

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130950.D
 Acq On : 03 Nov 2022 01:58
 Operator : CG\JU
 Sample : N5392-01DL 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122DL

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

Quant Time: Nov 03 03:52:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	60025	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	184690	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	87889	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	174797	20.000	ng	0.00
76) Chrysene-d12	14.115	240	169326	20.000	ng	0.00
86) Perylene-d12	15.627	264	115276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	76327	22.044	ng	-0.01
7) Phenol-d6	6.534	99	84953	18.881	ng	-0.01
23) Nitrobenzene-d5	7.481	82	54281	17.722	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	18279	24.706	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	86889	14.947	ng	-0.01
79) Terphenyl-d14	13.051	244	123035	13.315	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.828	152	28817	3.632	ng	98
52) Acenaphthene	9.998	154	10956	2.233	ng	96
55) Dibenzofuran	10.175	168	16349	2.299	ng	97
58) Fluorene	10.516	166	29031	5.184	ng	99
71) Phenanthrene	11.486	178	304451	33.746	ng	99
72) Anthracene	11.539	178	95117	10.689	ng	97
73) Carbazole	11.692	167	19783	2.483	ng	97
75) Fluoranthene	12.680	202	539716	56.305	ng	99
78) Pyrene	12.916	202	439240	30.747	ng	99
81) Benzo(a)anthracene	14.104	228	276449	24.625	ng	95
83) Chrysene	14.139	228	214760	19.833	ng	97
87) Indeno(1,2,3-cd)pyrene	17.162	276	81260	10.615	ng	95
88) Benzo(b)fluoranthene	15.180	252	229450m	30.791	ng	
89) Benzo(k)fluoranthene	15.204	252	77249m	10.639	ng	
90) Benzo(a)pyrene	15.562	252	140678	23.484	ng	96
91) Dibenzo(a,h)anthracene	17.174	278	21146	3.388	ng	# 83
92) Benzo(g,h,i)perylene	17.633	276	71548	11.238	ng	94

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

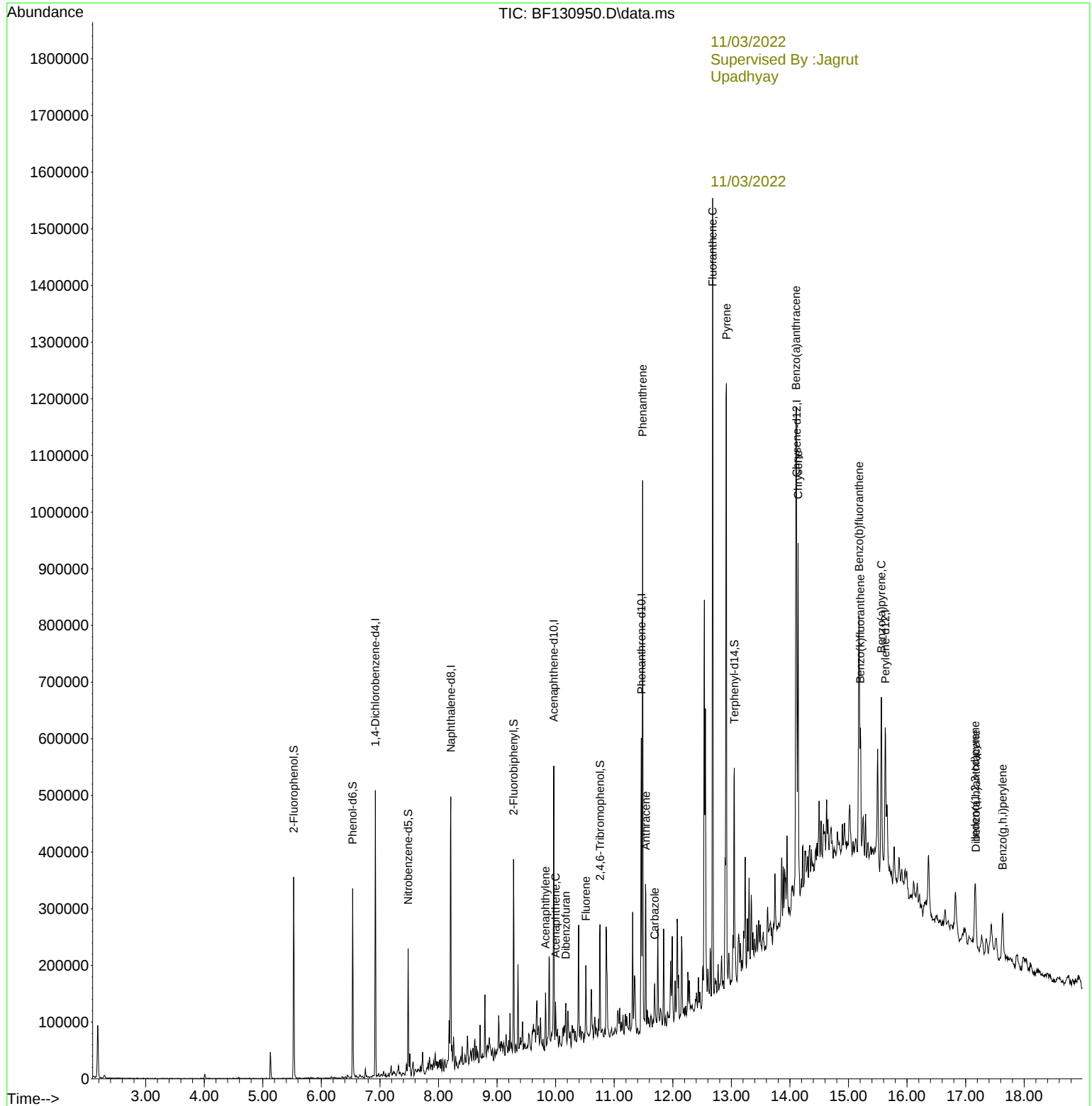
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
Data File : BF130950.D
Acq On : 03 Nov 2022 01:58
Operator : CG\JU
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Instrument :
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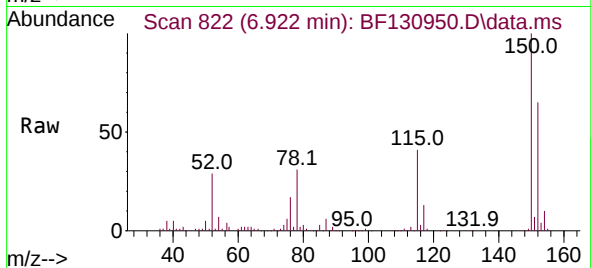
Quant Time: Nov 03 03:52:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 03 03:37:09 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

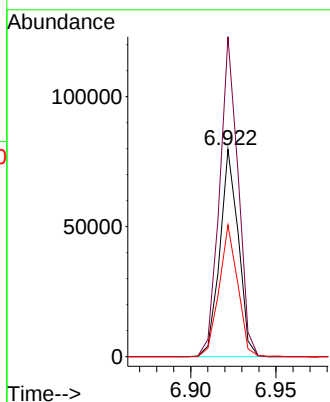
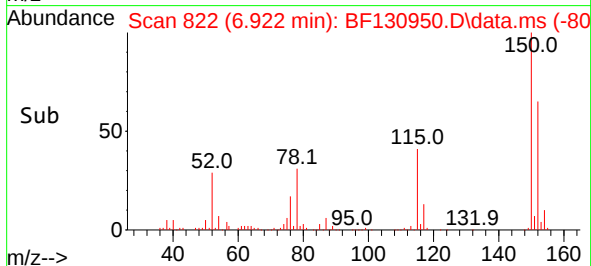
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:152 Resp: 60025
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 63.5 50.1 75.1

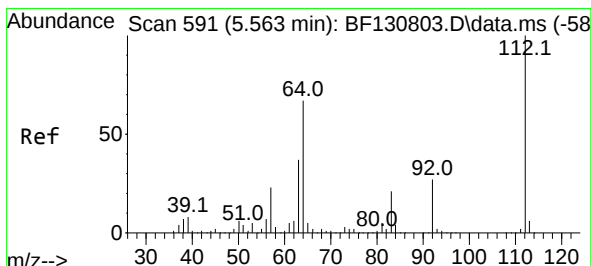
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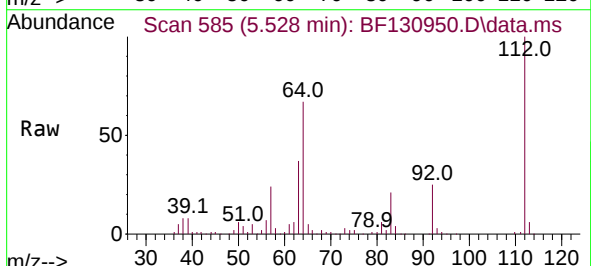


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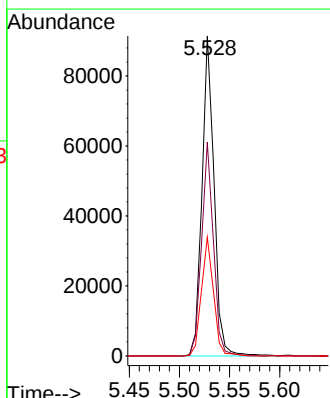
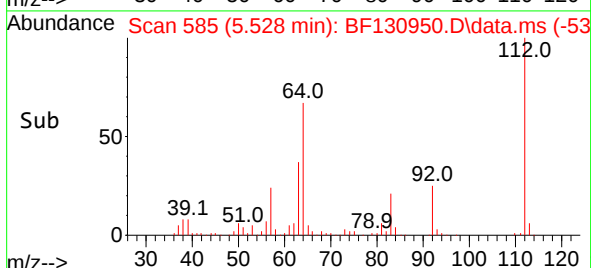
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#5
2-Fluorophenol
Concen: 22.044 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58



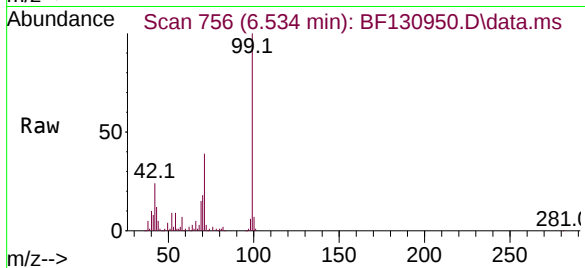
Tgt Ion:112 Resp: 76327
Ion Ratio Lower Upper
112 100
64 66.8 53.9 80.9
63 37.1 29.4 44.2





#7
Phenol-d6
Concen: 18.881 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

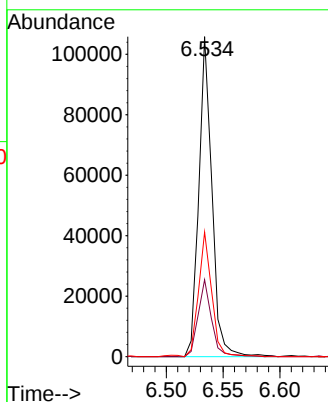
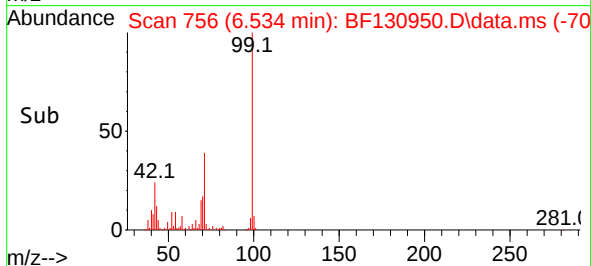
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion: 99 Resp: 84953
Ion Ratio Lower Upper
99 100
42 24.0 18.8 28.2
71 38.9 31.4 47.0

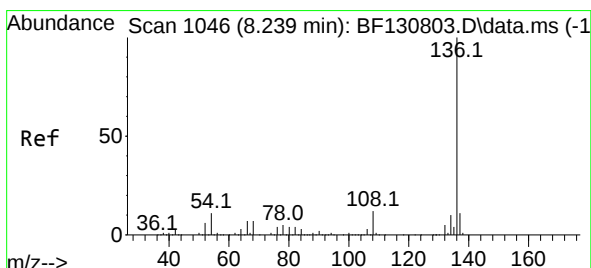
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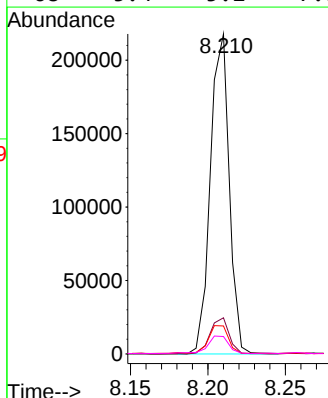
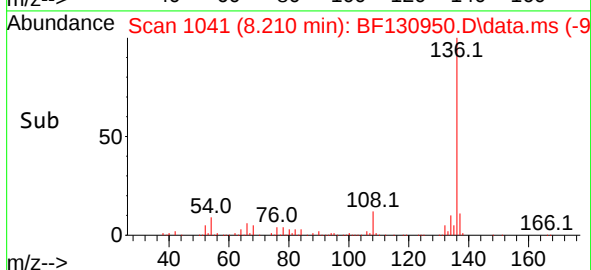
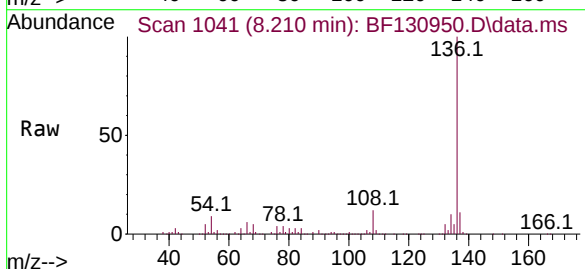
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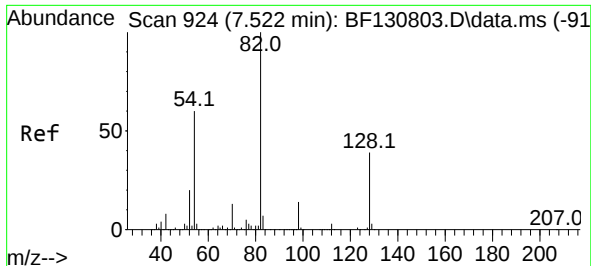
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

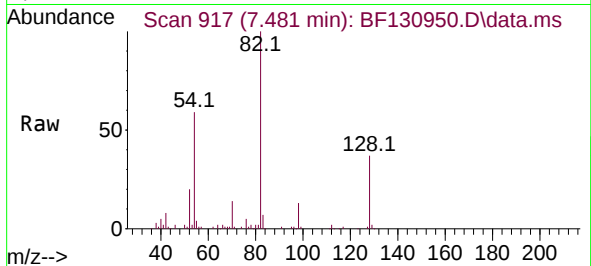
Tgt Ion:136 Resp: 184690
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.7 8.8 13.2#
68 5.4 5.2 7.8





#23
Nitrobenzene-d5
Concen: 17.722 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

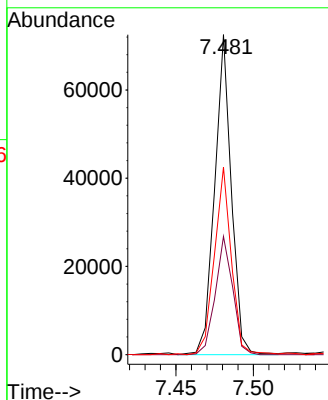
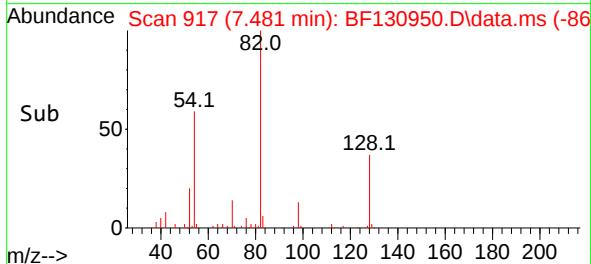
Instrument :
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Tgt Ion: 82 Resp: 54281
Ion Ratio Lower Upper
82 100
128 36.9 31.2 46.8
54 58.6 48.0 72.0

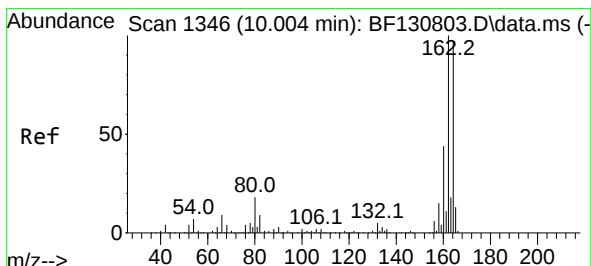
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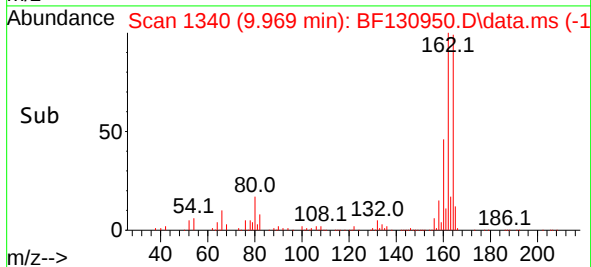
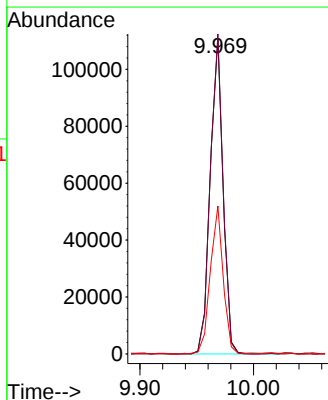
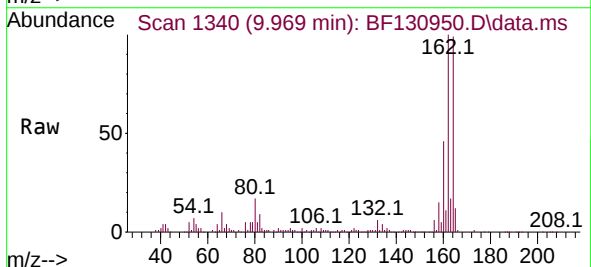
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Upadhyay

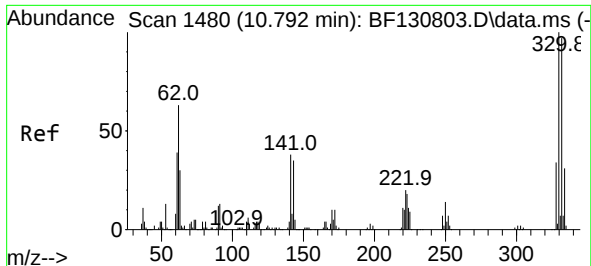
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:164 Resp: 87889
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 46.8 36.6 54.8





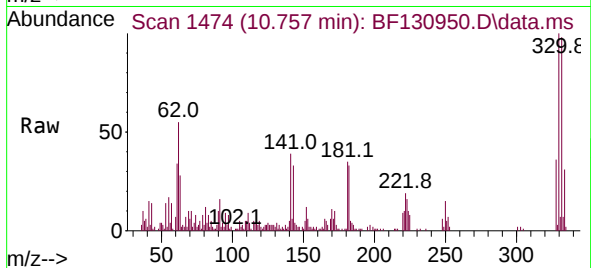
#42
2,4,6-Tribromophenol
Concen: 24.706 ng
RT: 10.757 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Instrument :

BNA_F

ClientSampleId :

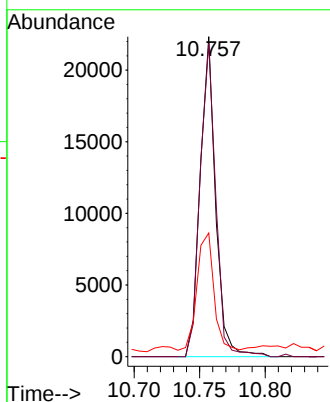
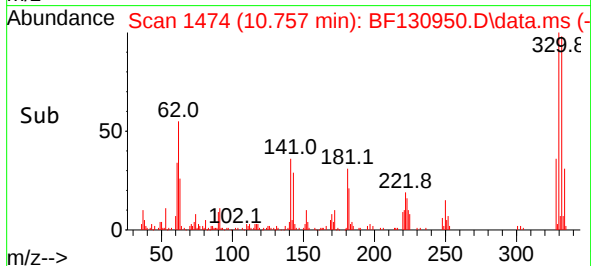
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Tgt Ion: 330 Resp: 18279
Ion Ratio Lower Upper
330 100
332 98.8 76.2 114.4
141 39.7 31.4 47.0

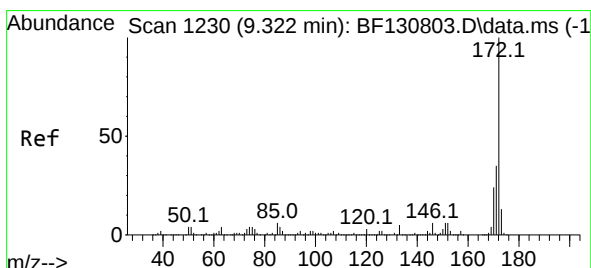
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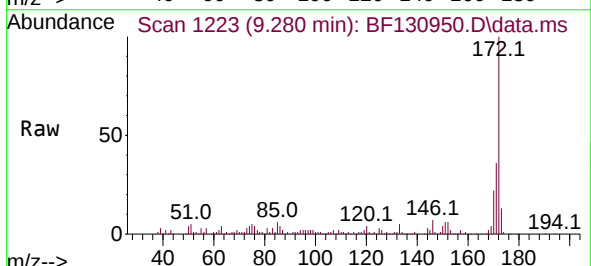


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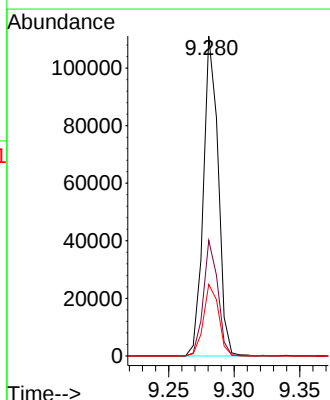
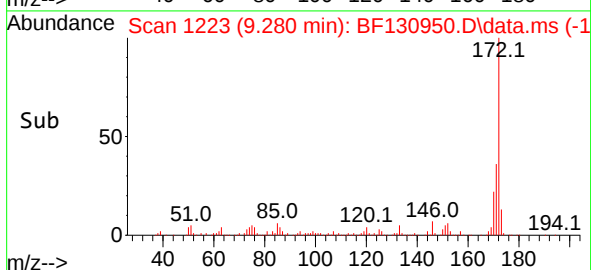
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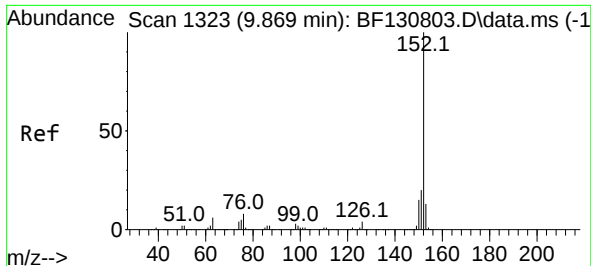


#45
2-Fluorobiphenyl
Concen: 14.947 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58



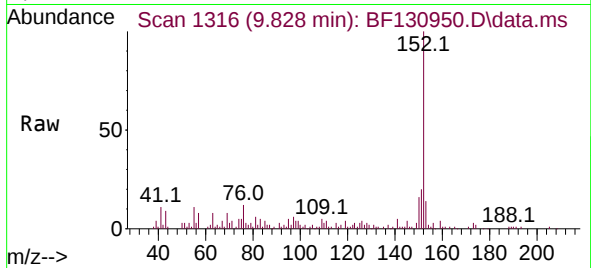
Tgt Ion: 172 Resp: 86889
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.3 19.0 28.4





#49
Acenaphthylene
Concen: 3.632 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

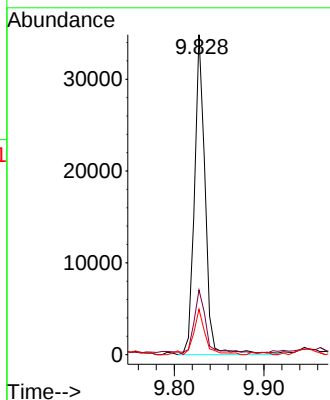
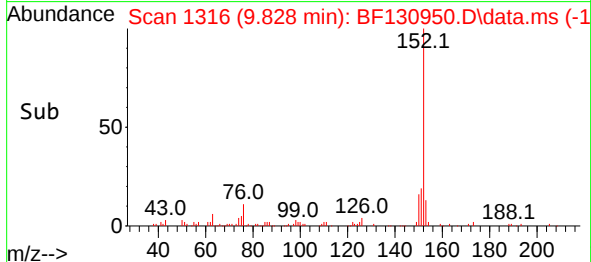
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:152 Resp: 2881
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 14.2 10.2 15.4

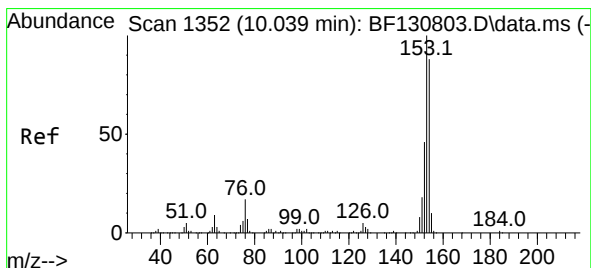
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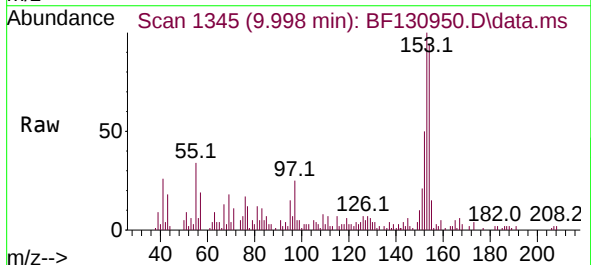


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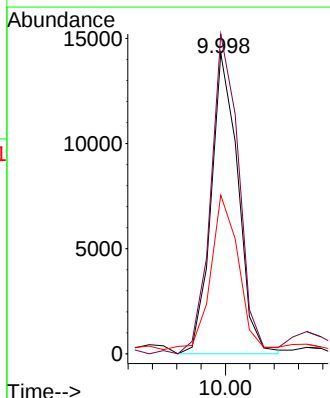
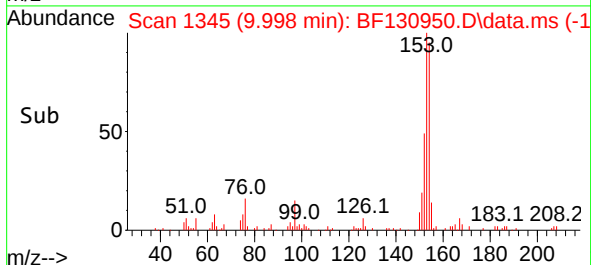
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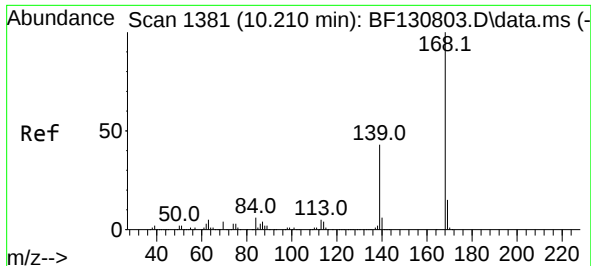


#52
Acenaphthene
Concen: 2.233 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58



Tgt Ion:154 Resp: 10956
Ion Ratio Lower Upper
154 100
153 106.4 90.5 135.7
152 52.8 42.0 63.0





#55

Dibenzenofuran

Concen: 2.299 ng

RT: 10.175 min Scan# 1381

Delta R.T. -0.006 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

Instrument :

BNA_F

ClientSampleId :

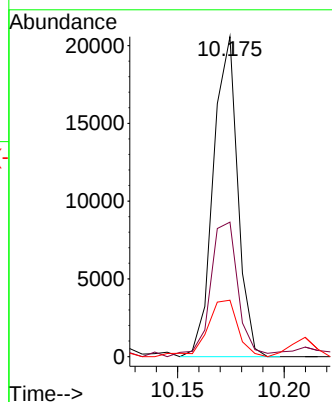
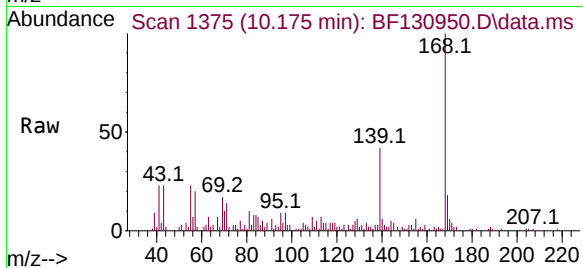
OE-1-103122DL

Tgt Ion:168 Resp: 16349

Ion	Ratio	Lower	Upper
168	100		
139	42.0	34.3	51.5
169	17.6	11.9	17.9

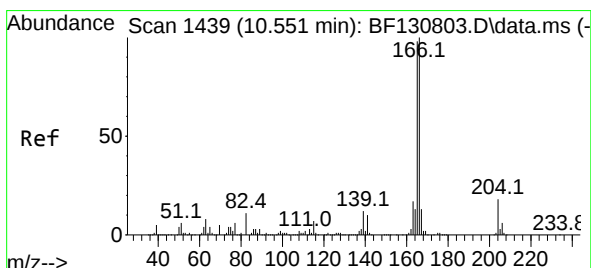
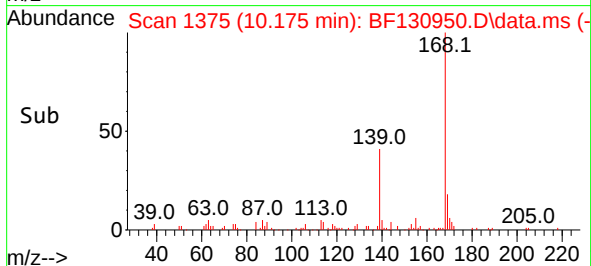
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Upadhyay

11/03/2022



#58

Fluorene

Concen: 5.184 ng

RT: 10.516 min Scan# 1433

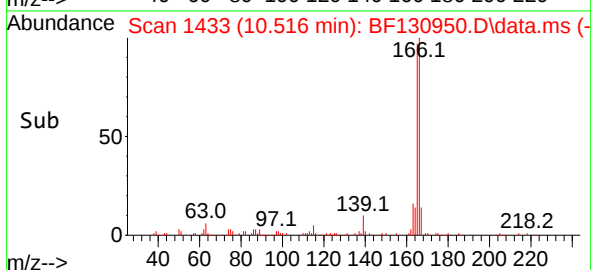
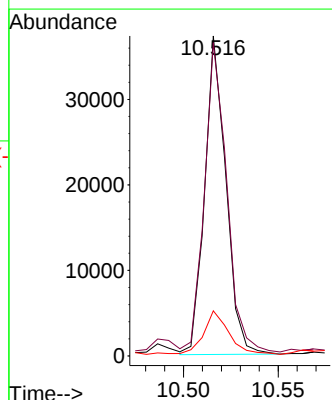
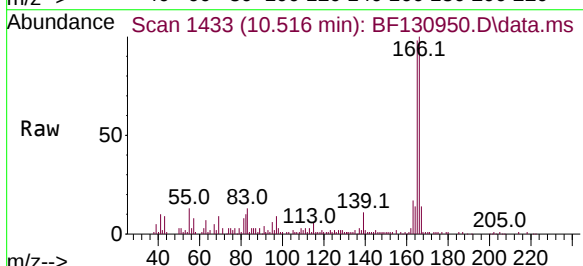
Delta R.T. -0.012 min

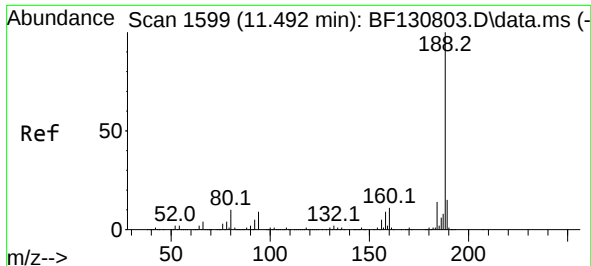
Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

Tgt Ion:166 Resp: 29031

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.1	117.1
167	14.1	10.4	15.6





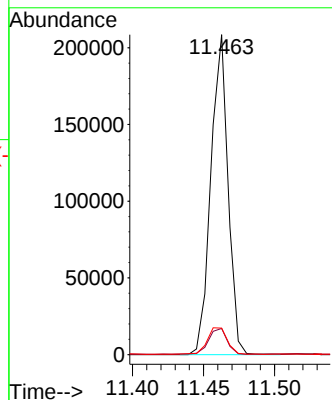
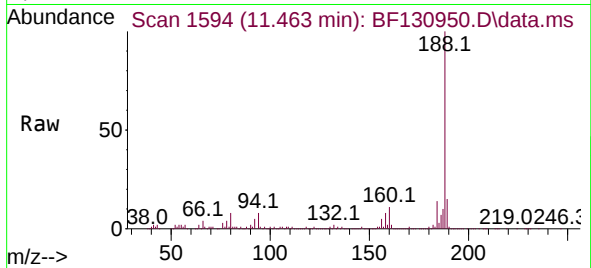
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

Tgt Ion:188 Resp: 174797
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.3 8.0 12.0

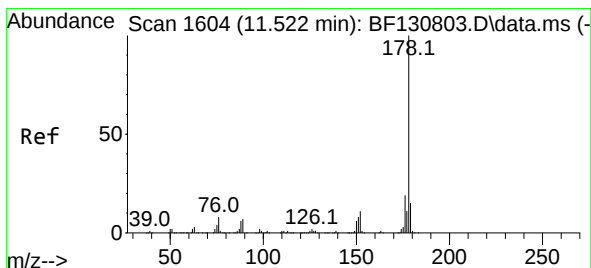
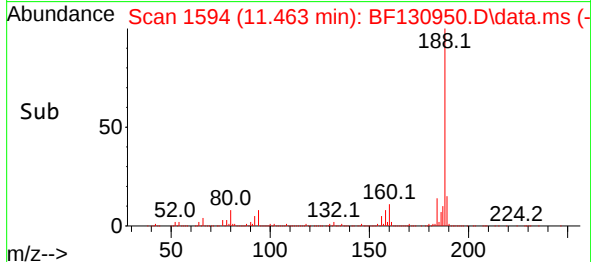
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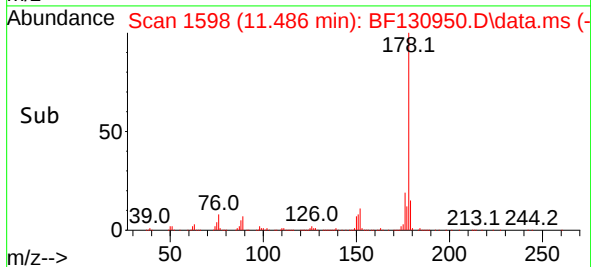
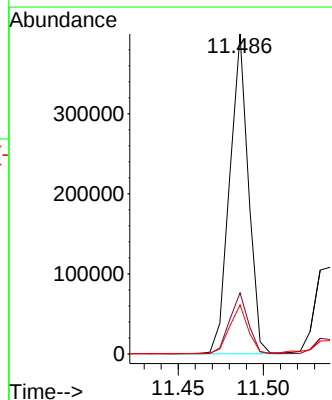
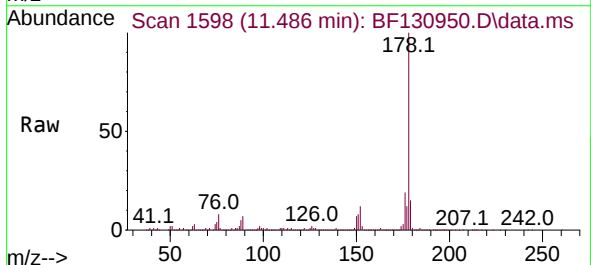
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Supervised By :Jagrut
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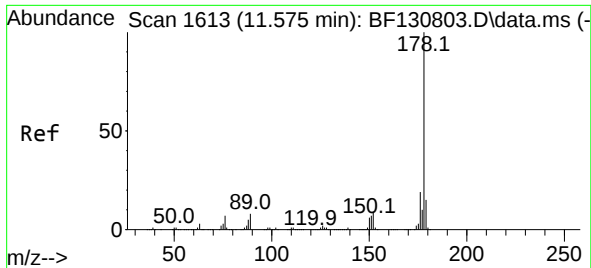
11/03/2022



#71
Phenanthrene
Concen: 33.746 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:178 Resp: 304451
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.2 18.2





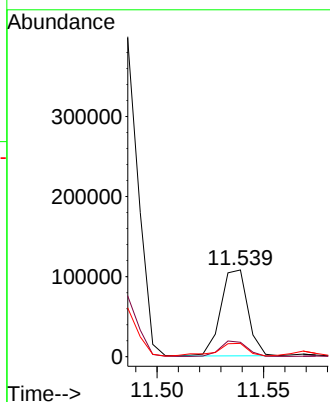
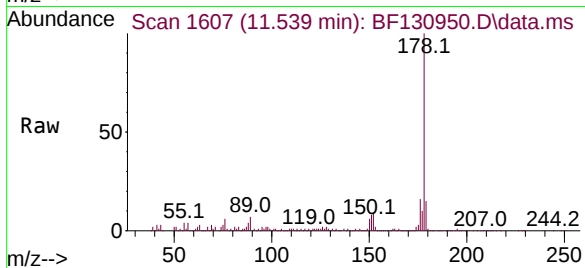
#72
 Anthracene
 Concen: 10.689 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122DL

Tgt Ion:178 Resp: 95117
 Ion Ratio Lower Upper
 178 100
 176 16.4 15.4 23.0
 179 15.3 12.2 18.4

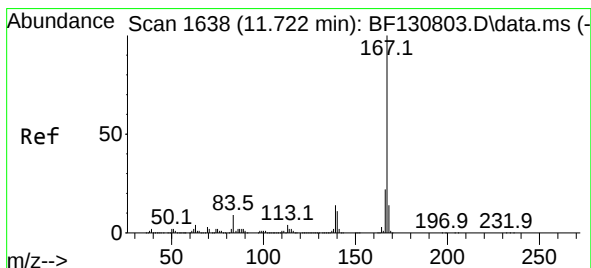
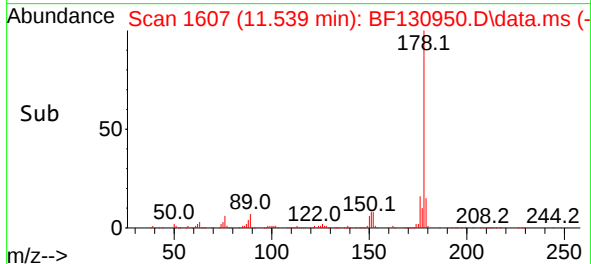
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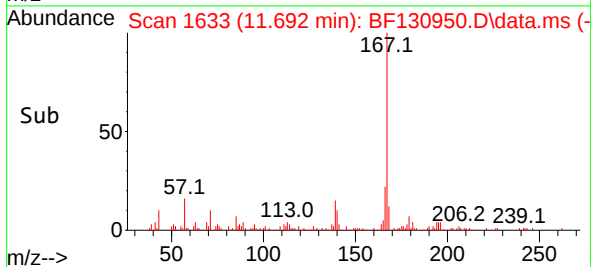
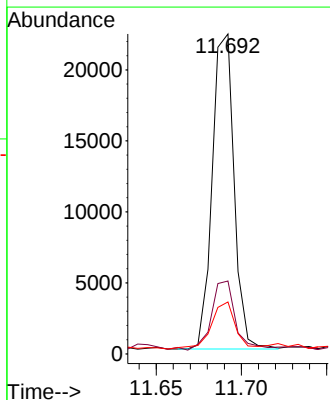
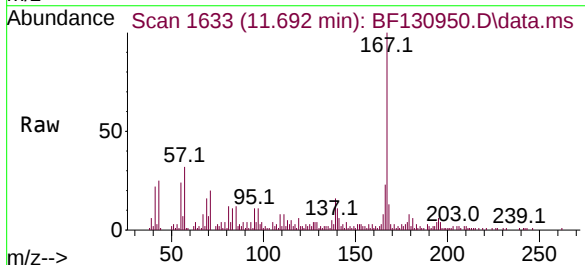
11/03/2022
 Supervised By :Jagrut
 Upadhyay

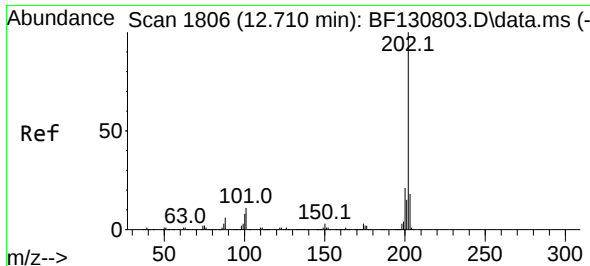
11/03/2022



#73
 Carbazole
 Concen: 2.483 ng
 RT: 11.692 min Scan# 1633
 Delta R.T. -0.006 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

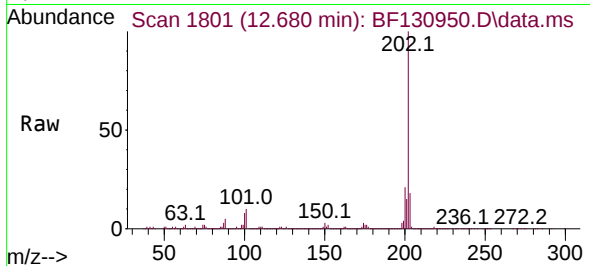
Tgt Ion:167 Resp: 19783
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.0
 139 16.2 11.3 16.9





#75
Fluoranthene
Concen: 56.305 ng
RT: 12.680 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

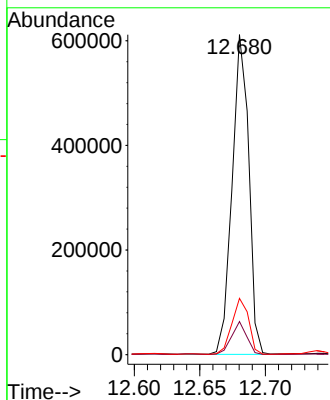
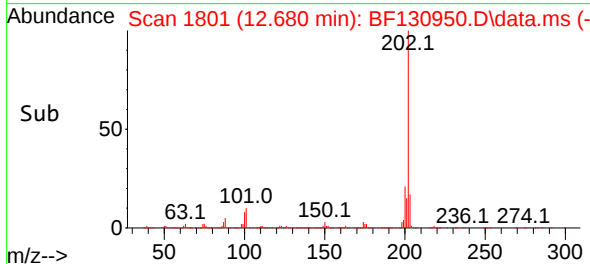
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:202 Resp: 539716
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.9
203 17.6 0.0 37.7

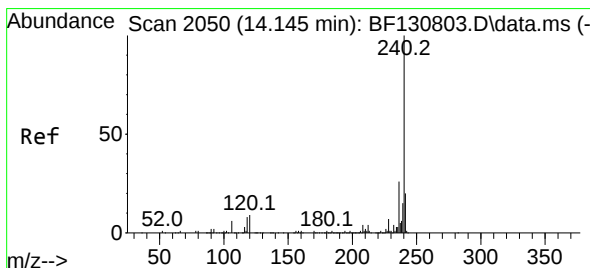
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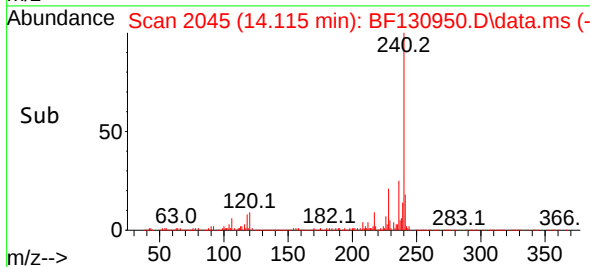
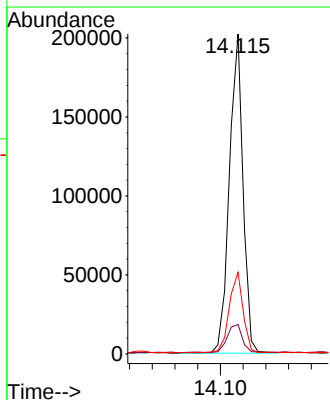
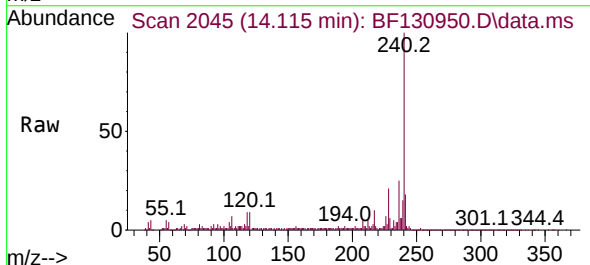
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Supervised By :Jagrut
Upadhyay

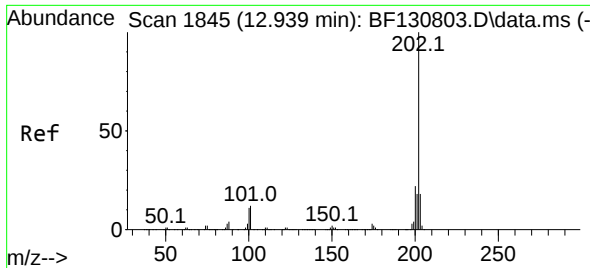
11/03/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:240 Resp: 169326
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.4
236 25.5 20.5 30.7





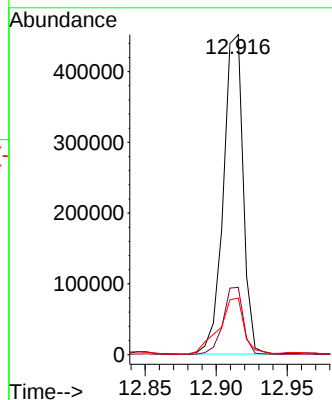
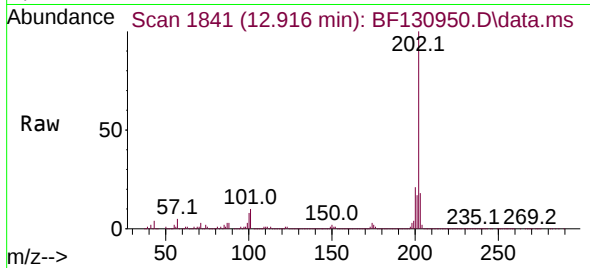
#78
Pyrene
Concen: 30.747 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

Tgt Ion:202 Resp: 439240
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.7 14.5 21.7

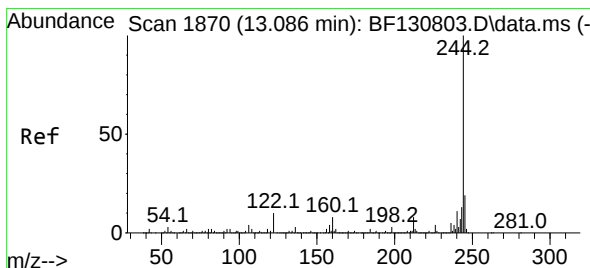
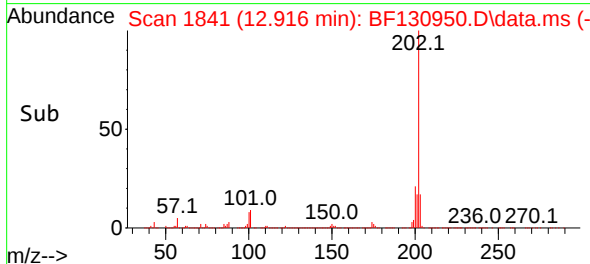
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Giraldo



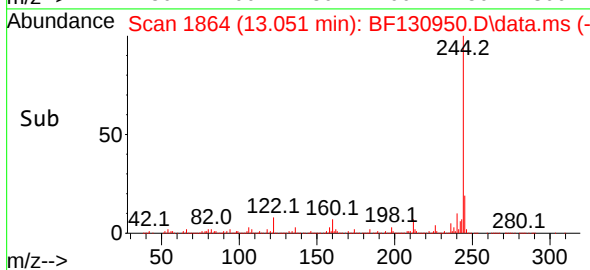
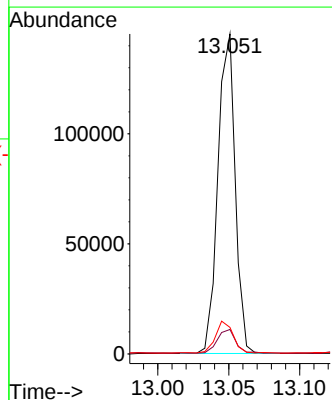
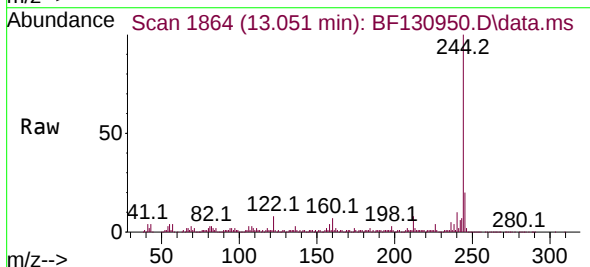
11/03/2022
Supervised By :Jagrut
Upadhyay

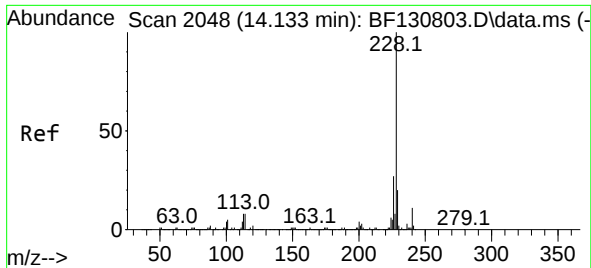
11/03/2022



#79
Terphenyl-d14
Concen: 13.315 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

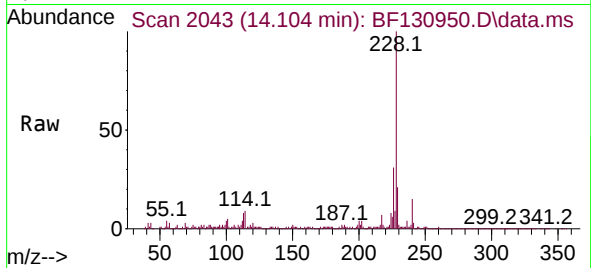
Tgt Ion:244 Resp: 123035
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 8.3 7.9 11.9





#81
Benzo(a)anthracene
Concen: 24.625 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

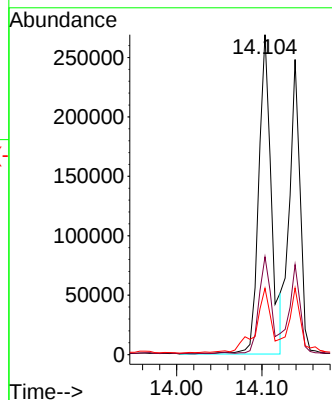
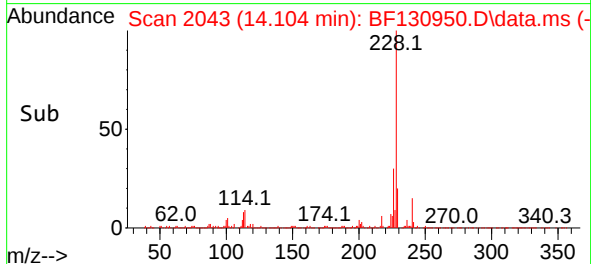
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:228 Resp: 276449
Ion Ratio Lower Upper
228 100
226 30.6 21.4 32.2
229 20.7 15.8 23.6

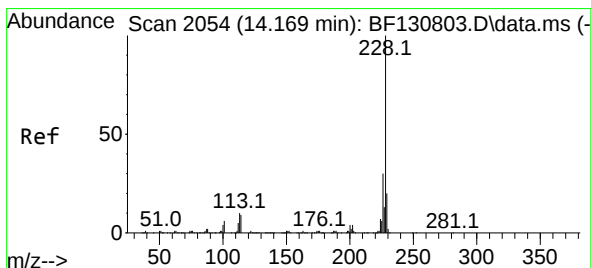
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Reviewed By :Christian
Giraldo



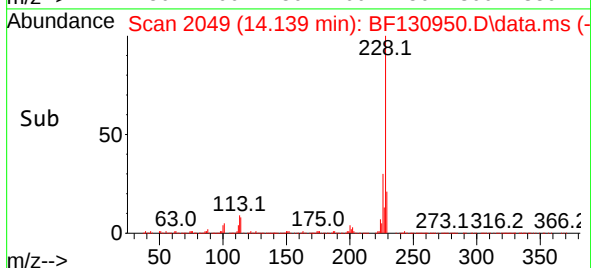
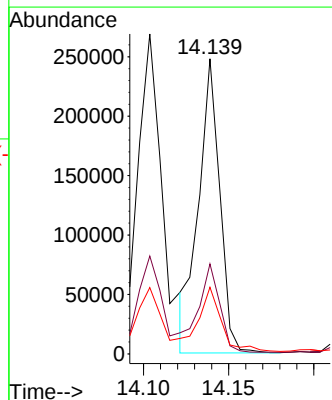
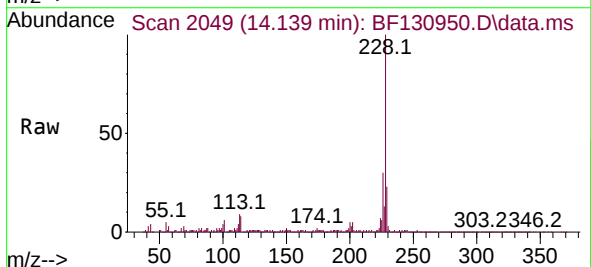
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Upadhyay

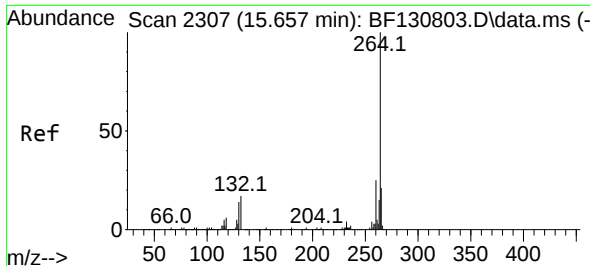
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#83
Chrysene
Concen: 19.833 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

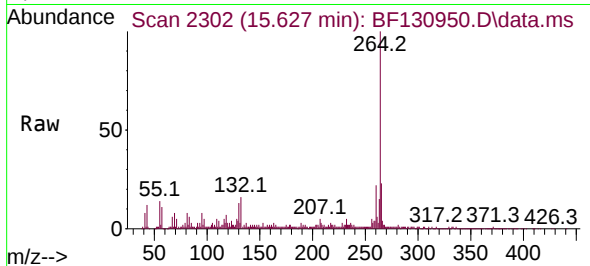
Tgt Ion:228 Resp: 214760
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 22.6 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2307
Delta R.T. -0.000 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

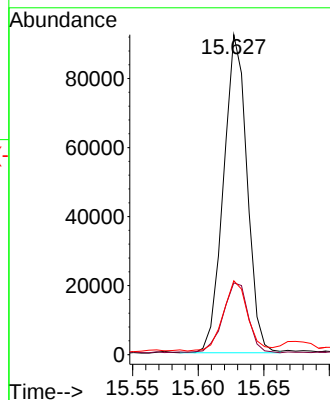
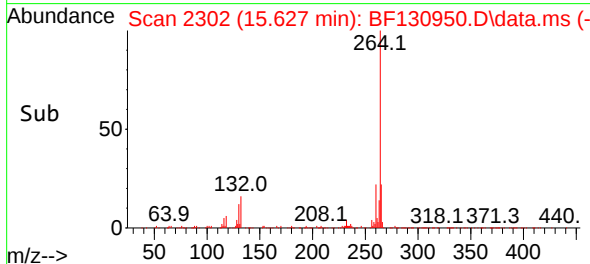
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:264 Resp: 115276
Ion Ratio Lower Upper
264 100
260 22.4 19.9 29.9
265 23.1 17.0 25.6

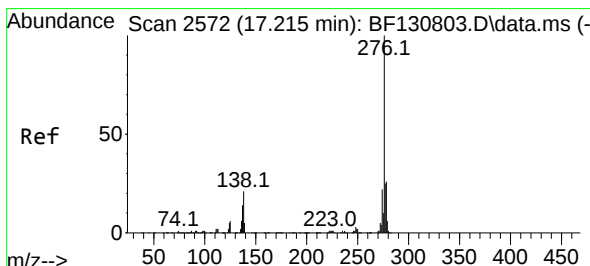
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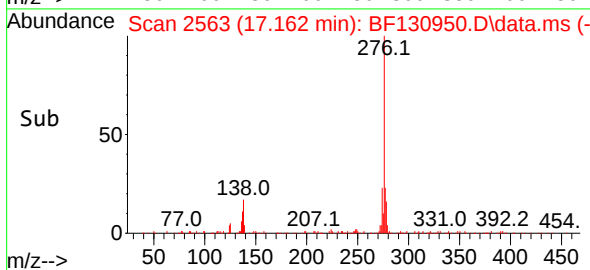
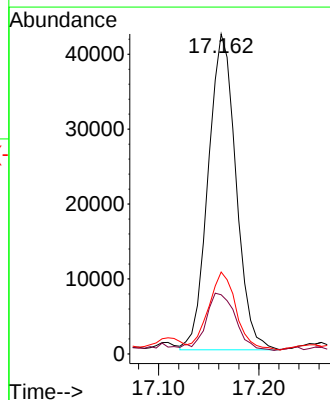
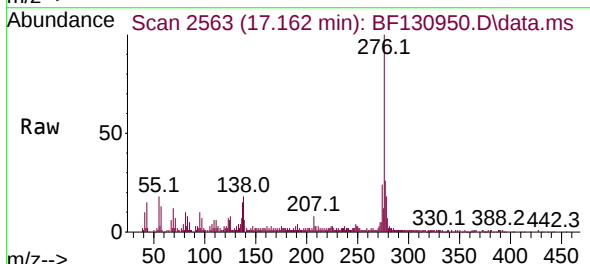
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Supervised By :Jagrut
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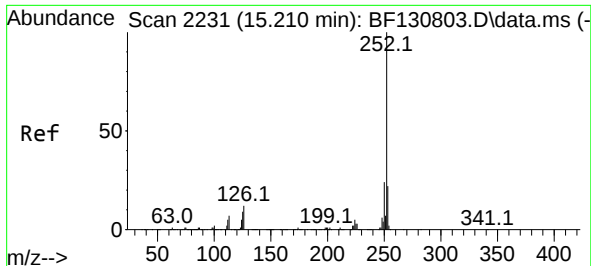
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#87
Indeno(1,2,3-cd)pyrene
Concen: 10.615 ng
RT: 17.162 min Scan# 2563
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

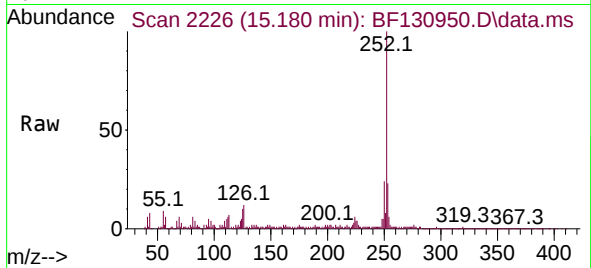
Tgt Ion:276 Resp: 81260
Ion Ratio Lower Upper
276 100
138 19.5 19.1 28.7
277 24.7 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 30.791 ng m
RT: 15.180 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

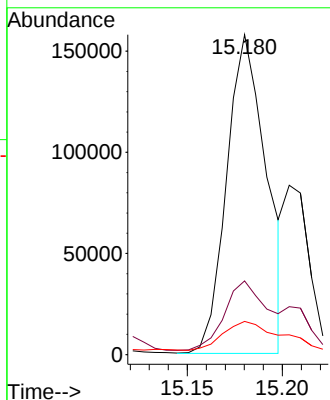
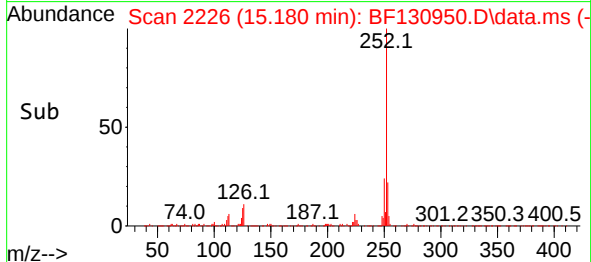
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:252 Resp: 229450
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.4 7.0 10.4

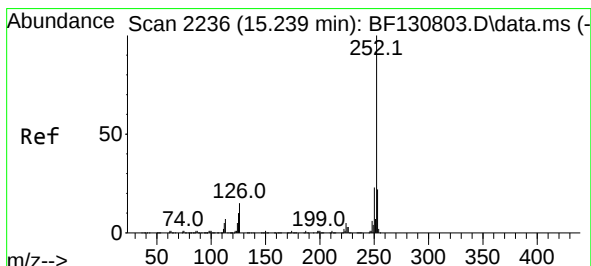
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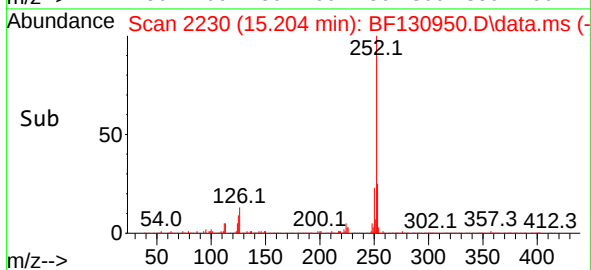
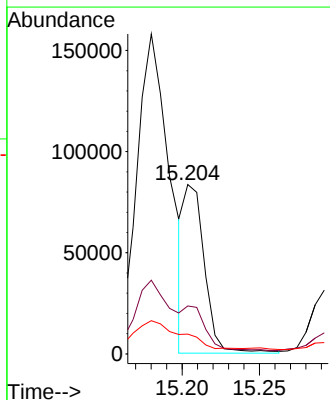
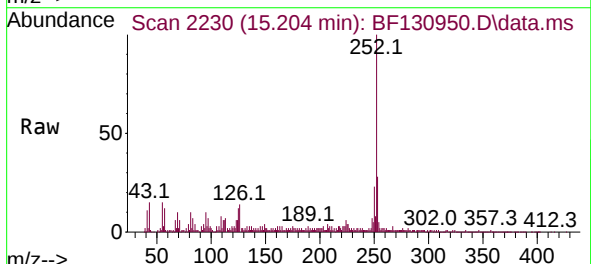
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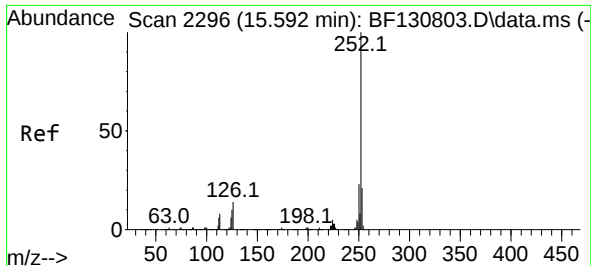
11/03/2022



#89
Benzo(k)fluoranthene
Concen: 10.639 ng m
RT: 15.204 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

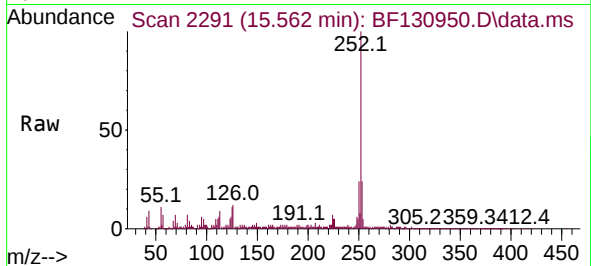
Tgt Ion:252 Resp: 77249
Ion Ratio Lower Upper
252 100
253 28.3 17.5 26.3#
125 11.7 8.0 12.0





#90
Benzo(a)pyrene
Concen: 23.484 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

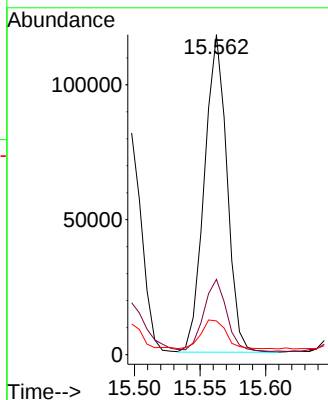
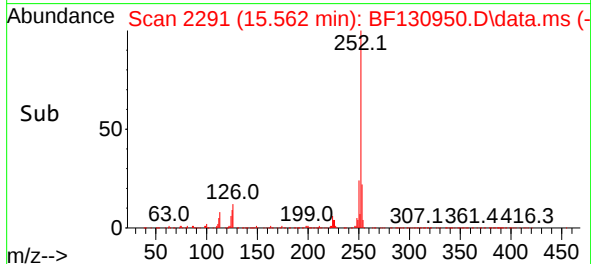
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:252 Resp: 140678
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 10.5 8.3 12.5

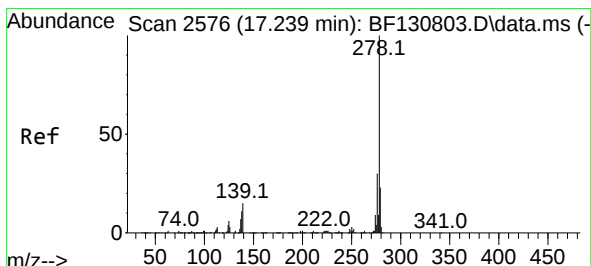
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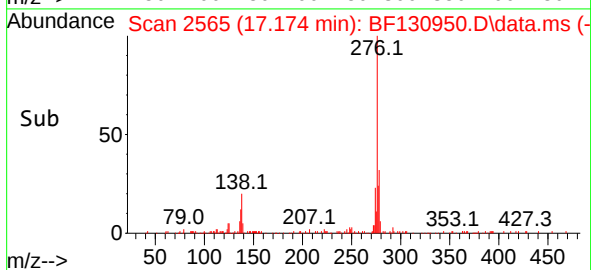
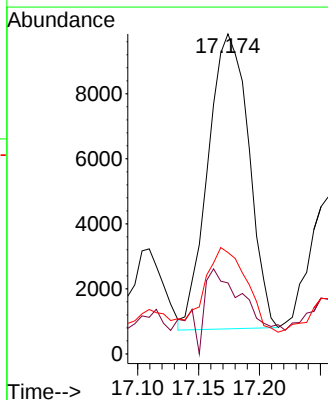
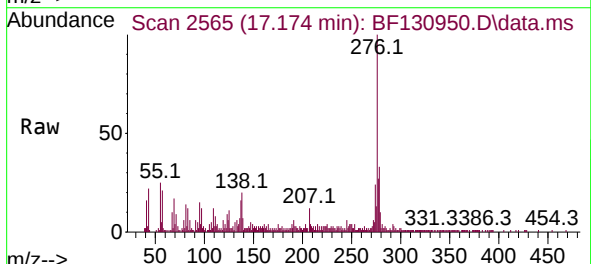
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Upadhyay

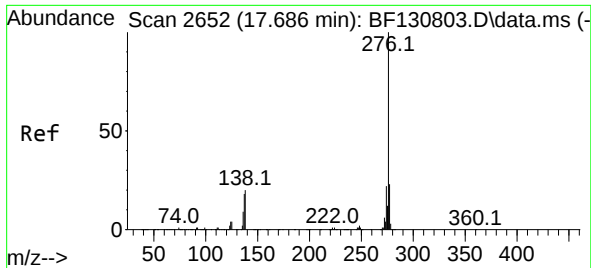
11/03/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.388 ng
RT: 17.174 min Scan# 2565
Delta R.T. -0.024 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

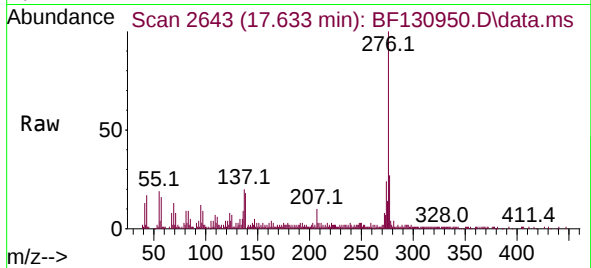
Tgt Ion:278 Resp: 21146
Ion Ratio Lower Upper
278 100
139 22.2 11.9 17.9#
279 31.7 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 11.238 ng
RT: 17.633 min Scan# 2643
Delta R.T. -0.018 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

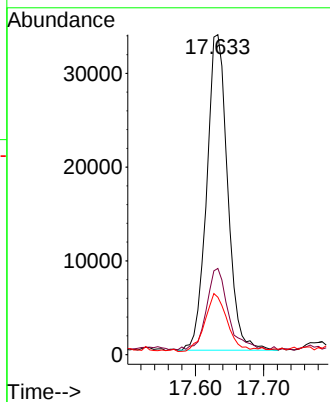
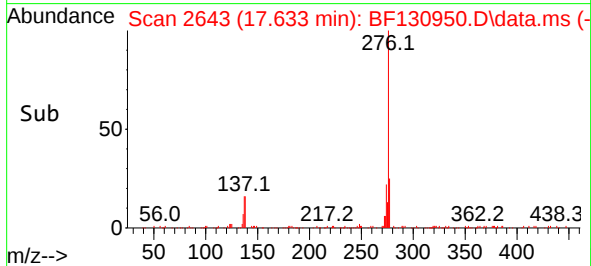
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL



Tgt Ion:276 Resp: 71548
Ion Ratio Lower Upper
276 100
277 26.9 18.8 28.2
138 18.0 16.3 24.5

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