

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136515.D
 Acq On : 12 Dec 2023 14:43
 Operator : CG\JU
 Sample : 05628-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Dec 12 15:19:53 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)

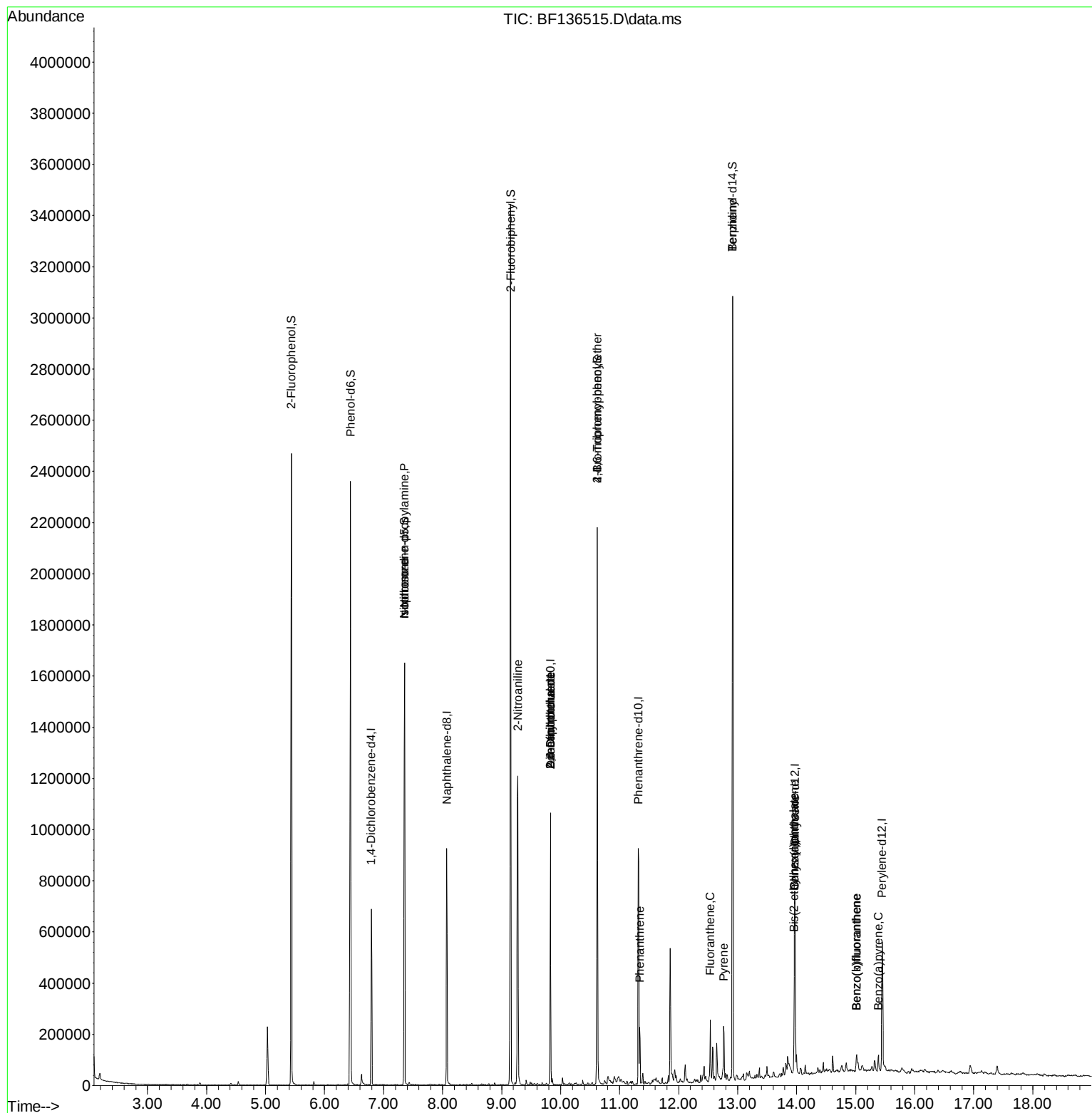
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	93816	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	381191	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	192552	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	357160	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	209559	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	229491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	693662	109.194	ng	0.00
7) Phenol-d6	6.439	99	871298	109.932	ng	0.00
23) Nitrobenzene-d5	7.357	82	527300	74.781	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	269766	113.625	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1003972	71.145	ng	-0.01
79) Terphenyl-d14	12.915	244	1087020	68.369	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	467	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	7.357	70	68614	15.007	ng	# 75
25) Isophorone	7.357	82	527378	41.630	ng	# 65
48) 2-Nitroaniline	9.274	65	13105	3.832	ng	# 12
50) Dimethylphthalate	9.827	163	39089	2.757	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	25613	8.031	ng	# 28
57) 2,4-Dinitrotoluene	9.827	165	25613	6.071	ng	# 28
67) 4-Bromophenyl-phenylether	10.621	248	16219	3.906	ng	# 1
71) Phenanthrene	11.339	178	77101	3.927	ng	98
75) Fluoranthene	12.533	202	96143	4.673	ng	97
77) Benzidine	12.915	184	12625	2.494	ng	# 93
78) Pyrene	12.763	202	86138	4.197	ng	98
81) Benzo(a)anthracene	13.962	228	32063	2.197	ng	# 90
83) Chrysene	13.962	228	32063	2.233	ng	92
84) Bis(2-ethylhexyl)phtha...	13.957	149	78420	8.756	ng	99
88) Benzo(b)fluoranthene	15.015	252	47959	3.056	ng	# 94
89) Benzo(k)fluoranthene	15.015	252	47959	3.243	ng	# 94
90) Benzo(a)pyrene	15.386	252	26889	2.075	ng	98

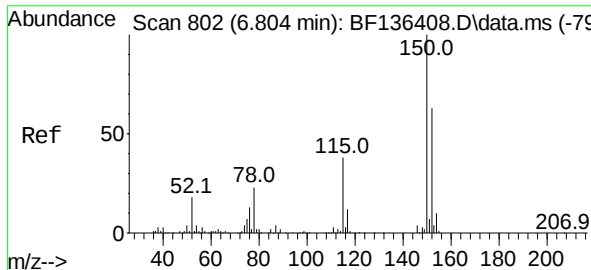
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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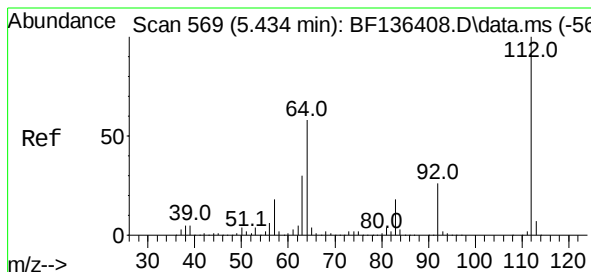
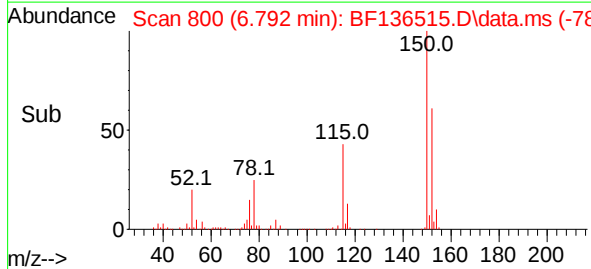
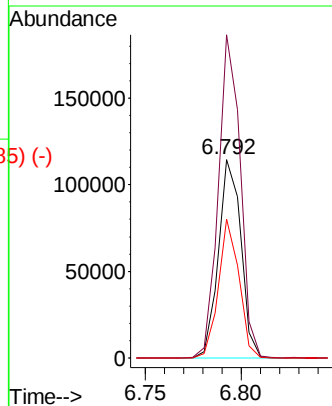
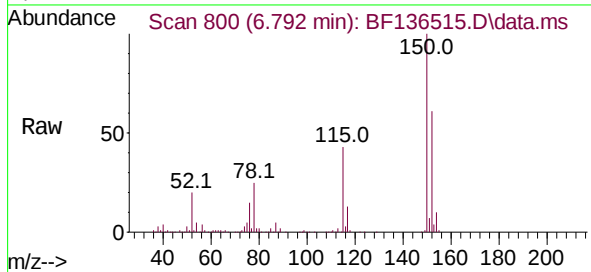




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

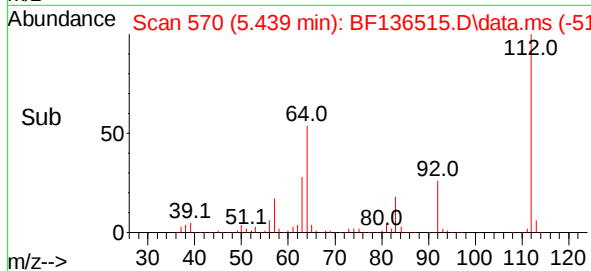
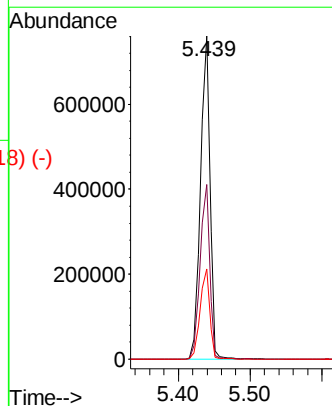
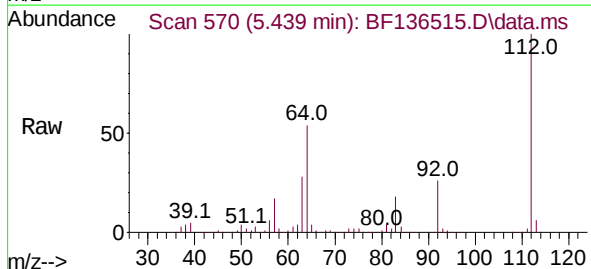
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

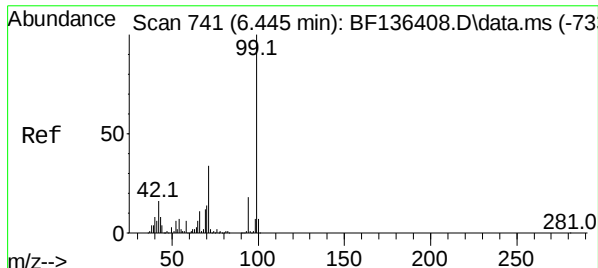
Tgt Ion:152 Resp: 93816
 Ion Ratio Lower Upper
 152 100
 150 162.8 126.4 189.6
 115 69.8 48.2 72.4



2-Fluorophenol
 Concen: 109.194 ng
 RT: 5.439 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Tgt Ion:112 Resp: 693662
 Ion Ratio Lower Upper
 112 100
 64 54.1 46.5 69.7
 63 27.9 23.9 35.9

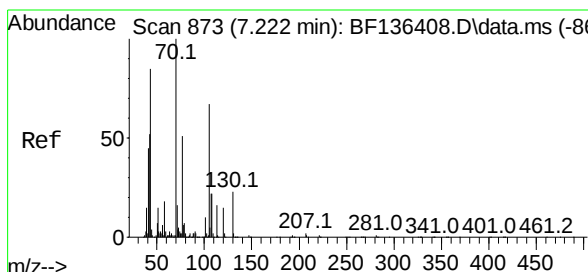
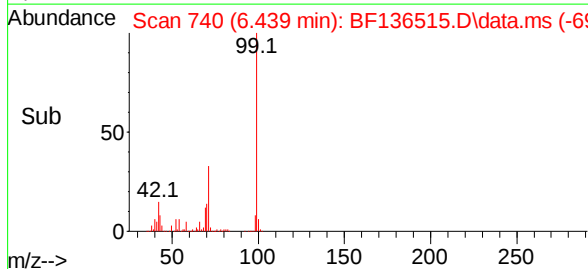
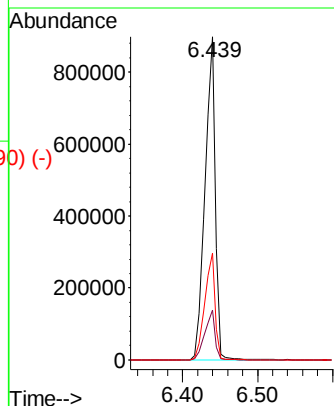
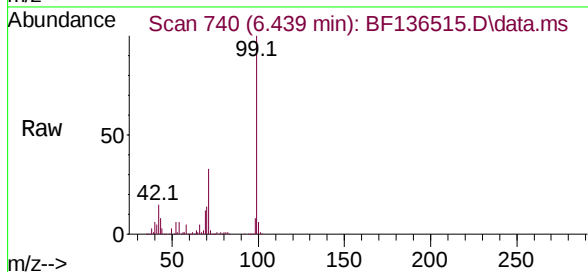




Phenol-d6
 Concen: 109.932 ng
 RT: 6.439 min Scan#
 Delta R.T. -0.006 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

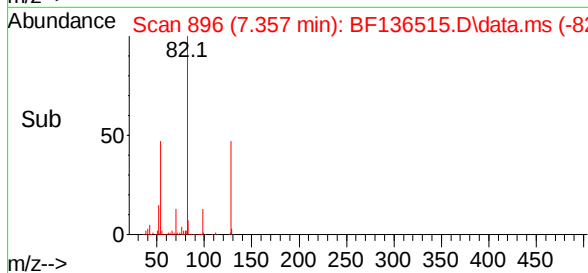
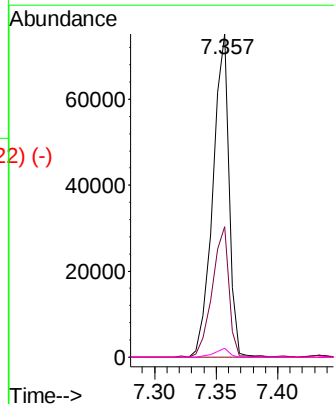
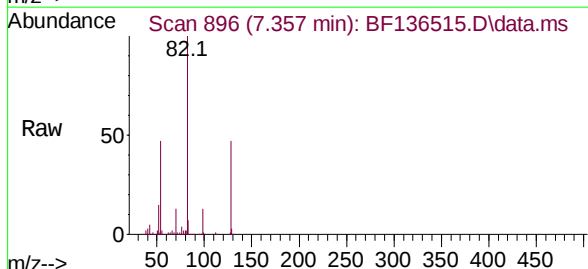
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion: 99 Resp: 871298
 Ion Ratio Lower Upper
 99 100
 42 15.4 12.8 19.2
 71 33.0 27.0 40.4

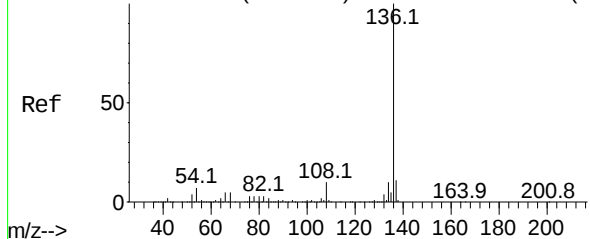


n-Nitroso-di-n-propylamine
 Concen: 15.007 ng
 RT: 7.357 min Scan# 896
 Delta R.T. 0.135 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Tgt Ion: 70 Resp: 68614
 Ion Ratio Lower Upper
 70 100
 42 40.4 41.4 62.0#
 101 0.0 8.2 12.4#
 130 2.7 18.6 28.0#



Abundance Scan 1019 (8.081 min): BF136408.D\data.ms (-1019) #21



Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan#

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:136 Resp: 381191

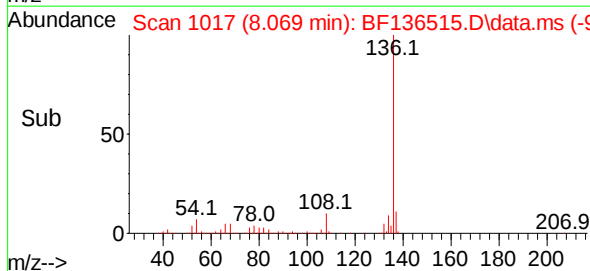
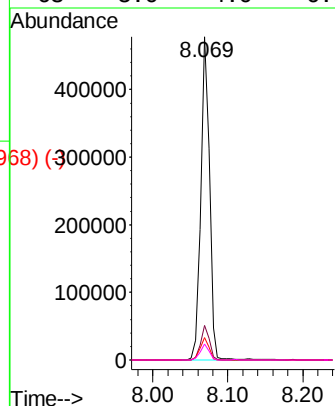
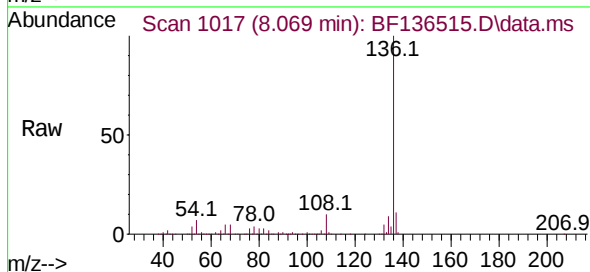
Ion Ratio Lower Upper

136 100

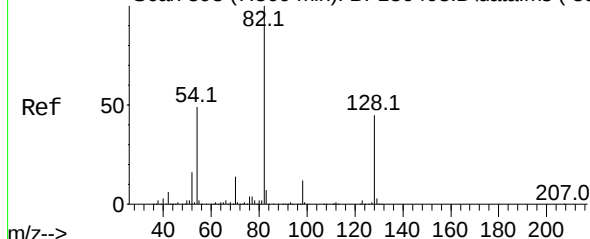
137 10.6 8.6 12.8

54 7.0 5.7 8.5

68 5.0 4.0 6.0



Abundance Scan 898 (7.369 min): BF136408.D\data.ms (-891) #23



Nitrobenzene-d5

Concen: 74.781 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

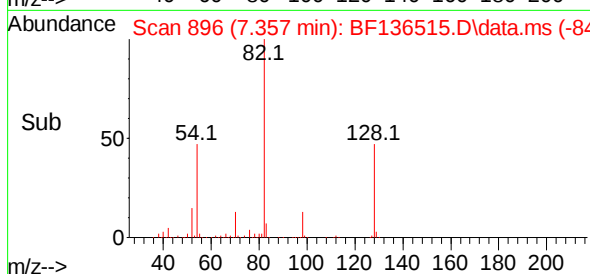
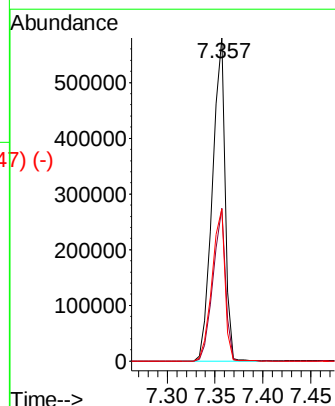
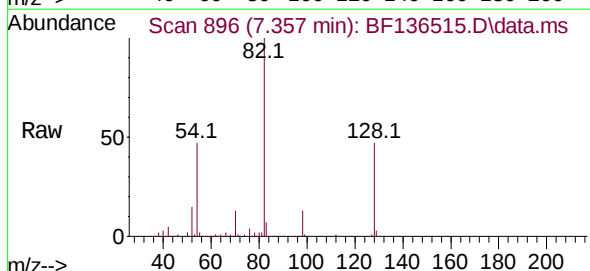
Tgt Ion: 82 Resp: 527300

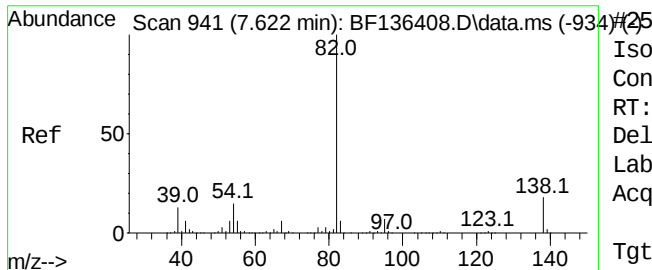
Ion Ratio Lower Upper

82 100

128 47.4 36.3 54.5

54 47.1 39.0 58.6





Isophorone

Concen: 41.630 ng

RT: 7.357 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

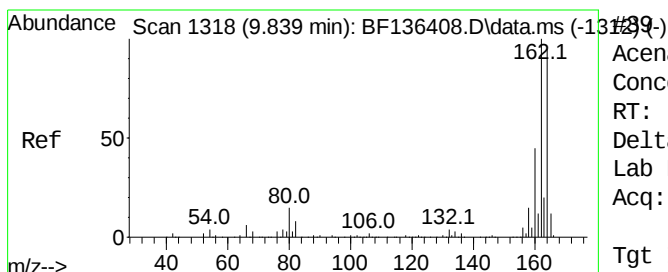
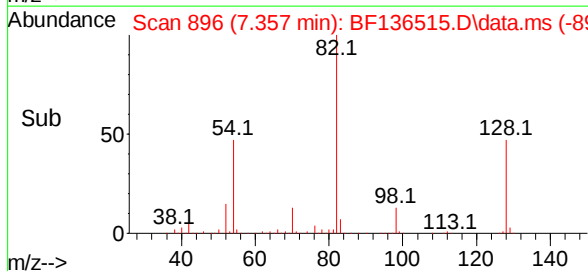
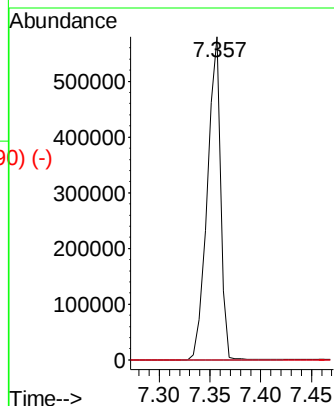
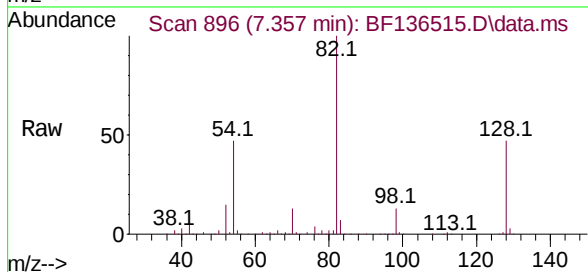
Tgt Ion: 82 Resp: 527378

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.5 21.7#



Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

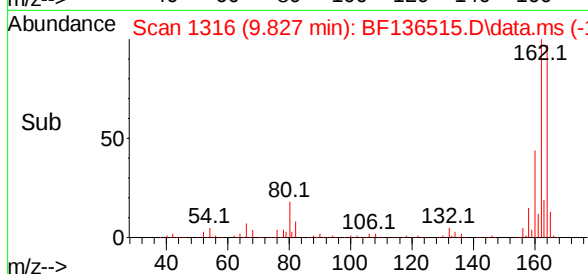
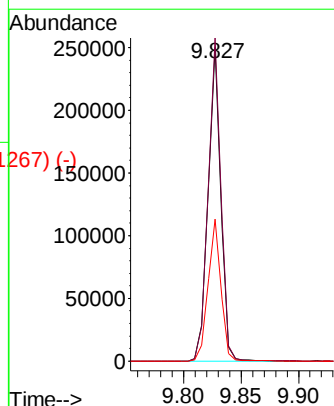
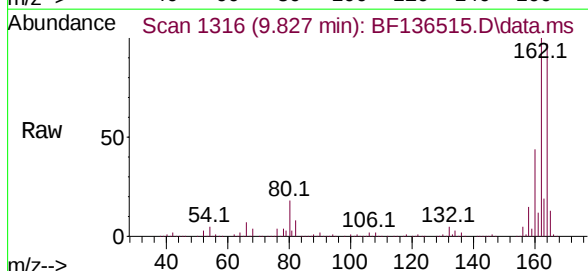
Tgt Ion:164 Resp: 192552

Ion Ratio Lower Upper

164 100

162 103.1 84.4 126.6

160 45.3 37.6 56.4



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

2,4,6-Tribromophenol

Concen: 113.625 ng

RT: 10.621 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136515.D

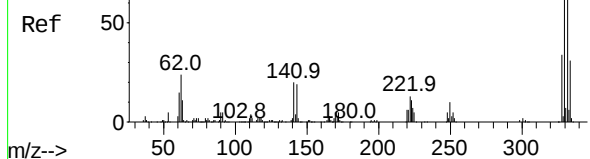
Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP



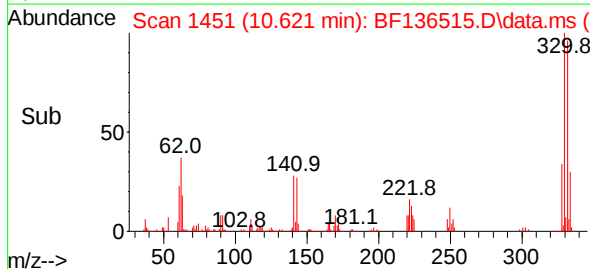
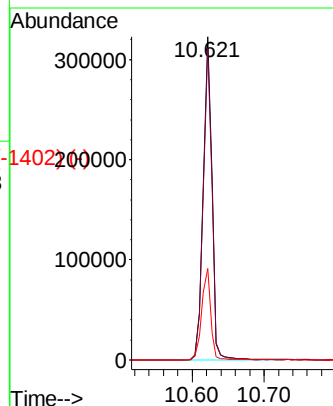
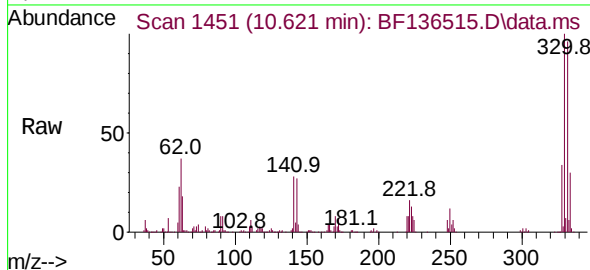
Tgt Ion:330 Resp: 269766

Ion Ratio Lower Upper

330 100

332 96.3 76.4 114.6

141 28.9 23.4 35.2



Abundance Scan 1203 (9.163 min): BF136408.D\data.ms (-1194) (-)

2-Fluorobiphenyl

Concen: 71.145 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

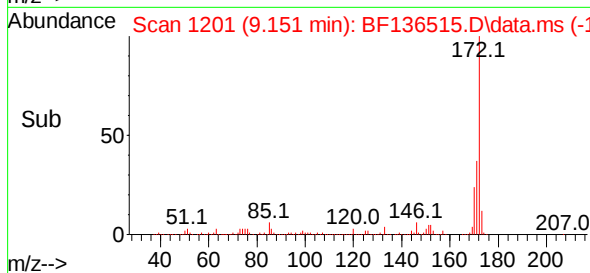
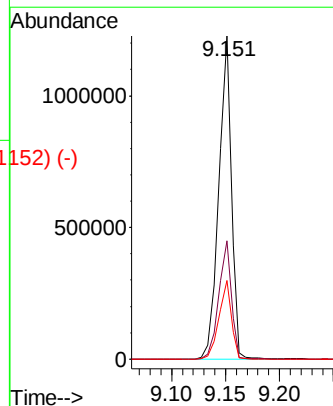
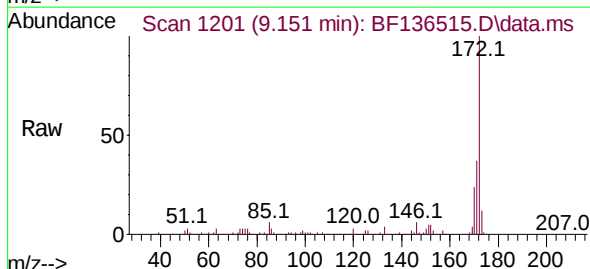
Tgt Ion:172 Resp: 1003972

Ion Ratio Lower Upper

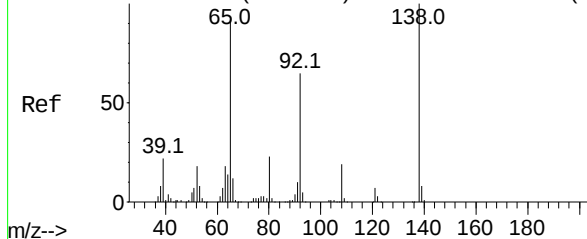
172 100

171 36.6 30.5 45.7

170 24.4 19.9 29.9



Abundance Scan 1240 (9.381 min): BF136408.D\data.ms (-12348)



2-Nitroaniline

Concen: 3.832 ng

RT: 9.274 min Scan#

Delta R.T. -0.106 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

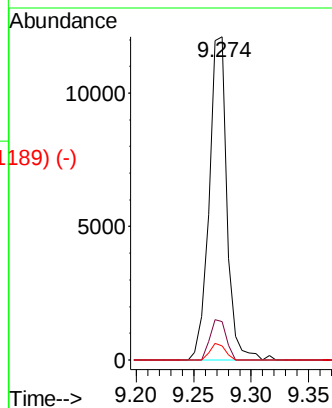
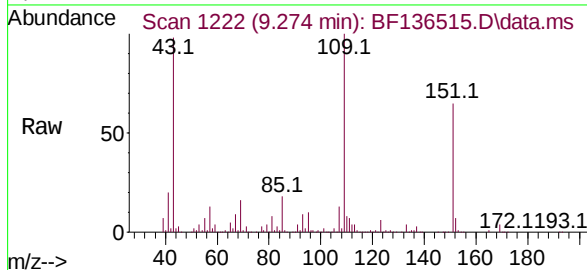
Tgt Ion: 65 Resp: 13105

Ion Ratio Lower Upper

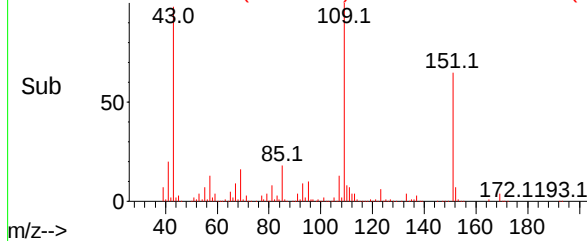
65 100

92 11.8 56.1 84.1#

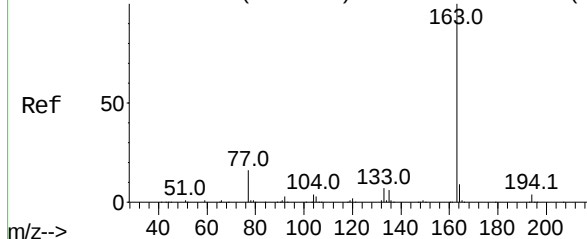
138 4.3 86.7 130.1#



Abundance Scan 1222 (9.274 min): BF136515.D\data.ms (-1189) (-)



Abundance Scan 1272 (9.569 min): BF136408.D\data.ms (-12649)



Dimethylphthalate

Concen: 2.757 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

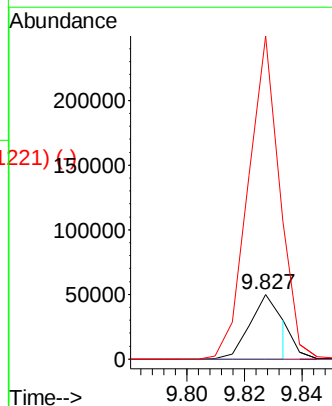
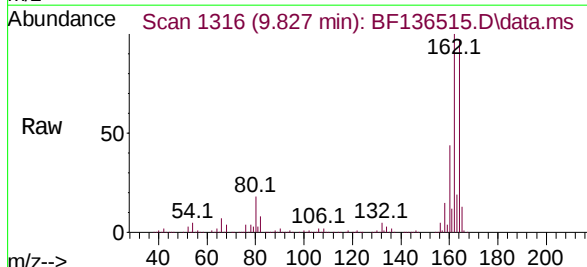
Tgt Ion:163 Resp: 39089

Ion Ratio Lower Upper

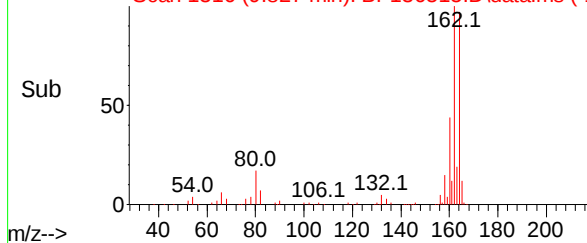
163 100

194 0.0 3.0 4.6#

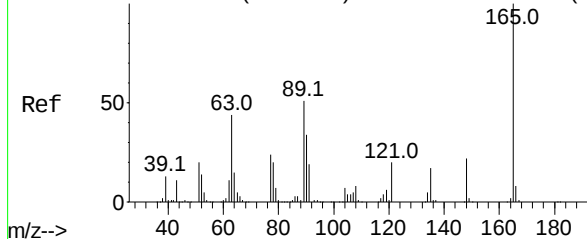
164 500.3 7.4 11.2#



Abundance Scan 1316 (9.827 min): BF136515.D\data.ms (-1221) (-)



Abundance Scan 1282 (9.628 min): BF136408.D\data.ms (-12751)



2,6-Dinitrotoluene

Concen: 8.031 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

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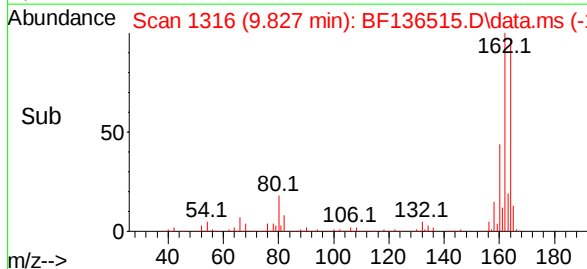
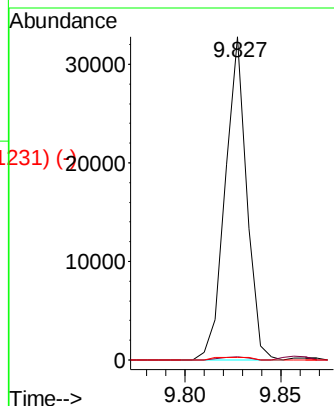
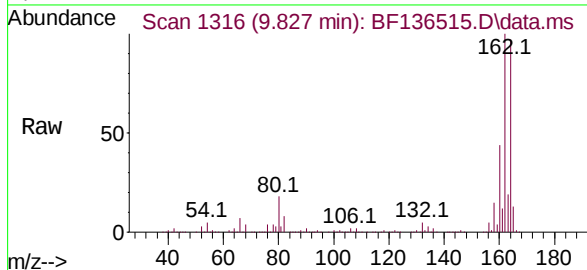
Tgt Ion:165 Resp: 25613

Ion Ratio Lower Upper

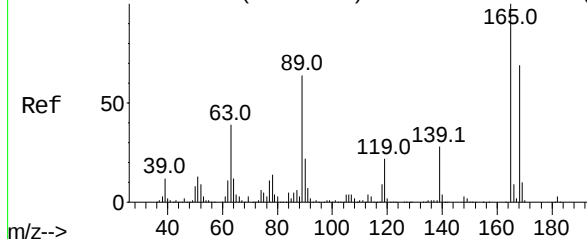
165 100

63 1.0 40.4 60.6#

89 0.9 40.6 60.8#



Abundance Scan 1351 (10.033 min): BF136408.D\data.ms (-1350)



2,4-Dinitrotoluene

Concen: 6.071 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.206 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Tgt Ion:165 Resp: 25613

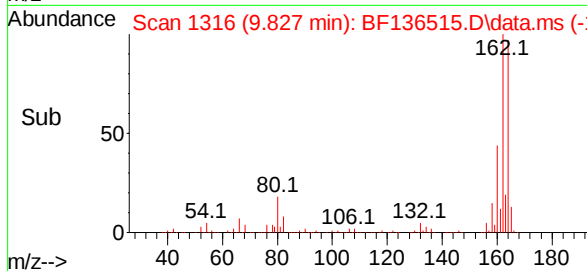
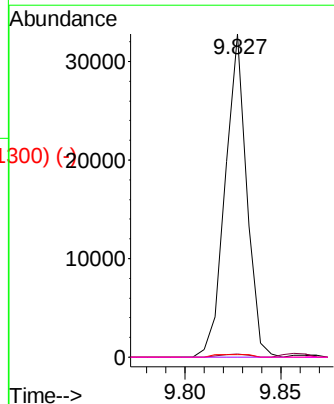
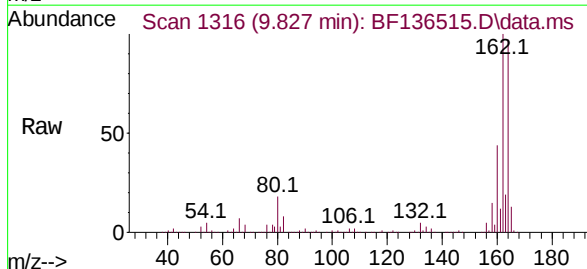
Ion Ratio Lower Upper

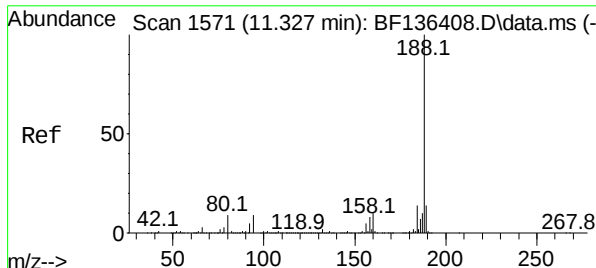
165 100

63 1.0 31.4 47.2#

89 0.9 51.7 77.5#

182 0.0 2.2 3.2#

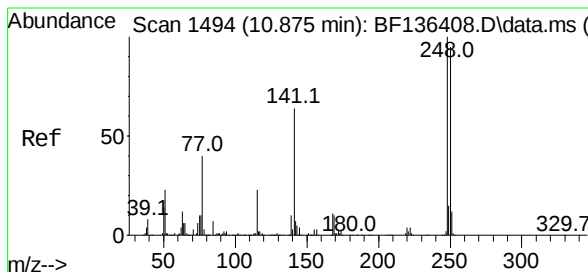
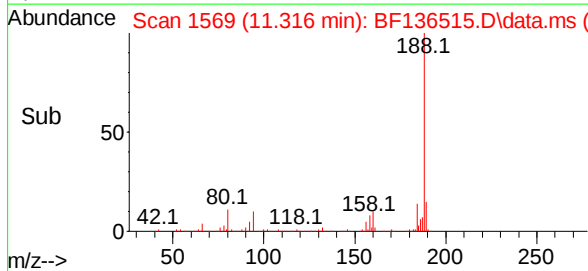
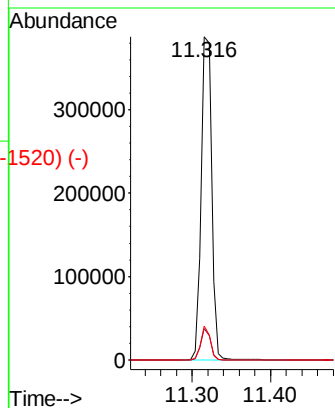
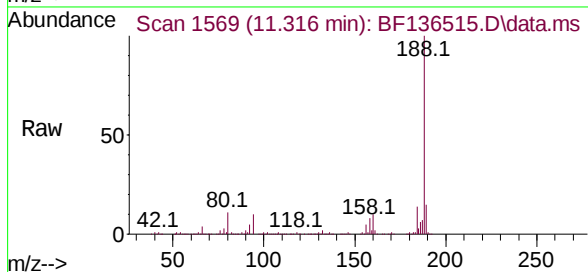




Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

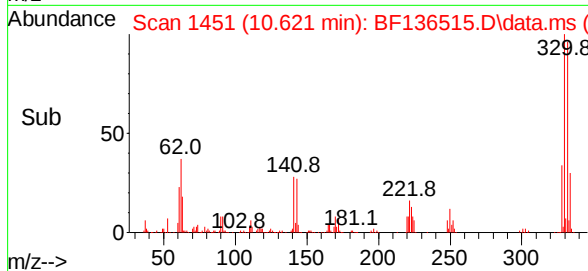
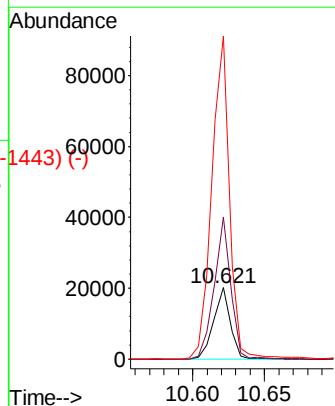
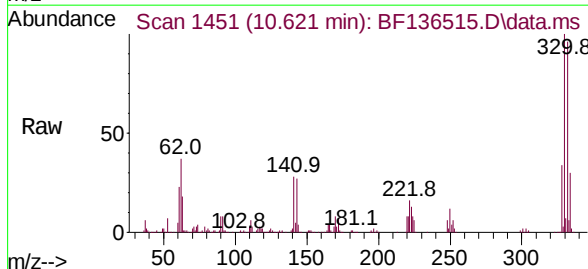
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion:	188	Resp:	357160
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.5	7.2	10.8

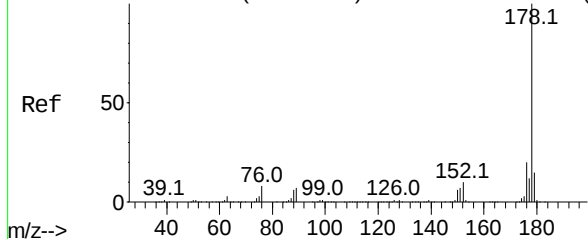


4-Bromophenyl-phenylether
 Concen: 3.906 ng
 RT: 10.621 min Scan# 1451
 Delta R.T. -0.253 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Tgt Ion:	248	Resp:	16219
Ion	Ratio	Lower	Upper
248	100		
250	199.3	76.2	114.2#
141	453.0	51.0	76.4#



Abundance Scan 1575 (11.351 min): BF136408.D\data.ms (-1575) (-)



Phenanthrene

Concen: 3.927 ng

RT: 11.339 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

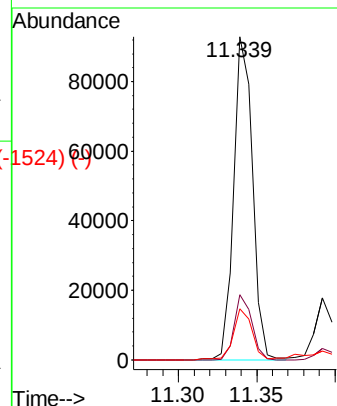
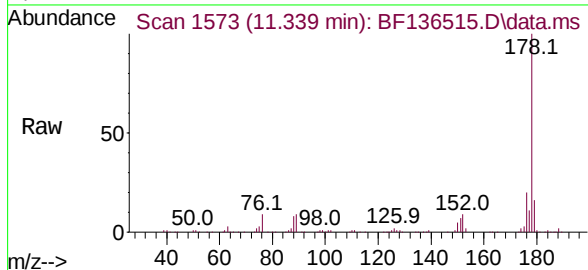
Tgt Ion:178 Resp: 77101

Ion Ratio Lower Upper

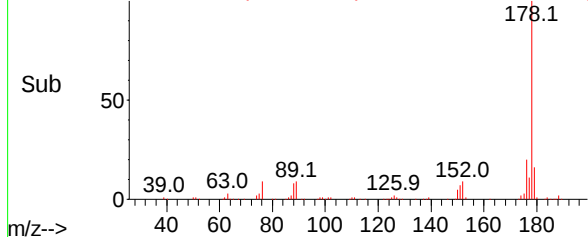
178 100

176 20.3 15.9 23.9

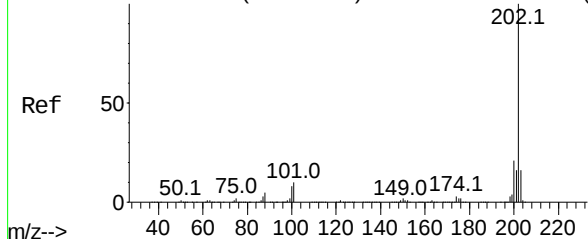
179 15.9 11.8 17.6



Abundance Scan 1573 (11.339 min): BF136515.D\data.ms (-1524) (-)



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



Fluoranthene

Concen: 4.673 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

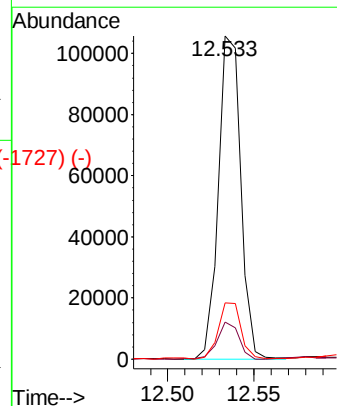
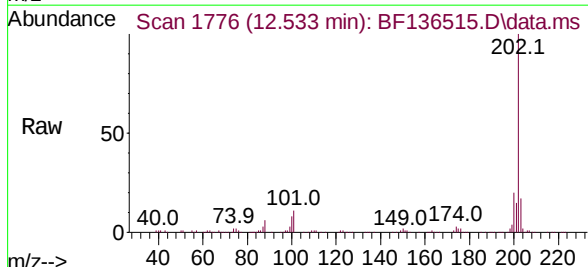
Tgt Ion:202 Resp: 96143

Ion Ratio Lower Upper

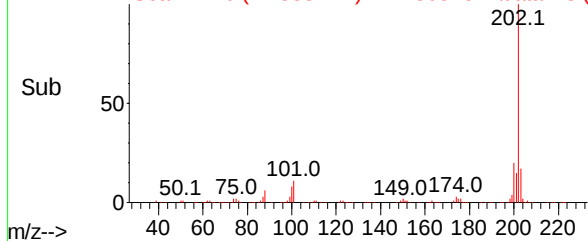
202 100

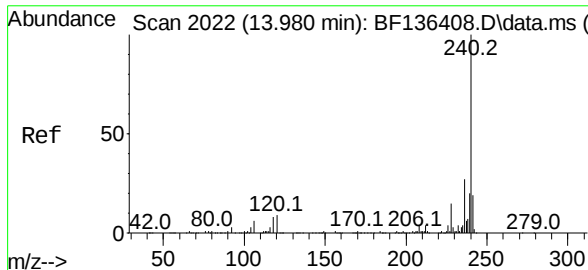
101 11.5 0.0 29.9

203 17.3 0.0 36.3



Abundance Scan 1776 (12.533 min): BF136515.D\data.ms (-1727) (-)

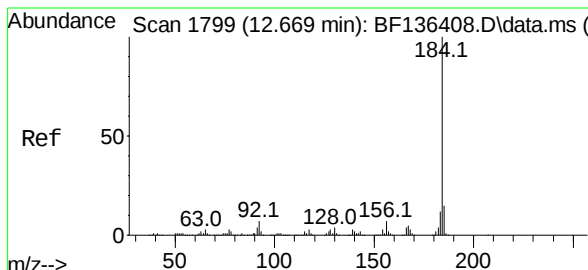
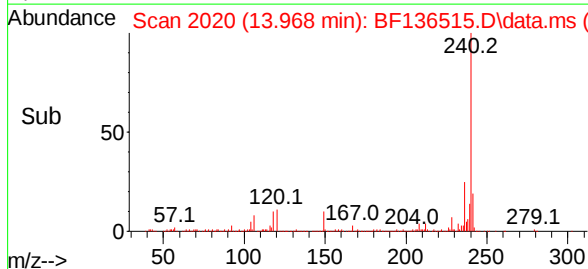
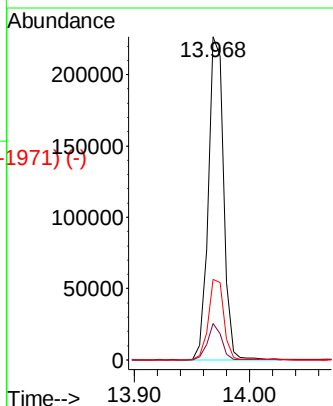
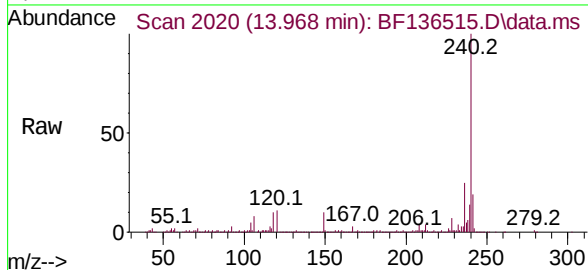




Scan 2022 (13.980 min): BF136408.D\data.ms (-175) (-)
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.968 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

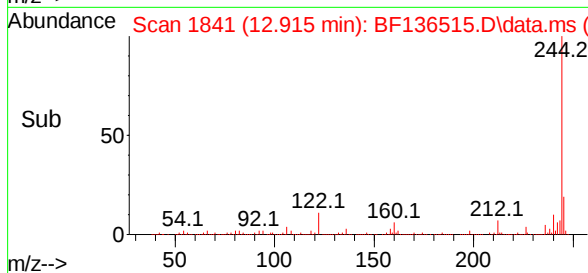
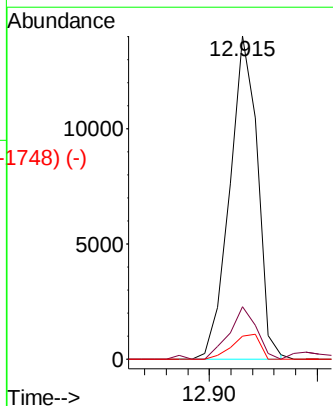
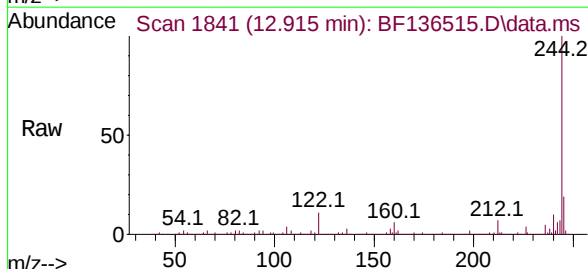
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

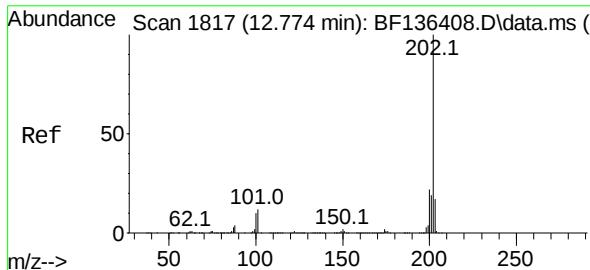
Tgt Ion:	240	Resp:	209559
Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.3	10.9#
236	24.9	21.3	31.9



Scan 1799 (12.669 min): BF136408.D\data.ms (-172) (-)
 Benzidine
 Concen: 2.494 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. 0.246 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Tgt Ion:	184	Resp:	12625
Ion	Ratio	Lower	Upper
184	100		
185	16.2	12.0	18.0
183	7.0	9.4	14.0#

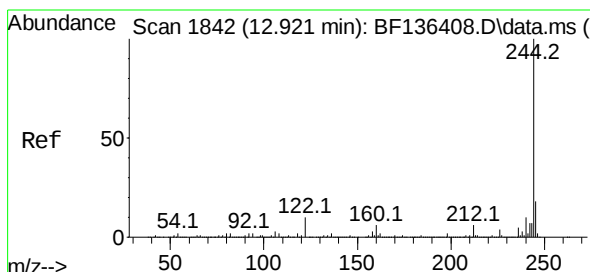
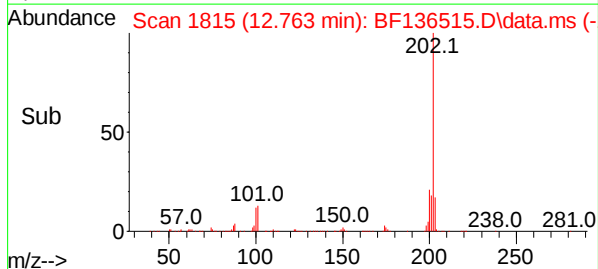
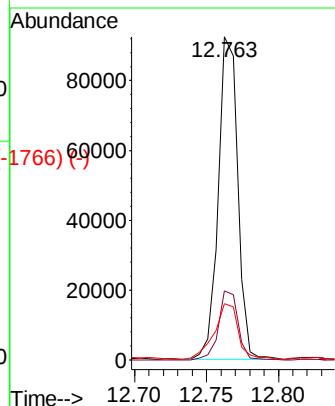
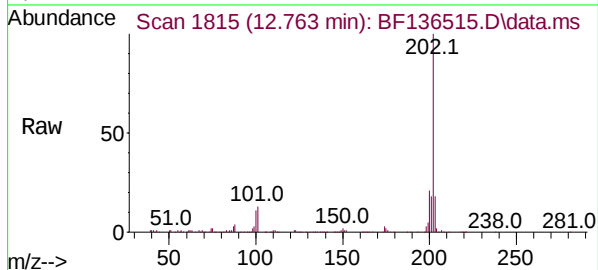




Pyrene
Concen: 4.197 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

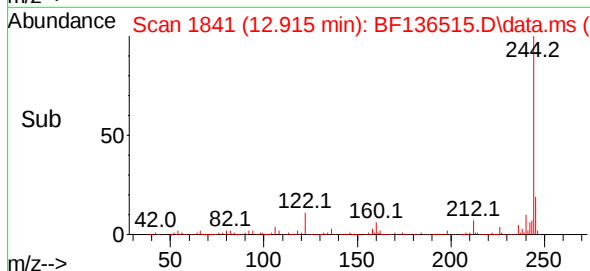
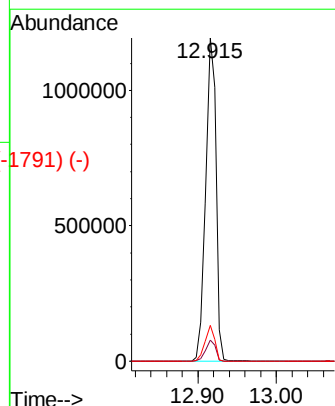
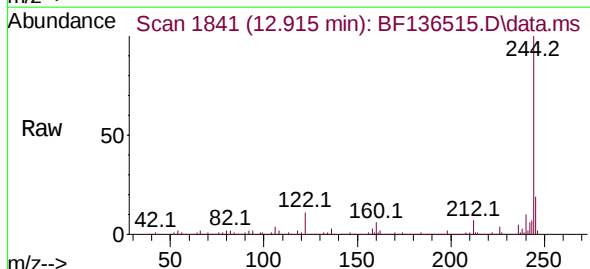
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

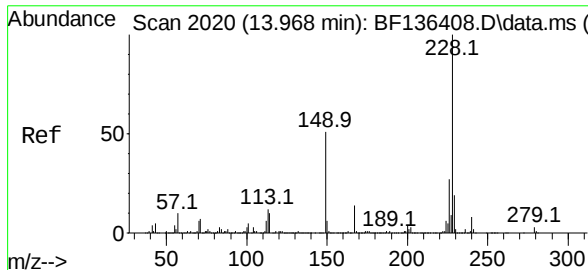
Tgt Ion:	202	Resp:	86138
Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	17.5	13.5	20.3



Terphenyl-d14
Concen: 68.369 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Tgt Ion:	244	Resp:	1087020
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.4
122	11.1	8.3	12.5

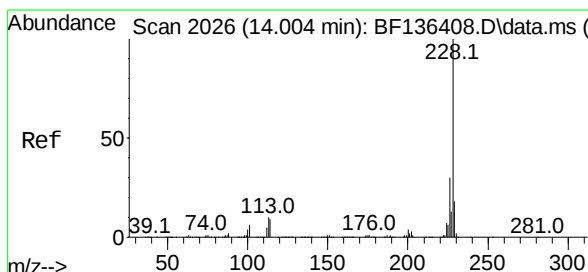
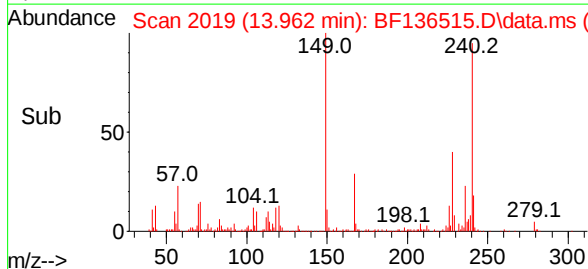
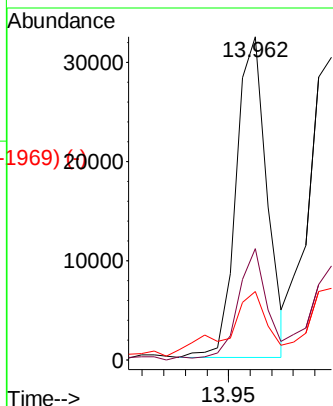
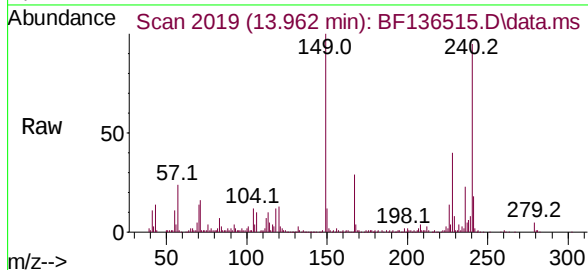




Benzo(a)anthracene
 Concen: 2.197 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

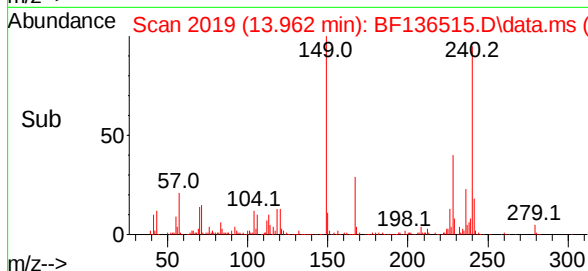
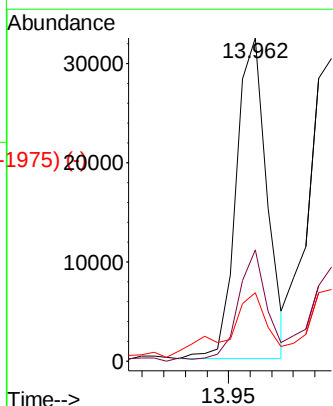
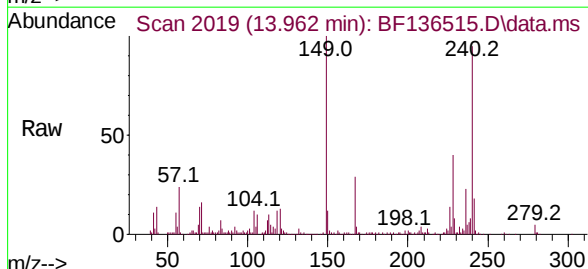
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

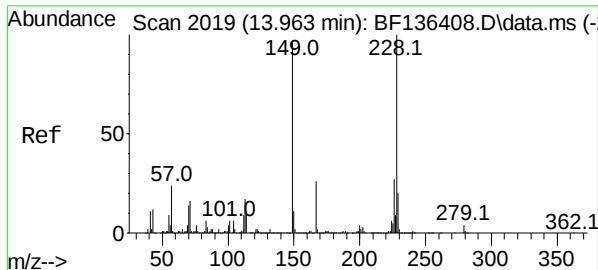
Tgt Ion:	228	Resp:	32063
Ion	Ratio	Lower	Upper
228	100		
226	34.4	21.8	32.8#
229	21.2	15.0	22.4



Chrysene
 Concen: 2.233 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.041 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Tgt Ion:	228	Resp:	32063
Ion	Ratio	Lower	Upper
228	100		
226	34.4	23.8	35.6
229	21.2	14.8	22.2

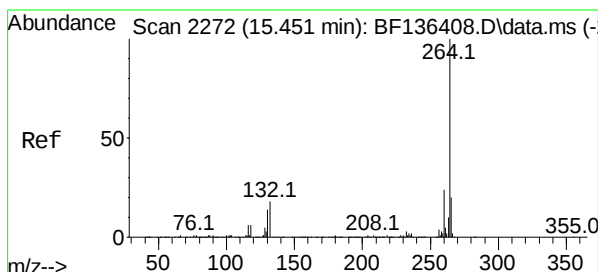
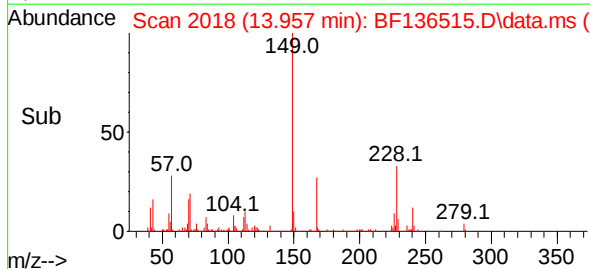
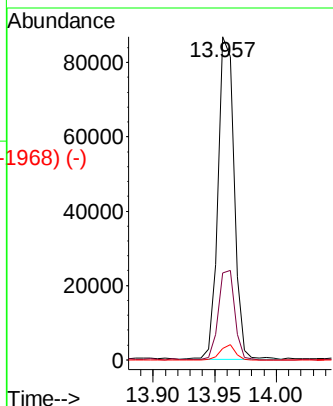
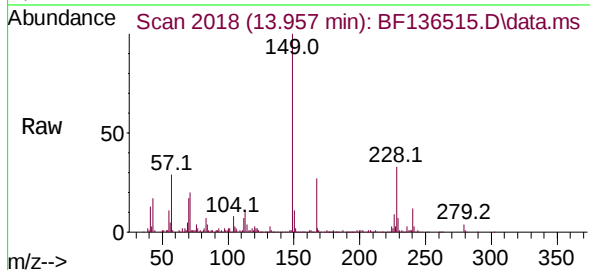




Bis(2-ethylhexyl)phthalate
Concen: 8.756 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

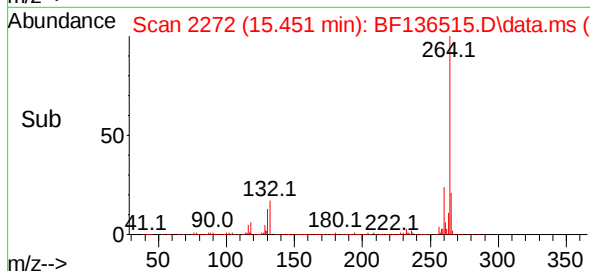
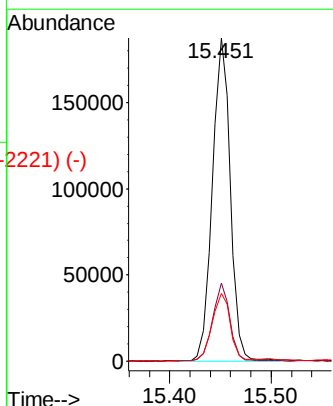
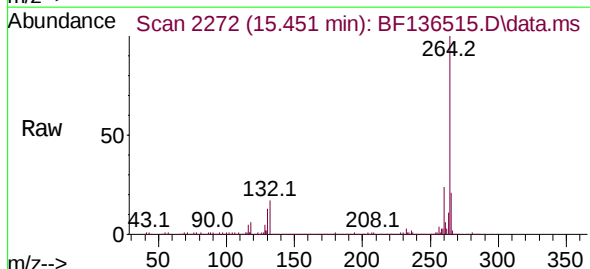
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

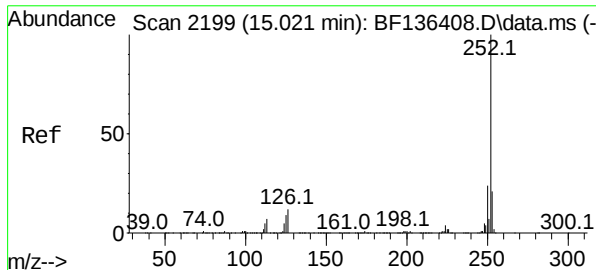
Tgt Ion:	149	Resp:	78420
Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	3.6	3.1	4.7



Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Tgt Ion:	264	Resp:	229491
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.9	15.9	23.9

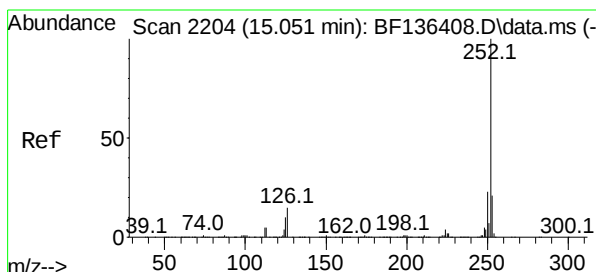
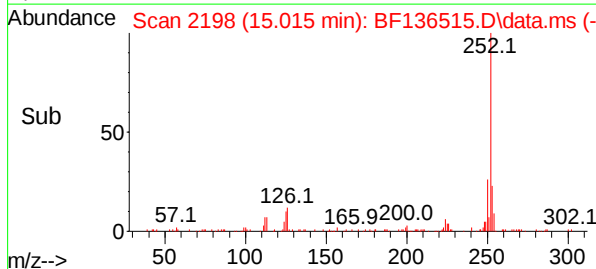
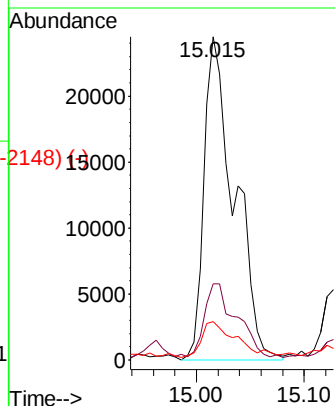
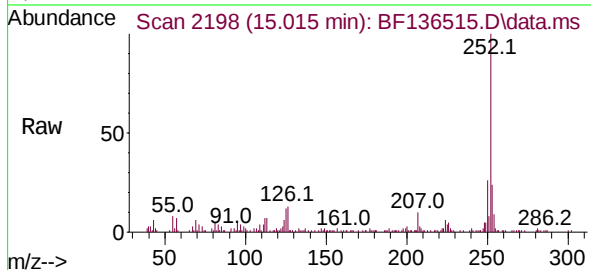




Scan 2199 (15.021 min): BF136408.D\data.ms (-2158)
 Benzo(b)fluoranthene
 Concen: 3.056 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

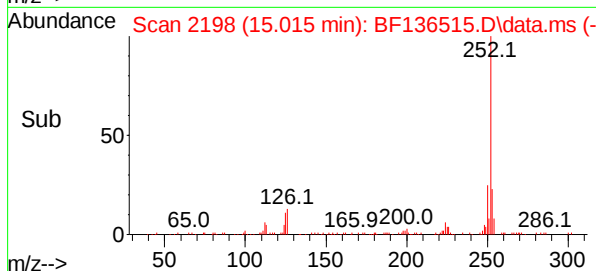
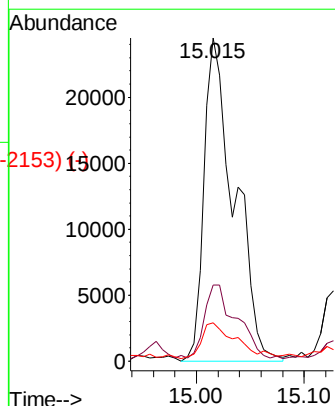
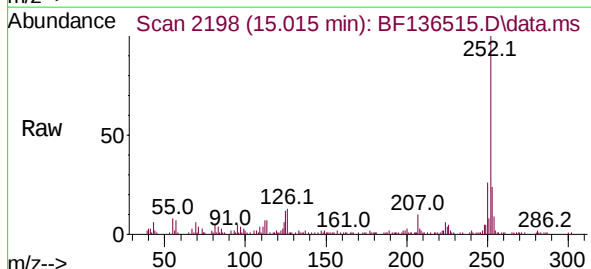
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

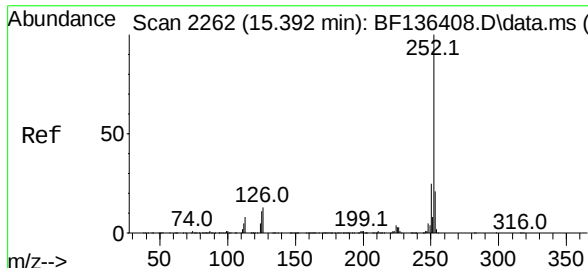
Tgt Ion:	252	Resp:	47959
Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.9	25.3
125	11.9	7.4	11.2#



Scan 2204 (15.051 min): BF136408.D\data.ms (-2159)
 Benzo(k)fluoranthene
 Concen: 3.243 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.035 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Tgt Ion:	252	Resp:	47959
Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.9	25.3
125	11.9	7.5	11.3#





Benzo(a)pyrene
 Concen: 2.075 ng
 RT: 15.386 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF136515.D
 Acq: 12 Dec 2023 14:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion:	252	Resp:	26889
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	10.0	8.6	13.0

