

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136535.D
 Acq On : 13 Dec 2023 13:37
 Operator : CG\JU
 Sample : 05745-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 13 13:57:28 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)

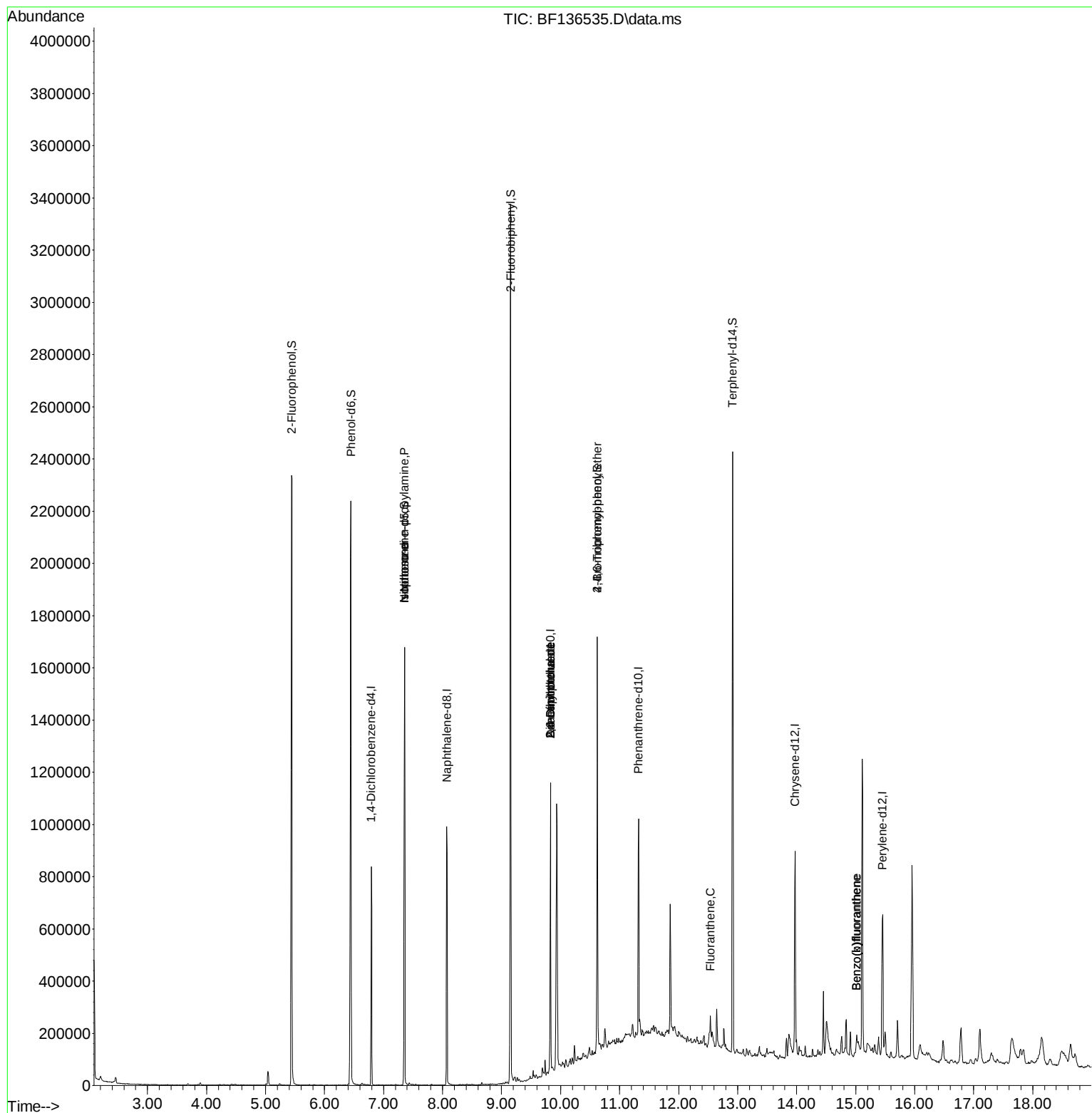
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	121701	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	454725	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	208655	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	309404	20.000	ng	0.00
76) Chrysene-d12	13.974	240	245441	20.000	ng	0.00
86) Perylene-d12	15.457	264	270924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	732882	88.934	ng	0.01
7) Phenol-d6	6.445	99	902535	87.782	ng	0.00
23) Nitrobenzene-d5	7.357	82	535385	63.650	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	200641	77.987	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	989658	64.719	ng	-0.01
79) Terphenyl-d14	12.916	244	781684	41.977	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	655	Below Cal		Qvalue 95
19) n-Nitroso-di-n-propyla...	7.357	70	69253	11.677 ng	#	75
25) Isophorone	7.357	82	535379	35.427 ng	#	65
50) Dimethylphthalate	9.828	163	40782	2.655 ng	#	1
51) 2,6-Dinitrotoluene	9.828	165	27136	7.852 ng	#	29
57) 2,4-Dinitrotoluene	9.828	165	27539	6.024 ng	#	28
67) 4-Bromophenyl-phenylether	10.622	248	12533	3.484 ng	#	1
75) Fluoranthene	12.539	202	36862	2.068 ng		95
77) Benzidine	12.669	184	372	Below Cal	#	1
88) Benzo(b)fluoranthene	15.015	252	51219	2.765 ng	#	94
89) Benzo(k)fluoranthene	15.015	252	51219	2.934 ng	#	94

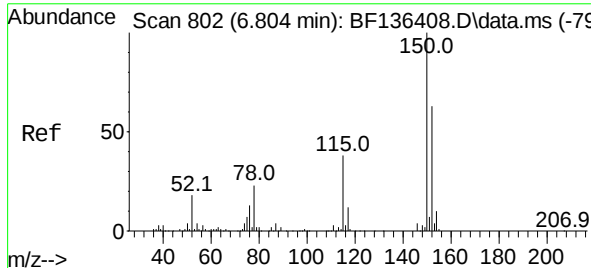
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

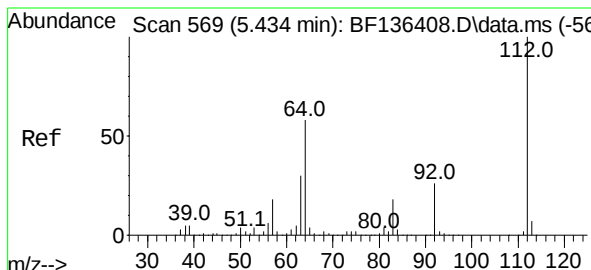
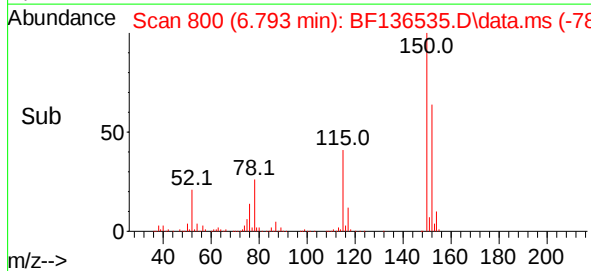
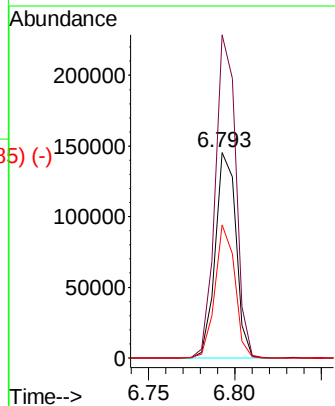
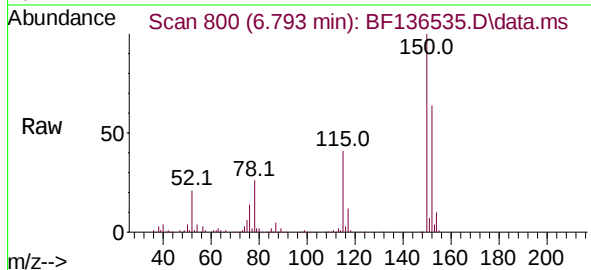




1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

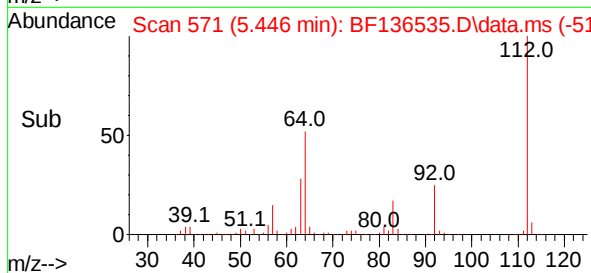
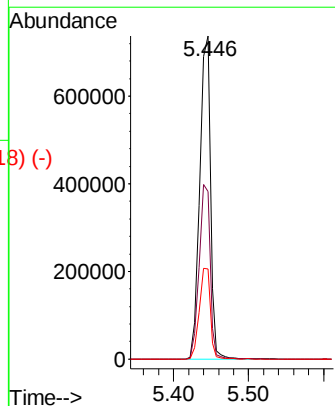
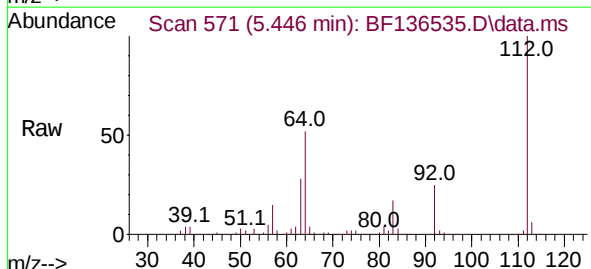
Instrument :
BNA_F
ClientSampleId :
WC-1

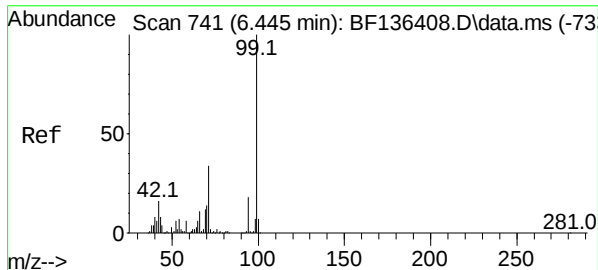
Tgt Ion:152 Resp: 121701
Ion Ratio Lower Upper
152 100
150 157.2 126.4 189.6
115 64.7 48.2 72.4



2-Fluorophenol
Concen: 88.934 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

Tgt Ion:112 Resp: 732882
Ion Ratio Lower Upper
112 100
64 51.9 46.5 69.7
63 27.9 23.9 35.9





Phenol-d6

Concen: 87.782 ng

RT: 6.445 min Scan#

Delta R.T. 0.000 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Instrument :

BNA_F

ClientSampleId :

WC-1

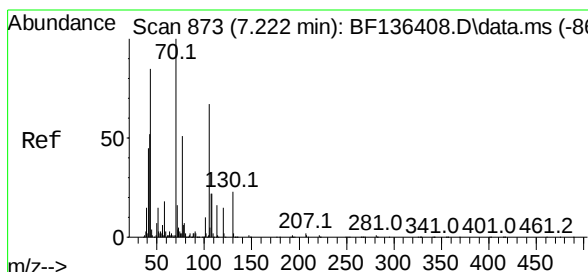
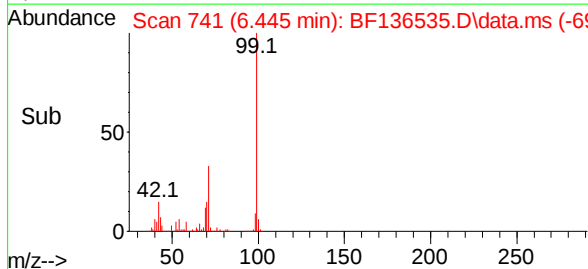
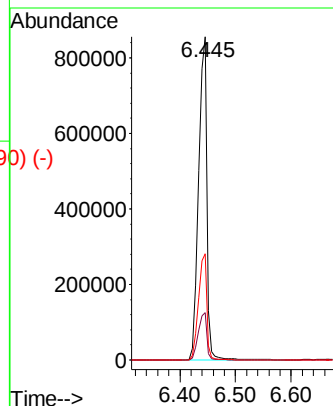
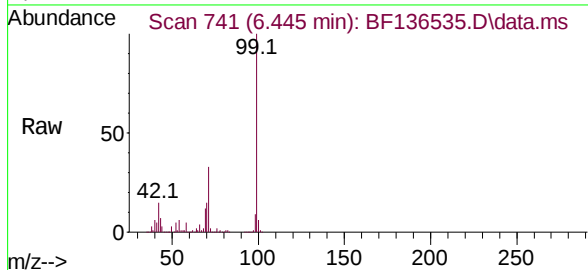
Tgt Ion: 99 Resp: 902535

Ion Ratio Lower Upper

99 100

42 14.7 12.8 19.2

71 32.8 27.0 40.4



n-Nitroso-di-n-propylamine

Concen: 11.677 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.135 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Tgt Ion: 70 Resp: 69253

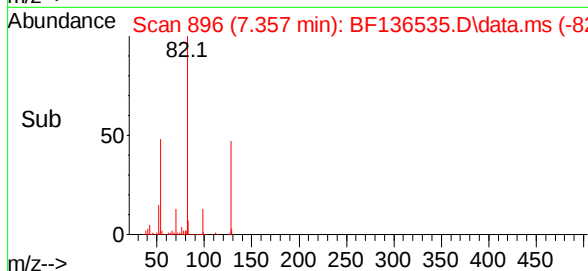
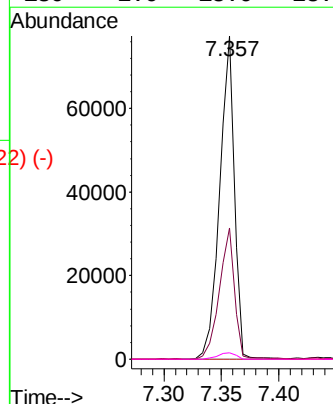
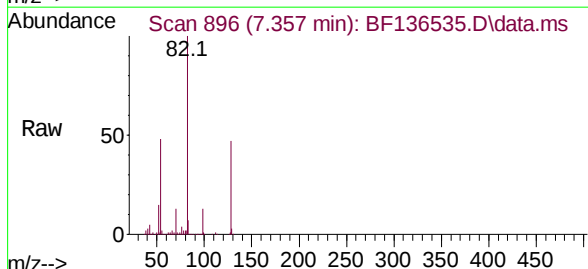
Ion Ratio Lower Upper

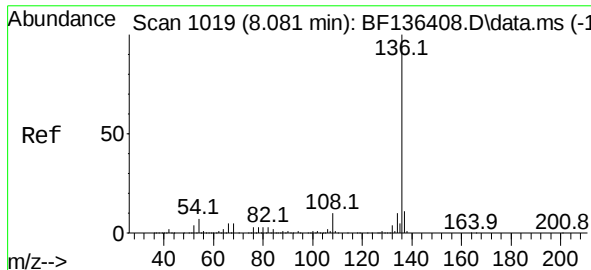
70 100

42 40.7 41.4 62.0#

101 0.0 8.2 12.4#

130 2.0 18.6 28.0#

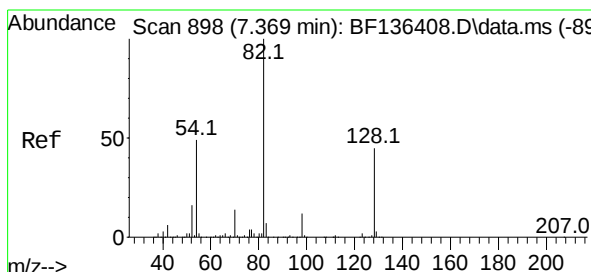
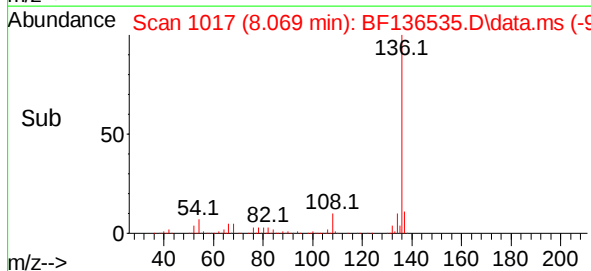
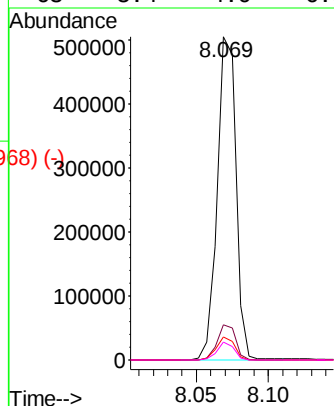
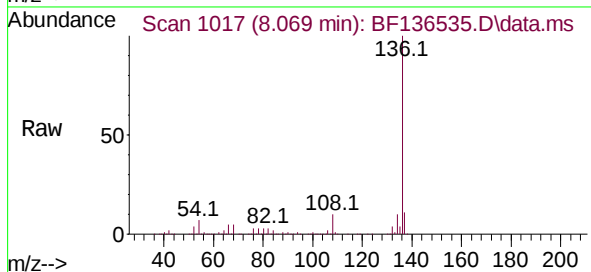




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

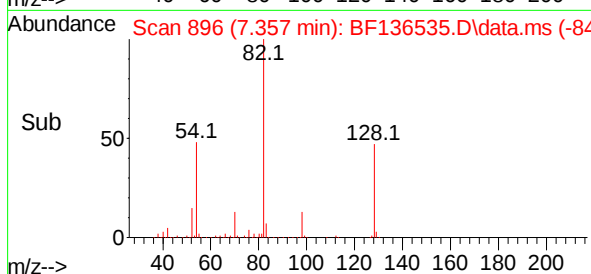
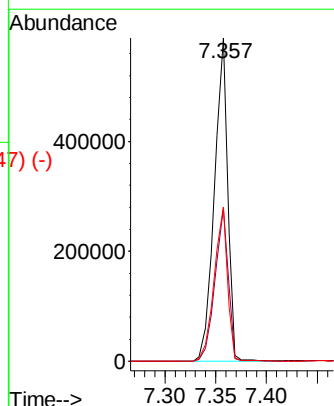
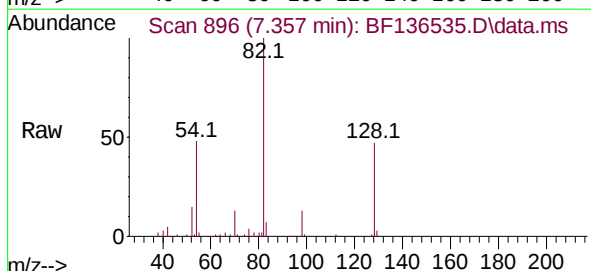
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:	136	Resp:	454725
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.2	5.7	8.5
68	5.4	4.0	6.0

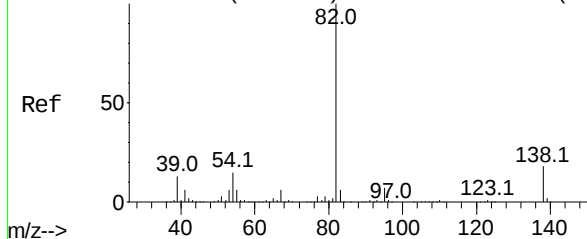


#23
Nitrobenzene-d5
Concen: 63.650 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

Tgt Ion:	82	Resp:	535385
Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.3	54.5
54	47.7	39.0	58.6



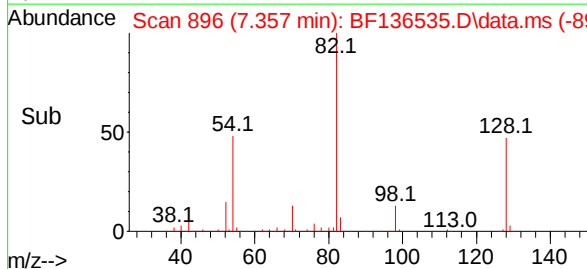
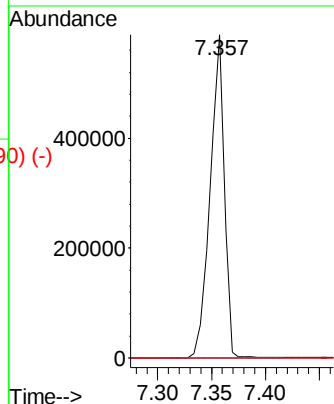
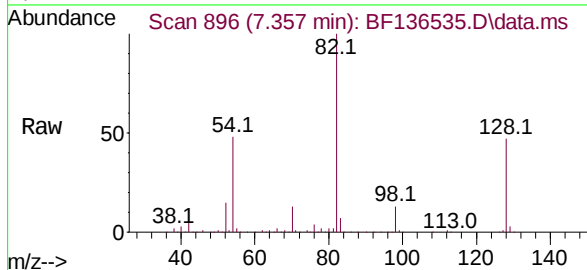
Abundance Scan 941 (7.622 min): BF136408.D\data.ms (-934)#25



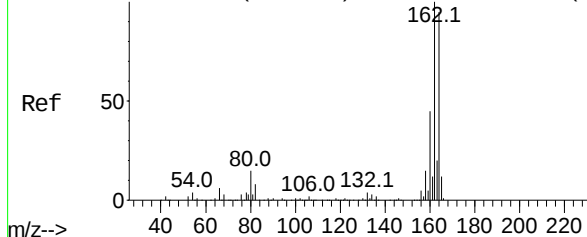
Isophorone
Concen: 35.427 ng
RT: 7.357 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

Instrument :
BNA_F
ClientSampleId :
WC-1

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

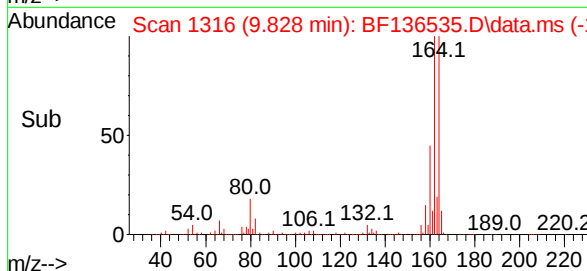
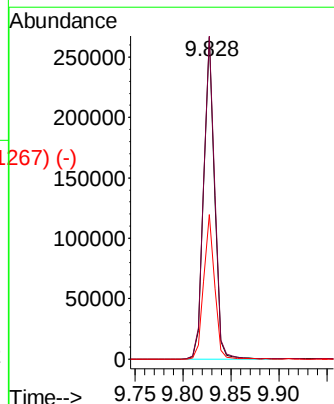
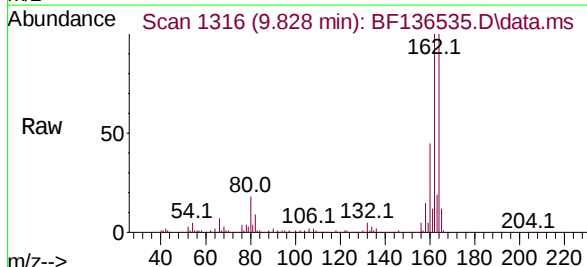


Abundance Scan 1318 (9.839 min): BF136408.D\data.ms (-1312)#39



Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	84.4	126.6
160	44.9	37.6	56.4



Abundance Scan 1453 (10.633 min): BF136408.D\data.ms (-1443)

2,4,6-Tribromophenol

Concen: 77.987 ng

RT: 10.622 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:330 Resp: 200641

Ion Ratio Lower Upper

330 100

332 96.8 76.4 114.6

141 28.7 23.4 35.2

Abundance Scan 1451 (10.622 min): BF136535.D\data.ms

Ref

Raw

Sub

m/z-->

Abundance Scan 1451 (10.622 min): BF136535.D\data.ms (-140215)

Ref

Raw

Sub

m/z-->

Abundance

10.622

200000

150000

100000

50000

0

Time-->

10.60 10.70

Abundance Scan 1203 (9.163 min): BF136408.D\data.ms (-119615)

2-Fluorobiphenyl

Concen: 64.719 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Tgt Ion:172 Resp: 989658

Ion Ratio Lower Upper

172 100

171 36.9 30.5 45.7

170 24.1 19.9 29.9

Abundance Scan 1201 (9.151 min): BF136535.D\data.ms

Ref

Raw

Sub

m/z-->

Abundance Scan 1201 (9.151 min): BF136535.D\data.ms (-1152)

Ref

Raw

Sub

m/z-->

Abundance

9.151

1000000

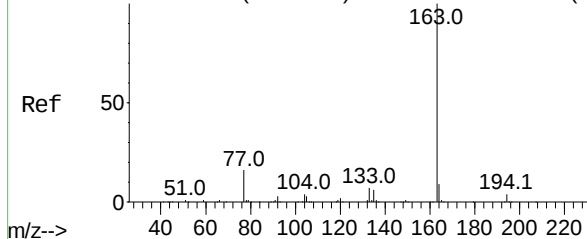
500000

0

Time-->

9.10 9.20 9.30

Abundance Scan 1272 (9.569 min): BF136408.D\data.ms (-1275)



Dimethylphthalate

Concen: 2.655 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:163 Resp: 40782

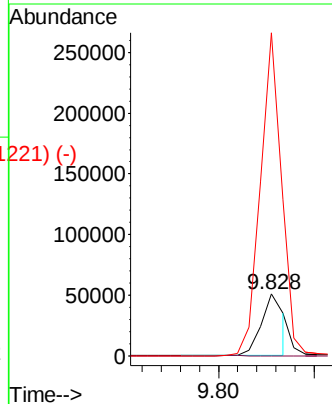
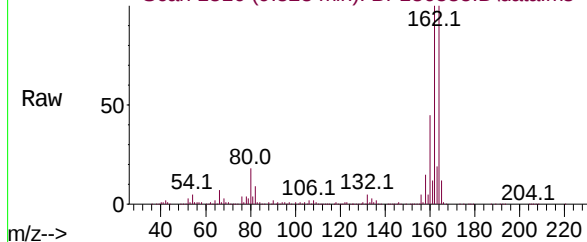
Ion Ratio Lower Upper

163 100

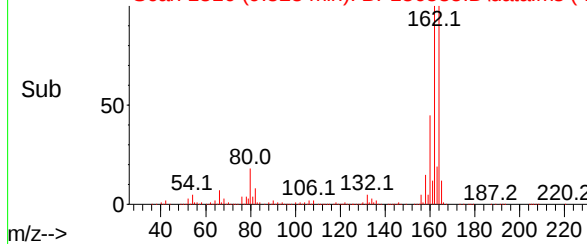
194 0.0 3.0 4.6#

164 520.5 7.4 11.2#

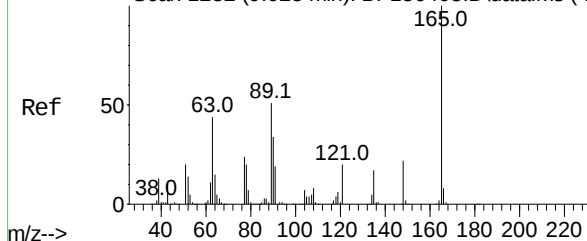
Abundance Scan 1316 (9.828 min): BF136535.D\data.ms



Abundance Scan 1316 (9.828 min): BF136535.D\data.ms (-1221) (-)



Abundance Scan 1282 (9.628 min): BF136408.D\data.ms (-1275)



2,6-Dinitrotoluene

Concen: 7.852 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Tgt Ion:165 Resp: 27136

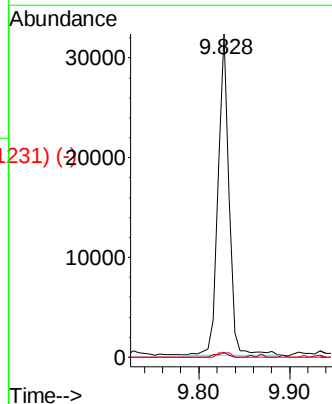
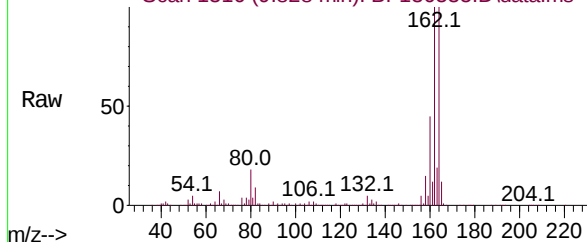
Ion Ratio Lower Upper

165 100

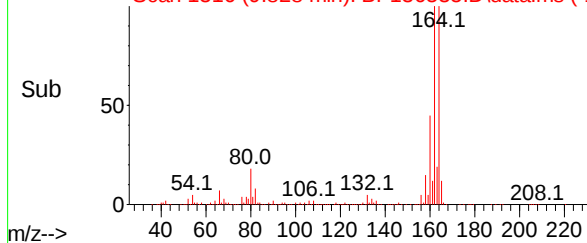
63 1.5 40.4 60.6#

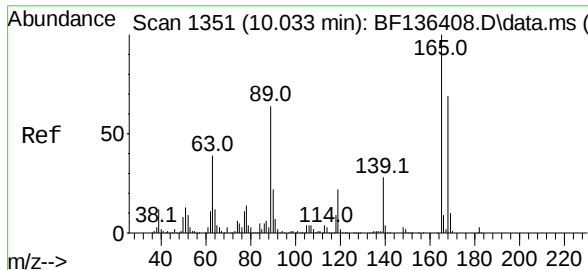
89 1.2 40.6 60.8#

Abundance Scan 1316 (9.828 min): BF136535.D\data.ms



Abundance Scan 1316 (9.828 min): BF136535.D\data.ms (-1231) (-)

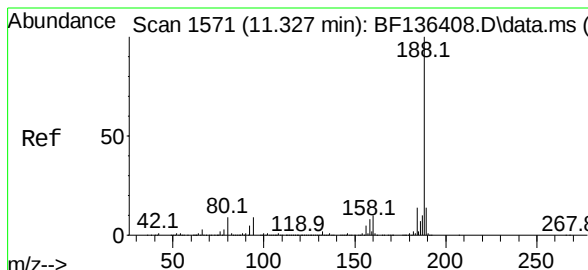
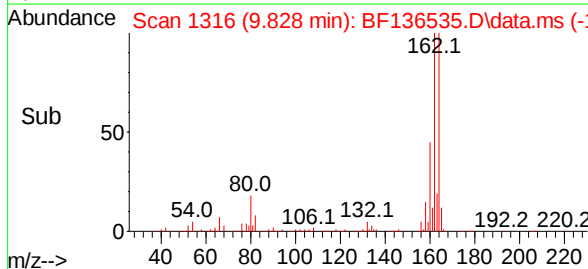
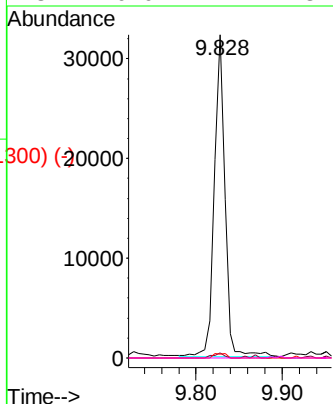
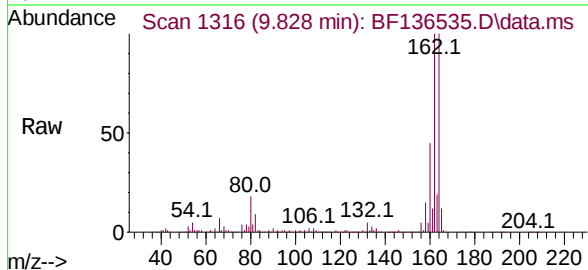




2,4-Dinitrotoluene
Concen: 6.024 ng
RT: 9.828 min Scan# 1351
Delta R.T. -0.206 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

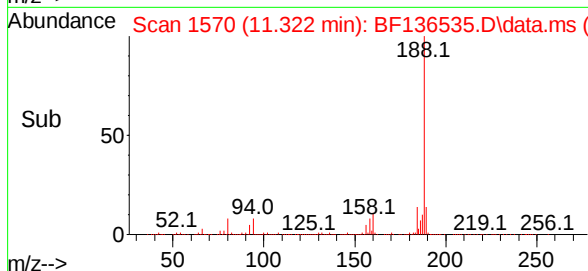
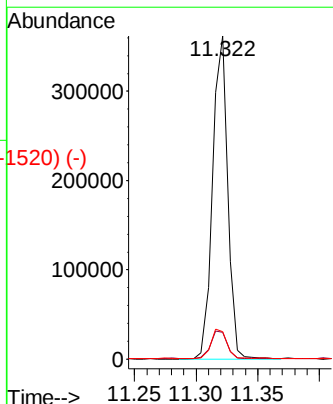
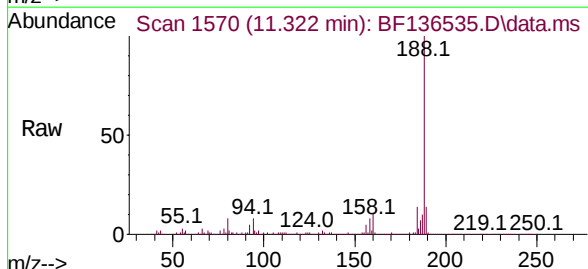
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:	165	Resp:	27539
Ion	Ratio	Lower	Upper
165	100		
63	1.5	31.4	47.2#
89	1.2	51.7	77.5#
182	0.0	2.2	3.2#



Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136535.D
Acq: 13 Dec 2023 13:37

Tgt Ion:	188	Resp:	309404
Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	8.5	7.2	10.8



Abundance Scan 1494 (10.875 min): BF136408.D\data.ms (-1487) (-)

4-Bromophenyl-phenylether

Concen: 3.484 ng

RT: 10.622 min Scan# 1487

Delta R.T. -0.253 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:248 Resp: 12533

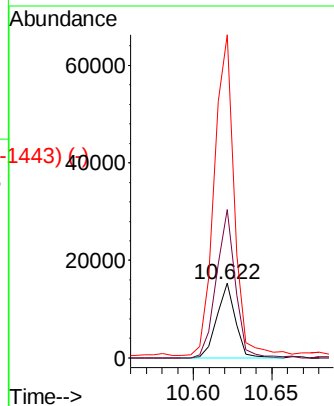
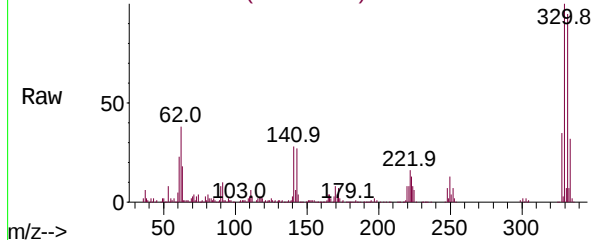
Ion Ratio Lower Upper

248 100

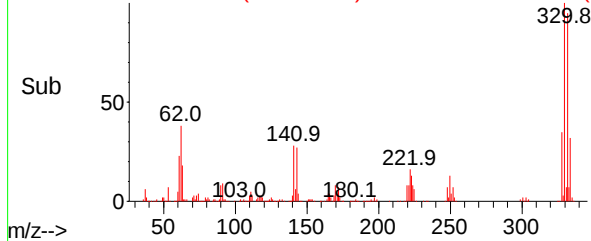
250 198.3 76.2 114.2#

141 432.4 51.0 76.4#

Abundance Scan 1451 (10.622 min): BF136535.D\data.ms



Abundance Scan 1451 (10.622 min): BF136535.D\data.ms (-1443) (-)



Abundance Scan 1778 (12.545 min): BF136408.D\data.ms (-1775) (-)

Fluoranthene

Concen: 2.068 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Tgt Ion:202 Resp: 36862

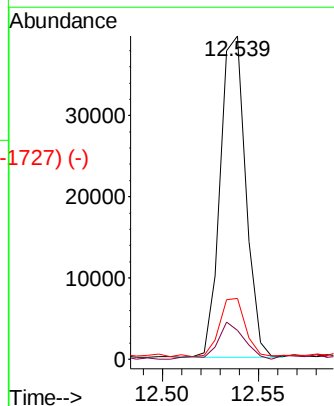
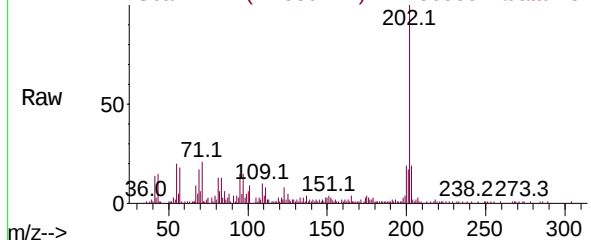
Ion Ratio Lower Upper

202 100

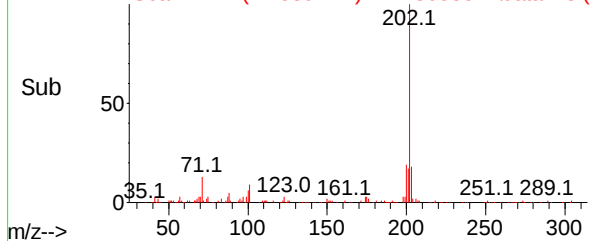
101 8.8 0.0 29.9

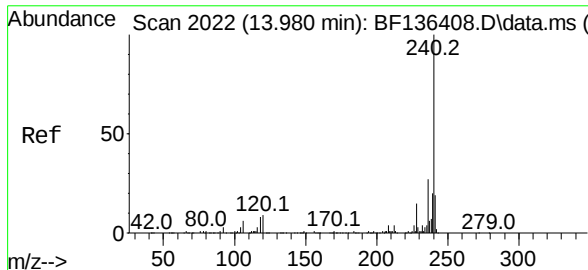
203 18.9 0.0 36.3

Abundance Scan 1777 (12.539 min): BF136535.D\data.ms



Abundance Scan 1777 (12.539 min): BF136535.D\data.ms (-1727) (-)





Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

Instrument :

BNA_F

ClientSampleId :

WC-1

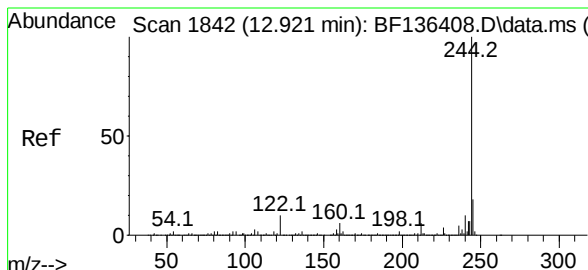
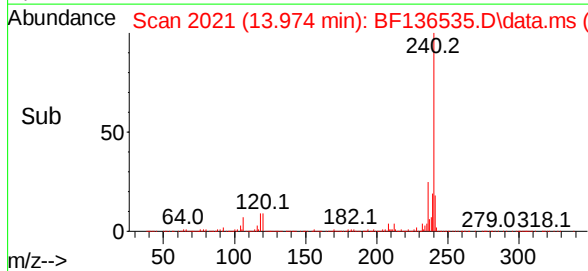
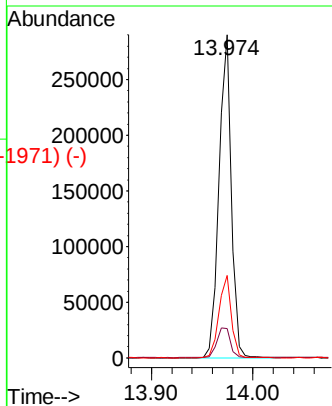
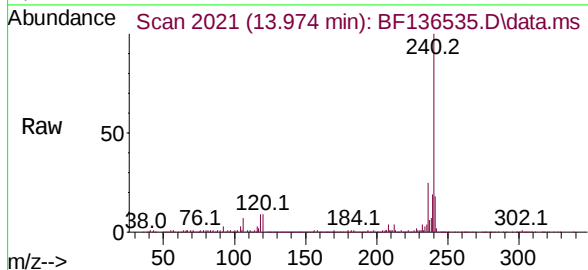
Tgt Ion:240 Resp: 245441

Ion Ratio Lower Upper

240 100

120 9.2 7.3 10.9

236 25.4 21.3 31.9



Terphenyl-d14

Concen: 41.977 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136535.D

Acq: 13 Dec 2023 13:37

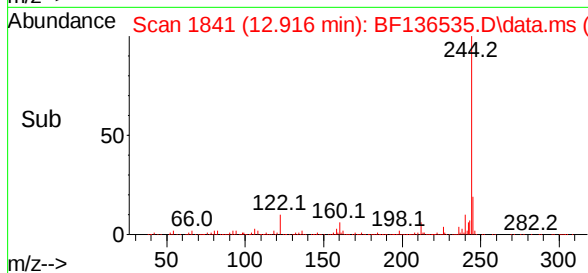
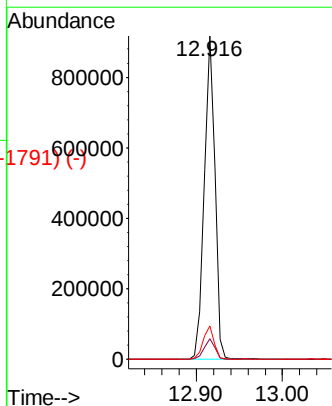
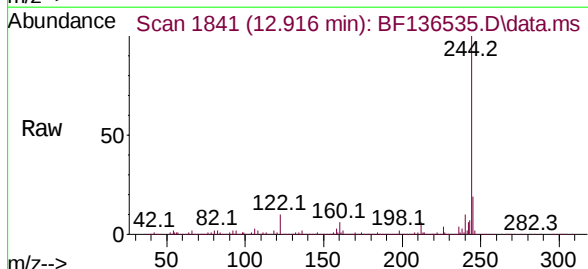
Tgt Ion:244 Resp: 781684

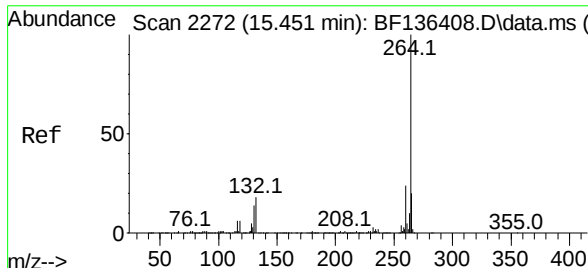
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 10.2 8.3 12.5

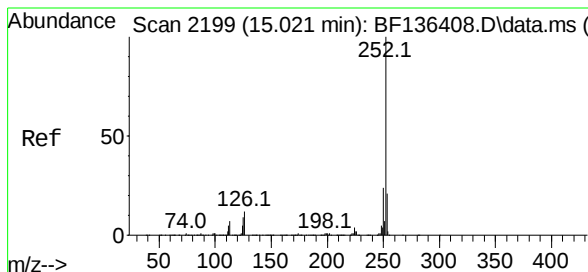
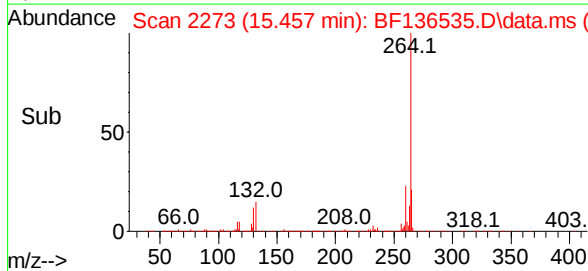
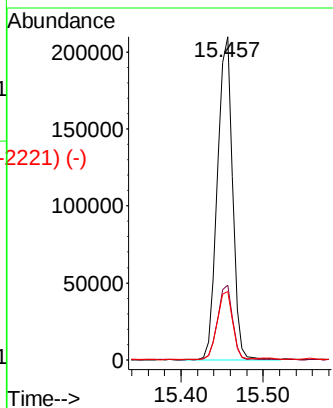
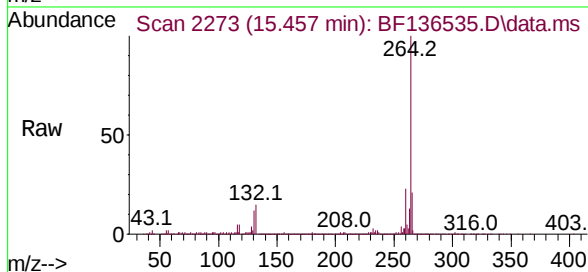




Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2198
 Delta R.T. 0.006 min
 Lab File: BF136535.D
 Acq: 13 Dec 2023 13:37

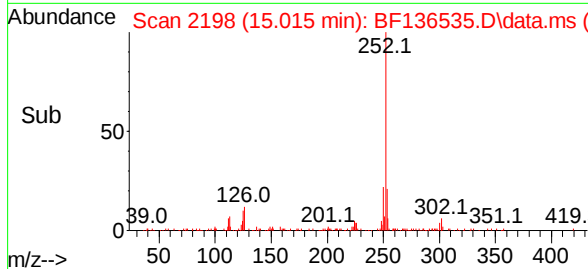
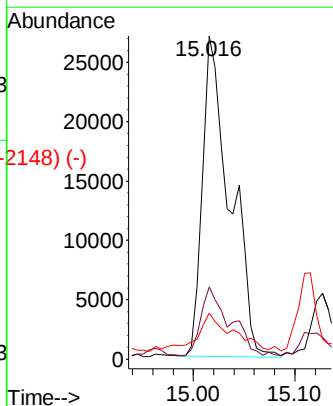
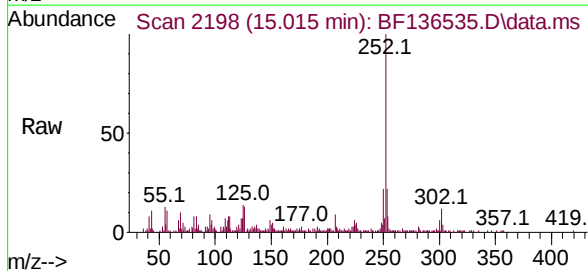
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

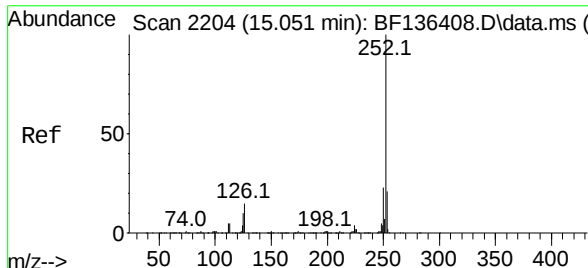
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.3	15.9	23.9



Benzo(b)fluoranthene
 Concen: 2.765 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF136535.D
 Acq: 13 Dec 2023 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.9	25.3
125	14.3	7.4	11.2#





Benzo(k)fluoranthene
 Concen: 2.934 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.035 min
 Lab File: BF136535.D
 Acq: 13 Dec 2023 13:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:	252	Resp:	51219
Ion Ratio	Lower	Upper	
252	100		
253	22.3	16.9	25.3
125	14.3	7.5	11.3#

