

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092523\
 Data File : BF135433.D
 Acq On : 25 Sep 2023 18:22
 Operator : CG\JU
 Sample : 04582-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-092223

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2023
 Supervised By :Jagrut Upadhyay 09/26/2023

Quant Time: Sep 26 01:43:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 26 01:36:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	126933	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	482609	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	203357	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	311181	20.000	ng	0.00
76) Chrysene-d12	13.939	240	228319	20.000	ng	0.00
86) Perylene-d12	15.404	264	194631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	562277	72.047	ng	0.00
7) Phenol-d6	6.398	99	728904	73.451	ng	0.00
23) Nitrobenzene-d5	7.316	82	413815	46.585	ng	0.00
42) 2,4,6-Tribromophenol	10.581	330	114876	56.845	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	732220	54.324	ng	0.00
79) Terphenyl-d14	12.874	244	571569	38.807	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	60165	4.088	ng	97
75) Fluoranthene	12.498	202	107116	6.985	ng	96
78) Pyrene	12.727	202	152584	7.019	ng	98
81) Benzo(a)anthracene	13.927	228	59223	4.017	ng	94
83) Chrysene	13.963	228	64753m	4.418	ng	
88) Benzo(b)fluoranthene	14.980	252	54807m	5.202	ng	
90) Benzo(a)pyrene	15.345	252	42693	4.249	ng	# 84
92) Benzo(g,h,i)perylene	17.339	276	24016	2.202	ng	# 83

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

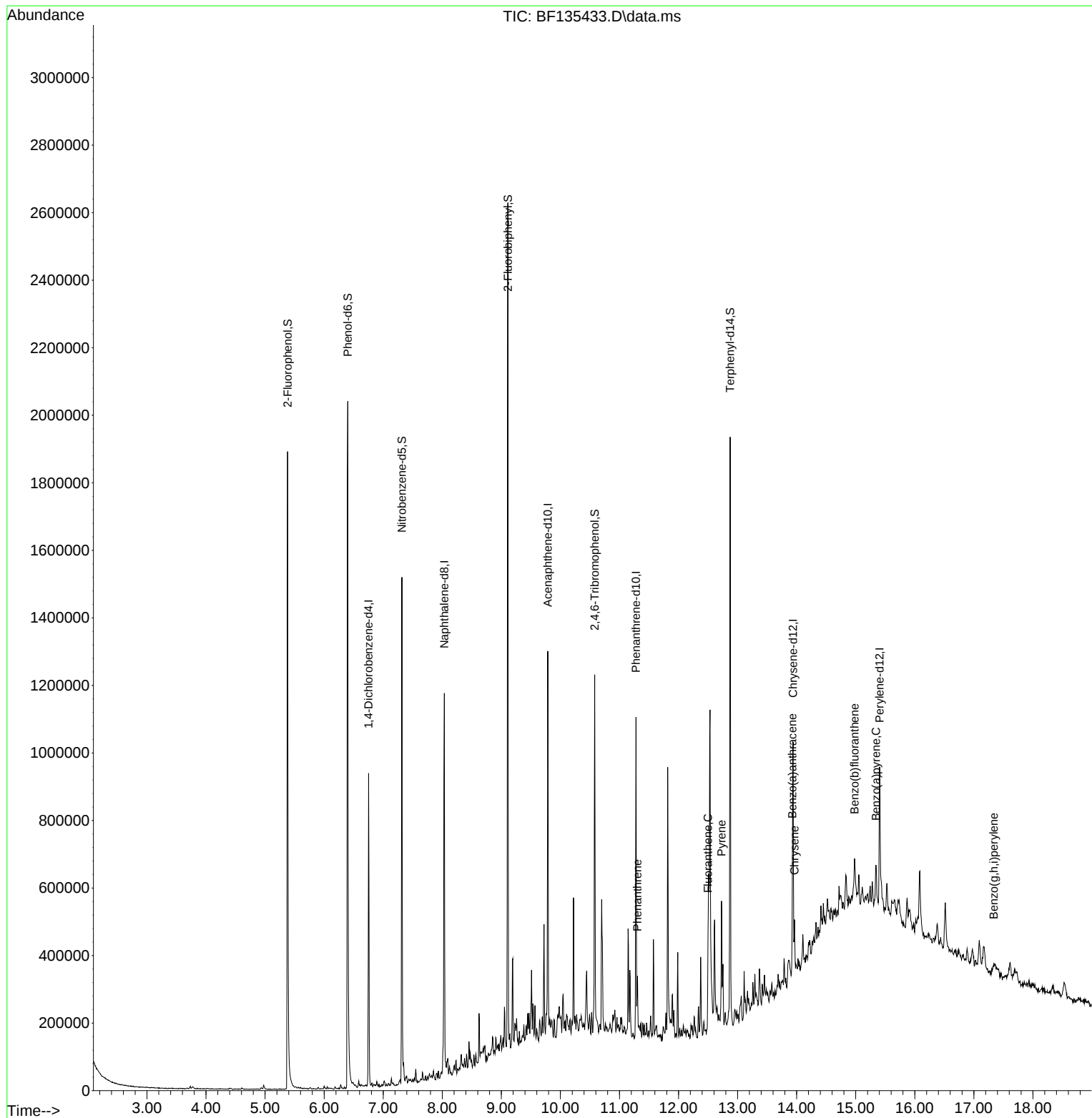
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092523\
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Quant Time: Sep 26 01:43:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 26 01:36:36 2023
Response via : Initial Calibration

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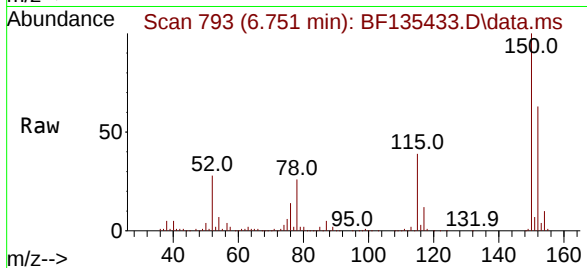
Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Jagrut Upadhyay 09/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

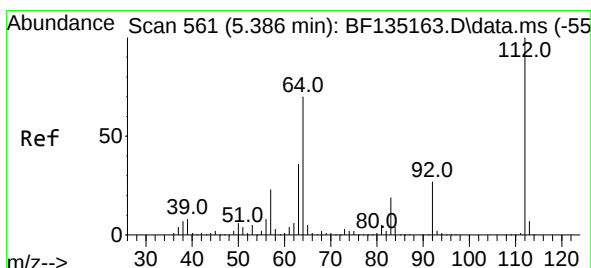
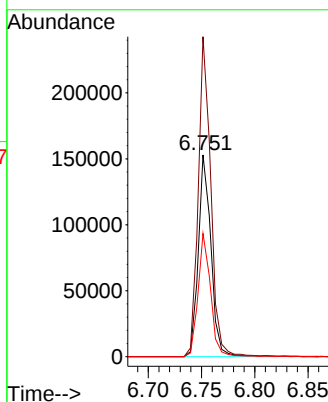
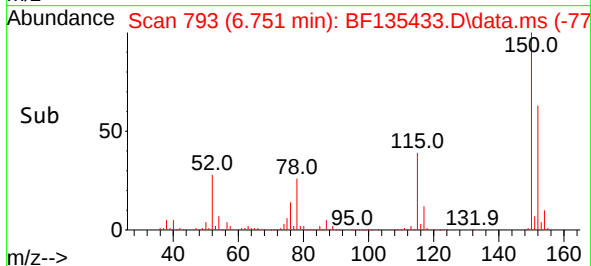
Instrument :
BNA_F
ClientSampleId :
EO-02-092223



Tgt Ion:152 Resp: 126938
Ion Ratio Lower Upper
152 100
150 158.6 127.8 191.6
115 61.1 49.8 74.8

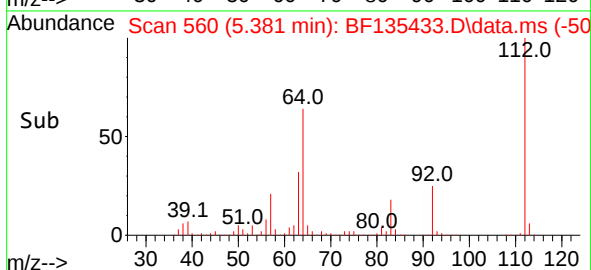
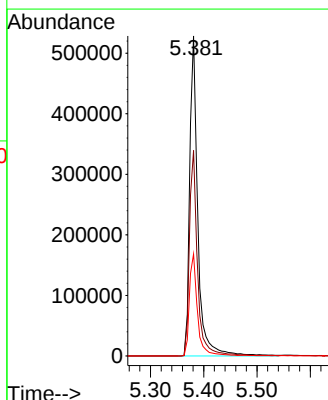
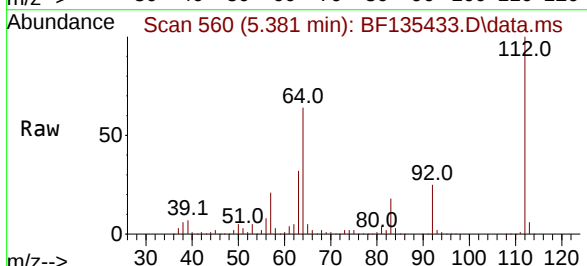
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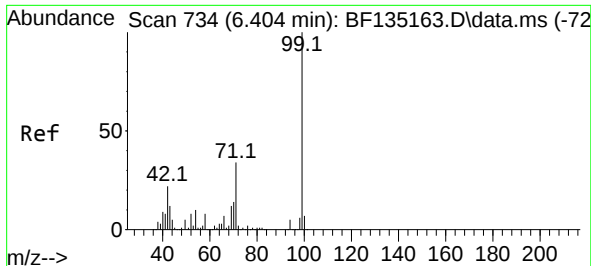
Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Jagrut Upadhyay 09/26/2023



#5
2-Fluorophenol
Concen: 72.047 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

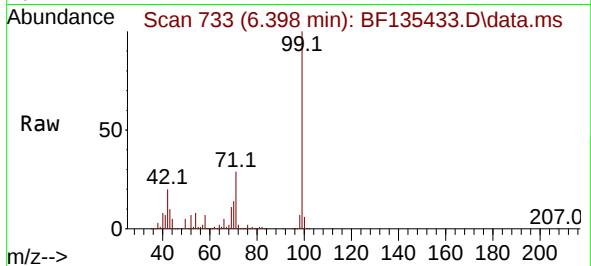
Tgt Ion:112 Resp: 562277
Ion Ratio Lower Upper
112 100
64 64.2 55.9 83.9
63 31.8 29.0 43.6





#7
Phenol-d6
Concen: 73.451 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

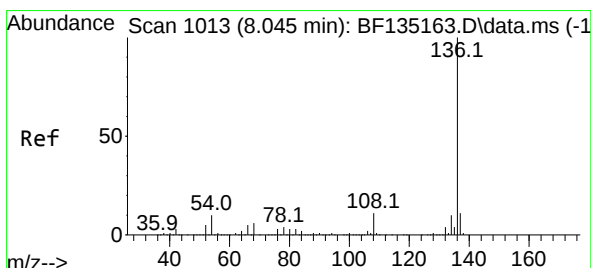
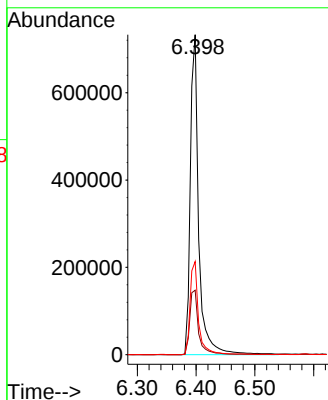
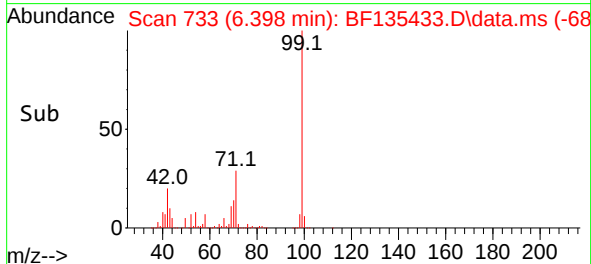
Instrument :
BNA_F
ClientSampleId :
EO-02-092223



Tgt Ion: 99 Resp: 728904
Ion Ratio Lower Upper
99 100
42 20.2 17.9 26.9
71 29.1 27.0 40.6

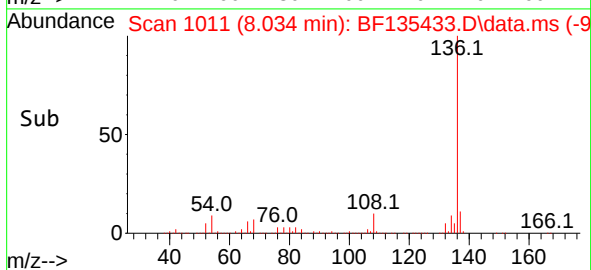
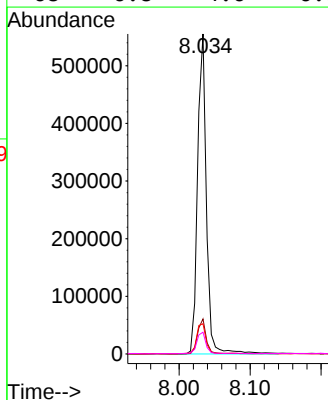
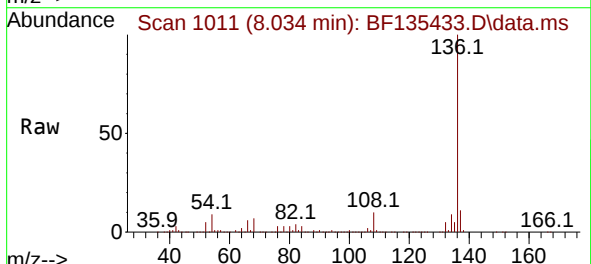
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

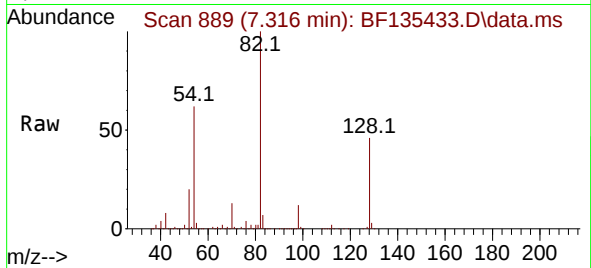
Tgt Ion:136 Resp: 482609
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.4 7.7 11.5
68 6.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 46.585 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

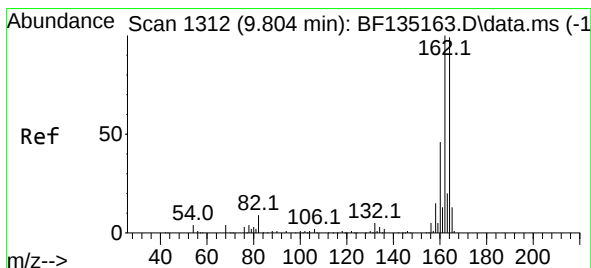
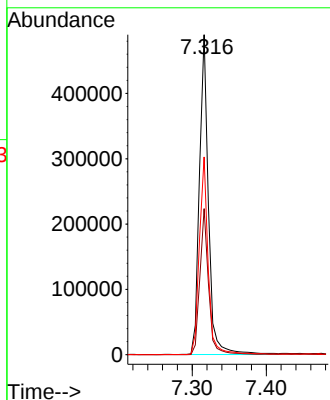
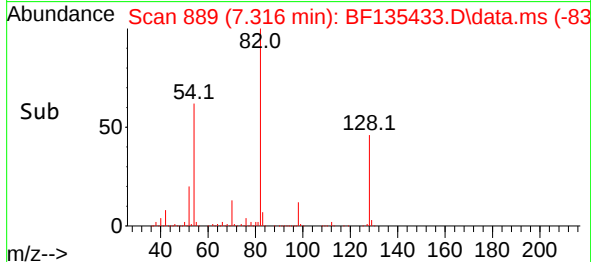
Instrument :
BNA_F
ClientSampleId :
EO-02-092223



Tgt Ion: 82 Resp: 41381
Ion Ratio Lower Upper
82 100
128 45.7 35.8 53.6
54 61.8 50.6 76.0

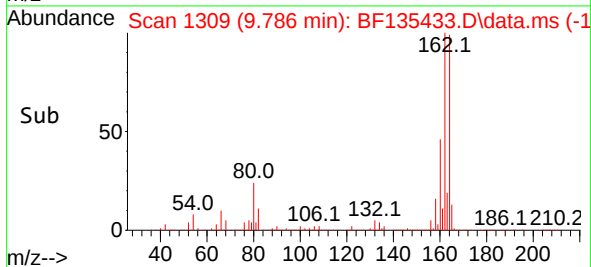
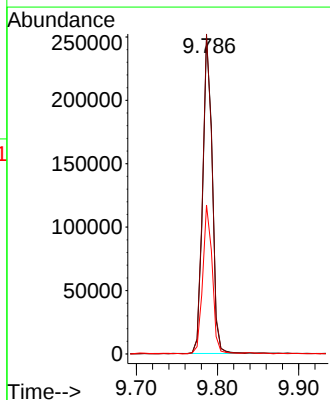
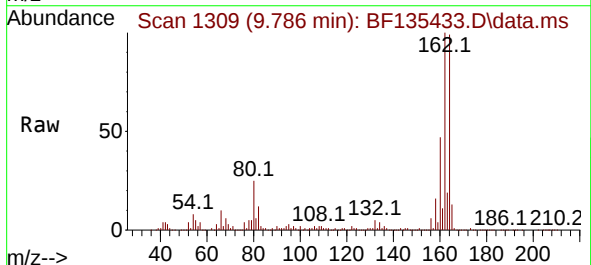
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Supervised By :Jagrut Upadhyay 09/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:164 Resp: 203357
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 47.1 37.0 55.4





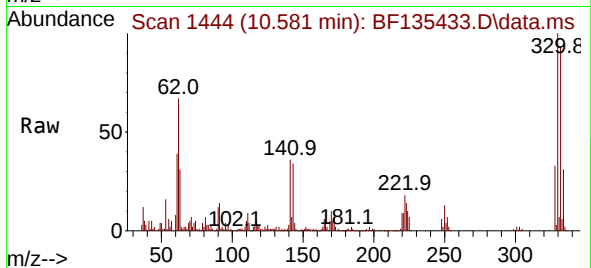
#42
2,4,6-Tribromophenol
Concen: 56.845 ng
RT: 10.581 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

EO-02-092223



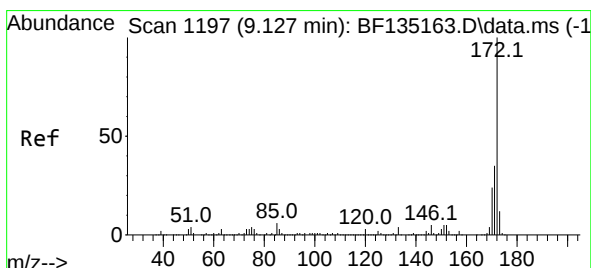
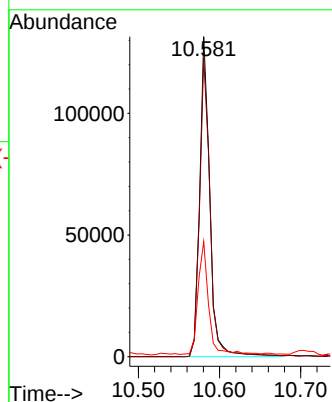
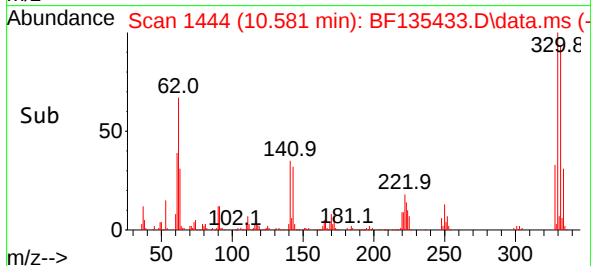
Tgt Ion:330 Resp: 114870
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 36.4 25.8 38.8

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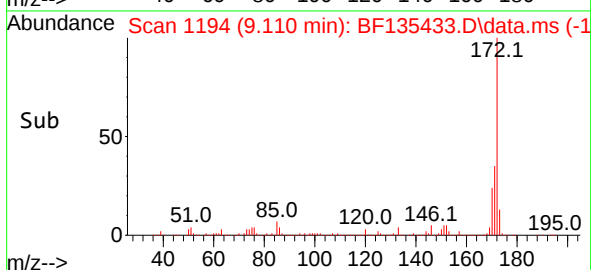
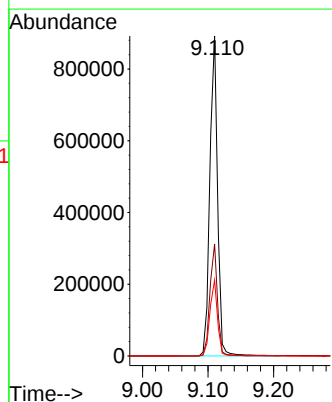
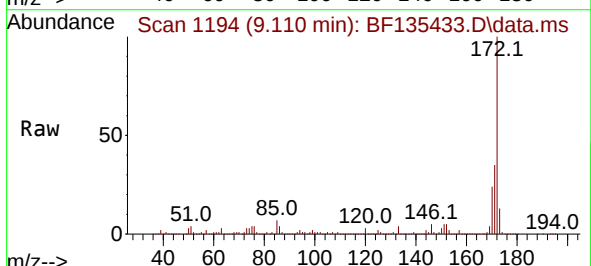
Reviewed By :Yogesh Patel 09/26/2023

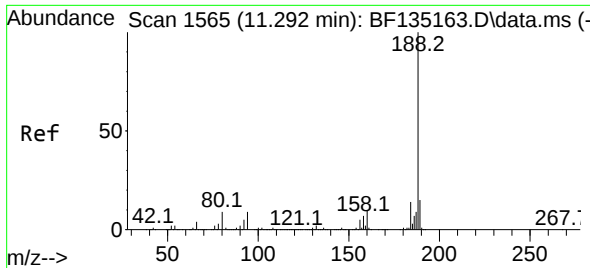
Supervised By :Jagrut Upadhyay 09/26/2023



#45
2-Fluorobiphenyl
Concen: 54.324 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:172 Resp: 732220
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

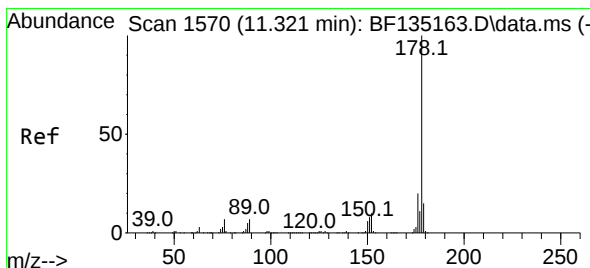
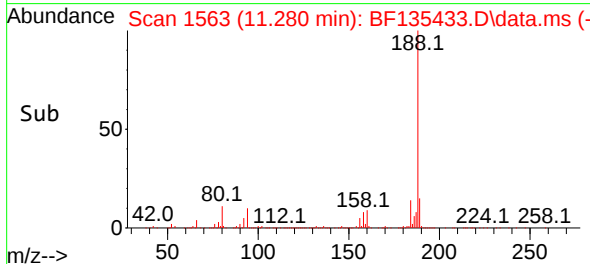
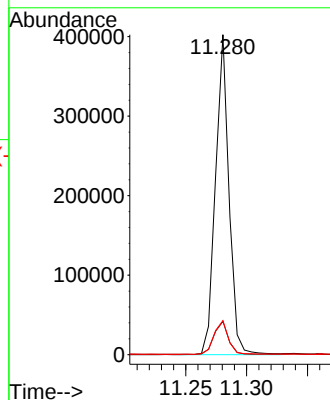
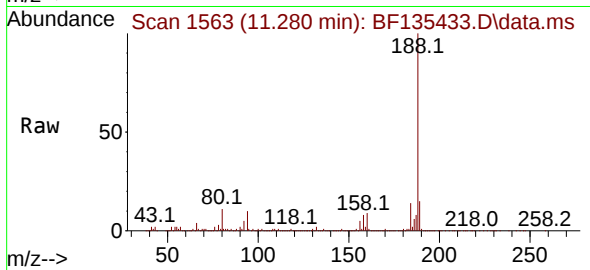
ClientSampleId :

EO-02-092223

Tgt Ion:188 Resp: 31118
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.6
80 10.7 7.5 11.3

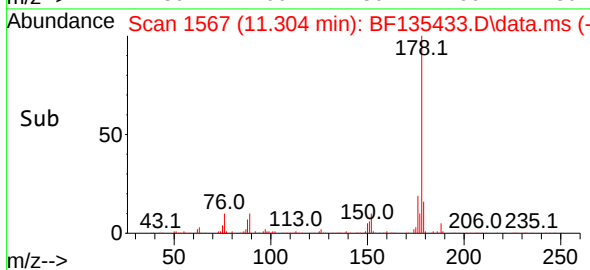
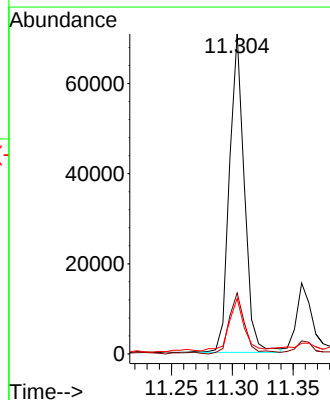
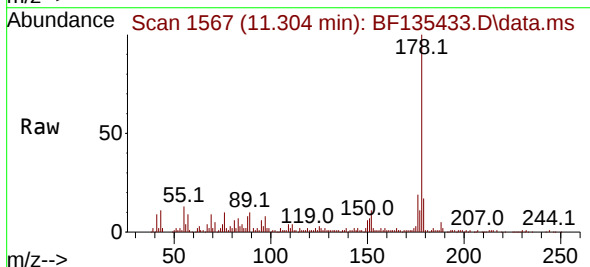
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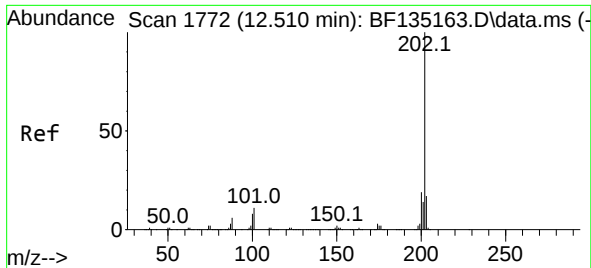
Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Jagrut Upadhyay 09/26/2023



#71
Phenanthrene
Concen: 4.088 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

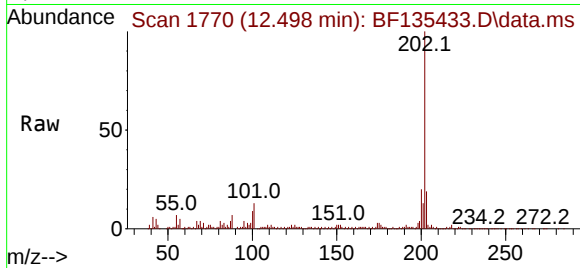
Tgt Ion:178 Resp: 60165
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 17.3 12.0 18.0





#75
Fluoranthene
Concen: 6.985 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

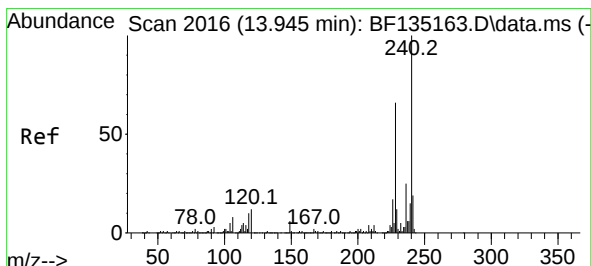
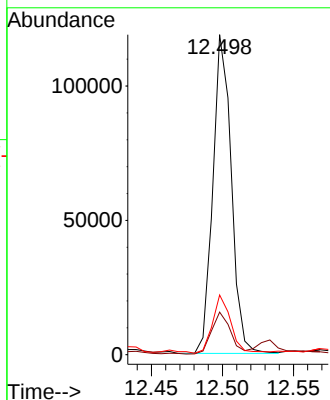
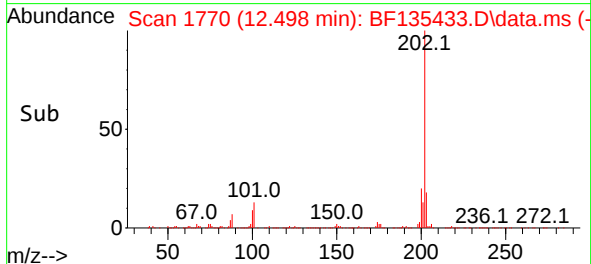
Instrument :
BNA_F
ClientSampleId :
EO-02-092223



Tgt Ion:202 Resp: 107110
Ion Ratio Lower Upper
202 100
101 13.3 0.0 31.3
203 18.6 0.0 37.4

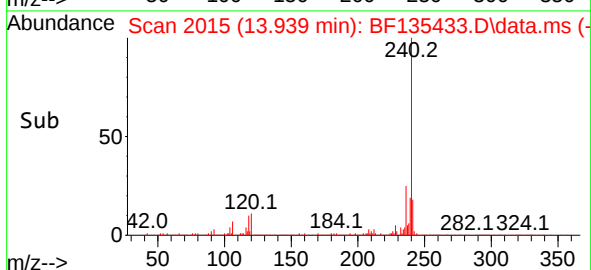
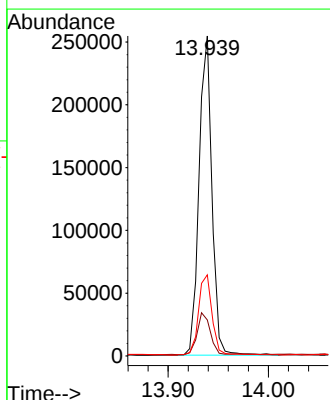
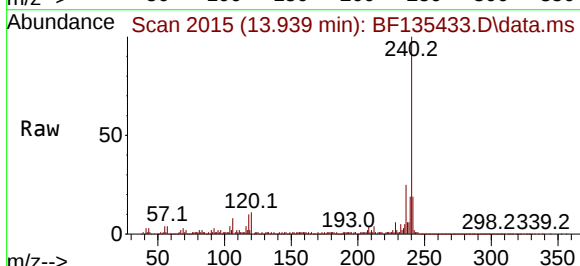
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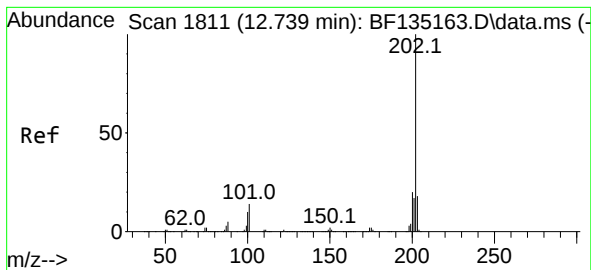
Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Jagrut Upadhyay 09/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:240 Resp: 228319
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.3 19.8 29.8





#78

Pyrene

Concen: 7.019 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135433.D

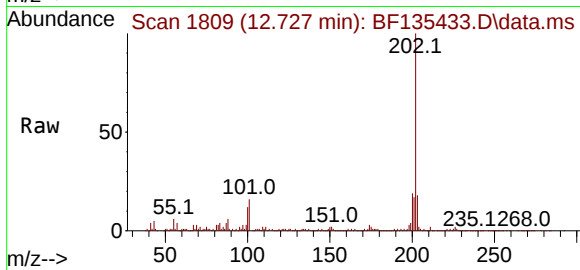
Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

EO-02-092223



Tgt Ion: 202 Resp: 152584

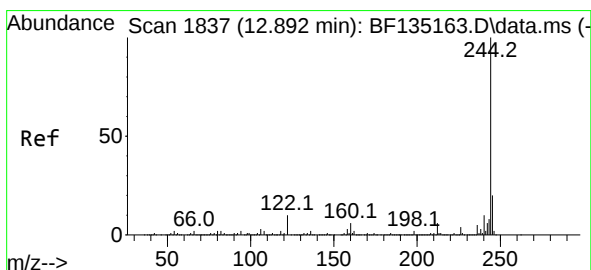
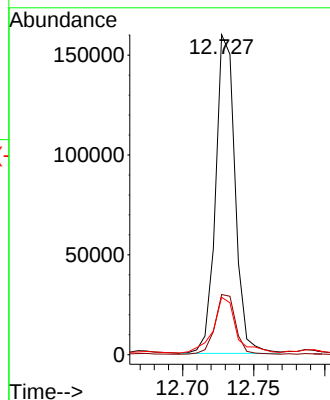
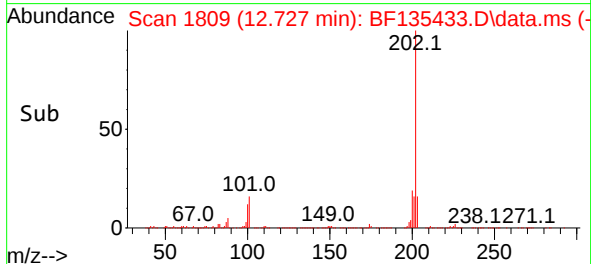
Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.2	24.2
203	18.0	14.2	21.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/26/2023



#79

Terphenyl-d14

Concen: 38.807 ng

RT: 12.874 min Scan# 1834

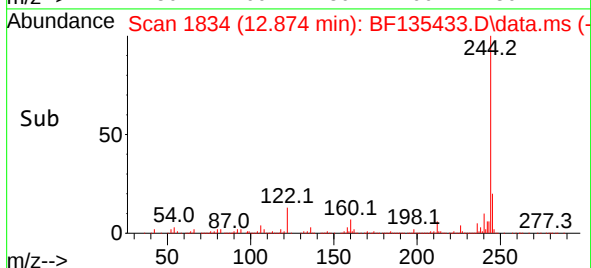
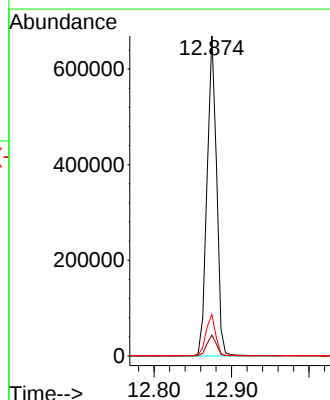
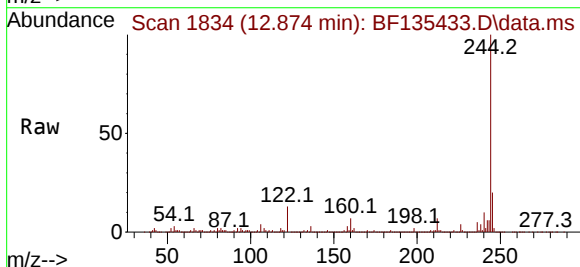
Delta R.T. -0.006 min

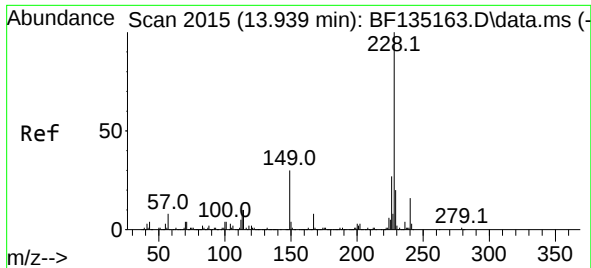
Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Tgt Ion: 244 Resp: 571569

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	12.9	7.9	11.9





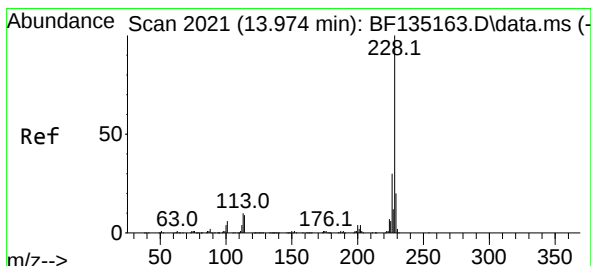
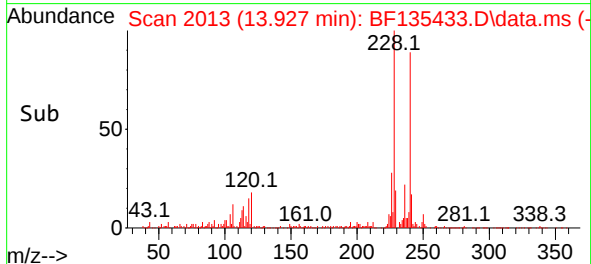
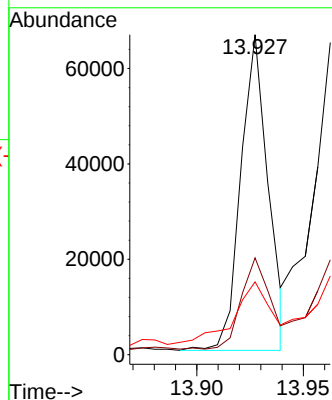
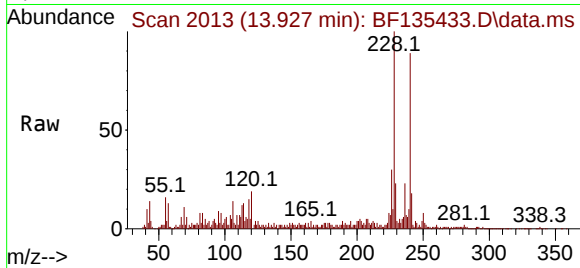
#81
Benzo(a)anthracene
Concen: 4.017 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Instrument :
BNA_F
ClientSampleId :
EO-02-092223

Tgt Ion:228 Resp: 5922
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 22.8 15.8 23.8

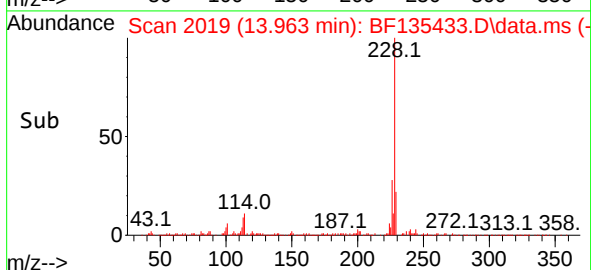
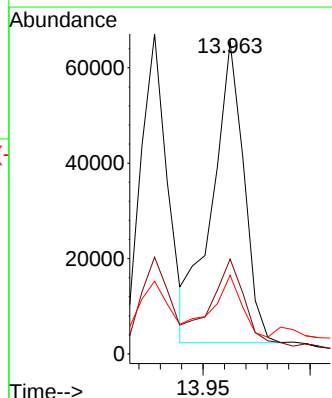
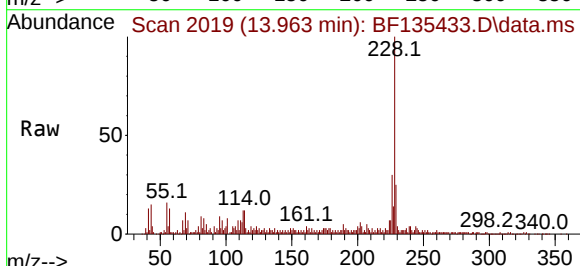
Manual Integrations
APPROVED

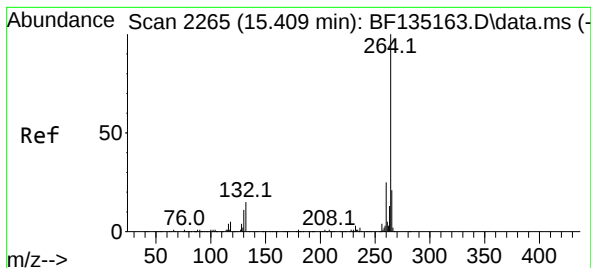
Reviewed By :Yogesh Patel 09/26/2023
Supervised By :Jagrut Upadhyay 09/26/2023



#83
Chrysene
Concen: 4.418 ng m
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:228 Resp: 64753
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 25.2 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

EO-02-092223

Tgt Ion:264 Resp: 19463

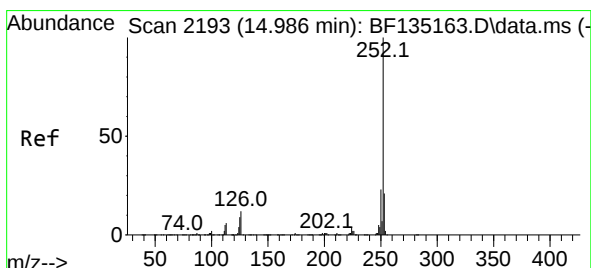
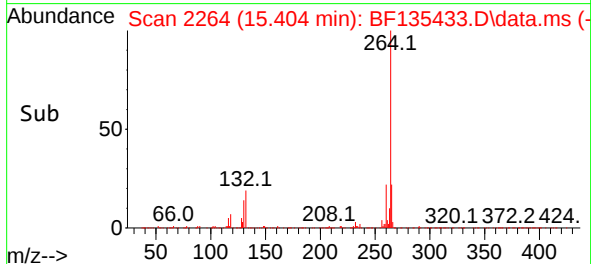
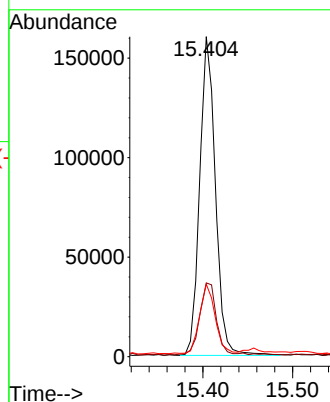
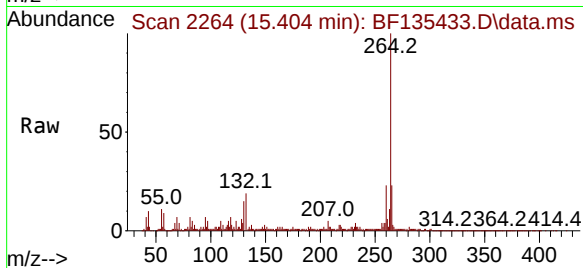
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.8	29.6
265	22.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2023

Supervised By :Jagrut Upadhyay 09/26/2023



#88

Benzo(b)fluoranthene

Concen: 5.202 ng m

RT: 14.980 min Scan# 2192

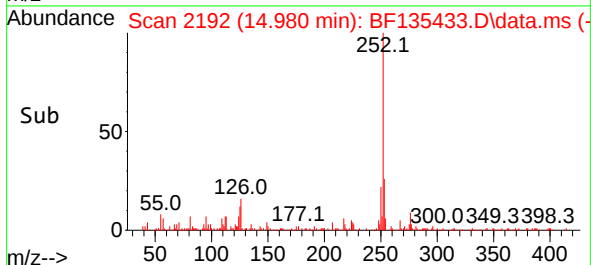
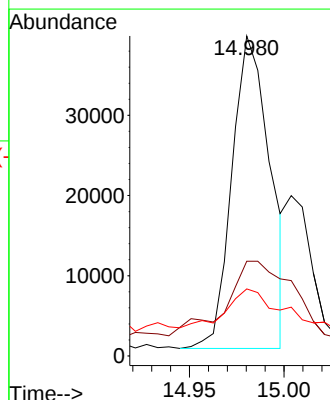
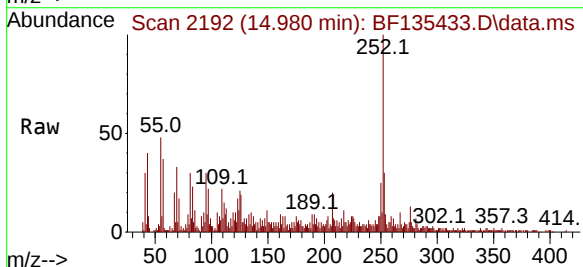
Delta R.T. 0.000 min

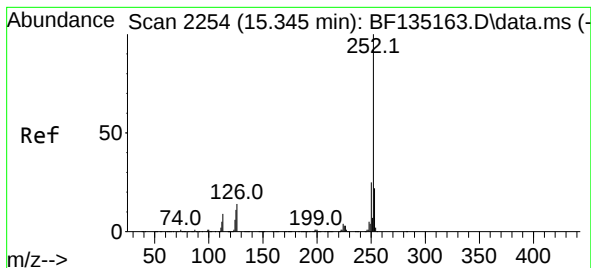
Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Tgt Ion:252 Resp: 54807

Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.2	25.8#
125	20.9	7.1	10.7#





#90

Benzo(a)pyrene

Concen: 4.249 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

EO-02-092223

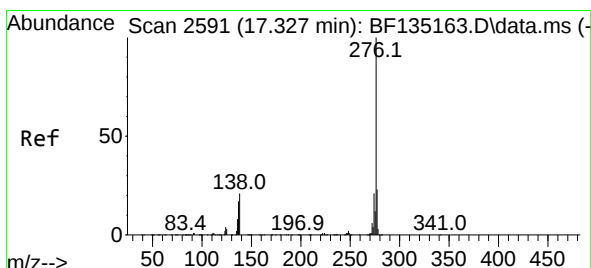
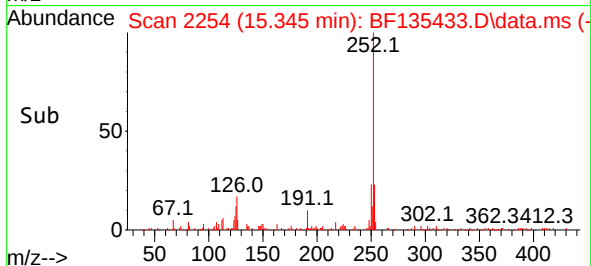
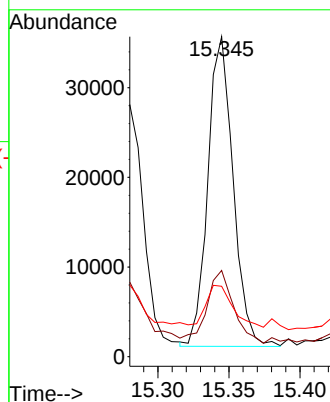
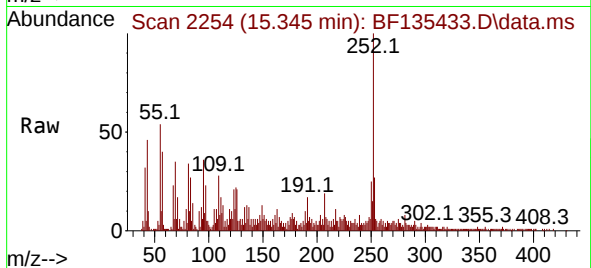
Tgt Ion:	252	Resp:	4269
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.5	26.3
125	22.0	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2023

Supervised By :Jagrut Upadhyay 09/26/2023



#92

Benzo(g,h,i)perylene

Concen: 2.202 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Tgt Ion:	276	Resp:	24016
Ion Ratio	Lower	Upper	
276	100		
277	29.3	18.8	28.2
138	31.3	16.9	25.3

