

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136478.D
 Acq On : 08 Dec 2023 20:46
 Operator : CG\JU
 Sample : 05599-03RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LKWD-BACKFILL-02RE

Quant Time: Dec 11 02:13:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

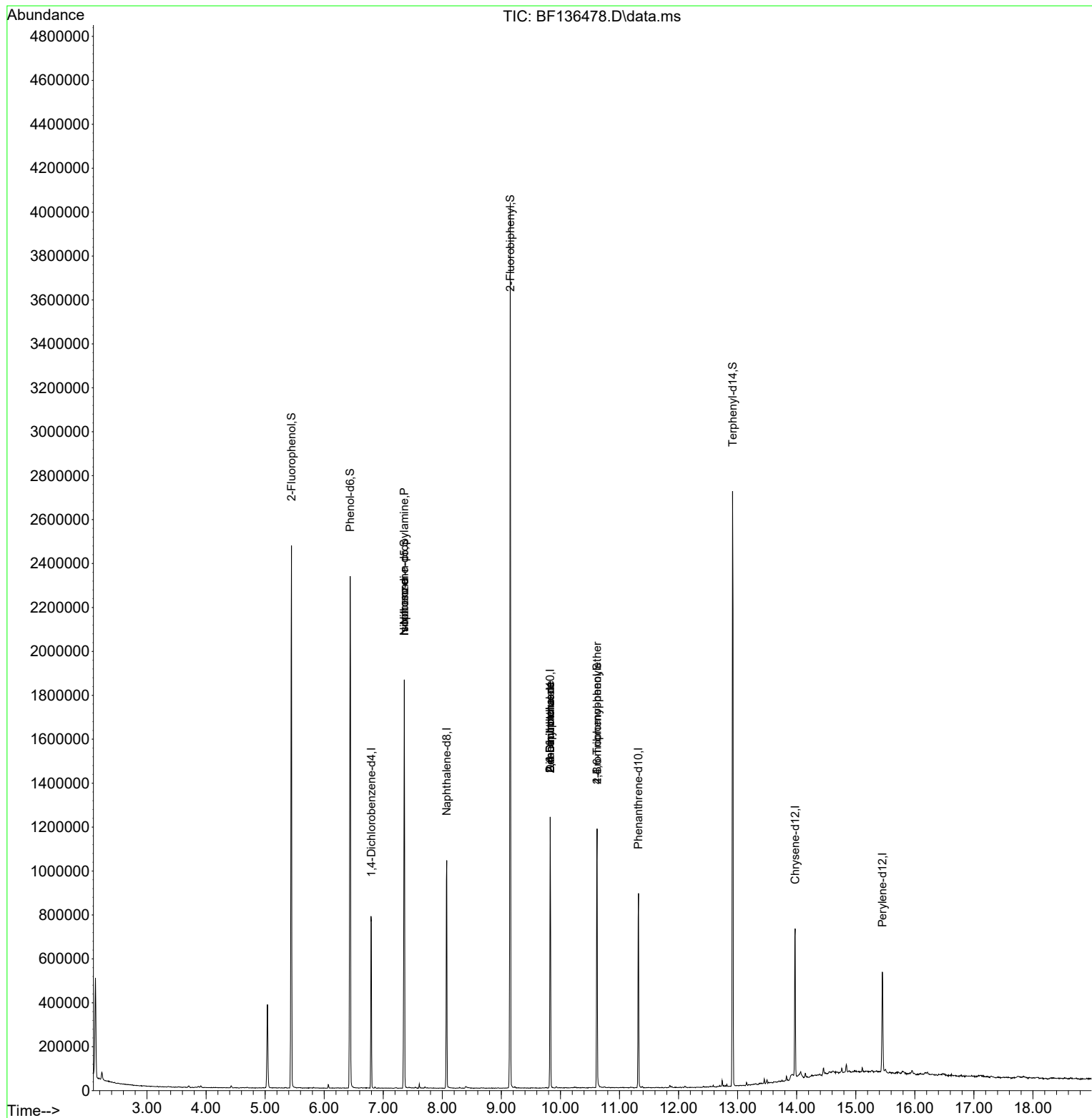
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	123028	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	476454	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	223468	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	329477	20.000	ng	0.00
76) Chrysene-d12	13.974	240	238011	20.000	ng	0.00
86) Perylene-d12	15.451	264	210544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	678771	81.480	ng	0.01
7) Phenol-d6	6.439	99	942421	90.673	ng	0.00
23) Nitrobenzene-d5	7.357	82	610662	69.288	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	154843	56.197	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1217179	74.321	ng	-0.01
79) Terphenyl-d14	12.916	244	994091	55.050	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.439	77	1369	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	78871	13.155	ng	# 78
25) Isophorone	7.357	82	607662	38.377	ng	# 65
50) Dimethylphthalate	9.828	163	44984	2.734	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	28319	7.651	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	28319	5.784	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	9641	2.517	ng	# 1

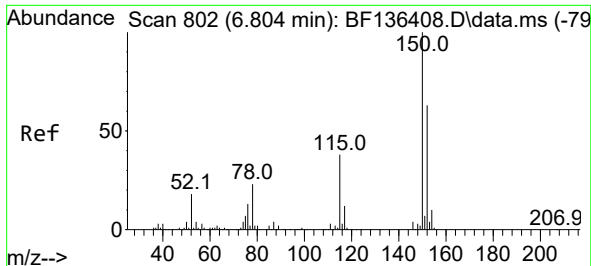
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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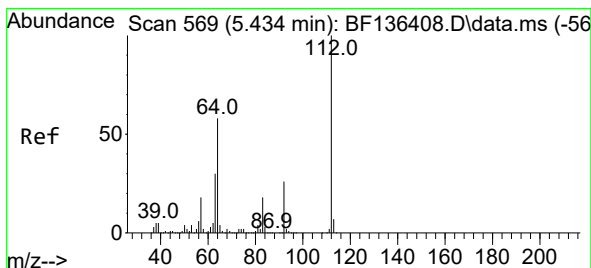
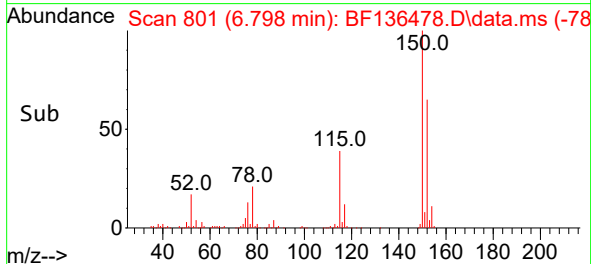
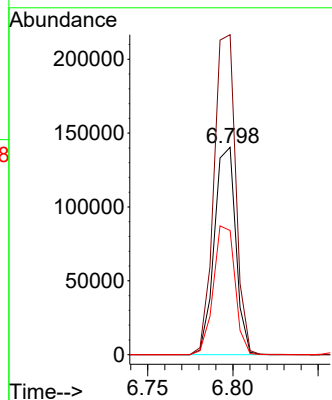
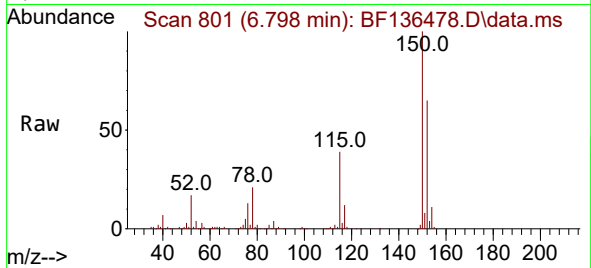




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

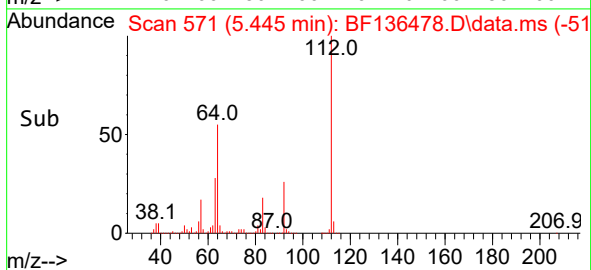
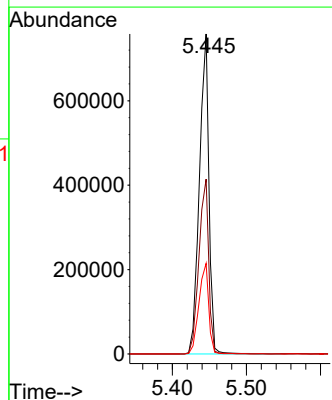
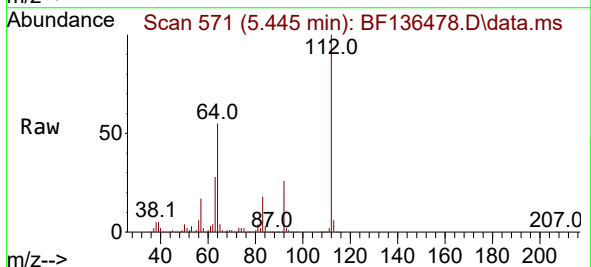
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-02RE

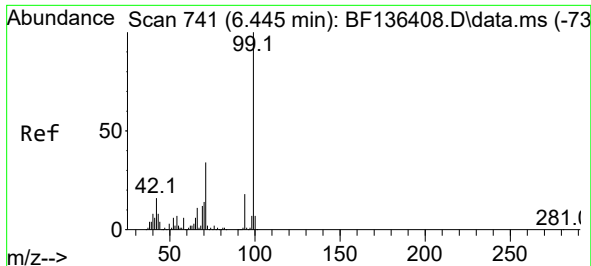
Tgt Ion:152 Resp: 123028
Ion Ratio Lower Upper
152 100
150 154.4 126.4 189.6
115 59.9 48.2 72.4



#5
2-Fluorophenol
Concen: 81.480 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

Tgt Ion:112 Resp: 678771
Ion Ratio Lower Upper
112 100
64 54.6 46.5 69.7
63 28.3 23.9 35.9

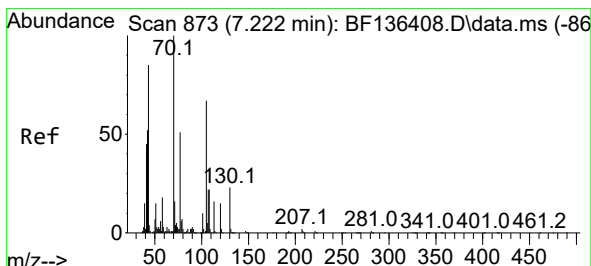
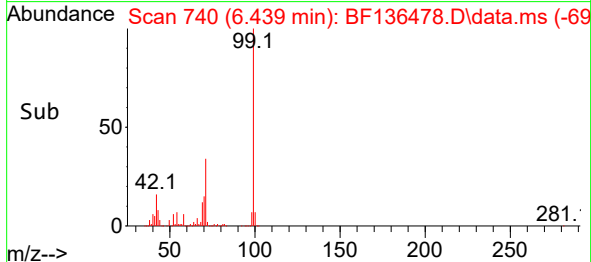
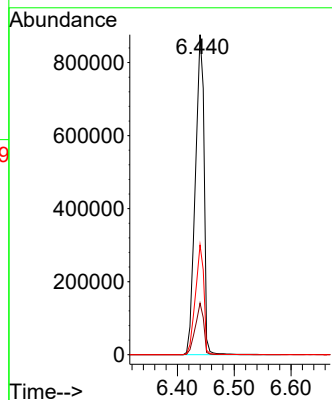
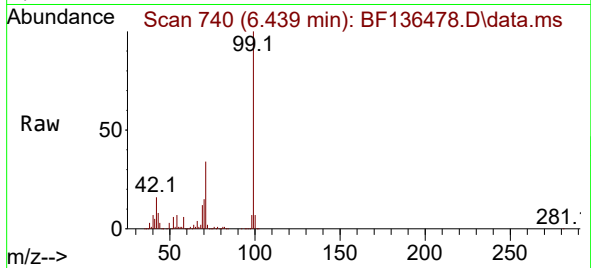




#7
Phenol-d6
Concen: 90.673 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

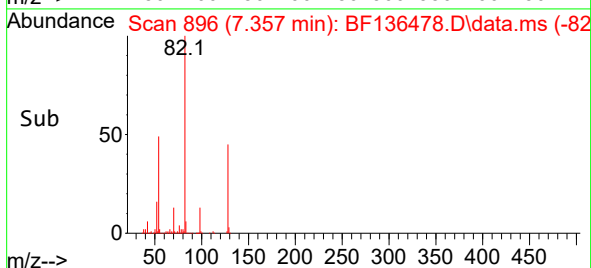
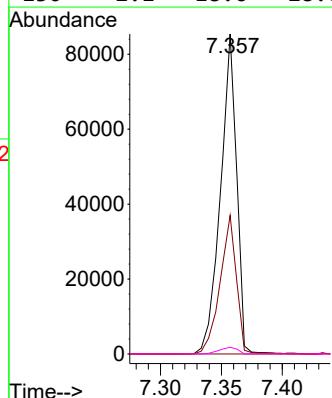
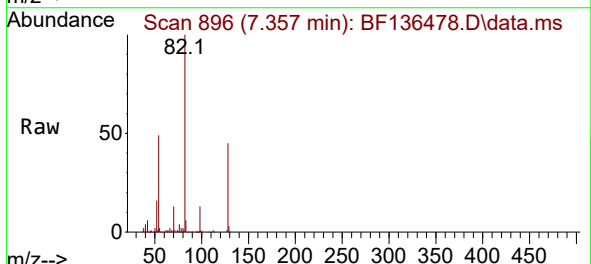
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-02RE

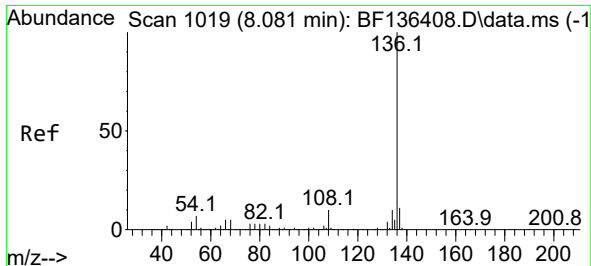
Tgt Ion: 99 Resp: 942421
Ion Ratio Lower Upper
99 100
42 16.1 12.8 19.2
71 34.3 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.155 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

Tgt Ion: 70 Resp: 78871
Ion Ratio Lower Upper
70 100
42 43.3 41.4 62.0
101 0.0 8.2 12.4#
130 2.1 18.6 28.0#

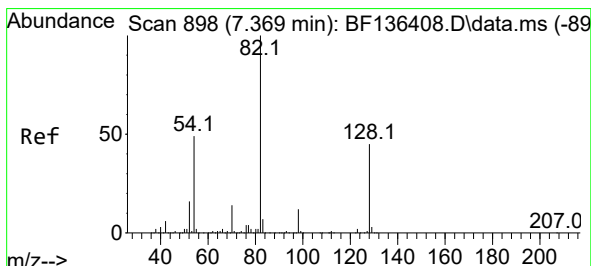
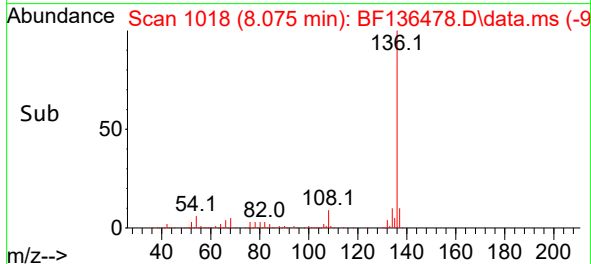
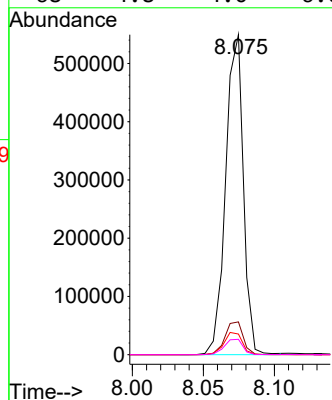
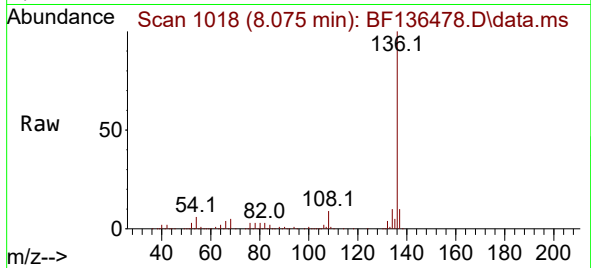




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

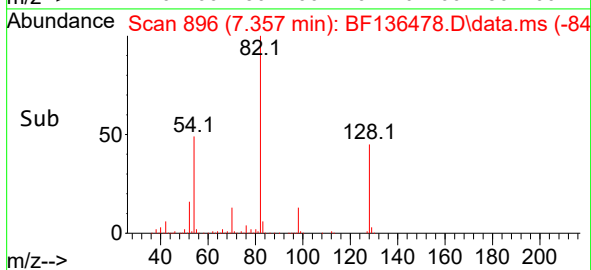
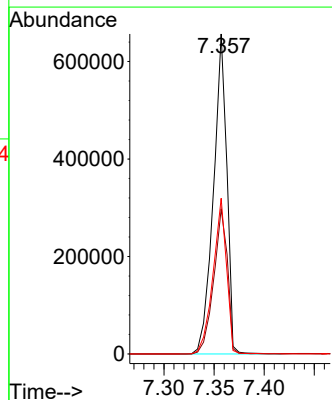
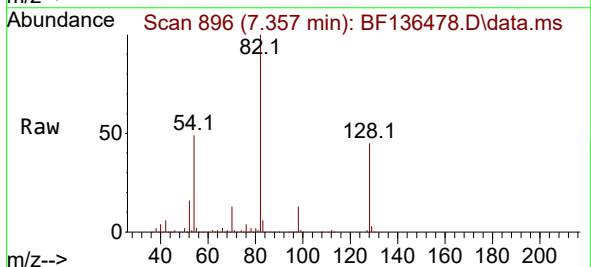
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-02RE

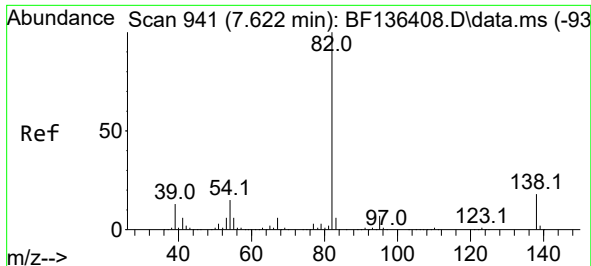
Tgt Ion:136 Resp: 476454
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 6.4 5.7 8.5
68 4.8 4.0 6.0



#23
Nitrobenzene-d5
Concen: 69.288 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

Tgt Ion: 82 Resp: 610662
Ion Ratio Lower Upper
82 100
128 45.3 36.3 54.5
54 48.6 39.0 58.6

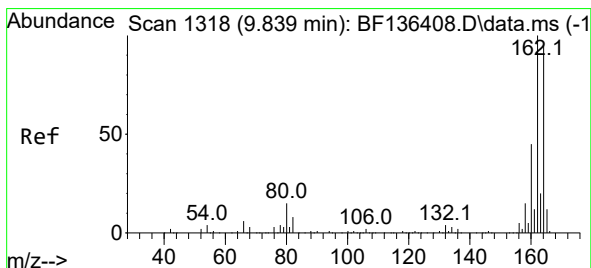
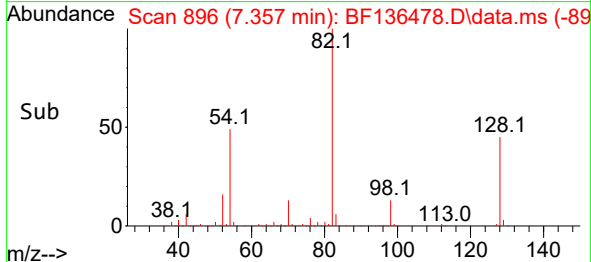
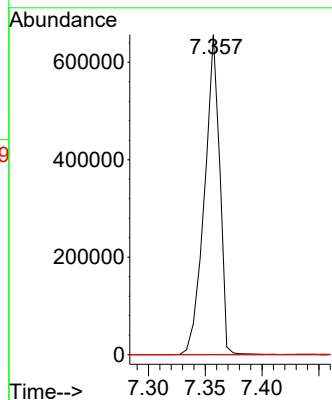
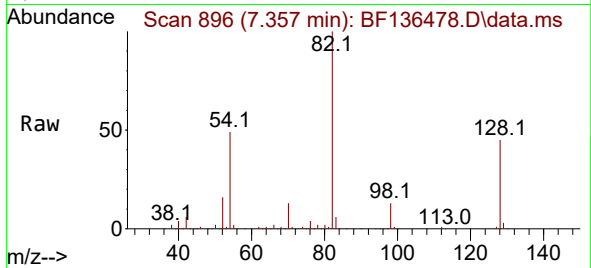




#25
Isophorone
Concen: 38.377 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

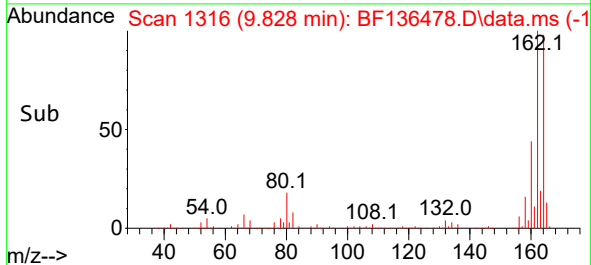
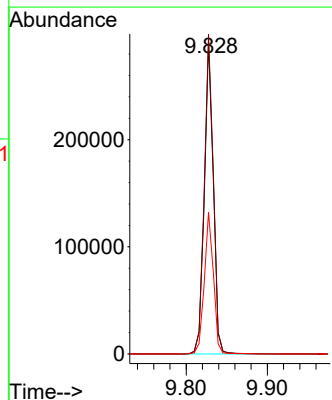
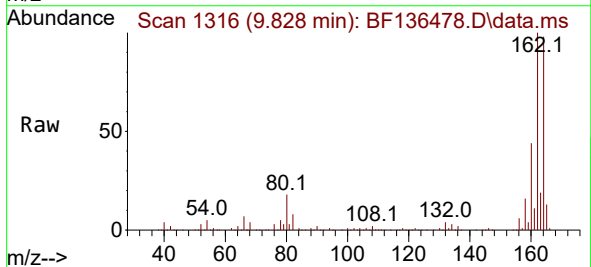
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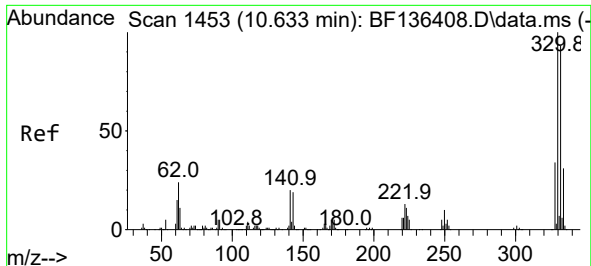
Tgt Ion: 82 Resp: 607662
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

Tgt Ion:164 Resp: 223468
Ion Ratio Lower Upper
164 100
162 102.5 84.4 126.6
160 45.5 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 56.197 ng

RT: 10.622 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136478.D

Acq: 08 Dec 2023 20:46

Instrument :

BNA_F

ClientSampleId :

LKWD-BACKFILL-02RE

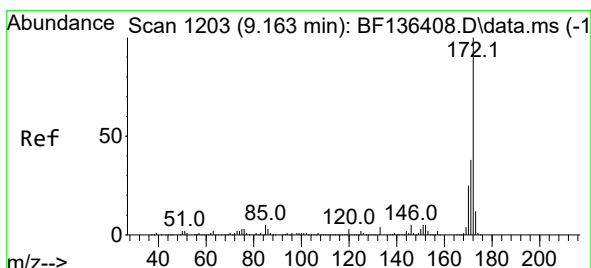
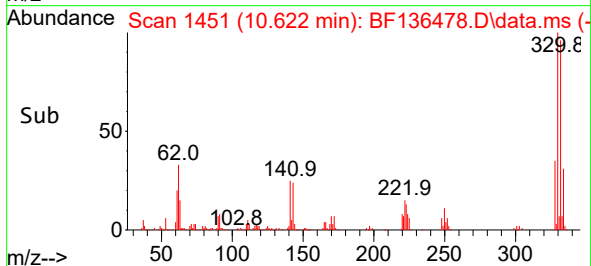
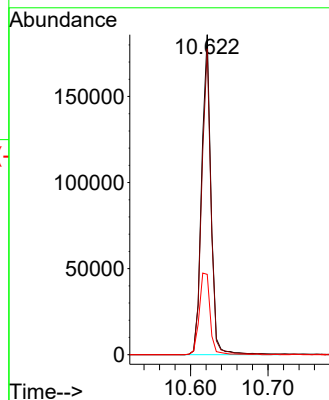
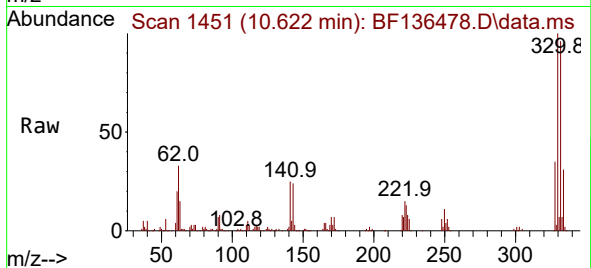
Tgt Ion:330 Resp: 154843

Ion Ratio Lower Upper

330 100

332 94.9 76.4 114.6

141 29.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 74.321 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136478.D

Acq: 08 Dec 2023 20:46

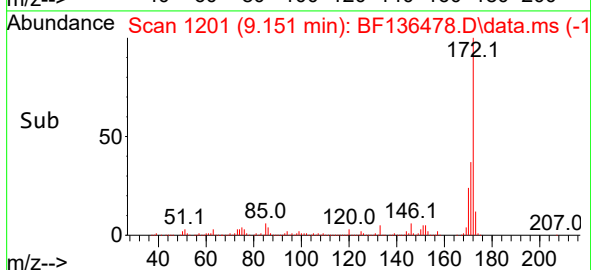
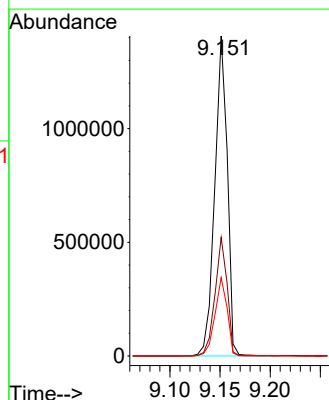
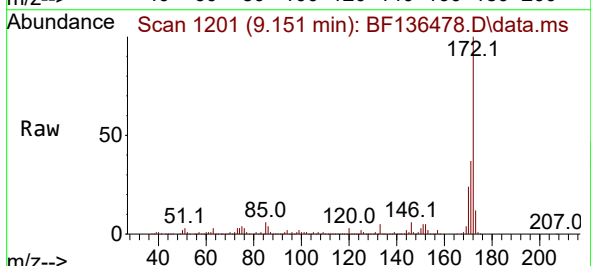
Tgt Ion:172 Resp: 1217179

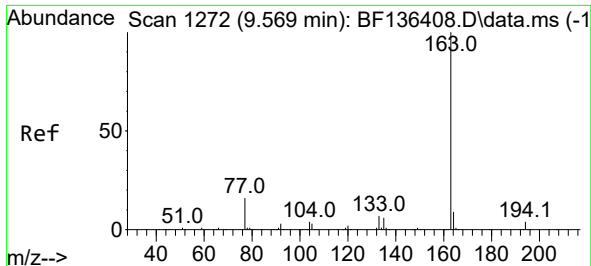
Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

170 24.5 19.9 29.9

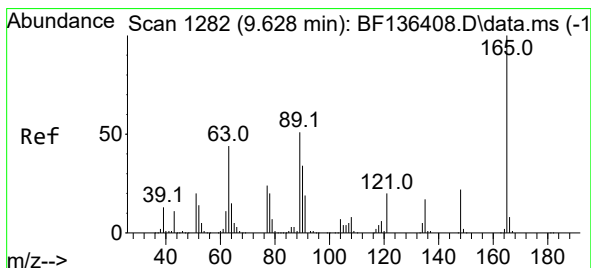
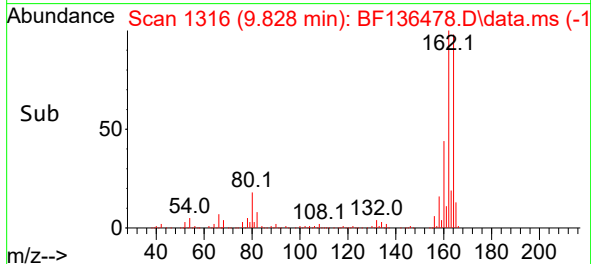
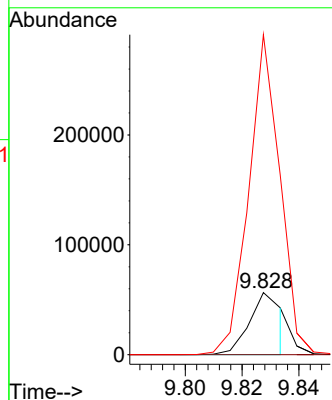
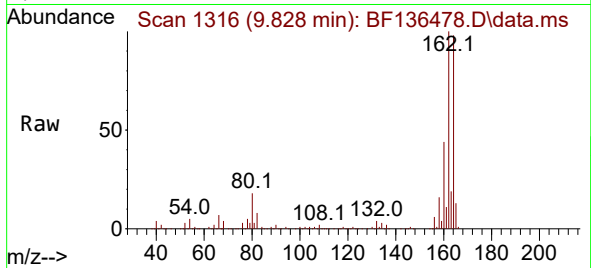




#50
Dimethylphthalate
Concen: 2.734 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

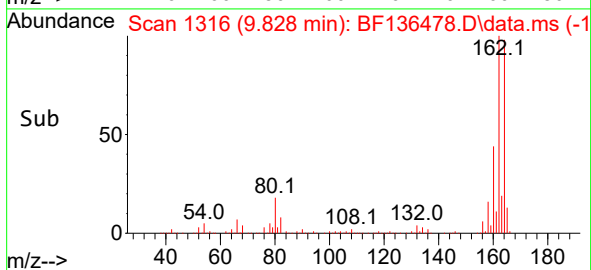
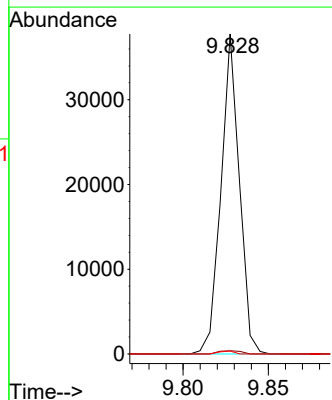
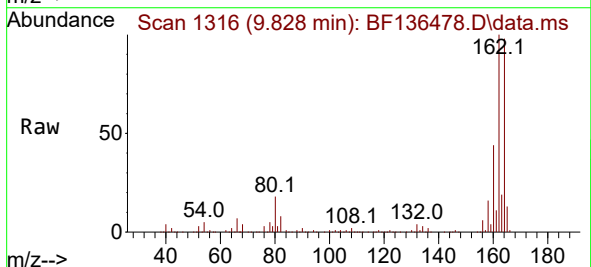
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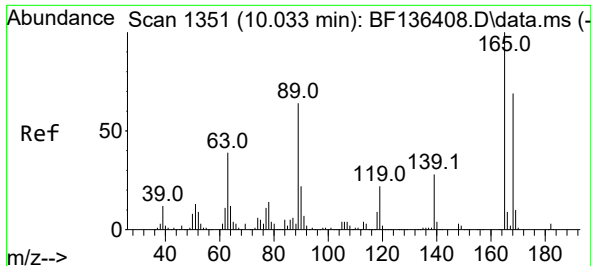
Tgt Ion:163 Resp: 44984
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 515.4 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.651 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

Tgt Ion:165 Resp: 28319
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 0.9 40.6 60.8#

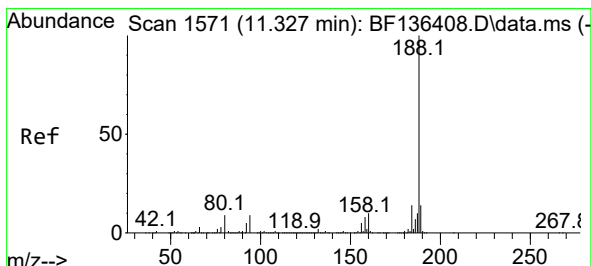
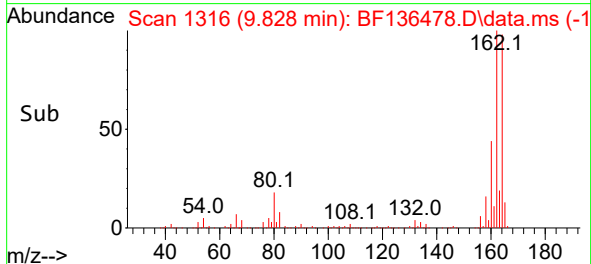
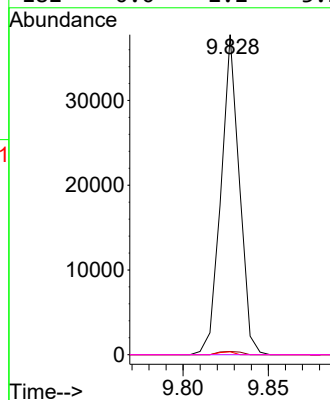
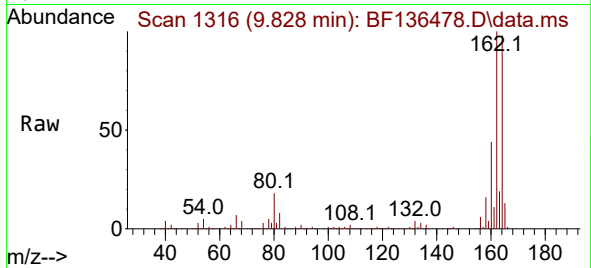




#57
2,4-Dinitrotoluene
Concen: 5.784 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

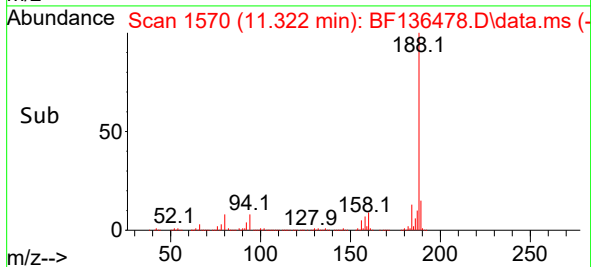
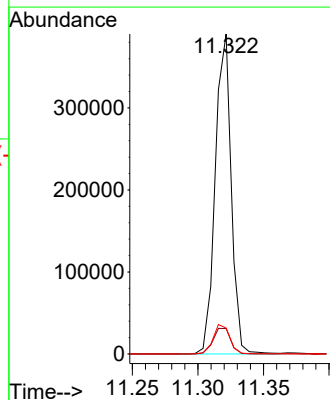
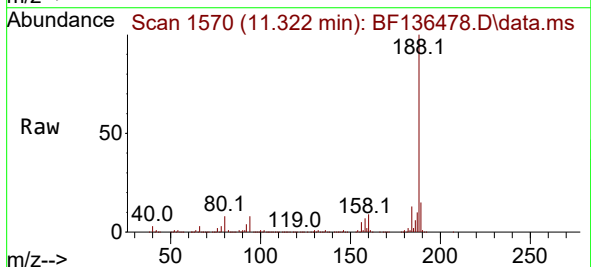
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-02RE

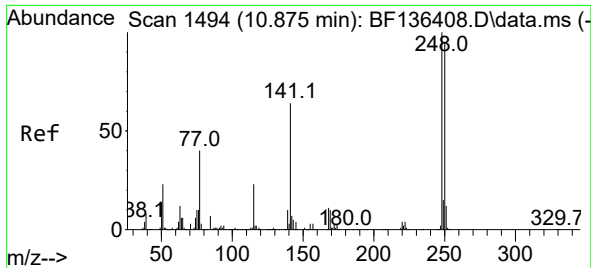
Tgt Ion:165 Resp: 28319
Ion Ratio Lower Upper
165 100
63 1.0 31.4 47.2#
89 0.9 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

Tgt Ion:188 Resp: 329477
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 8.1 7.2 10.8

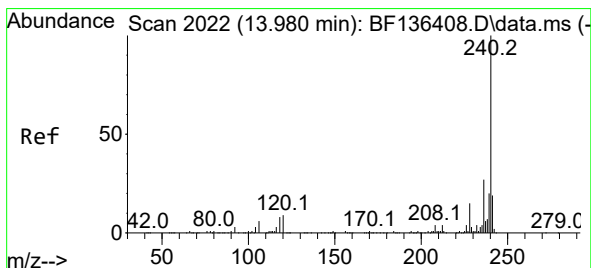
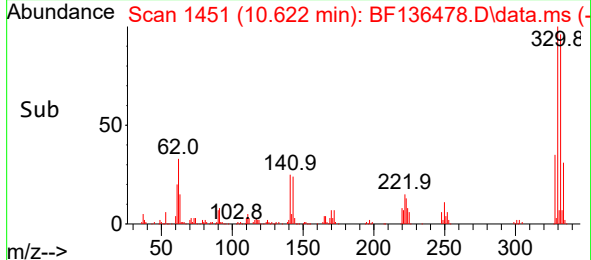
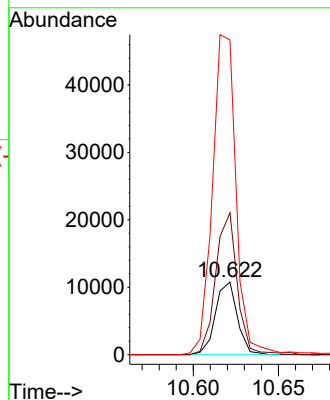
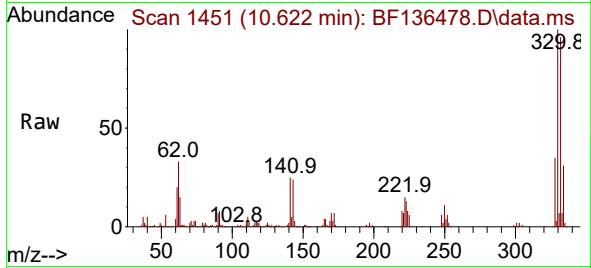




#67
4-Bromophenyl-phenylether
Concen: 2.517 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

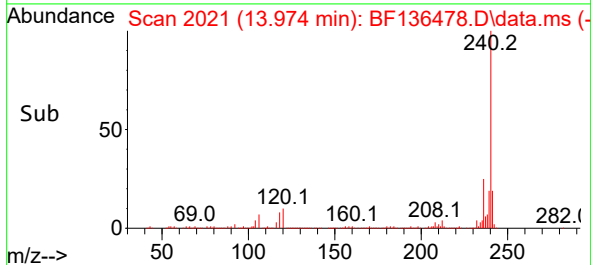
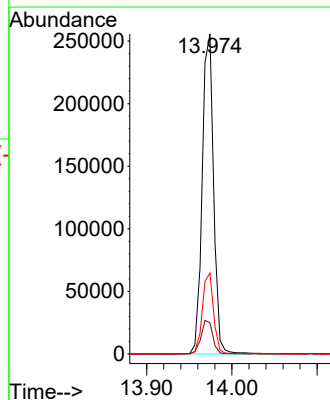
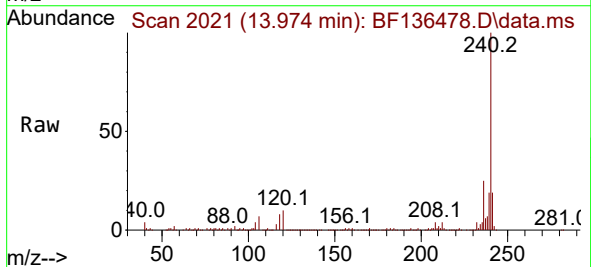
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-02RE

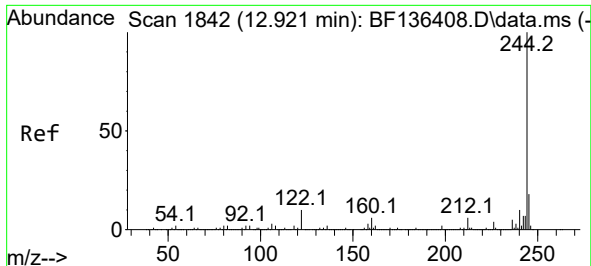
Tgt Ion:248 Resp: 9641
Ion Ratio Lower Upper
248 100
250 195.5 76.2 114.2#
141 433.5 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136478.D
Acq: 08 Dec 2023 20:46

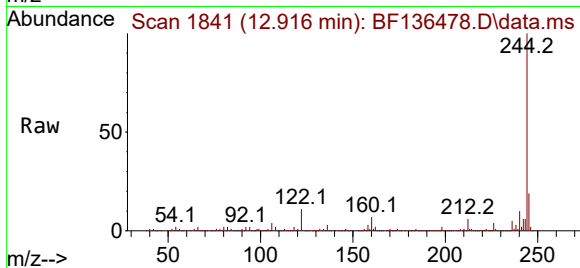
Tgt Ion:240 Resp: 238011
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.2 21.3 31.9



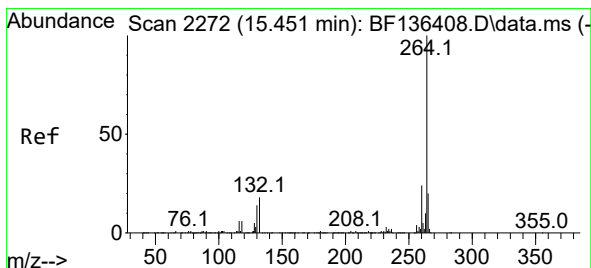
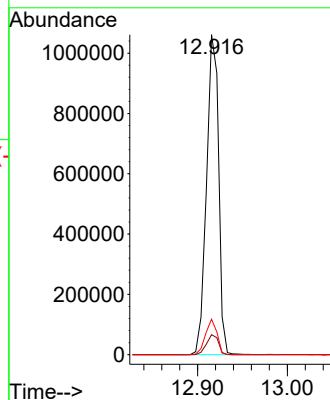
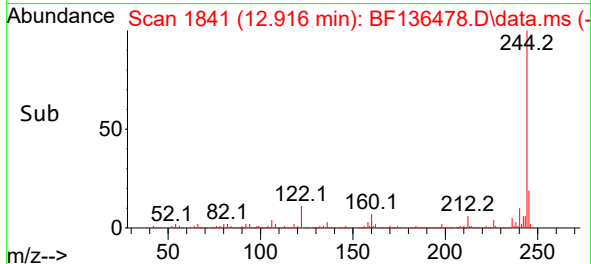


#79
 Terphenyl-d14
 Concen: 55.050 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136478.D
 Acq: 08 Dec 2023 20:46

Instrument :
 BNA_F
 ClientSampleId :
 LKWD-BACKFILL-02RE



Tgt Ion:244 Resp: 994091
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 11.1 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.000 min
 Lab File: BF136478.D
 Acq: 08 Dec 2023 20:46

Tgt Ion:264 Resp: 210544
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.3 15.9 23.9

