

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
 Data File : BF132307.D
 Acq On : 02 Feb 2023 23:24
 Operator : CG\JU
 Sample : 01371-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-BERKSHIRE-NW

Quant Time: Feb 03 00:27:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

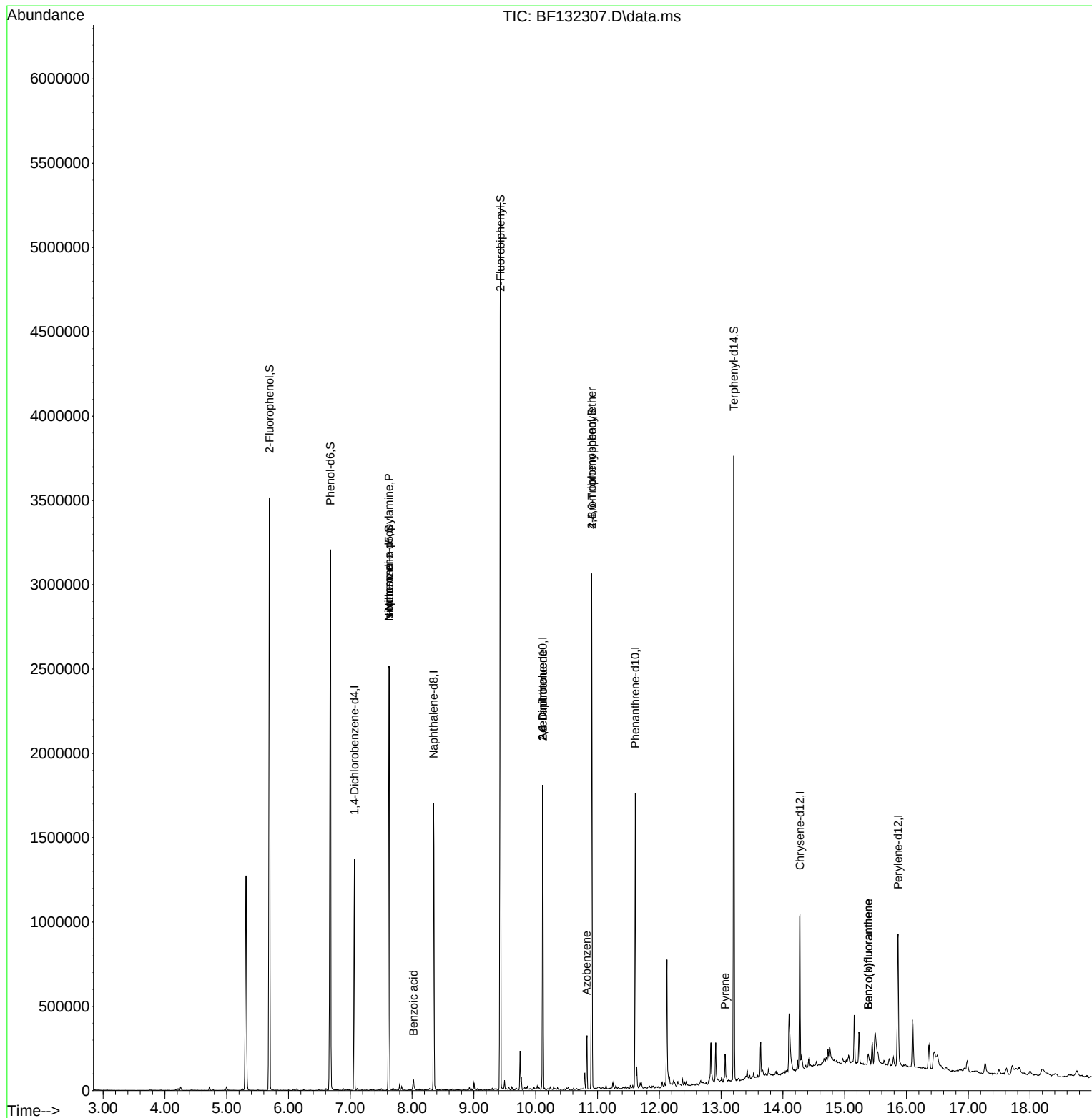
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	199411	20.000	ng	0.00
21) Naphthalene-d8	8.348	136	746722	20.000	ng	-0.01
39) Acenaphthene-d10	10.113	164	368232	20.000	ng	-0.01
64) Phenanthrene-d10	11.613	188	591675	20.000	ng	-0.01
76) Chrysene-d12	14.277	240	313412	20.000	ng	-0.01
86) Perylene-d12	15.865	264	379726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.695	112	1271788	102.515	ng	0.01
7) Phenol-d6	6.678	99	1547512	101.180	ng	0.00
23) Nitrobenzene-d5	7.625	82	945534	70.463	ng	-0.01
42) 2,4,6-Tribromophenol	10.907	330	373718	98.691	ng	-0.01
45) 2-Fluorobiphenyl	9.430	172	1636443	68.627	ng	0.00
79) Terphenyl-d14	13.207	244	1239821	76.523	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.613	77	718	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.625	70	116477	13.407	ng	# 77
25) Isophorone	7.625	82	945511	37.124	ng	# 64
32) Benzoic acid	8.025	122	19514	2.256	ng	# 86
51) 2,6-Dinitrotoluene	10.113	165	48780	8.479	ng	# 25
57) 2,4-Dinitrotoluene	10.113	165	48780	6.528	ng	# 23
63) Azobenzene	10.824	77	52103	2.087	ng	# 1
67) 4-Bromophenyl-phenylether	10.907	248	22376	3.693	ng	# 1
78) Pyrene	13.065	202	56492	2.241	ng	# 98
88) Benzo(b)fluoranthene	15.383	252	53162	2.203	ng	# 93
89) Benzo(k)fluoranthene	15.383	252	53162	2.307	ng	# 93

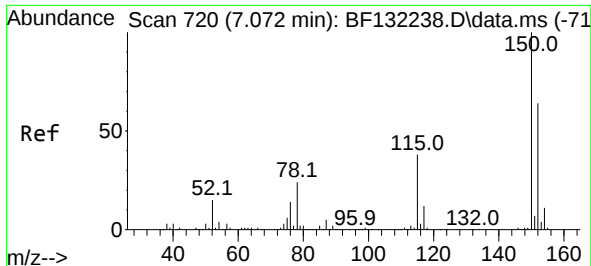
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
Response via : Initial Calibration

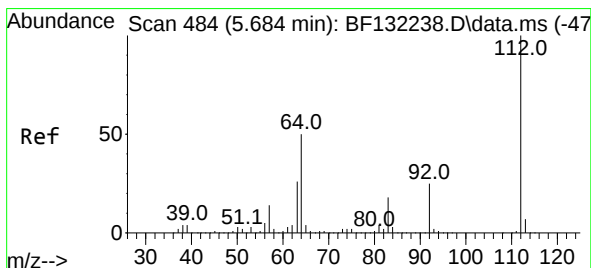
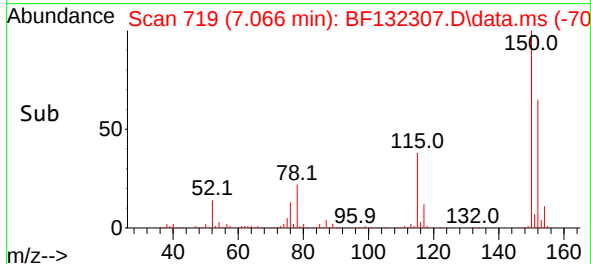
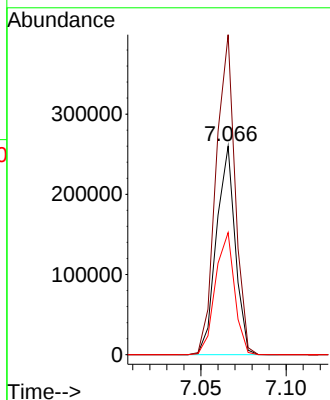
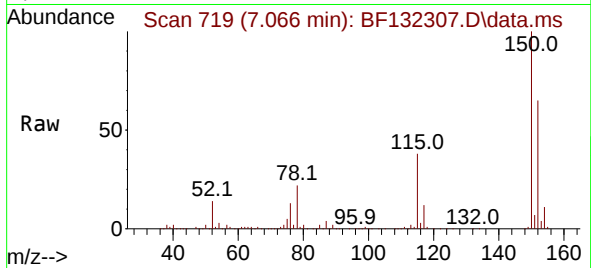




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.066 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF132307.D
 Acq: 02 Feb 2023 23:24

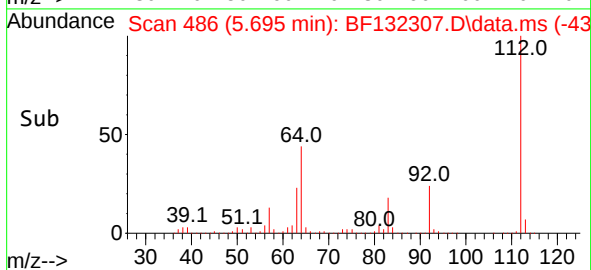
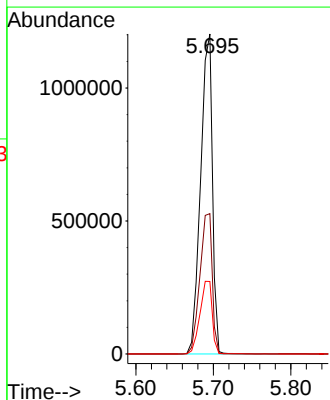
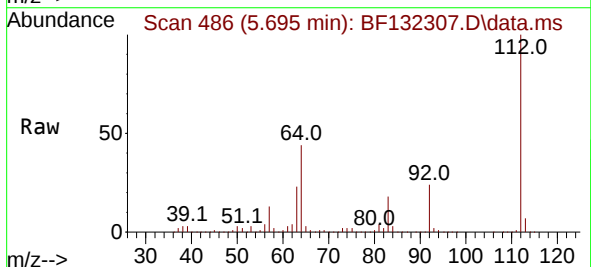
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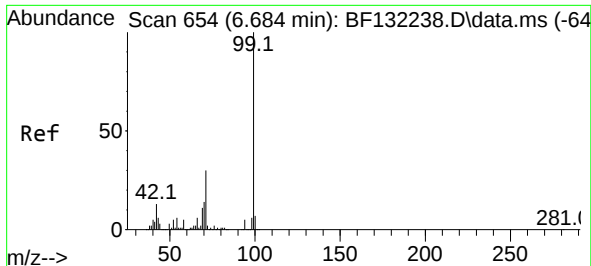
Tgt Ion:152 Resp: 199411
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.2 186.2
 115 58.6 47.3 70.9



#5
 2-Fluorophenol
 Concen: 102.515 ng
 RT: 5.695 min Scan# 486
 Delta R.T. 0.011 min
 Lab File: BF132307.D
 Acq: 02 Feb 2023 23:24

Tgt Ion:112 Resp: 1271788
 Ion Ratio Lower Upper
 112 100
 64 43.9 40.0 60.0
 63 22.6 20.5 30.7

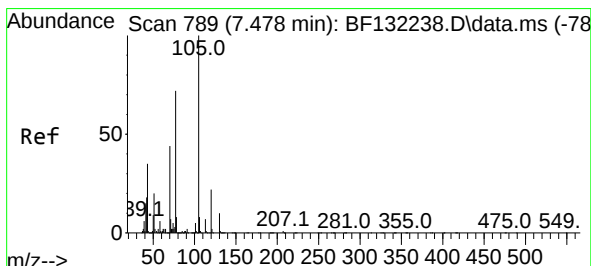
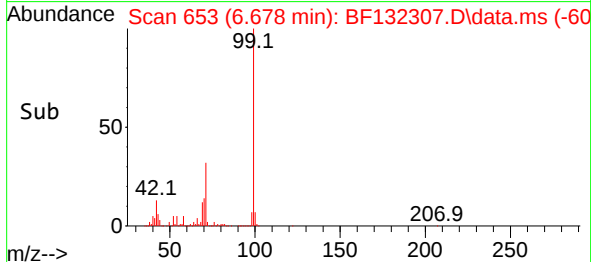
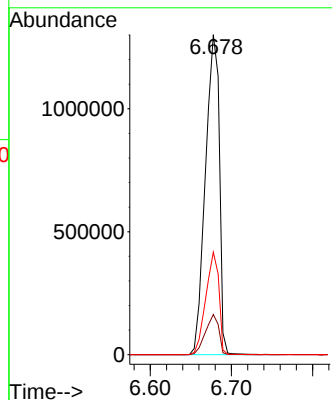
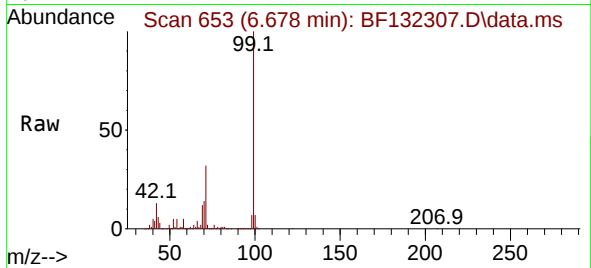




#7
Phenol-d6
Concen: 101.180 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

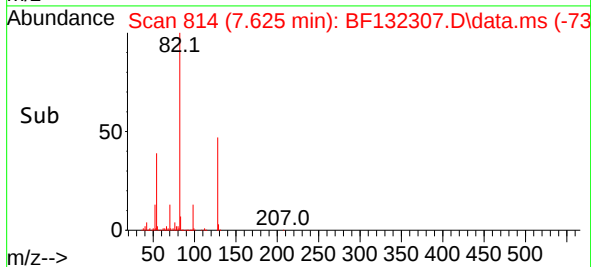
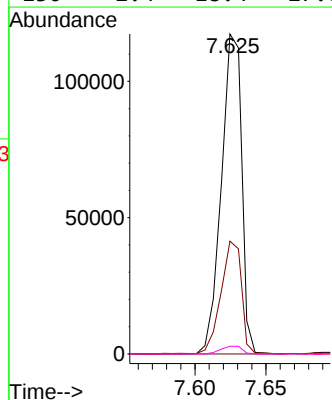
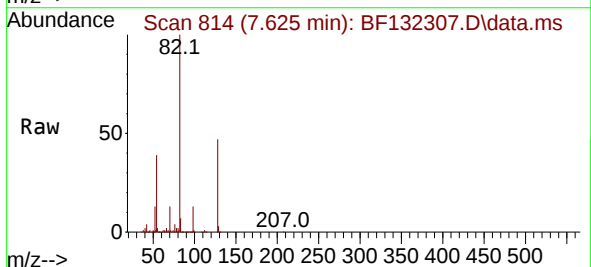
Instrument :
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ClientSampleId :
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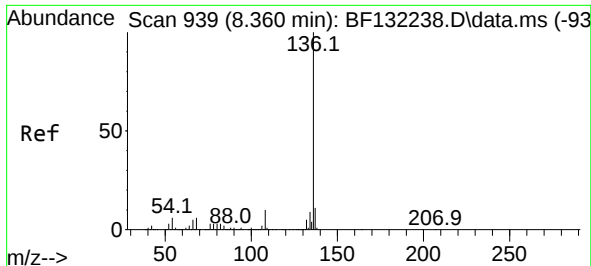
Tgt Ion: 99 Resp: 1547512
Ion Ratio Lower Upper
99 100
42 12.6 10.1 15.1
71 32.0 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.407 ng
RT: 7.625 min Scan# 814
Delta R.T. 0.147 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion: 70 Resp: 116477
Ion Ratio Lower Upper
70 100
42 35.3 33.4 50.0
101 0.0 8.2 12.4#
130 2.4 18.4 27.6#

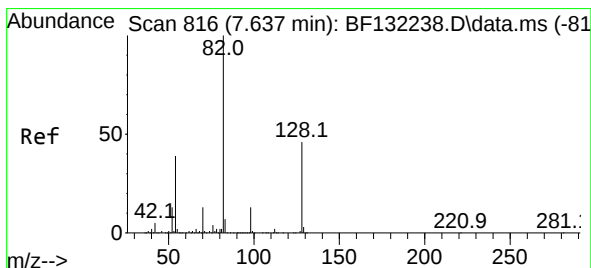
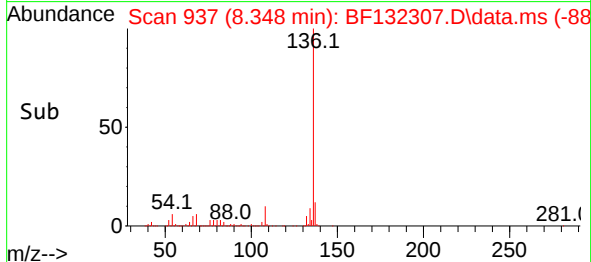
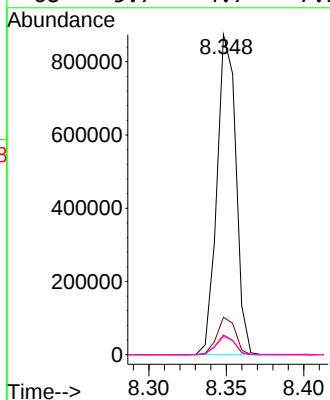
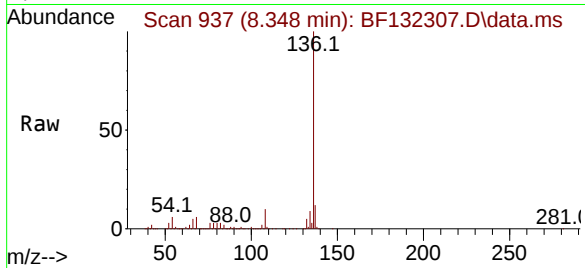




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.348 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

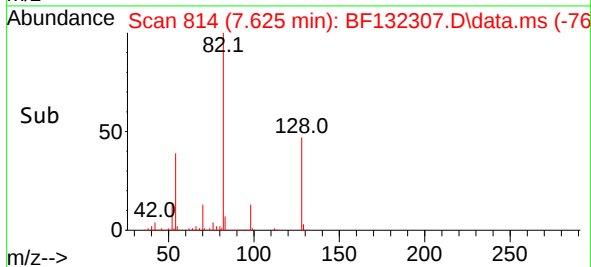
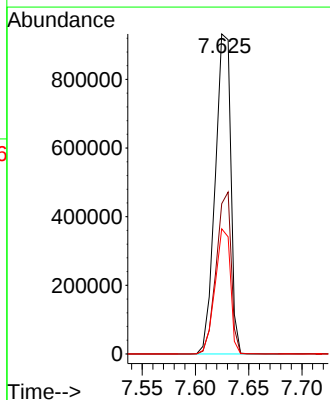
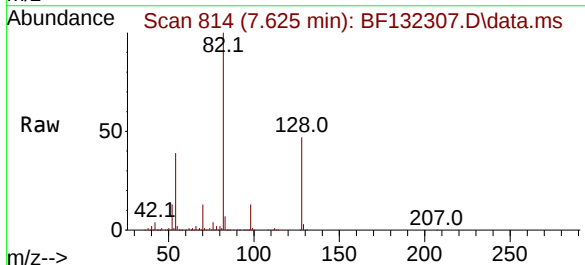
Instrument :
BNA_F
ClientSampleId :
1-BERKSHIRE-NW

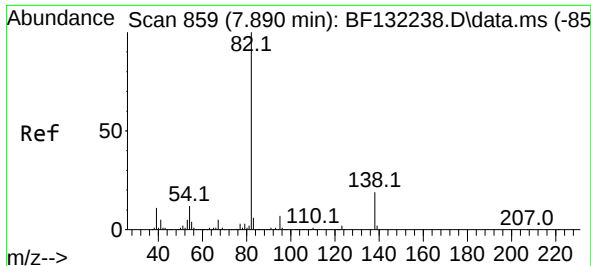
Tgt Ion:136 Resp: 746722
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 6.1 4.9 7.3
68 5.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 70.463 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion: 82 Resp: 945534
Ion Ratio Lower Upper
82 100
128 47.0 37.0 55.4
54 39.1 31.5 47.3

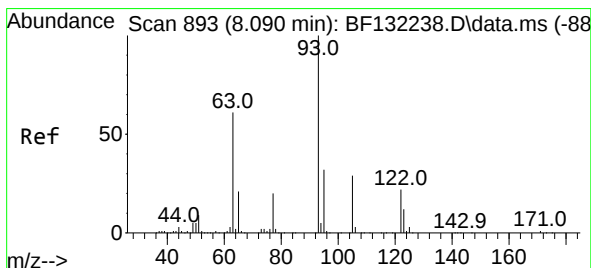
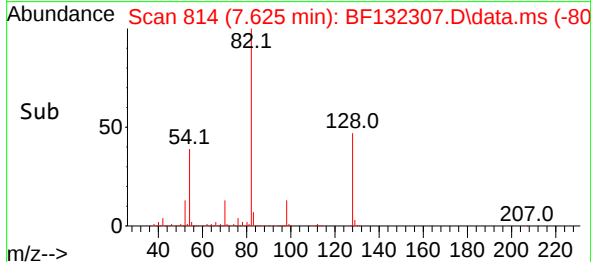
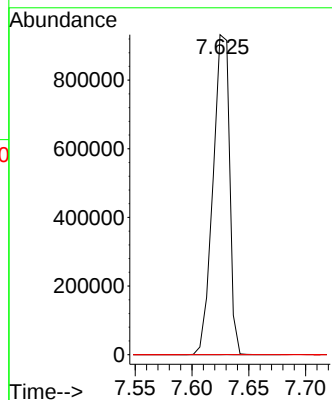
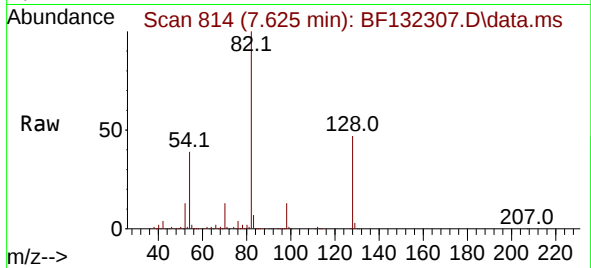




#25
Isophorone
Concen: 37.124 ng
RT: 7.625 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

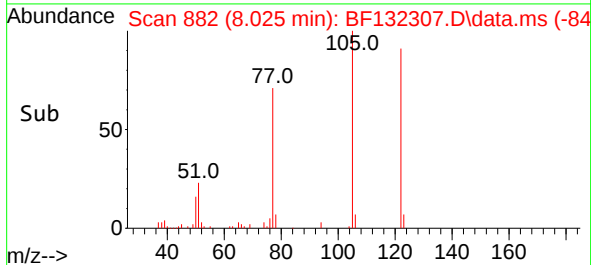
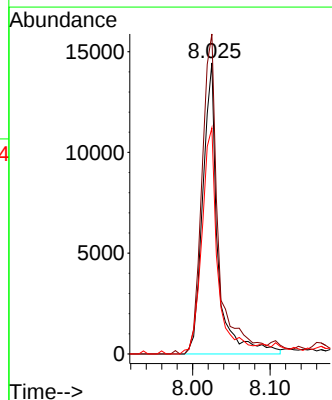
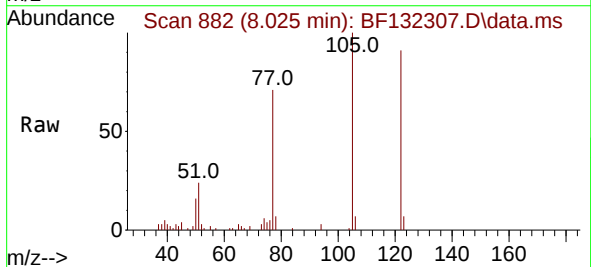
Instrument :
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ClientSampleId :
1-BERKSHIRE-NW

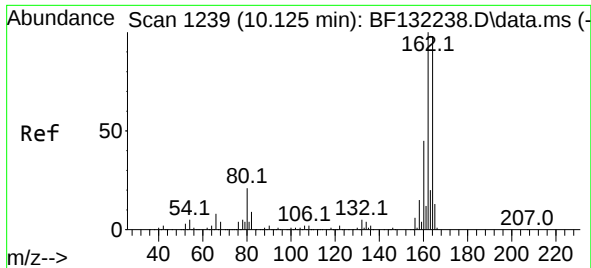
Tgt Ion: 82 Resp: 945511
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#32
Benzoic acid
Concen: 2.256 ng
RT: 8.025 min Scan# 882
Delta R.T. -0.065 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion:122 Resp: 19514
Ion Ratio Lower Upper
122 100
105 109.9 106.3 146.3
77 77.7 70.6 110.6

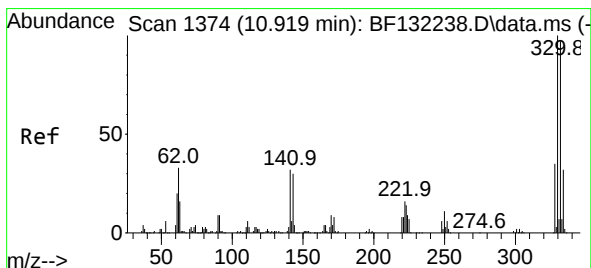
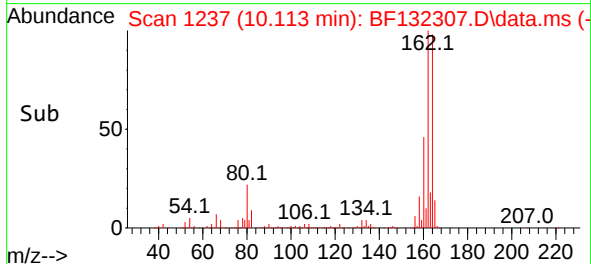
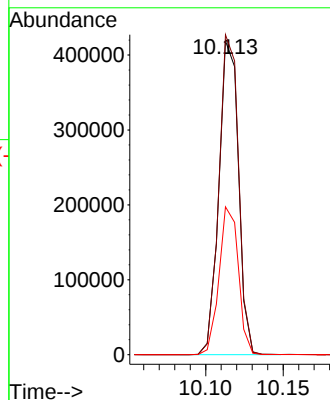
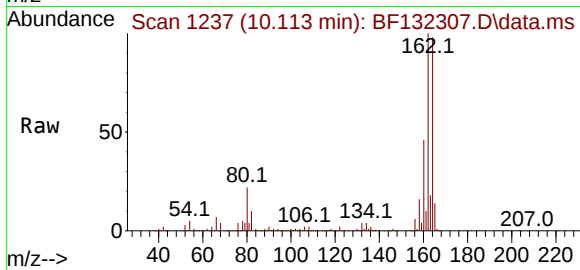




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.113 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

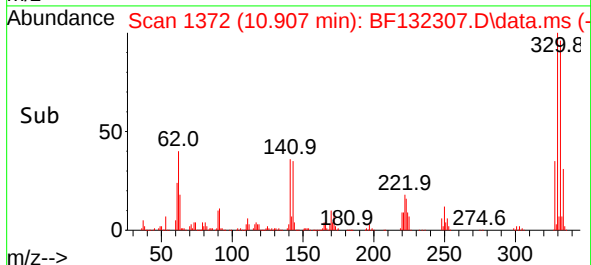
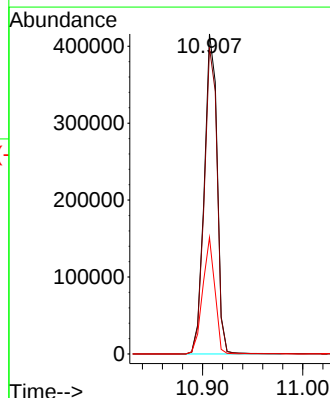
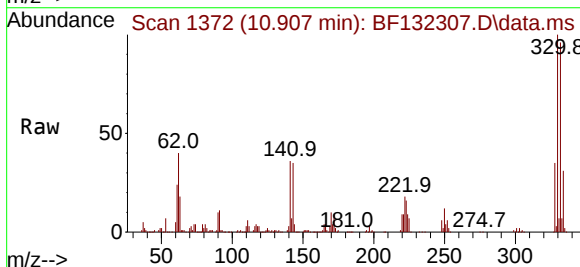
Instrument :
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ClientSampleId :
1-BERKSHIRE-NW

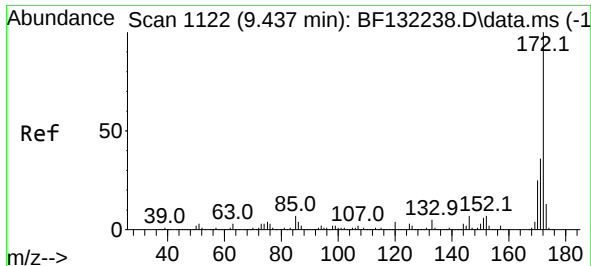
Tgt Ion:164 Resp: 368232
Ion Ratio Lower Upper
164 100
162 102.0 82.0 123.0
160 47.1 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 98.691 ng
RT: 10.907 min Scan# 1372
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion:330 Resp: 373718
Ion Ratio Lower Upper
330 100
332 96.1 77.9 116.9
141 34.4 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 68.627 ng

RT: 9.430 min Scan# 1122

Delta R.T. -0.007 min

Lab File: BF132307.D

Acq: 02 Feb 2023 23:24

Instrument :

BNA_F

ClientSampleId :

1-BERKSHIRE-NW

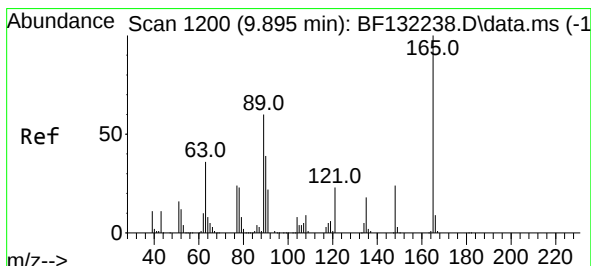
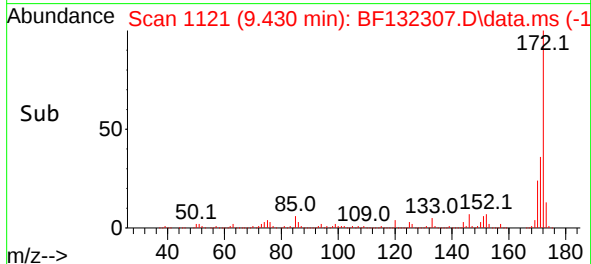
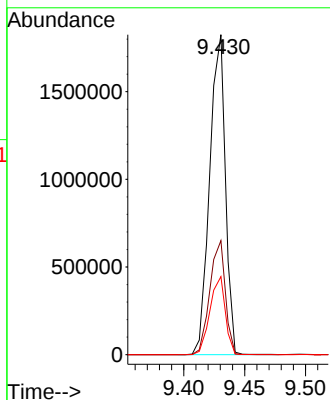
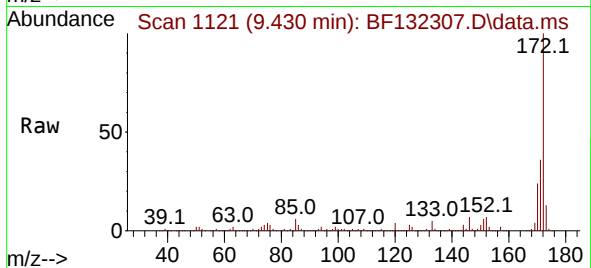
Tgt Ion:172 Resp: 1636443

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 24.4 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 8.479 ng

RT: 10.113 min Scan# 1237

Delta R.T. 0.218 min

Lab File: BF132307.D

Acq: 02 Feb 2023 23:24

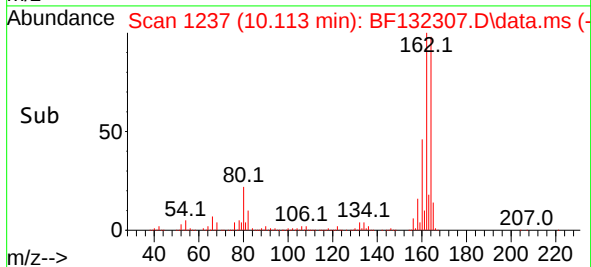
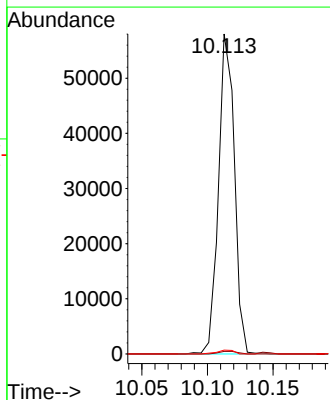
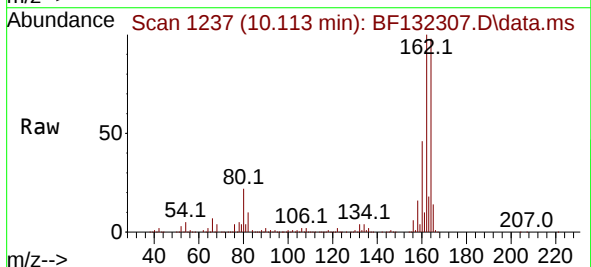
Tgt Ion:165 Resp: 48780

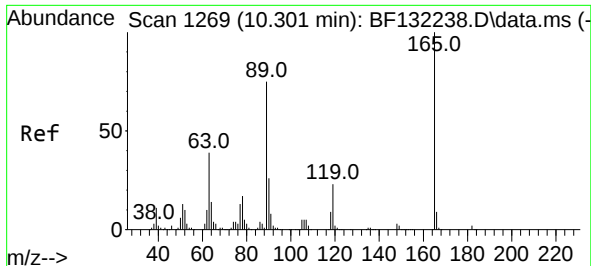
Ion Ratio Lower Upper

165 100

63 0.8 41.5 62.3#

89 1.2 48.1 72.1#

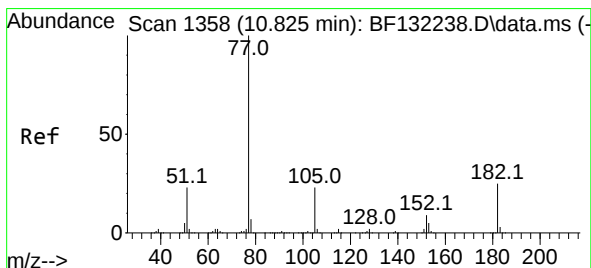
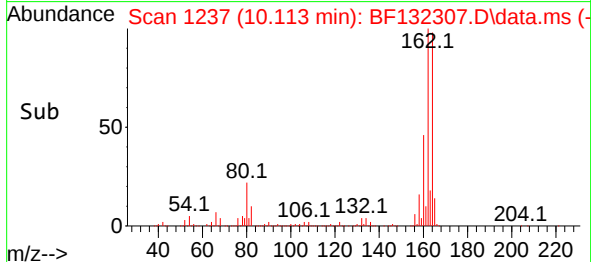
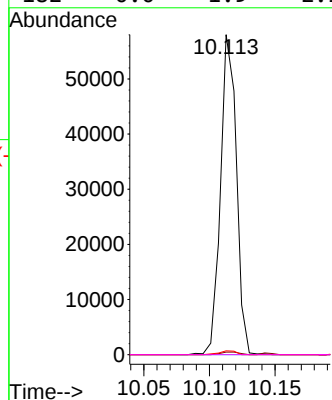
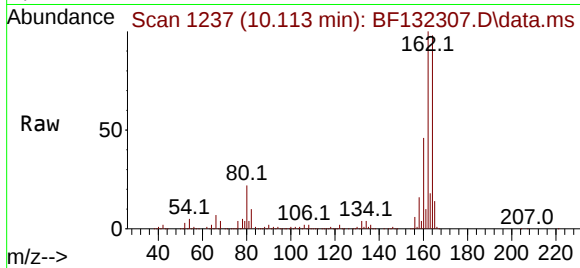




#57
2,4-Dinitrotoluene
Concen: 6.528 ng
RT: 10.113 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

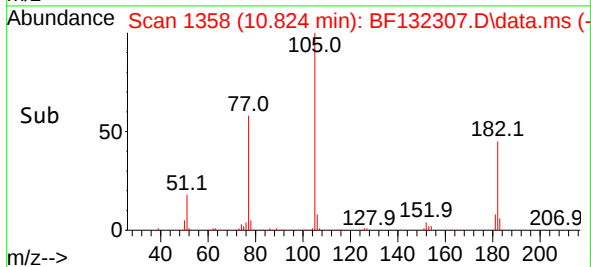
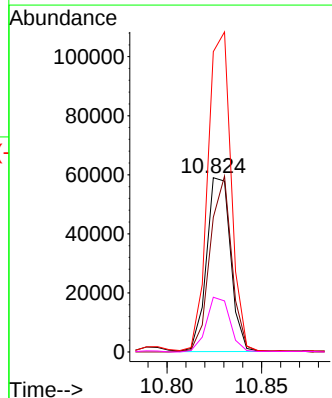
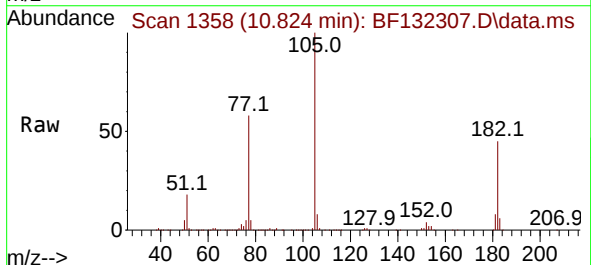
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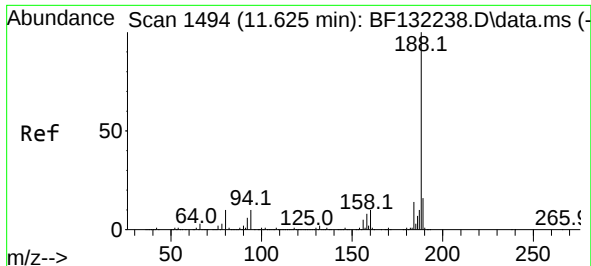
Tgt Ion:165 Resp: 48780
Ion Ratio Lower Upper
165 100
63 0.8 30.9 46.3#
89 1.2 60.1 90.1#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.087 ng
RT: 10.824 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion: 77 Resp: 52103
Ion Ratio Lower Upper
77 100
182 77.3 4.5 44.5#
105 172.3 2.7 42.7#
51 31.4 2.8 42.8

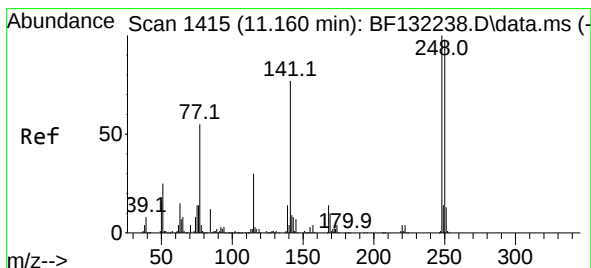
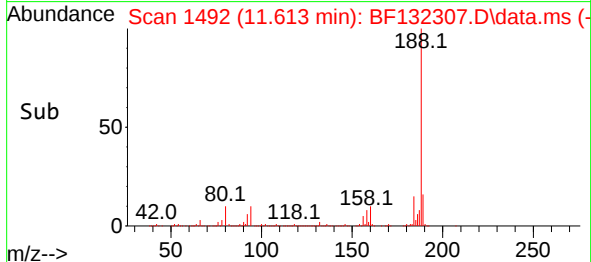
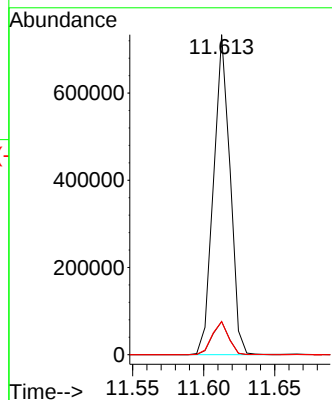
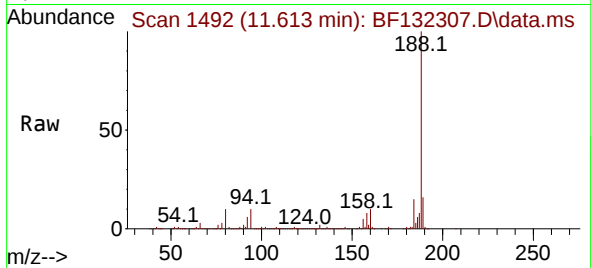




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.613 min Scan# 1494
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

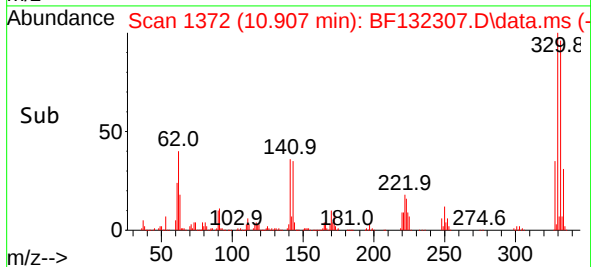
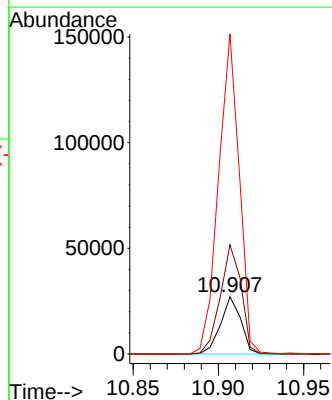
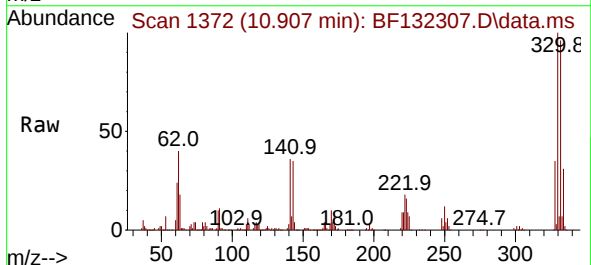
Instrument :
BNA_F
ClientSampleId :
1-BERKSHIRE-NW

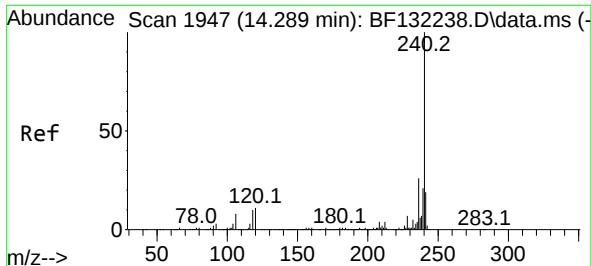
Tgt Ion:188 Resp: 591675
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.2
80 10.4 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.693 ng
RT: 10.907 min Scan# 1372
Delta R.T. -0.253 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion:248 Resp: 22376
Ion Ratio Lower Upper
248 100
250 191.0 78.6 117.8#
141 560.3 61.6 92.4#

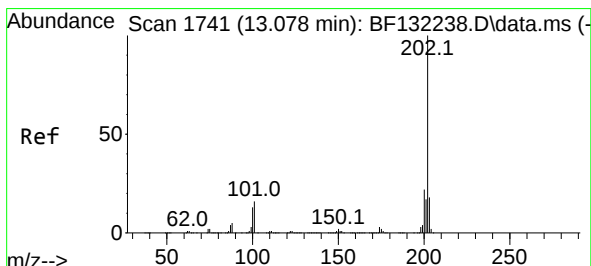
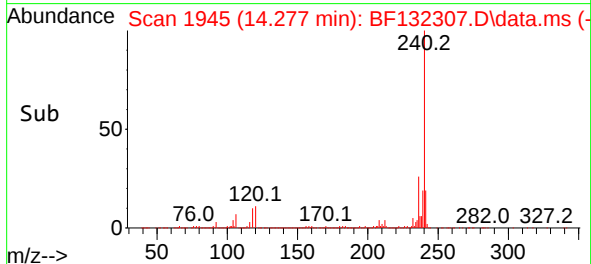
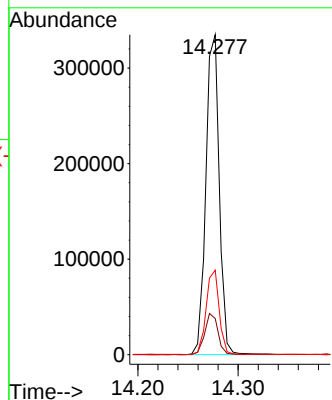
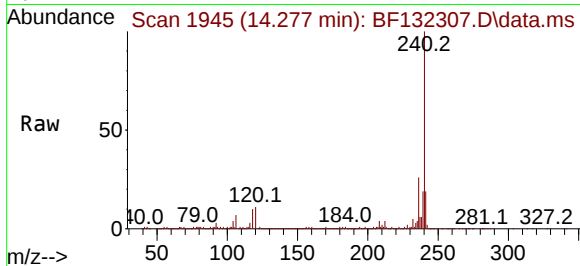




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

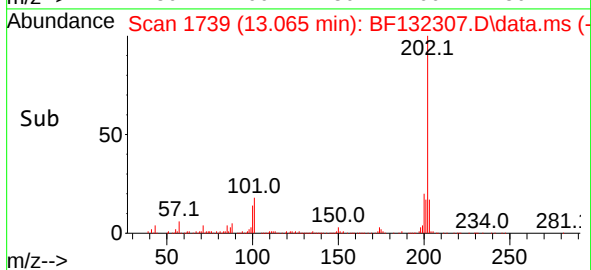
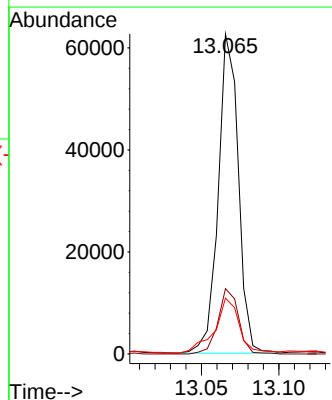
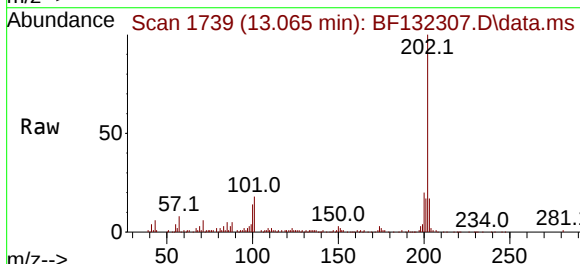
Instrument :
BNA_F
ClientSampleId :
1-BERKSHIRE-NW

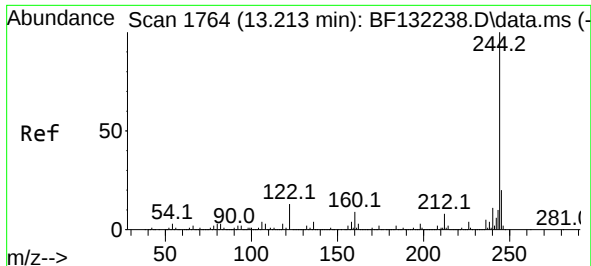
Tgt Ion:240 Resp: 313412
Ion Ratio Lower Upper
240 100
120 11.3 8.8 13.2
236 26.4 21.0 31.6



#78
Pyrene
Concen: 2.241 ng
RT: 13.065 min Scan# 1739
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion:202 Resp: 56492
Ion Ratio Lower Upper
202 100
200 20.4 17.3 25.9
203 17.4 14.4 21.6

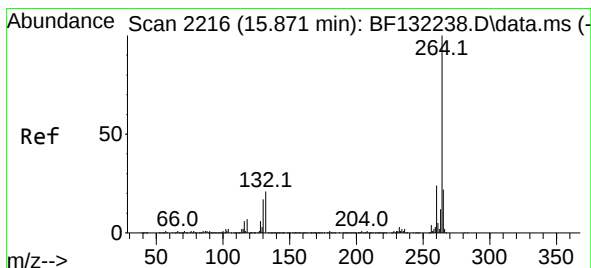
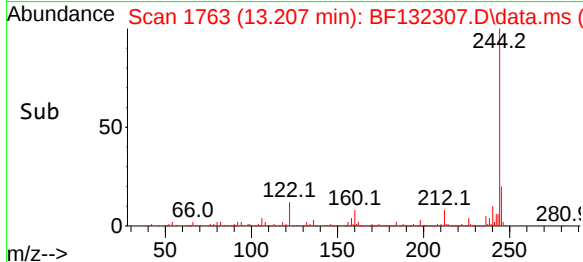
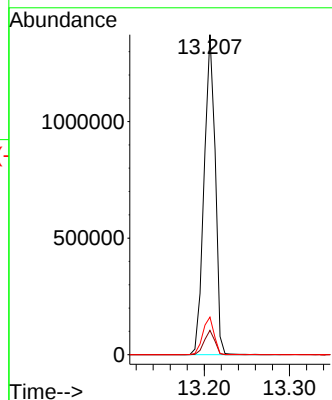
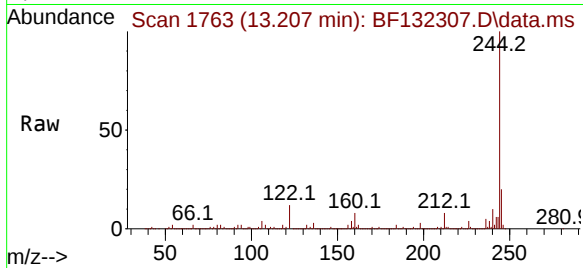




#79
 Terphenyl-d14
 Concen: 76.523 ng
 RT: 13.207 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132307.D
 Acq: 02 Feb 2023 23:24

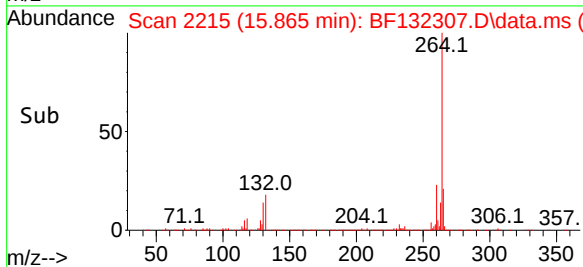
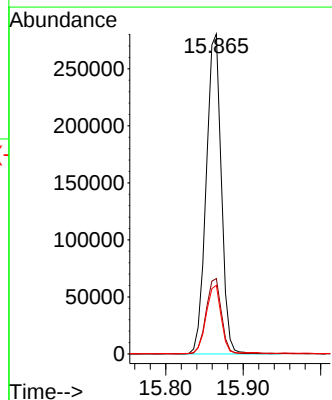
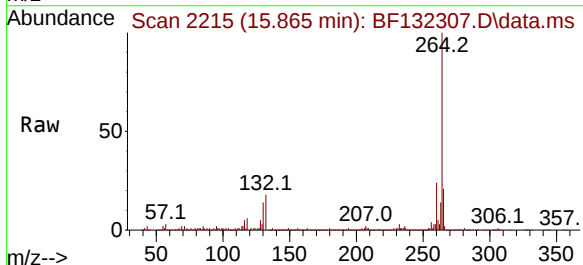
Instrument :
 BNA_F
 ClientSampleId :
 1-BERKSHIRE-NW

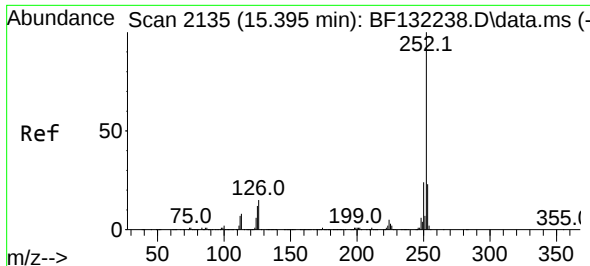
Tgt Ion:244 Resp: 1239821
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 11.7 10.5 15.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.865 min Scan# 2215
 Delta R.T. -0.006 min
 Lab File: BF132307.D
 Acq: 02 Feb 2023 23:24

Tgt Ion:264 Resp: 379726
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.5 17.4 26.2

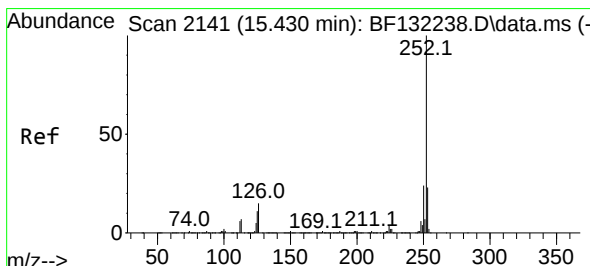
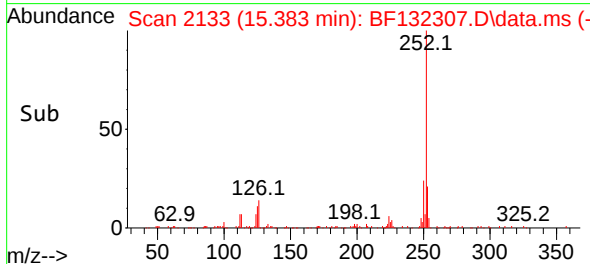
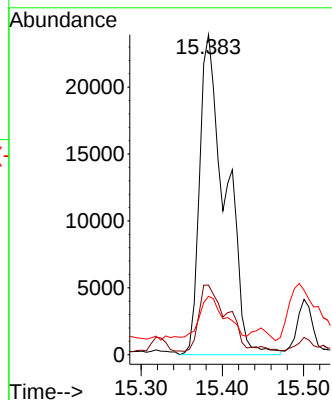
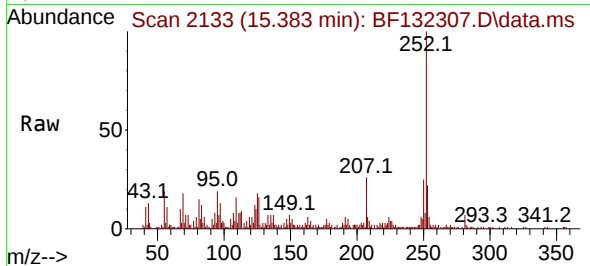




#88
Benzo(b)fluoranthene
Concen: 2.203 ng
RT: 15.383 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Instrument :
BNA_F
ClientSampleId :
1-BERKSHIRE-NW

Tgt Ion:252 Resp: 53162
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 18.3 9.6 14.4#



#89
Benzo(k)fluoranthene
Concen: 2.307 ng
RT: 15.383 min Scan# 2133
Delta R.T. -0.047 min
Lab File: BF132307.D
Acq: 02 Feb 2023 23:24

Tgt Ion:252 Resp: 53162
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 18.3 9.0 13.6#

