

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052322\
 Data File : BF128401.D
 Acq On : 23 May 2022 15:34
 Operator : CG\JU
 Sample : N2982-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-2

Quant Time: May 24 01:22:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 05:28:09 2022
 Response via : Initial Calibration

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

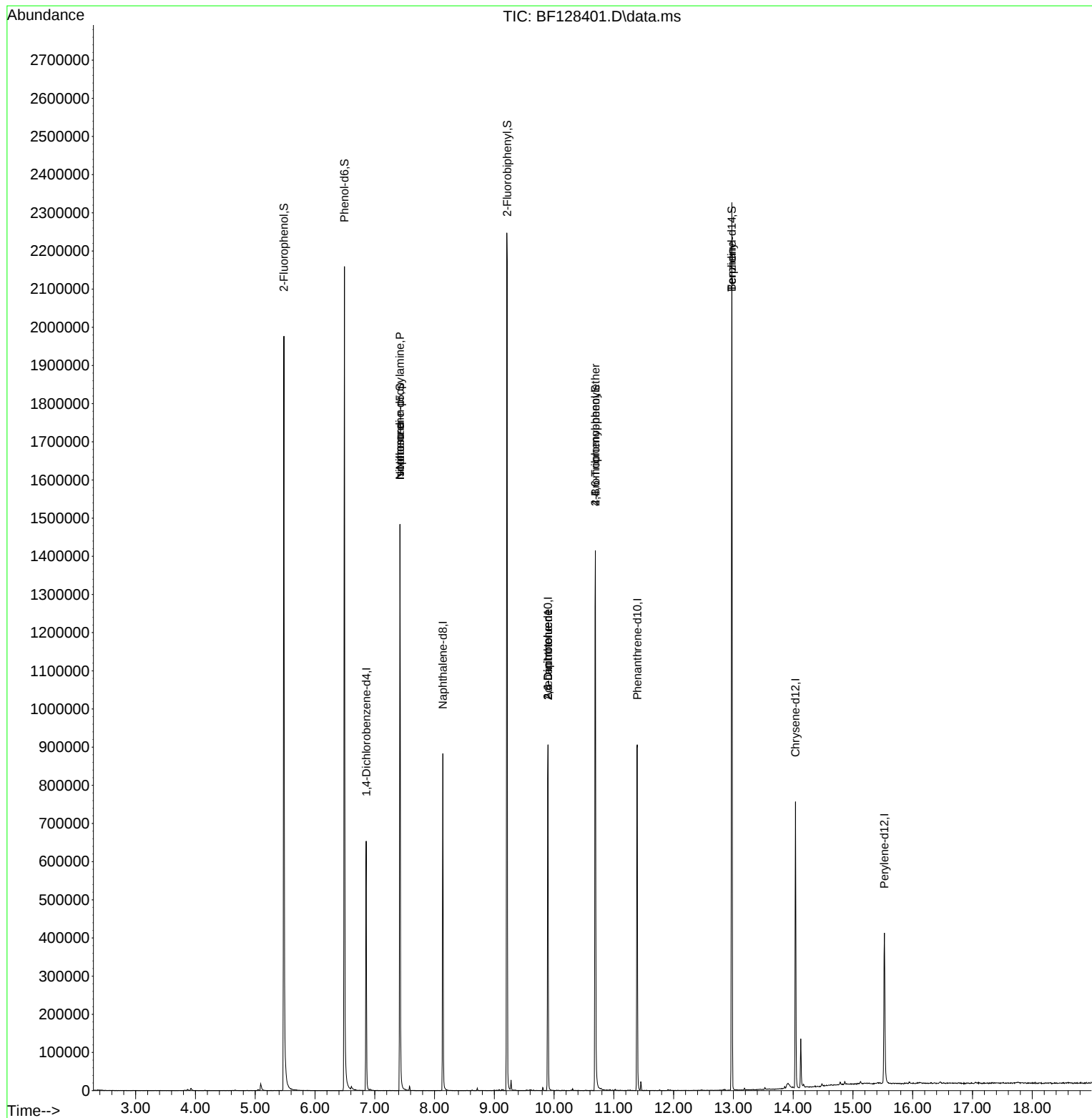
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	93859	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	355622	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	196748	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	359973	20.000	ng	0.00
76) Chrysene-d12	14.039	240	256737	20.000	ng	-0.01
86) Perylene-d12	15.527	264	190853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	537945	91.208	ng	0.00
7) Phenol-d6	6.492	99	677787	87.272	ng	0.00
23) Nitrobenzene-d5	7.422	82	463301	58.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	173904	85.707	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	710495	59.055	ng	0.00
79) Terphenyl-d14	12.974	244	785480	59.061	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.492	77	1064	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	61331	13.204	ng	# 81
25) Isophorone	7.422	82	463297	38.090	ng	# 68
51) 2,6-Dinitrotoluene	9.898	165	24978	9.113	ng	# 21
57) 2,4-Dinitrotoluene	9.898	165	24978	7.233	ng	# 25
67) 4-Bromophenyl-phenylether	10.692	248	10345	2.746	ng	# 1
77) Benzydine	12.974	184	11044	2.068	ng	# 92

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

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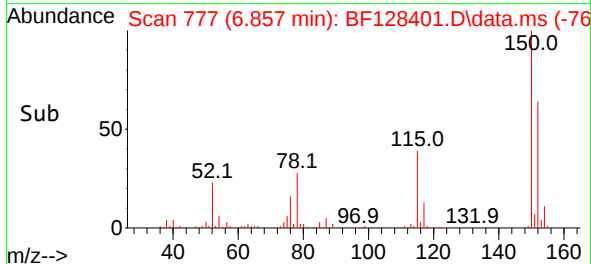
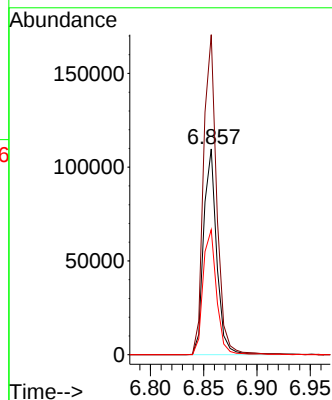
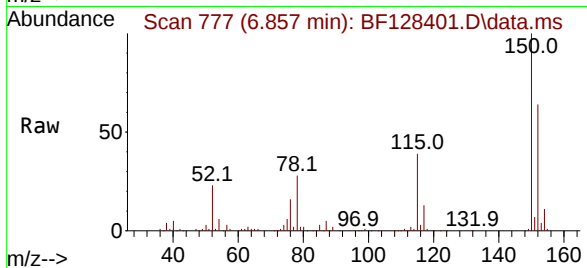




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

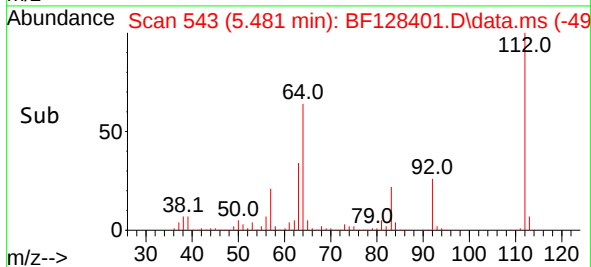
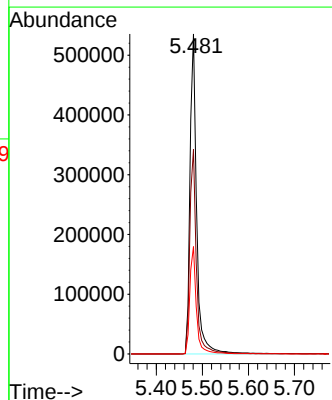
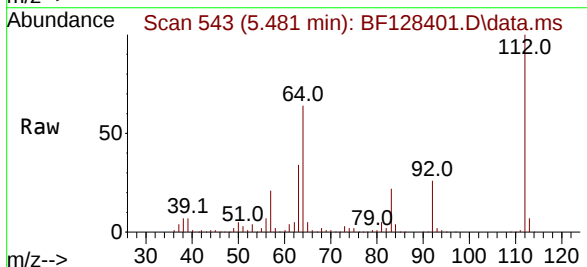
Instrument :
BNA_F
ClientSampleId :
P-2

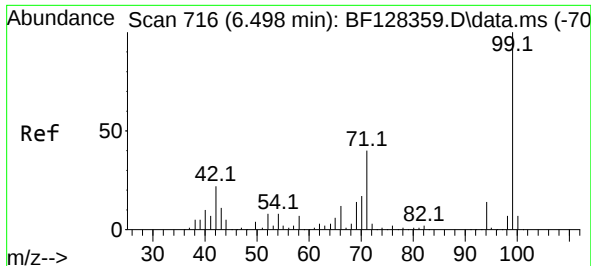
Tgt Ion:152 Resp: 93859
Ion Ratio Lower Upper
152 100
150 155.5 125.3 187.9
115 60.7 48.8 73.2



#5
2-Fluorophenol
Concen: 91.208 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Tgt Ion:112 Resp: 537945
Ion Ratio Lower Upper
112 100
64 63.9 49.5 74.3
63 33.6 26.3 39.5

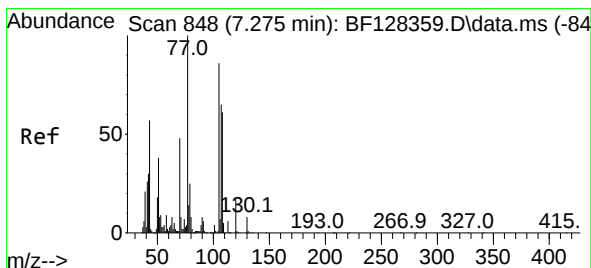
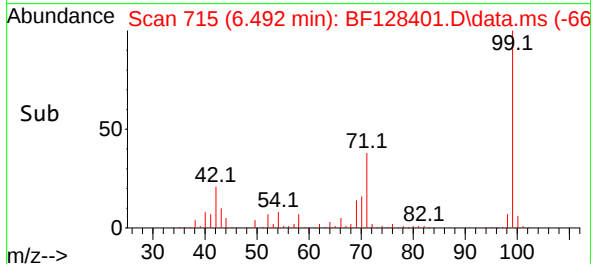
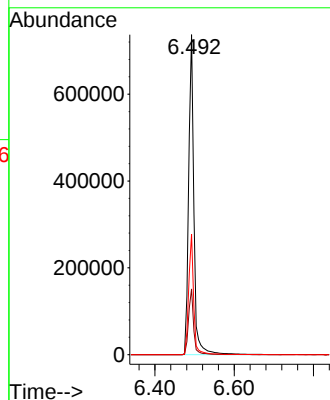
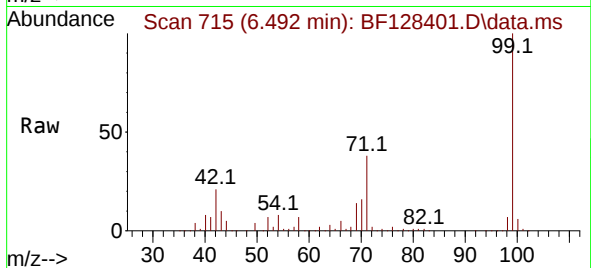




#7
Phenol-d6
Concen: 87.272 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

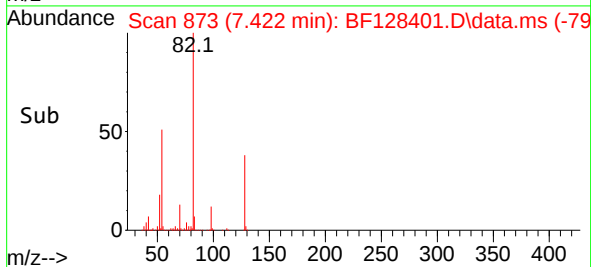
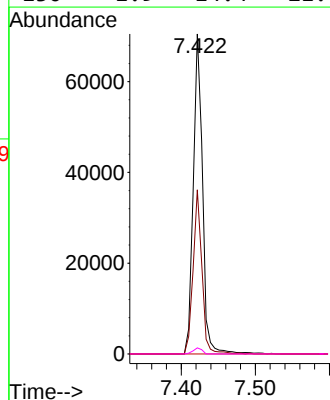
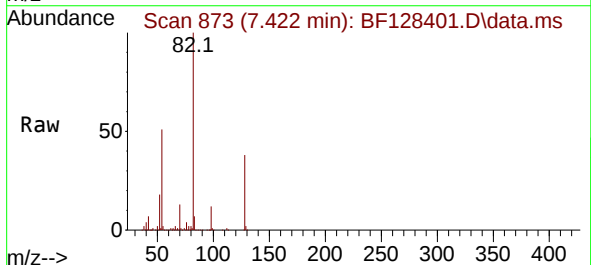
Instrument :
BNA_F
ClientSampleId :
P-2

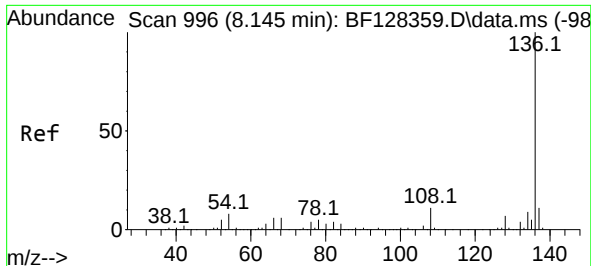
Tgt Ion: 99 Resp: 677787
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 37.7 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.204 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.147 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Tgt Ion: 70 Resp: 61331
Ion Ratio Lower Upper
70 100
42 51.3 48.7 73.1
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#



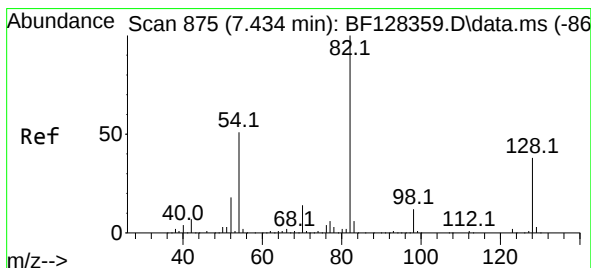
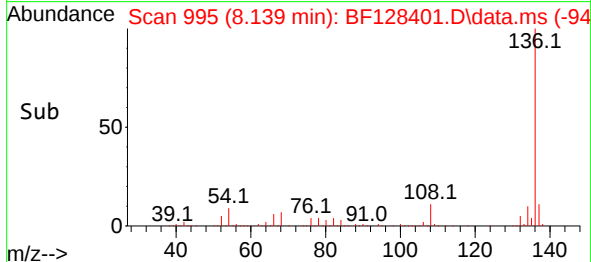
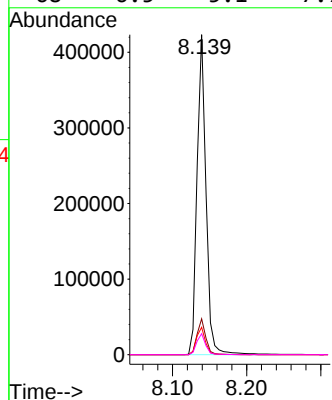
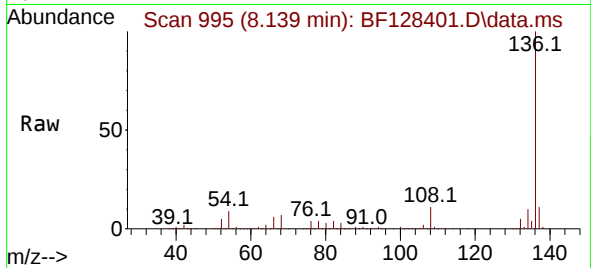


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 996
Delta R.T. -0.006 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion:136 Resp: 355622

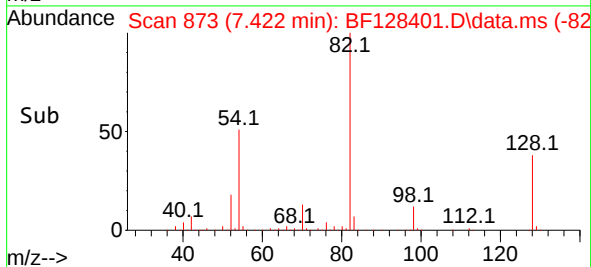
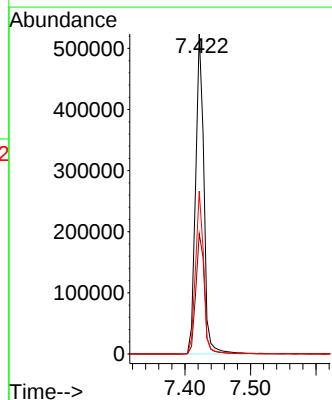
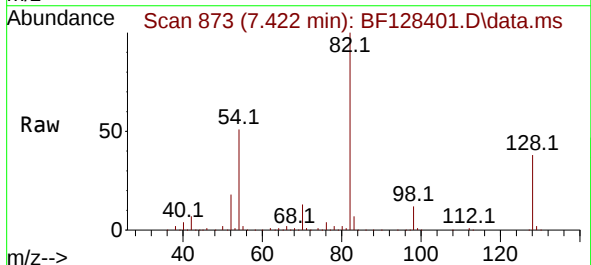
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.6	6.8	10.2
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 58.372 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Tgt Ion: 82 Resp: 463301

Ion	Ratio	Lower	Upper
82	100		
128	37.6	30.0	45.0
54	50.8	41.3	61.9

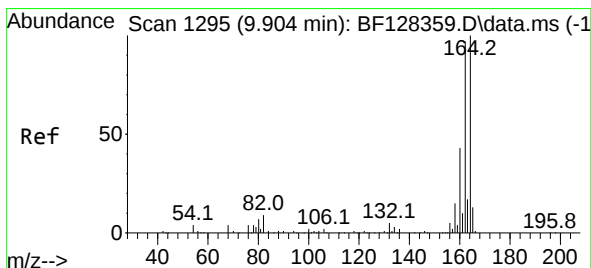
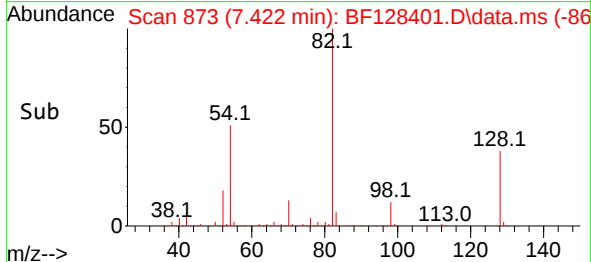
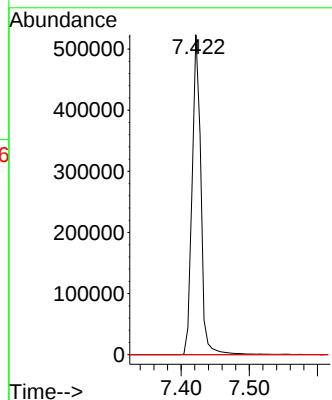
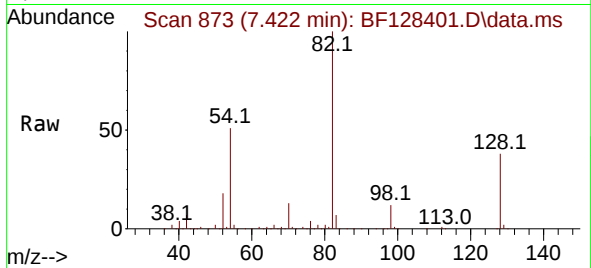




#25
Isophorone
Concen: 38.090 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

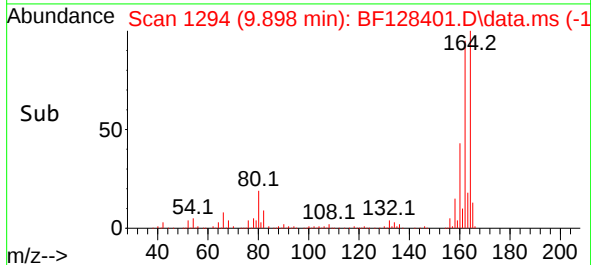
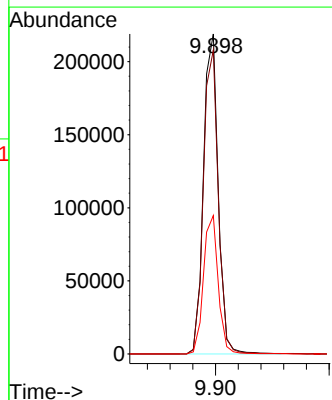
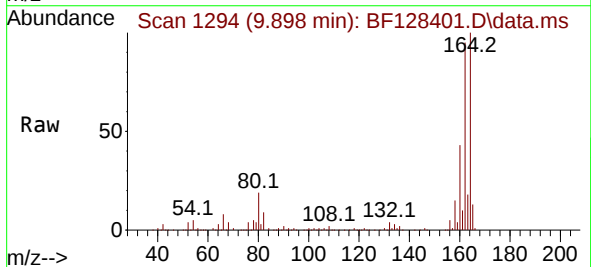
Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion: 82 Resp: 463297
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Tgt Ion: 164 Resp: 196748
Ion Ratio Lower Upper
164 100
162 94.9 76.0 114.0
160 43.2 34.8 52.2

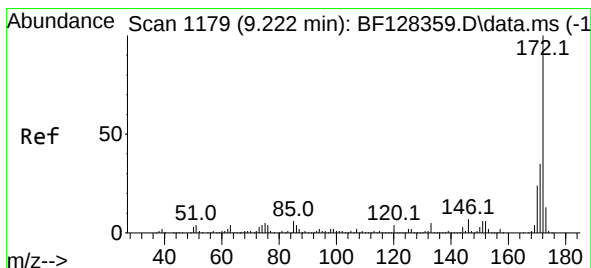
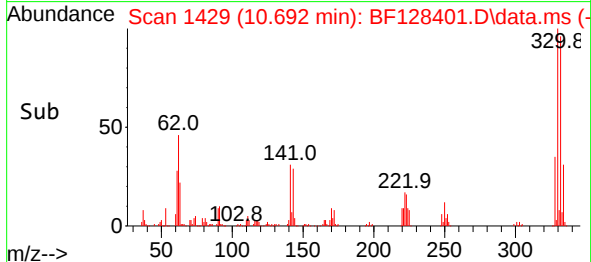
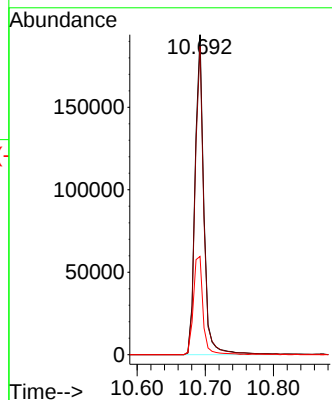
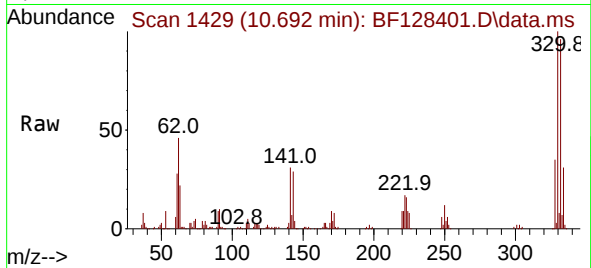




#42
2,4,6-Tribromophenol
Concen: 85.707 ng
RT: 10.692 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

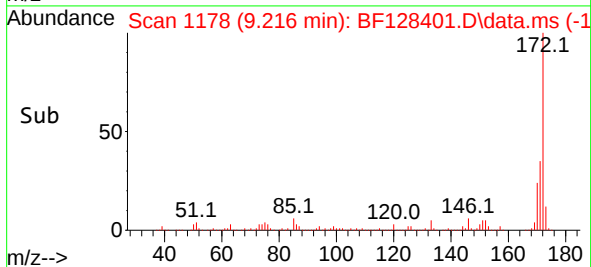
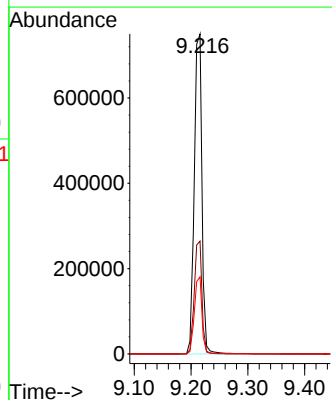
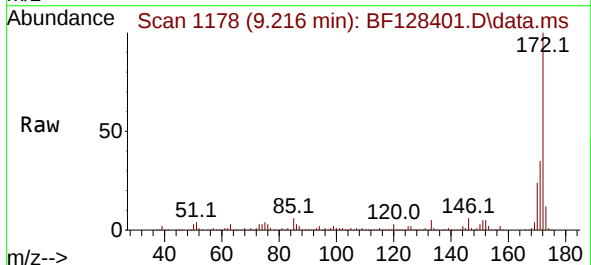
Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion:330 Resp: 173904
Ion Ratio Lower Upper
330 100
332 95.8 79.0 118.4
141 33.8 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 59.055 ng
RT: 9.216 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Tgt Ion:172 Resp: 710495
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 24.1 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.113 ng

RT: 9.898 min Scan# 1294

Delta R.T. 0.206 min

Lab File: BF128401.D

Acq: 23 May 2022 15:34

Instrument :

BNA_F

ClientSampleId :

P-2

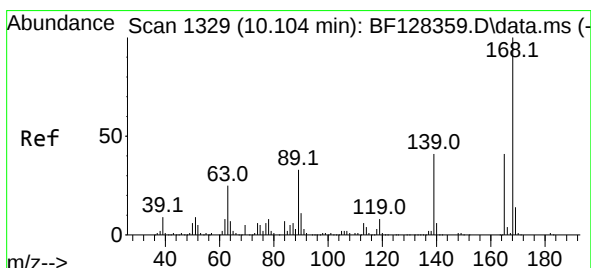
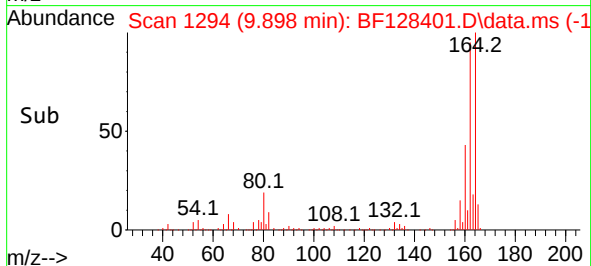
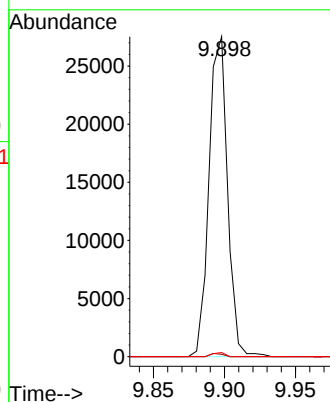
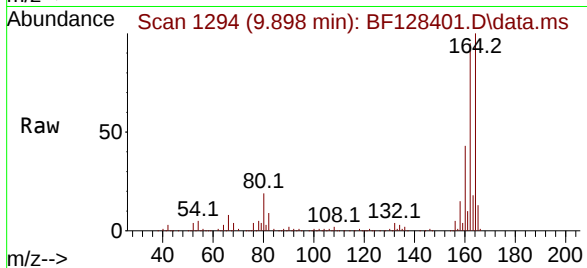
Tgt Ion:165 Resp: 24978

Ion Ratio Lower Upper

165 100

63 0.8 49.5 74.3#

89 1.3 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 7.233 ng

RT: 9.898 min Scan# 1294

Delta R.T. -0.206 min

Lab File: BF128401.D

Acq: 23 May 2022 15:34

Tgt Ion:165 Resp: 24978

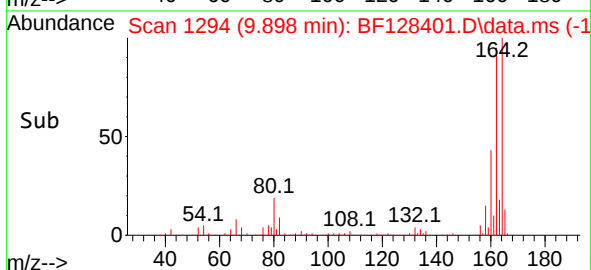
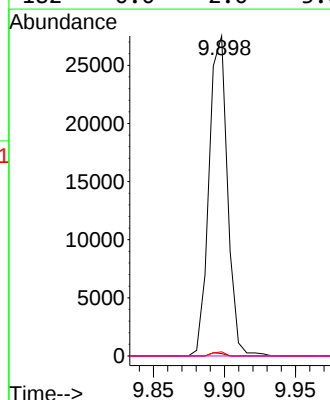
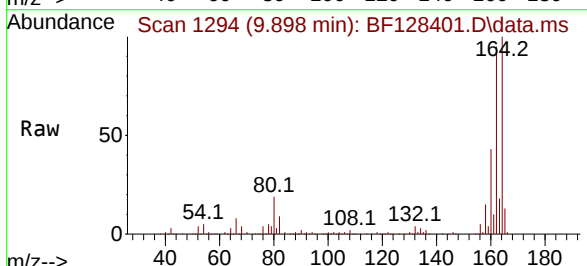
Ion Ratio Lower Upper

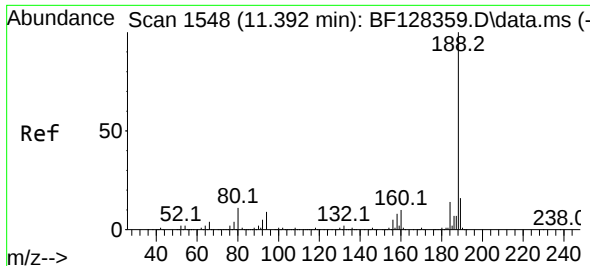
165 100

63 0.8 32.6 49.0#

89 1.3 55.2 82.8#

182 0.0 2.0 3.0#

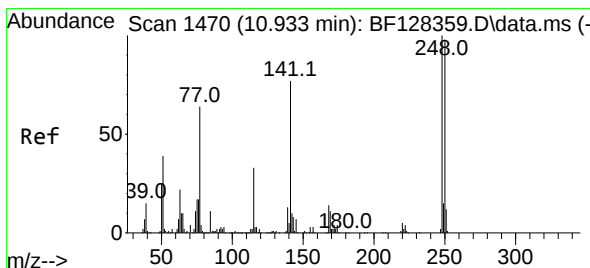
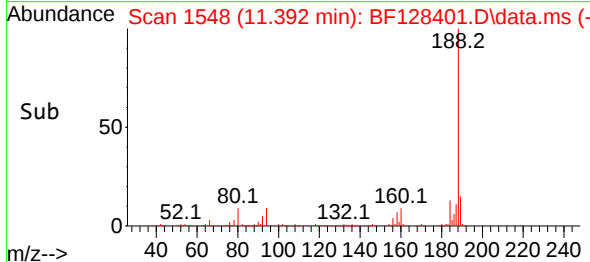
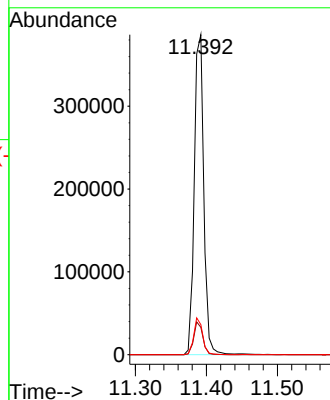
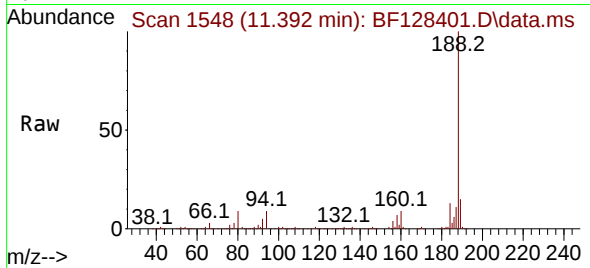




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

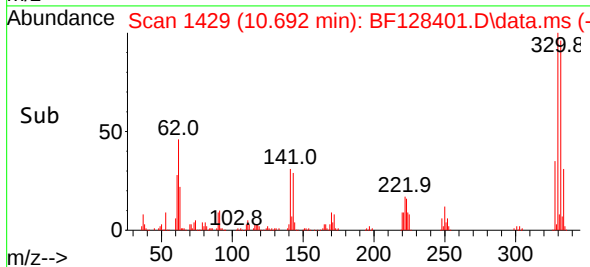
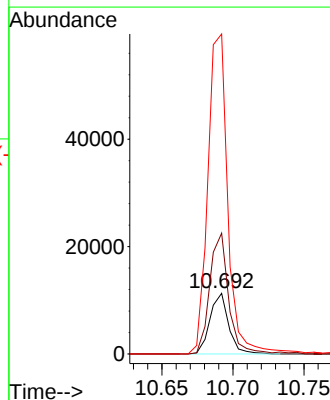
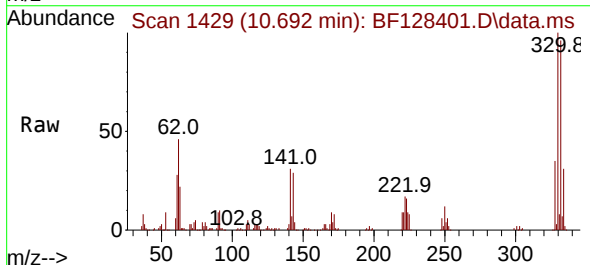
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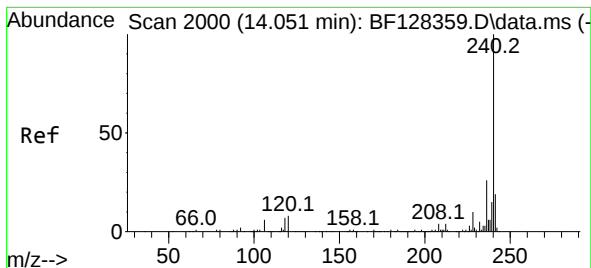
Tgt Ion:188 Resp: 359973
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.4 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.746 ng
RT: 10.692 min Scan# 1429
Delta R.T. -0.241 min
Lab File: BF128401.D
Acq: 23 May 2022 15:34

Tgt Ion:248 Resp: 10345
Ion Ratio Lower Upper
248 100
250 199.2 77.7 116.5#
141 527.6 65.6 98.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.012 min

Lab File: BF128401.D

Acq: 23 May 2022 15:34

Instrument :

BNA_F

ClientSampleId :

P-2

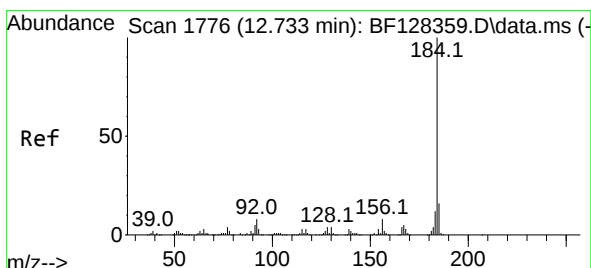
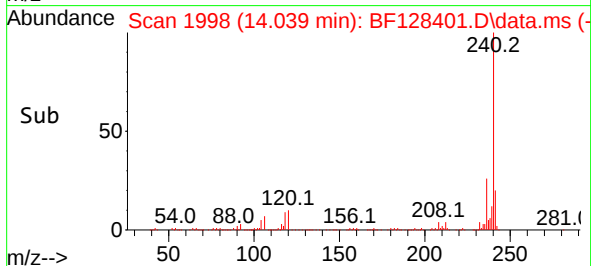
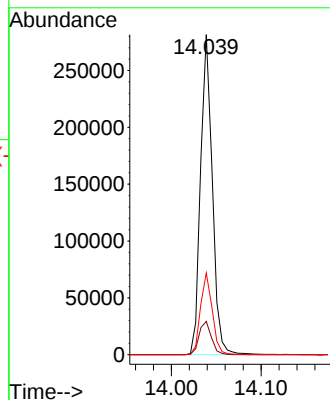
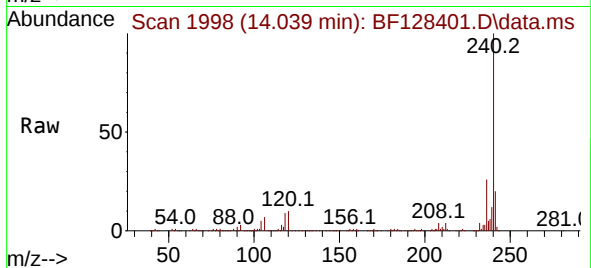
Tgt Ion:240 Resp: 256737

Ion Ratio Lower Upper

240 100

120 10.4 7.0 10.6

236 25.6 20.3 30.5



#77

Benzidine

Concen: 2.068 ng

RT: 12.974 min Scan# 1817

Delta R.T. 0.241 min

Lab File: BF128401.D

Acq: 23 May 2022 15:34

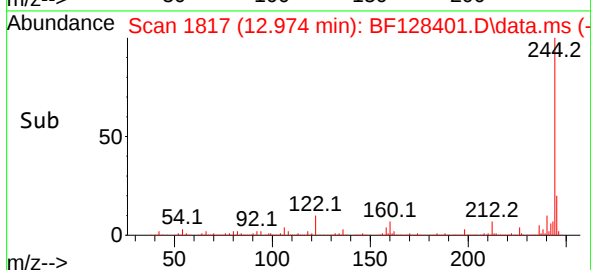
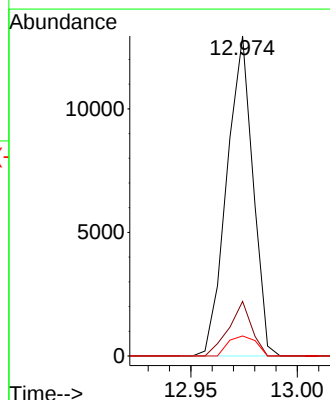
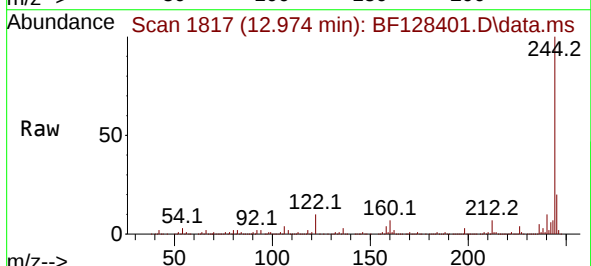
Tgt Ion:184 Resp: 11044

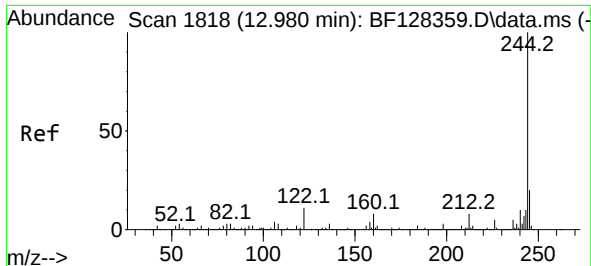
Ion Ratio Lower Upper

184 100

185 17.0 12.1 18.1

183 6.2 9.0 13.4#

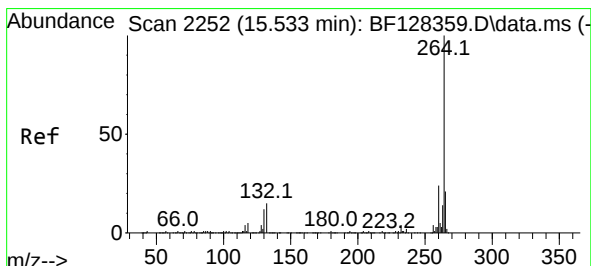
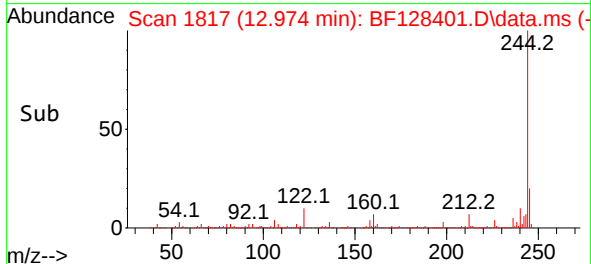
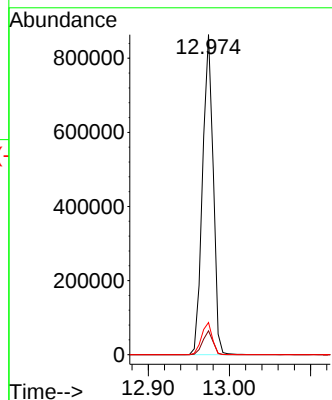
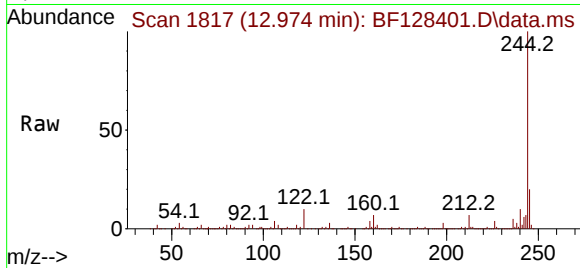




#79
 Terphenyl-d14
 Concen: 59.061 ng
 RT: 12.974 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF128401.D
 Acq: 23 May 2022 15:34

Instrument :
 BNA_F
 ClientSampleId :
 P-2

Tgt Ion:244 Resp: 785480
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 10.0 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2251
 Delta R.T. -0.006 min
 Lab File: BF128401.D
 Acq: 23 May 2022 15:34

Tgt Ion:264 Resp: 190853
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 21.4 17.5 26.3

