

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144161.D
 Acq On : 31 Oct 2025 01:39
 Operator : RC/JU
 Sample : Q3486-03 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Oct 31 02:40:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/31/2025
1) 1,4-Dichlorobenzene-d4	6.881	152	55085	20.000	ng	0.00	Supervised By :Jagrut padhyay
21) Naphthalene-d8	8.163	136	185920	20.000	ng	0.00	
39) Acenaphthene-d10	9.916	164	89684	20.000	ng	0.00	
64) Phenanthrene-d10	11.410	188	158708	20.000	ng	0.00	
76) Chrysene-d12	14.068	240	149162	20.000	ng	0.01	
86) Perylene-d12	15.551	264	124249	20.000	ng	# 0.01	10/31/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	30611	8.792	ng	0.00	
7) Phenol-d6	6.510	99	33792	8.788	ng	0.00	
23) Nitrobenzene-d5	7.439	82	20772	6.121	ng	0.00	
42) 2,4,6-Tribromophenol	10.710	330	10122	8.860	ng	0.00	
45) 2-Fluorobiphenyl	9.233	172	41093	6.448	ng	0.00	
79) Terphenyl-d14	12.998	244	47268	5.540	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.181	128	19871	2.265	ng		98
37) 2-Methylnaphthalene	8.875	142	28468	4.921	ng		96
38) 1-Methylnaphthalene	8.975	142	25790	4.705	ng		94
49) Acenaphthylene	9.780	152	161662	22.292	ng		99
52) Acenaphthene	9.951	154	15747	3.251	ng		95
58) Fluorene	10.469	166	108019	21.084	ng	#	90
71) Phenanthrene	11.439	178	628918	79.772	ng		99
72) Anthracene	11.486	178	179238	22.008	ng		97
75) Fluoranthene	12.633	202	672020	77.153	ng		97
78) Pyrene	12.868	202	1245827	116.175	ng		96
81) Benzo(a)anthracene	14.057	228	676182	67.079	ng	#	83
83) Chrysene	14.092	228	608629	64.341	ng	#	90
87) Indeno(1,2,3-cd)pyrene	17.056	276	112417	13.178	ng		95
88) Benzo(b)fluoranthene	15.121	252	331300m	47.166	ng		
89) Benzo(k)fluoranthene	15.133	252	115031m	17.750	ng		
90) Benzo(a)pyrene	15.492	252	376407	59.732	ng	#	95
91) Dibenzo(a,h)anthracene	17.062	278	43646	6.464	ng	#	70
92) Benzo(g,h,i)perylene	17.515	276	177120	26.090	ng		97

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

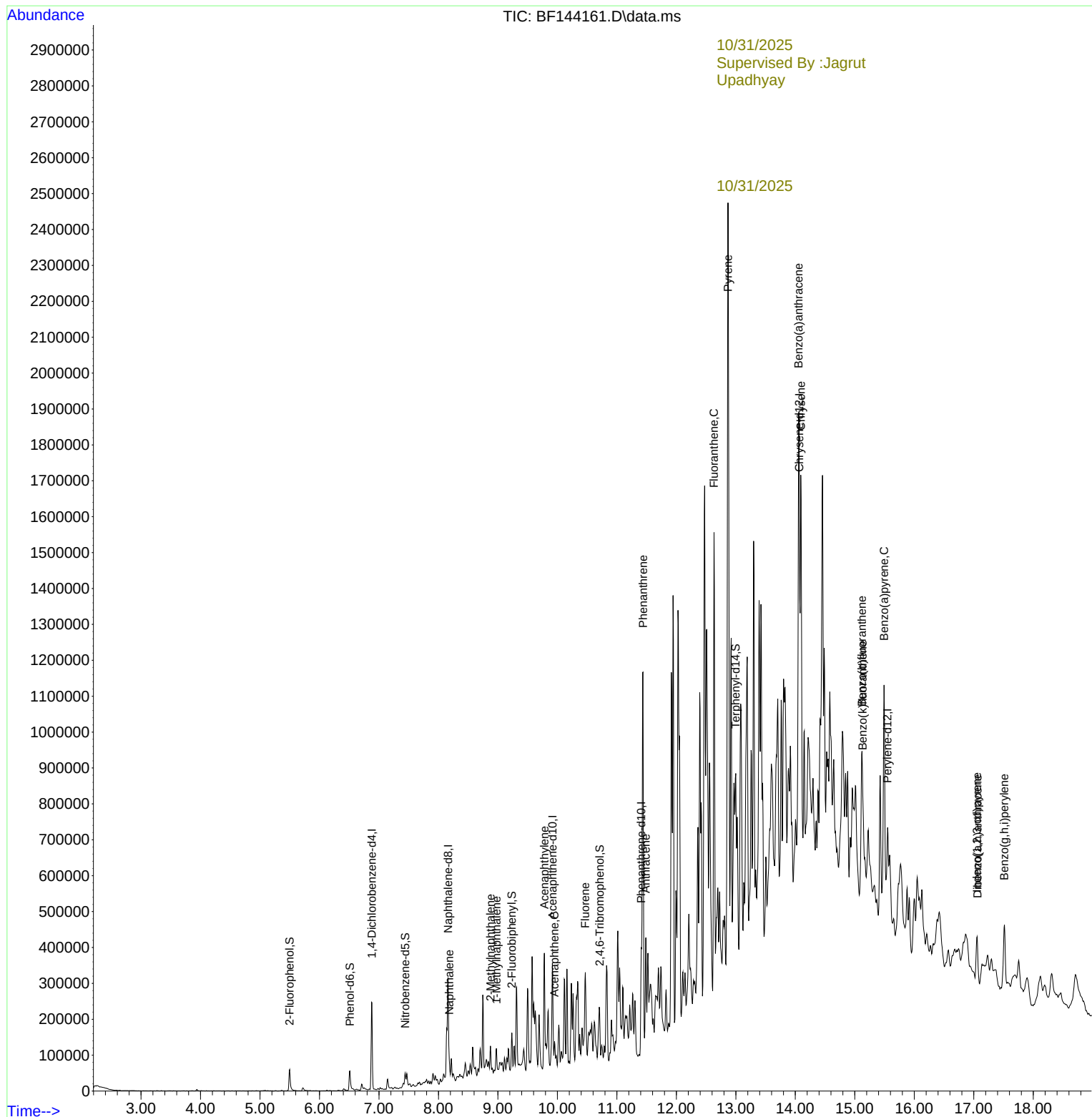
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
Data File : BF144161.D
Acq On : 31 Oct 2025 01:39
Operator : RC/JU
Sample : Q3486-03 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

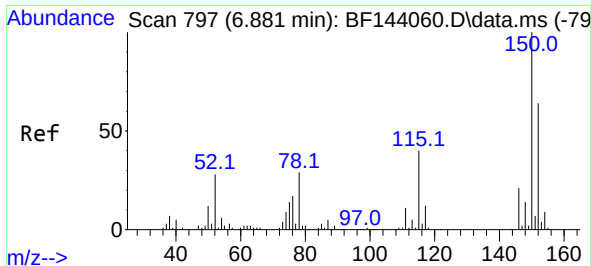
Instrument :
BNA_F
ClientSampleId :
TP4

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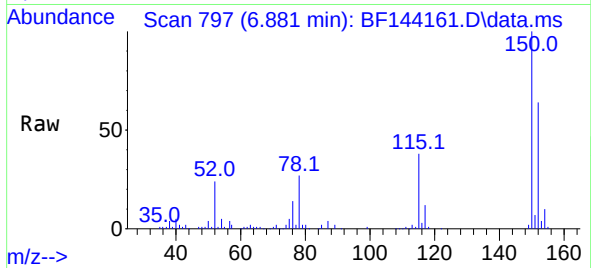
Quant Time: Oct 31 02:40:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

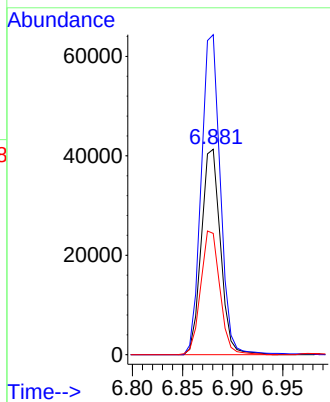
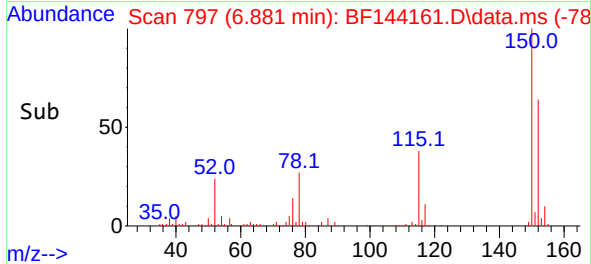
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:152 Resp: 5508
Ion Ratio Lower Upper
152 100
150 155.8 124.4 186.6
115 59.0 49.4 74.0

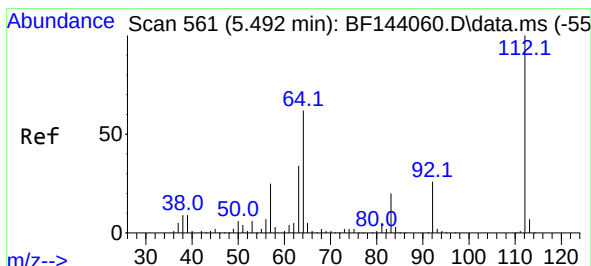
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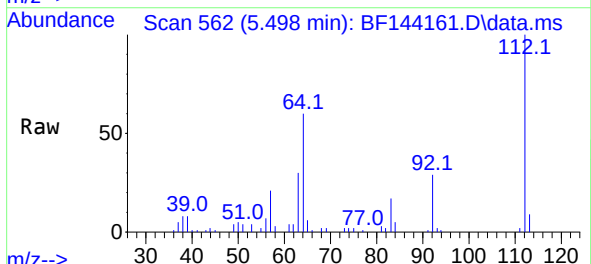


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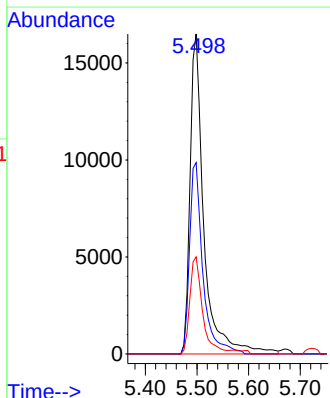
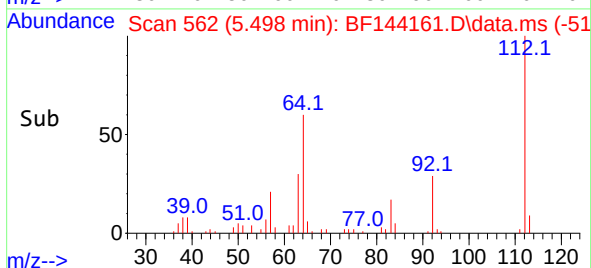
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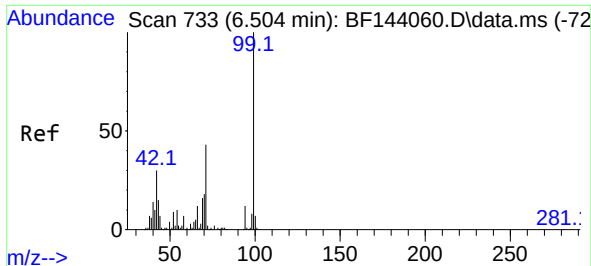


#5
2-Fluorophenol
Concen: 8.792 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



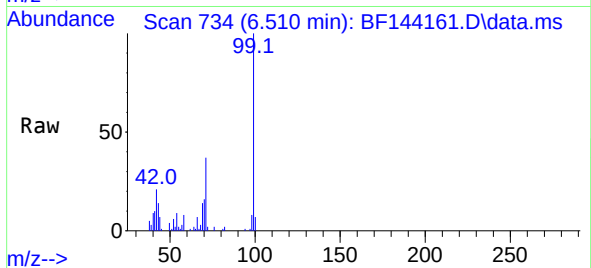
Tgt Ion:112 Resp: 30611
Ion Ratio Lower Upper
112 100
64 59.8 49.8 74.8
63 30.4 27.4 41.2





#7
Phenol-d6
Concen: 8.788 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

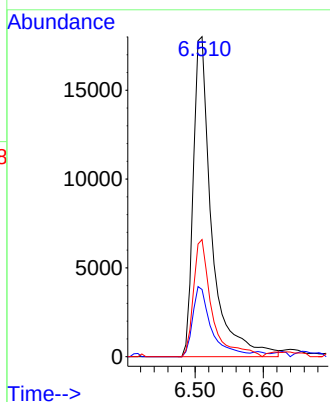
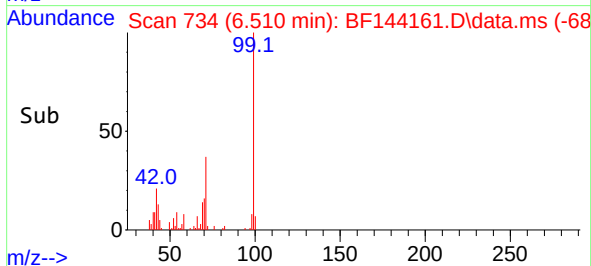
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion: 99 Resp: 33792
Ion Ratio Lower Upper
99 100
42 21.0 23.9 35.9
71 36.6 34.4 51.6

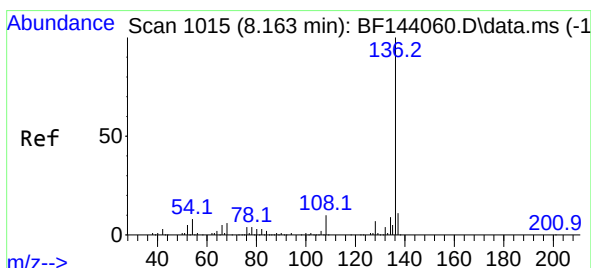
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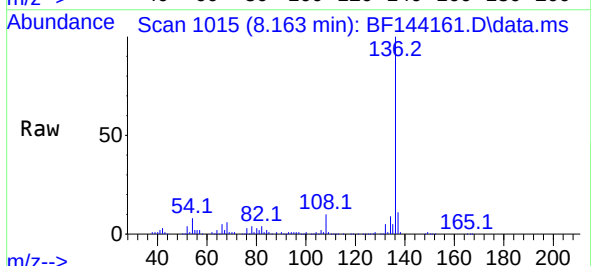


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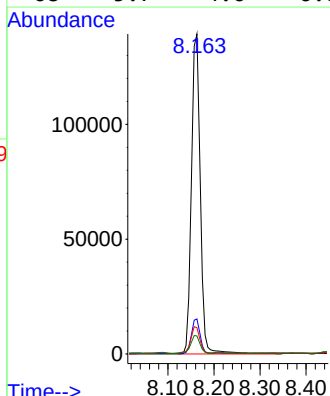
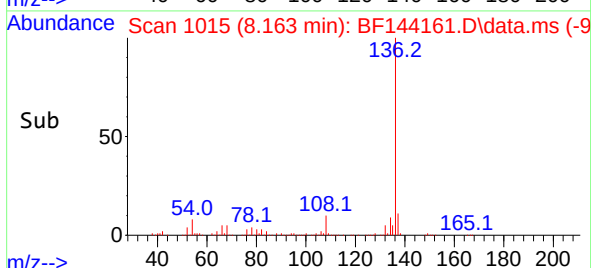
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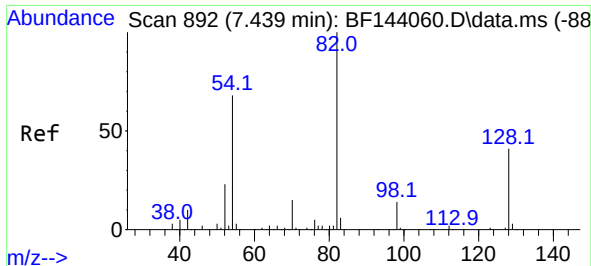


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



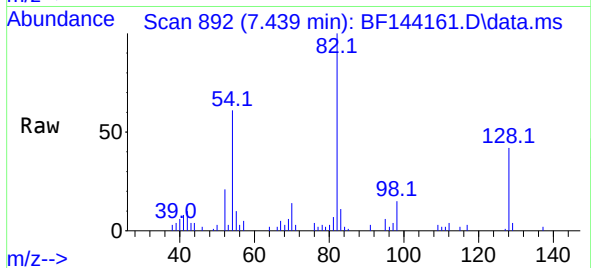
Tgt Ion:136 Resp: 185920
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 6.6 9.8
68 5.7 4.6 6.8





#23
Nitrobenzene-d5
Concen: 6.121 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

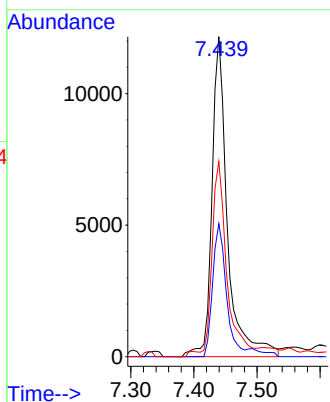
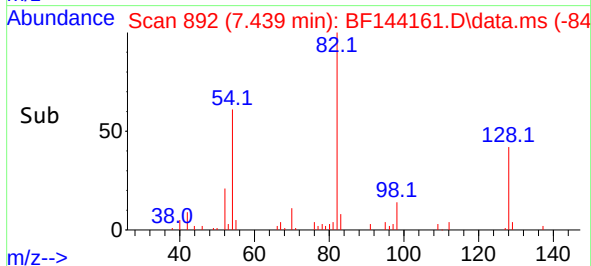
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion: 82 Resp: 20772
Ion Ratio Lower Upper
82 100
128 41.5 32.4 48.6
54 61.0 54.0 81.0

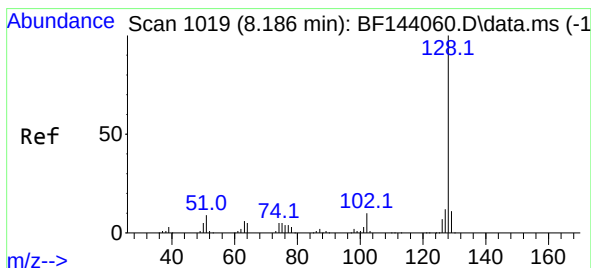
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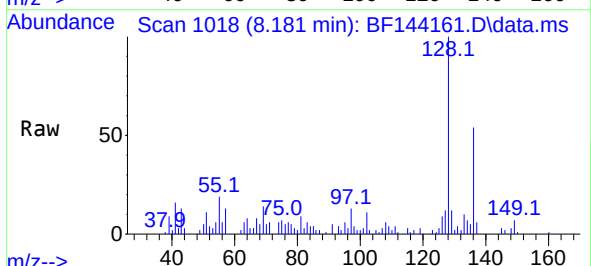


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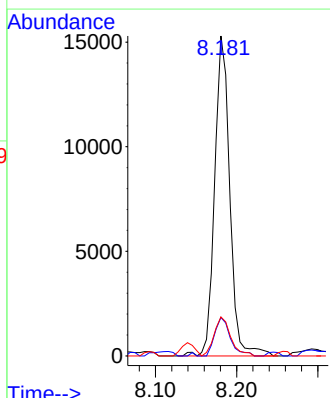
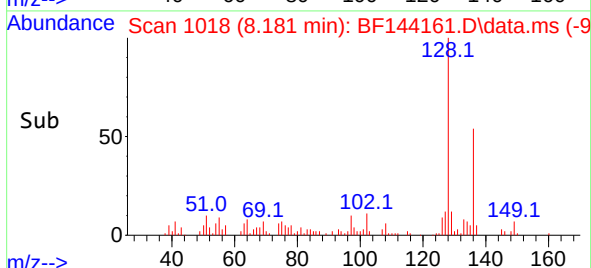
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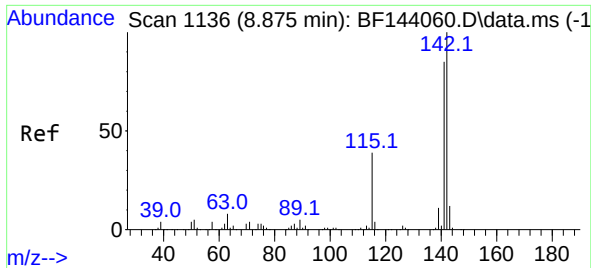


#31
Naphthalene
Concen: 2.265 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



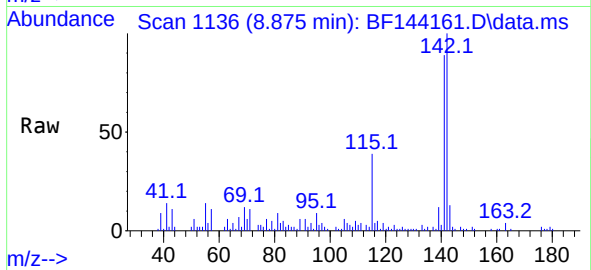
Tgt Ion:128 Resp: 19871
Ion Ratio Lower Upper
128 100
129 12.1 8.4 12.6
127 12.2 9.9 14.9





#37
2-Methylnaphthalene
Concen: 4.921 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

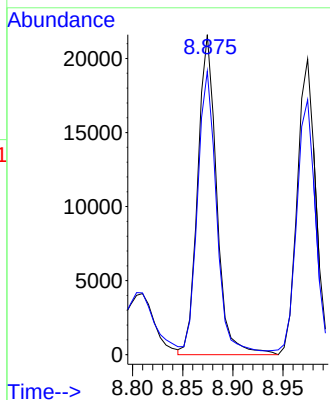
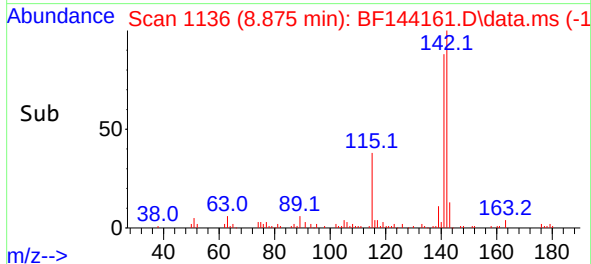
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:142 Resp: 2846
Ion Ratio Lower Upper
142 100
141 88.6 67.6 101.4

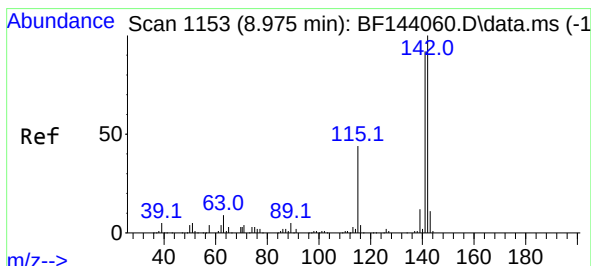
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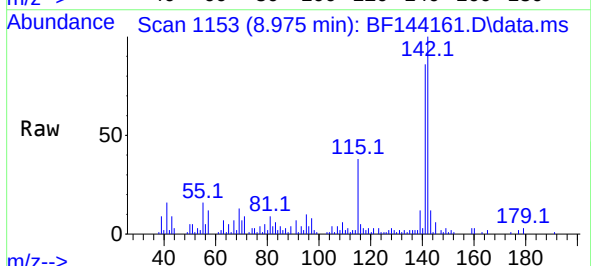


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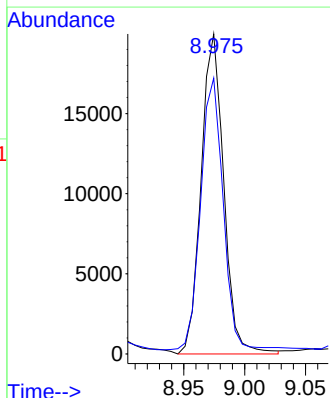
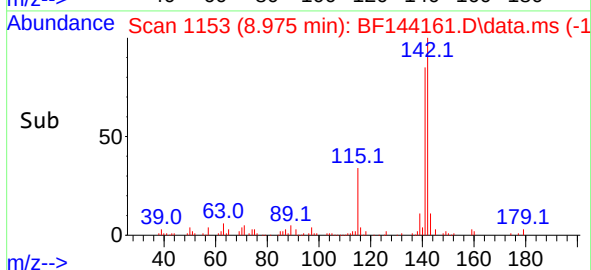
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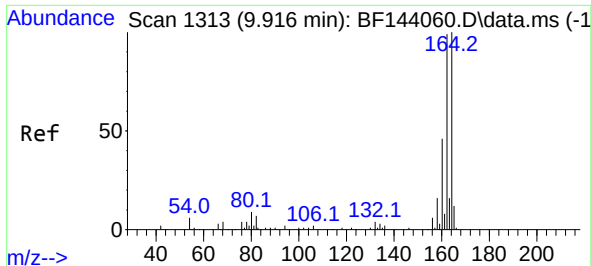


#38
1-Methylnaphthalene
Concen: 4.705 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



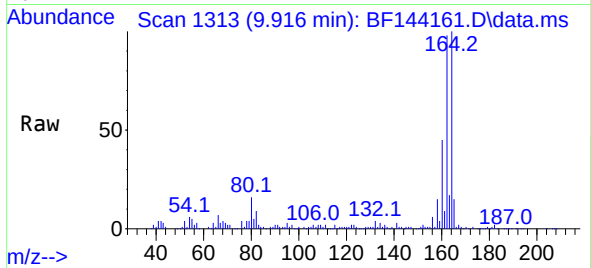
Tgt Ion:142 Resp: 25790
Ion Ratio Lower Upper
142 100
141 86.2 73.4 110.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

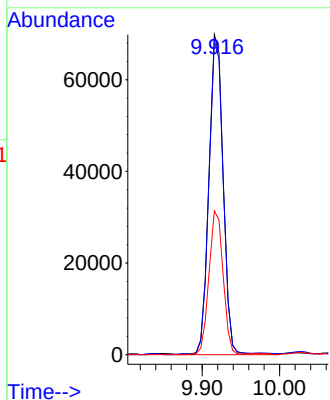
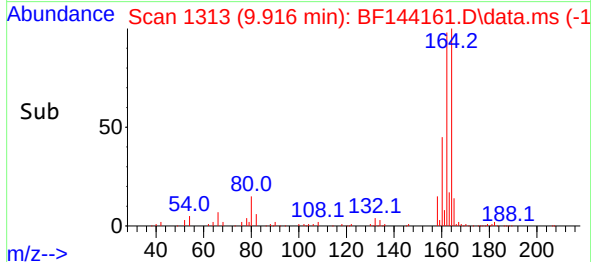
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:164 Resp: 89684
Ion Ratio Lower Upper
164 100
162 98.2 79.4 119.2
160 45.0 36.7 55.1

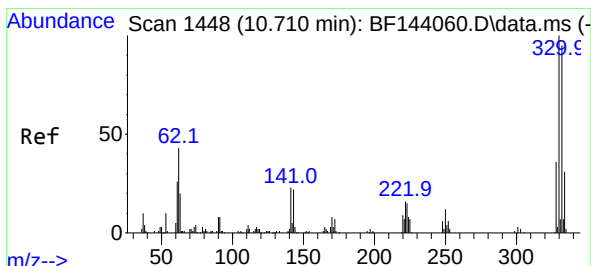
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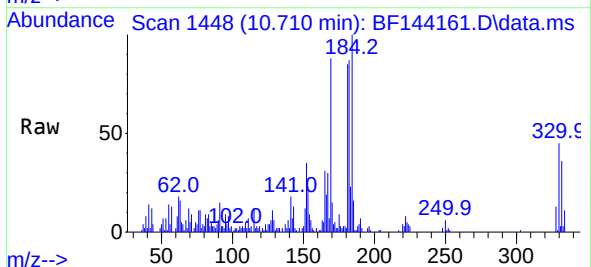


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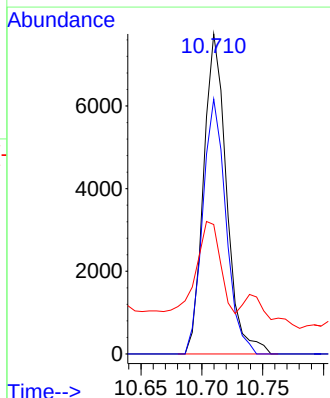
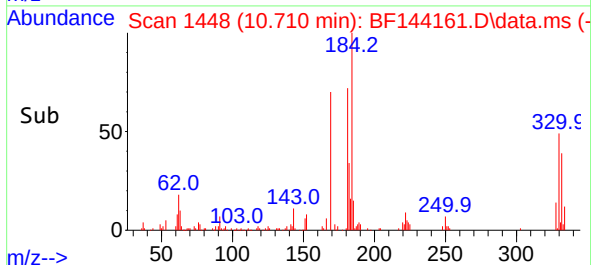
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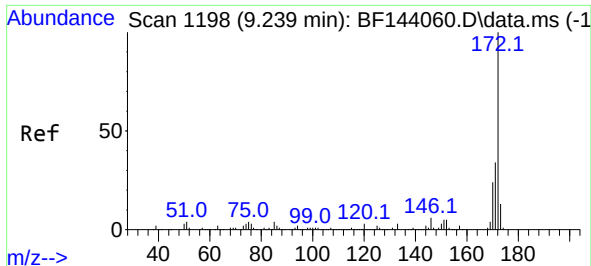


#42
2,4,6-Tribromophenol
Concen: 8.860 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



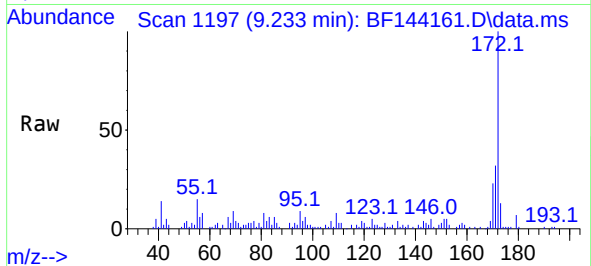
Tgt Ion:330 Resp: 10122
Ion Ratio Lower Upper
330 100
332 80.7 77.0 115.6
141 29.5 19.4 29.0#





#45
2-Fluorobiphenyl
Concen: 6.448 ng
RT: 9.233 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

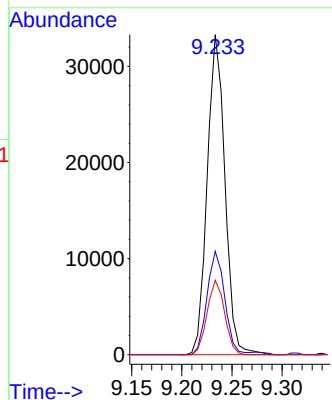
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:172 Resp: 41093
Ion Ratio Lower Upper
172 100
171 32.3 27.5 41.3
170 23.3 19.0 28.6

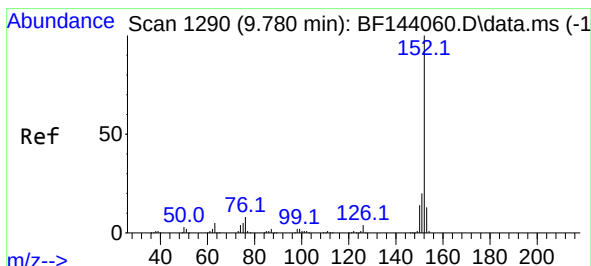
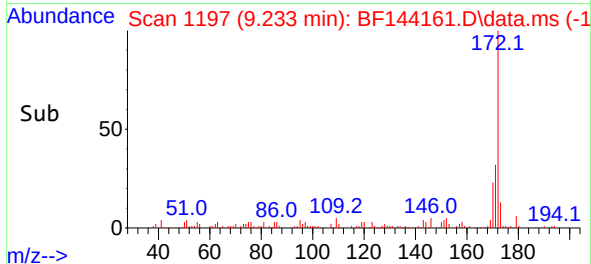
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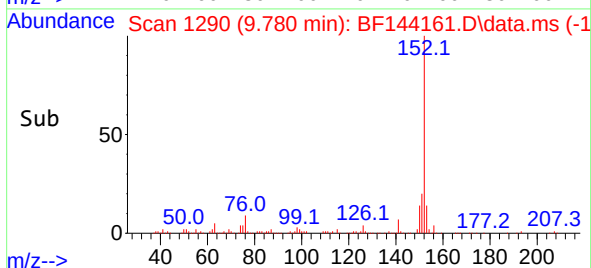
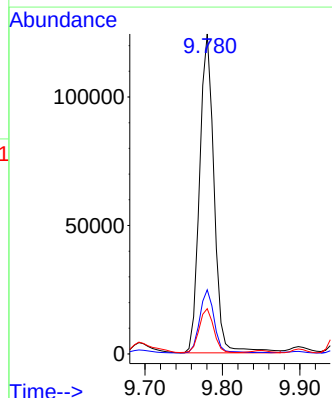
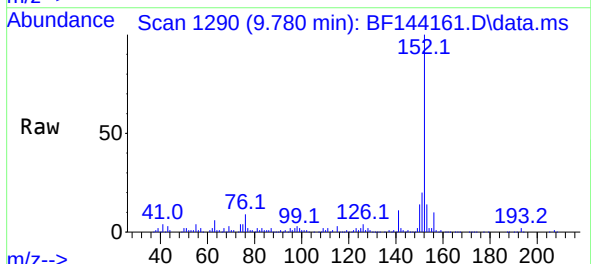
10/31/2025
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Upadhyay

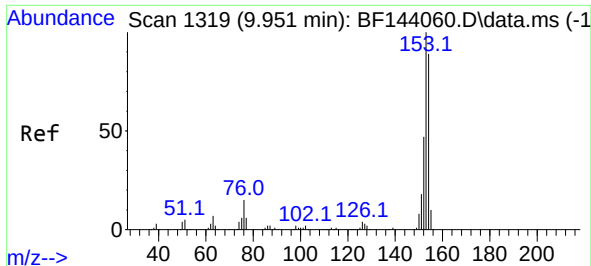
10/31/2025



#49
Acenaphthylene
Concen: 22.292 ng
RT: 9.780 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

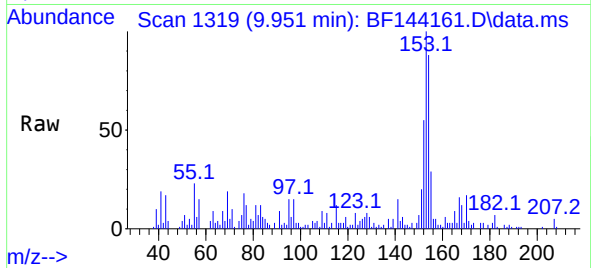
Tgt Ion:152 Resp: 161662
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 14.2 10.4 15.6





#52
Acenaphthene
Concen: 3.251 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

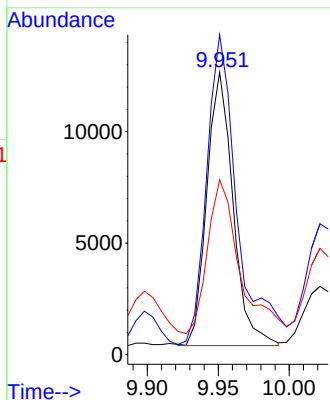
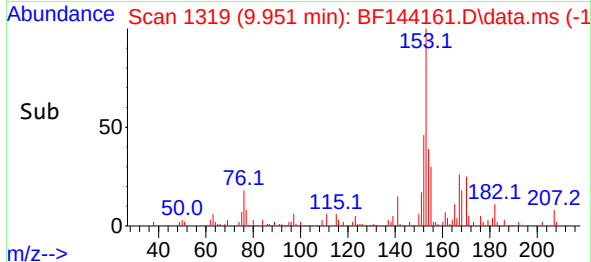
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:154 Resp: 1574
Ion Ratio Lower Upper
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153 113.2 89.9 134.9
152 61.9 42.0 63.0

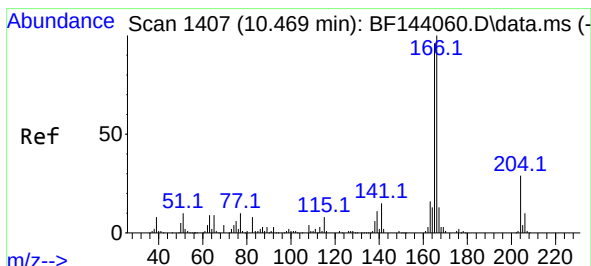
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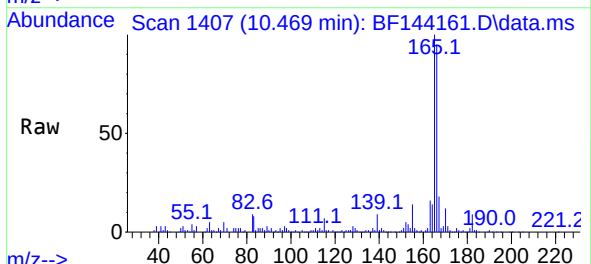


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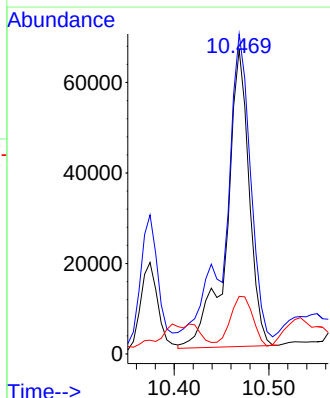
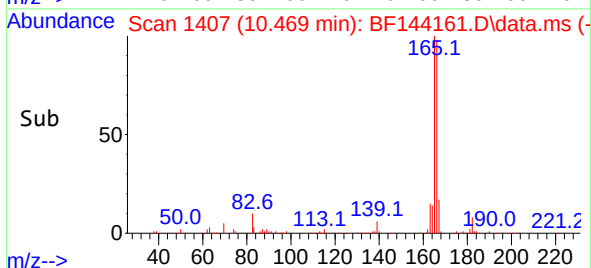
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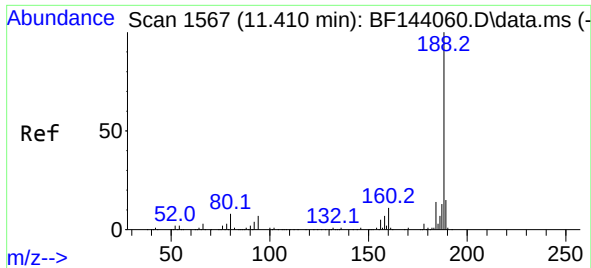


#58
Fluorene
Concen: 21.084 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



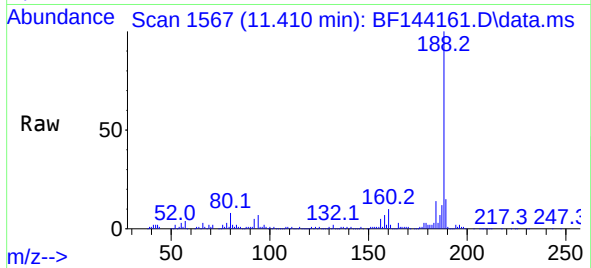
Tgt Ion:166 Resp: 108019
Ion Ratio Lower Upper
166 100
165 105.1 77.0 115.4
167 18.9 10.2 15.4#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

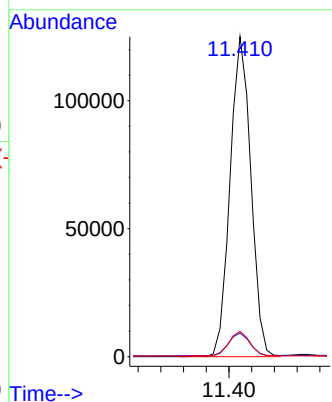
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:188 Resp: 158708
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 7.9 6.0 9.0

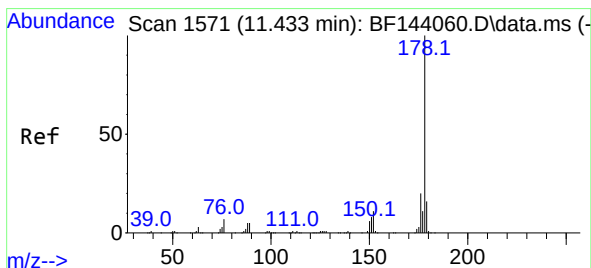
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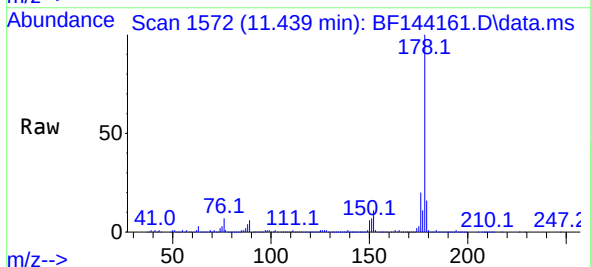


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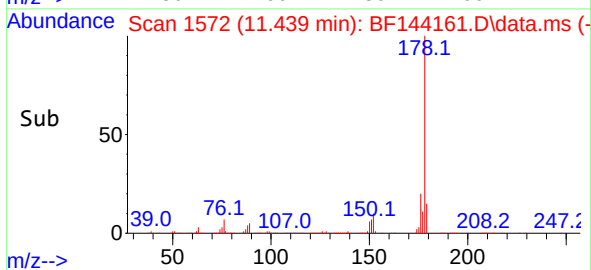
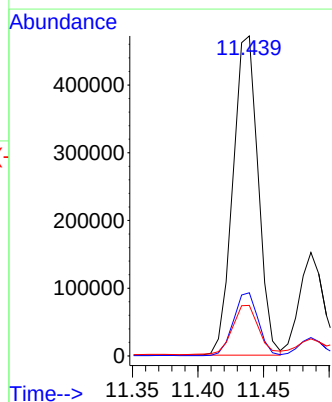
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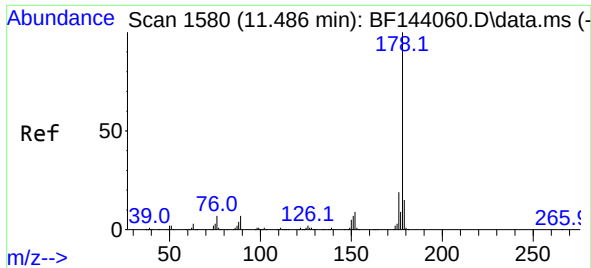


#71
Phenanthrene
Concen: 79.772 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



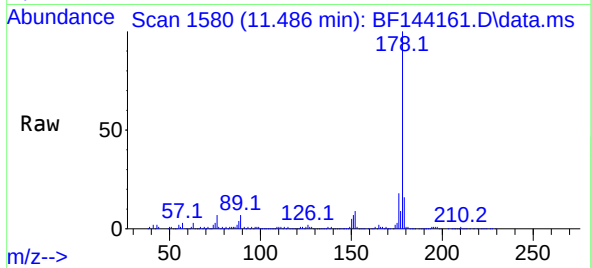
Tgt Ion:178 Resp: 628918
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.8 12.6 18.8





#72
 Anthracene
 Concen: 22.008 ng
 RT: 11.486 min Scan# 1148
 Delta R.T. -0.000 min
 Lab File: BF144161.D
 Acq: 31 Oct 2025 01:39

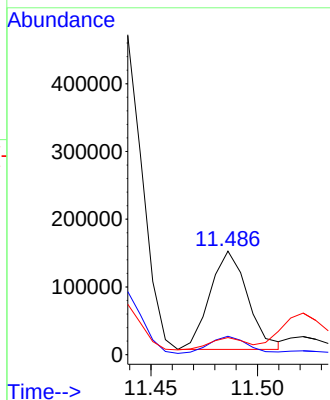
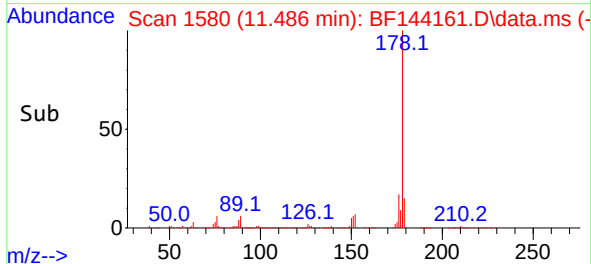
Instrument :
 BNA_F
 ClientSampleId :
 TP4



Tgt Ion:178 Resp: 179238
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.4
 179 16.5 11.8 17.6

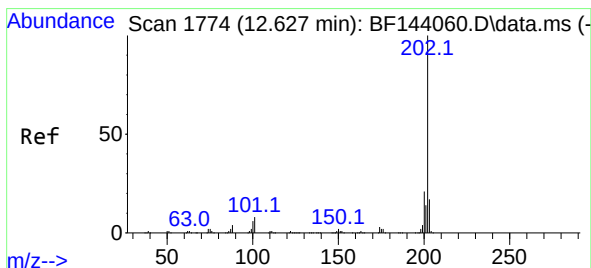
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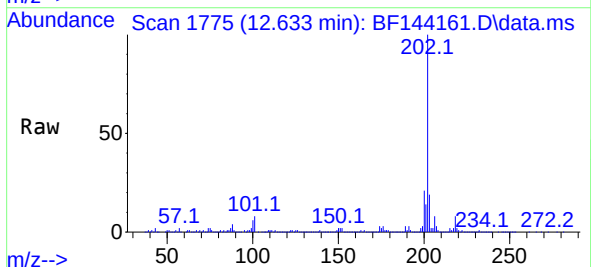


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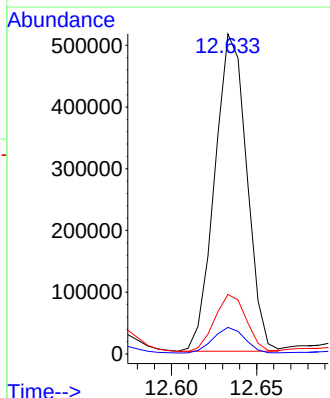
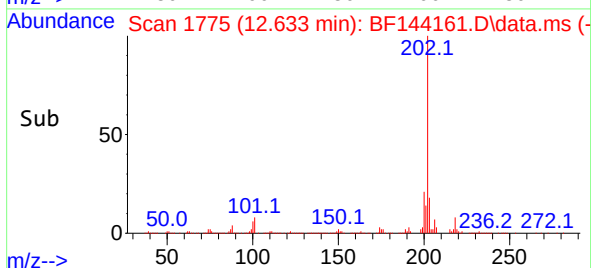
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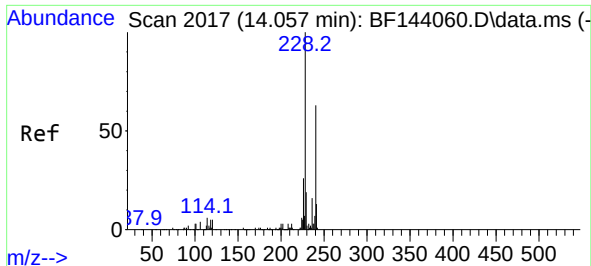


#75
 Fluoranthene
 Concen: 77.153 ng
 RT: 12.633 min Scan# 1775
 Delta R.T. 0.006 min
 Lab File: BF144161.D
 Acq: 31 Oct 2025 01:39



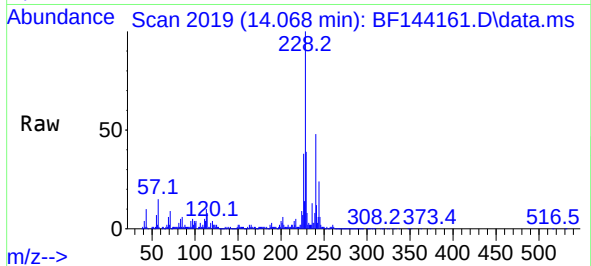
Tgt Ion:202 Resp: 672020
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 27.7
 203 18.6 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

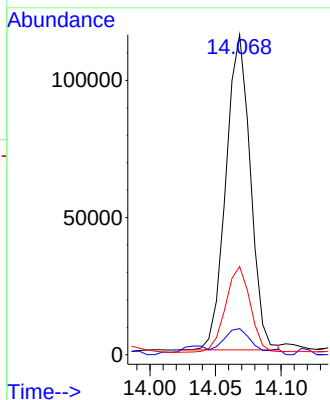
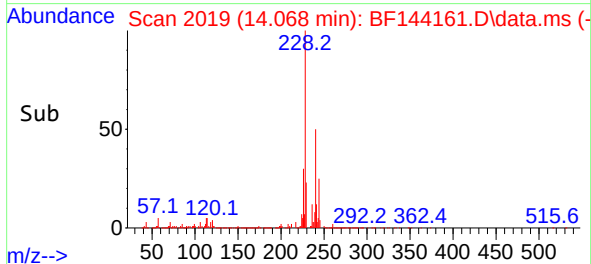
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:240 Resp: 149162
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 27.5 20.1 30.1

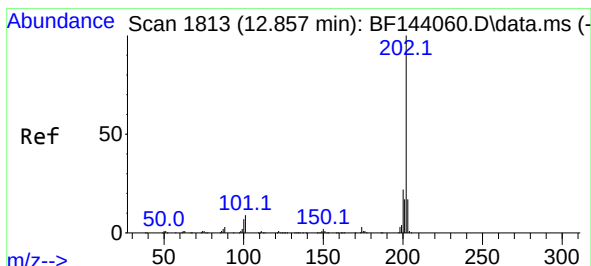
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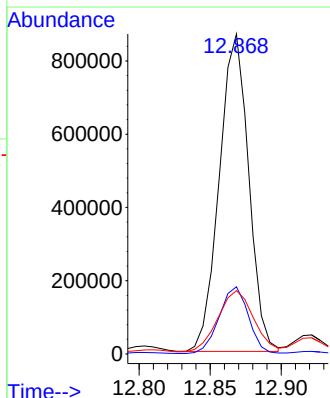
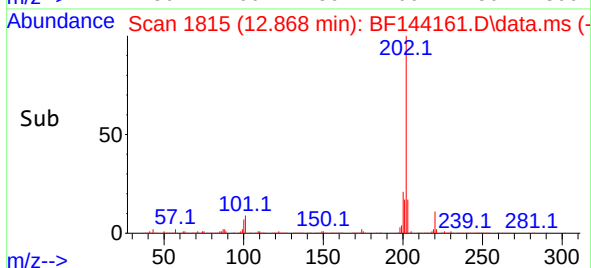
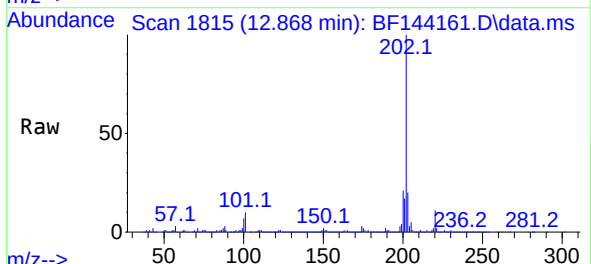
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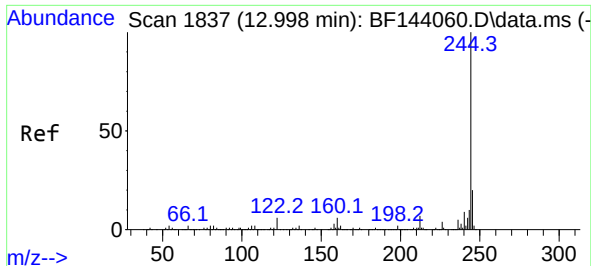
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#78
Pyrene
Concen: 116.175 ng
RT: 12.868 min Scan# 1815
Delta R.T. 0.012 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

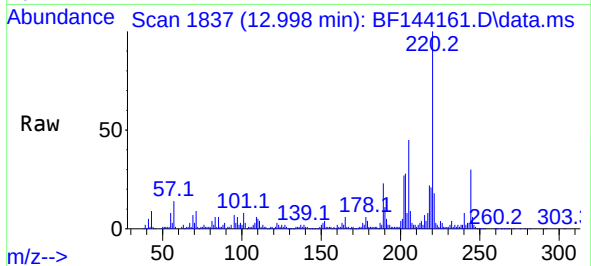
Tgt Ion:202 Resp: 1245827
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 19.8 13.5 20.3





#79
Terphenyl-d14
Concen: 5.540 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

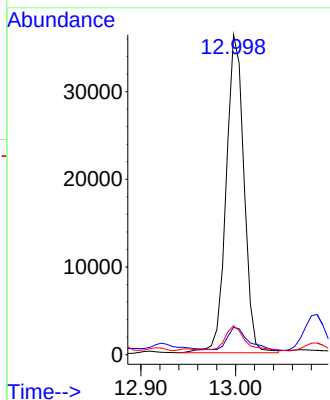
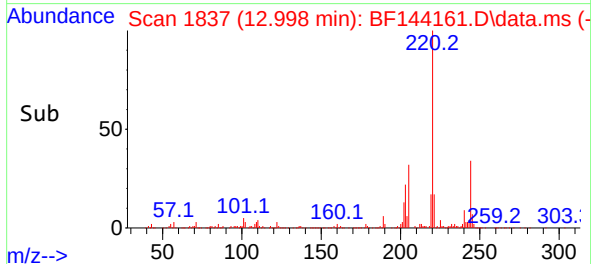
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:244 Resp: 47268
Ion Ratio Lower Upper
244 100
212 8.5 5.8 8.6
122 9.1 4.9 7.3

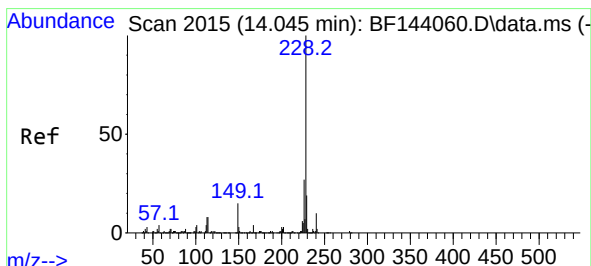
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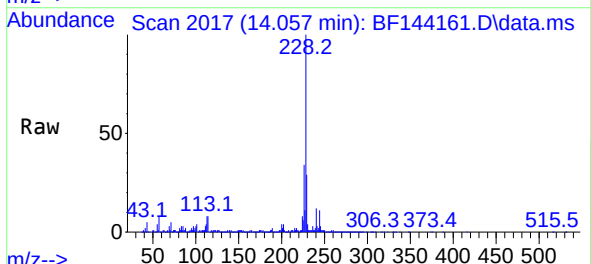


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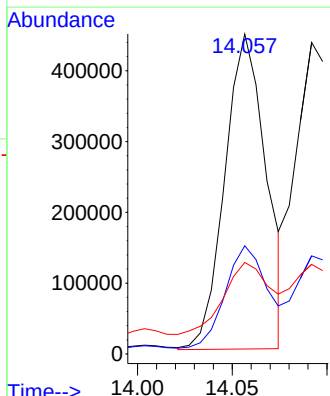
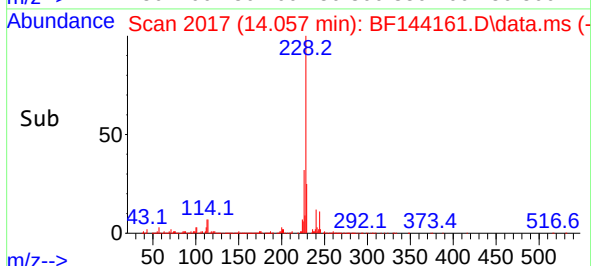
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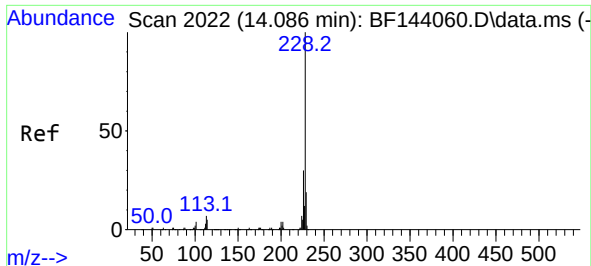


#81
Benzo(a)anthracene
Concen: 67.079 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



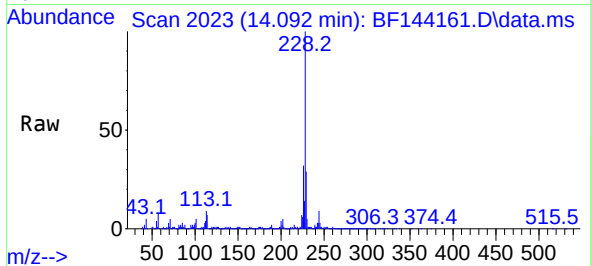
Tgt Ion:228 Resp: 676182
Ion Ratio Lower Upper
228 100
226 33.8 21.4 32.2#
229 28.6 15.3 22.9#





#83
Chrysene
Concen: 64.341 ng
RT: 14.092 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

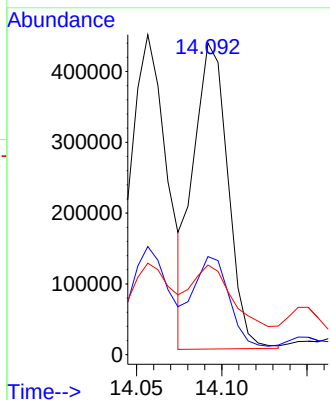
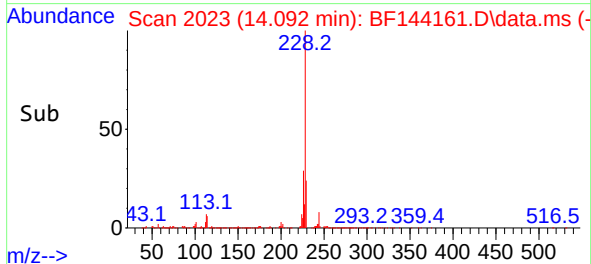
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:228 Resp: 608629
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.6
229 28.8 15.6 23.4

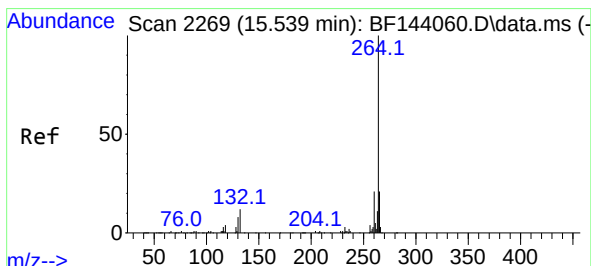
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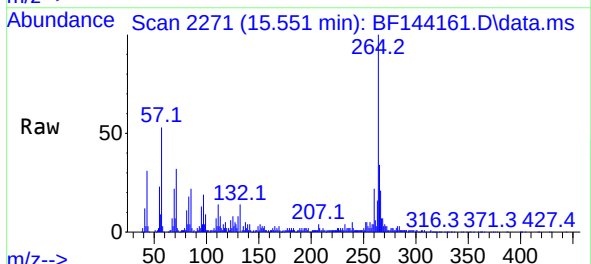


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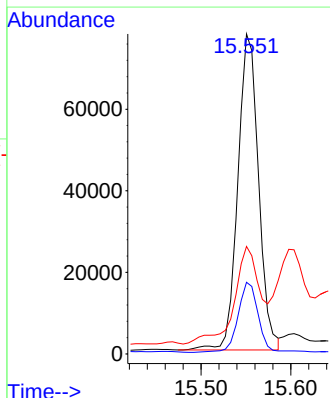
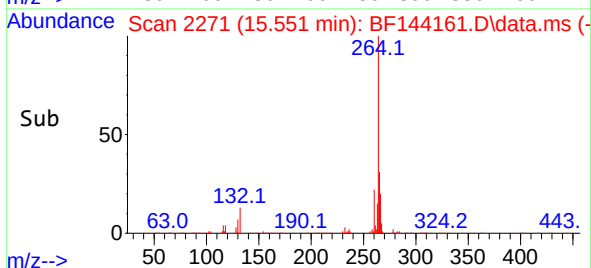
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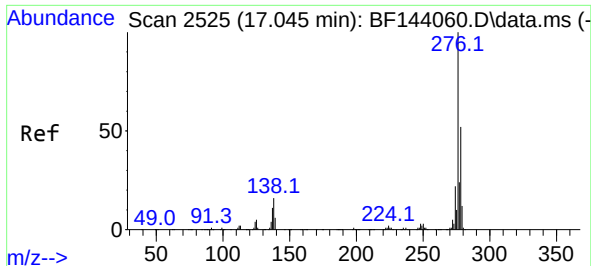


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



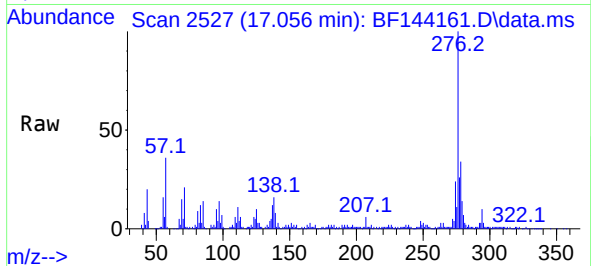
Tgt Ion:264 Resp: 124249
Ion Ratio Lower Upper
264 100
260 22.4 17.0 25.4
265 33.6 16.6 24.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 13.178 ng
RT: 17.056 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

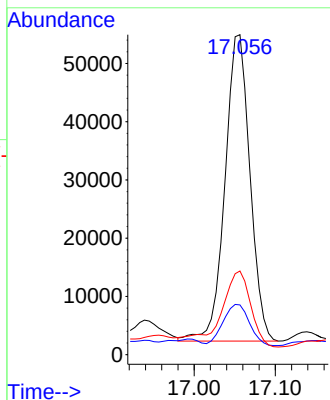
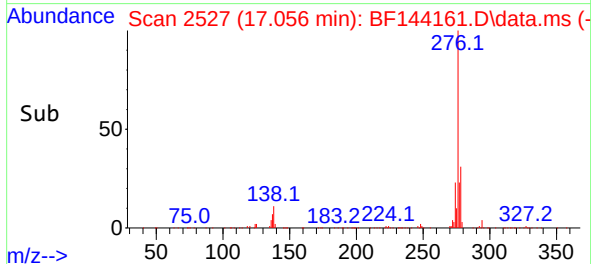
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:276 Resp: 11241
Ion Ratio Lower Upper
276 100
138 14.2 13.0 19.6
277 26.6 19.4 29.0

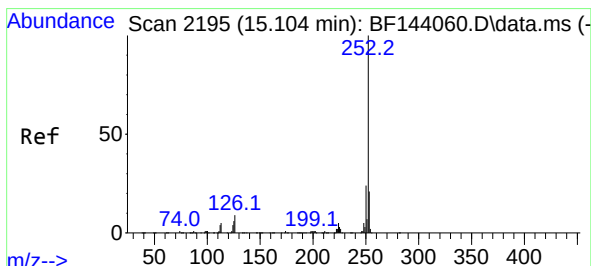
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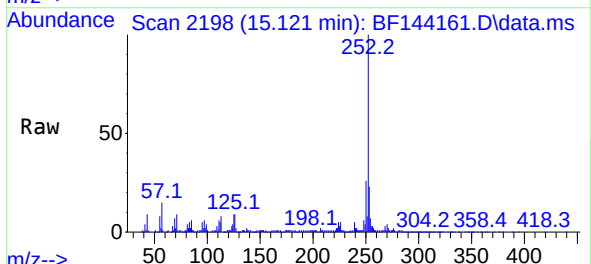


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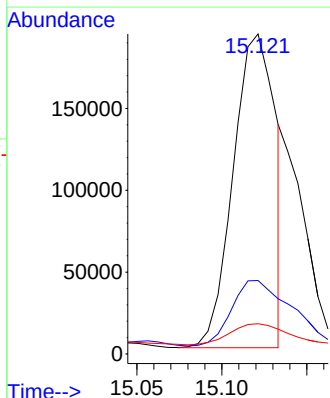
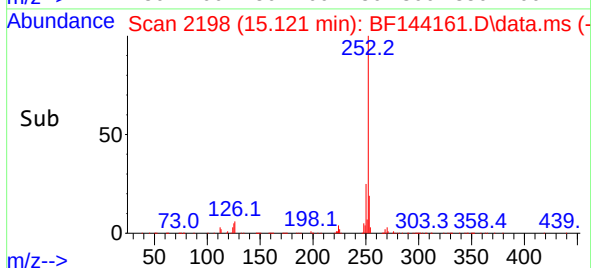
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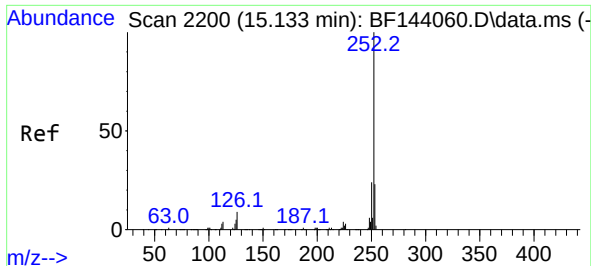


#88
Benzo(b)fluoranthene
Concen: 47.166 ng m
RT: 15.121 min Scan# 2198
Delta R.T. 0.018 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



Tgt Ion:252 Resp: 331300
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 9.4 5.0 7.6#





#89

Benzo(k)fluoranthene

Concen: 17.750 ng m

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF144161.D

Acq: 31 Oct 2025 01:39

Instrument :

BNF

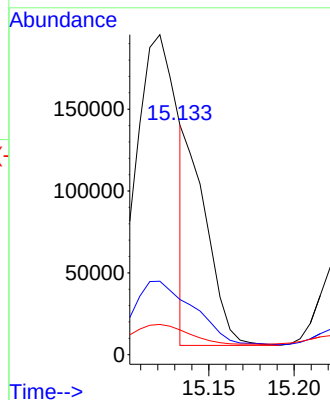
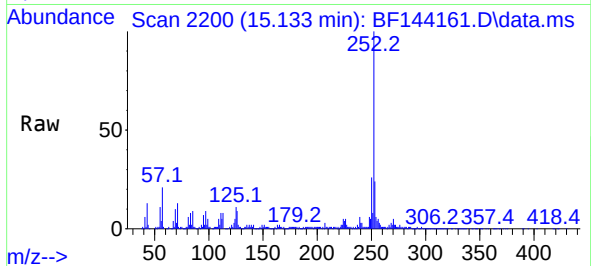
ClientSampleId :

TP4

Tgt Ion:252 Resp: 11503
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.4 26.2
 125 10.8 4.9 7.3

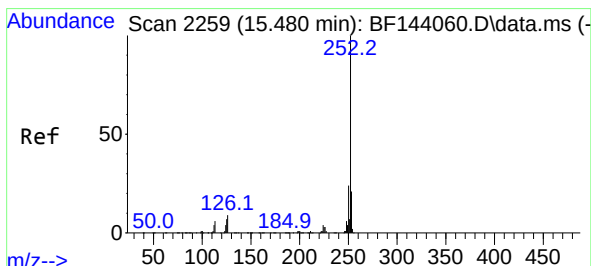
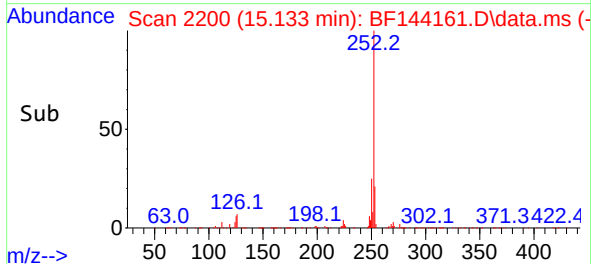
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#90

Benzo(a)pyrene

Concen: 59.732 ng

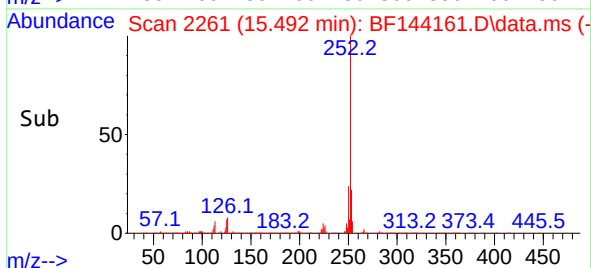
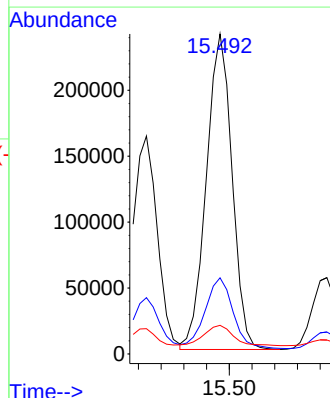
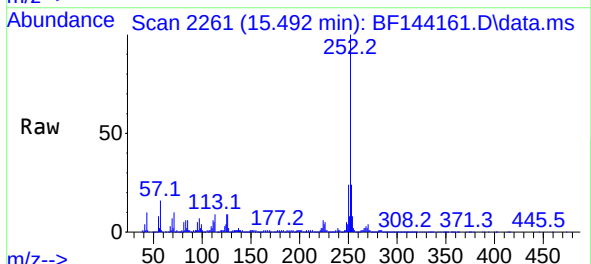
RT: 15.492 min Scan# 2261

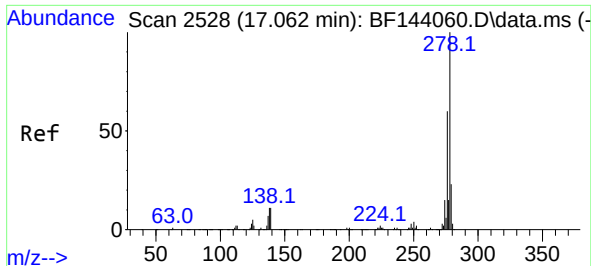
Delta R.T. 0.012 min

Lab File: BF144161.D

Acq: 31 Oct 2025 01:39

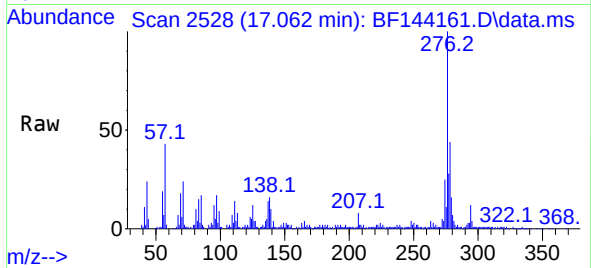
Tgt Ion:252 Resp: 376407
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.1 25.7
 125 9.0 5.4 8.2





#91
Dibenzo(a,h)anthracene
Concen: 6.464 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39

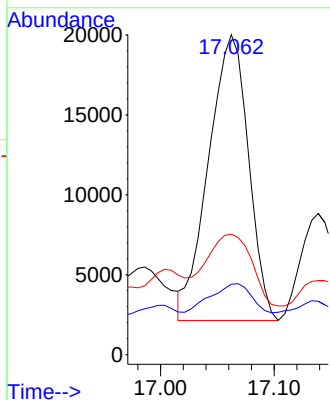
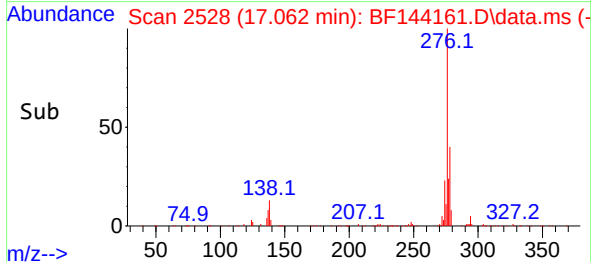
Instrument :
BNA_F
ClientSampleId :
TP4



Tgt Ion:278 Resp: 43640
Ion Ratio Lower Upper
278 100
139 22.0 8.5 12.7
279 37.7 18.6 28.0

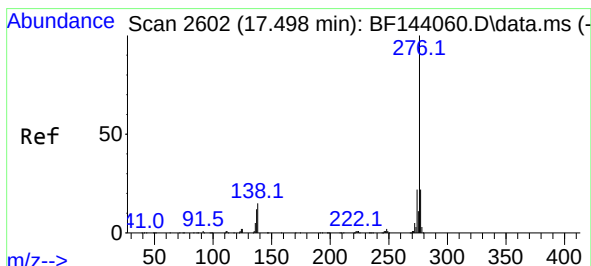
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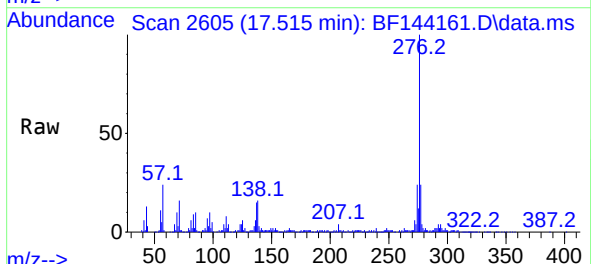


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#92
Benzo(g,h,i)perylene
Concen: 26.090 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.018 min
Lab File: BF144161.D
Acq: 31 Oct 2025 01:39



Tgt Ion:276 Resp: 177120
Ion Ratio Lower Upper
276 100
277 24.0 17.9 26.9
138 16.3 12.0 18.0

