

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092624\
 Data File : BF139568.D
 Acq On : 27 Sep 2024 01:42
 Operator : RC/JU
 Sample : P4197-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-092524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/28/2024
 Supervised By :mohammad ahmed 09/28/2024

Quant Time: Sep 27 04:52:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85318	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	317926	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	163326	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	259641	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	165016	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	142687	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94789	18.124	ng	0.00
7) Phenol-d6	6.498	99	128662	18.743	ng	0.00
23) Nitrobenzene-d5	7.433	82	81574	12.062	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	22182	12.757	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	151639	13.022	ng	0.00
79) Terphenyl-d14	12.980	244	123463	12.281	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	31230	2.208	ng	99
71) Phenanthrene	11.421	178	114673	9.154	ng	100
72) Anthracene	11.469	178	26126	2.133	ng	97
75) Fluoranthene	12.610	202	175352	13.108	ng	98
78) Pyrene	12.839	202	171355	12.094	ng	99
81) Benzo(a)anthracene	14.027	228	95979m	8.781	ng	
83) Chrysene	14.057	228	96237	9.570	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	48108	5.670	ng	96
88) Benzo(b)fluoranthene	15.080	252	114956m	13.063	ng	
89) Benzo(k)fluoranthene	15.092	252	47053m	5.799	ng	
90) Benzo(a)pyrene	15.445	252	79975	10.958	ng	# 94
92) Benzo(g,h,i)perylene	17.427	276	47663	6.866	ng	# 94

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

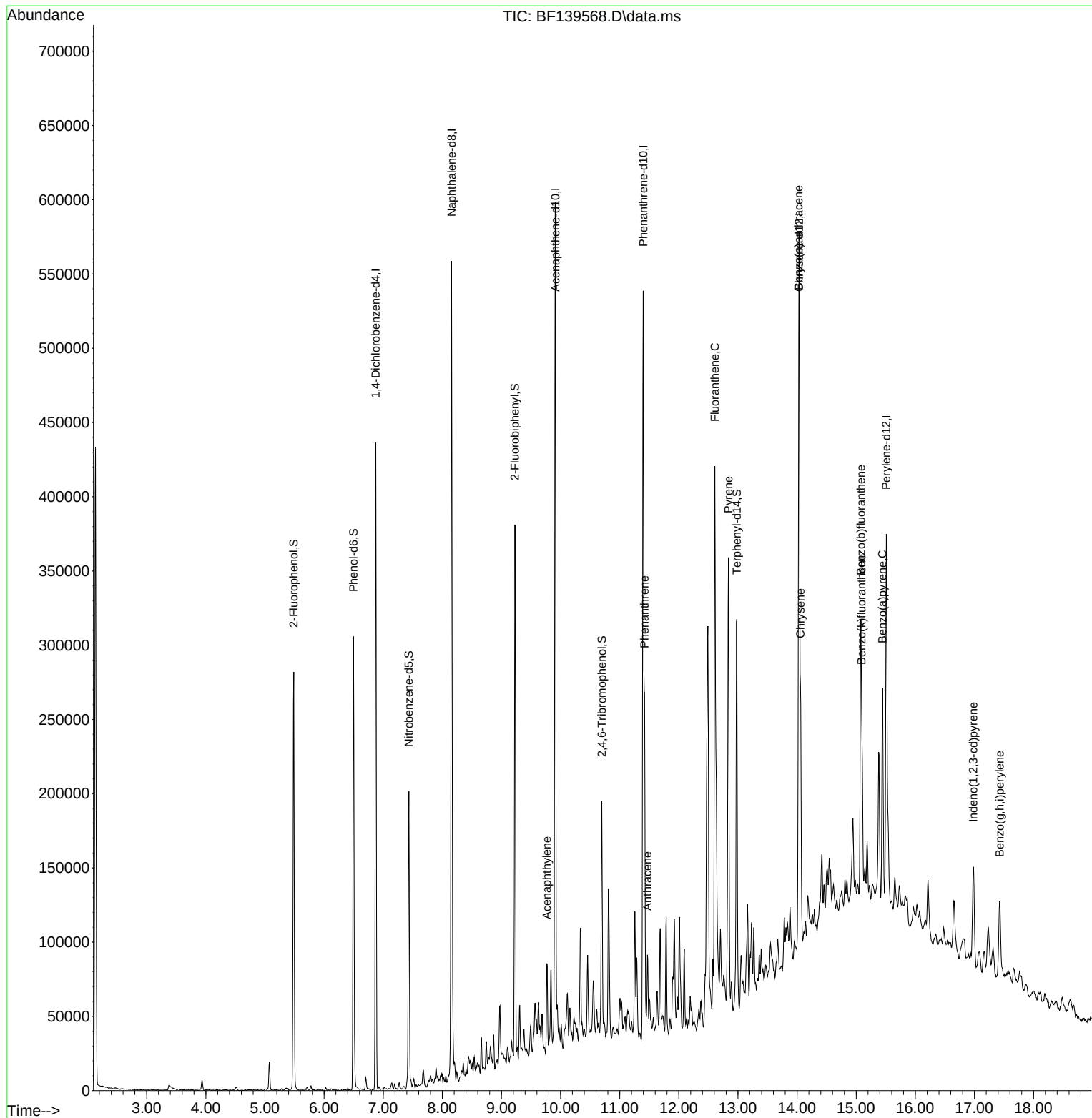
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092624\
Data File : BF139568.D
Acq On : 27 Sep 2024 01:42
Operator : RC/JU
Sample : P4197-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

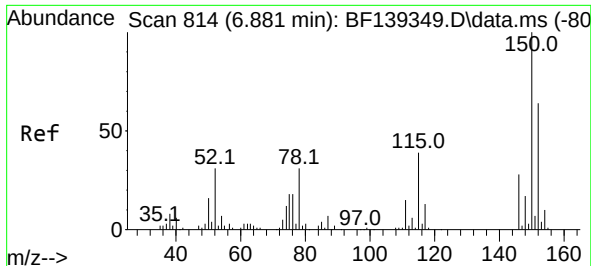
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

Quant Time: Sep 27 04:52:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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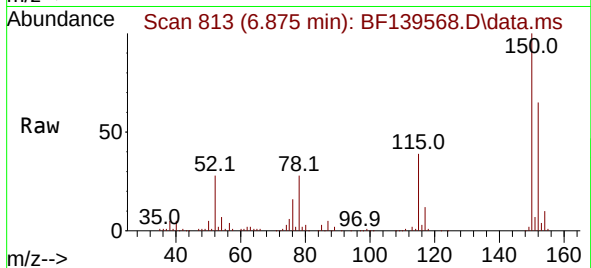
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



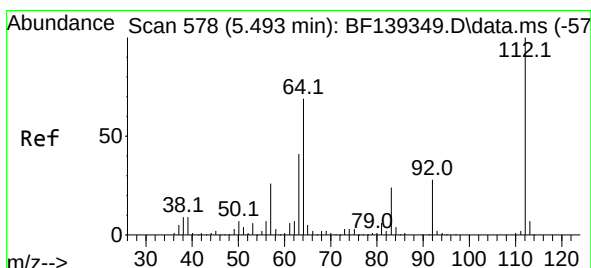
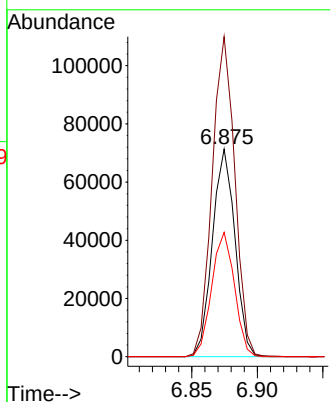
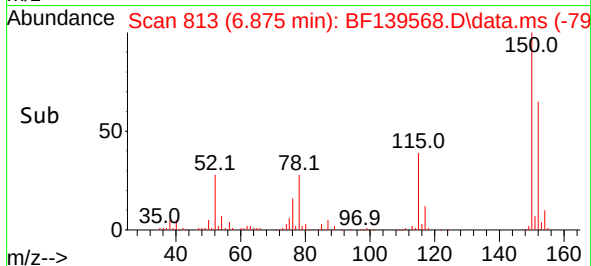
Tgt Ion:152 Resp: 85318
Ion Ratio Lower Upper
152 100
150 154.3 124.1 186.1
115 60.0 48.1 72.1

Manual Integrations

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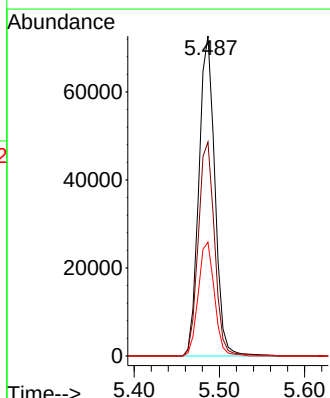
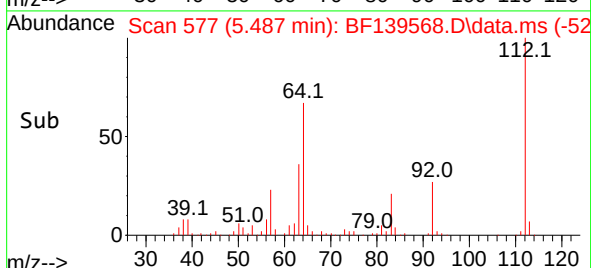
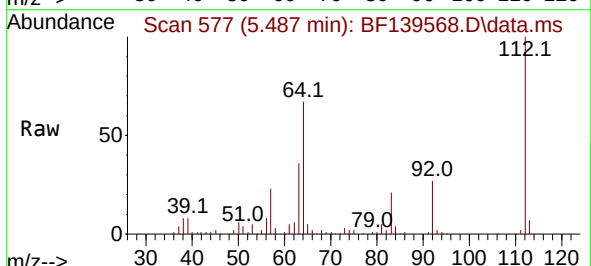
Reviewed By :Yogesh Patel 09/28/2024

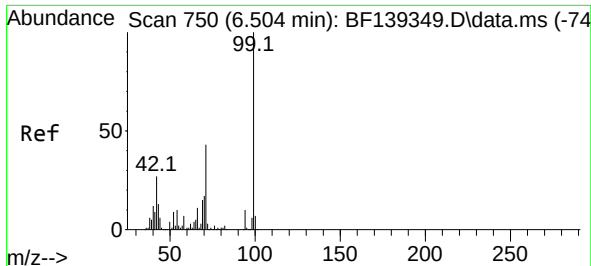
Supervised By :mohammad ahmed 09/28/2024



#5
2-Fluorophenol
Concen: 18.124 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

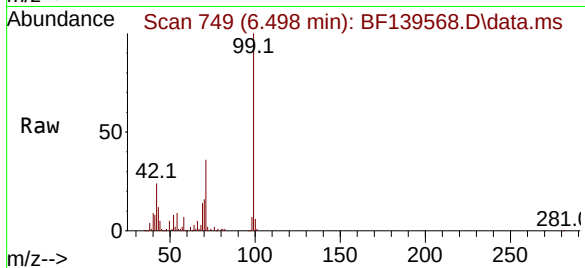
Tgt Ion:112 Resp: 94789
Ion Ratio Lower Upper
112 100
64 66.9 54.8 82.2
63 35.6 33.0 49.4





#7
Phenol-d6
Concen: 18.743 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

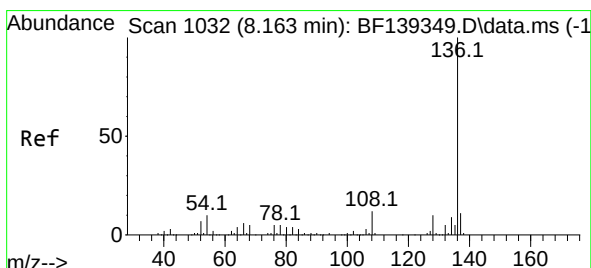
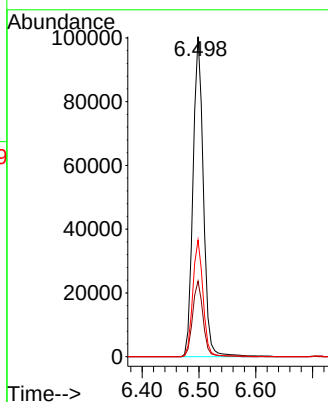
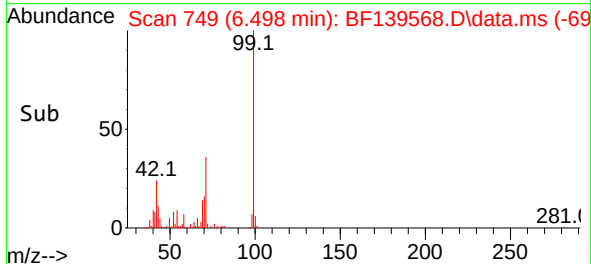
Instrument :
BNA_F
ClientSampleId :
EO-01-092524



Tgt Ion: 99 Resp: 128662
Ion Ratio Lower Upper
99 100
42 23.6 21.9 32.9
71 36.4 34.6 52.0

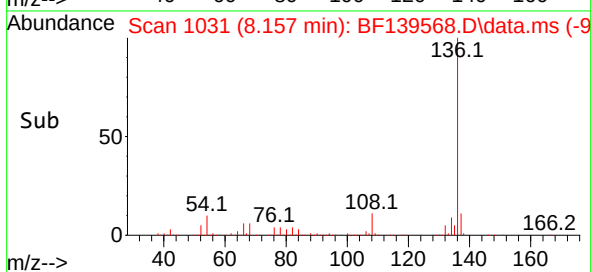
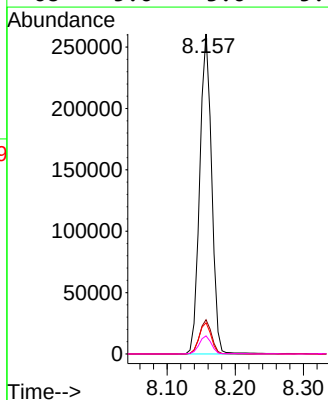
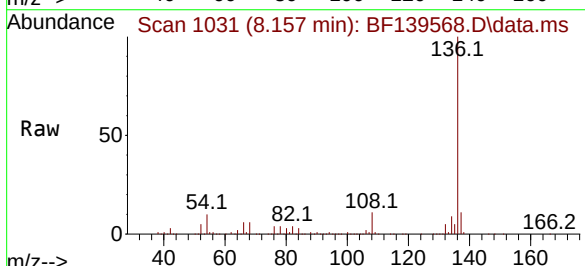
Manual Integrations
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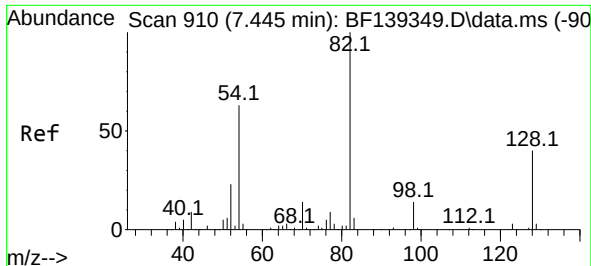
Reviewed By :Yogesh Patel 09/28/2024
Supervised By :mohammad ahmed 09/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:136 Resp: 317926
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 7.8 11.8
68 5.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 12.062 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139568.D

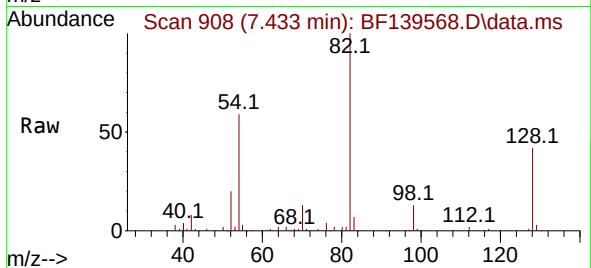
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



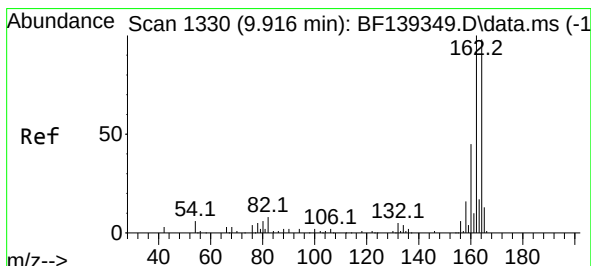
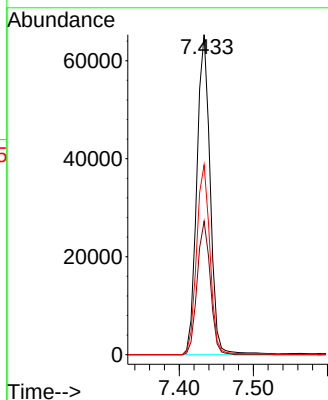
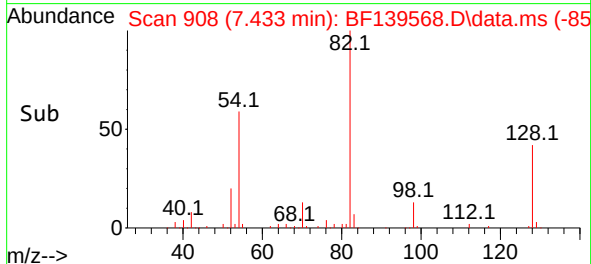
Tgt Ion:	82	Resp:	81574
Ion Ratio	Lower	Upper	
82	100		
128	41.7	31.8	47.6
54	59.3	50.6	75.8

Manual Integrations

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Supervised By :mohammad ahmed 09/28/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

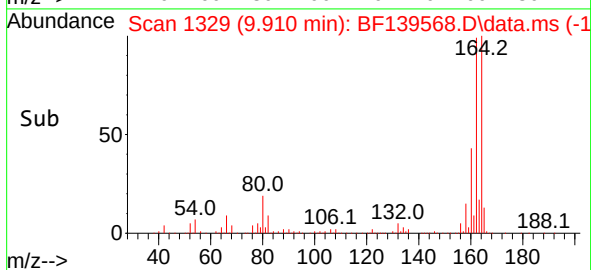
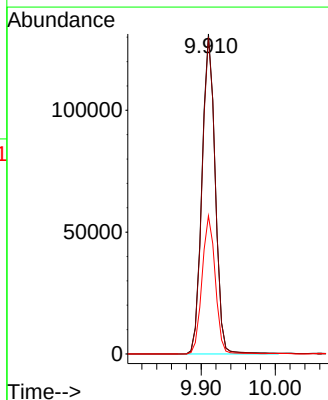
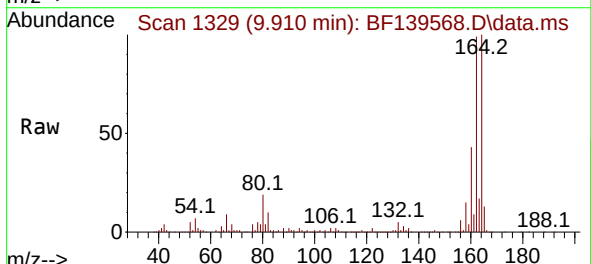
RT: 9.910 min Scan# 1329

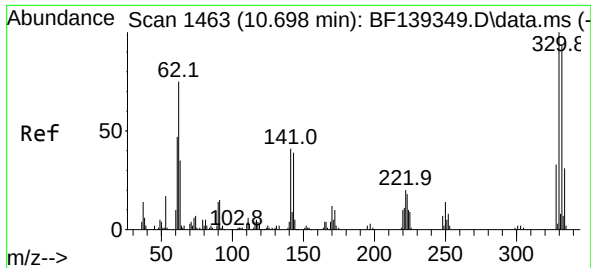
Delta R.T. -0.006 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

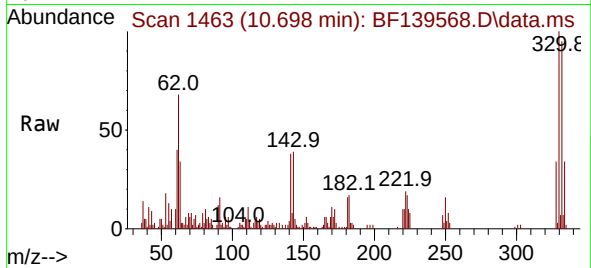
Tgt Ion:	164	Resp:	163326
Ion Ratio	Lower	Upper	
164	100		
162	99.1	81.3	121.9
160	43.1	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 12.757 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

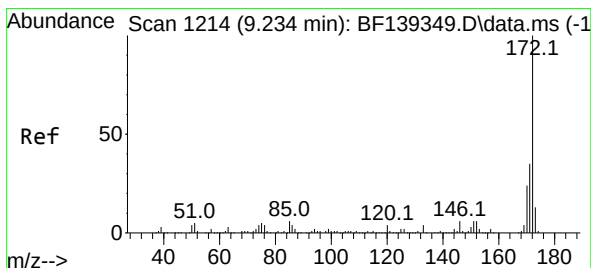
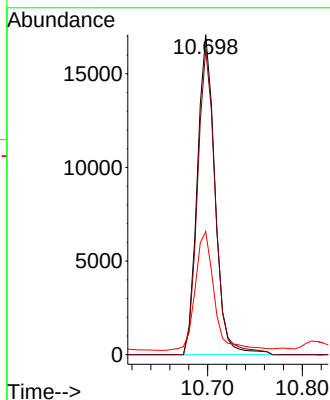
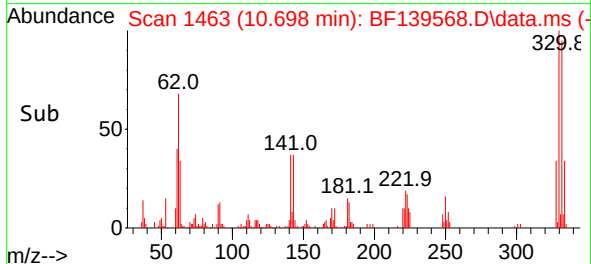
Instrument :
BNA_F
ClientSampleId :
EO-01-092524



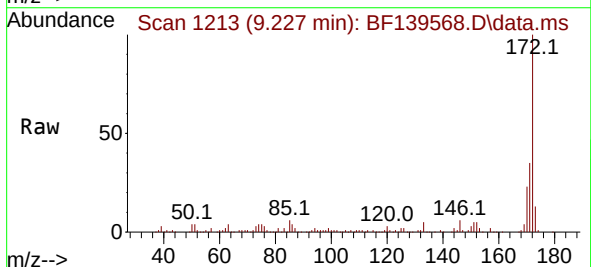
Tgt Ion: 330 Resp: 2218
Ion Ratio Lower Upper
330 100
332 96.6 75.2 112.8
141 40.1 31.2 46.8

Manual Integrations
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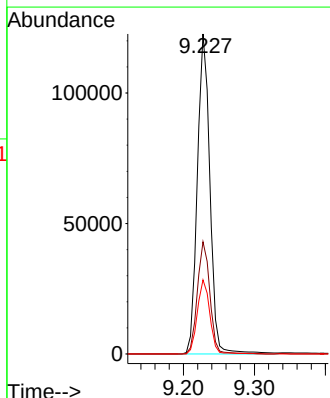
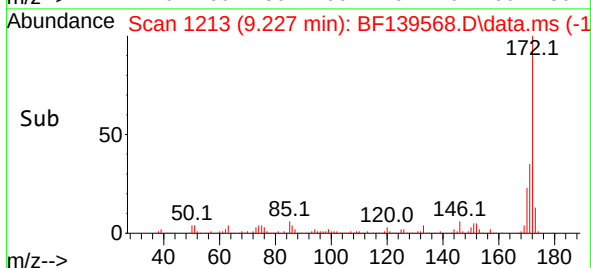
Reviewed By : Yogesh Patel 09/28/2024
Supervised By : mohammad ahmed 09/28/2024

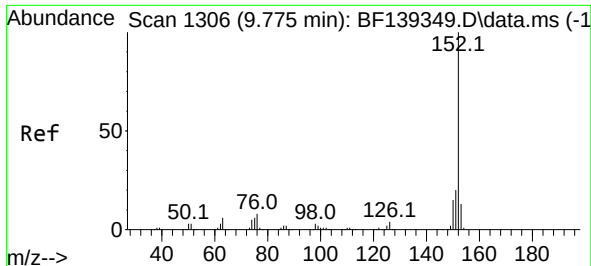


#45
2-Fluorobiphenyl
Concen: 13.022 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42



Tgt Ion: 172 Resp: 151639
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.1 19.0 28.6





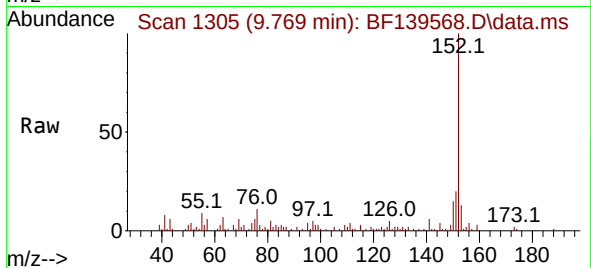
#49
Acenaphthylene
Concen: 2.208 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



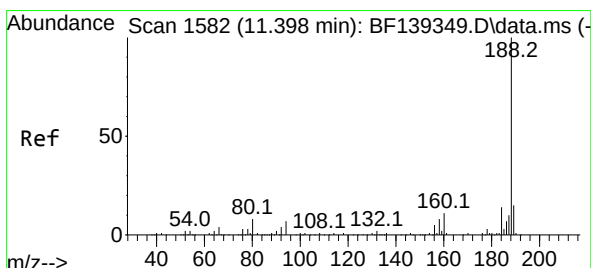
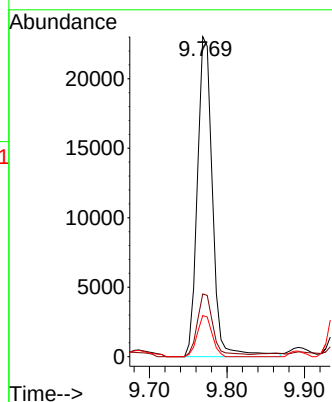
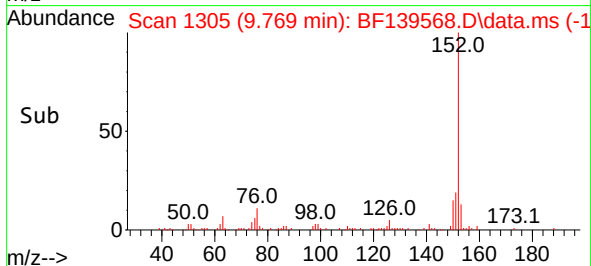
Tgt Ion:152 Resp: 31230
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 12.9 10.3 15.5

Manual Integrations

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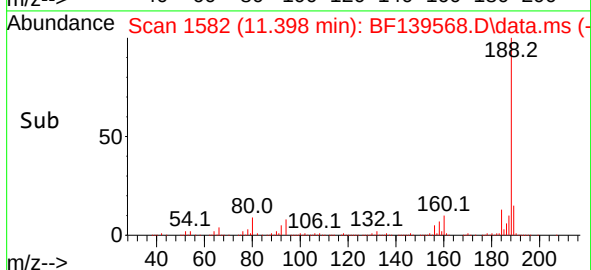
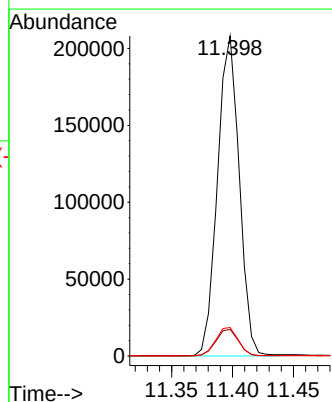
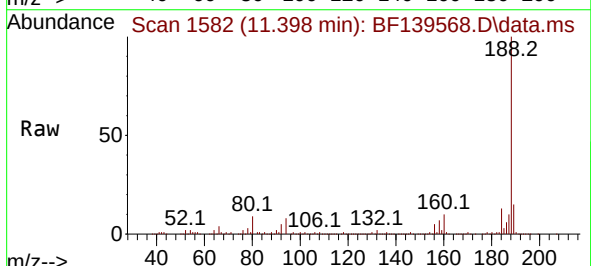
Reviewed By :Yogesh Patel 09/28/2024

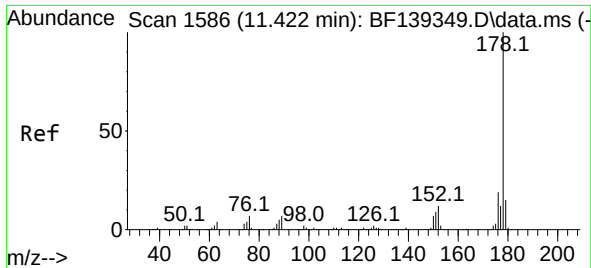
Supervised By :mohammad ahmed 09/28/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

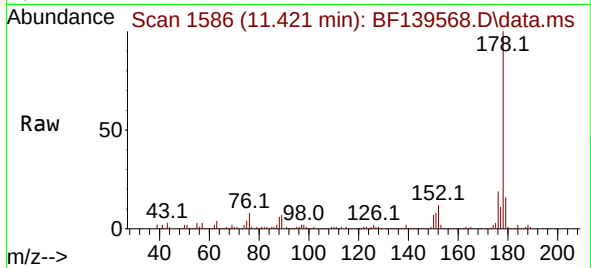
Tgt Ion:188 Resp: 259641
Ion Ratio Lower Upper
188 100
94 8.3 5.5 8.3#
80 8.9 6.6 9.8





#71
Phenanthrene
Concen: 9.154 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

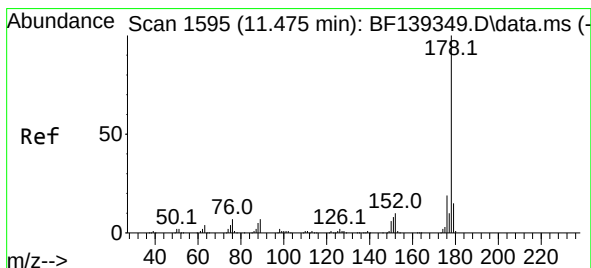
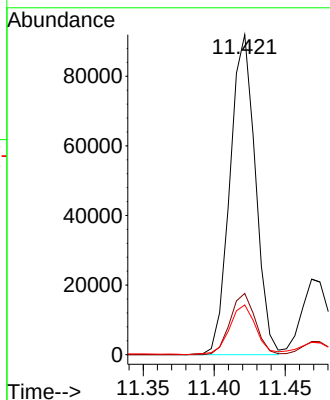
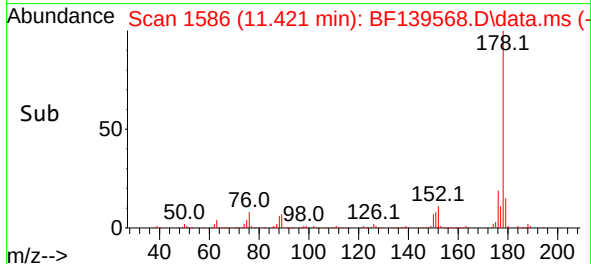
Instrument :
BNA_F
ClientSampleId :
EO-01-092524



Tgt Ion:178 Resp: 11467
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.6 12.2 18.4

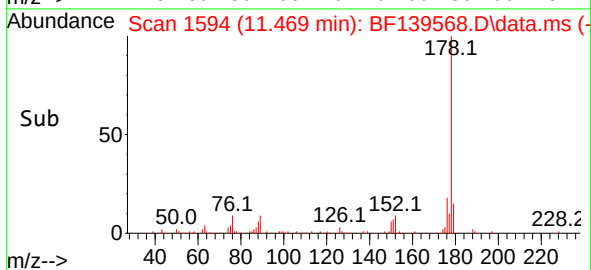
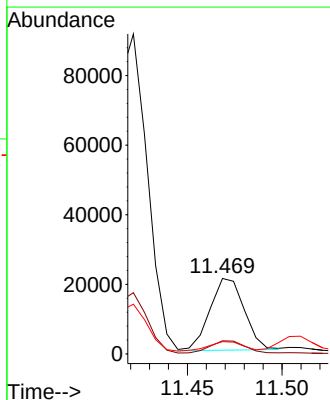
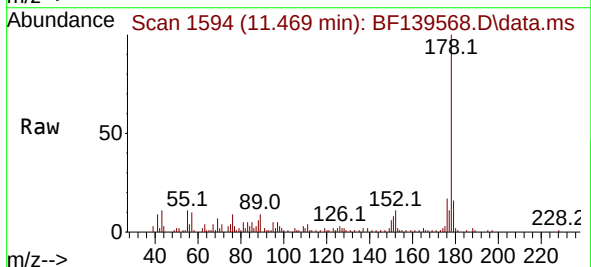
Manual Integrations
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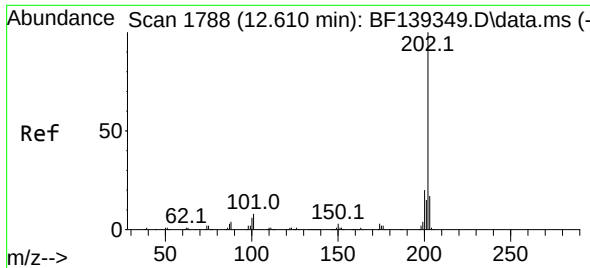
Reviewed By :Yogesh Patel 09/28/2024
Supervised By :mohammad ahmed 09/28/2024



#72
Anthracene
Concen: 2.133 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

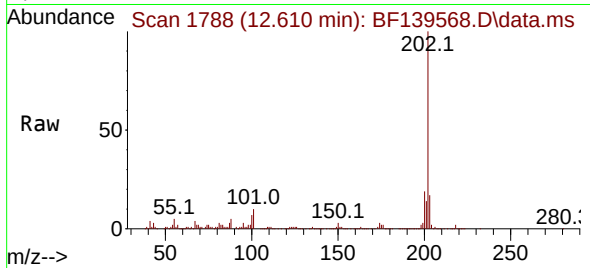
Tgt Ion:178 Resp: 26126
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 16.4 12.0 18.0





#75
Fluoranthene
Concen: 13.108 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

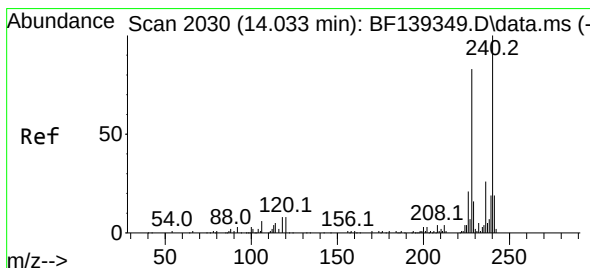
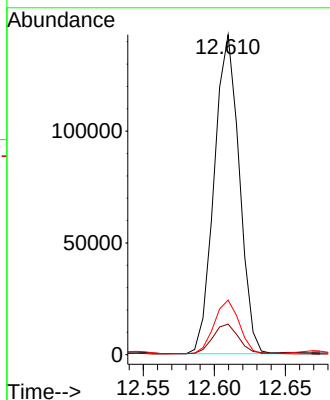
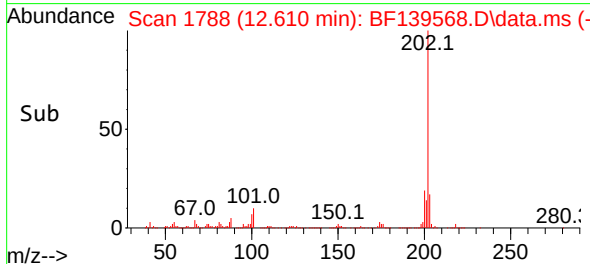
Instrument :
BNA_F
ClientSampleId :
EO-01-092524



Tgt Ion:202 Resp: 175352
Ion Ratio Lower Upper
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101 9.5 0.0 27.7
203 17.0 0.0 37.4

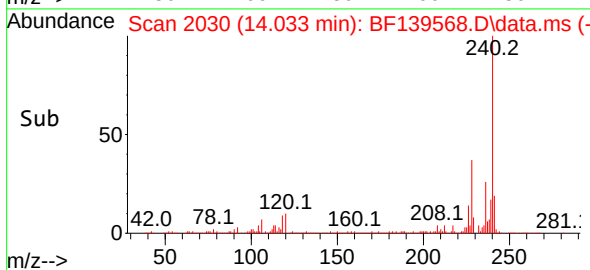
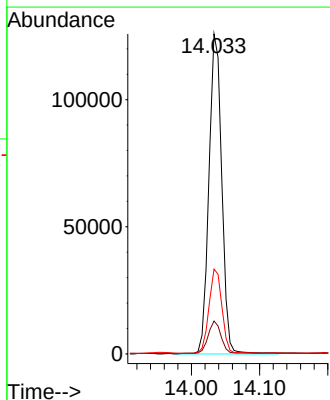
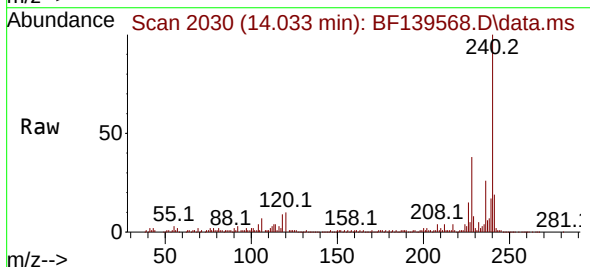
Manual Integrations
APPROVED

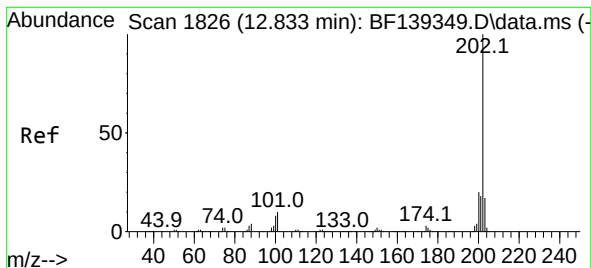
Reviewed By :Yogesh Patel 09/28/2024
Supervised By :mohammad ahmed 09/28/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:240 Resp: 165016
Ion Ratio Lower Upper
240 100
120 10.3 6.2 9.2#
236 26.5 20.9 31.3





#78

Pyrene

Concen: 12.094 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

Tgt Ion:202 Resp: 17135

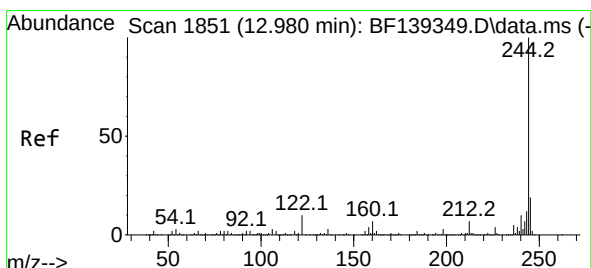
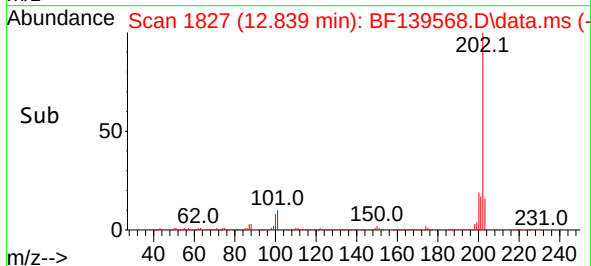
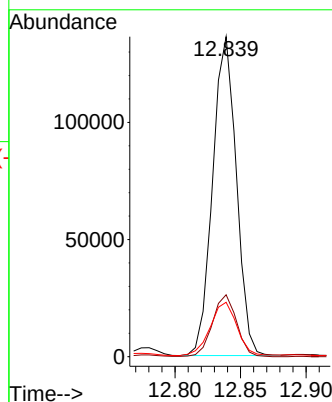
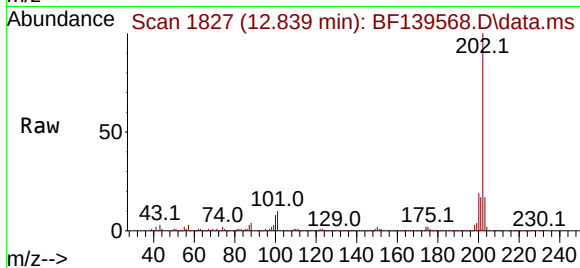
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.2	24.2
203	17.0	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#79

Terphenyl-d14

Concen: 12.281 ng

RT: 12.980 min Scan# 1851

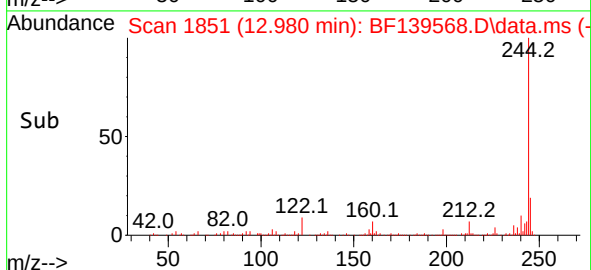
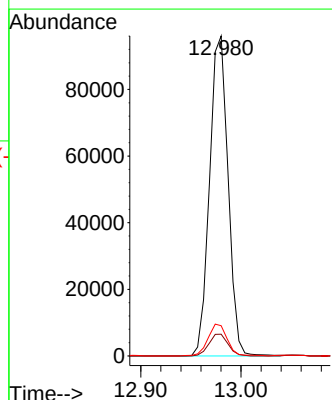
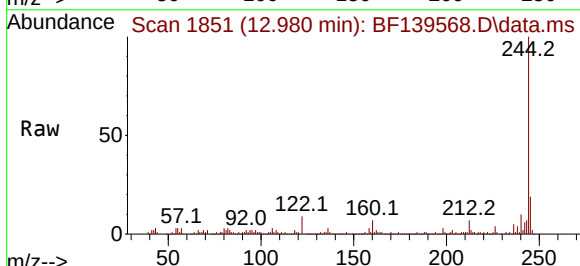
Delta R.T. -0.000 min

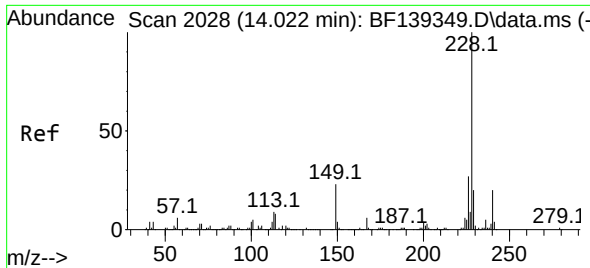
Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Tgt Ion:244 Resp: 123463

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.5	7.6	11.4





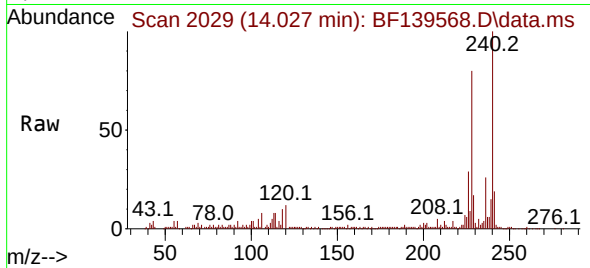
#81
Benzo(a)anthracene
Concen: 8.781 ng m
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



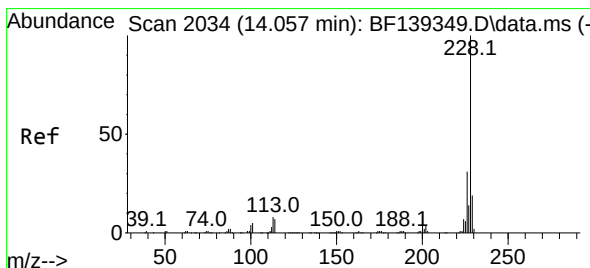
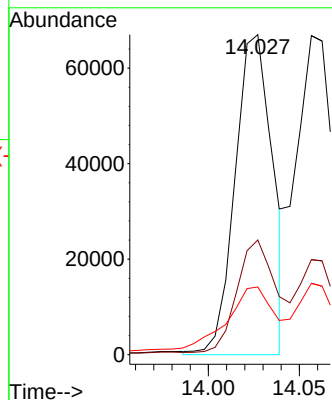
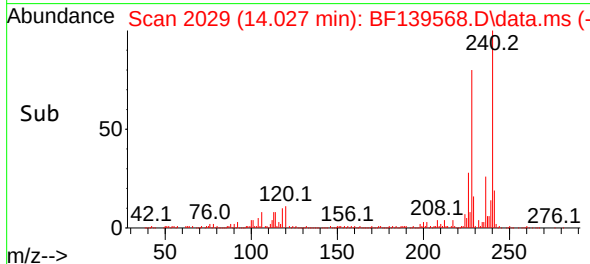
Tgt Ion:228 Resp: 95979
Ion Ratio Lower Upper
228 100
226 35.8 21.6 32.4
229 21.1 15.7 23.5

Manual Integrations

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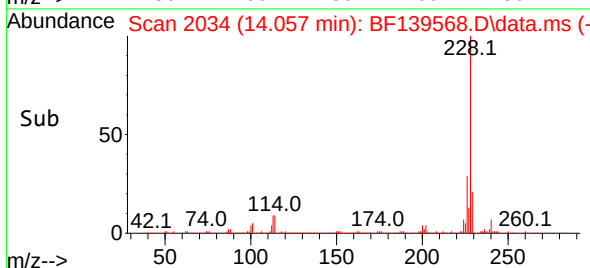
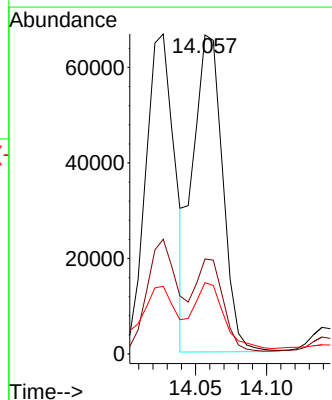
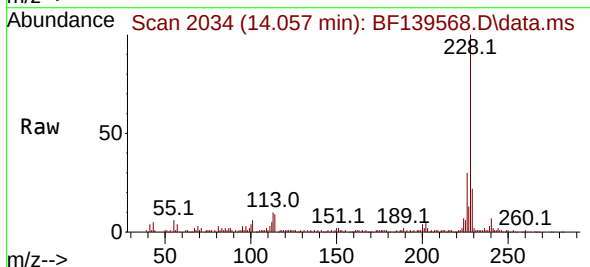
Reviewed By :Yogesh Patel 09/28/2024

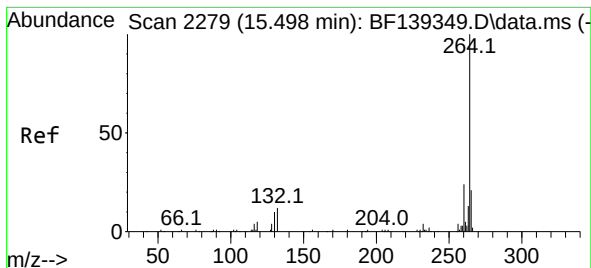
Supervised By :mohammad ahmed 09/28/2024



#83
Chrysene
Concen: 9.570 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:228 Resp: 96237
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 22.3 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139568.D

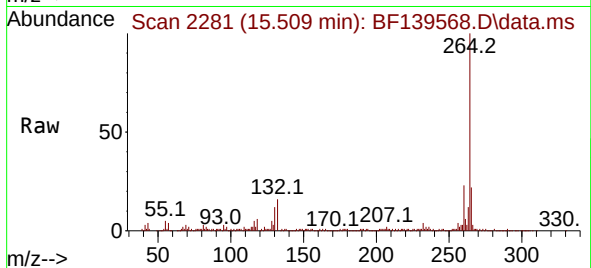
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



Tgt Ion:264 Resp: 14268

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

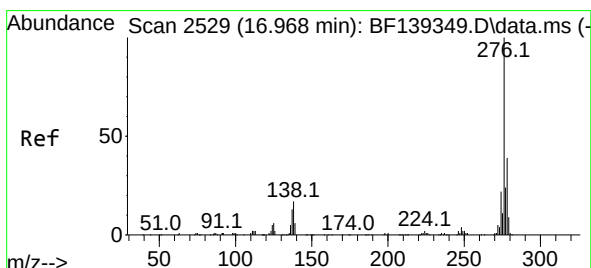
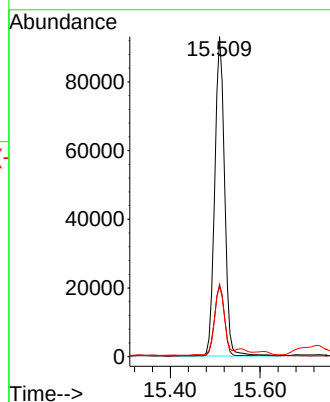
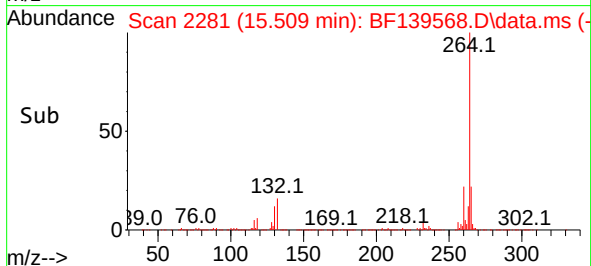
265 22.0 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.670 ng

RT: 16.980 min Scan# 2531

Delta R.T. 0.012 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

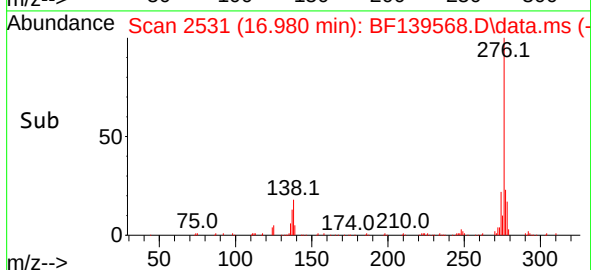
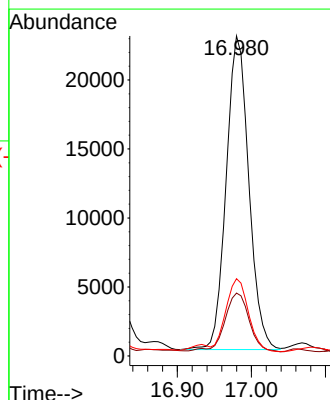
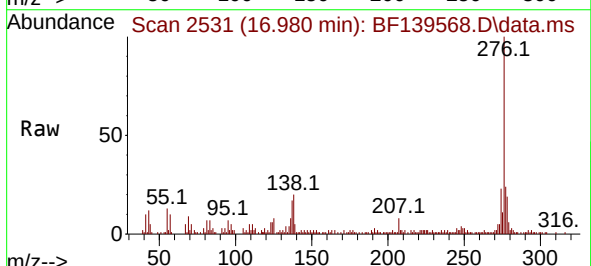
Tgt Ion:276 Resp: 48108

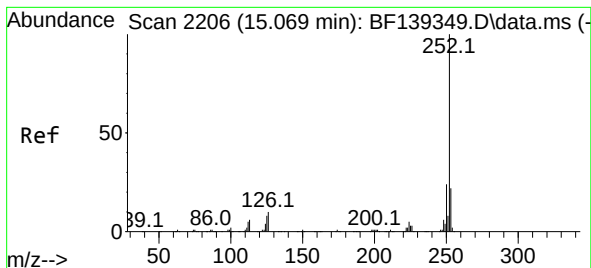
Ion Ratio Lower Upper

276 100

138 20.4 15.4 23.2

277 23.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.063 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139568.D

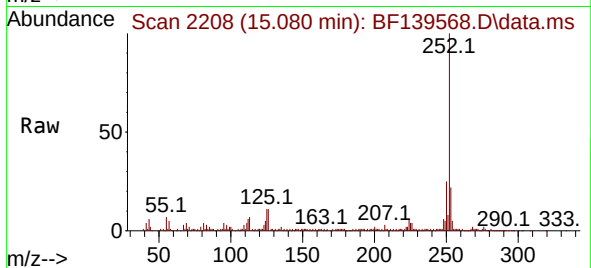
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



Tgt Ion:252 Resp: 114950

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

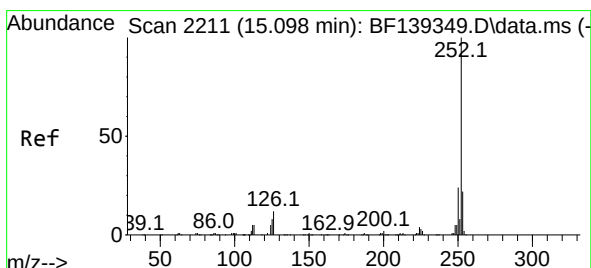
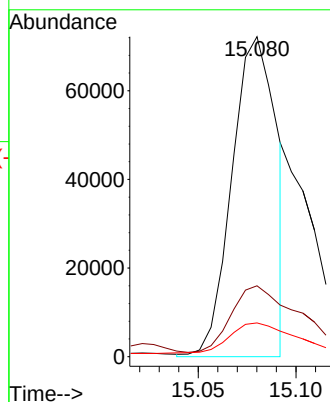
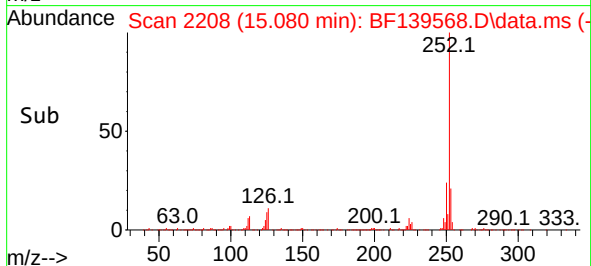
125 10.6 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#89

Benzo(k)fluoranthene

Concen: 5.799 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

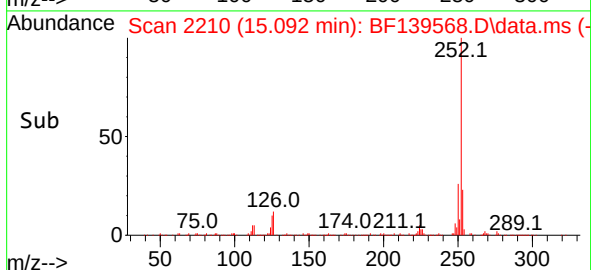
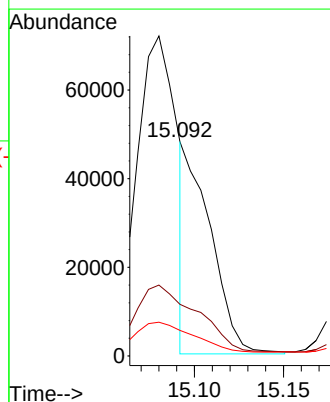
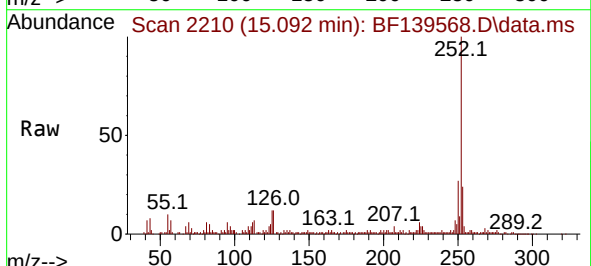
Tgt Ion:252 Resp: 47053

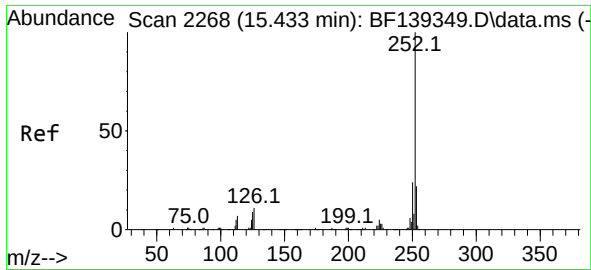
Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

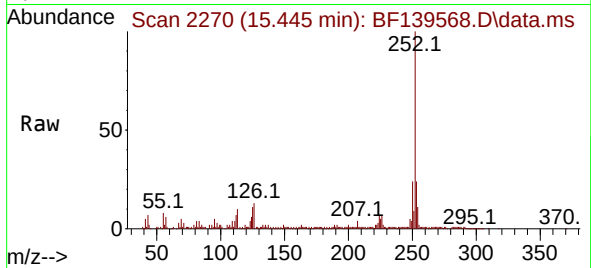
125 12.0 5.9 8.9





#90
Benzo(a)pyrene
Concen: 10.958 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

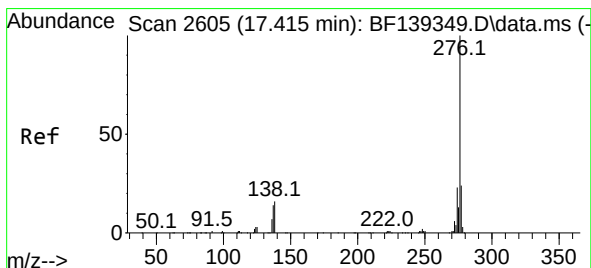
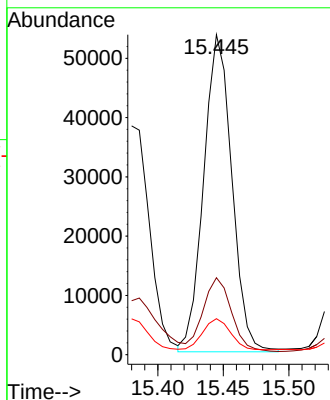
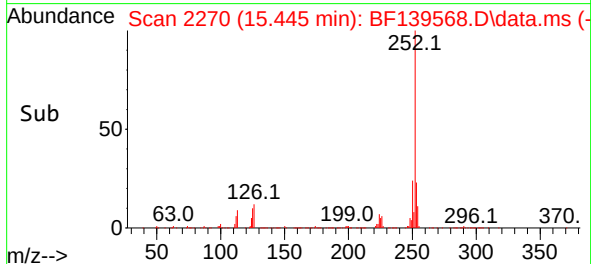
Instrument :
BNA_F
ClientSampleId :
EO-01-092524



Tgt Ion:252 Resp: 7997
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 11.3 6.8 10.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/28/2024
Supervised By :mohammad ahmed 09/28/2024



#92
Benzo(g,h,i)perylene
Concen: 6.866 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:276 Resp: 47663
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 20.8 13.0 19.6

