

Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142051.D
 Acq On : 24 Mar 2025 13:26
 Operator : RC/JU
 Sample : Q1619-13DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

Manual Integrations
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Reviewed By :Anahy
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Quant Time: Mar 24 13:48:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	129035	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	485875	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	257676	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	381945	20.000	ng	0.00
76) Chrysene-d12	14.033	240	248081	20.000	ng	0.00
86) Perylene-d12	15.510	264	315397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	119661	15.477	ng	0.00
7) Phenol-d6	6.493	99	178010	18.083	ng	-0.01
23) Nitrobenzene-d5	7.428	82	115546	13.383	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	20145	6.163	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	251554	14.847	ng	-0.01
79) Terphenyl-d14	12.975	244	183480	10.935	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.175	128	160130	6.416	ng	99
37) 2-Methylnaphthalene	8.869	142	39238	2.352	ng	99
52) Acenaphthene	9.939	154	189322	12.440	ng	100
55) Dibenzofuran	10.116	168	209169	9.619	ng	96
58) Fluorene	10.457	166	202588	12.081	ng	99
71) Phenanthrene	11.422	178	2102101	101.895	ng	100
72) Anthracene	11.475	178	531026	25.657	ng	99
73) Carbazole	11.622	167	178928	10.024	ng	100
75) Fluoranthene	12.610	202	1732053	79.148	ng	99
78) Pyrene	12.839	202	1369653	63.826	ng	99
81) Benzo(a)anthracene	14.022	228	594042	36.491	ng	99
83) Chrysene	14.057	228	508813	34.481	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	324094	15.885	ng	94
88) Benzo(b)fluoranthene	15.080	252	719400m	33.281	ng	
89) Benzo(k)fluoranthene	15.092	252	288760m	15.610	ng	
90) Benzo(a)pyrene	15.445	252	518612	30.662	ng	97
92) Benzo(g,h,i)perylene	17.439	276	298592	17.950	ng	97

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

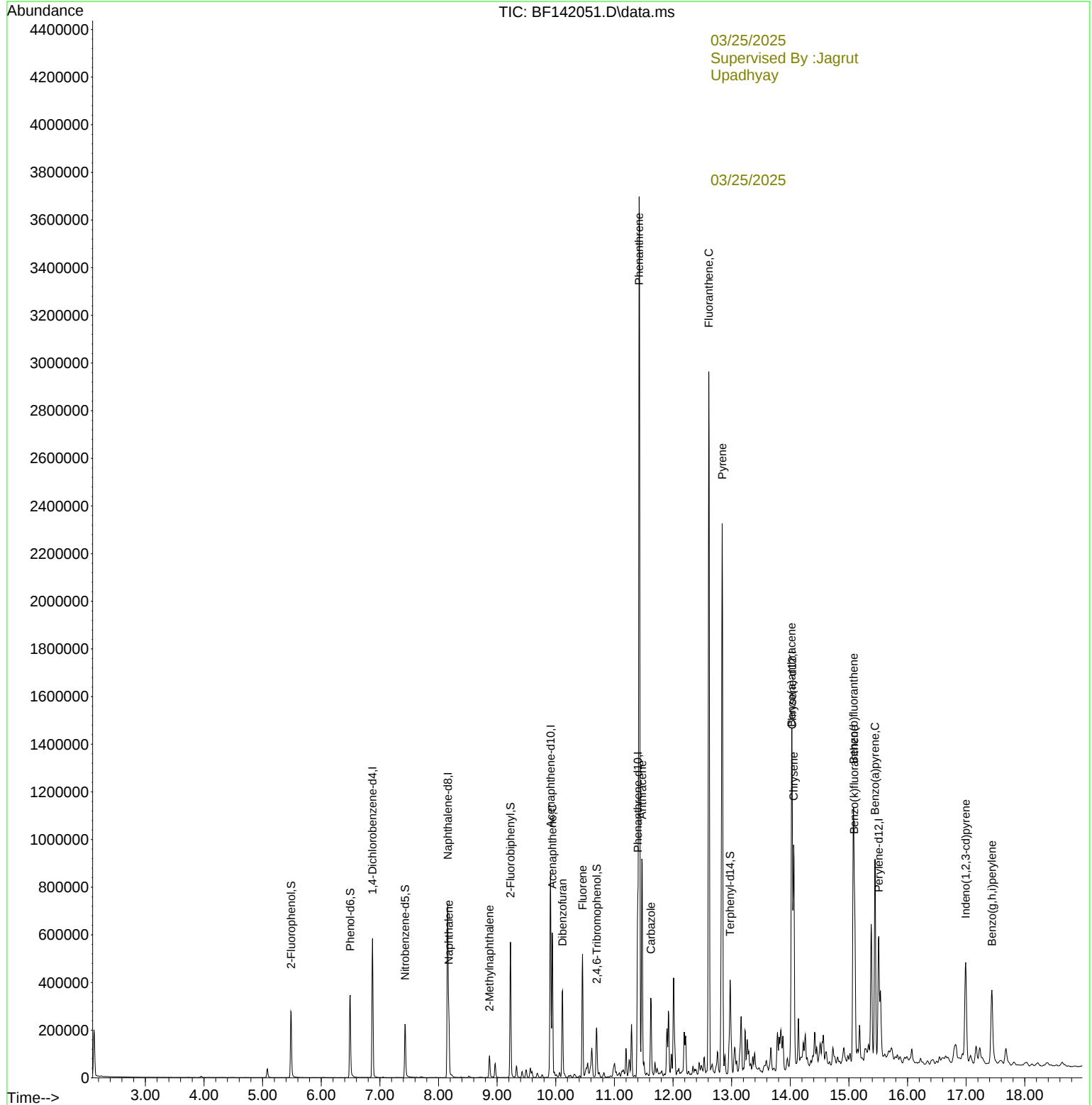
Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
Data File : BF142051.D
Acq On : 24 Mar 2025 13:26
Operator : RC/JU
Sample : Q1619-13DL 5X
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ALS Vial : 8 Sample Multiplier: 1

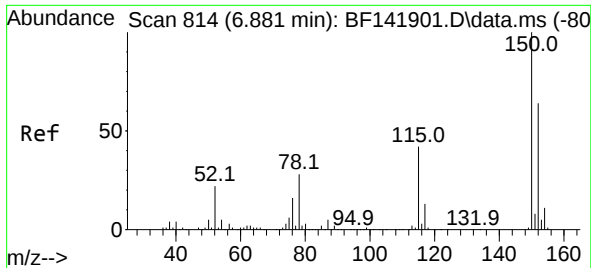
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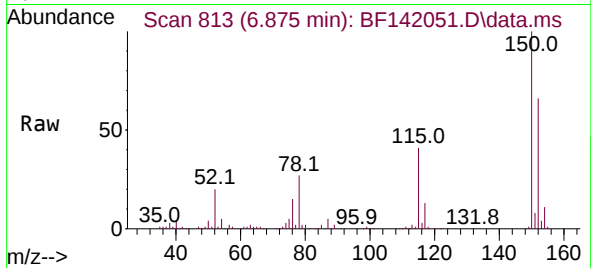
Quant Time: Mar 24 13:48:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

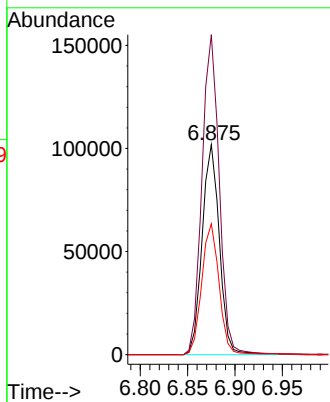
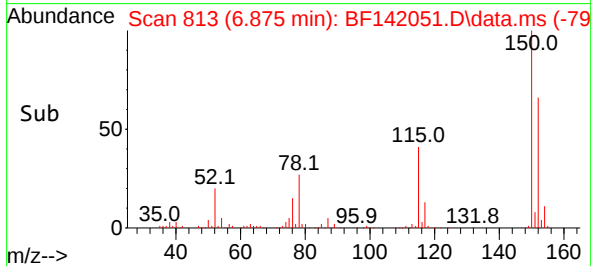
Instrument :
BNA_F
ClientSampleId :
TP-5DL



Tgt Ion:152 Resp: 129035
Ion Ratio Lower Upper
152 100
150 152.4 127.4 191.2
115 62.3 51.9 77.9

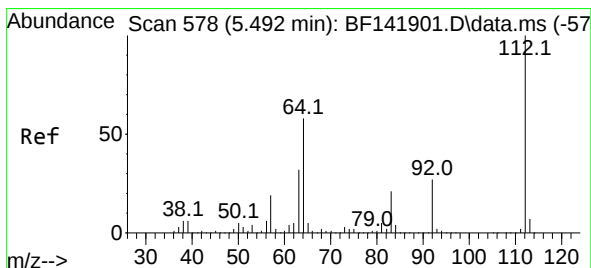
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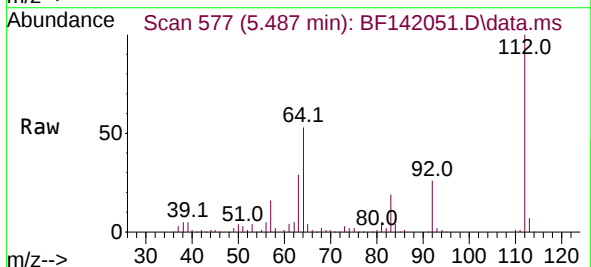


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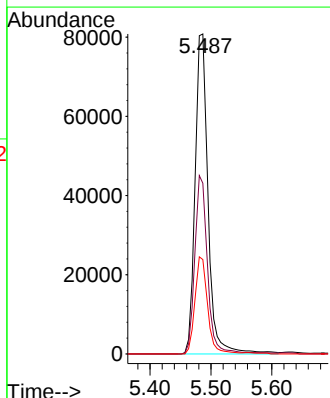
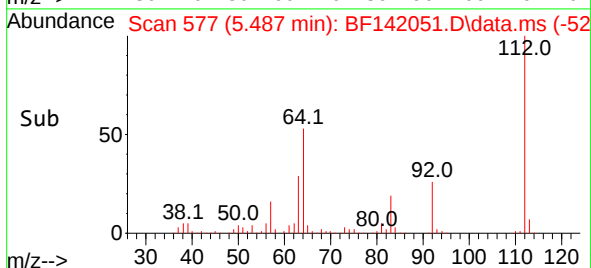
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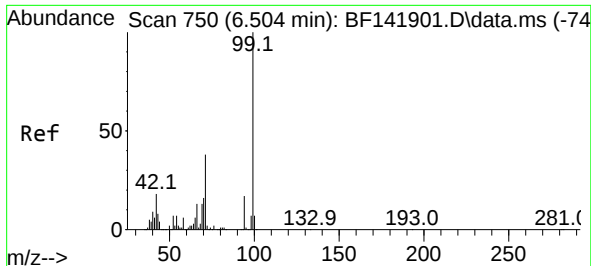


#5
2-Fluorophenol
Concen: 15.477 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26



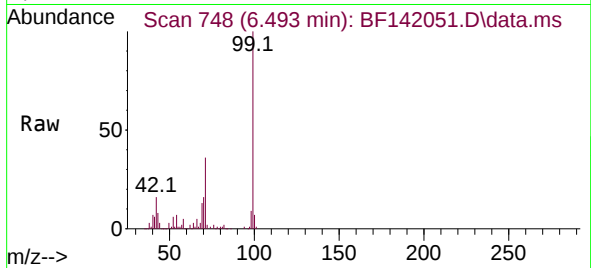
Tgt Ion:112 Resp: 119661
Ion Ratio Lower Upper
112 100
64 53.3 46.5 69.7
63 29.5 25.4 38.2





#7
Phenol-d6
Concen: 18.083 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

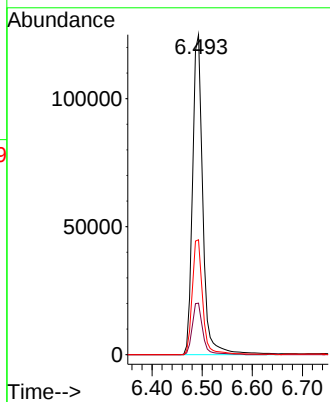
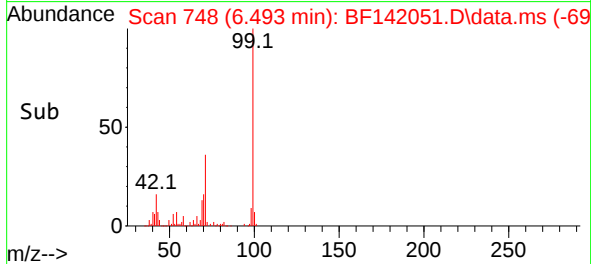
Instrument :
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Tgt Ion: 99 Resp: 178010
Ion Ratio Lower Upper
99 100
42 16.1 14.6 21.8
71 35.9 30.8 46.2

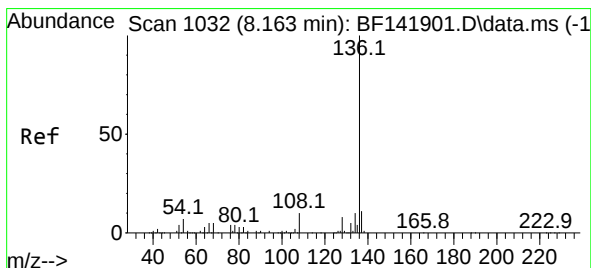
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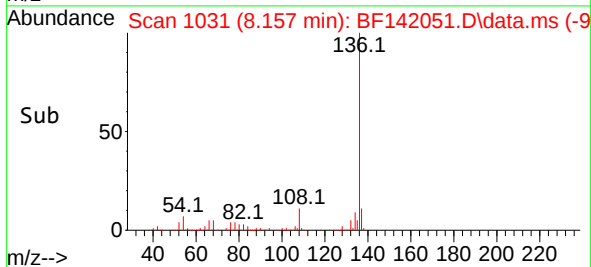
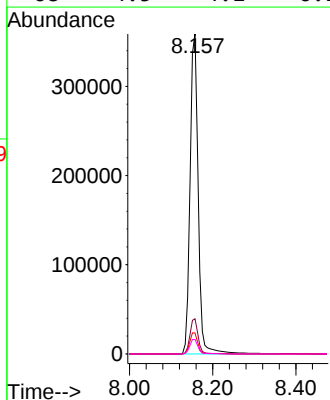
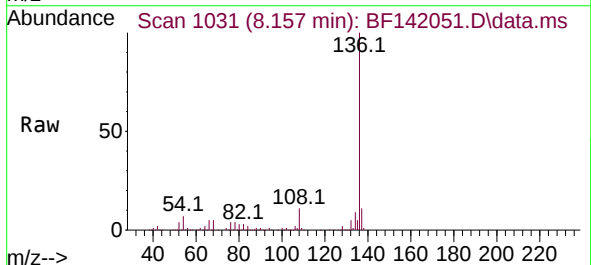
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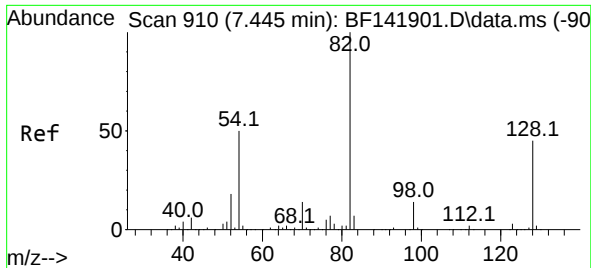
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Tgt Ion:136 Resp: 485875
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.5 5.8 8.8
68 4.5 4.1 6.1





#23
Nitrobenzene-d5
Concen: 13.383 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.017 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Instrument :

BNA_F

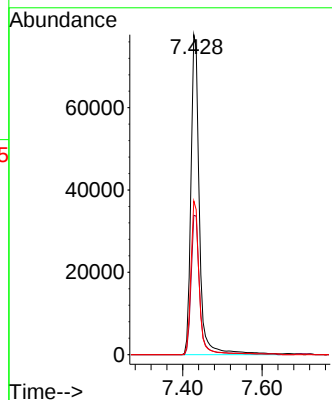
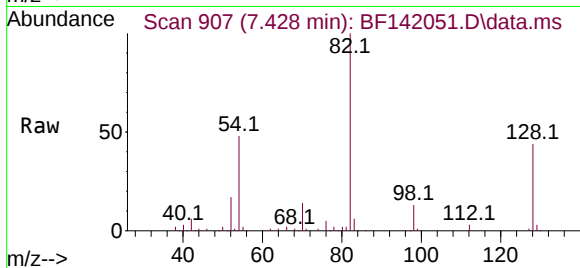
ClientSampleId :

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Tgt Ion: 82 Resp: 115546
Ion Ratio Lower Upper
82 100
128 43.5 36.0 54.0
54 48.0 39.6 59.4

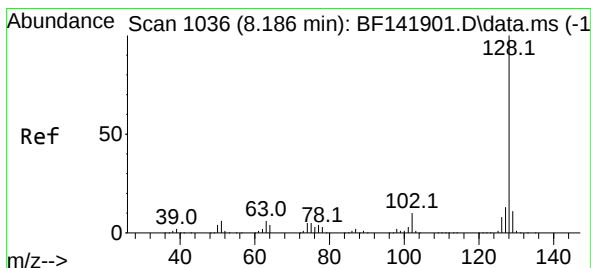
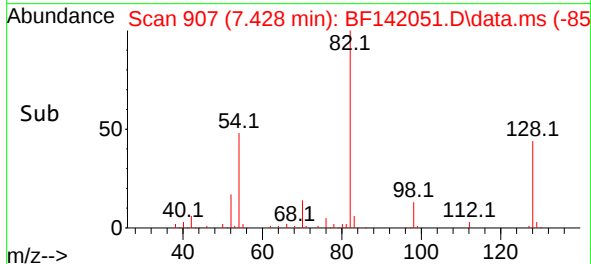
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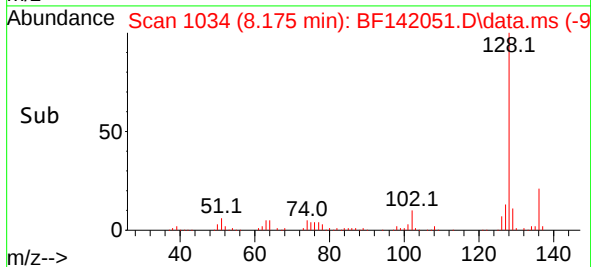
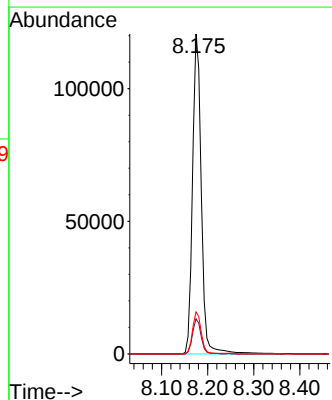
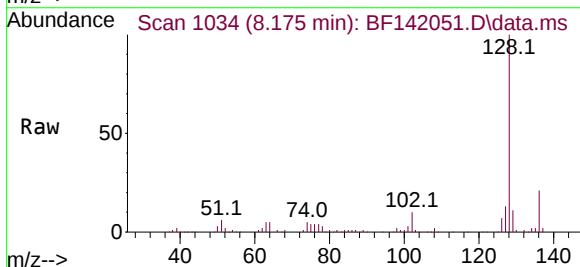
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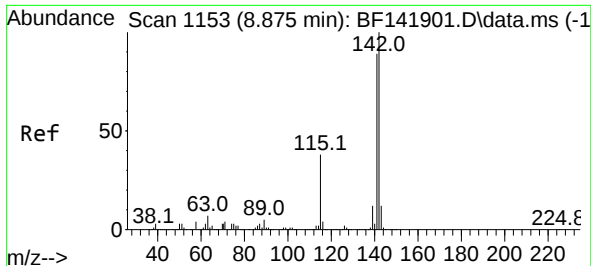
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#31
Naphthalene
Concen: 6.416 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Tgt Ion:128 Resp: 160130
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.1 10.8 16.2





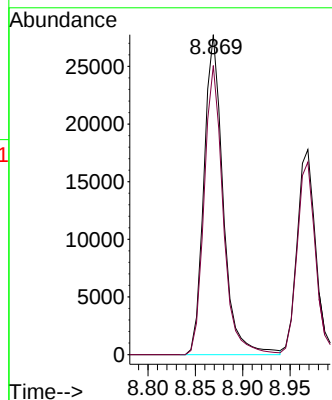
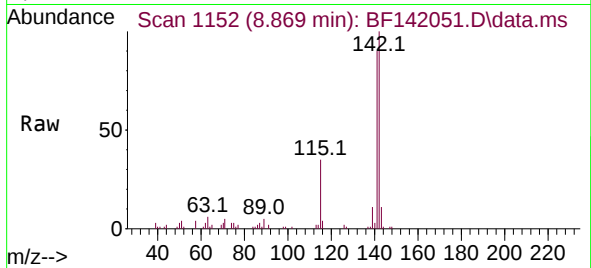
#37
2-Methylnaphthalene
Concen: 2.352 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Instrument :
BNA_F
ClientSampleId :
TP-5DL

Tgt Ion:142 Resp: 39238
Ion Ratio Lower Upper
142 100
141 90.3 71.2 106.8

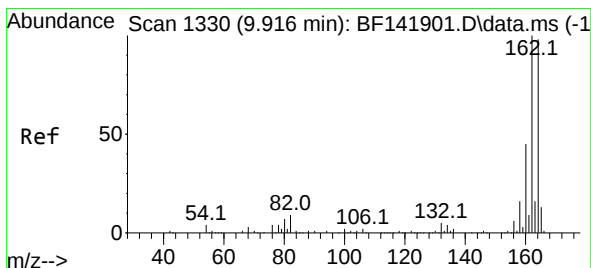
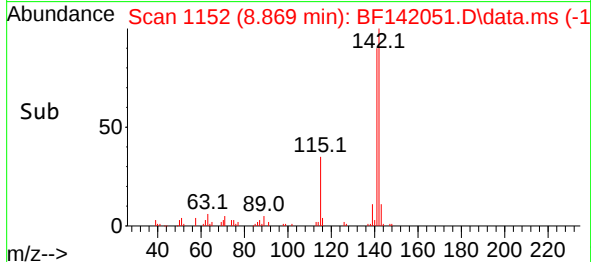
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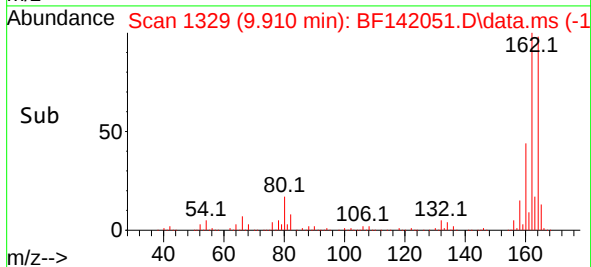
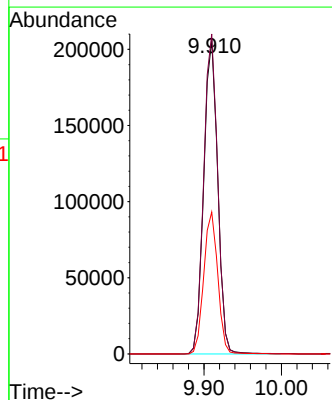
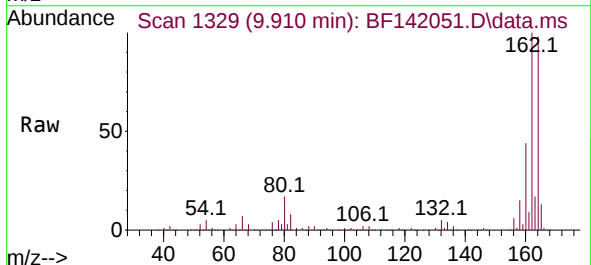
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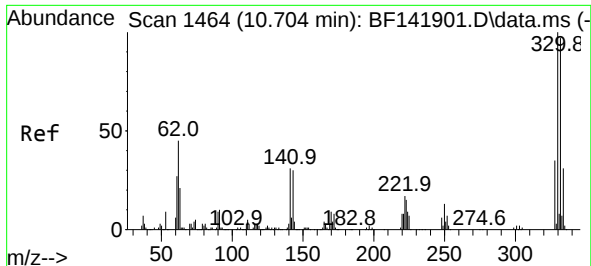
03/25/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Tgt Ion:164 Resp: 257676
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.2 36.7 55.1





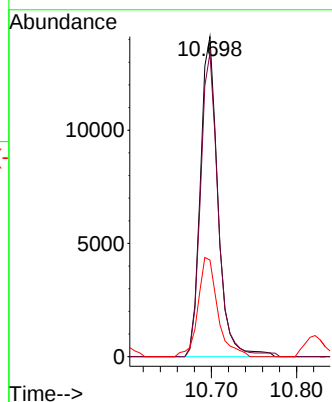
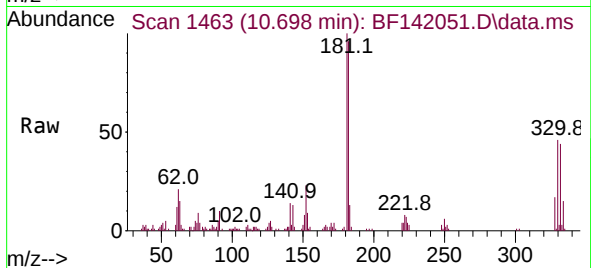
#42
2,4,6-Tribromophenol
Concen: 6.163 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Instrument :
BNA_F
ClientSampleId :
TP-5DL

Tgt Ion: 330 Resp: 20145
Ion Ratio Lower Upper
330 100
332 95.5 77.6 116.4
141 34.6 24.7 37.1

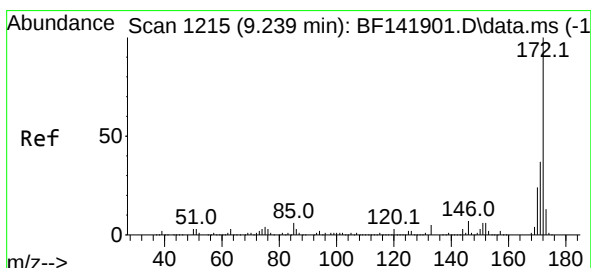
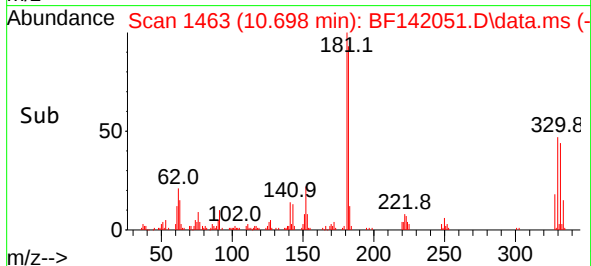
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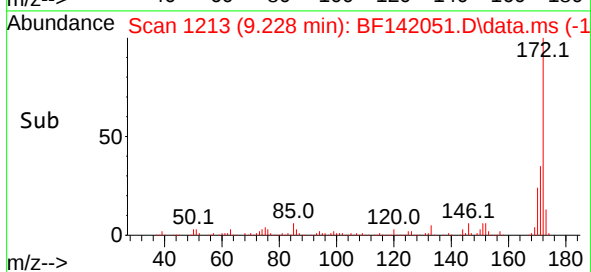
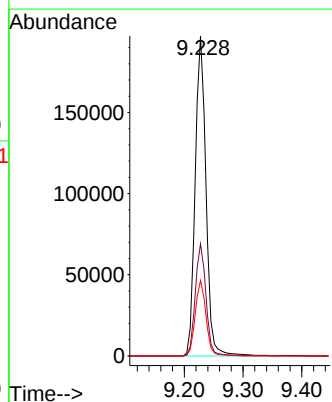
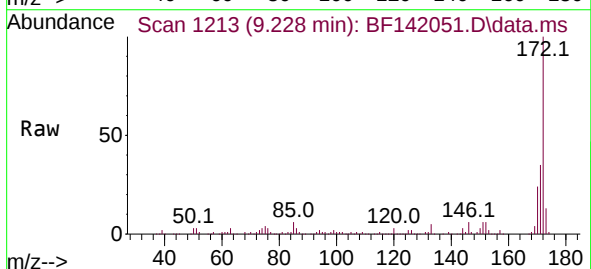
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Supervised By :Jagrut
Upadhyay

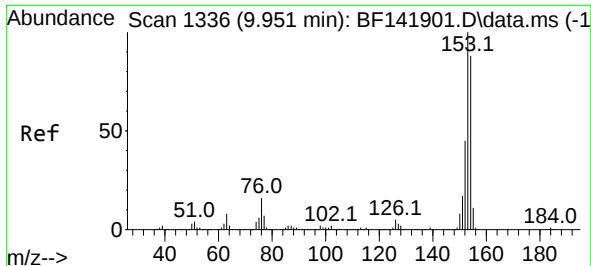
03/25/2025



#45
2-Fluorobiphenyl
Concen: 14.847 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

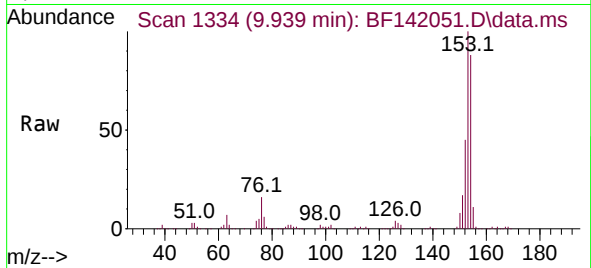
Tgt Ion: 172 Resp: 251554
Ion Ratio Lower Upper
172 100
171 35.0 29.3 43.9
170 23.5 19.4 29.0





#52
Acenaphthene
Concen: 12.440 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

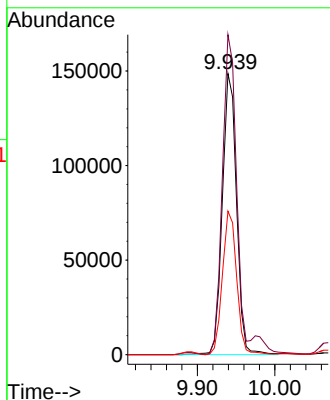
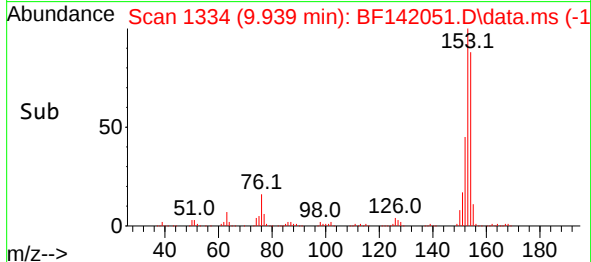
Instrument :
BNA_F
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TP-5DL



Tgt Ion:154 Resp: 189322
Ion Ratio Lower Upper
154 100
153 113.9 90.7 136.1
152 51.0 41.1 61.7

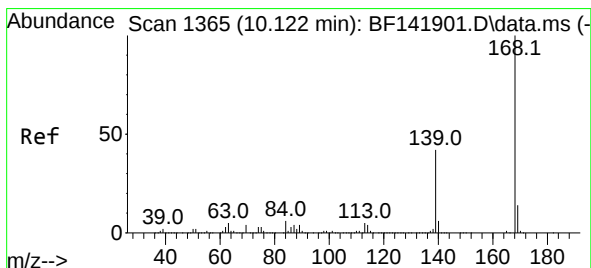
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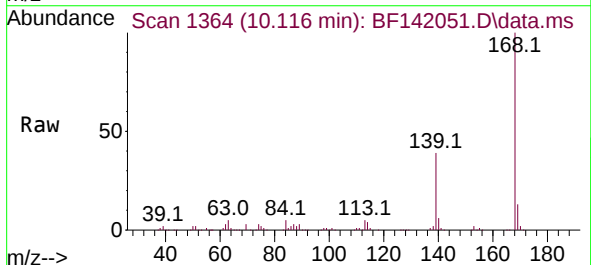


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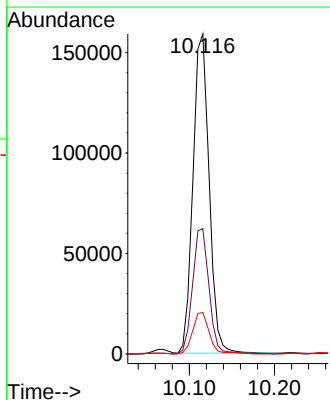
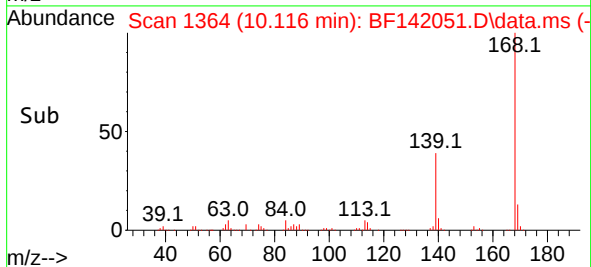
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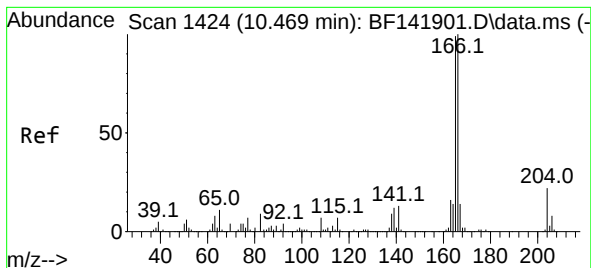


#55
Dibenzofuran
Concen: 9.619 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26



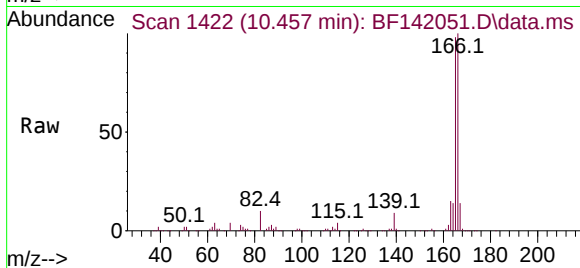
Tgt Ion:168 Resp: 209169
Ion Ratio Lower Upper
168 100
139 39.1 33.9 50.9
169 13.0 11.0 16.4





#58
Fluorene
Concen: 12.081 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

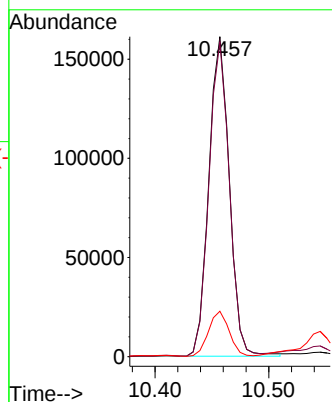
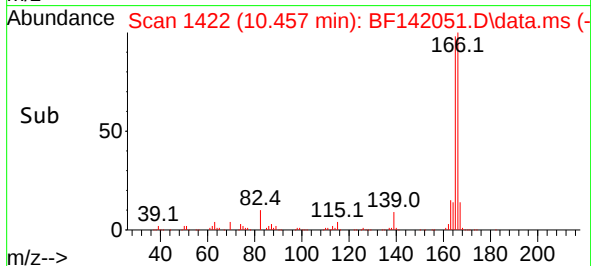
Instrument :
BNA_F
ClientSampleId :
TP-5DL



Tgt Ion:166 Resp: 202588
Ion Ratio Lower Upper
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165 98.3 79.0 118.4
167 14.2 11.0 16.4

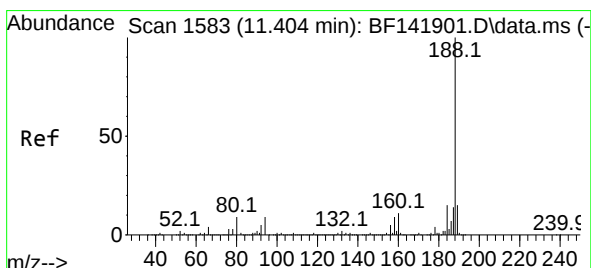
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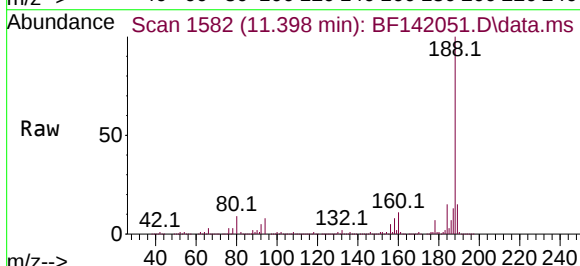


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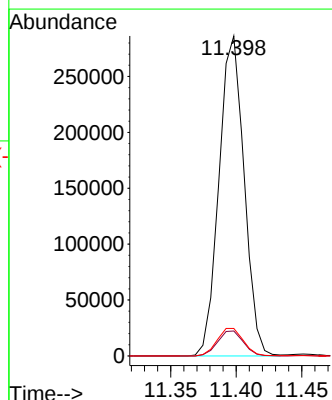
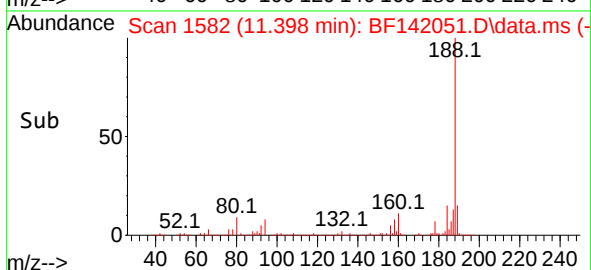
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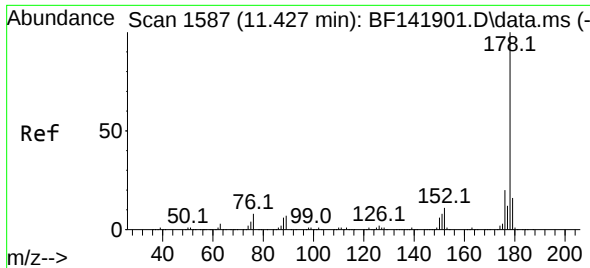


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26



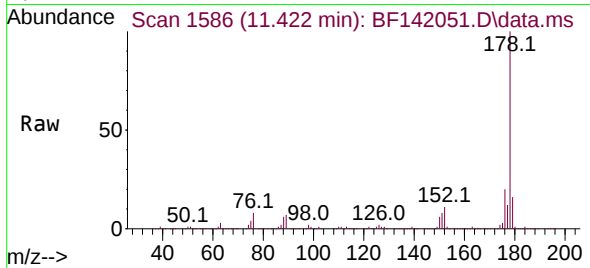
Tgt Ion:188 Resp: 381945
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.6 7.6 11.4





#71
Phenanthrene
Concen: 101.895 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

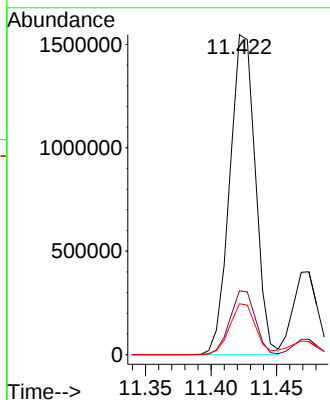
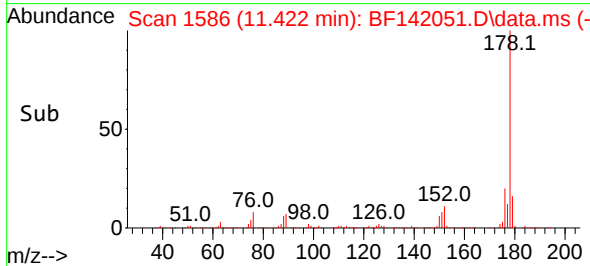
Instrument :
BNA_F
ClientSampleId :
TP-5DL



Tgt Ion:178 Resp: 210210
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.9 12.6 19.0

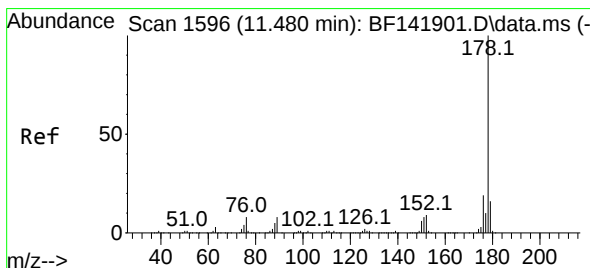
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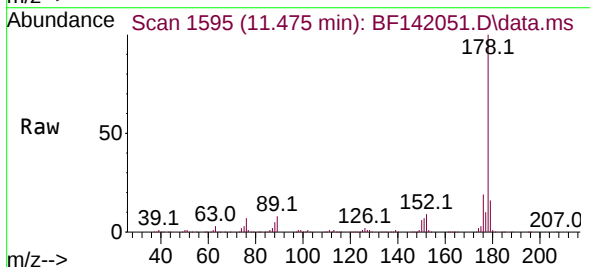


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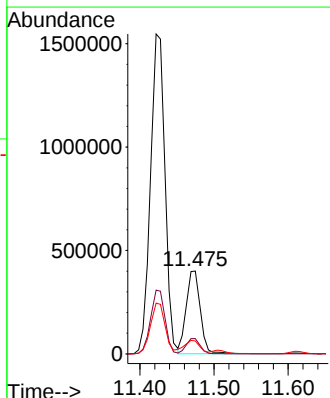
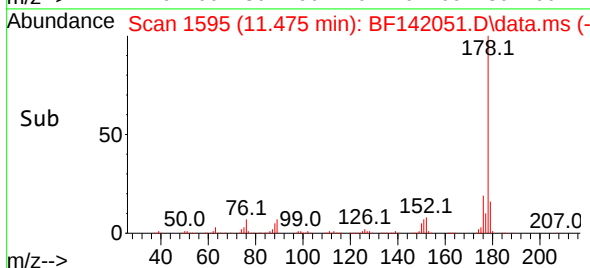
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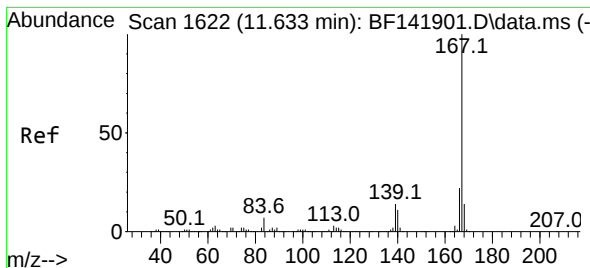


#72
Anthracene
Concen: 25.657 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26



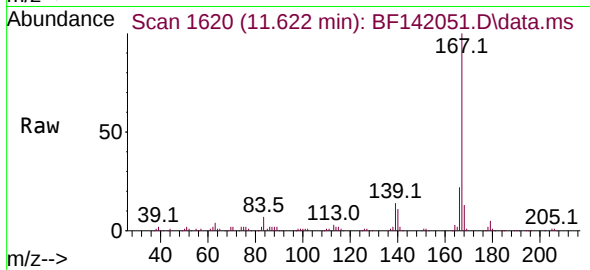
Tgt Ion:178 Resp: 531026
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 10.024 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142051.D
 Acq: 24 Mar 2025 13:26

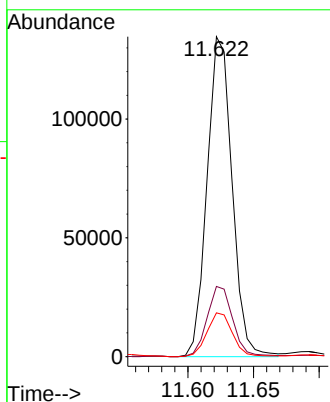
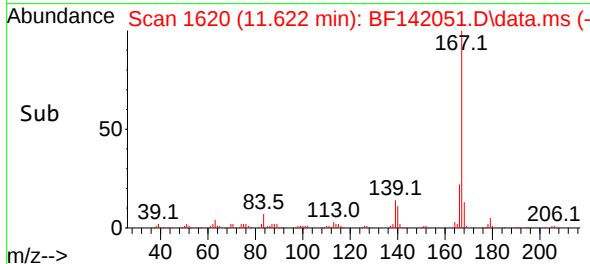
Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL



Tgt Ion:167 Resp: 178928
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.7 11.0 16.6

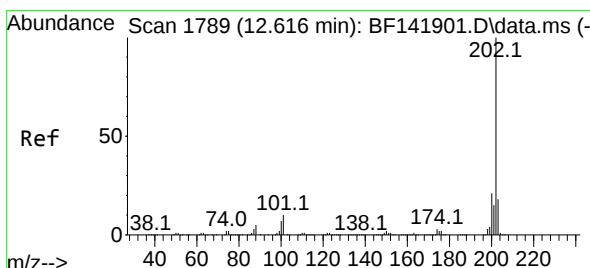
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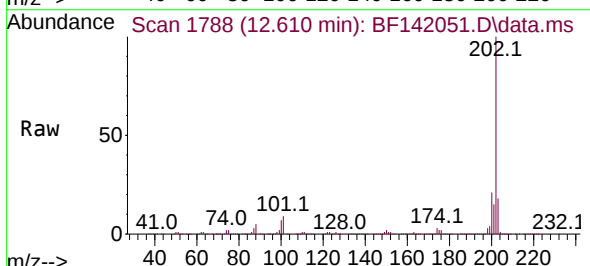


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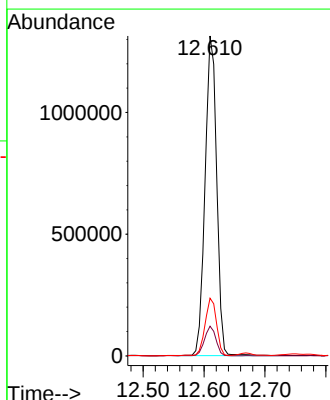
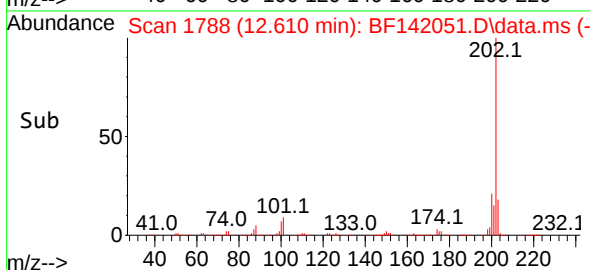
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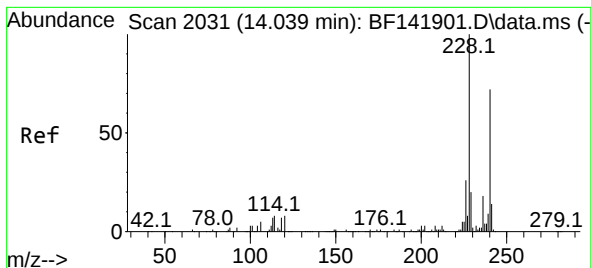


#75
 Fluoranthene
 Concen: 79.148 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF142051.D
 Acq: 24 Mar 2025 13:26



Tgt Ion:202 Resp: 1732053
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.7
 203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142051.D

Acq: 24 Mar 2025 13:26

Instrument :

BNA_F

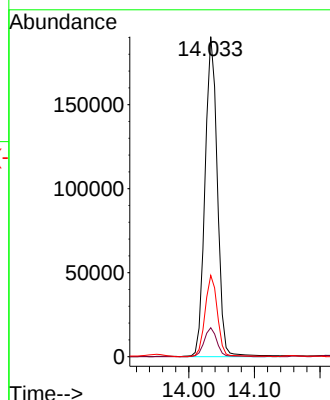
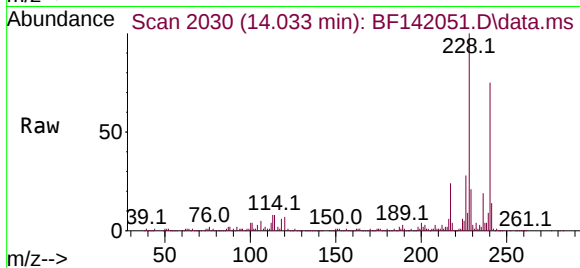
ClientSampleId :

TP-5DL

Tgt Ion:240 Resp: 248081
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.4 12.6
 236 25.4 20.5 30.7

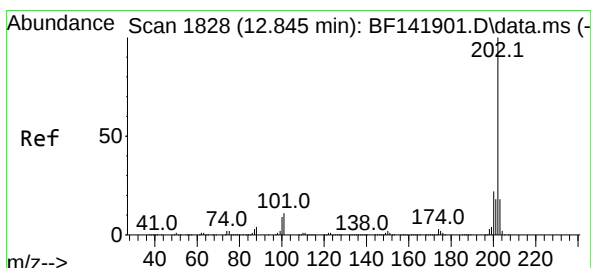
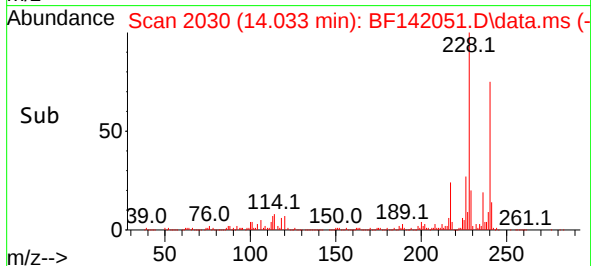
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#78

Pyrene

Concen: 63.826 ng

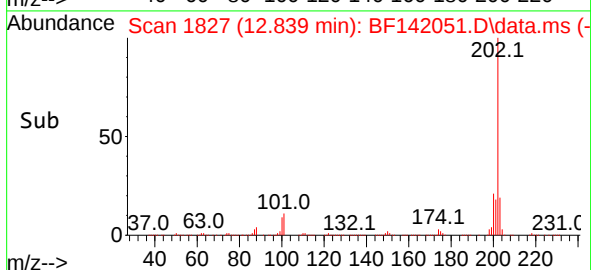
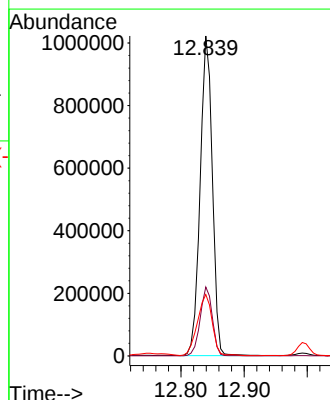
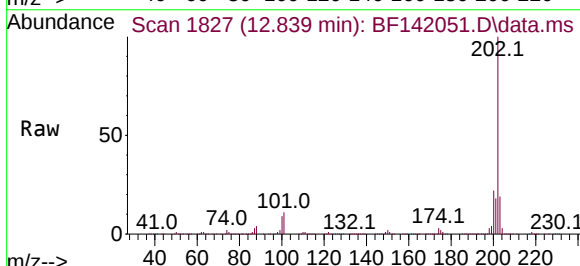
RT: 12.839 min Scan# 1827

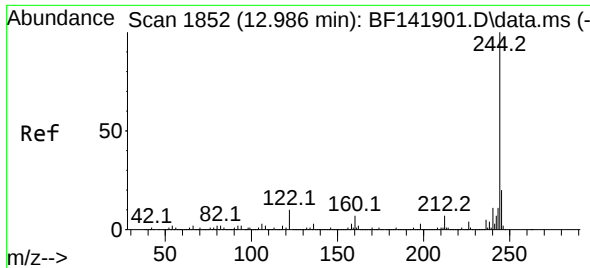
Delta R.T. -0.006 min

Lab File: BF142051.D

Acq: 24 Mar 2025 13:26

Tgt Ion:202 Resp: 1369653
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.3 25.9
 203 19.2 14.4 21.6





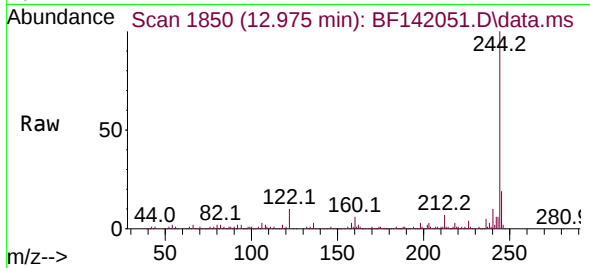
#79
 Terphenyl-d14
 Concen: 10.935 ng
 RT: 12.975 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142051.D
 Acq: 24 Mar 2025 13:26

Instrument :

BNA_F

ClientSampleId :

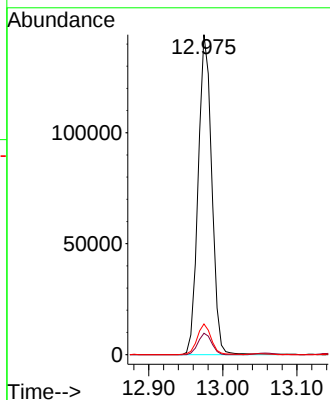
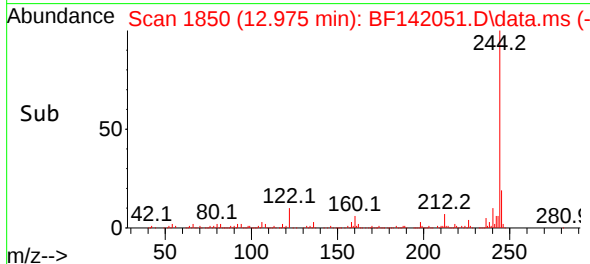
TP-5DL



Tgt Ion:244 Resp: 183480
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.6 7.7 11.5

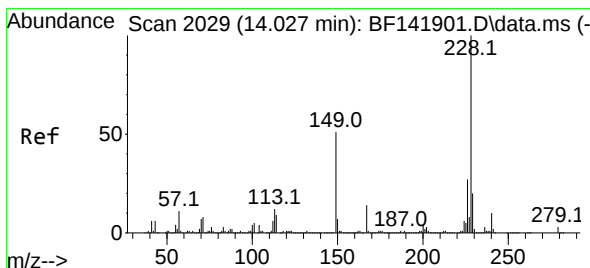
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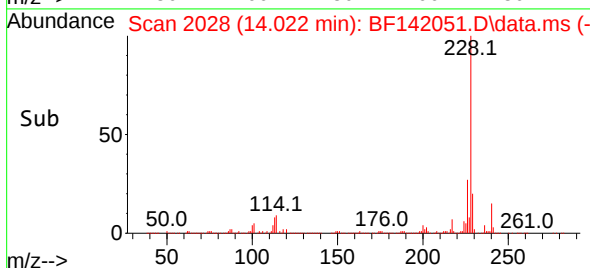
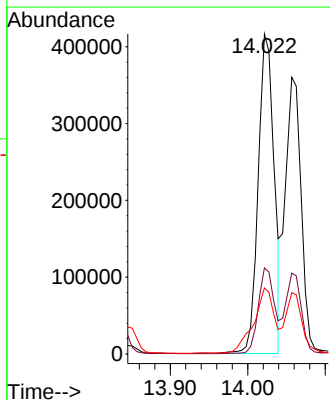
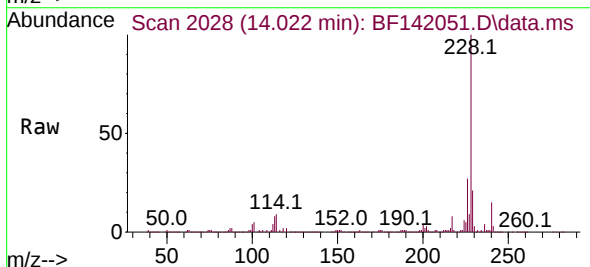
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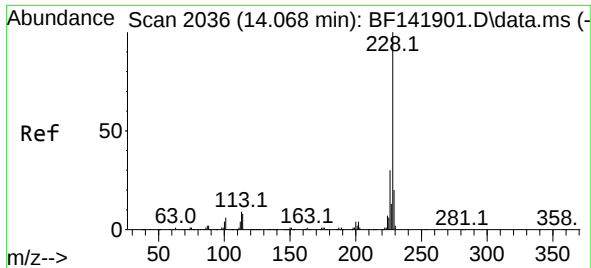
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#81
 Benzo(a)anthracene
 Concen: 36.491 ng
 RT: 14.022 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142051.D
 Acq: 24 Mar 2025 13:26

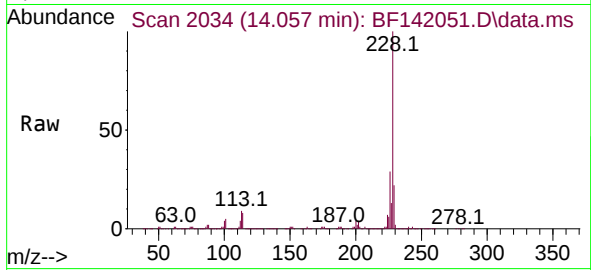
Tgt Ion:228 Resp: 594042
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.8 32.8
 229 20.6 16.0 24.0





#83
Chrysene
Concen: 34.481 ng
RT: 14.057 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

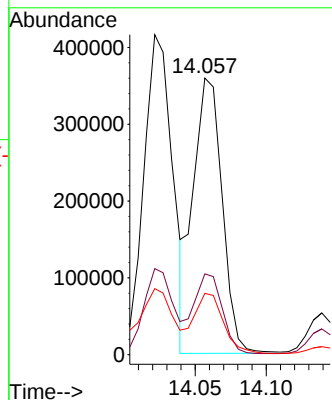
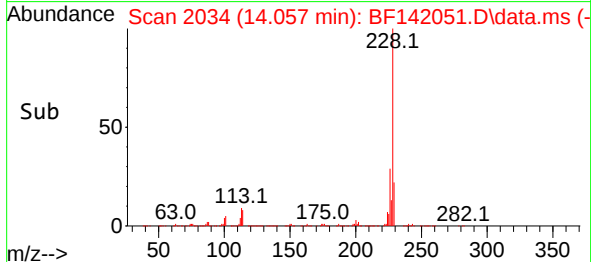
Instrument :
BNA_F
ClientSampleId :
TP-5DL



Tgt Ion:228 Resp: 508813
Ion Ratio Lower Upper
228 100
226 29.2 24.1 36.1
229 22.1 15.7 23.5

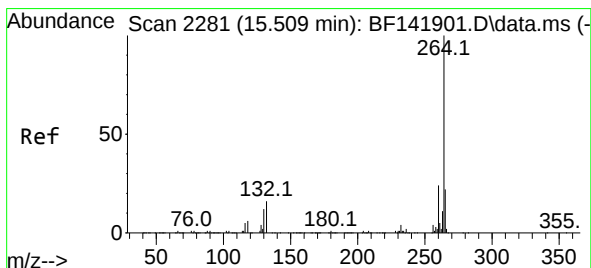
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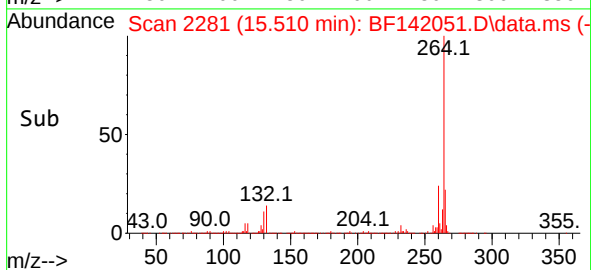
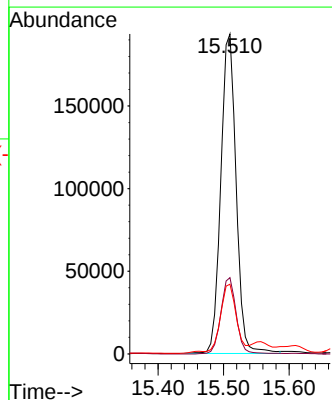
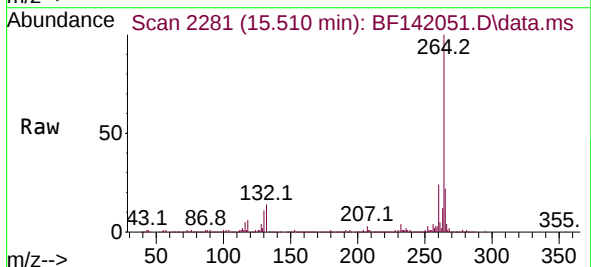
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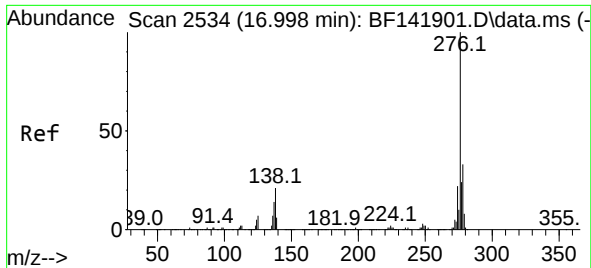
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142051.D
Acq: 24 Mar 2025 13:26

Tgt Ion:264 Resp: 315397
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.8 17.5 26.3





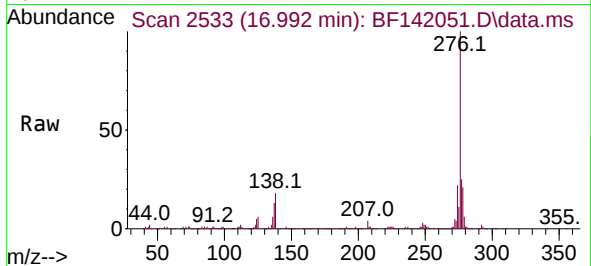
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.885 ng
 RT: 16.992 min Scan# 2534
 Delta R.T. -0.006 min
 Lab File: BF142051.D
 Acq: 24 Mar 2025 13:26

Instrument :

BNA_F

ClientSampleId :

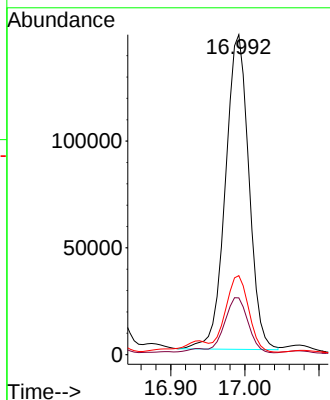
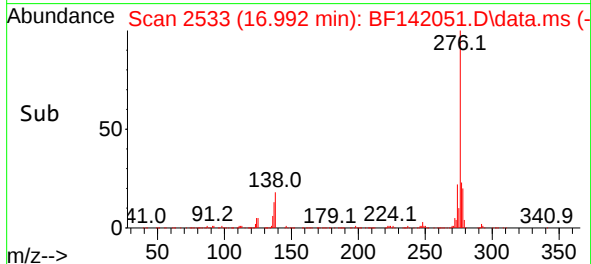
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Tgt Ion:276 Resp: 324094
 Ion Ratio Lower Upper
 276 100
 138 18.6 18.4 27.6
 277 24.2 20.3 30.5

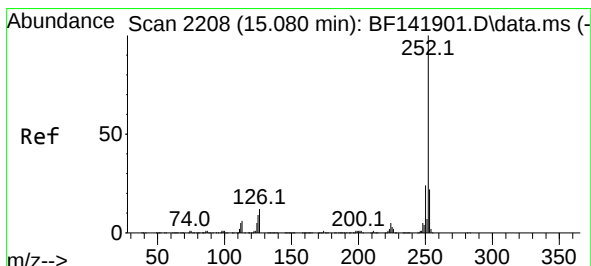
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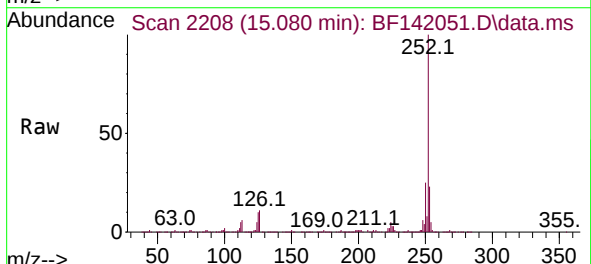


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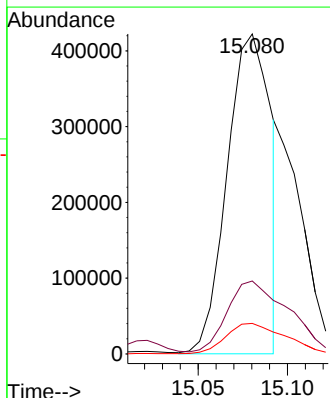
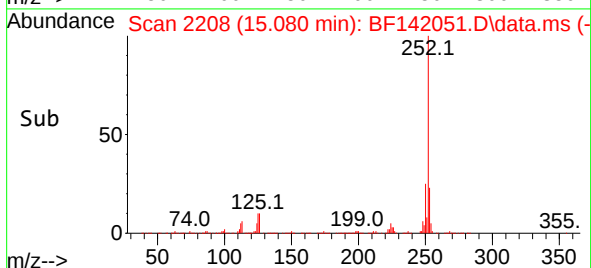
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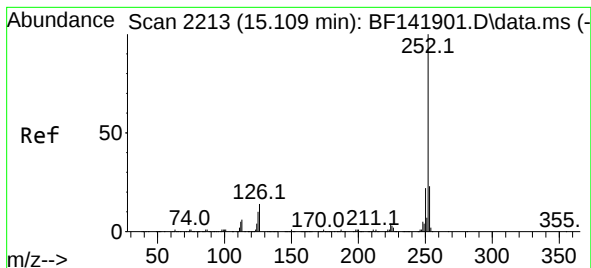


#88
 Benzo(b)fluoranthene
 Concen: 33.281 ng m
 RT: 15.080 min Scan# 2208
 Delta R.T. 0.000 min
 Lab File: BF142051.D
 Acq: 24 Mar 2025 13:26



Tgt Ion:252 Resp: 719400
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 9.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 15.610 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142051.D

Acq: 24 Mar 2025 13:26

Instrument :

BNA_F

ClientSampleId :

TP-5DL

Tgt Ion:252 Resp: 288760

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

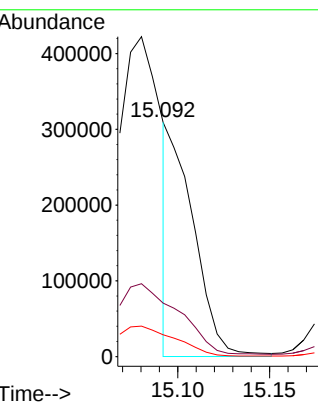
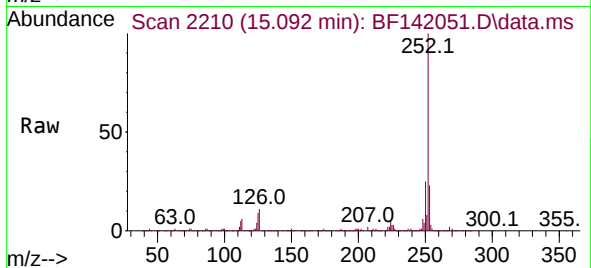
125 9.3 7.2 10.8

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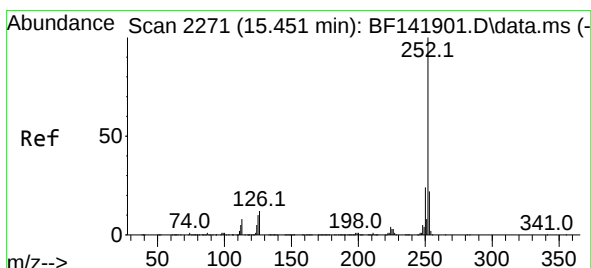
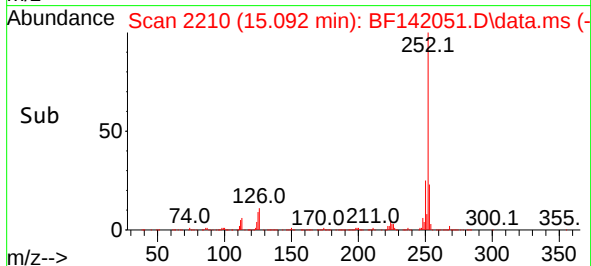


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#90

Benzo(a)pyrene

Concen: 30.662 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142051.D

Acq: 24 Mar 2025 13:26

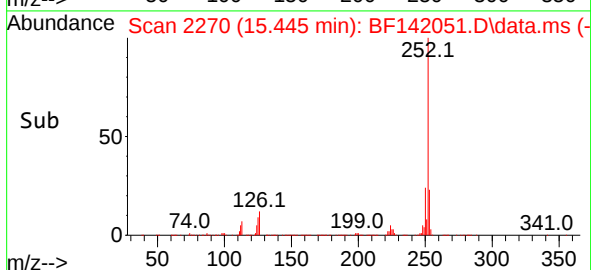
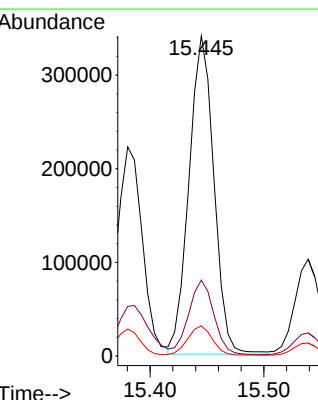
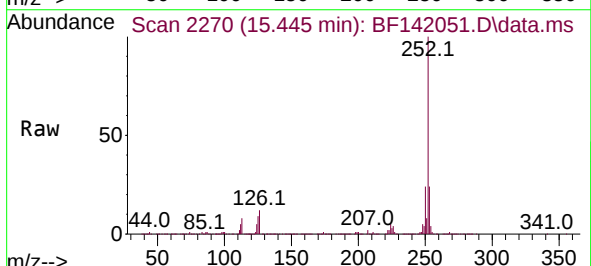
Tgt Ion:252 Resp: 518612

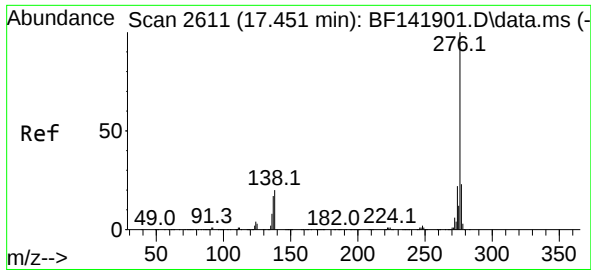
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 9.4 7.8 11.8





#92

Benzo(g,h,i)perylene

Concen: 17.950 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF142051.D

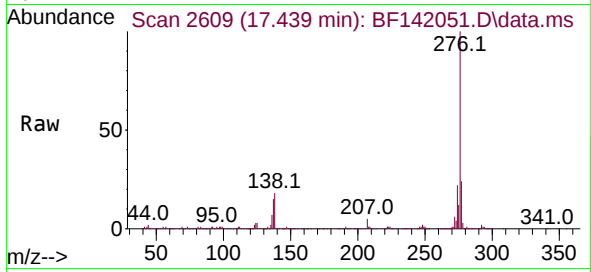
Acq: 24 Mar 2025 13:26

Instrument :

BNA_F

ClientSampleId :

TP-5DL



Tgt Ion:276 Resp: 298592

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

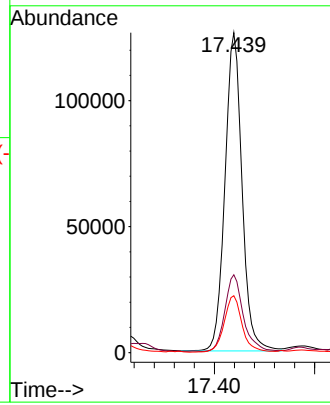
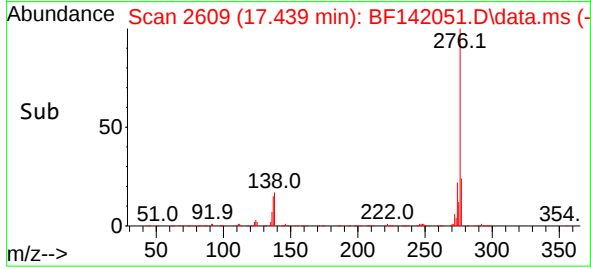
138 17.8 15.8 23.8

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