

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133514.D
 Acq On : 26 May 2023 23:14
 Operator : CG\JU
 Sample : 02938-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-052423

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/30/2023
 Supervised By : Jagrut Upadhyay 05/31/2023

Quant Time: May 27 01:13:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	129402	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	465425	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	185915	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	312891	20.000	ng	0.00
76) Chrysene-d12	14.004	240	224666	20.000	ng	0.00
86) Perylene-d12	15.462	264	174049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	600472	77.423	ng	0.00
7) Phenol-d6	6.457	99	712241	74.600	ng	0.00
23) Nitrobenzene-d5	7.398	82	442340	63.457	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	136506	73.658	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	752740	62.491	ng	0.00
79) Terphenyl-d14	12.951	244	680326	53.840	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.574	202	39967	2.283	ng	98
78) Pyrene	12.804	202	53020	2.773	ng	99
81) Benzo(a)anthracene	13.992	228	36185	2.418	ng	# 79
83) Chrysene	14.027	228	39307	2.602	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.915	276	29286	2.642	ng	94
88) Benzo(b)fluoranthene	15.039	252	57609m	5.083	ng	
90) Benzo(a)pyrene	15.398	252	37843	3.669	ng	# 84
92) Benzo(g,h,i)perylene	17.351	276	33265	3.670	ng	# 86

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

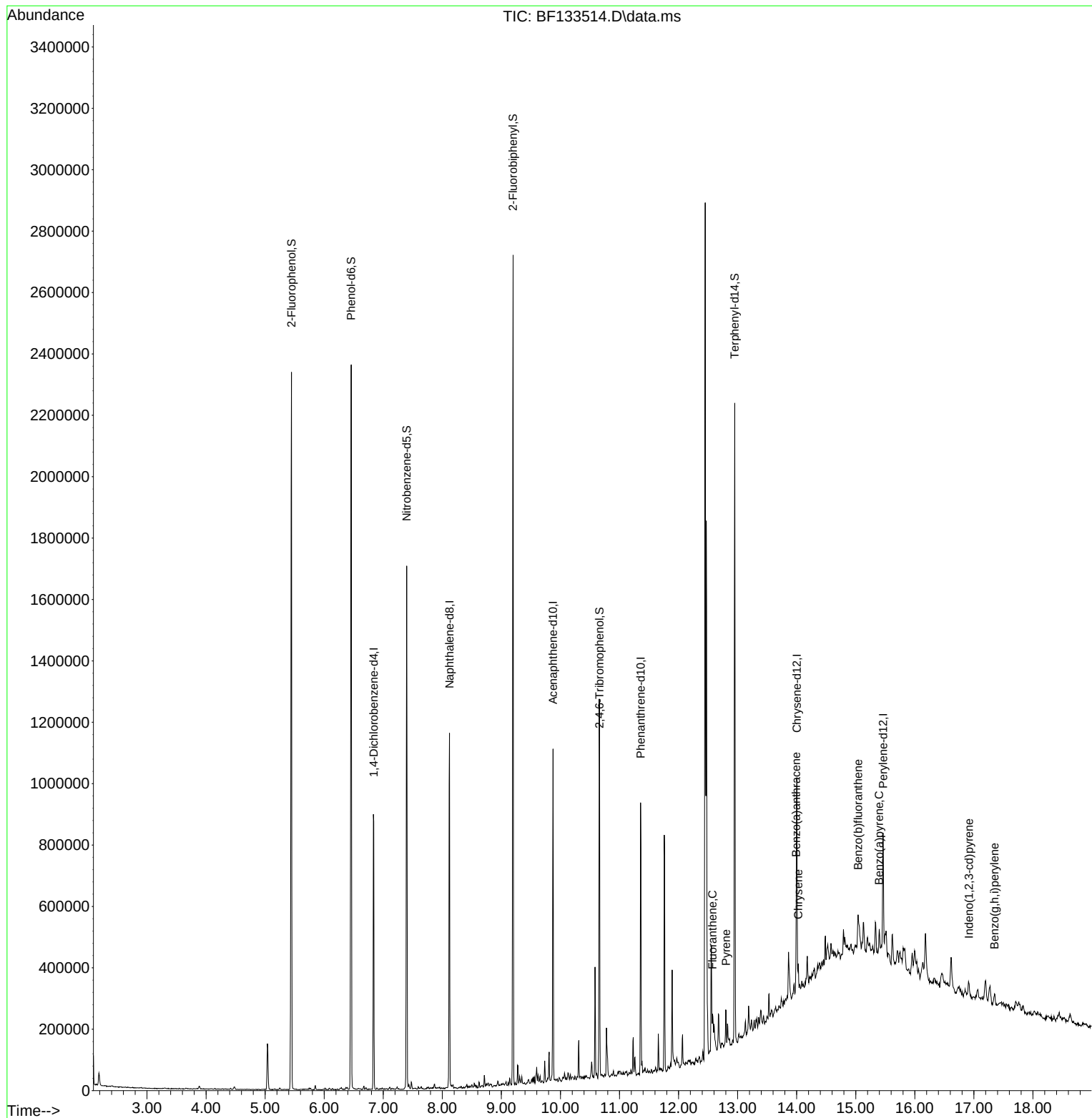
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
Data File : BF133514.D
Acq On : 26 May 2023 23:14
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Sample : 02938-01
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ALS Vial : 16 Sample Multiplier: 1

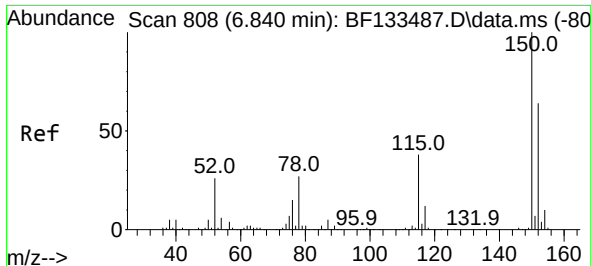
Instrument :
BNA_F
ClientSampleId :
SU-04-052423

Quant Time: May 27 01:13:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 25 23:30:55 2023
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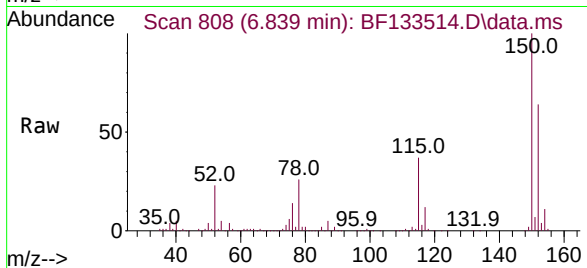
Reviewed By : Christian Giraldo 05/30/2023
Supervised By : Jagrut Upadhyay 05/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

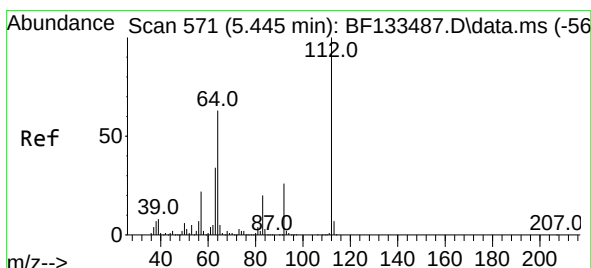
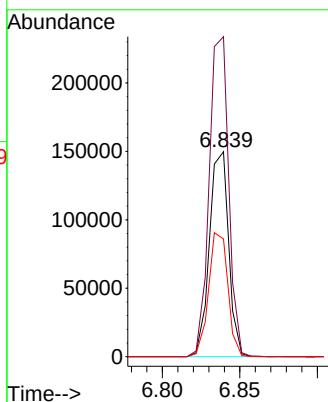
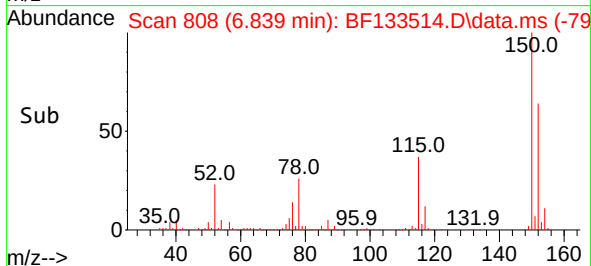
Instrument :
BNA_F
ClientSampleId :
SU-04-052423



Tgt Ion:152 Resp: 129402
Ion Ratio Lower Upper
152 100
150 156.1 124.9 187.3
115 57.5 48.1 72.1

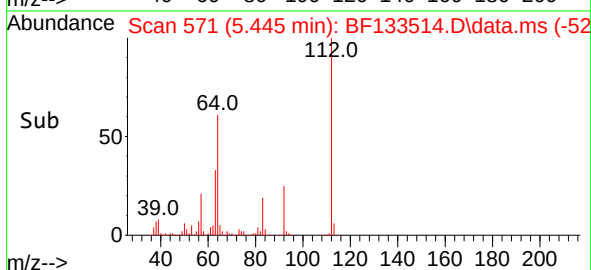
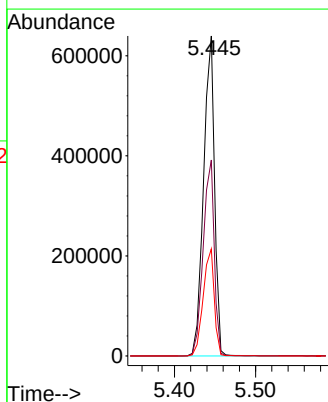
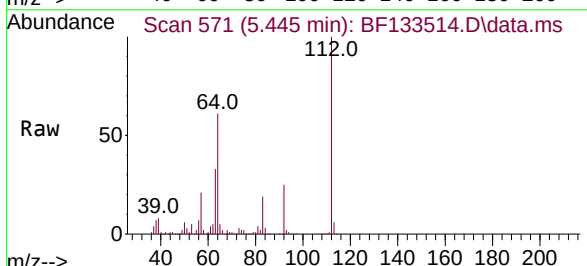
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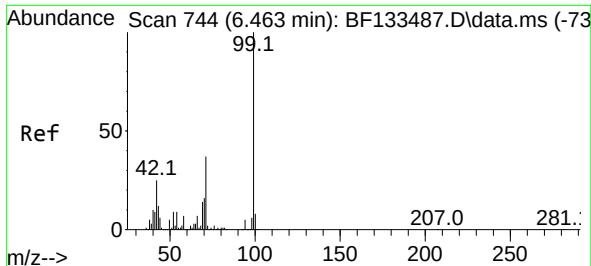
Reviewed By :Christian Giraldo 05/30/2023
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#5
2-Fluorophenol
Concen: 77.423 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

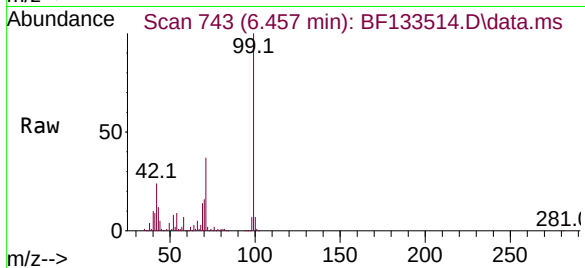
Tgt Ion:112 Resp: 600472
Ion Ratio Lower Upper
112 100
64 61.3 50.1 75.1
63 33.5 27.5 41.3





#7
Phenol-d6
Concen: 74.600 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

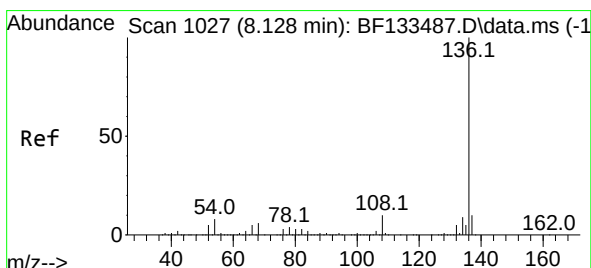
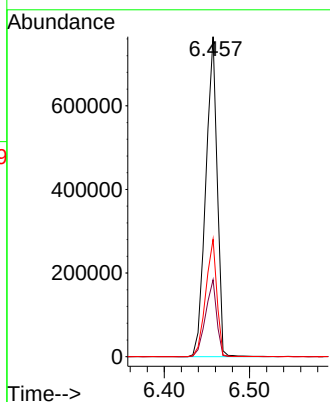
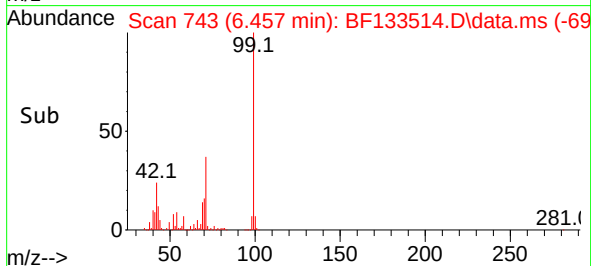
Instrument :
BNA_F
ClientSampleId :
SU-04-052423



Tgt Ion: 99 Resp: 71224
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 36.7 29.8 44.8

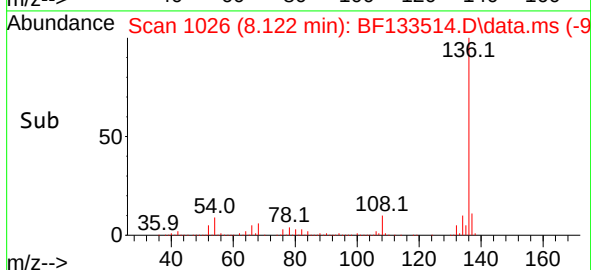
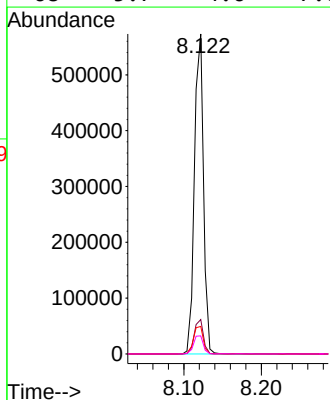
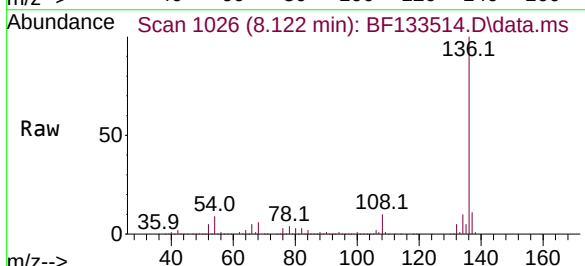
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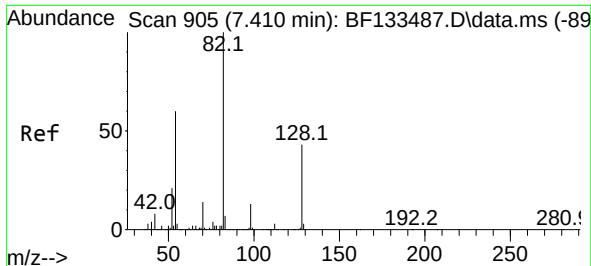
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:136 Resp: 465425
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.6 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 63.457 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133514.D

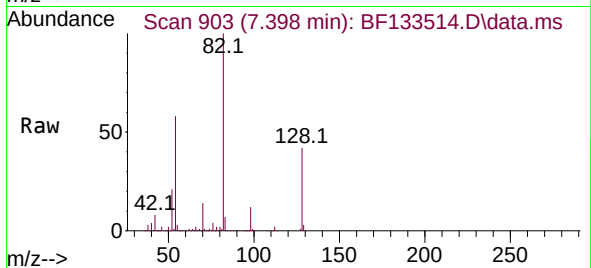
Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

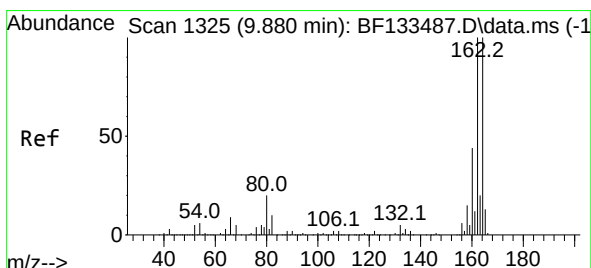
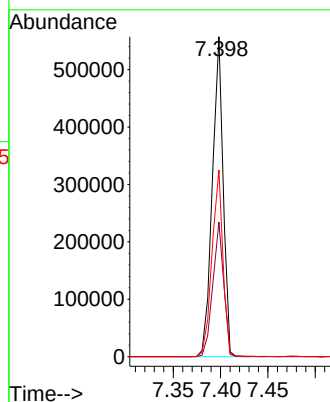
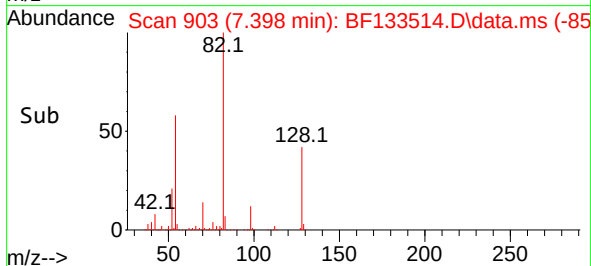


Tgt Ion:	82	Resp:	442340
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.2	51.4
54	58.4	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

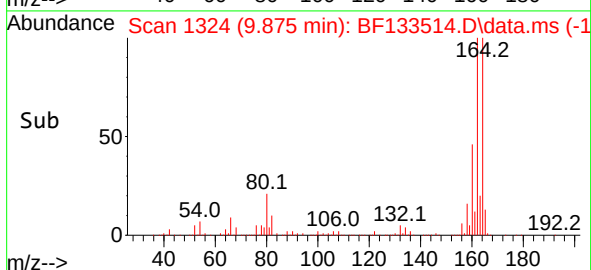
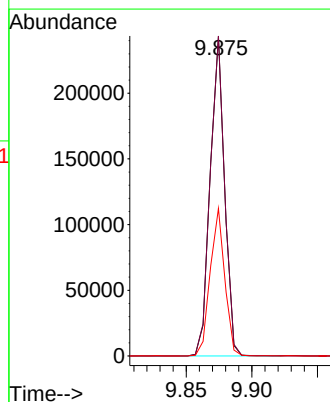
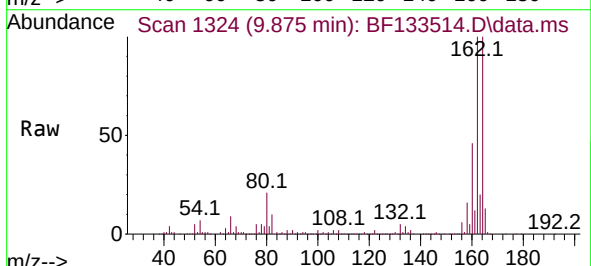
RT: 9.875 min Scan# 1324

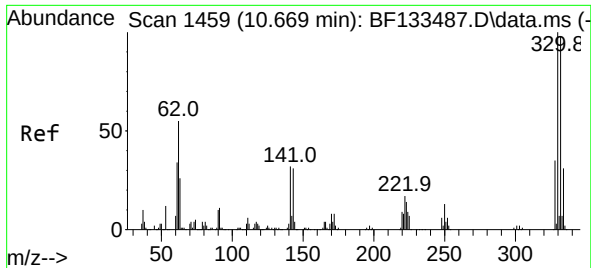
Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Tgt Ion:	164	Resp:	185915
Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.7	119.5
160	46.1	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 73.658 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

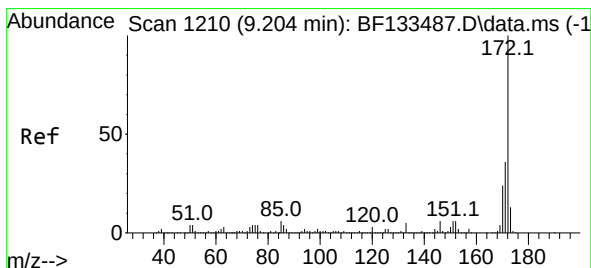
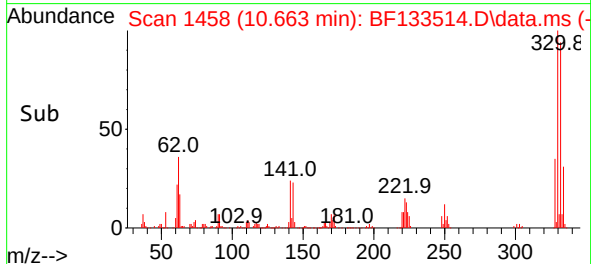
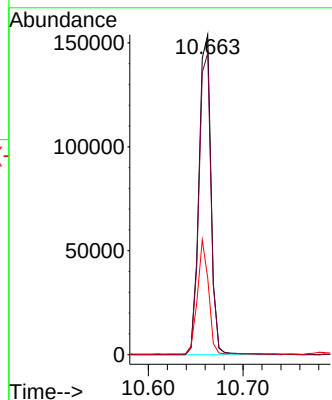
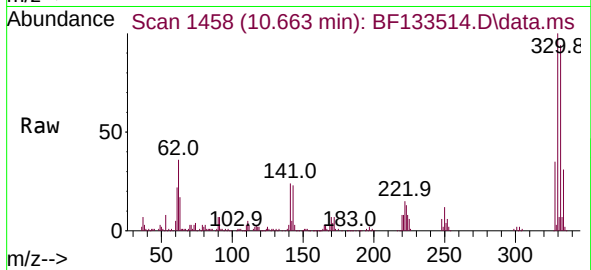
SU-04-052423

Tgt Ion:330 Resp: 136500
Ion Ratio Lower Upper
330 100
332 94.8 77.8 116.6
141 32.4 26.6 40.0

Manual Integrations

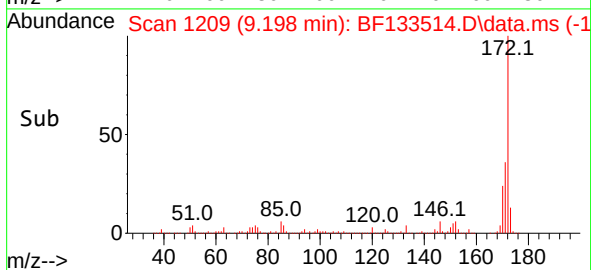
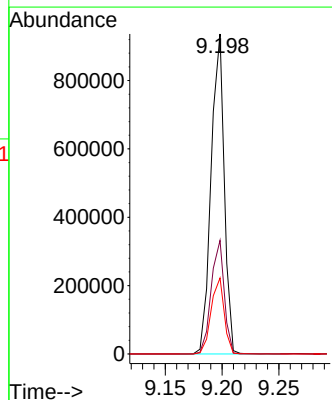
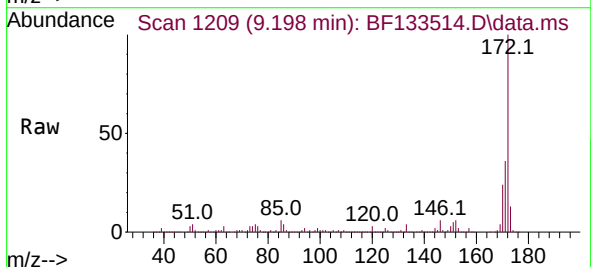
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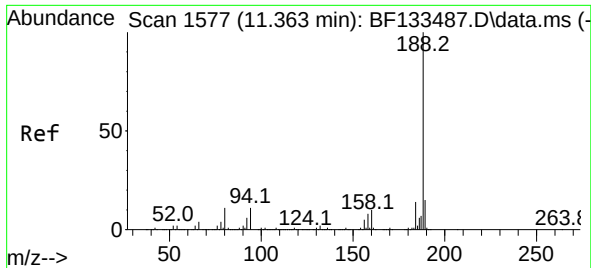
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#45
2-Fluorobiphenyl
Concen: 62.491 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:172 Resp: 752740
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.7 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

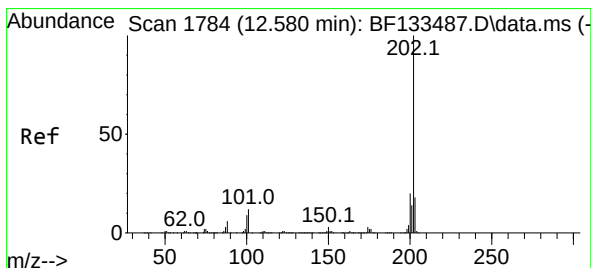
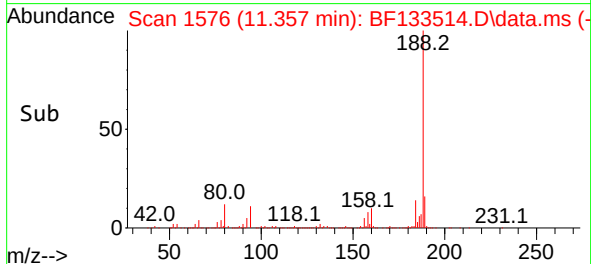
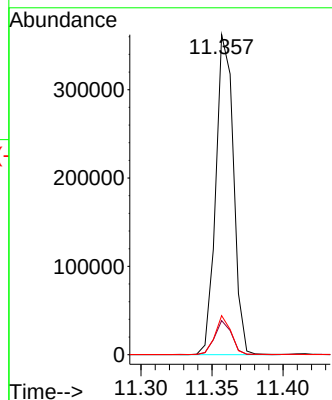
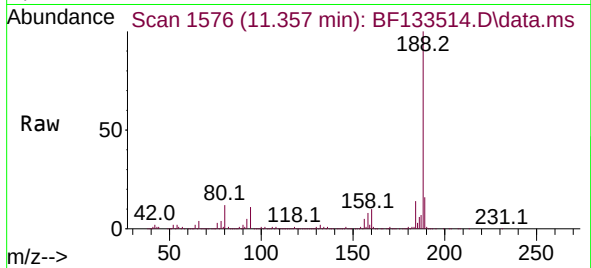
SU-04-052423

Tgt Ion:188 Resp: 31289
Ion Ratio Lower Upper
188 100
94 10.7 8.6 12.8
80 12.2 9.2 13.8

Manual Integrations

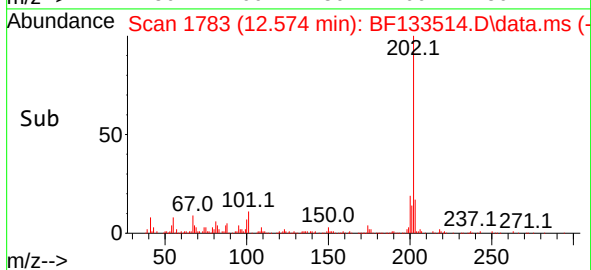
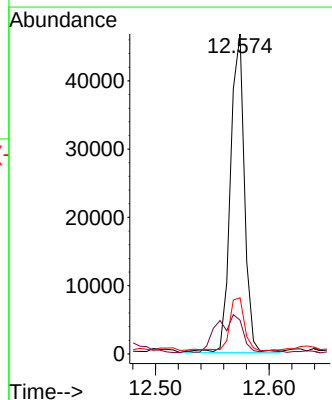
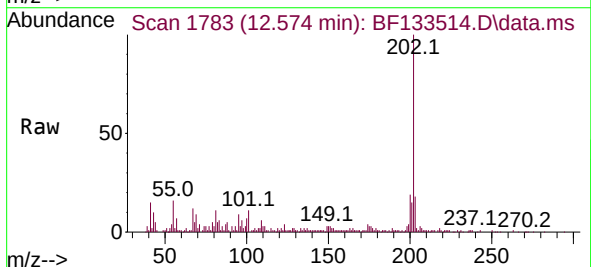
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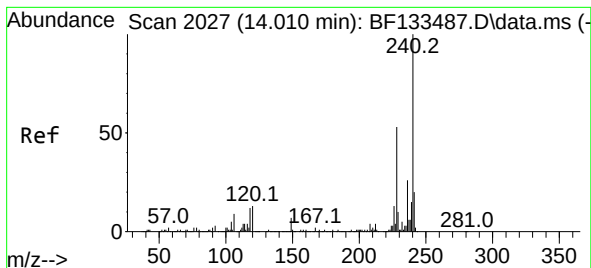
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#75
Fluoranthene
Concen: 2.283 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:202 Resp: 39967
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.2
203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

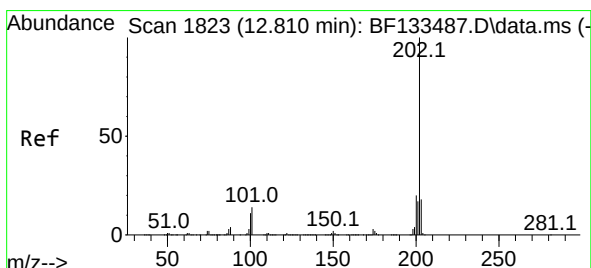
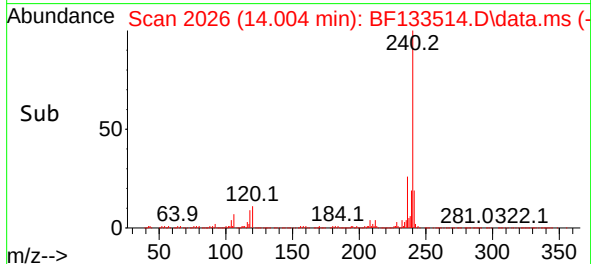
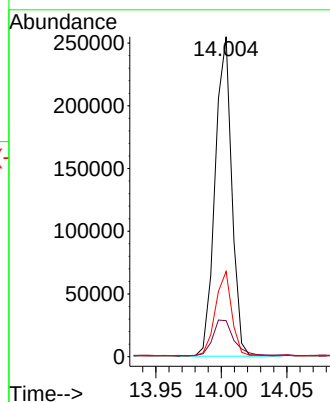
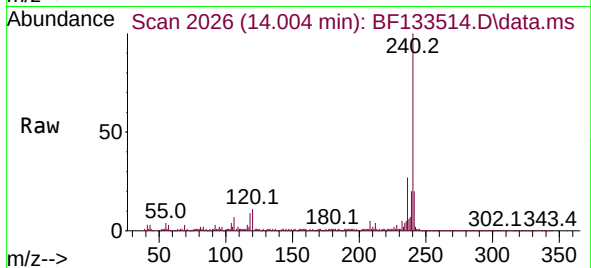
SU-04-052423

Tgt Ion:240 Resp: 224660
 Ion Ratio Lower Upper
 240 100
 120 11.3 10.3 15.5
 236 26.7 20.5 30.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023



#78

Pyrene

Concen: 2.773 ng

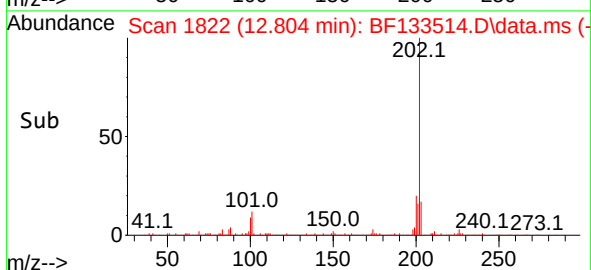
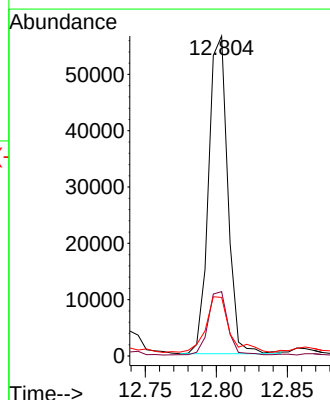
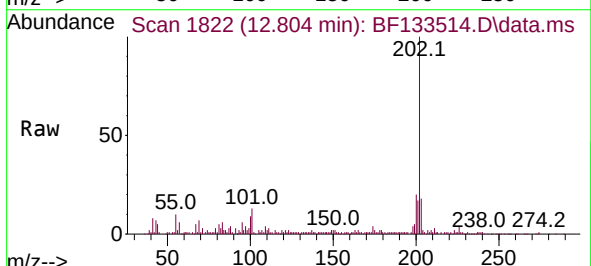
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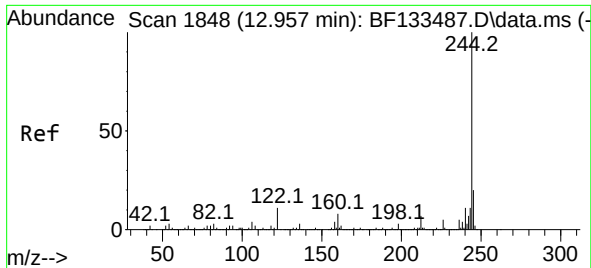
Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

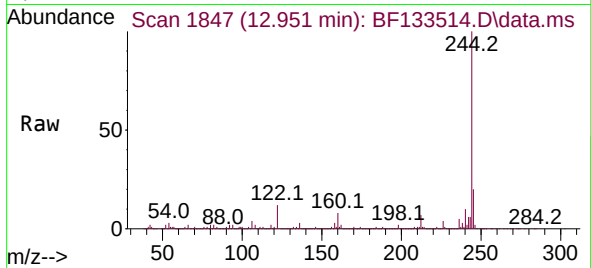
Tgt Ion:202 Resp: 53020
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.3 24.5
 203 18.3 14.3 21.5





#79
Terphenyl-d14
Concen: 53.840 ng
RT: 12.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

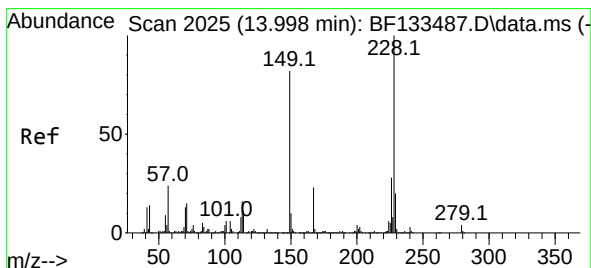
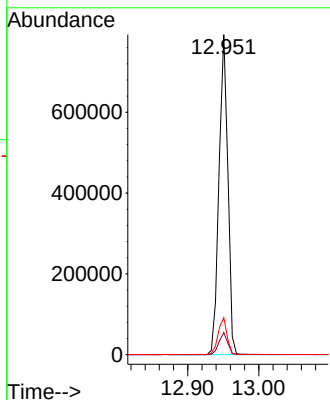
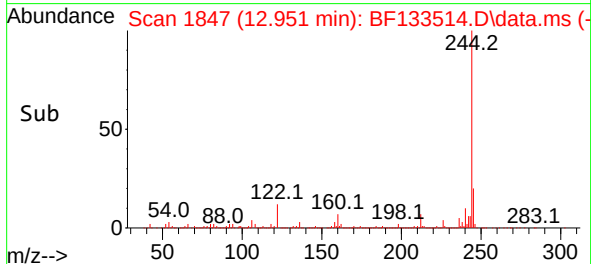
Instrument :
BNA_F
ClientSampleId :
SU-04-052423



Tgt Ion:244 Resp: 680320
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 11.5 8.5 12.7

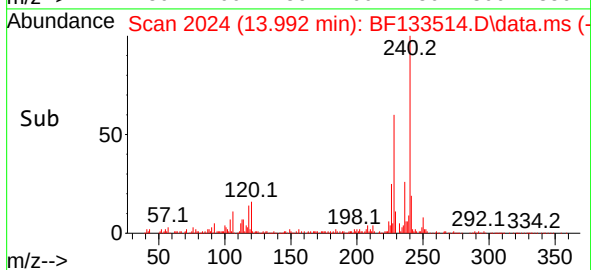
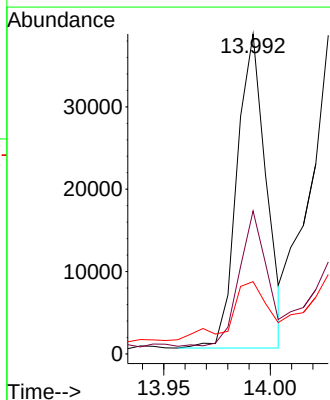
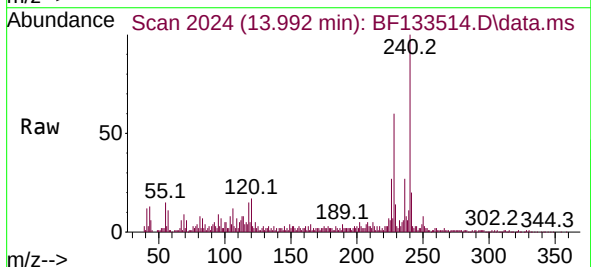
Manual Integrations
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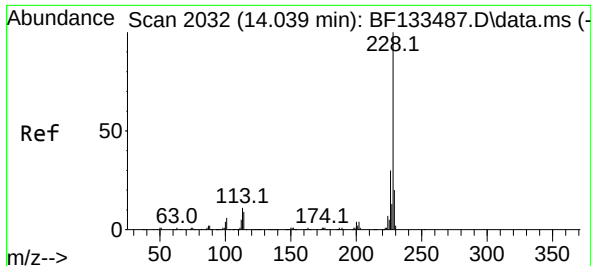
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#81
Benzo(a)anthracene
Concen: 2.418 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:228 Resp: 36185
Ion Ratio Lower Upper
228 100
226 44.7 22.3 33.5#
229 22.6 16.1 24.1





#83
Chrysene
Concen: 2.602 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

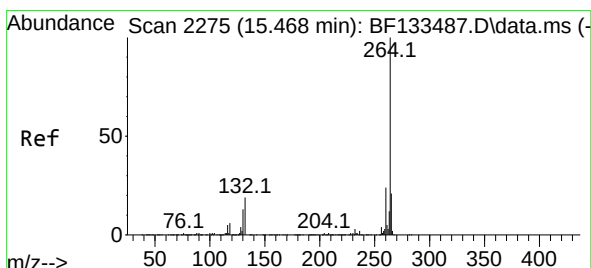
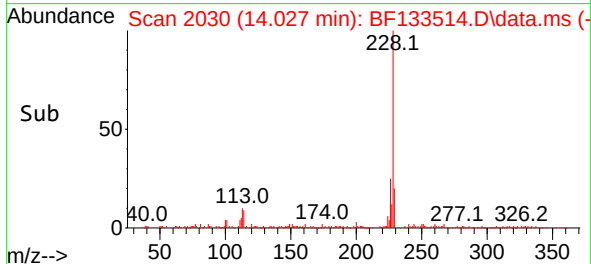
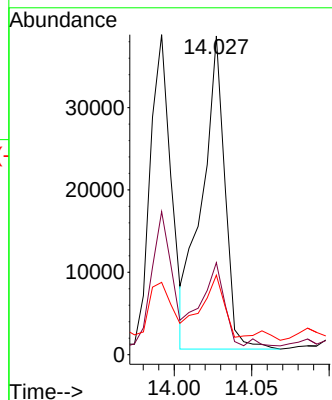
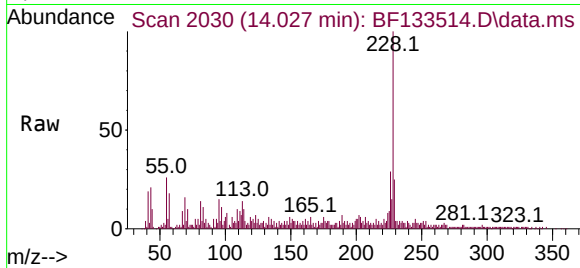
SU-04-052423

Tgt Ion:228 Resp: 39307
Ion Ratio Lower Upper
228 100
226 28.9 24.1 36.1
229 25.0 15.8 23.8

Manual Integrations

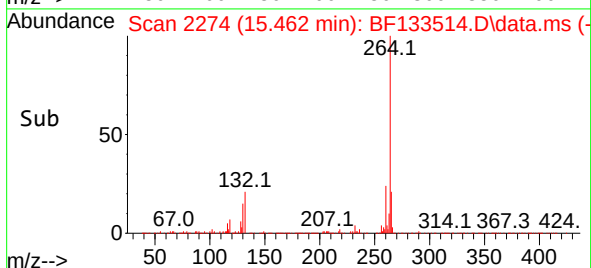
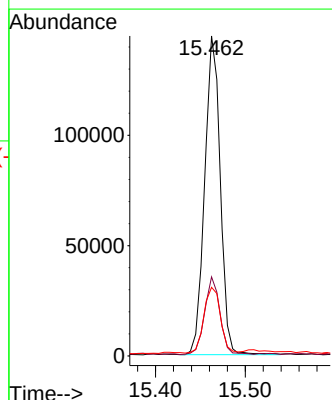
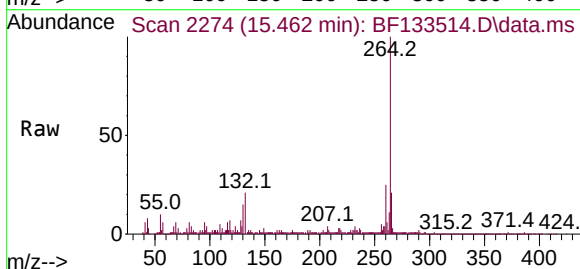
APPROVED

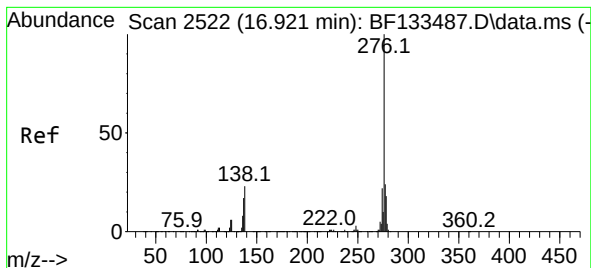
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF133514.D
Acq: 26 May 2023 23:14

Tgt Ion:264 Resp: 174049
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.4
265 21.4 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.642 ng

RT: 16.915 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

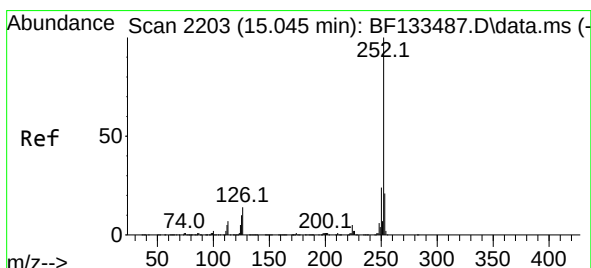
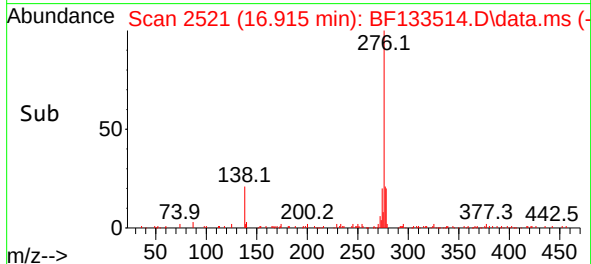
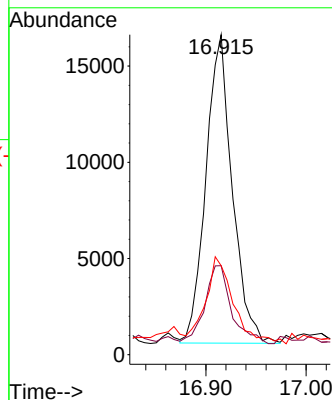
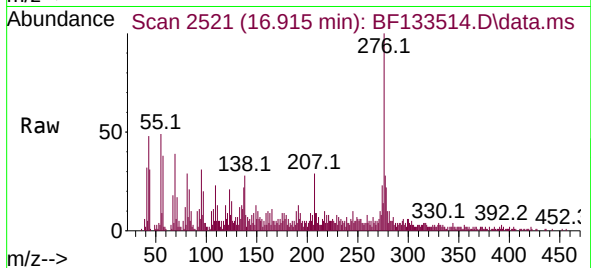
Tgt Ion:276 Resp: 29280
 Ion Ratio Lower Upper
 276 100
 138 25.6 21.4 32.2
 277 29.8 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#88

Benzo(b)fluoranthene

Concen: 5.083 ng m

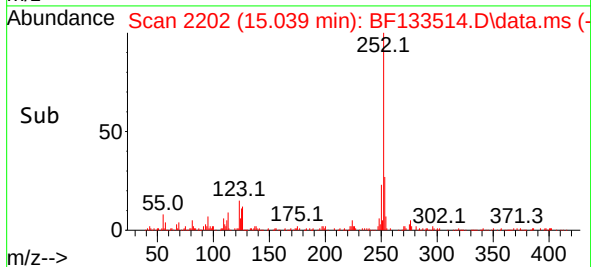
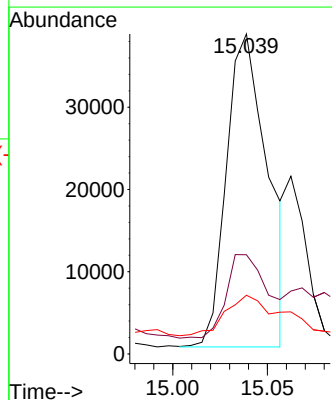
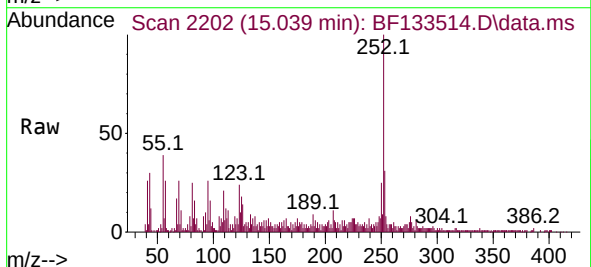
RT: 15.039 min Scan# 2202

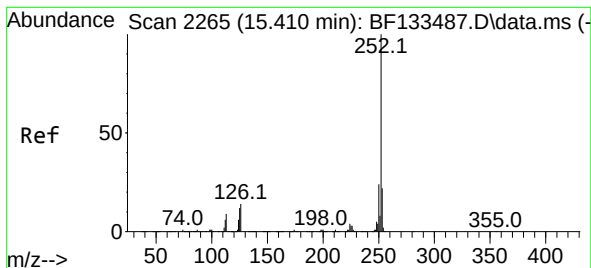
Delta R.T. -0.006 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Tgt Ion:252 Resp: 57609
 Ion Ratio Lower Upper
 252 100
 253 31.0 17.2 25.8#
 125 18.4 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 3.669 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Instrument :

BNA_F

ClientSampleId :

SU-04-052423

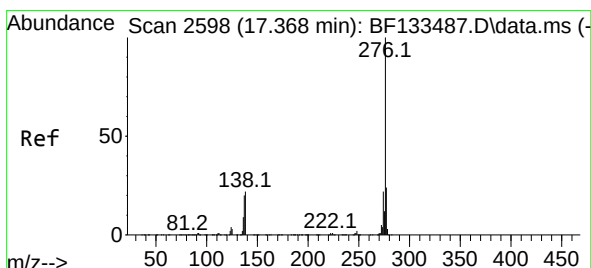
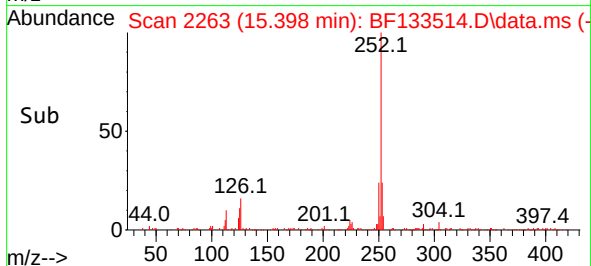
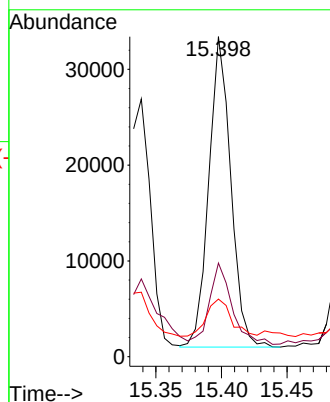
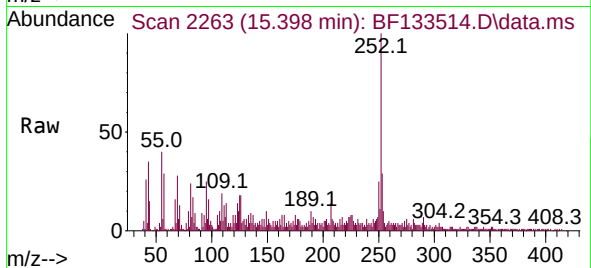
Tgt Ion:	252	Resp:	3784
Ion Ratio	Lower	Upper	
252	100		
253	29.2	17.4	26.0
125	18.0	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#92

Benzo(g,h,i)perylene

Concen: 3.670 ng

RT: 17.351 min Scan# 2595

Delta R.T. -0.018 min

Lab File: BF133514.D

Acq: 26 May 2023 23:14

Tgt Ion:	276	Resp:	33265
Ion Ratio	Lower	Upper	
276	100		
277	28.3	18.8	28.2
138	30.7	17.8	26.6

