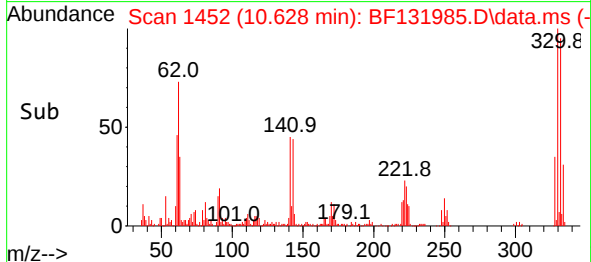
Instrument :
BNA_F
ClientSampleId :
PE-18



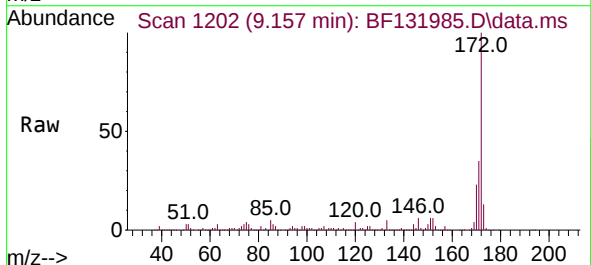
Tgt Ion: 330 Resp: 76943
Ion Ratio Lower Upper
330 100
332 97.7 76.9 115.3
141 39.5 31.3 46.9

Manual Integrations
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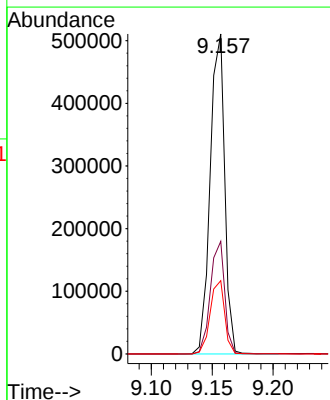
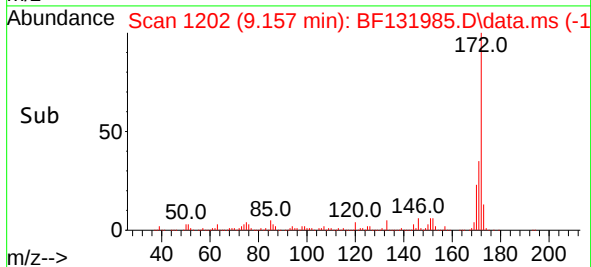
Reviewed By : Christian Giraldo 01/10/2023
Supervised By : Jagrut Upadhyay 01/10/2023

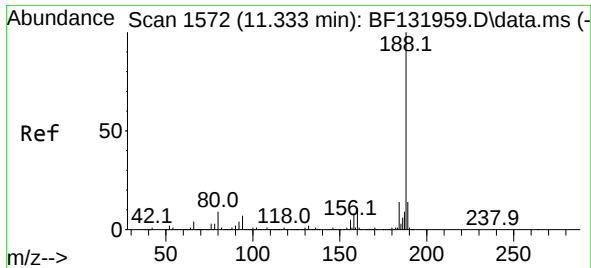


#45
2-Fluorobiphenyl
Concen: 72.301 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49



Tgt Ion: 172 Resp: 424966
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 22.9 18.9 28.3





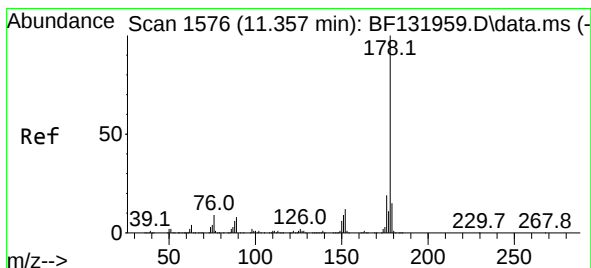
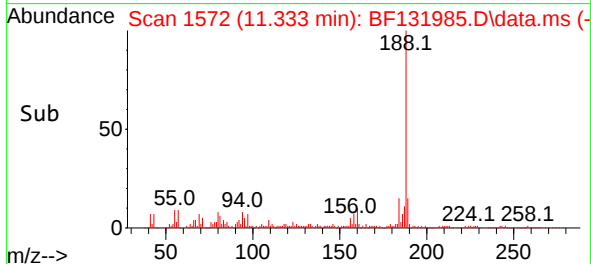
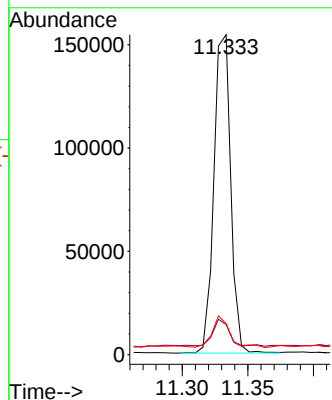
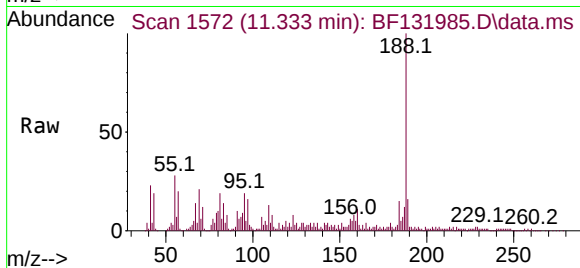
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Instrument :
BNA_F
ClientSampleId :
PE-18

Tgt Ion:188 Resp: 137650
Ion Ratio Lower Upper
188 100
94 9.4 5.8 8.6
80 9.7 7.4 11.0

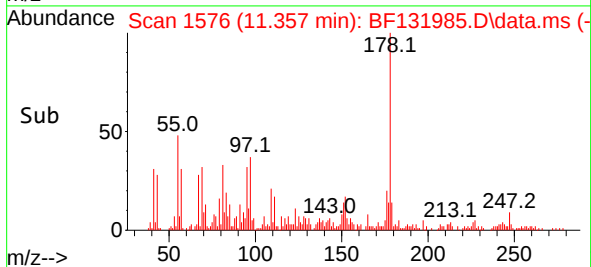
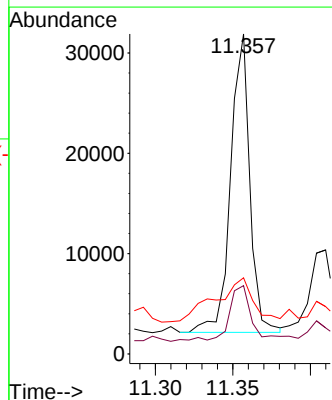
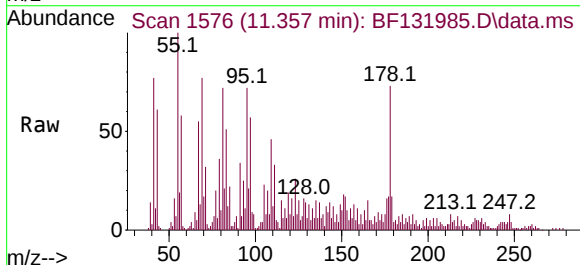
Manual Integrations
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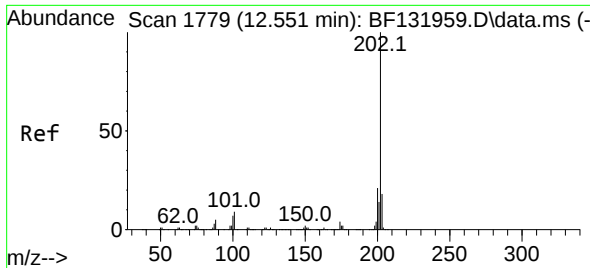
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#71
Phenanthrene
Concen: 3.563 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

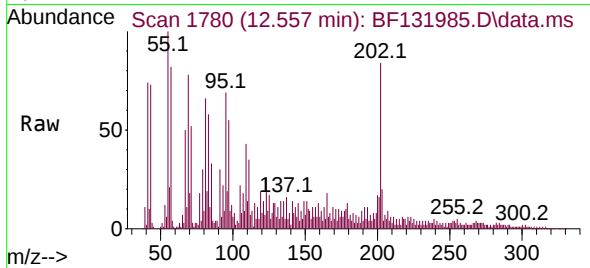
Tgt Ion:178 Resp: 25566
Ion Ratio Lower Upper
178 100
176 21.3 15.5 23.3
179 23.8 12.4 18.6#





#75
Fluoranthene
Concen: 7.088 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

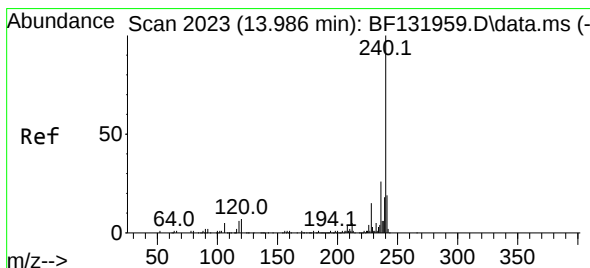
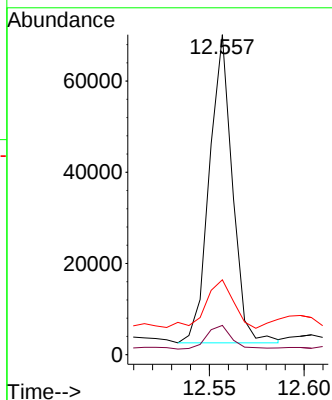
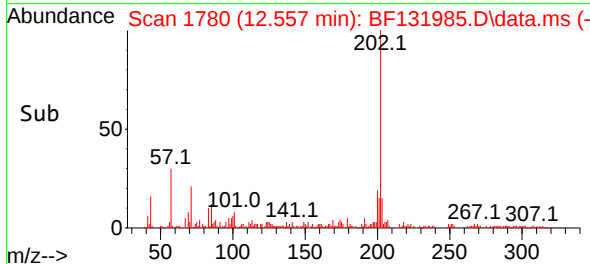
Instrument :
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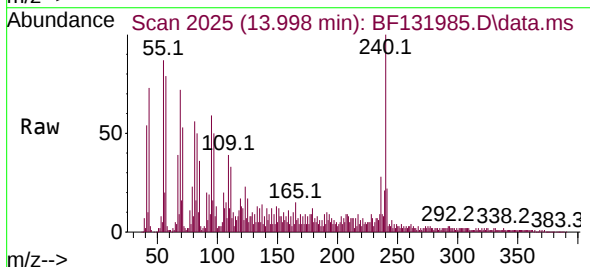
Tgt Ion:202 Resp: 57202
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.8
203 23.4 0.0 37.6

Manual Integrations
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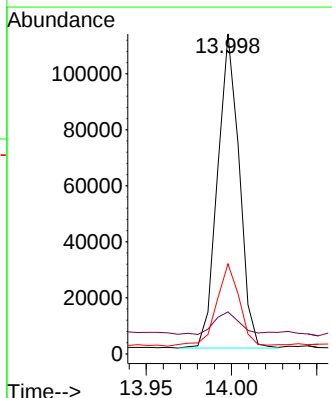
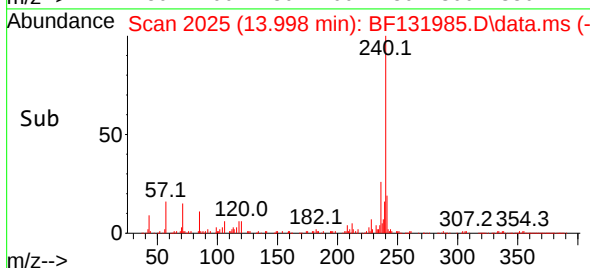
Reviewed By :Christian Giraldo 01/10/2023
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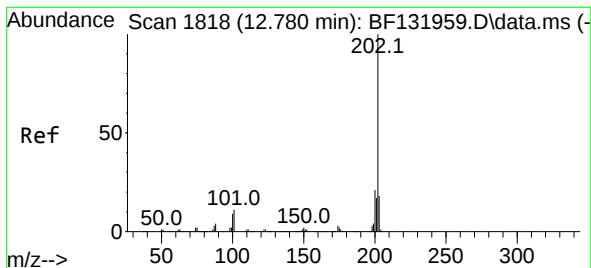


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49



Tgt Ion:240 Resp: 99343
Ion Ratio Lower Upper
240 100
120 13.1 5.4 8.0#
236 28.1 21.1 31.7





#78

Pyrene

Concen: 5.962 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

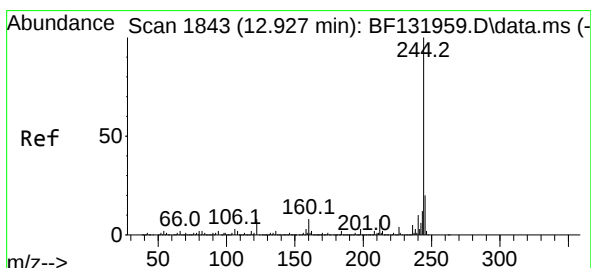
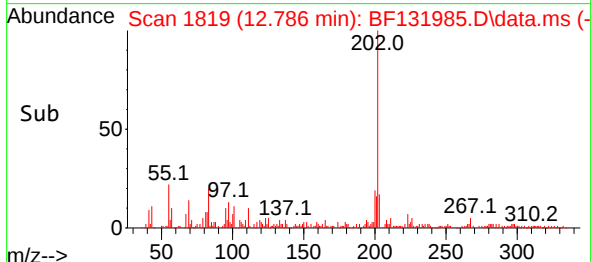
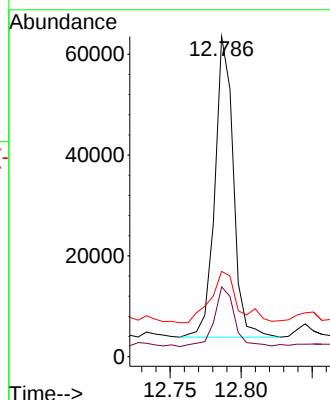
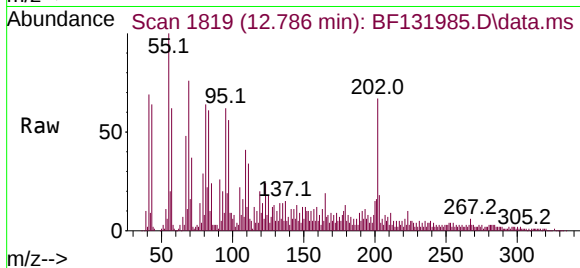
Tgt Ion:	202	Resp:	54021
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.0	25.6
203	26.6	14.1	21.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/10/2023



#79

Terphenyl-d14

Concen: 61.777 ng

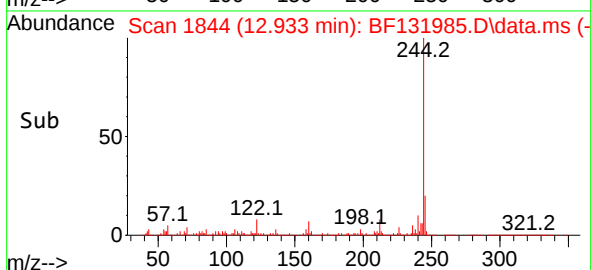
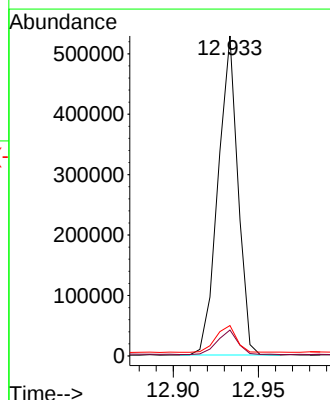
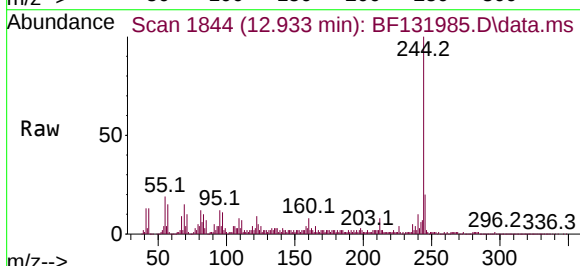
RT: 12.933 min Scan# 1844

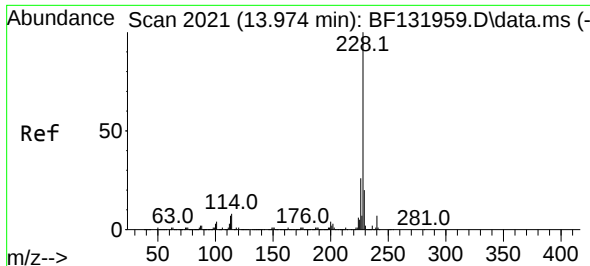
Delta R.T. 0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

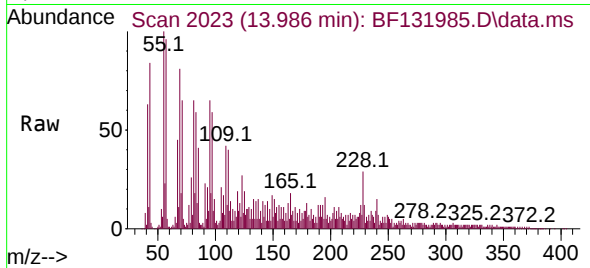
Tgt Ion:	244	Resp:	428189
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.3	9.5
122	9.5	6.8	10.2





#81
Benzo(a)anthracene
Concen: 3.728 ng
RT: 13.986 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

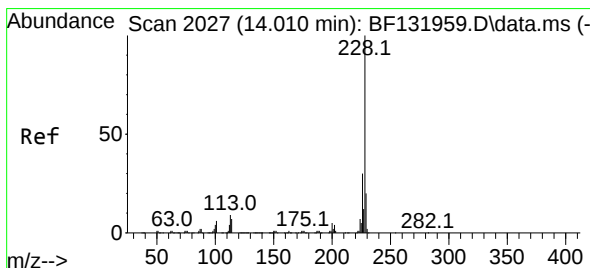
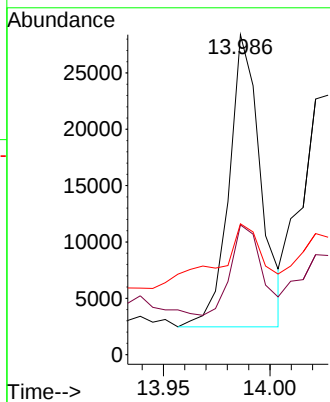
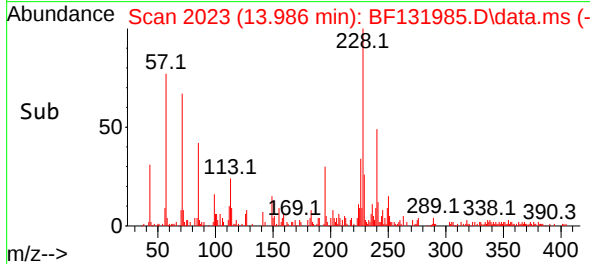
Instrument :
BNA_F
ClientSampleId :
PE-18



Tgt Ion:228 Resp: 26946
Ion Ratio Lower Upper
228 100
226 40.5 21.0 31.4#
229 40.9 15.8 23.6#

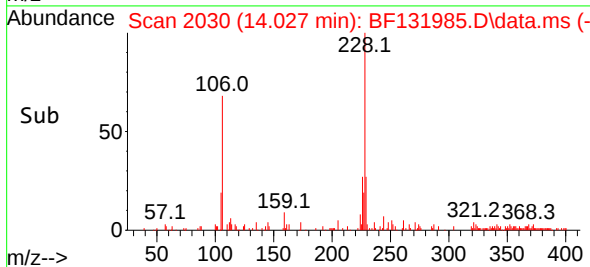
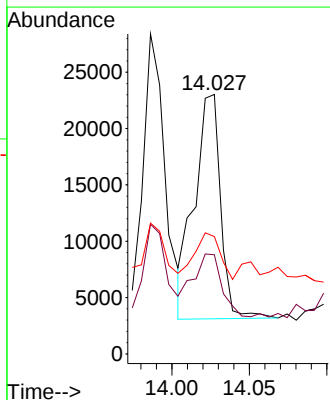
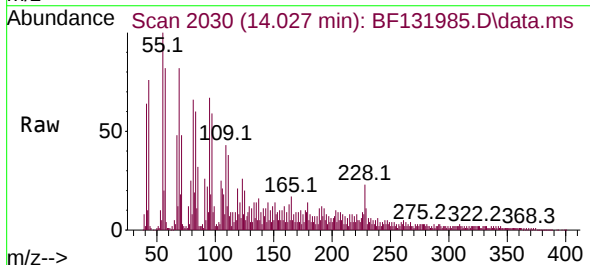
Manual Integrations
APPROVED

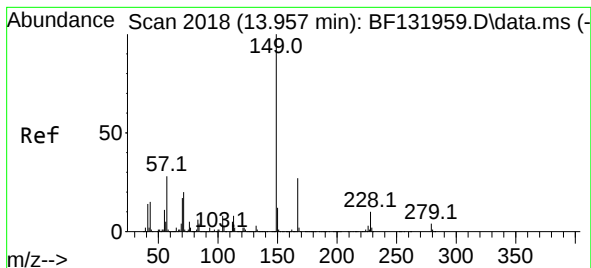
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#83
Chrysene
Concen: 3.483 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.018 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Tgt Ion:228 Resp: 23524
Ion Ratio Lower Upper
228 100
226 38.2 24.0 36.0#
229 45.2 16.2 24.4#





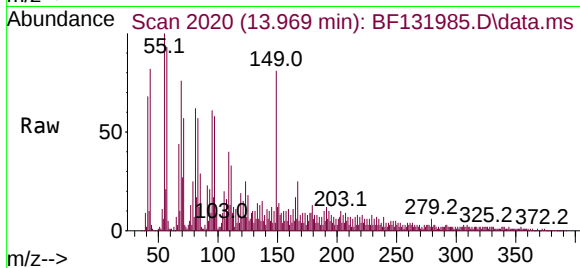
#84
Bis(2-ethylhexyl)phthalate
Concen: 14.026 ng
RT: 13.969 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

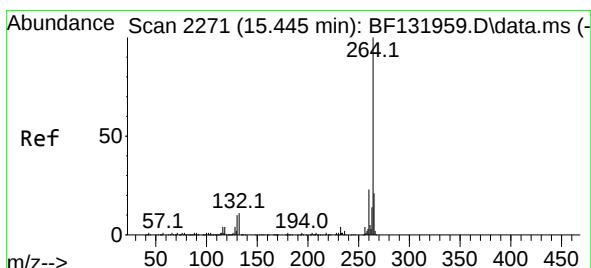
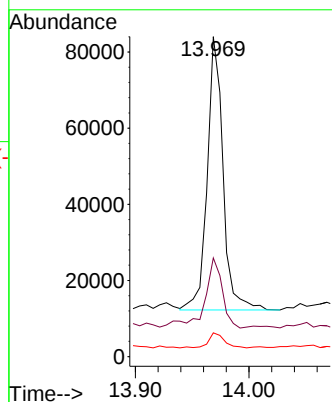
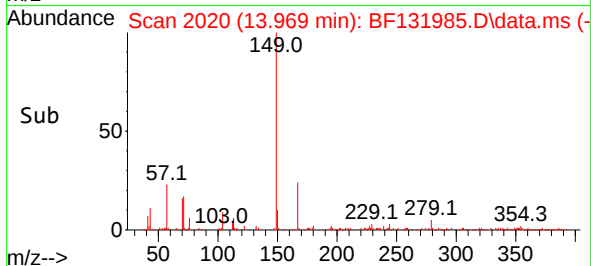


Tgt Ion:149 Resp: 69498
Ion Ratio Lower Upper
149 100
167 30.8 21.3 31.9
279 7.4 3.2 4.8

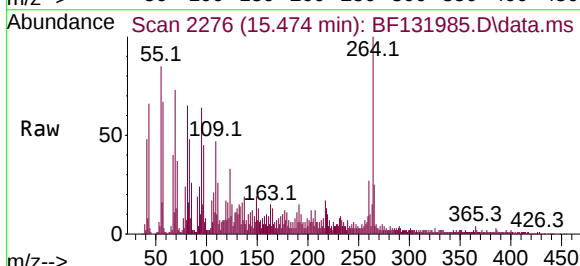
Manual Integrations

APPROVED

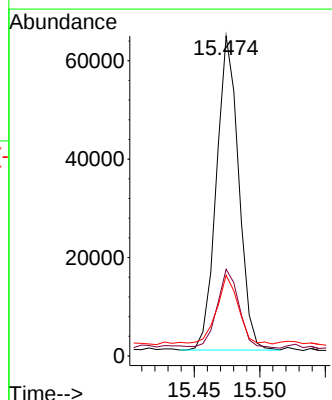
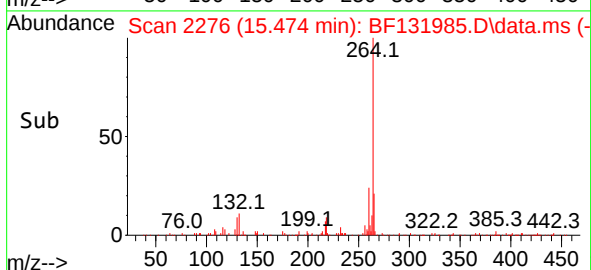
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

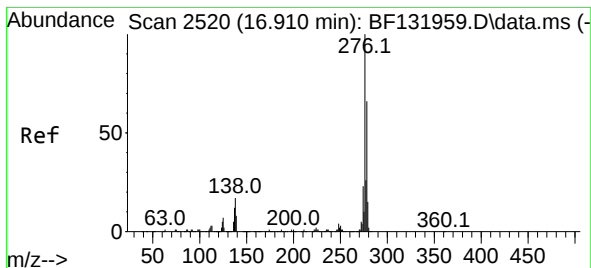


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.029 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49



Tgt Ion:264 Resp: 75338
Ion Ratio Lower Upper
264 100
260 27.1 18.3 27.5
265 25.2 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.971 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

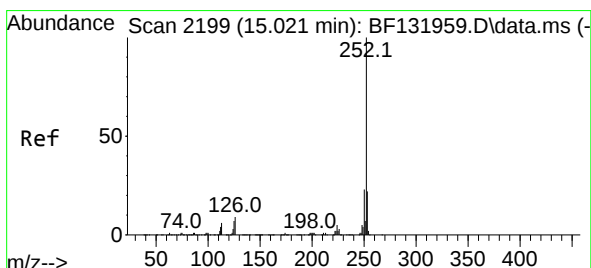
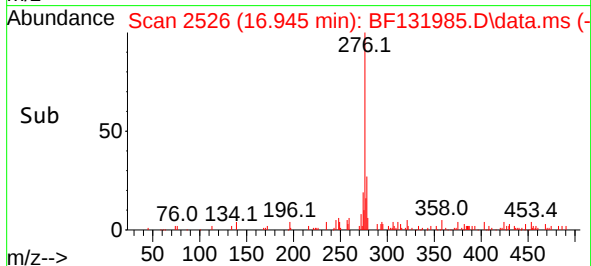
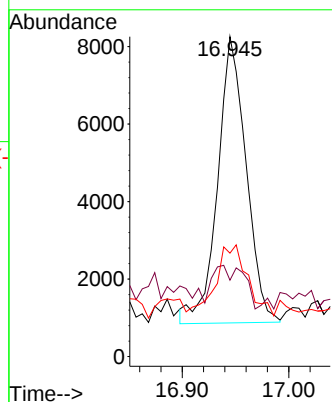
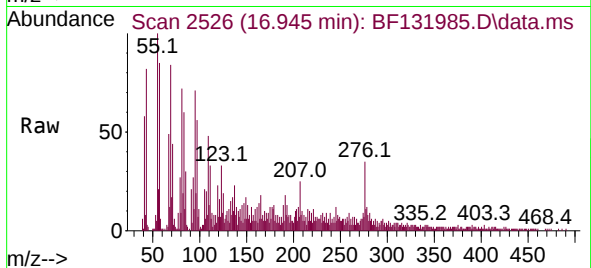
Tgt Ion:	276	Resp:	13726
Ion Ratio	Lower	Upper	
276	100		
138	8.1	14.2	21.2
277	27.2	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#88

Benzo(b)fluoranthene

Concen: 5.269 ng m

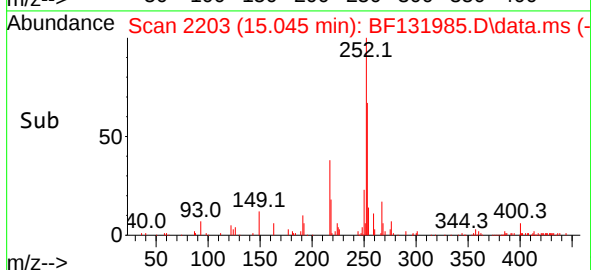
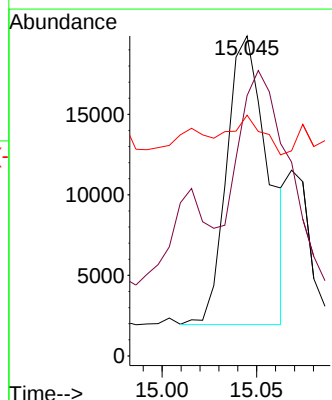
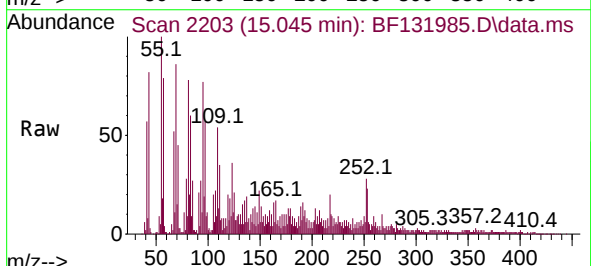
RT: 15.045 min Scan# 2203

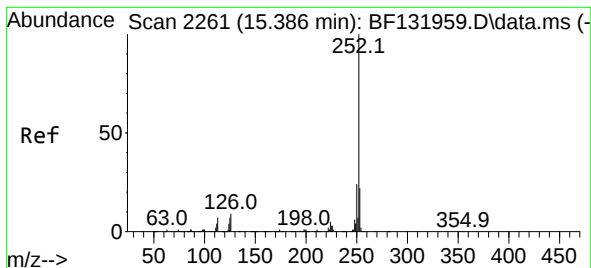
Delta R.T. 0.023 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Tgt Ion:	252	Resp:	27225
Ion Ratio	Lower	Upper	
252	100		
253	81.3	18.0	27.0
125	75.2	5.8	8.6





#90

Benzo(a)pyrene

Concen: 4.191 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.023 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

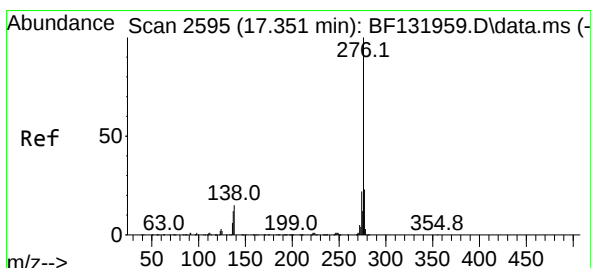
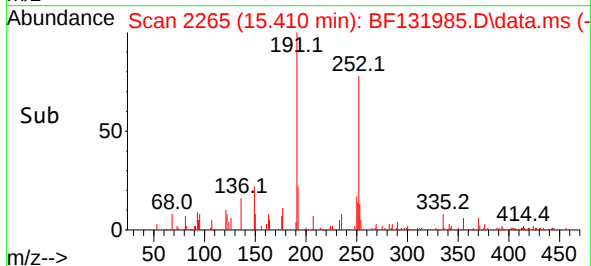
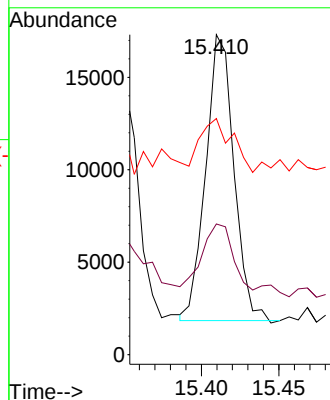
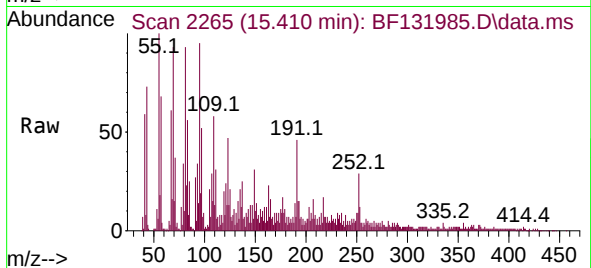
Tgt Ion:	252	Resp:	19512
Ion Ratio	Lower	Upper	
252	100		
253	40.8	17.4	26.0#
125	73.8	5.7	8.5#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#92

Benzo(g,h,i)perylene

Concen: 7.245 ng

RT: 17.398 min Scan# 2603

Delta R.T. 0.047 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Tgt Ion:	276	Resp:	16652
Ion Ratio	Lower	Upper	
276	100		
277	30.4	18.2	27.2#
138	25.1	11.7	17.5#

