

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132722.D
 Acq On : 09 Mar 2023 17:23
 Operator : CG\JU
 Sample : 01833-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 17:46:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

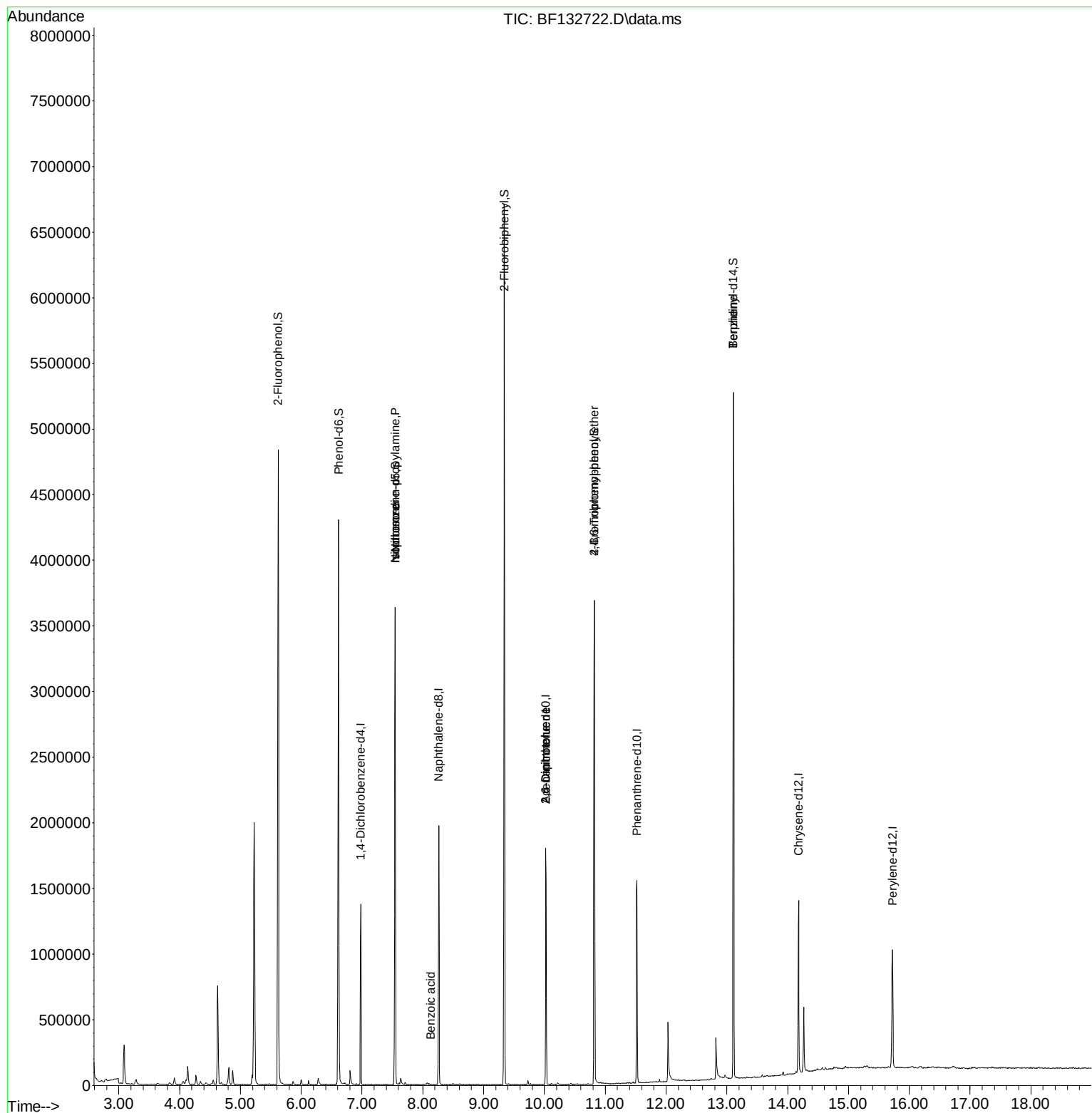
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	195539	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	749024	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	361750	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	599201	20.000	ng	0.00
76) Chrysene-d12	14.180	240	437138	20.000	ng	0.00
86) Perylene-d12	15.721	264	443362	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	1369047	113.631	ng	0.01
7) Phenol-d6	6.616	99	1667514	106.049	ng	0.00
23) Nitrobenzene-d5	7.545	82	1208712	76.562	ng	-0.01
42) 2,4,6-Tribromophenol	10.822	330	453434	116.064	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	1951401	82.137	ng	0.00
79) Terphenyl-d14	13.110	244	1904433	73.659	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.545	70	158357	16.364	ng	# 76
25) Isophorone	7.545	82	1206951	39.875	ng	# 67
32) Benzoic acid	8.134	122	79	3.844	ng	88
51) 2,6-Dinitrotoluene	10.022	165	46661	7.779	ng	# 22
57) 2,4-Dinitrotoluene	10.022	165	46661	5.847	ng	# 21
67) 4-Bromophenyl-phenylether	10.822	248	30442	4.491	ng	# 1
77) Benzidine	13.110	184	26217	2.464	ng	# 91

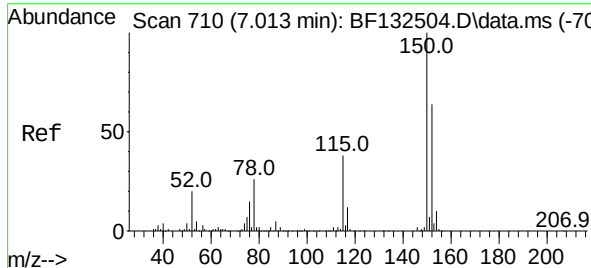
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
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QLast Update : Thu Mar 09 16:26:19 2023
Response via : Initial Calibration

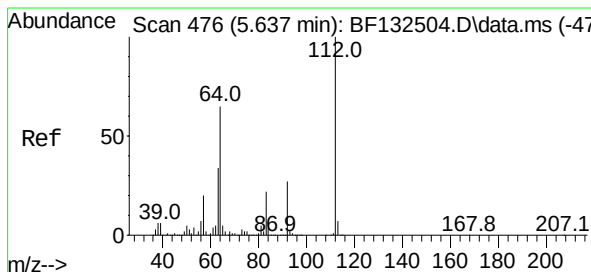
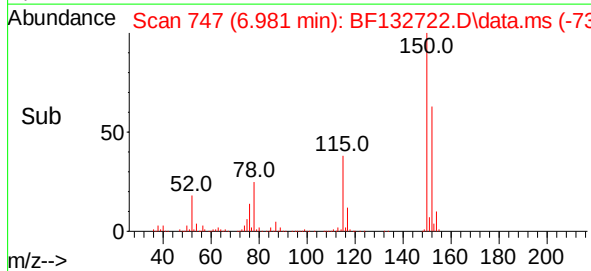
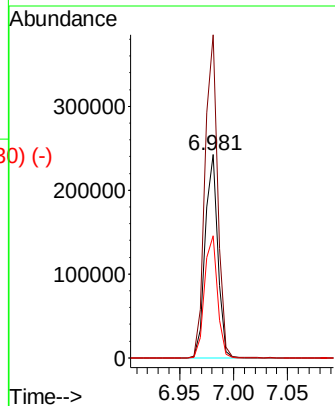
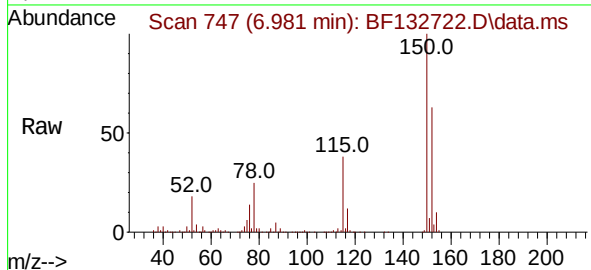




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.981 min Scan#
 Delta R.T. -0.000 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

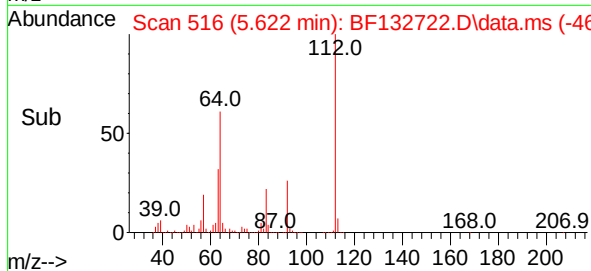
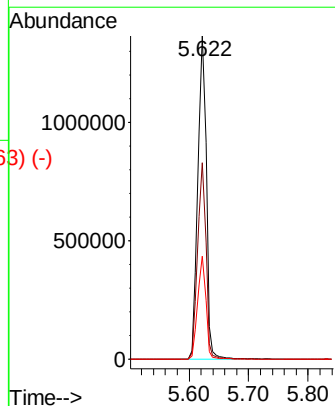
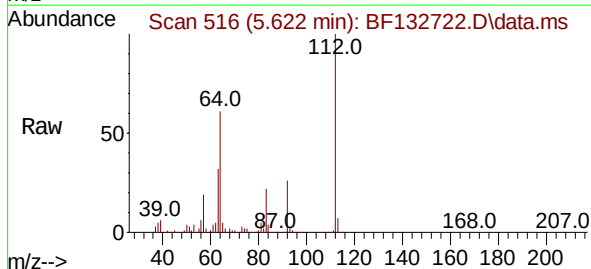
Instrument :
 BNA_F
 ClientSampleId :

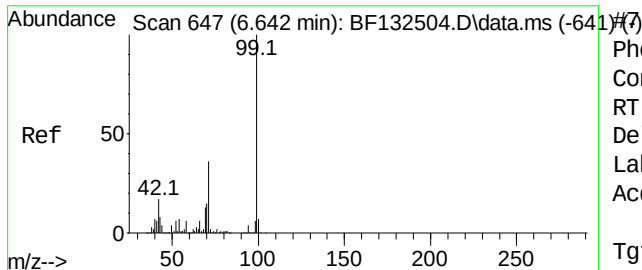
Tgt Ion:152 Resp: 195539
 Ion Ratio Lower Upper
 152 100
 150 158.9 125.4 188.2
 115 60.0 47.8 71.6



2-Fluorophenol
 Concen: 113.631 ng
 RT: 5.622 min Scan# 516
 Delta R.T. 0.012 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

Tgt Ion:112 Resp: 1369047
 Ion Ratio Lower Upper
 112 100
 64 60.8 51.6 77.4
 63 31.9 27.4 41.2



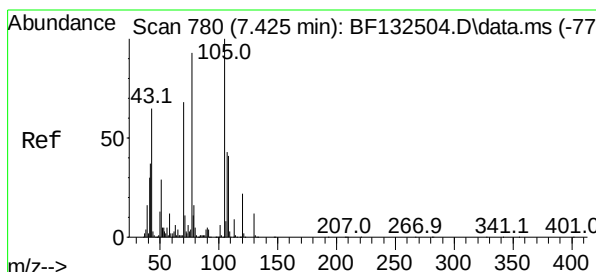
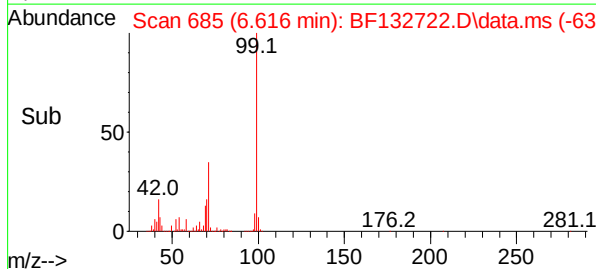
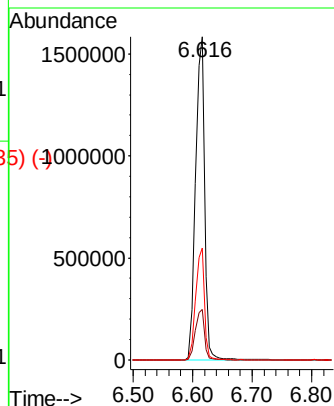
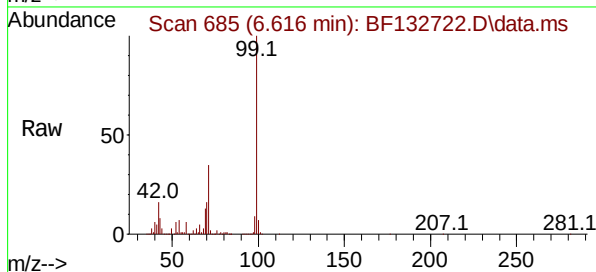


Phenol-d6
 Concen: 106.049 ng
 RT: 6.616 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion: 99 Resp: 1667514

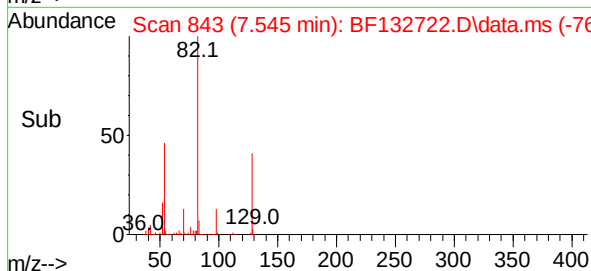
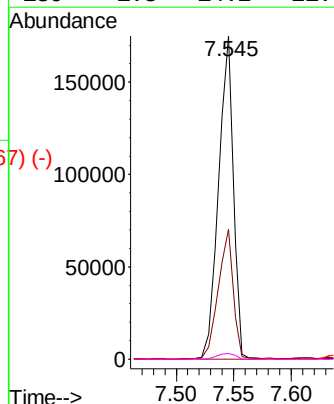
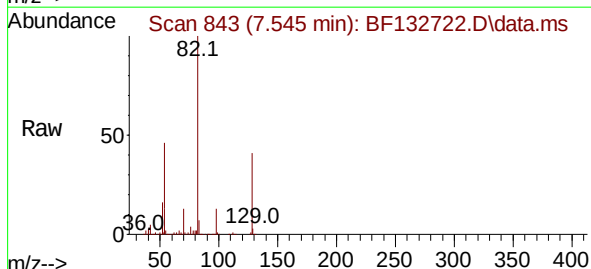
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.9	20.9
71	34.7	28.5	42.7



n-Nitroso-di-n-propylamine
 Concen: 16.364 ng
 RT: 7.545 min Scan# 843
 Delta R.T. 0.147 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

Tgt Ion: 70 Resp: 158357

Ion	Ratio	Lower	Upper
70	100		
42	40.3	44.1	66.1#
101	0.0	7.4	11.2#
130	1.8	14.2	21.4#



Abundance Scan 929 (8.301 min): BF132504.D\data.ms (-922) #21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.263 min Scan# 929

Delta R.T. -0.006 min

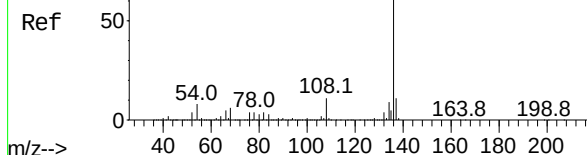
Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 749024

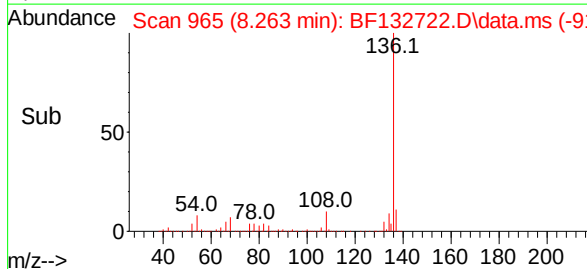
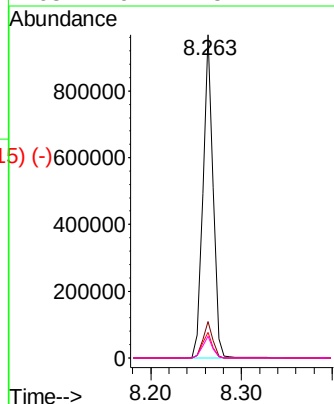
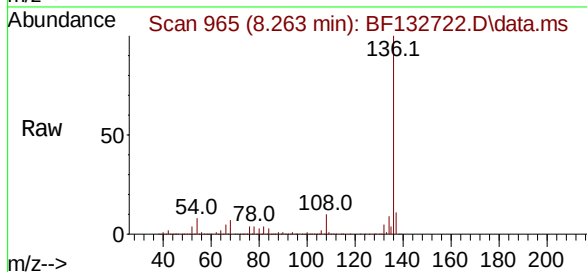
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.8 6.2 9.4

68 6.7 5.2 7.8



Abundance Scan 806 (7.578 min): BF132504.D\data.ms (-800) #23

Nitrobenzene-d5

Concen: 76.562 ng

RT: 7.545 min Scan# 843

Delta R.T. -0.011 min

Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

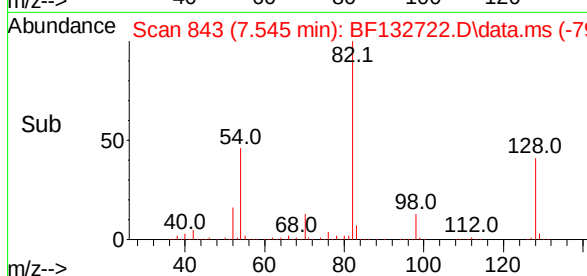
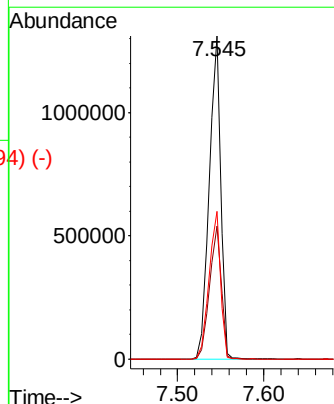
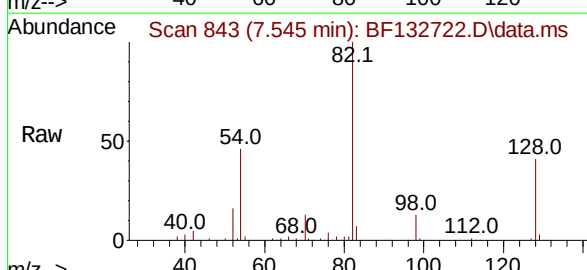
Tgt Ion: 82 Resp: 1208712

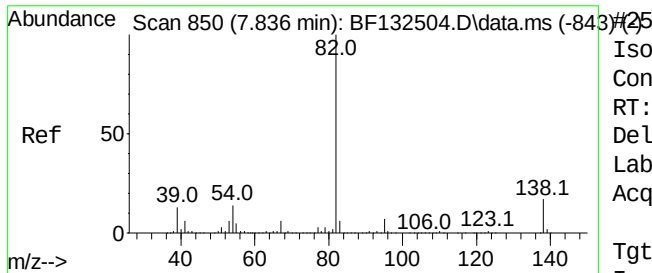
Ion Ratio Lower Upper

82 100

128 41.1 32.2 48.2

54 45.8 38.4 57.6





Isophorone

Concen: 39.875 ng

RT: 7.545 min Scan# 843

Delta R.T. -0.264 min

Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

Instrument :

BNA_F

ClientSampleId :

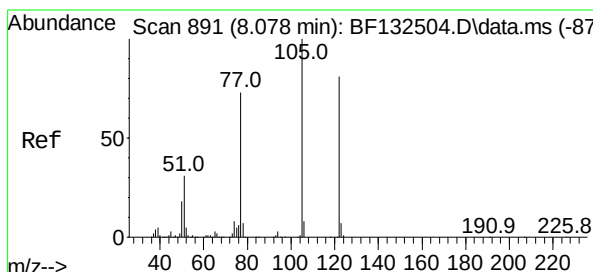
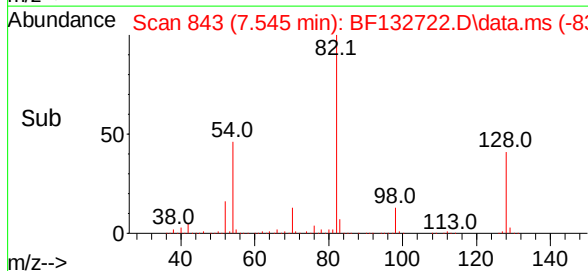
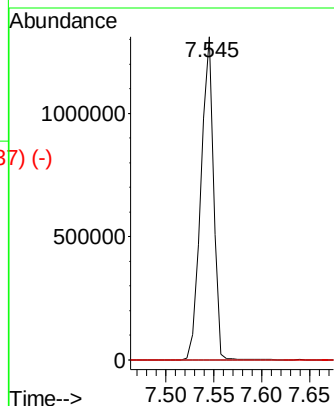
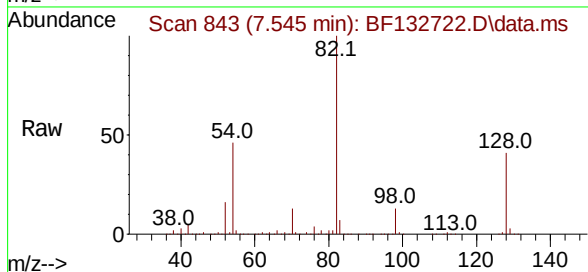
Tgt Ion: 82 Resp: 1206951

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.3 19.9#



Benzoic acid

Concen: 3.844 ng

RT: 8.134 min Scan# 943

Delta R.T. 0.083 min

Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

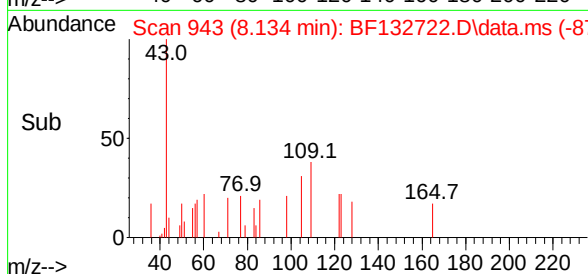
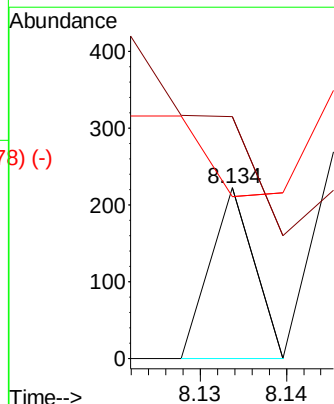
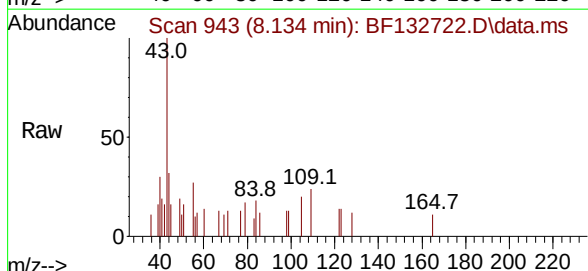
Tgt Ion:122 Resp: 79

Ion Ratio Lower Upper

122 100

105 141.3 102.6 142.6

77 94.6 70.2 110.2



Abundance Scan 1228 (10.060 min): BF132504.D\data.ms (-1228) (-)

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.022 min Scan# 1228

Delta R.T. -0.011 min

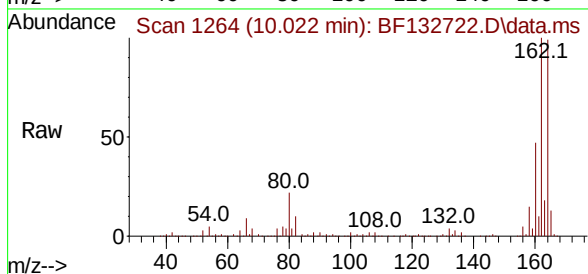
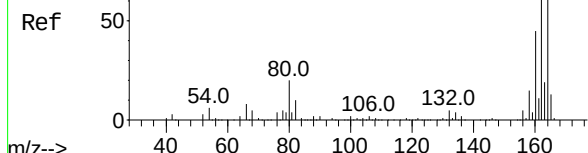
Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

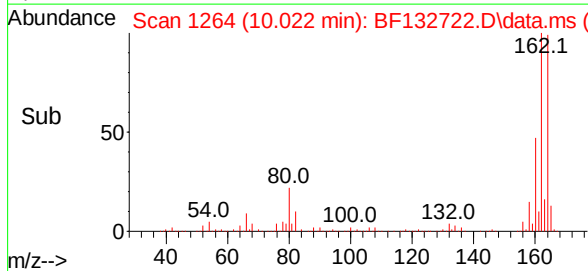
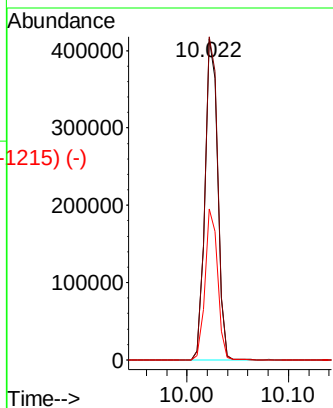
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	164	Resp:	361750
Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.8	119.8
160	47.1	35.8	53.6



Abundance Scan 1364 (10.860 min): BF132504.D\data.ms (-1364) (-)

2,4,6-Tribromophenol

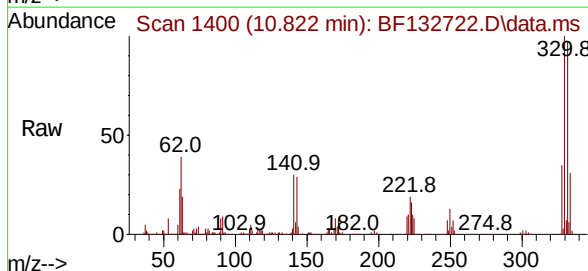
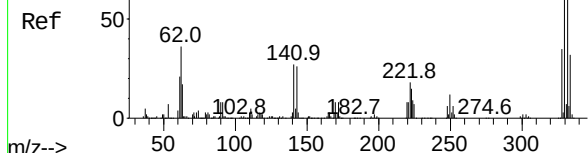
Concen: 116.064 ng

RT: 10.822 min Scan# 1400

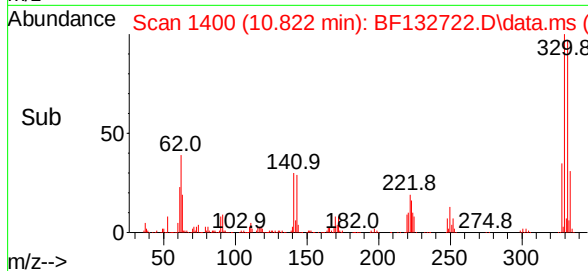
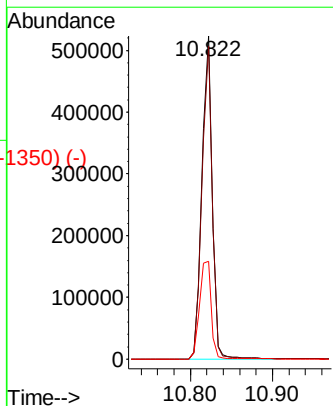
Delta R.T. -0.006 min

Lab File: BF132722.D

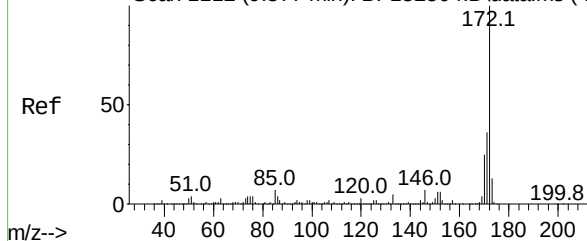
Acq: 09 Mar 2023 17:23



Tgt Ion:	330	Resp:	453434
Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.2	114.4
141	34.0	28.4	42.6



Abundance Scan 1112 (9.377 min): BF132504.D\data.ms (-11024)



2-Fluorobiphenyl

Concen: 82.137 ng

RT: 9.339 min Scan# 1112

Delta R.T. -0.006 min

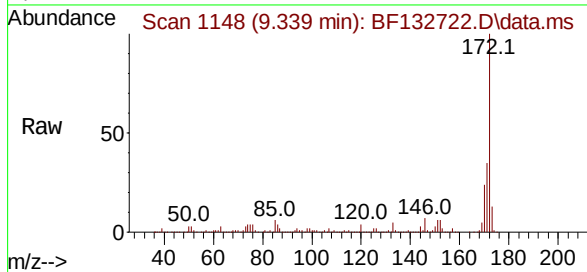
Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

Instrument :

BNA_F

ClientSampleId :



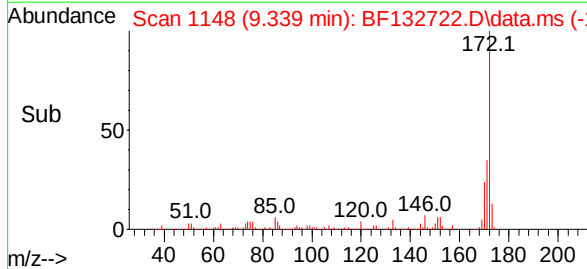
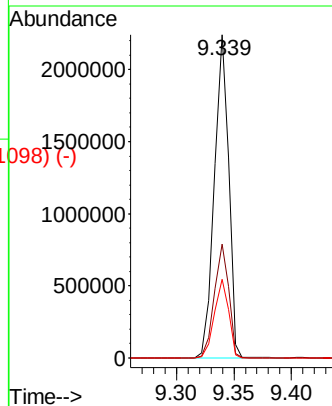
Tgt Ion:172 Resp: 1951401

Ion Ratio Lower Upper

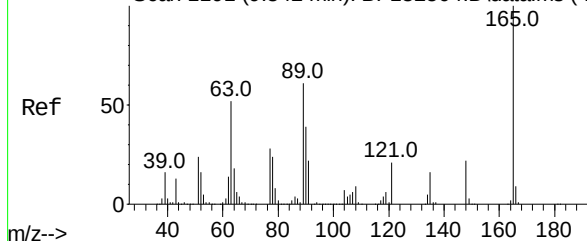
172 100

171 35.2 28.8 43.2

170 24.3 19.7 29.5



Abundance Scan 1191 (9.842 min): BF132504.D\data.ms (-11051)



2,6-Dinitrotoluene

Concen: 7.779 ng

RT: 10.022 min Scan# 1264

Delta R.T. 0.206 min

Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

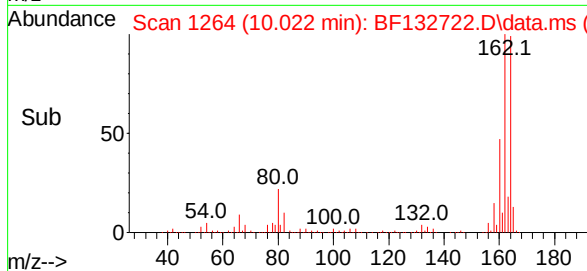
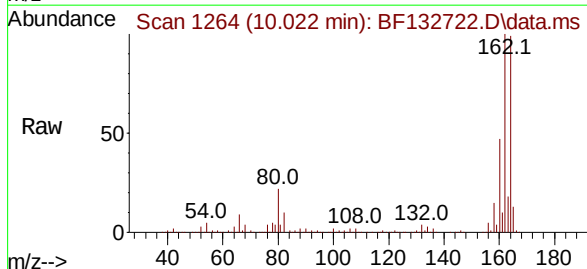
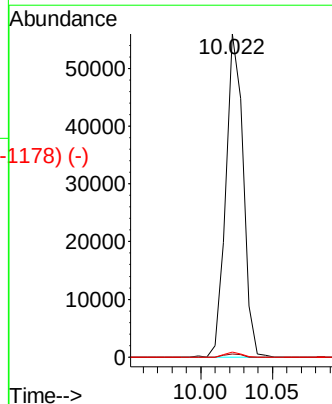
Tgt Ion:165 Resp: 46661

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

89 1.6 48.9 73.3#



Abundance Scan 1260 (10.248 min): BF132504.D\data.ms (-1257) (-)

2,4-Dinitrotoluene

Concen: 5.847 ng

RT: 10.022 min Scan# 1519

Delta R.T. -0.200 min

Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

Instrument :

BNA_F

ClientSampleId :

Ref 50 39.0 63.0 89.0 119.0 165.0

m/z-->

Abundance Scan 1264 (10.022 min): BF132722.D\data.ms

Raw 50 54.0 80.0 108.0 132.0 162.1

m/z-->

Abundance Scan 1264 (10.022 min): BF132722.D\data.ms (-1247) (-)

Sub 50 54.0 80.0 100.0 132.0 162.1

m/z-->

Tgt Ion:165 Resp: 46661

Ion Ratio Lower Upper

165 100

63 1.1 36.5 54.7#

89 1.6 62.4 93.6#

182 0.0 2.1 3.1#

Abundance

50000 10.022

40000

30000

20000

10000

0

Time-->

Abundance Scan 1482 (11.554 min): BF132504.D\data.ms (-1481) (-)

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF132722.D

Acq: 09 Mar 2023 17:23

Ref 50 42.0 80.0 118.0 158.1 188.1 231.9 263.6

m/z-->

Abundance Scan 1519 (11.522 min): BF132722.D\data.ms

Raw 50 42.0 80.0 118.0 158.1 188.1 263.2

m/z-->

Abundance Scan 1519 (11.522 min): BF132722.D\data.ms (-1469) (-)

Sub 50 42.0 80.0 118.0 158.1 188.1 263.1

m/z-->

Tgt Ion:188 Resp: 599201

Ion Ratio Lower Upper

188 100

94 8.4 8.3 12.5

80 8.9 8.7 13.1

Abundance

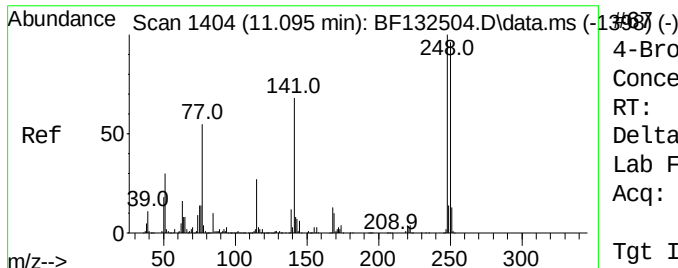
600000 11.522

400000

200000

0

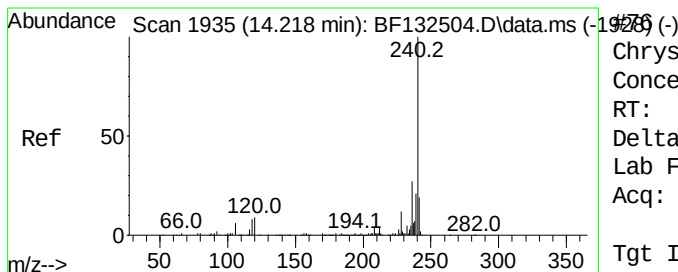
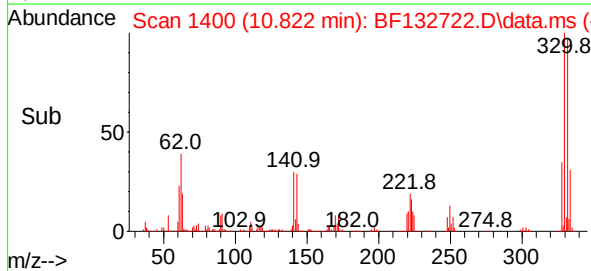
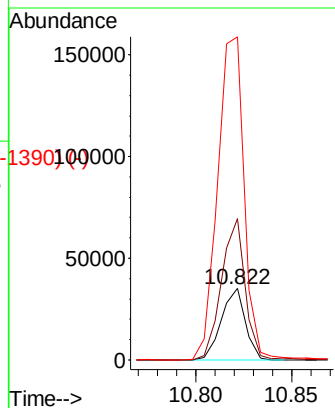
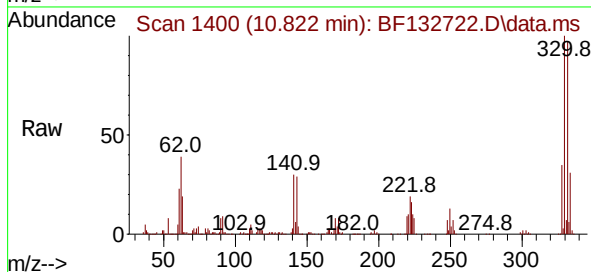
Time-->



4-Bromophenyl-phenylether
 Concen: 4.491 ng
 RT: 10.822 min Scan# 1358
 Delta R.T. -0.241 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

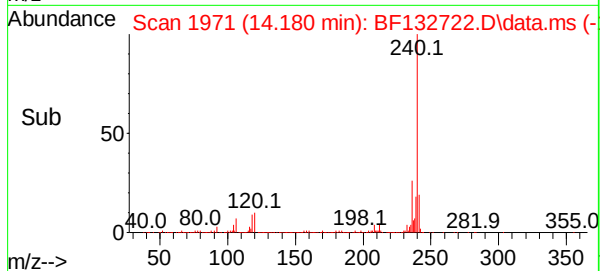
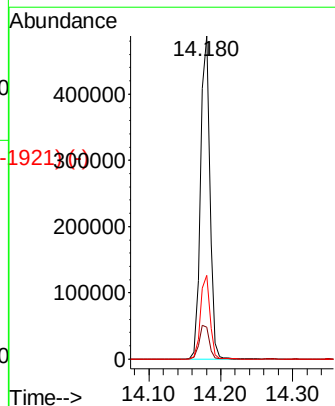
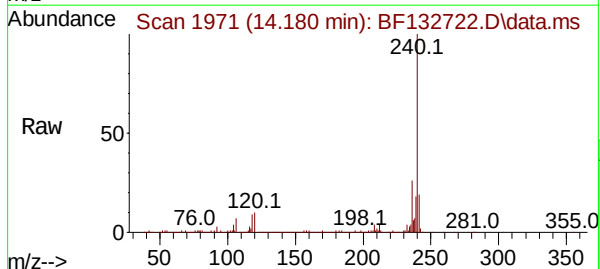
Instrument :
 BNA_F
 ClientSampleId :

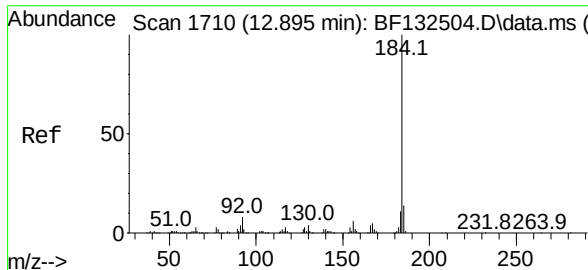
Tgt Ion:248 Resp: 30442
 Ion Ratio Lower Upper
 248 100
 250 198.3 77.0 115.4#
 141 452.4 54.2 81.2#



Chrysene-d12
 Concen: 20.000 ng
 RT: 14.180 min Scan# 1971
 Delta R.T. -0.006 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

Tgt Ion:240 Resp: 437138
 Ion Ratio Lower Upper
 240 100
 120 10.0 7.2 10.8
 236 26.0 21.8 32.6

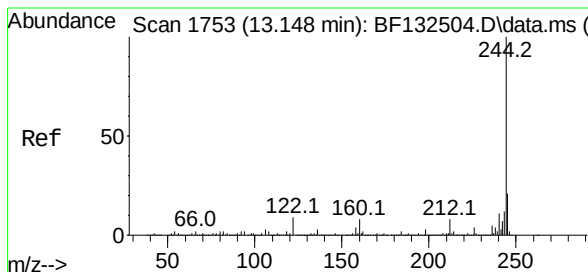
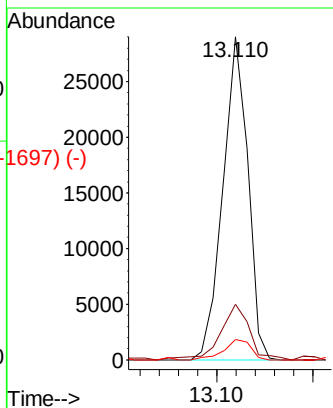
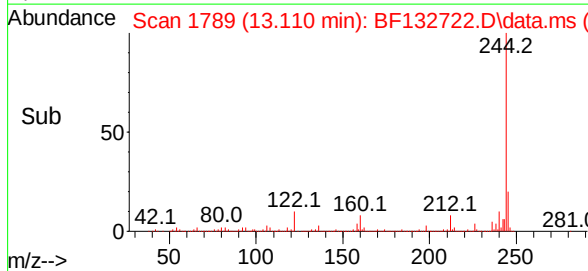
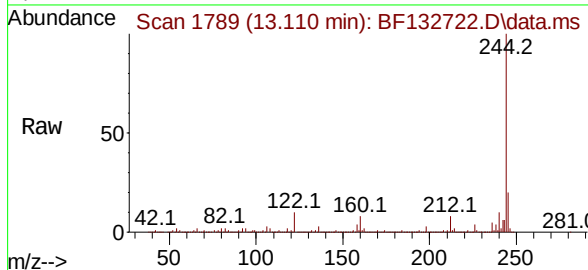




Benzidine
 Concen: 2.464 ng
 RT: 13.110 min Scan# 1710
 Delta R.T. 0.241 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

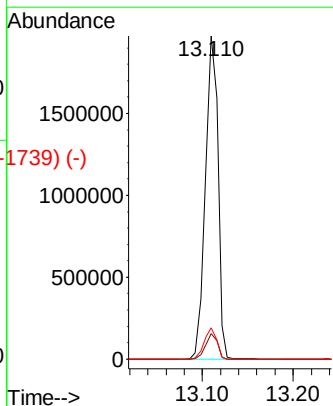
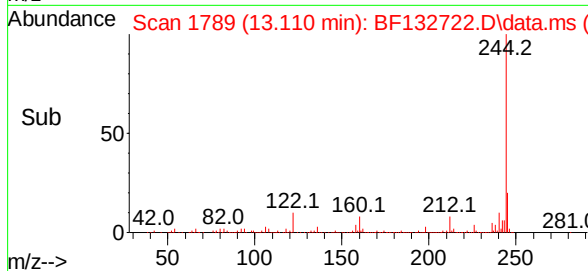
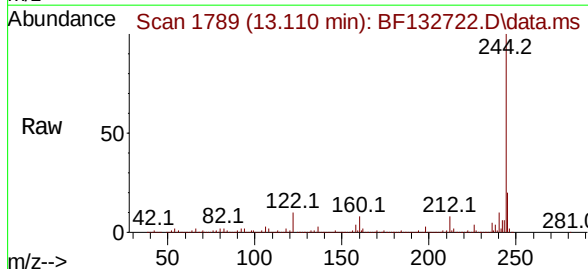
Instrument :
 BNA_F
 ClientSampleId :

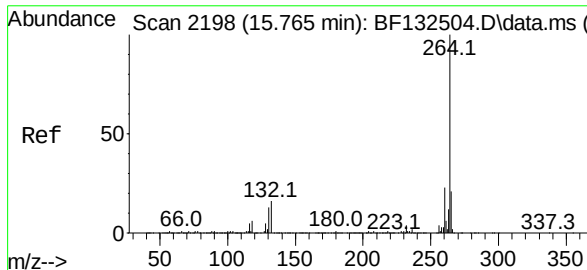
Tgt Ion:	184	Resp:	26217
Ion	Ratio	Lower	Upper
184	100		
185	17.3	11.7	17.5
183	6.3	8.7	13.1#



Terphenyl-d14
 Concen: 73.659 ng
 RT: 13.110 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

Tgt Ion:	244	Resp:	1904433
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	9.6	7.5	11.3





Perylene-d12
 Concen: 20.000 ng
 RT: 15.721 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF132722.D
 Acq: 09 Mar 2023 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:	264	Resp:	443362
Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.8	28.2
265	21.9	17.1	25.7

