

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141392.D
 Acq On : 04 Feb 2025 01:42
 Operator : RC/JU
 Sample : Q1216-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.2-012825

Quant Time: Feb 04 02:57:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	78116	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	291369	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	134383	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	196403	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	149766	20.000	ng	-0.02
86) Perylene-d12	15.404	264	108070	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	215009	42.255	ng	0.00
7) Phenol-d6	6.434	99	257476	39.777	ng	0.00
23) Nitrobenzene-d5	7.351	82	165397	29.925	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	49308	40.023	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	268332	30.734	ng	-0.01
79) Terphenyl-d14	12.904	244	224950	23.164	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	22104	5.747	ng	# 79
25) Isophorone	7.351	82	162797	17.039	ng	# 64
50) Dimethylphthalate	9.828	163	19008	2.094	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	18058	8.569	ng	# 24
56) 4-Nitrophenol	10.033	139	5675	3.757	ng	# 8
57) 2,4-Dinitrotoluene	9.828	165	18058	6.618	ng	# 23
71) Phenanthrene	11.339	178	268590	25.441	ng	100
72) Anthracene	11.392	178	74973	7.248	ng	99
73) Carbazole	11.551	167	25922	2.826	ng	98
75) Fluoranthene	12.533	202	392133	37.617	ng	97
78) Pyrene	12.757	202	350900	24.409	ng	98
81) Benzo(a)anthracene	13.945	228	161074	15.586	ng	97
83) Chrysene	13.980	228	134899	14.243	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	46854	6.717	ng	# 92
88) Benzo(b)fluoranthene	14.986	252	168898	24.846	ng	96
89) Benzo(k)fluoranthene	14.986	252	168898	28.046	ng	96
90) Benzo(a)pyrene	15.345	252	88222	15.358	ng	97
91) Dibenzo(a,h)anthracene	16.857	278	12087	2.154	ng	# 89
92) Benzo(g,h,i)perylene	17.274	276	44549	7.635	ng	95

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

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QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

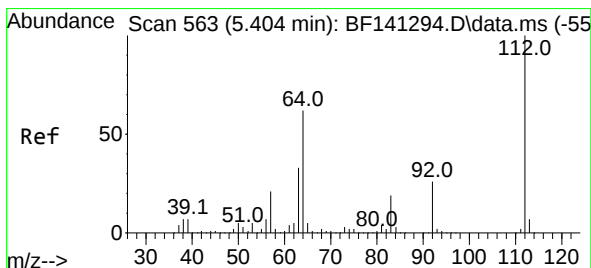
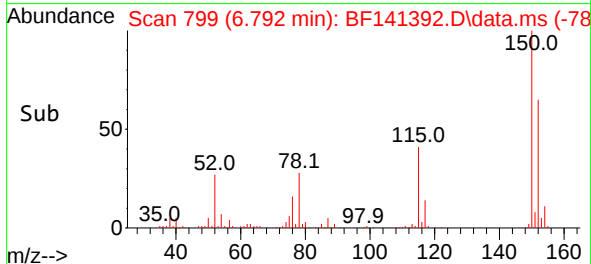
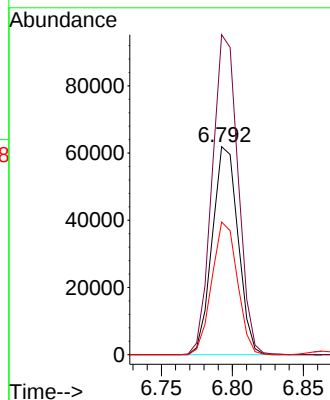
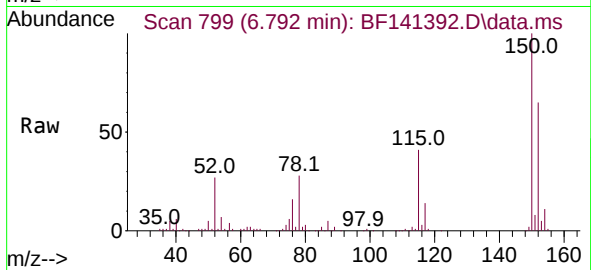




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

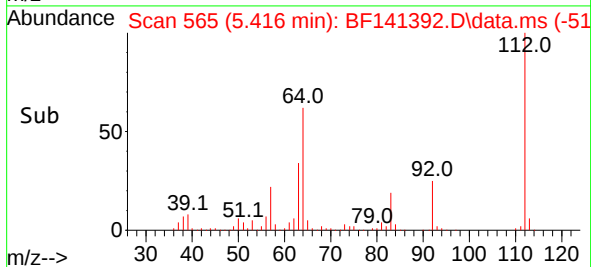
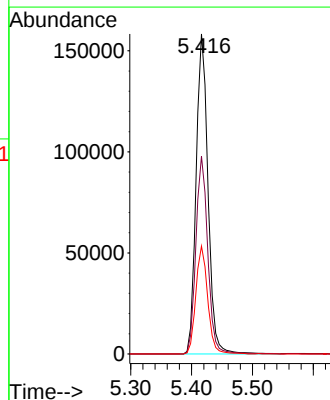
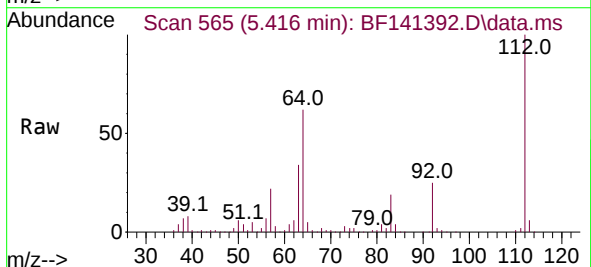
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

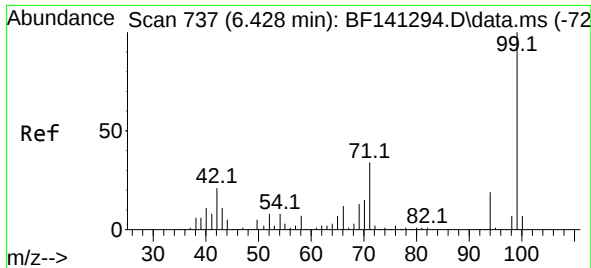
Tgt Ion:152 Resp: 78116
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 63.8 49.7 74.5



#5
2-Fluorophenol
Concen: 42.255 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:112 Resp: 215009
Ion Ratio Lower Upper
112 100
64 61.8 49.8 74.8
63 33.7 26.1 39.1

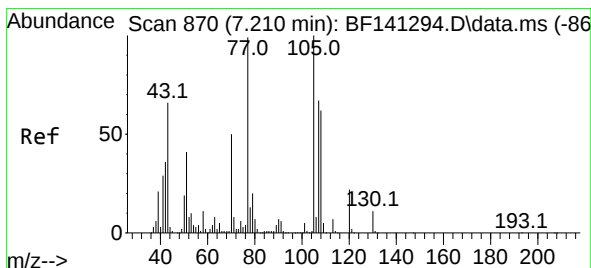
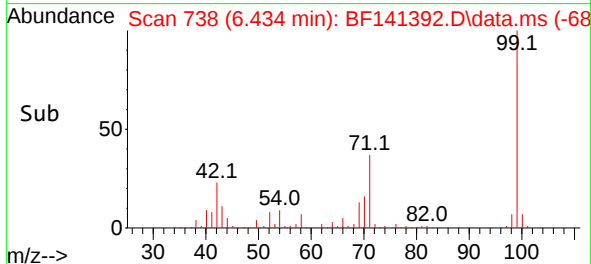
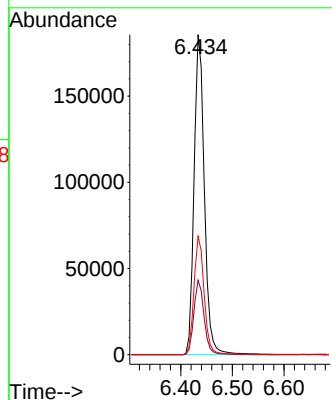
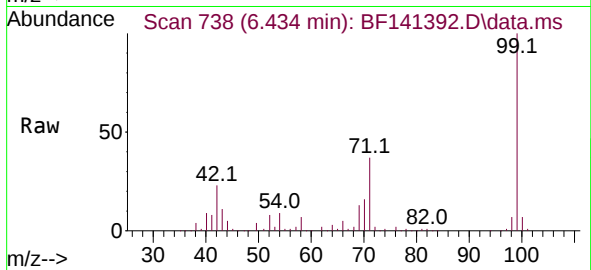




#7
Phenol-d6
Concen: 39.777 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

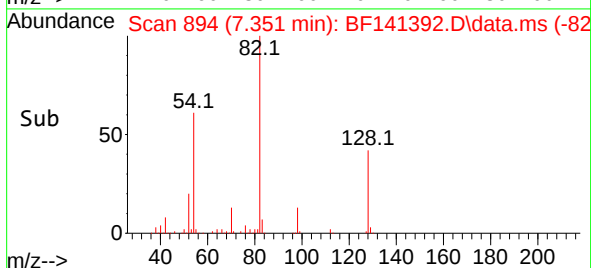
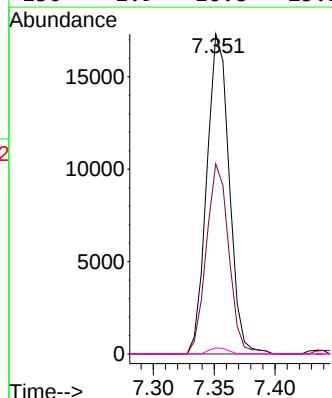
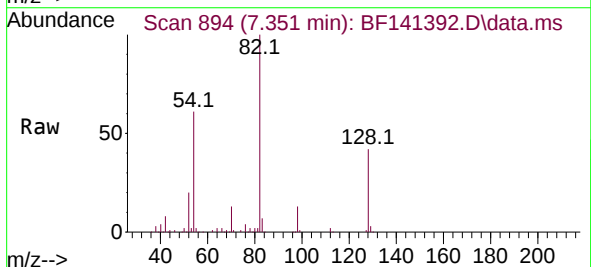
Instrument :
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ClientSampleId :
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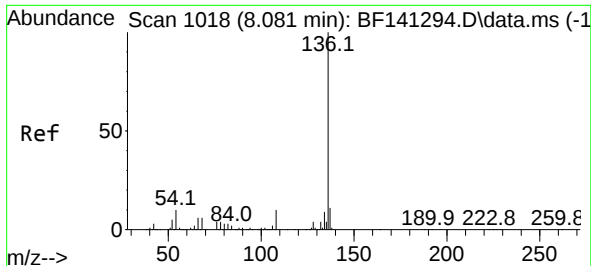
Tgt Ion: 99 Resp: 257476
Ion Ratio Lower Upper
99 100
42 23.3 17.1 25.7
71 37.0 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.747 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion: 70 Resp: 22104
Ion Ratio Lower Upper
70 100
42 59.4 56.8 85.2
101 0.0 7.7 11.5#
130 1.9 16.8 25.2#



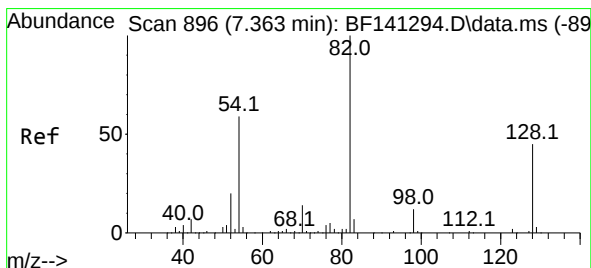
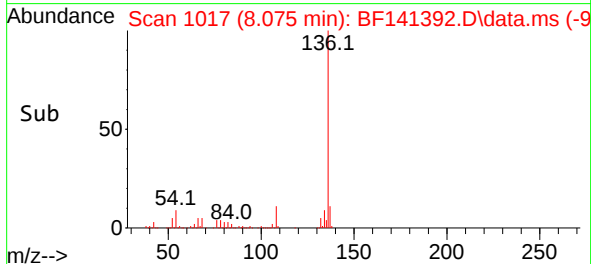
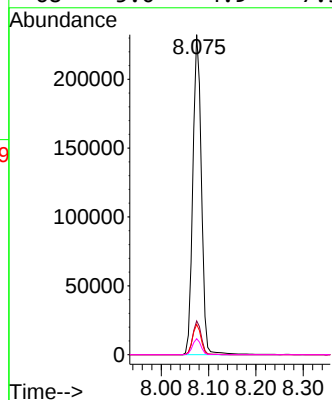
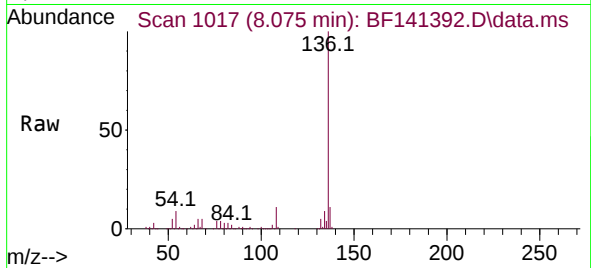


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

Tgt Ion:136 Resp: 291369

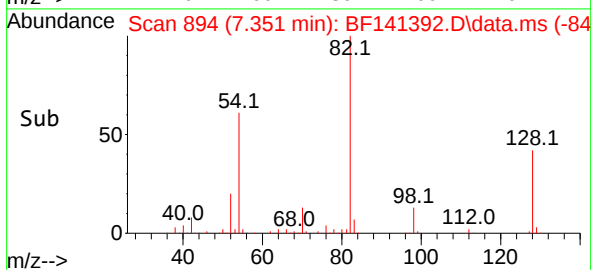
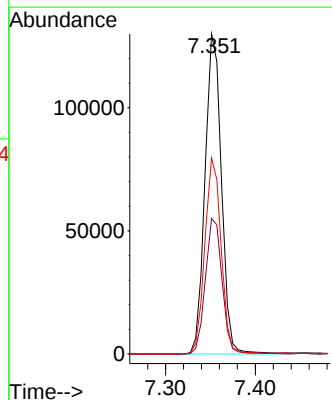
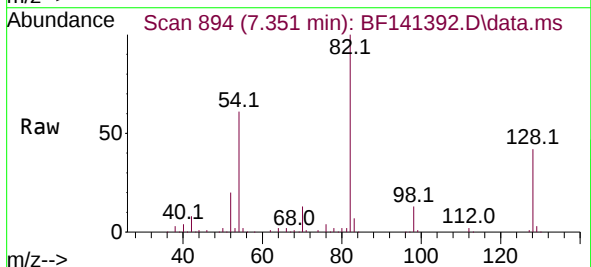
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.5	7.8	11.8
68	5.0	4.9	7.3

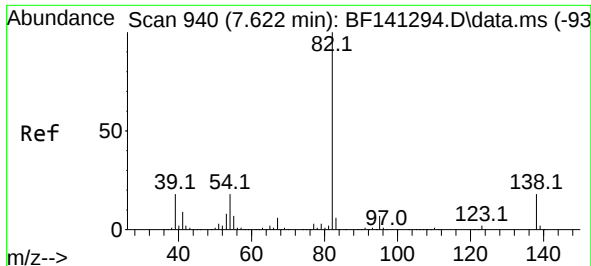


#23
Nitrobenzene-d5
Concen: 29.925 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion: 82 Resp: 165397

Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.7	53.5
54	61.3	47.1	70.7

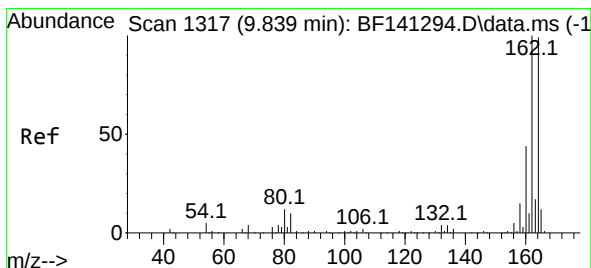
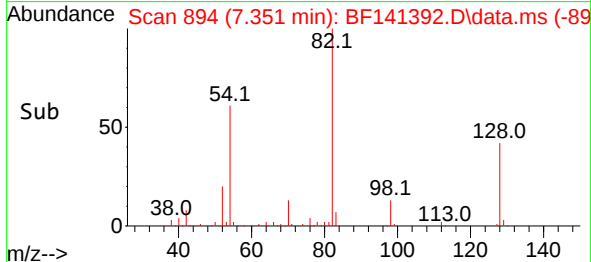
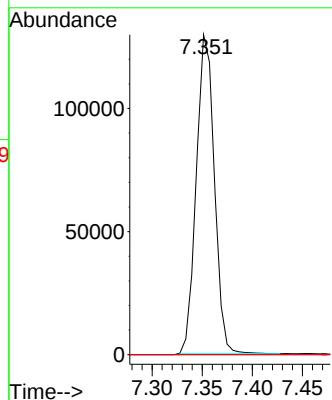
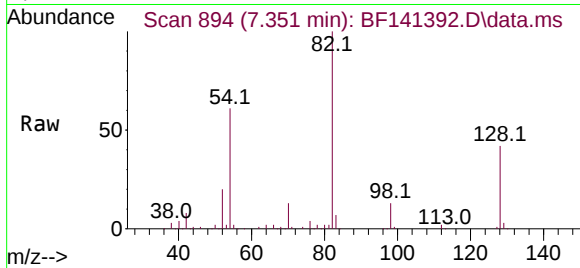




#25
Isophorone
Concen: 17.039 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.277 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

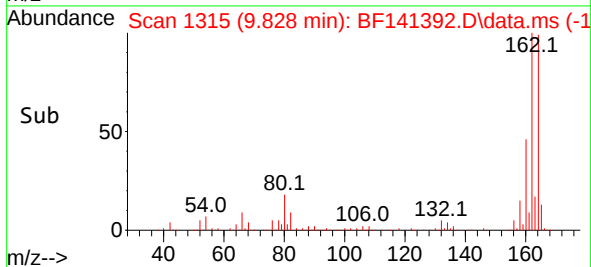
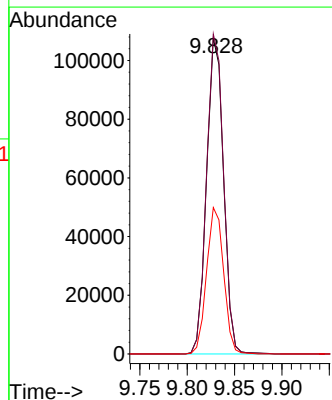
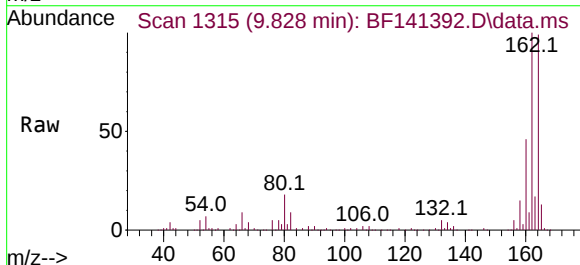
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JPP-21.2-012825

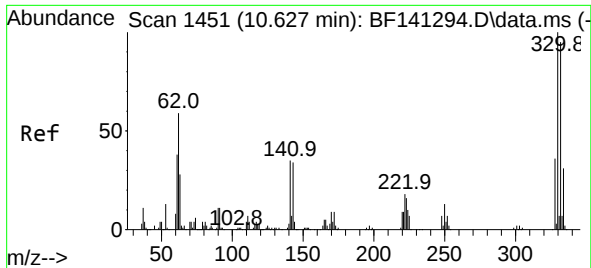
Tgt Ion: 82 Resp: 162797
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:164 Resp: 134383
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 46.4 35.8 53.6

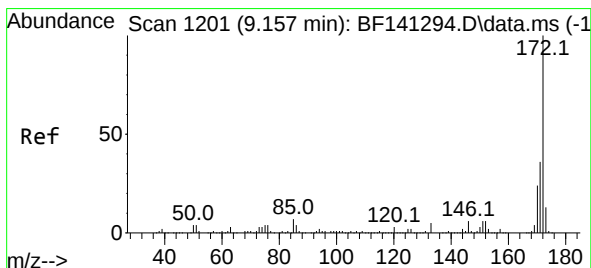
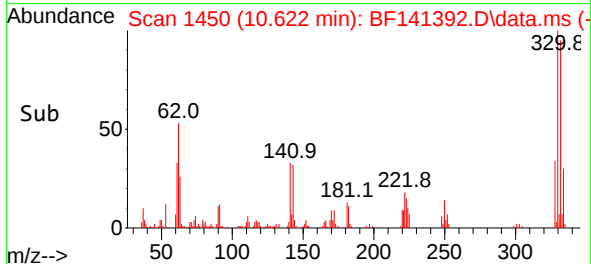
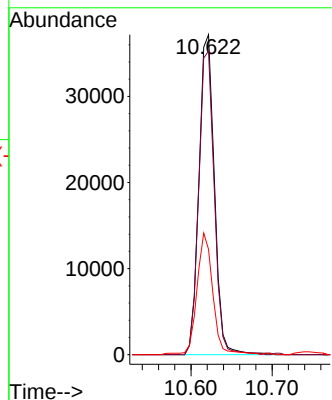
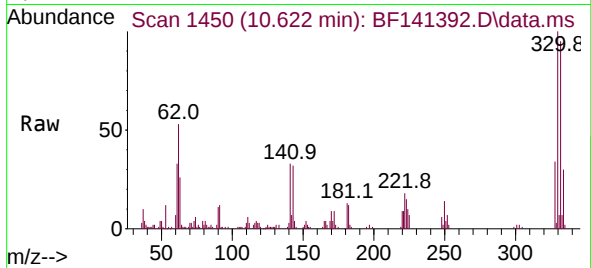




#42
2,4,6-Tribromophenol
Concen: 40.023 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

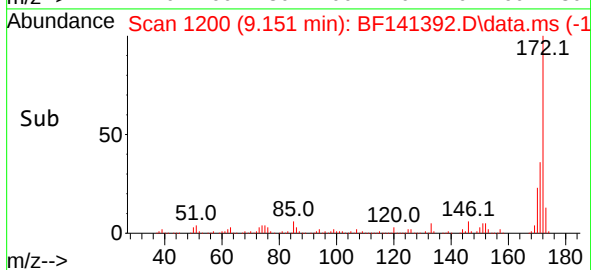
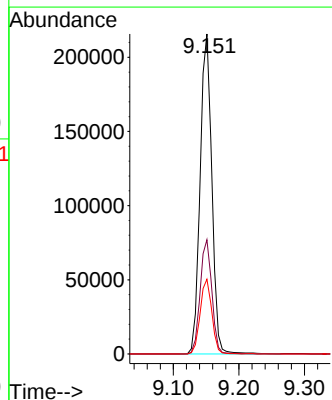
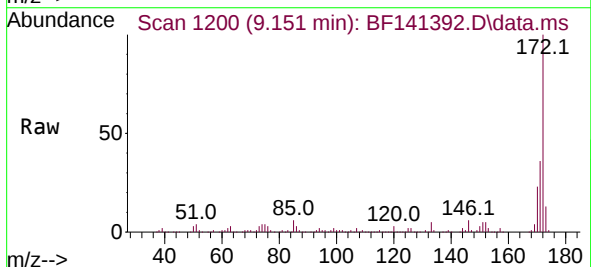
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JPP-21.2-012825

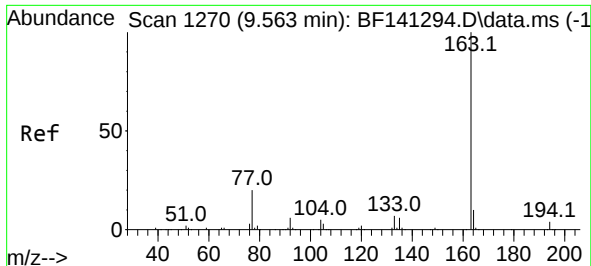
Tgt Ion: 330 Resp: 49308
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 39.1 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 30.734 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion: 172 Resp: 268332
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.4 19.0 28.6

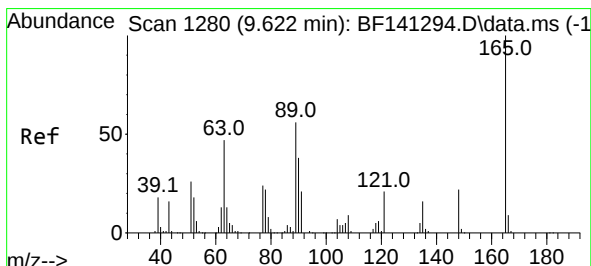
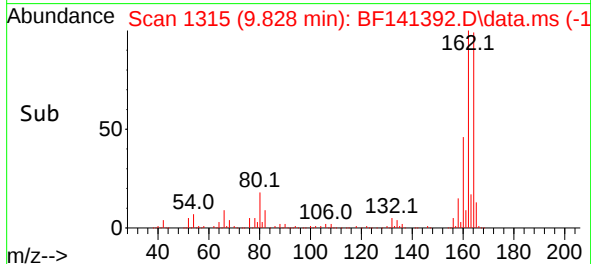
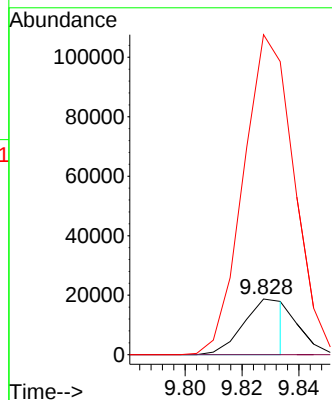
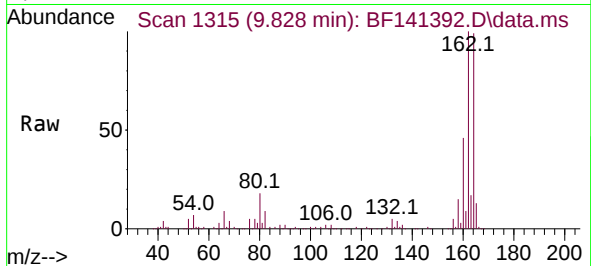




#50
Dimethylphthalate
Concen: 2.094 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

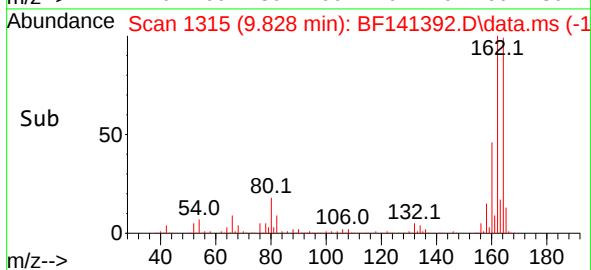
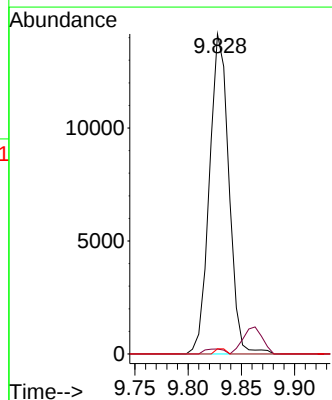
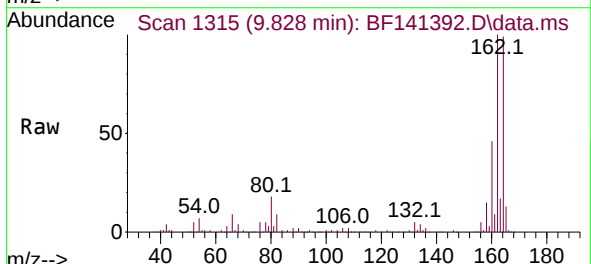
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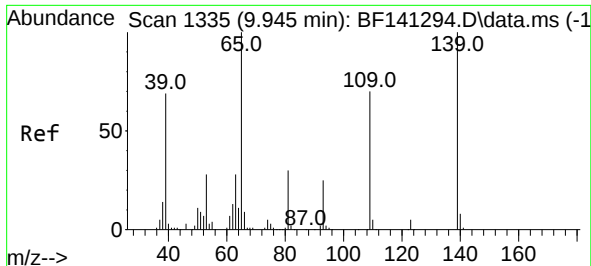
Tgt Ion:163 Resp: 19008
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 574.8 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.569 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:165 Resp: 18058
Ion Ratio Lower Upper
165 100
63 1.6 48.1 72.1#
89 1.6 44.9 67.3#

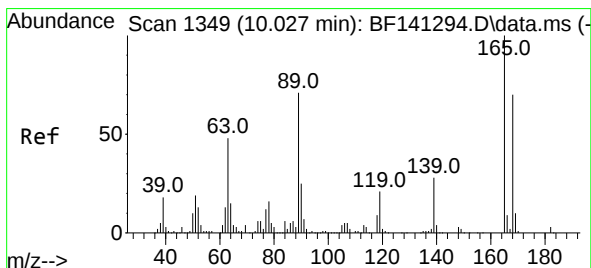
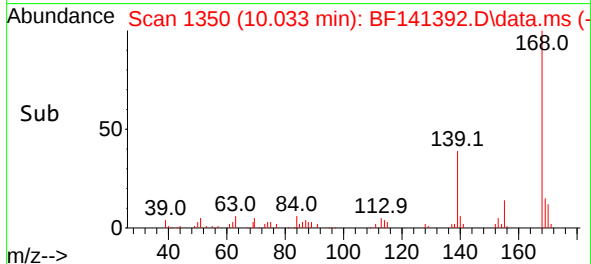
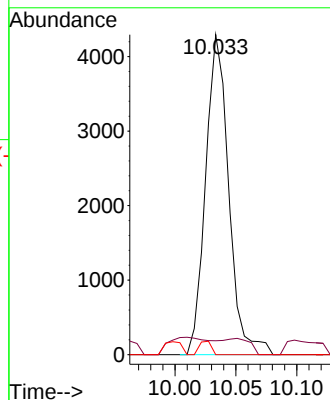
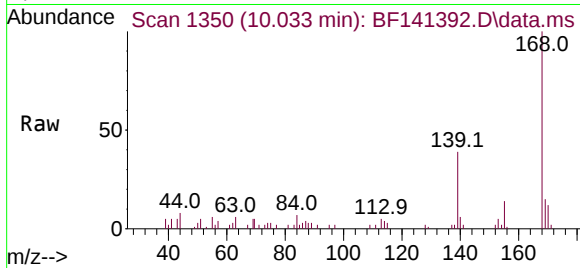




#56
4-Nitrophenol
Concen: 3.757 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

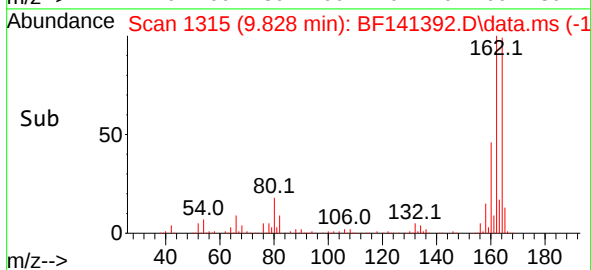
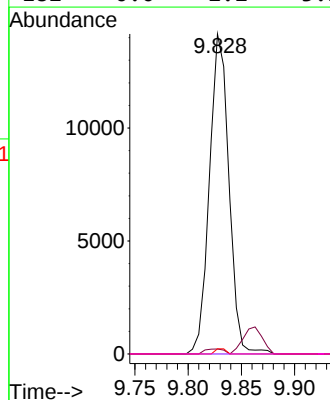
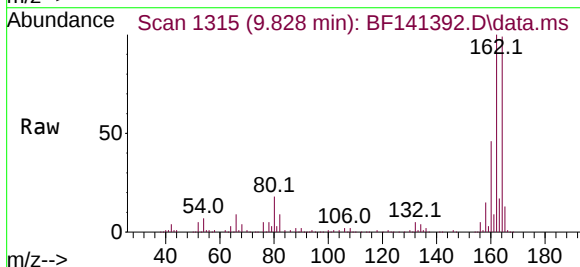
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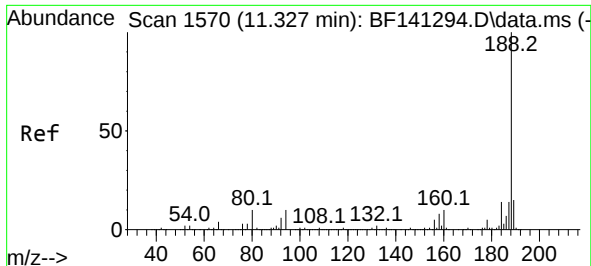
Tgt Ion:139 Resp: 5675
Ion Ratio Lower Upper
139 100
109 4.3 50.2 90.2#
65 0.0 80.6 120.6#



#57
2,4-Dinitrotoluene
Concen: 6.618 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:165 Resp: 18058
Ion Ratio Lower Upper
165 100
63 1.6 39.2 58.8#
89 1.6 56.9 85.3#
182 0.0 2.2 3.2#

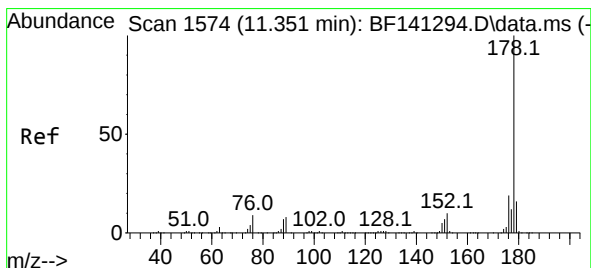
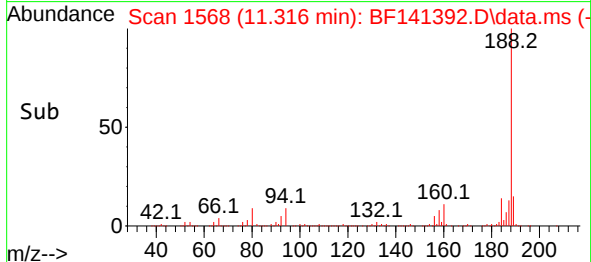
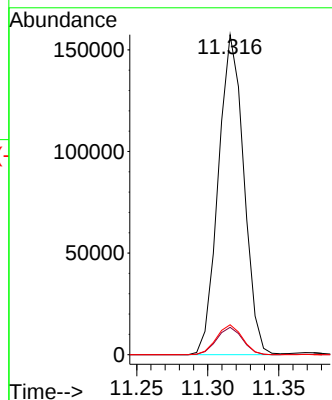
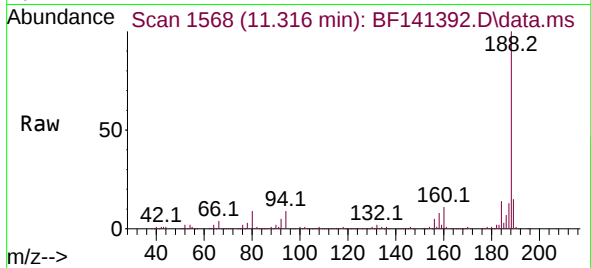




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

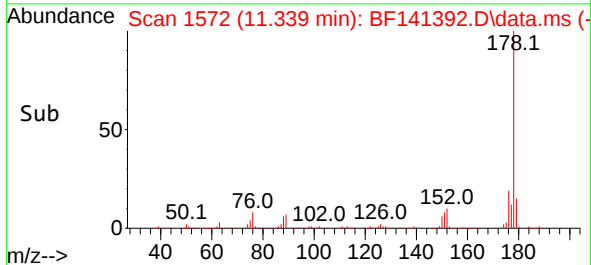
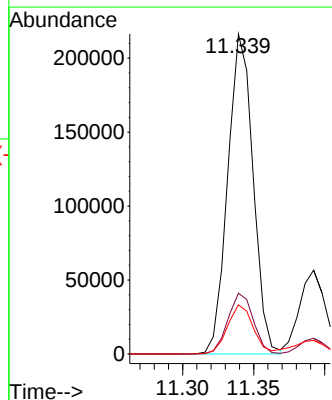
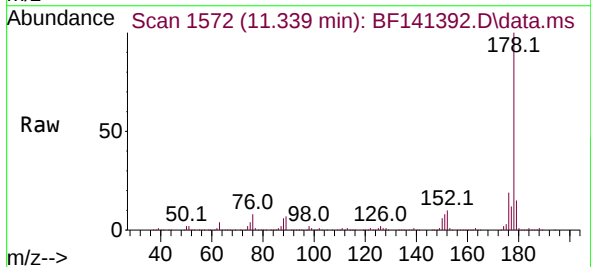
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

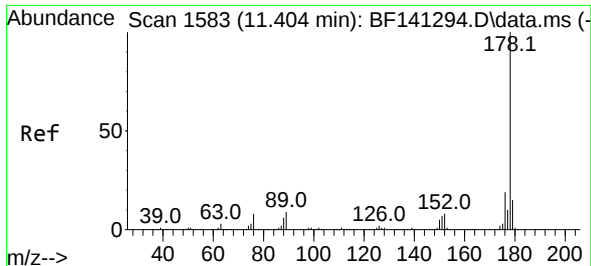
Tgt Ion:188 Resp: 196403
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.3 8.2 12.4



#71
Phenanthrene
Concen: 25.441 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:178 Resp: 268590
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.5 18.7

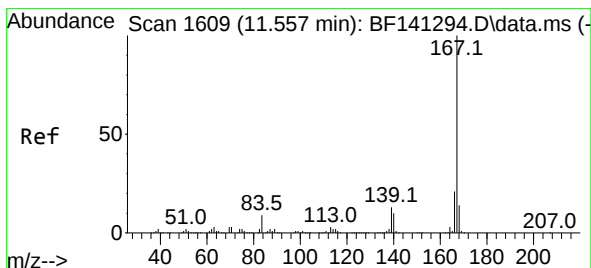
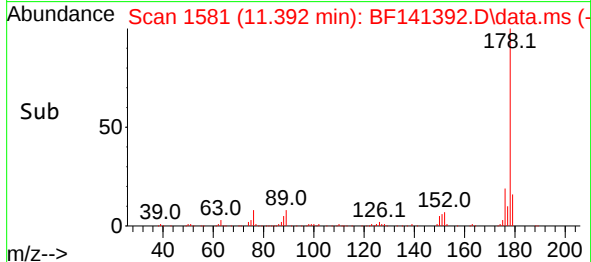
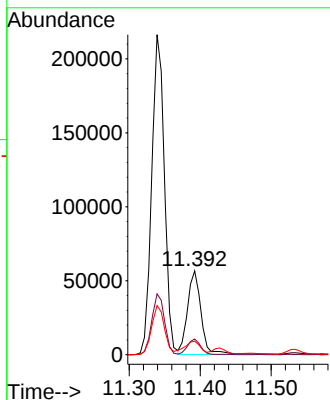
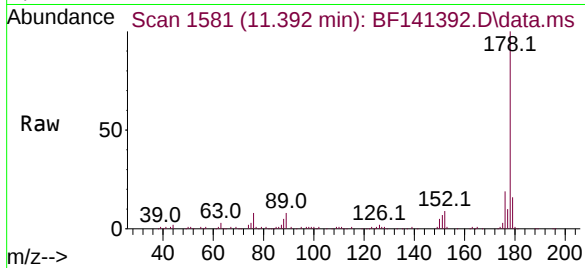




#72
Anthracene
Concen: 7.248 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

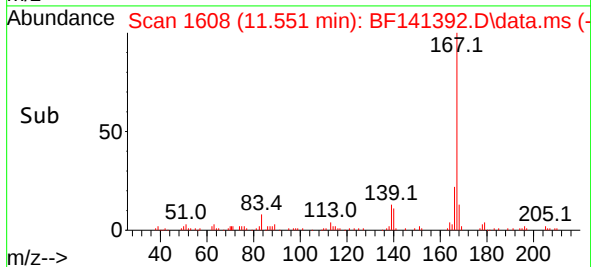
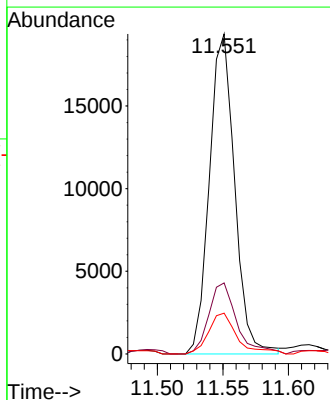
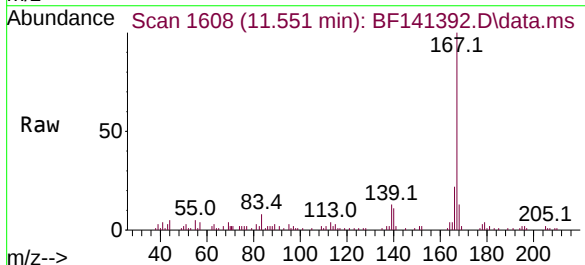
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

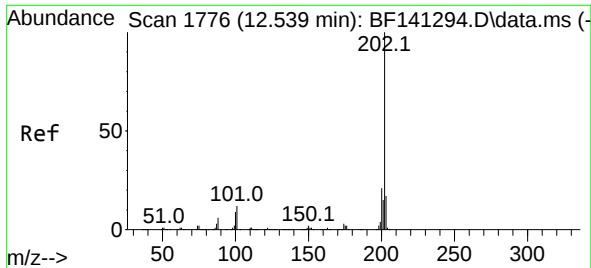
Tgt Ion:178 Resp: 74973
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 16.2 12.3 18.5



#73
Carbazole
Concen: 2.826 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:167 Resp: 25922
Ion Ratio Lower Upper
167 100
166 22.2 17.0 25.6
139 12.7 10.6 16.0

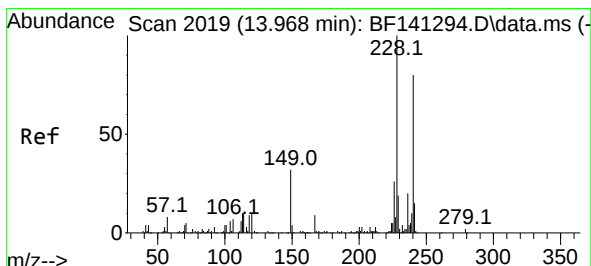
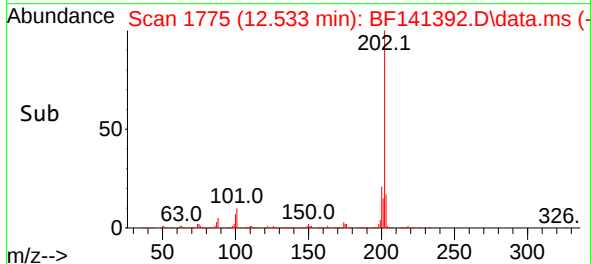
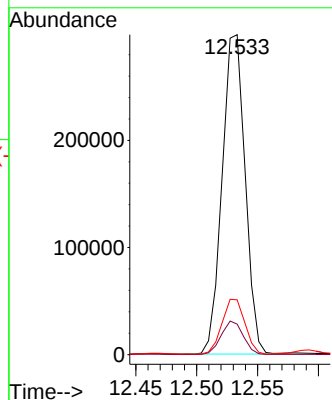
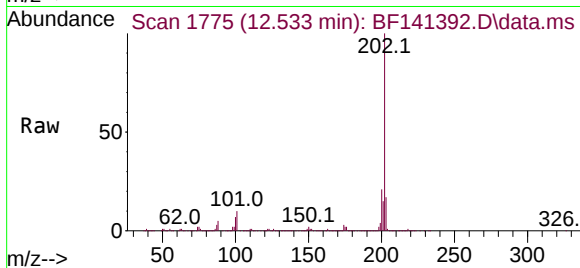




#75
Fluoranthene
Concen: 37.617 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

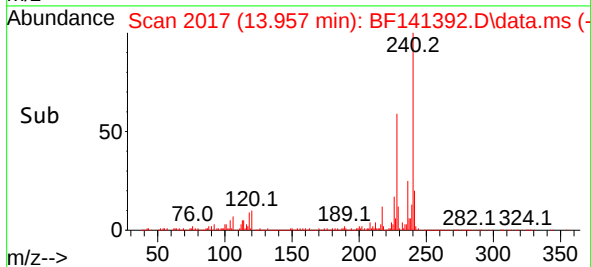
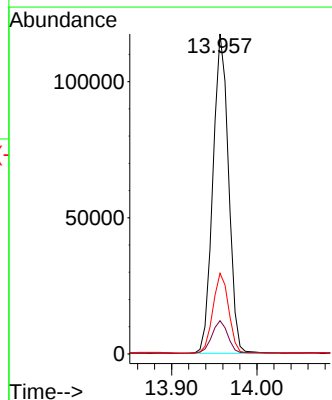
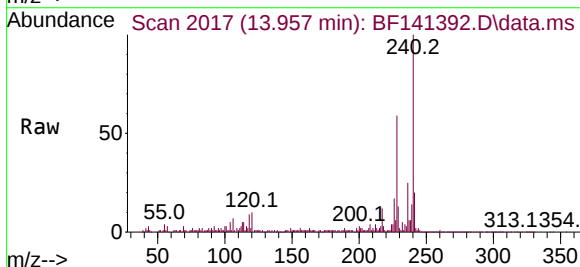
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

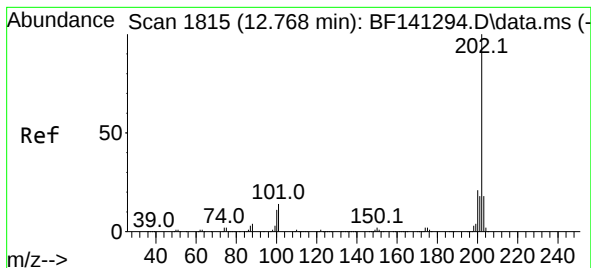
Tgt Ion:202 Resp: 392133
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.7
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:240 Resp: 149766
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.2 19.7 29.5





#78

Pyrene

Concen: 24.409 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

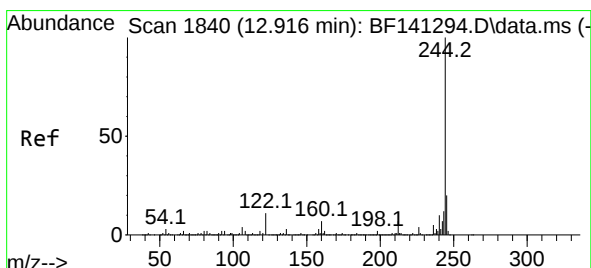
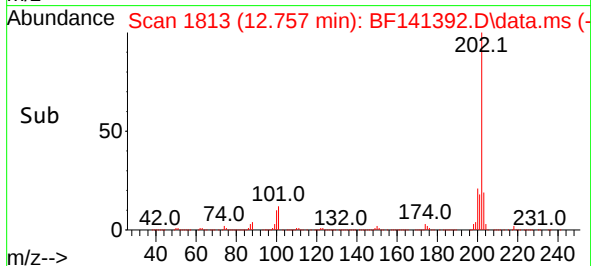
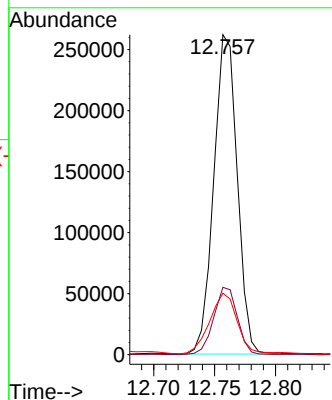
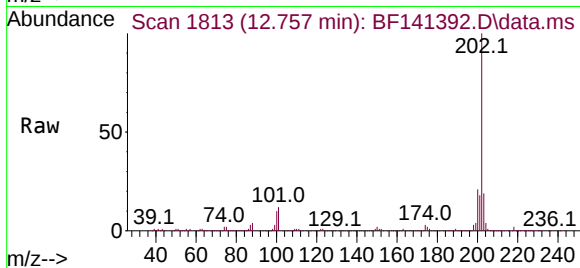
Tgt Ion:202 Resp: 350900

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 19.2 14.3 21.5



#79

Terphenyl-d14

Concen: 23.164 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

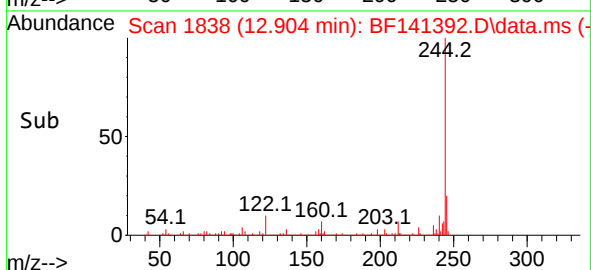
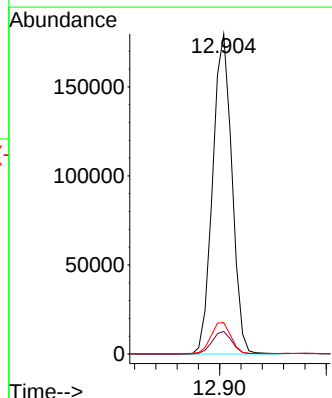
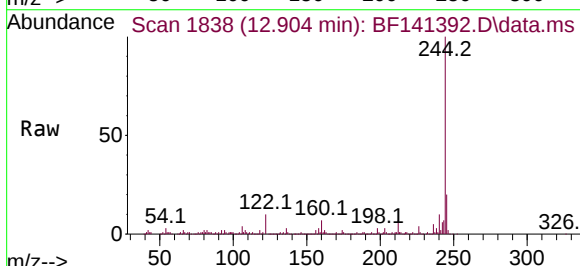
Tgt Ion:244 Resp: 224950

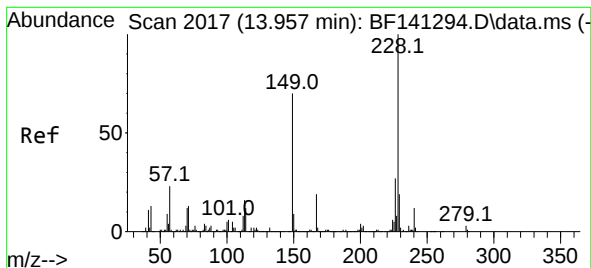
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 9.8 8.8 13.2





#81

Benzo(a)anthracene

Concen: 15.586 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

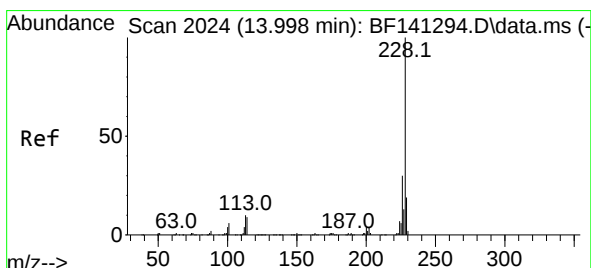
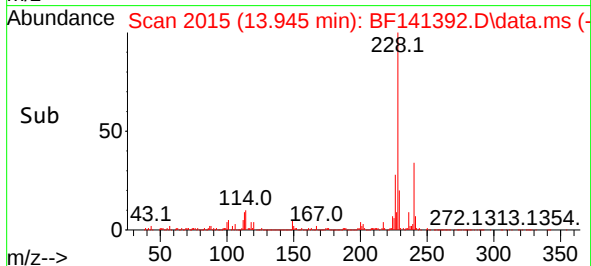
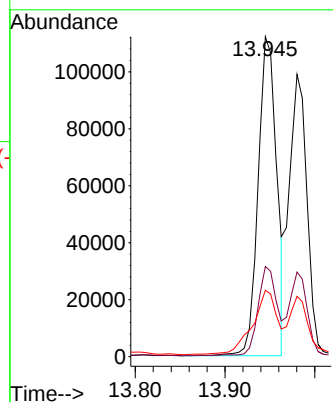
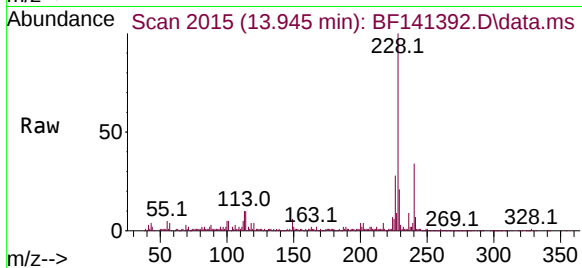
Tgt Ion:228 Resp: 161074

Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.2

229 20.8 15.5 23.3



#83

Chrysene

Concen: 14.243 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.018 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

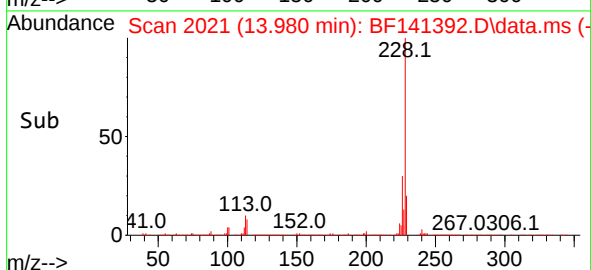
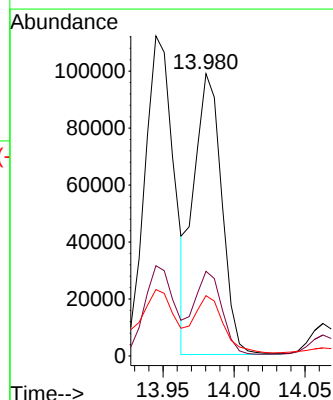
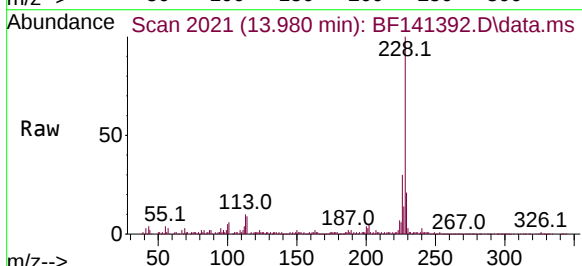
Tgt Ion:228 Resp: 134899

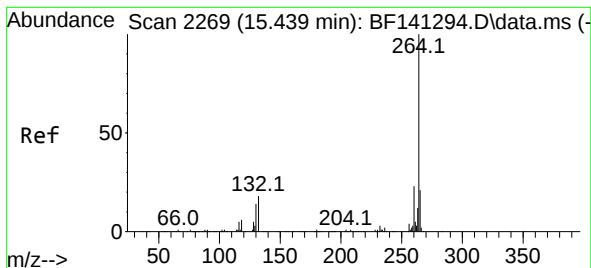
Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 21.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

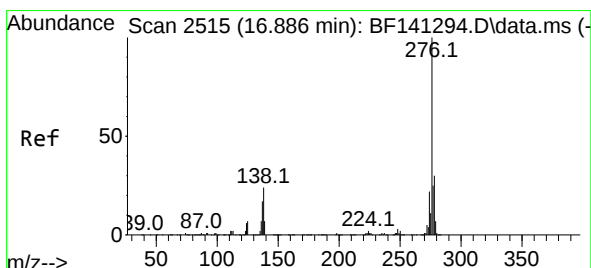
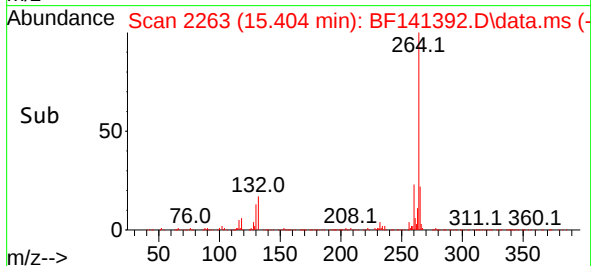
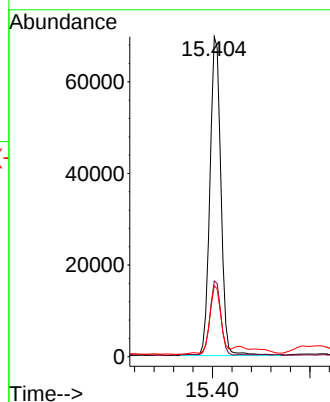
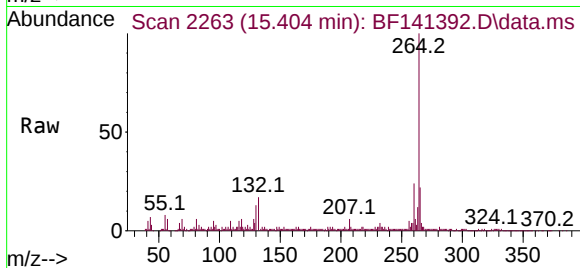
Tgt Ion:264 Resp: 108070

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 22.1 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.717 ng

RT: 16.839 min Scan# 2507

Delta R.T. -0.059 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

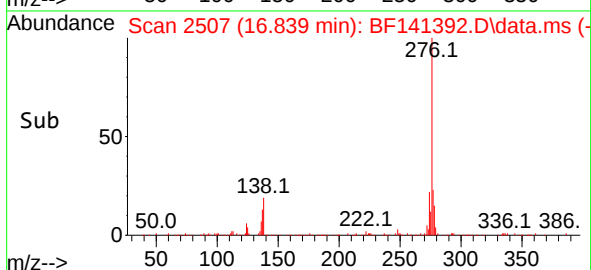
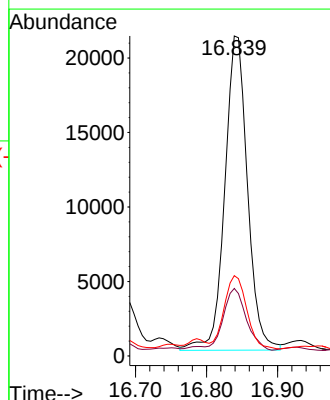
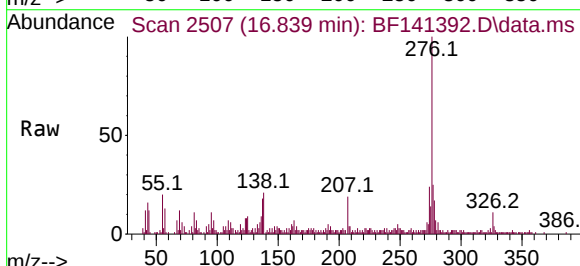
Tgt Ion:276 Resp: 46854

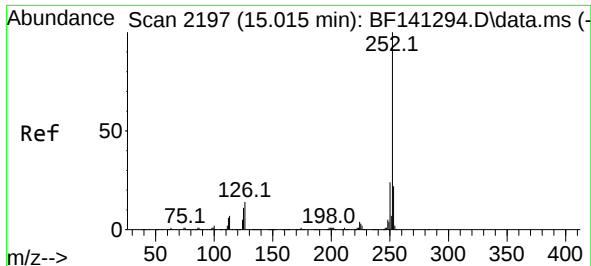
Ion Ratio Lower Upper

276 100

138 20.9 21.7 32.5#

277 23.0 20.3 30.5

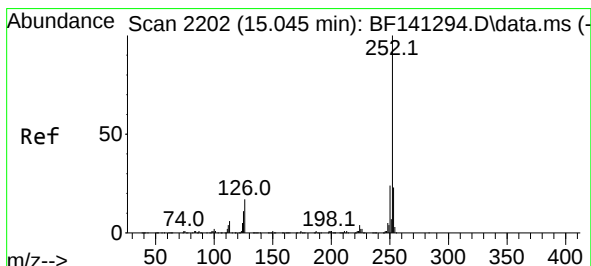
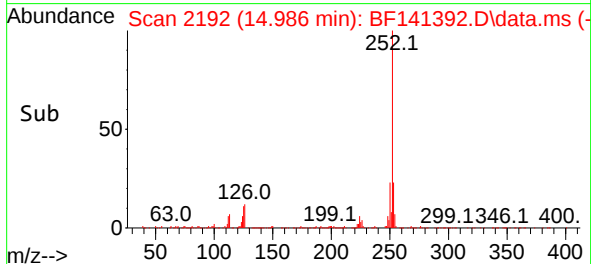
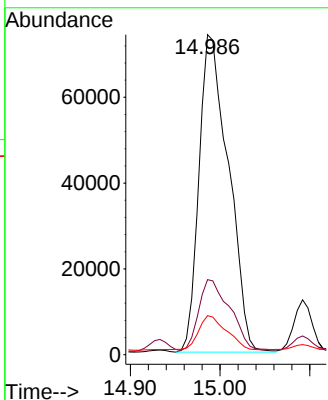
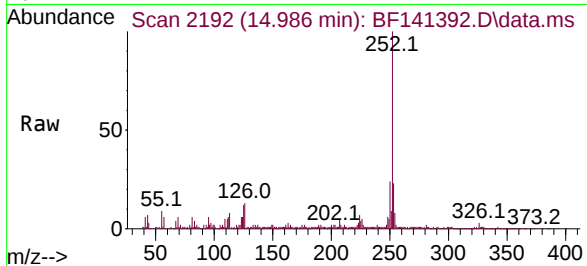




#88
Benzo(b)fluoranthene
Concen: 24.846 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

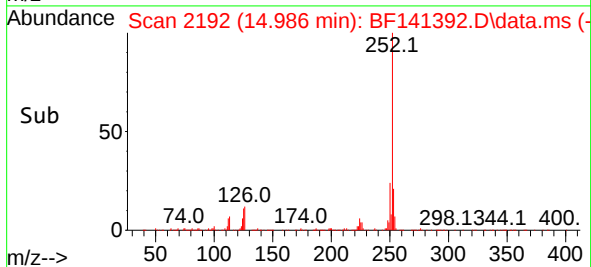
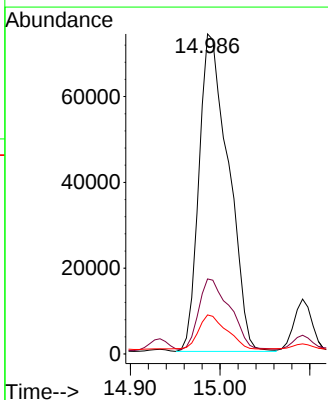
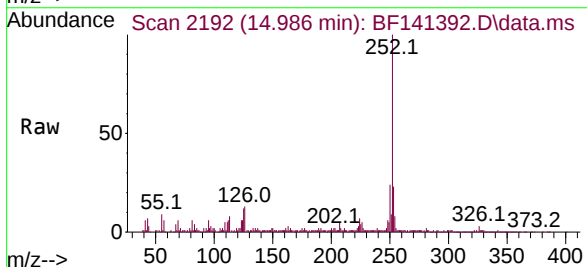
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

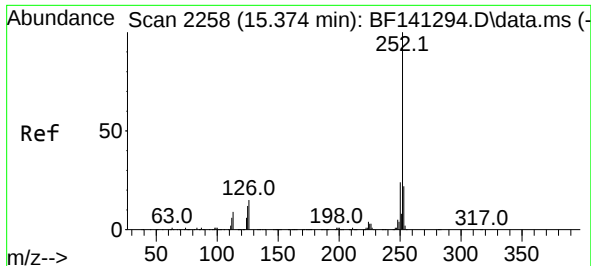
Tgt Ion:252 Resp: 168898
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 12.2 8.6 12.8



#89
Benzo(k)fluoranthene
Concen: 28.046 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.065 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:252 Resp: 168898
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 12.2 8.4 12.6

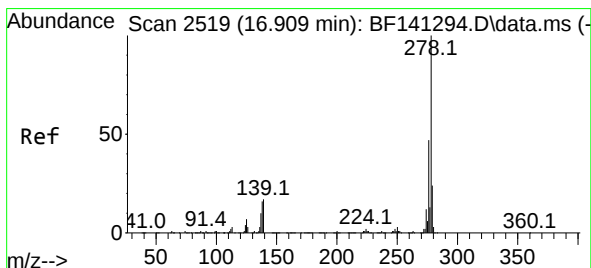
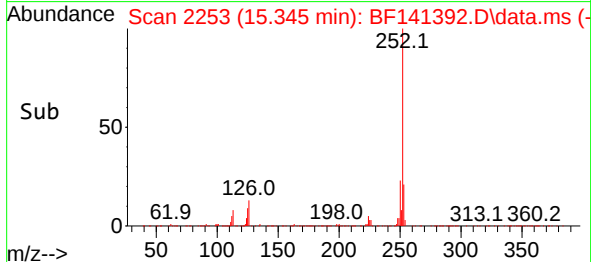
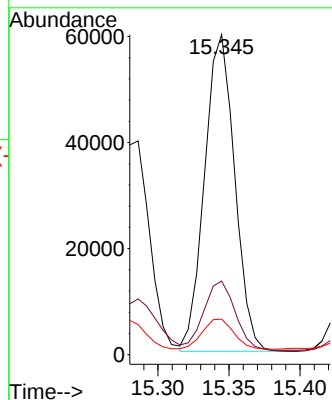
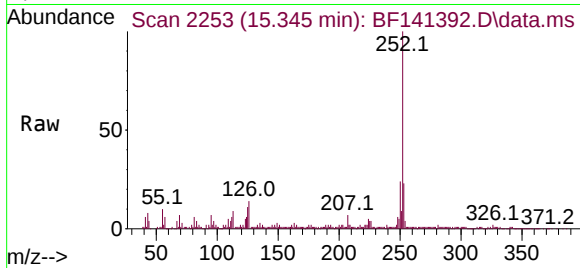




#90
Benzo(a)pyrene
Concen: 15.358 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

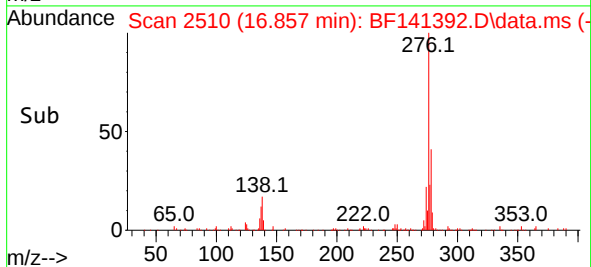
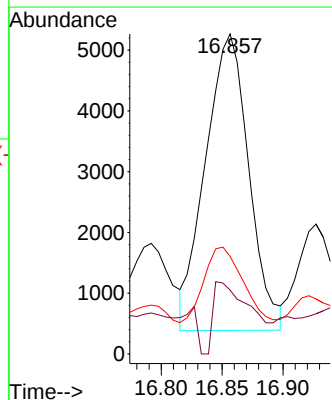
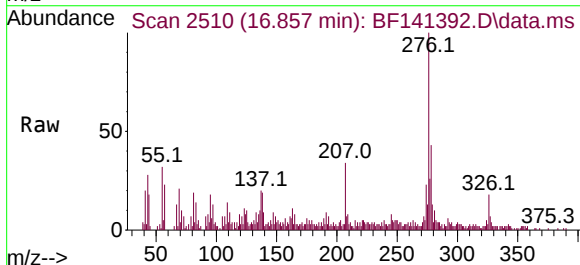
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

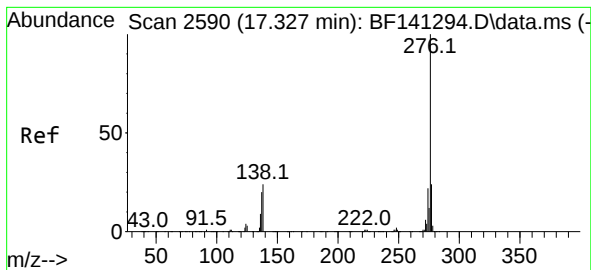
Tgt Ion:252 Resp: 88222
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.1 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 2.154 ng
RT: 16.857 min Scan# 2510
Delta R.T. -0.065 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:278 Resp: 12087
Ion Ratio Lower Upper
278 100
139 20.0 13.9 20.9
279 30.4 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 7.635 ng

RT: 17.274 min Scan# 21

Delta R.T. -0.071 min

Lab File: BF141392.D

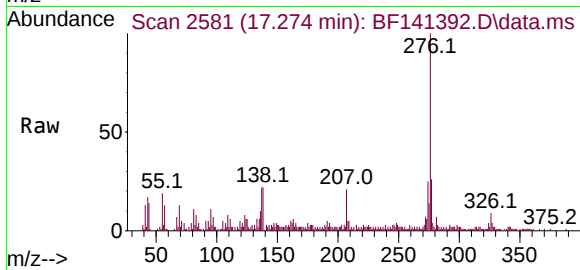
Acq: 04 Feb 2025 01:42

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825



Tgt Ion:276 Resp: 44549

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 21.6 19.0 28.4

