

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132487.D
 Acq On : 20 Feb 2023 19:39
 Operator : CG\JU
 Sample : 01608-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02172023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/21/2023
 Supervised By : Jagrut Upadhyay 02/21/2023

Quant Time: Feb 21 00:05:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	194312	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	655005	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	285489	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	494540	20.000	ng	0.00
76) Chrysene-d12	14.236	240	274987	20.000	ng	0.00
86) Perylene-d12	15.807	264	228800	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	823153	67.880	ng	0.00
7) Phenol-d6	6.649	99	1029616	65.024	ng	0.00
23) Nitrobenzene-d5	7.590	82	616708	45.240	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	180174	63.254	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	925415	50.059	ng	0.00
79) Terphenyl-d14	13.166	244	829834	54.959	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.595	178	385975	15.154	ng	99
72) Anthracene	11.648	178	126147	4.818	ng	100
75) Fluoranthene	12.801	202	600342	21.135	ng	98
78) Pyrene	13.030	202	627865	26.878	ng	100
81) Benzo(a)anthracene	14.224	228	235006	11.668	ng	97
83) Chrysene	14.260	228	196287	10.200	ng	97
87) Indeno(1,2,3-cd)pyrene	17.424	276	58467	3.998	ng	96
88) Benzo(b)fluoranthene	15.330	252	179127m	11.905	ng	
89) Benzo(k)fluoranthene	15.360	252	49322m	3.276	ng	
90) Benzo(a)pyrene	15.736	252	132554	9.480	ng	# 94
92) Benzo(g,h,i)perylene	17.924	276	57847	4.676	ng	# 89

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

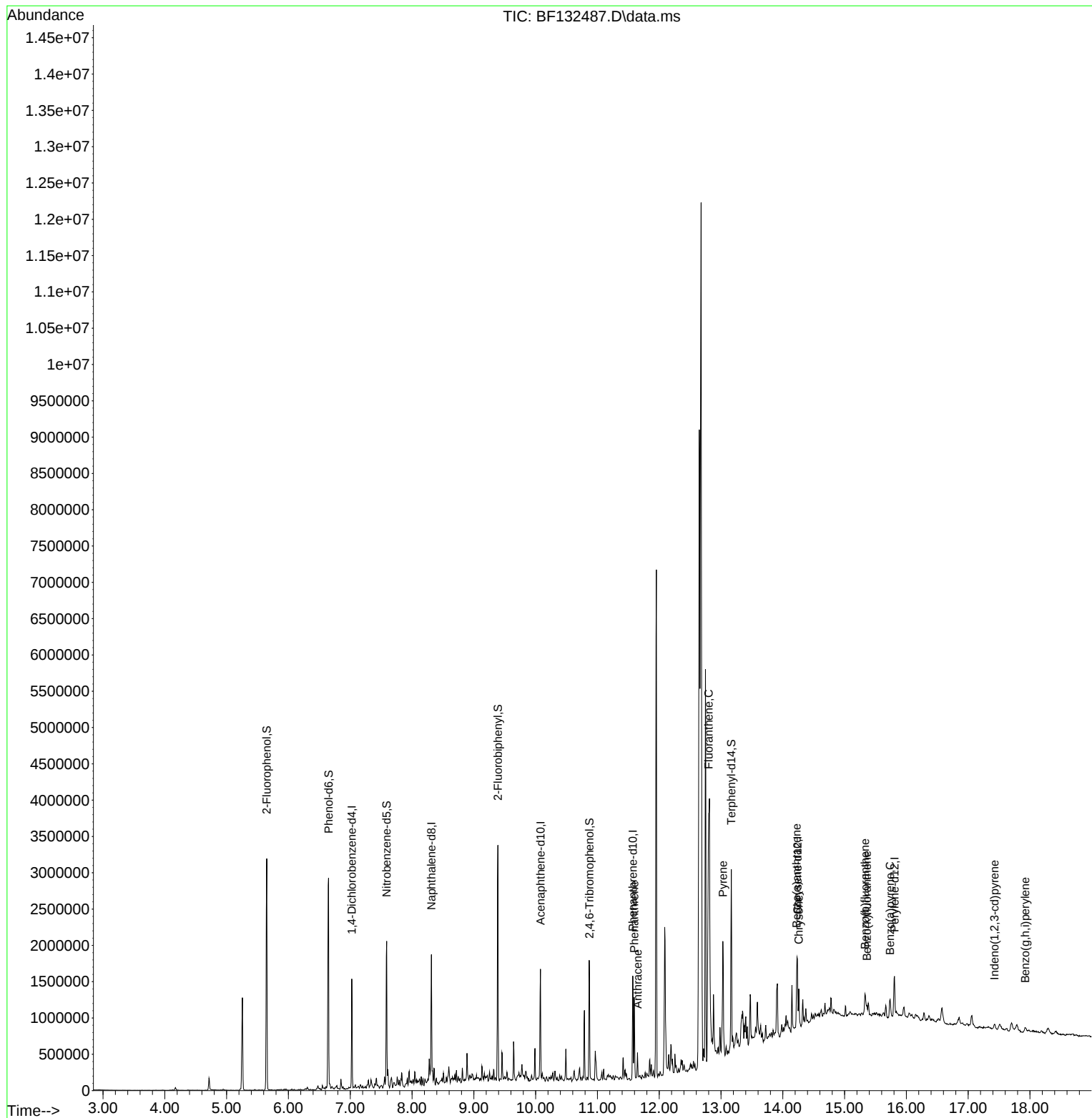
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132487.D
Acq On : 20 Feb 2023 19:39
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ALS Vial : 18 Sample Multiplier: 1

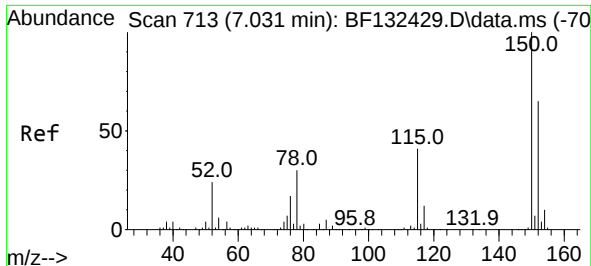
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

Quant Time: Feb 21 00:05:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 20 13:34:28 2023
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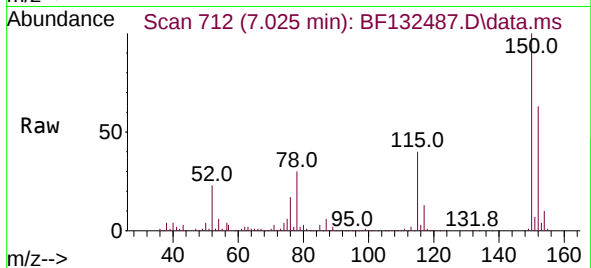
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

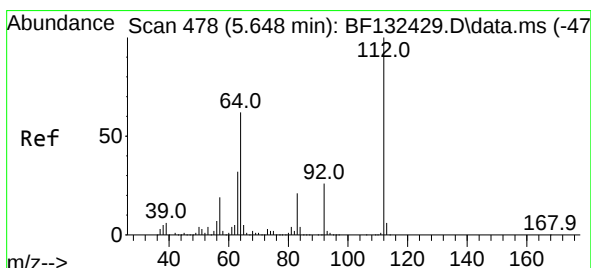
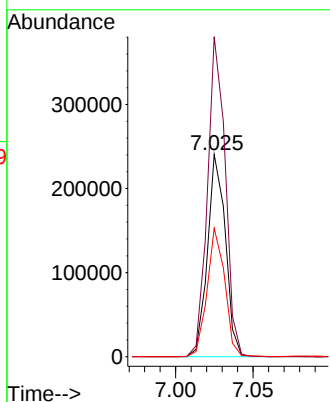
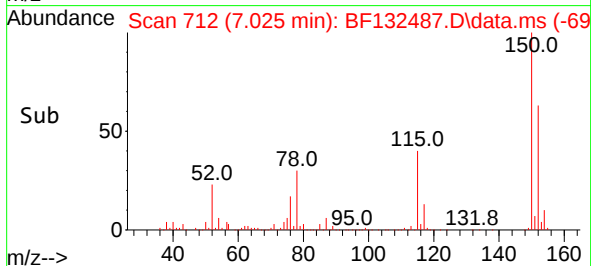
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023



Tgt Ion:152 Resp: 194312
Ion Ratio Lower Upper
152 100
150 158.3 123.8 185.8
115 63.5 50.4 75.6

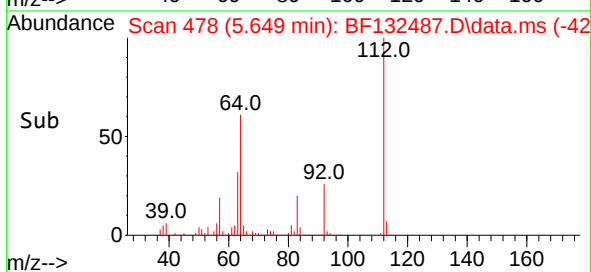
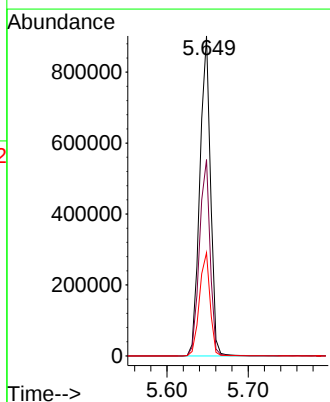
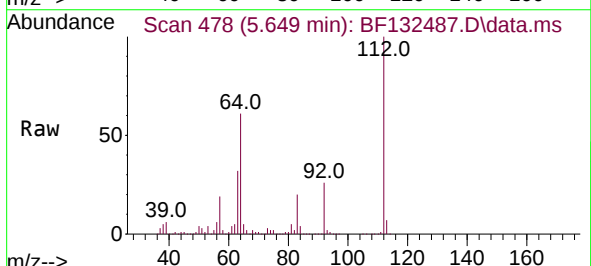
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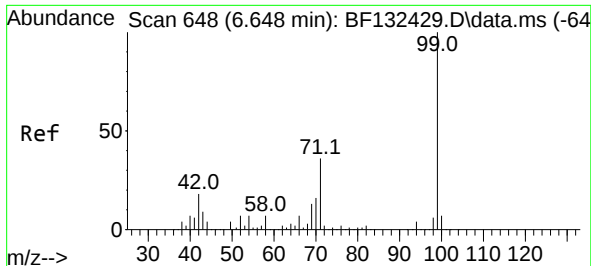
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 67.880 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

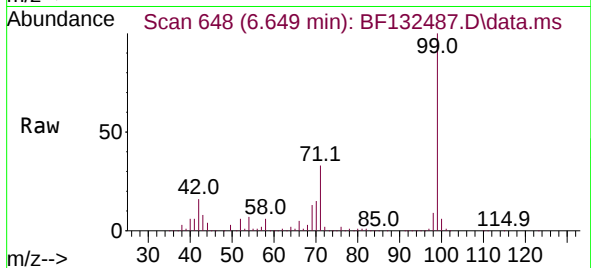
Tgt Ion:112 Resp: 823153
Ion Ratio Lower Upper
112 100
64 61.3 49.7 74.5
63 32.2 25.8 38.8





#7
Phenol-d6
Concen: 65.024 ng
RT: 6.649 min Scan# 648
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

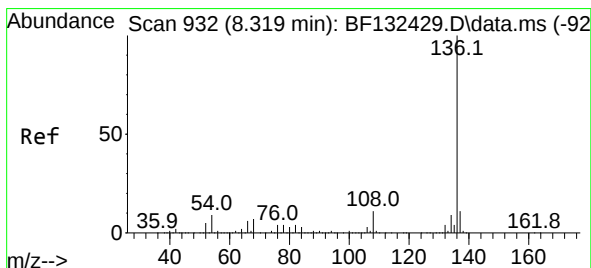
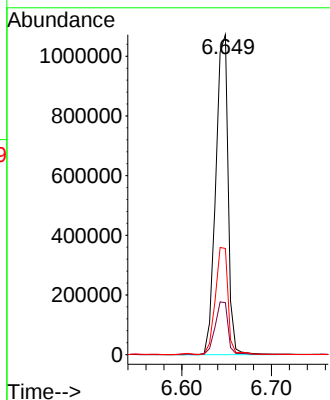
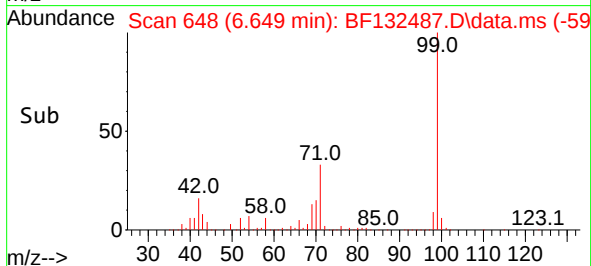
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023



Tgt Ion: 99 Resp: 1029616
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 33.2 28.7 43.1

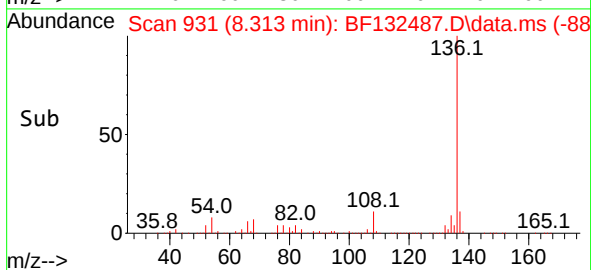
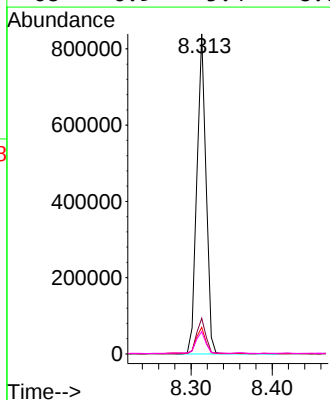
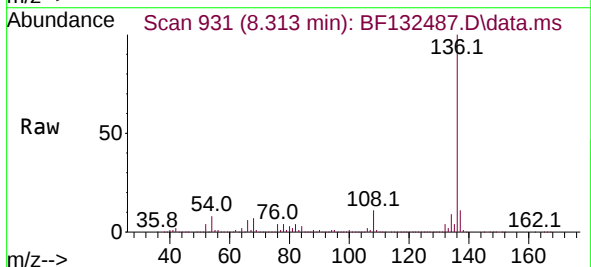
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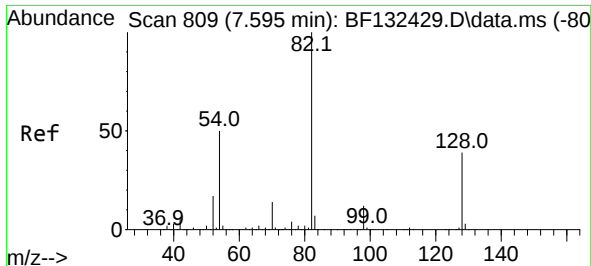
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:136 Resp: 655005
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.9 10.3
68 6.9 5.4 8.0





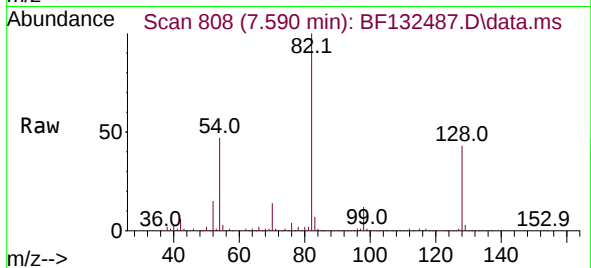
#23
Nitrobenzene-d5
Concen: 45.240 ng
RT: 7.590 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

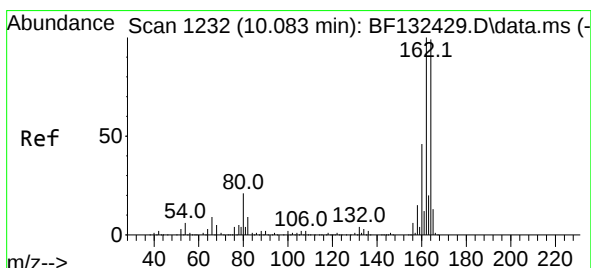
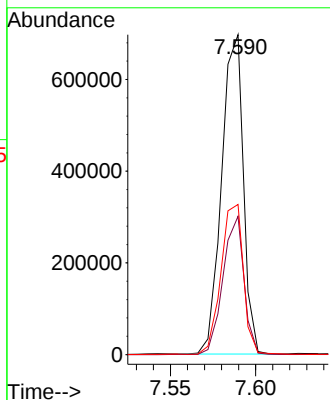
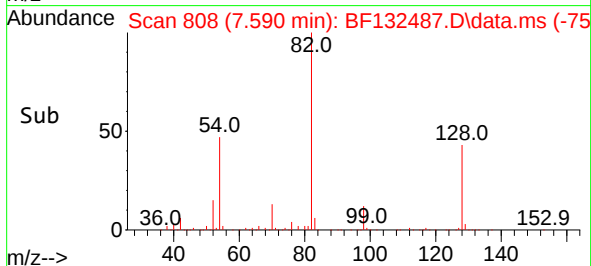


Tgt Ion: 82 Resp: 616708
Ion Ratio Lower Upper
82 100
128 43.3 30.8 46.2
54 46.9 40.2 60.4

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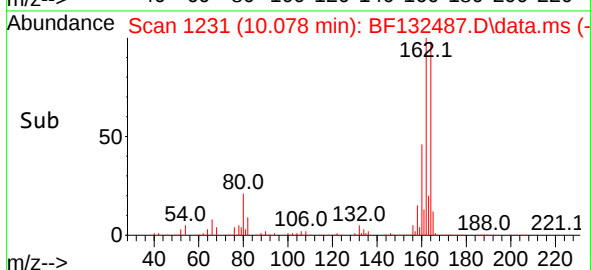
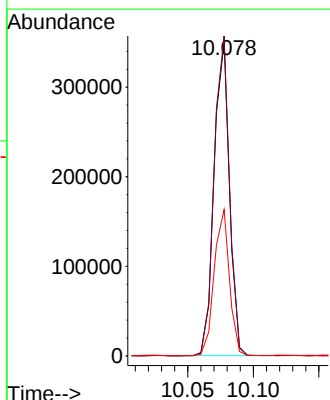
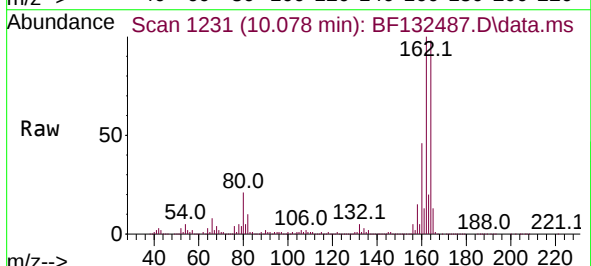
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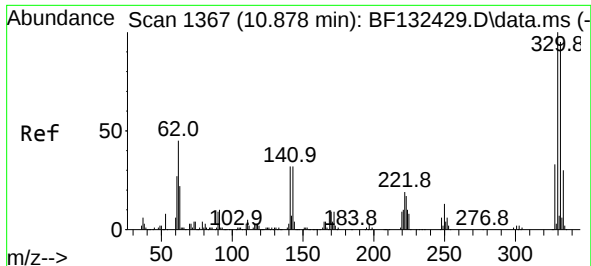
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

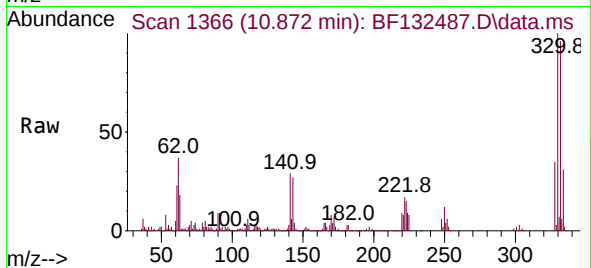
Tgt Ion:164 Resp: 285489
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 46.6 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 63.254 ng
RT: 10.872 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

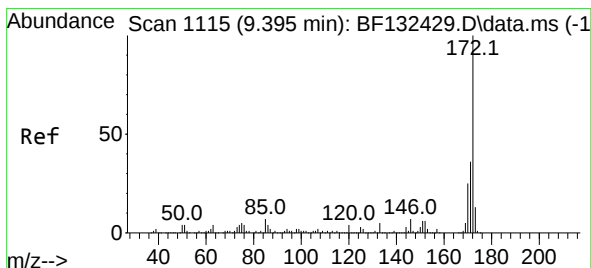
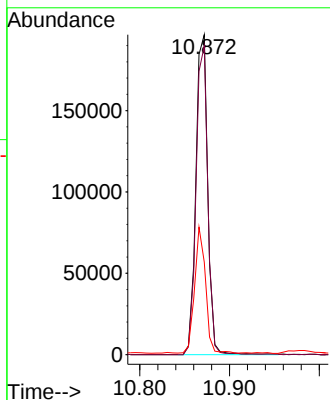
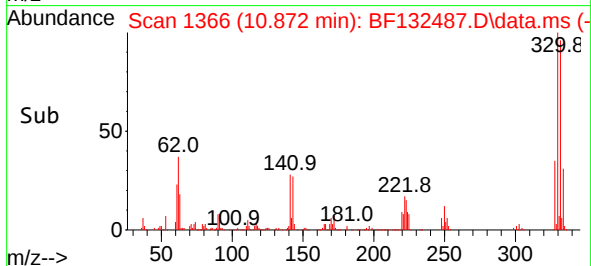
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023



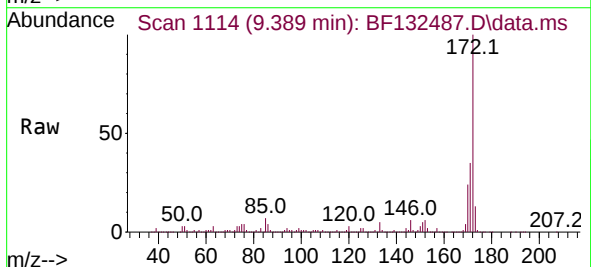
Tgt Ion: 330 Resp: 180174
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 36.1 30.3 45.5

Manual Integrations
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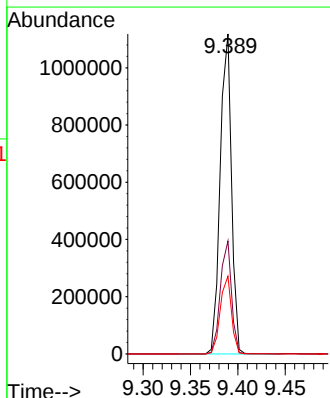
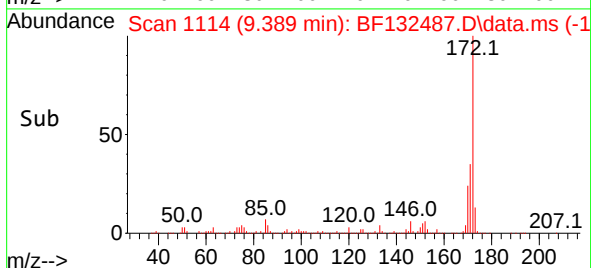
Reviewed By : Christian Giraldo 02/21/2023
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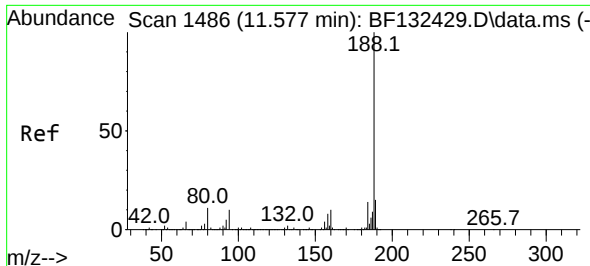


#45
2-Fluorobiphenyl
Concen: 50.059 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39



Tgt Ion: 172 Resp: 925415
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 24.3 19.9 29.9





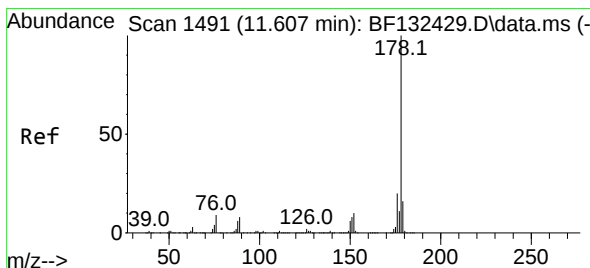
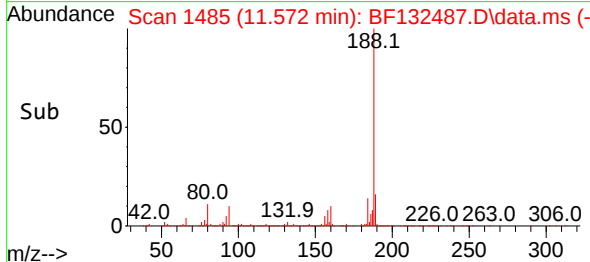
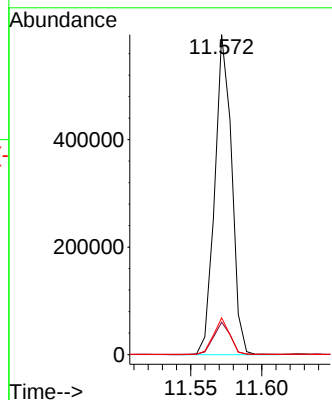
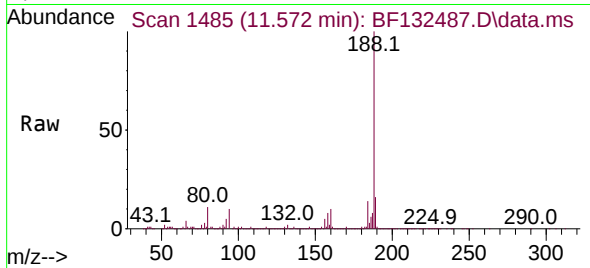
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

Tgt Ion:188 Resp: 494540
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 11.5 8.6 12.8

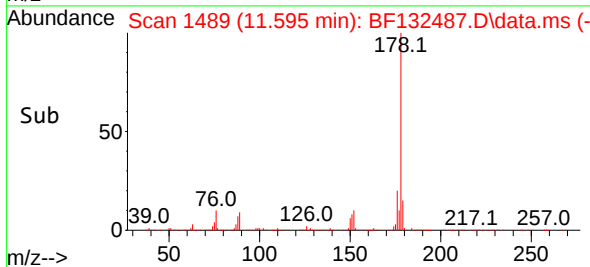
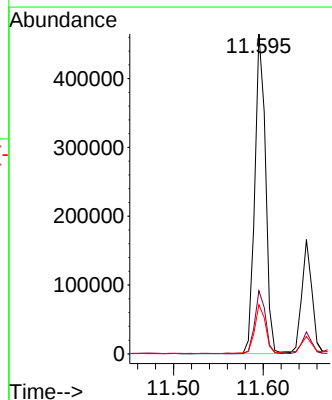
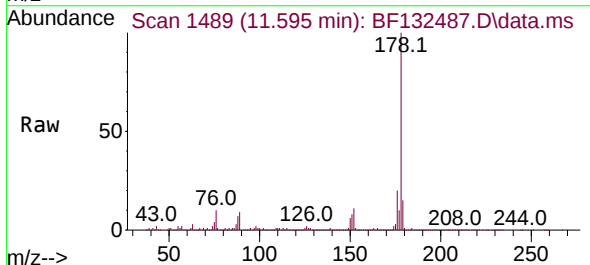
Manual Integrations
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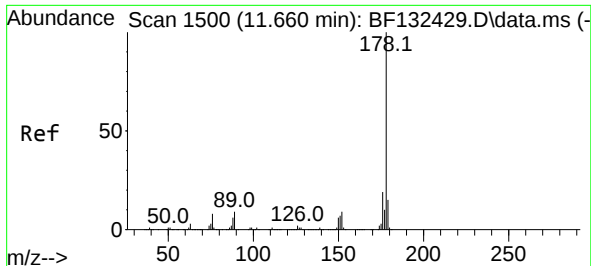
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#71
Phenanthrene
Concen: 15.154 ng
RT: 11.595 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

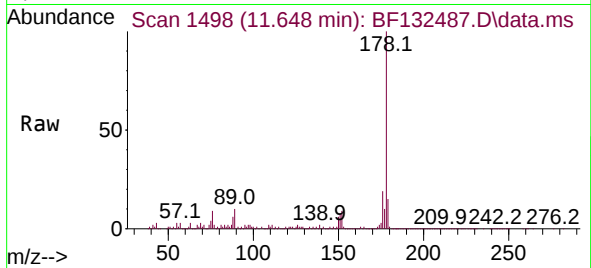
Tgt Ion:178 Resp: 385975
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.2
179 15.4 12.6 18.8





#72
 Anthracene
 Concen: 4.818 ng
 RT: 11.648 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39

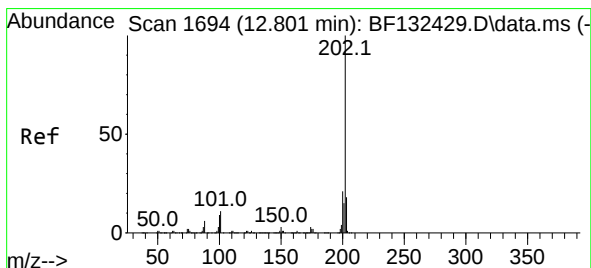
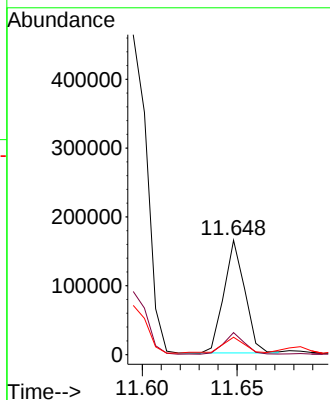
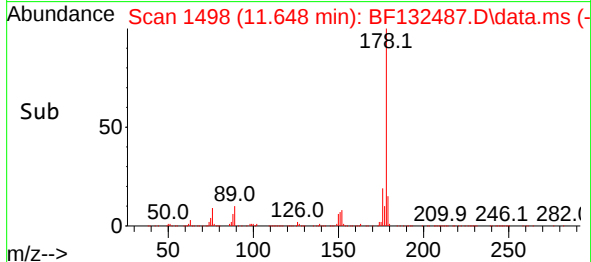
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 TR-04-02172023



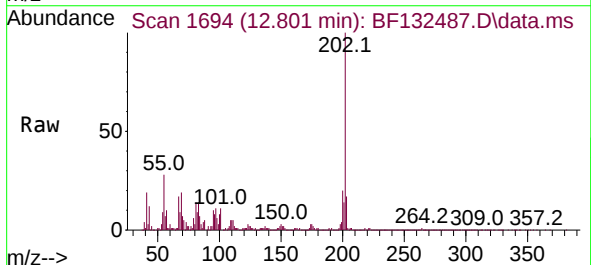
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 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.3 12.4 18.6

Manual Integrations
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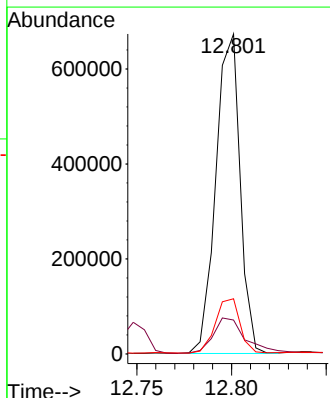
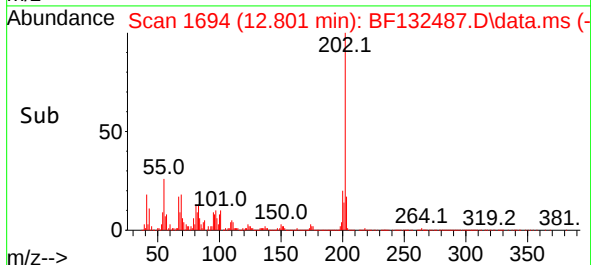
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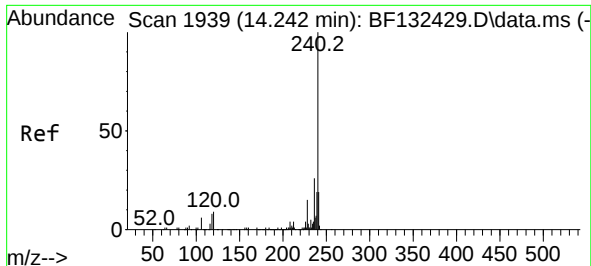


#75
 Fluoranthene
 Concen: 21.135 ng
 RT: 12.801 min Scan# 1694
 Delta R.T. 0.006 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39



Tgt Ion:202 Resp: 600342
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.3
 203 17.2 0.0 37.8





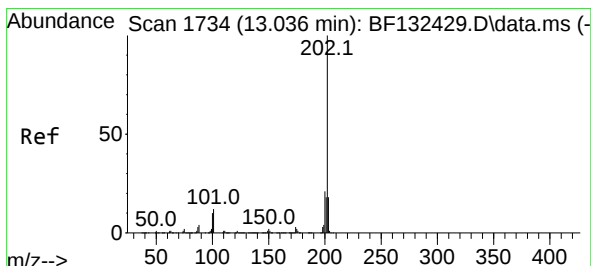
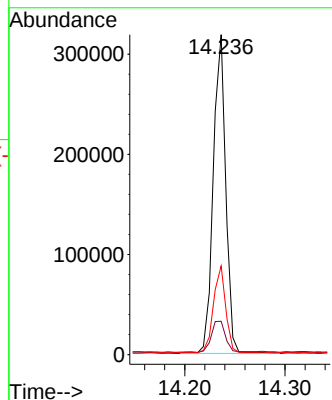
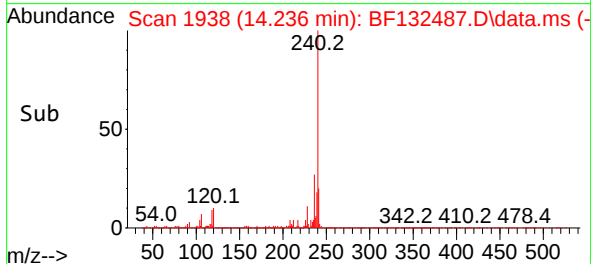
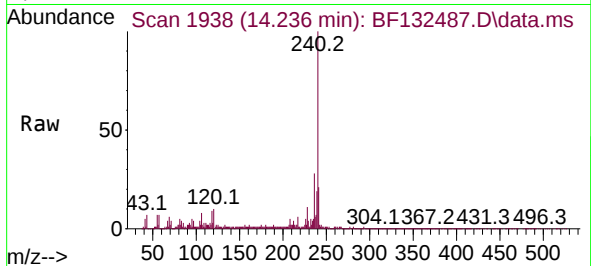
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

Tgt Ion:240 Resp: 274987
Ion Ratio Lower Upper
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120 10.4 7.5 11.3
236 27.7 21.0 31.6

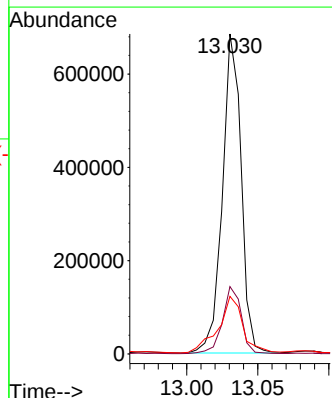
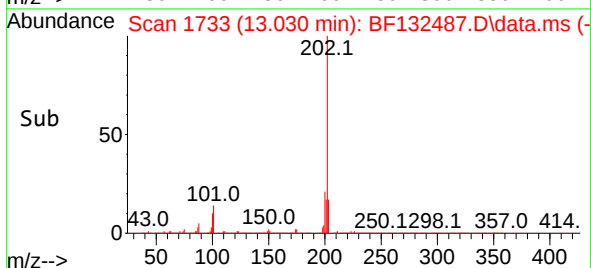
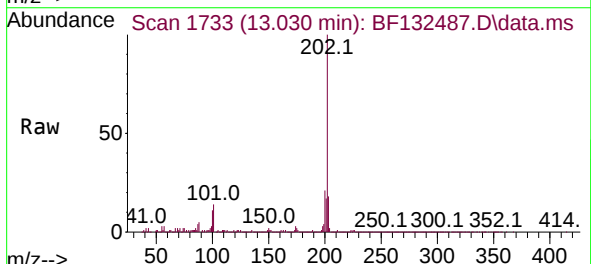
Manual Integrations
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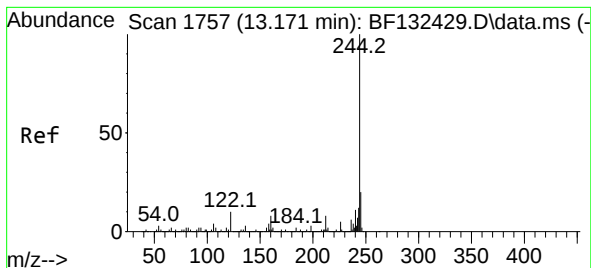
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#78
Pyrene
Concen: 26.878 ng
RT: 13.030 min Scan# 1733
Delta R.T. 0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:202 Resp: 627865
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 54.959 ng

RT: 13.166 min Scan# 1756

Delta R.T. 0.006 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

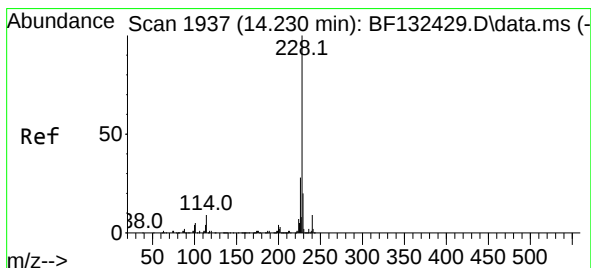
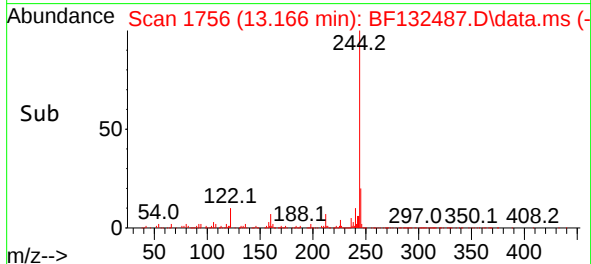
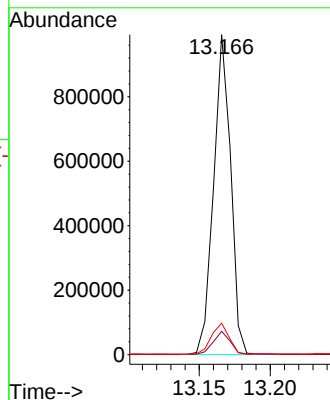
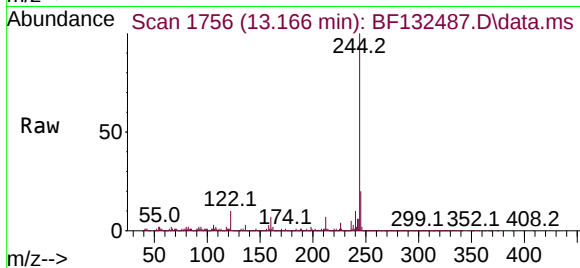
Tgt Ion:244 Resp: 829834

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.7	10.1
122	9.8	7.7	11.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/21/2023



#81

Benzo(a)anthracene

Concen: 11.668 ng

RT: 14.224 min Scan# 1936

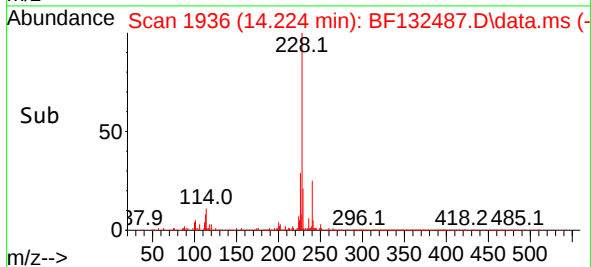
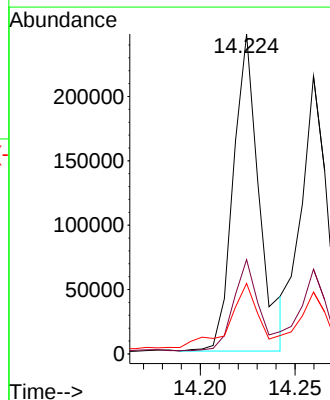
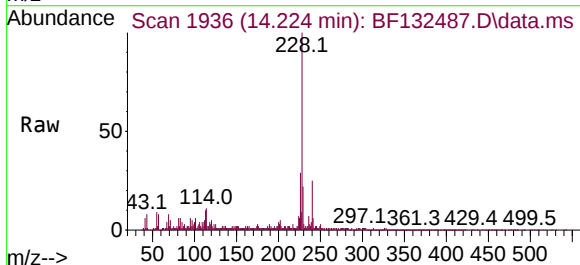
Delta R.T. 0.006 min

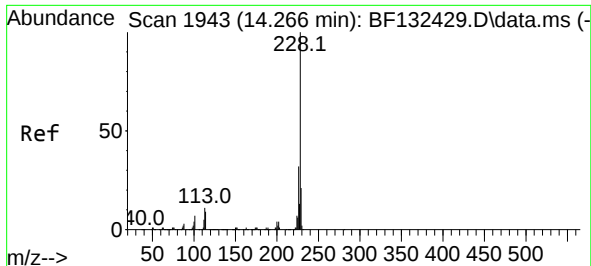
Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Tgt Ion:228 Resp: 235006

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	34.0
229	22.0	16.2	24.4





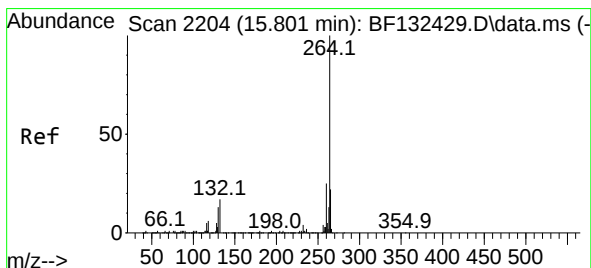
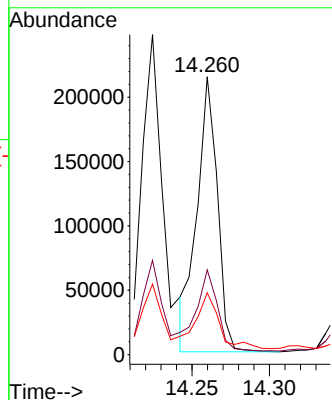
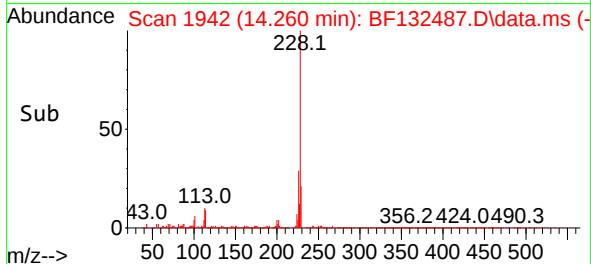
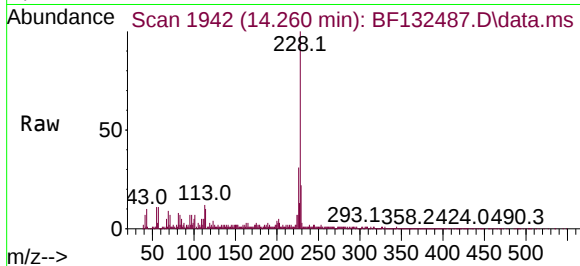
#83
Chrysene
Concen: 10.200 ng
RT: 14.260 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

Tgt Ion:228 Resp: 196287
Ion Ratio Lower Upper
228 100
226 30.5 25.4 38.2
229 22.2 16.6 25.0

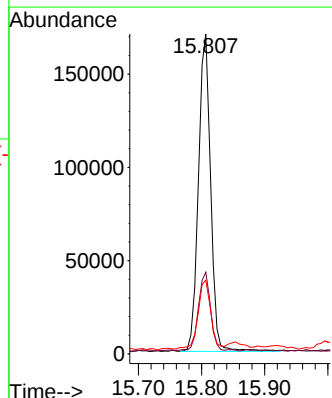
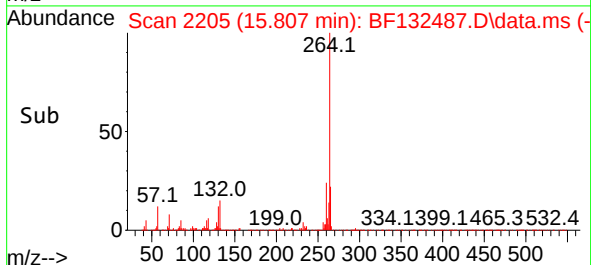
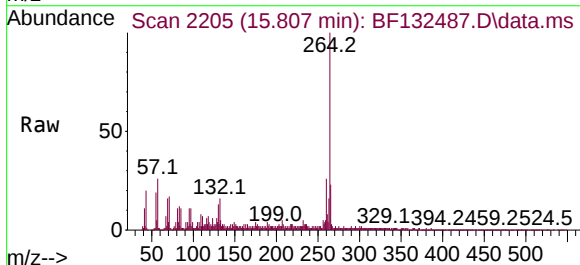
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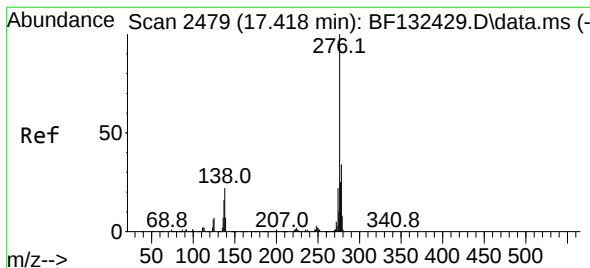
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.807 min Scan# 2205
Delta R.T. 0.024 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:264 Resp: 228800
Ion Ratio Lower Upper
264 100
260 25.5 20.0 30.0
265 23.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.998 ng

RT: 17.424 min Scan# 2479

Delta R.T. 0.024 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

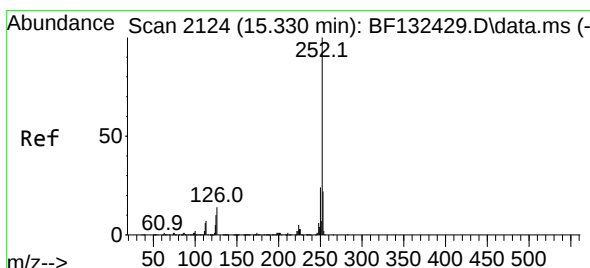
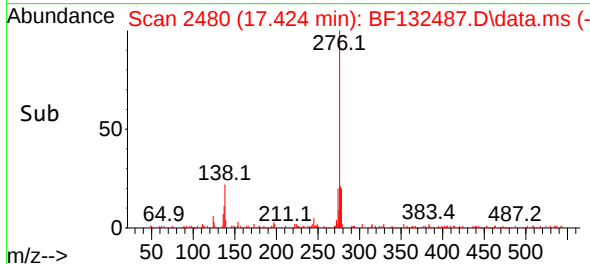
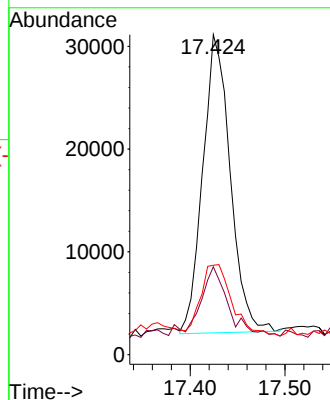
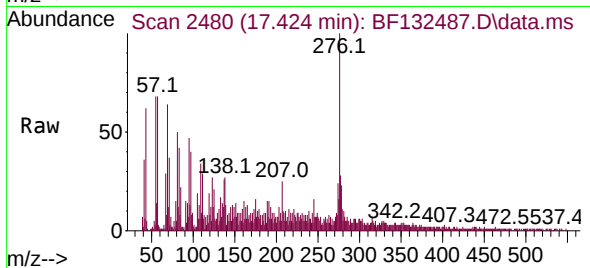
TR-04-02172023

Tgt Ion:276 Resp: 58462
 Ion Ratio Lower Upper
 276 100
 138 23.8 20.2 30.4
 277 27.3 20.0 30.0

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 Supervised By :Jagrut Upadhyay 02/21/2023



#88

Benzo(b)fluoranthene

Concen: 11.905 ng m

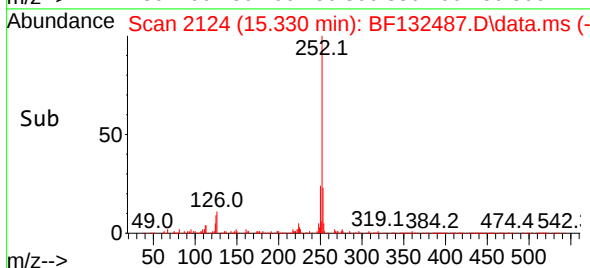
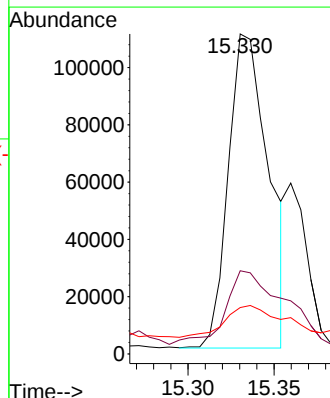
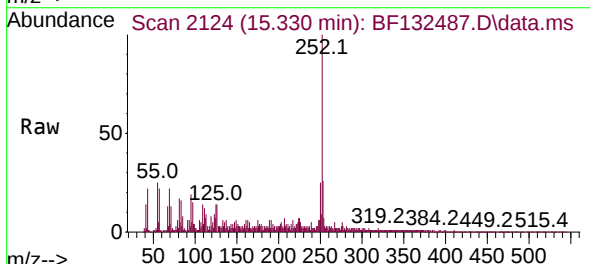
RT: 15.330 min Scan# 2124

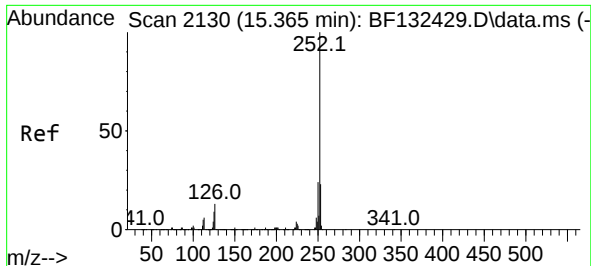
Delta R.T. 0.012 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Tgt Ion:252 Resp: 179127
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.8 26.8
 125 14.5 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 3.276 ng m

RT: 15.360 min Scan# 2130

Delta R.T. 0.006 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

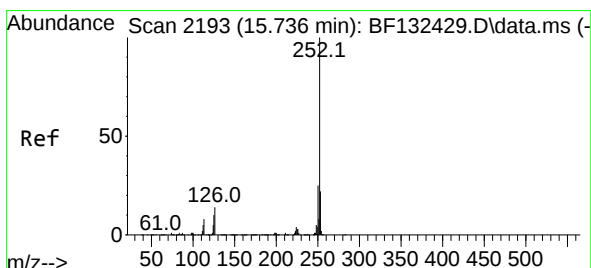
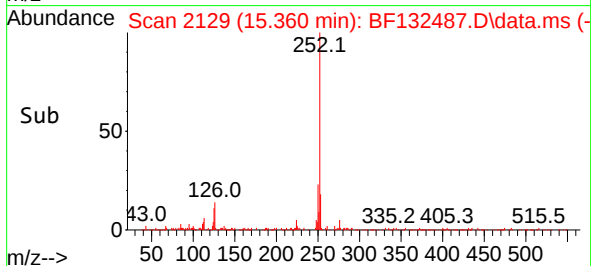
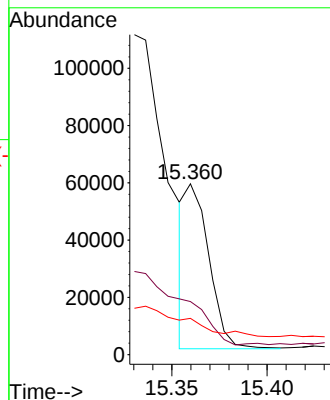
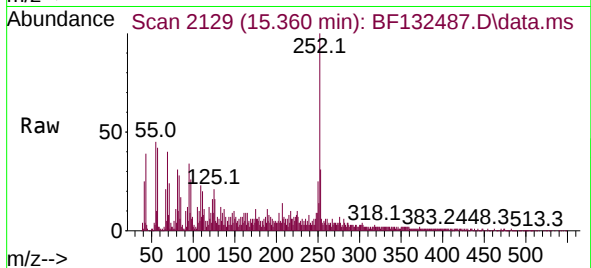
TR-04-02172023

Tgt Ion:252 Resp: 49322
 Ion Ratio Lower Upper
 252 100
 253 31.0 18.2 27.2
 125 21.2 7.5 11.3

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 Supervised By :Jagrut Upadhyay 02/21/2023



#90

Benzo(a)pyrene

Concen: 9.480 ng

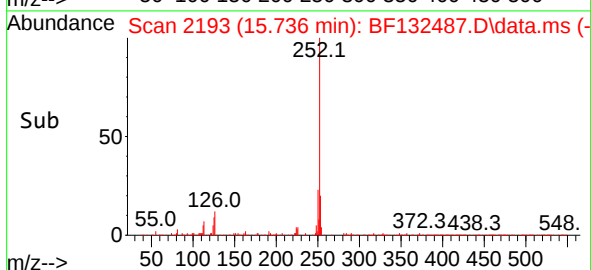
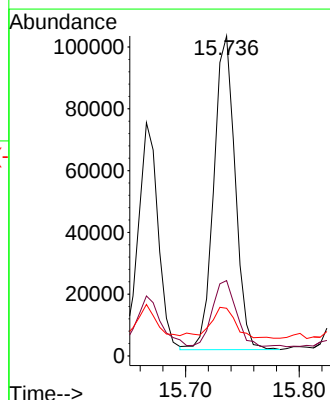
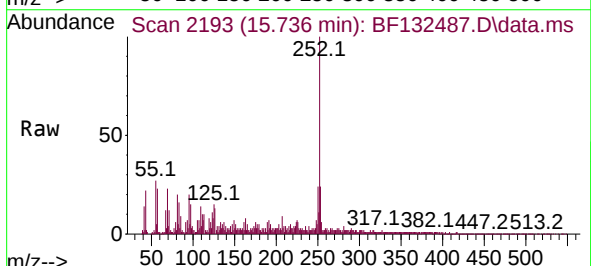
RT: 15.736 min Scan# 2193

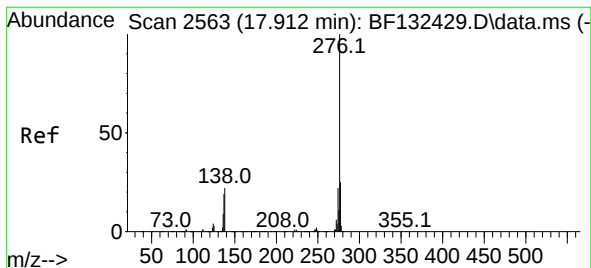
Delta R.T. 0.018 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Tgt Ion:252 Resp: 132554
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 14.9 8.2 12.4





#92

Benzo(g,h,i)perylene

Concen: 4.676 ng

RT: 17.924 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF132487.D

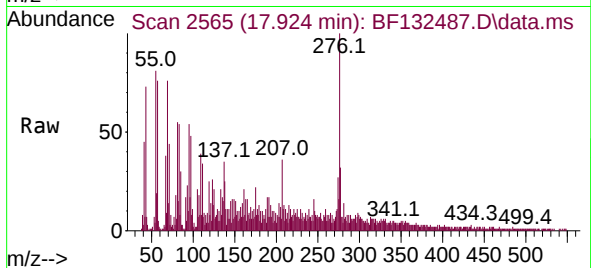
Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023



Tgt Ion: 276 Resp: 5784

Ion Ratio Lower Upper

276 100

277 31.7 19.6 29.4

138 25.4 17.7 26.5

Manual Integrations

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Reviewed By : Christian Giraldo 02/21/2023

Supervised By : Jagrut Upadhyay 02/21/2023

