

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136516.D
 Acq On : 12 Dec 2023 15:14
 Operator : CG\JU
 Sample : 05628-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Quant Time: Dec 12 15:34:33 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)

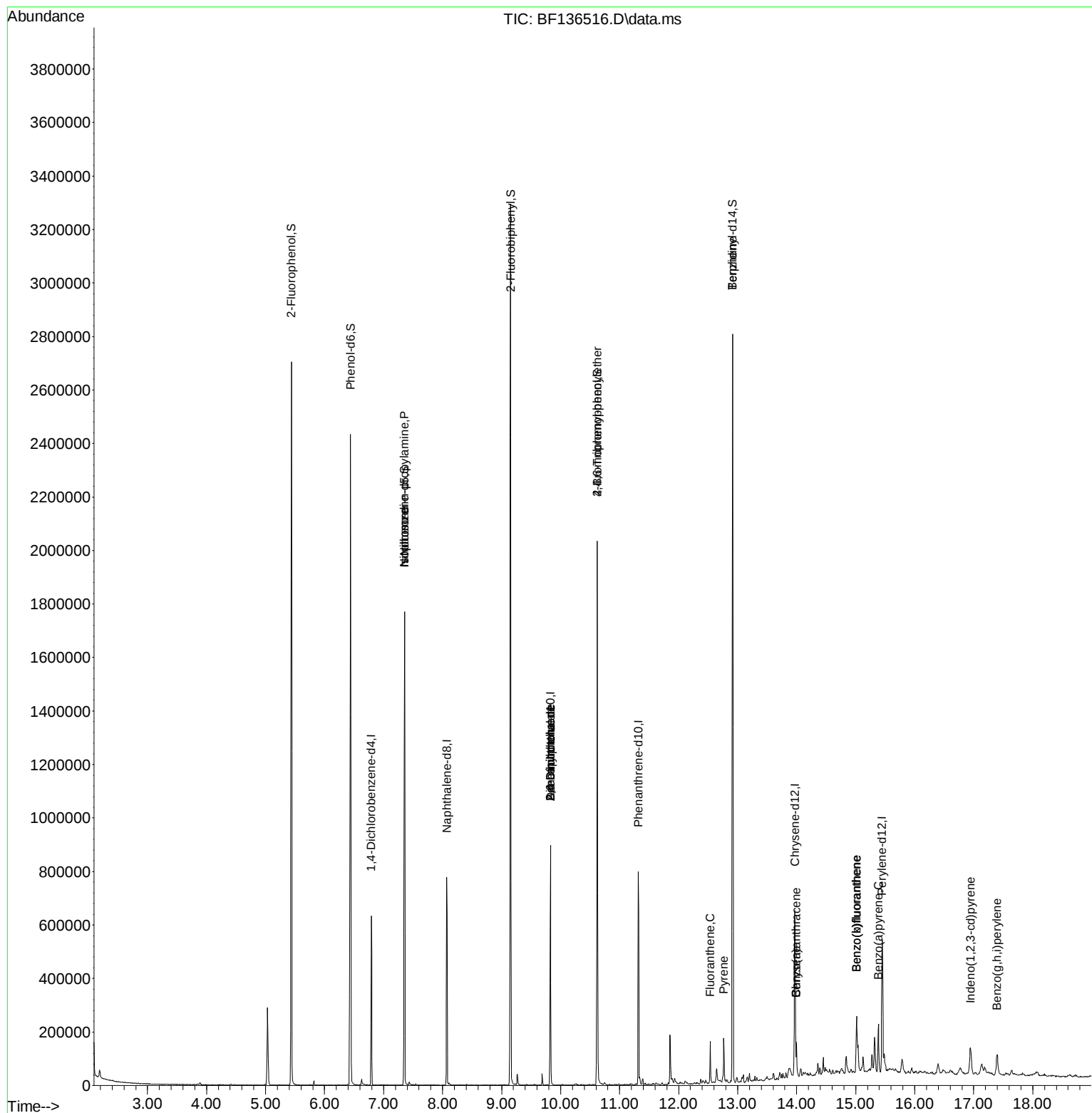
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	91924	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	351232	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	171779	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	291437	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	181915	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	232915	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	766064	123.074	ng	0.00
7) Phenol-d6	6.439	99	953329	122.758	ng	0.00
23) Nitrobenzene-d5	7.357	82	549401	84.562	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	257022	121.348	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	940151	74.679	ng	-0.01
79) Terphenyl-d14	12.916	244	937757	67.944	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	60	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.357	70	71454	15.950	ng	# 76
25) Isophorone	7.357	82	549395	47.067	ng	# 65
50) Dimethylphthalate	9.827	163	34337	2.715	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	22447	7.889	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	22447	5.964	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	15371	4.536	ng	# 1
75) Fluoranthene	12.533	202	60388	3.597	ng	98
77) Benzidine	12.916	184	10534	2.165	ng	# 95
78) Pyrene	12.763	202	65862	3.697	ng	95
81) Benzo(a)anthracene	13.992	228	55300	4.364	ng	97
83) Chrysene	13.992	228	55300	4.436	ng	94
87) Indeno(1,2,3-cd)pyrene	16.945	276	70751	4.372	ng	96
88) Benzo(b)fluoranthene	15.015	252	149292	9.375	ng	96
89) Benzo(k)fluoranthene	15.015	252	149292	9.948	ng	96
90) Benzo(a)pyrene	15.386	252	78133	5.941	ng	97
92) Benzo(g,h,i)perylene	17.398	276	66000	4.851	ng	98

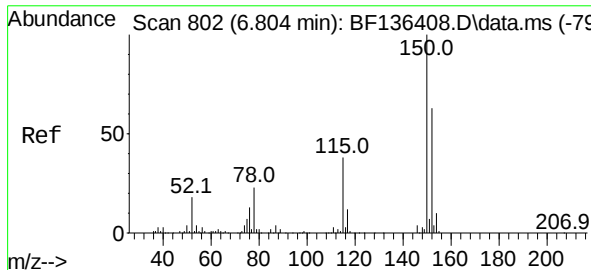
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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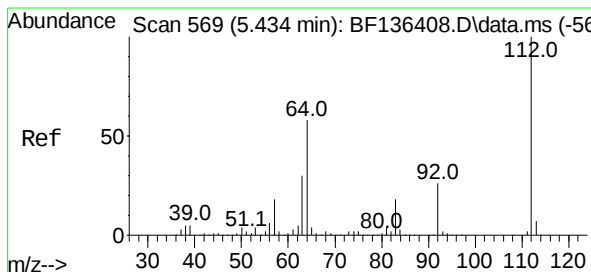
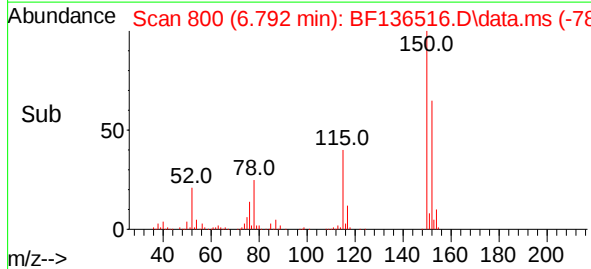
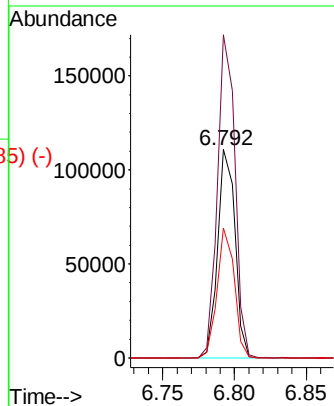
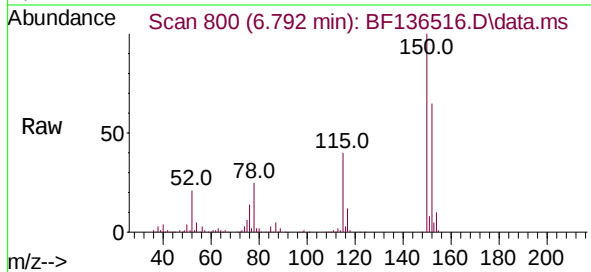




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

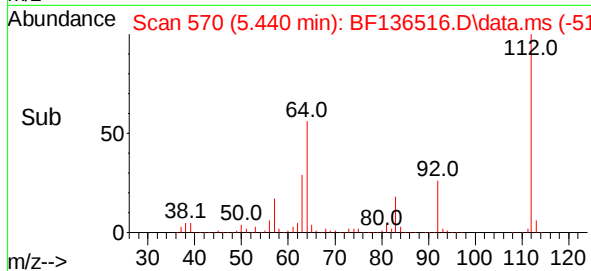
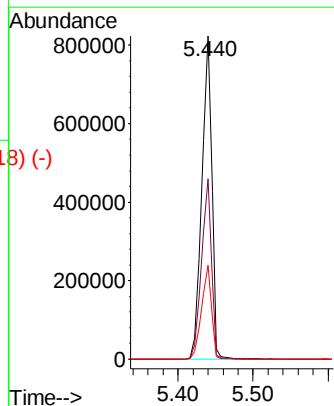
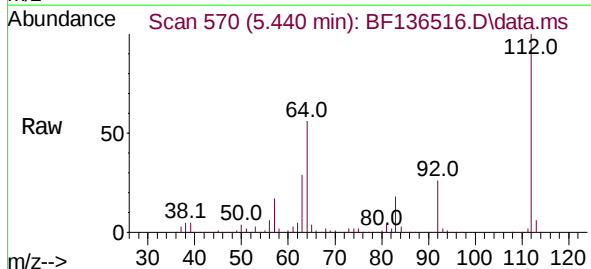
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

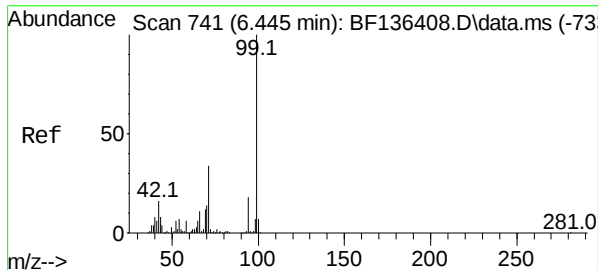
Tgt Ion:152 Resp: 91924
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.4 189.6
 115 62.3 48.2 72.4



2-Fluorophenol
 Concen: 123.074 ng
 RT: 5.440 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion:112 Resp: 766064
 Ion Ratio Lower Upper
 112 100
 64 55.8 46.5 69.7
 63 29.0 23.9 35.9

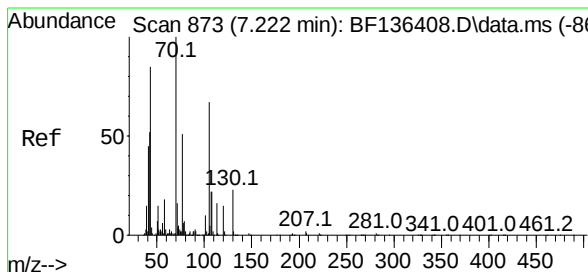
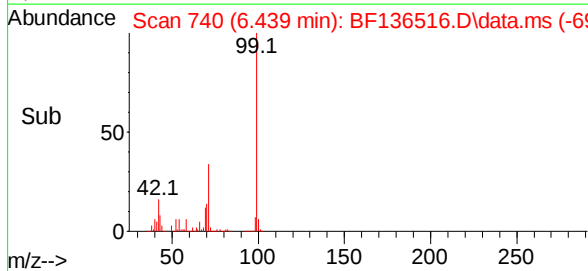
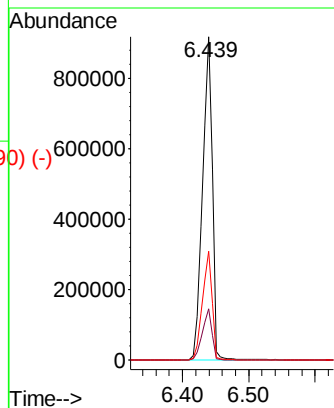
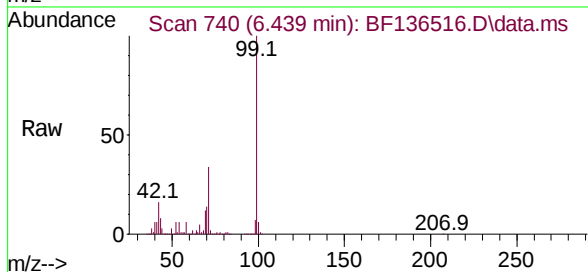




Phenol-d6
 Concen: 122.758 ng
 RT: 6.439 min Scan#
 Delta R.T. -0.006 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

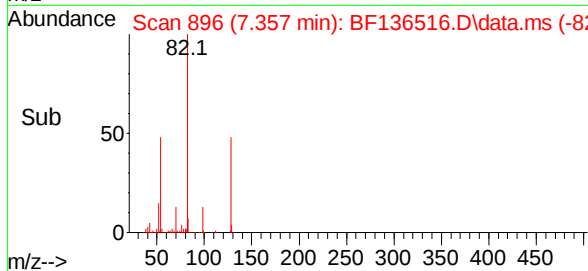
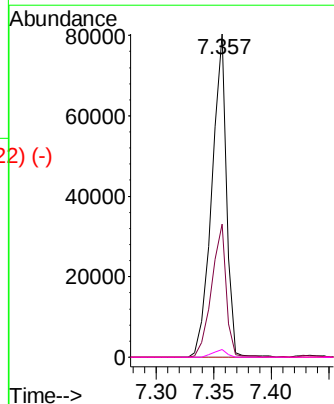
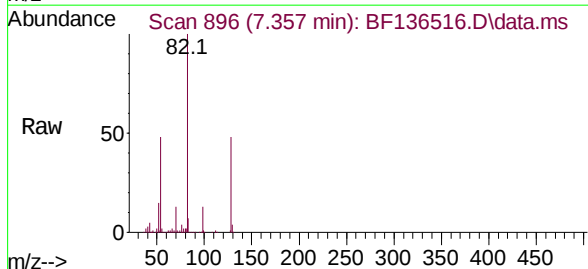
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

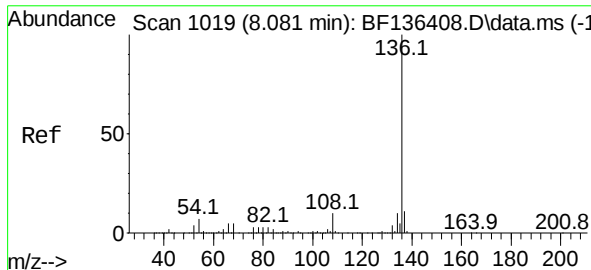
Tgt Ion: 99 Resp: 953329
 Ion Ratio Lower Upper
 99 100
 42 15.8 12.8 19.2
 71 33.6 27.0 40.4



n-Nitroso-di-n-propylamine
 Concen: 15.950 ng
 RT: 7.357 min Scan# 896
 Delta R.T. 0.135 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion: 70 Resp: 71454
 Ion Ratio Lower Upper
 70 100
 42 41.2 41.4 62.0#
 101 0.0 8.2 12.4#
 130 2.3 18.6 28.0#

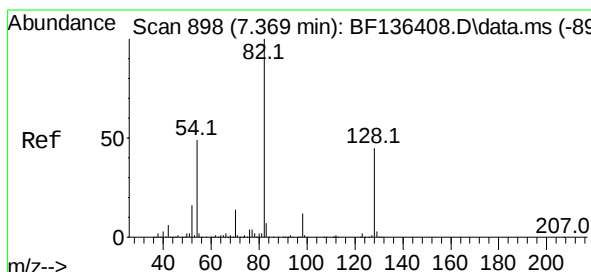
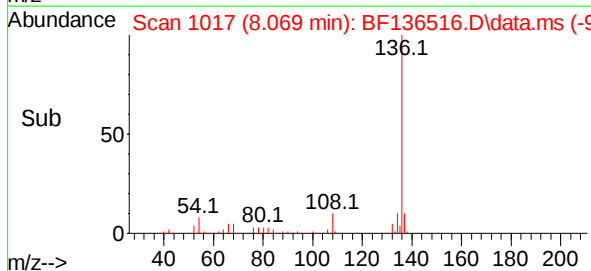
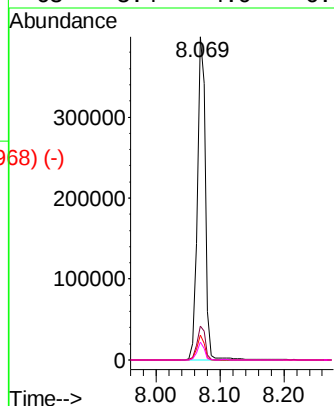
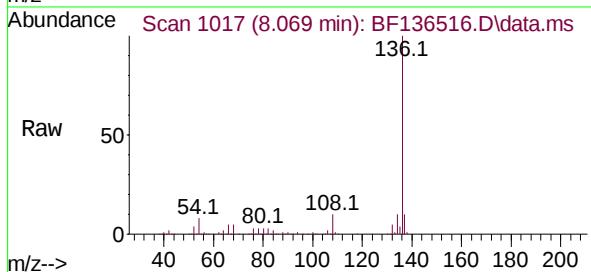




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

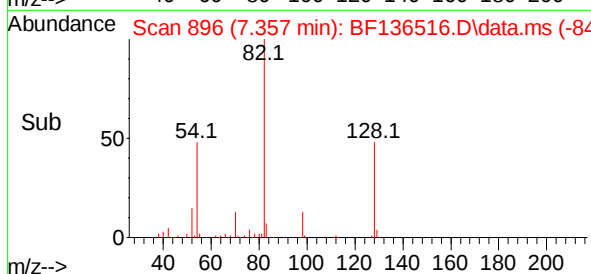
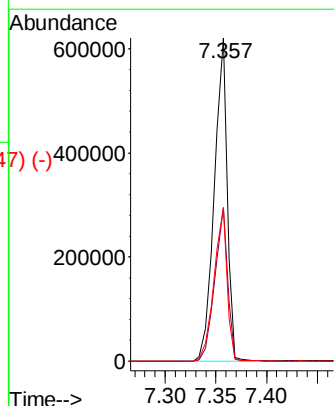
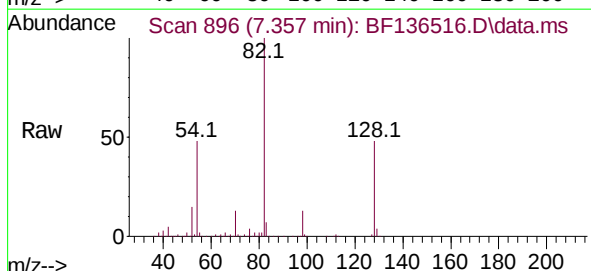
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

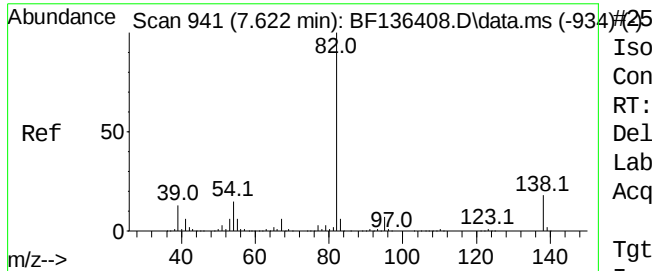
Tgt Ion:	136	Resp:	351232
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	7.7	5.7	8.5
68	5.4	4.0	6.0



Nitrobenzene-d5
Concen: 84.562 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

Tgt Ion:	82	Resp:	549401
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.3	54.5
54	47.5	39.0	58.6





Isophorone

Concen: 47.067 ng

RT: 7.357 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

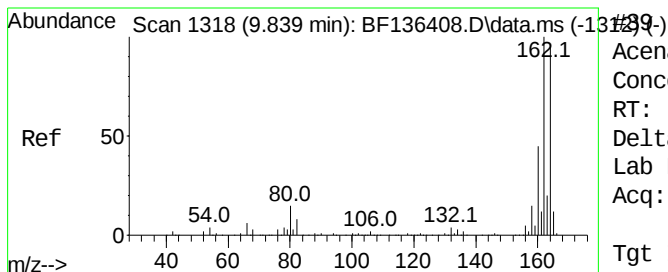
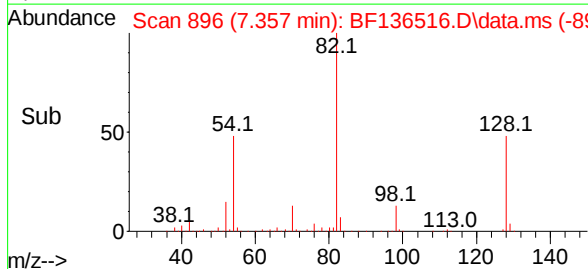
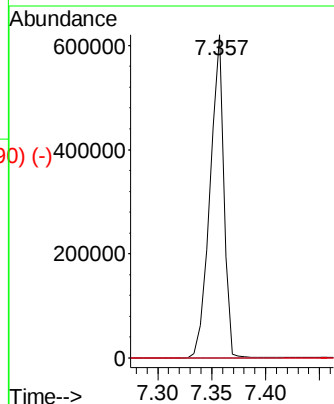
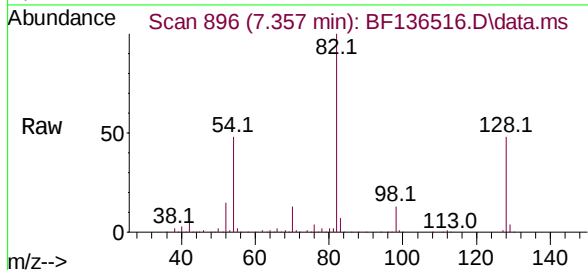
Tgt Ion: 82 Resp: 549395

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: BF136516.D

Acq: 12 Dec 2023 15:14

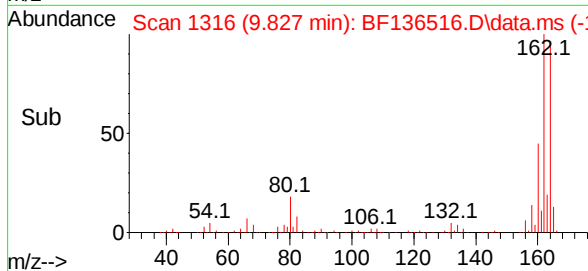
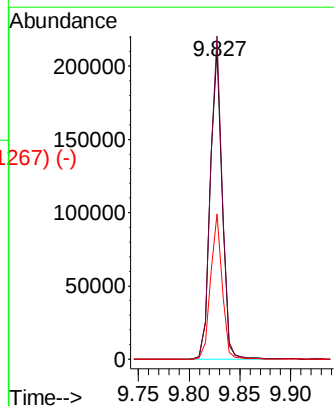
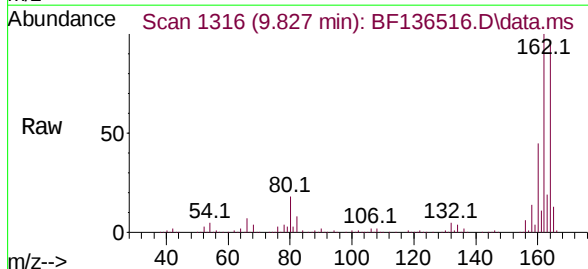
Tgt Ion:164 Resp: 171779

Ion Ratio Lower Upper

164 100

162 104.6 84.4 126.6

160 47.0 37.6 56.4



Abundance Scan 1453 (10.633 min): BF136408.D\data.ms (-1463) (-)

2,4,6-Tribromophenol

Concen: 121.348 ng

RT: 10.622 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136516.D

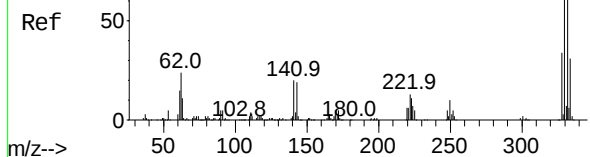
Acq: 12 Dec 2023 15:14

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



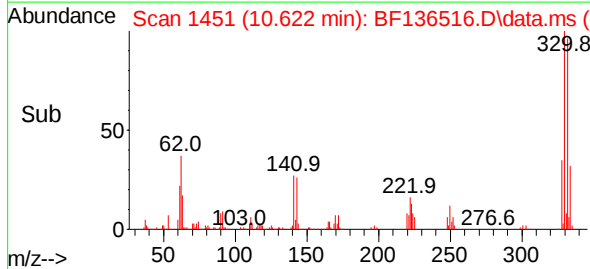
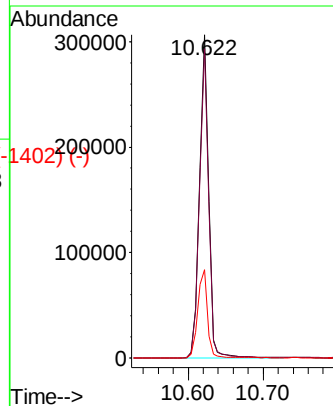
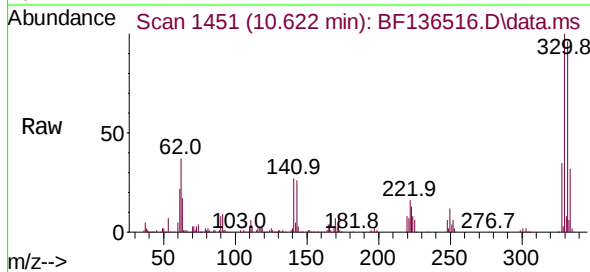
Tgt Ion:330 Resp: 257022

Ion Ratio Lower Upper

330 100

332 96.1 76.4 114.6

141 29.3 23.4 35.2



Abundance Scan 1203 (9.163 min): BF136408.D\data.ms (-11945) (-)

2-Fluorobiphenyl

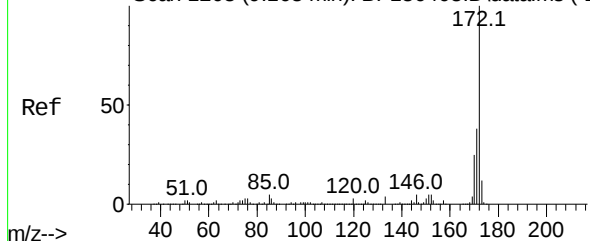
Concen: 74.679 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14



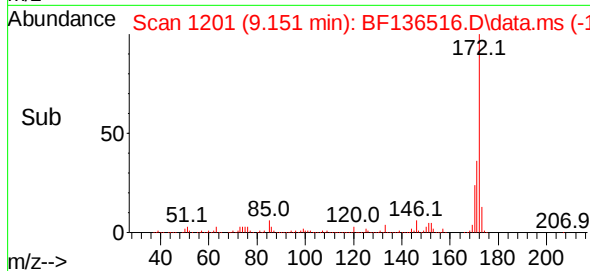
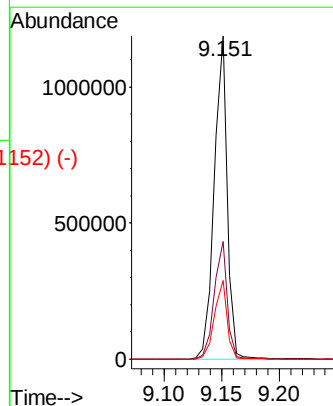
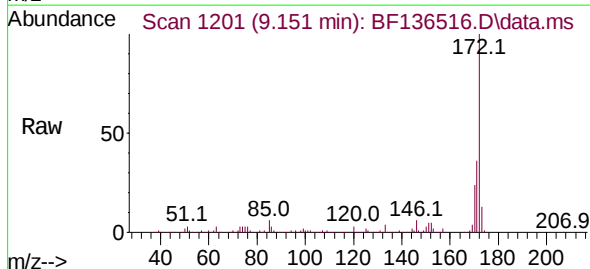
Tgt Ion:172 Resp: 940151

Ion Ratio Lower Upper

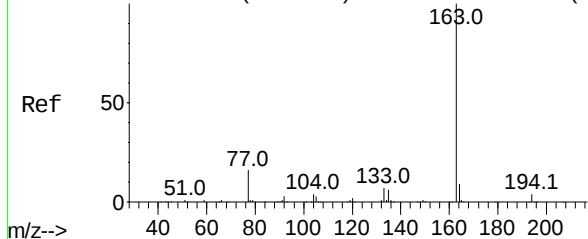
172 100

171 36.5 30.5 45.7

170 24.2 19.9 29.9



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



Dimethylphthalate

Concen: 2.715 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

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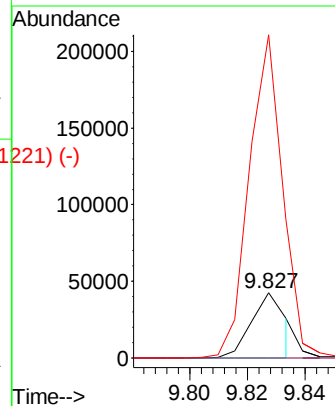
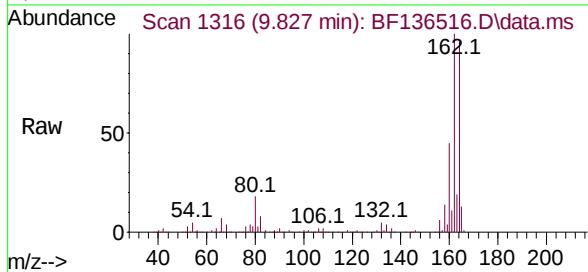
Tgt Ion:163 Resp: 34337

Ion Ratio Lower Upper

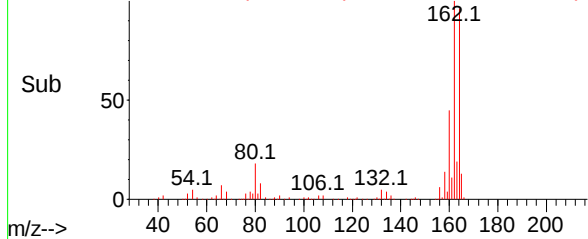
163 100

194 0.0 3.0 4.6#

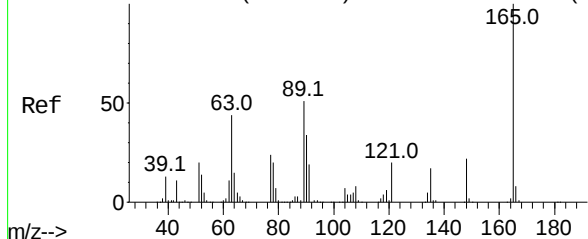
164 495.5 7.4 11.2#



Abundance Scan 1316 (9.827 min): BF136516.D\data.ms (-1221) (-)



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



2,6-Dinitrotoluene

Concen: 7.889 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

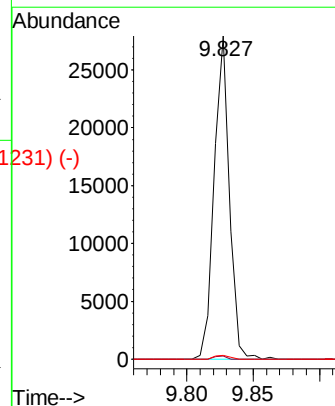
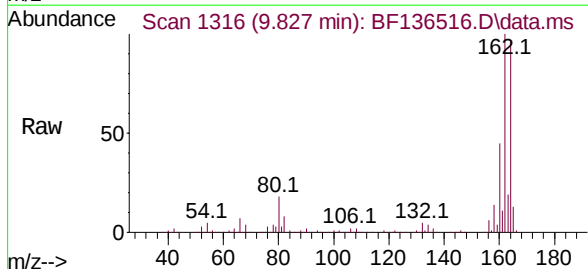
Tgt Ion:165 Resp: 22447

Ion Ratio Lower Upper

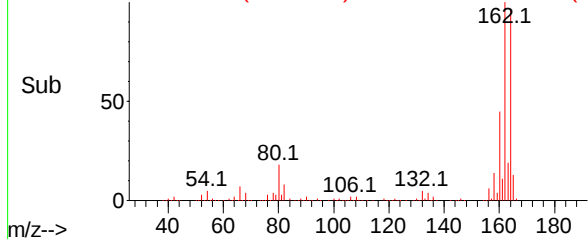
165 100

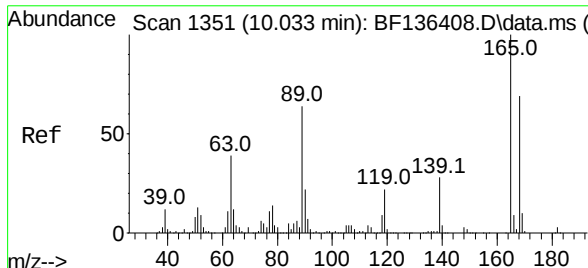
63 1.0 40.4 60.6#

89 1.2 40.6 60.8#



Abundance Scan 1316 (9.827 min): BF136516.D\data.ms (-1231) (-)

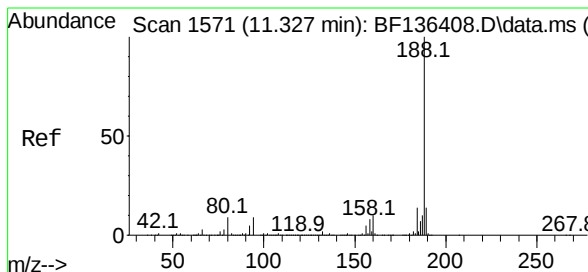
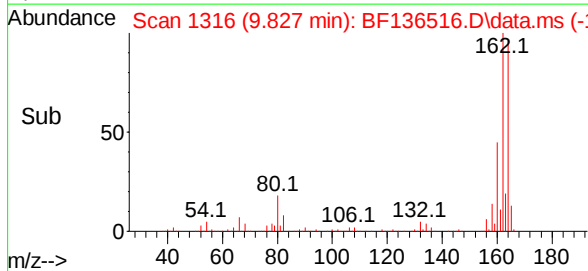
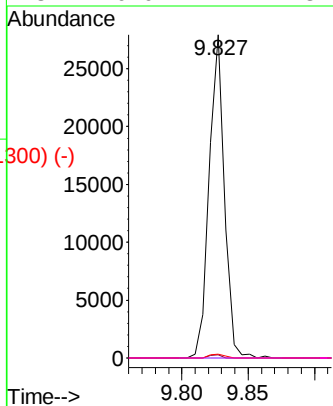
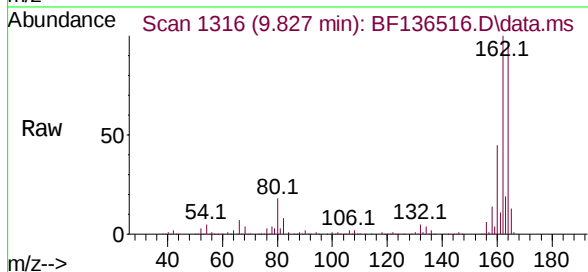




Scan 1351 (10.033 min): BF136408.D\data.ms (-1351) (-)
 2,4-Dinitrotoluene
 Concen: 5.964 ng
 RT: 9.827 min Scan# 1351
 Delta R.T. -0.206 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

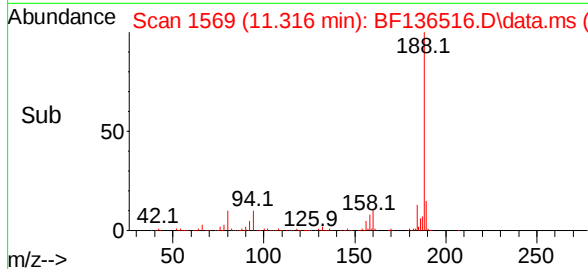
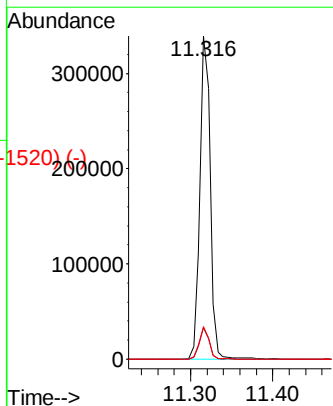
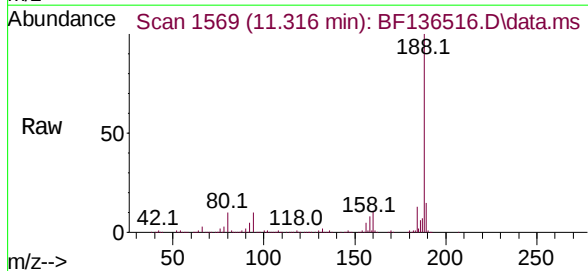
Instrument :
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 ClientSampleId :
 SB-03-COMP

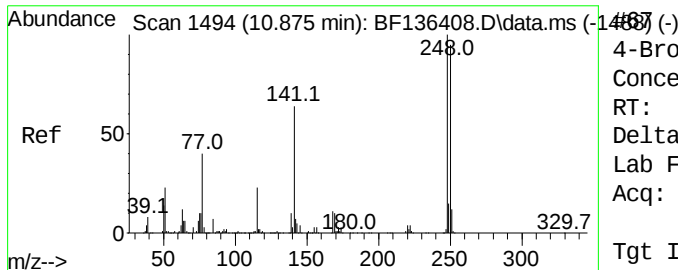
Tgt Ion:	165	Resp:	22447
Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.4	47.2#
89	1.2	51.7	77.5#
182	0.0	2.2	3.2#



Scan 1571 (11.327 min): BF136408.D\data.ms (-1569) (-)
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion:	188	Resp:	291437
Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.2	10.8
80	10.0	7.2	10.8

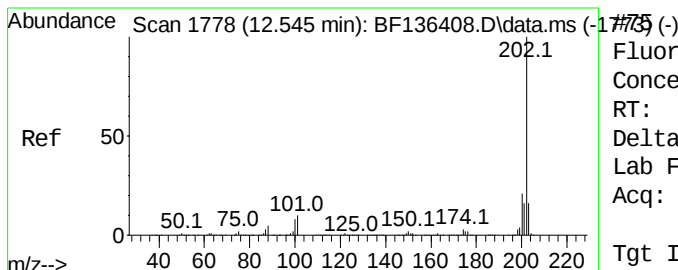
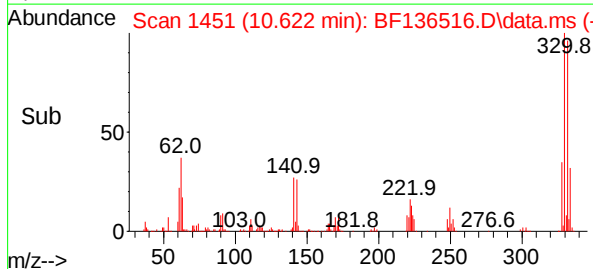
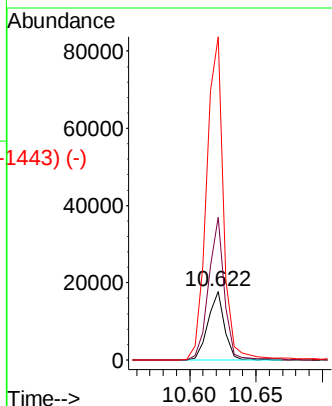
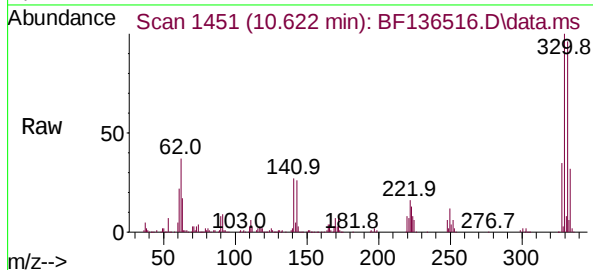




4-Bromophenyl-phenylether
Concen: 4.536 ng
RT: 10.622 min Scan# 1487
Delta R.T. -0.253 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

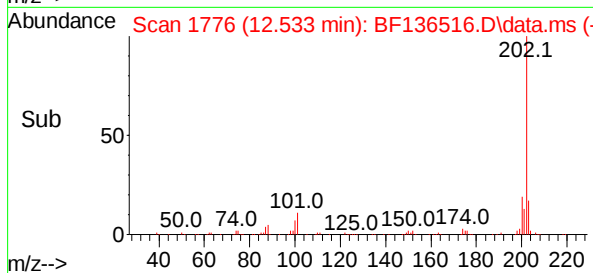
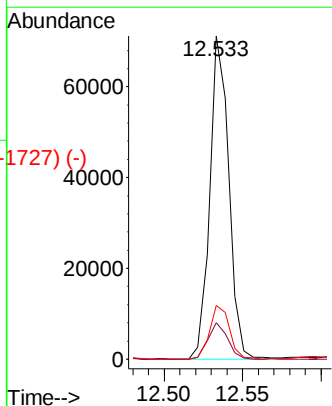
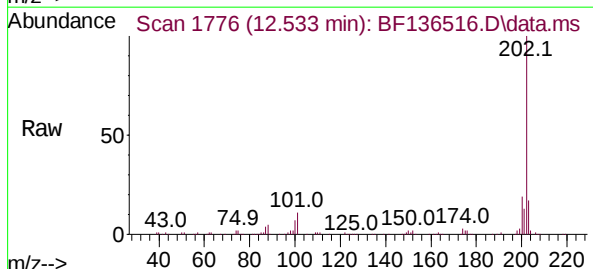
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

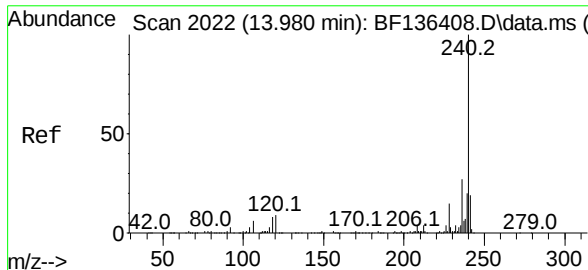
Tgt Ion:	248	Resp:	15371
Ion	Ratio	Lower	Upper
248	100		
250	207.6	76.2	114.2#
141	471.1	51.0	76.4#



Fluoranthene
Concen: 3.597 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

Tgt Ion:	202	Resp:	60388
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	29.9
203	16.6	0.0	36.3

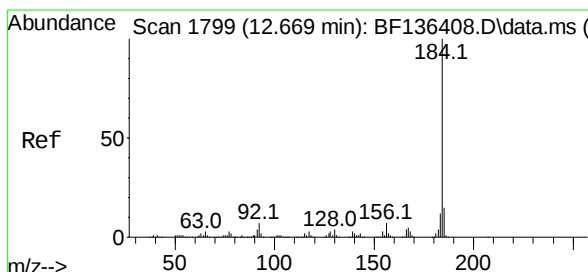
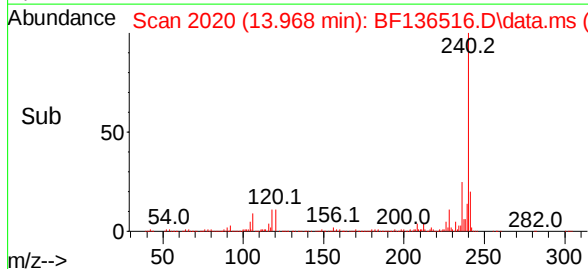
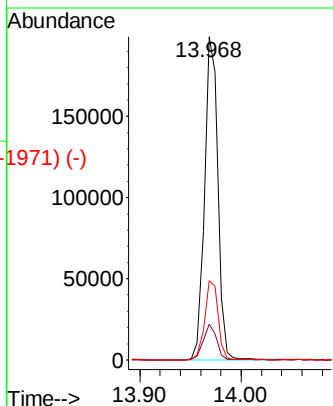
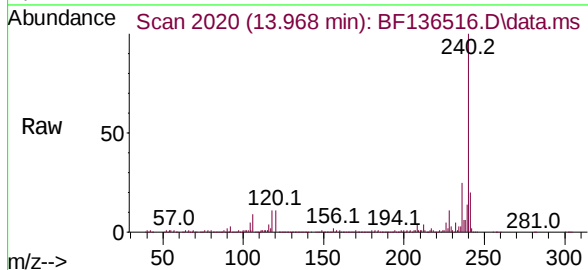




Chrysene-d12
 Concen: 20.000 ng
 RT: 13.968 min Scan# 175
 Delta R.T. -0.012 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

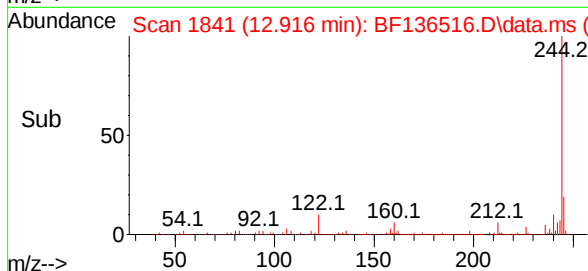
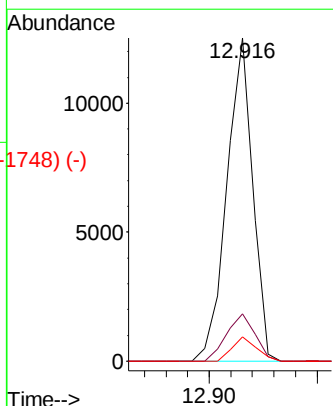
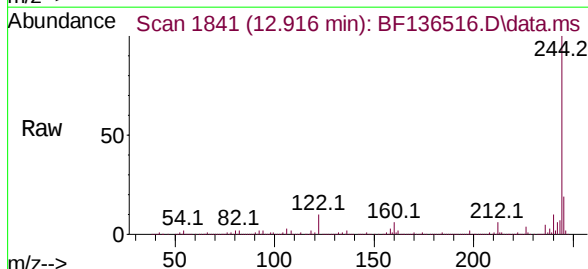
Instrument :
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 ClientSampleId :
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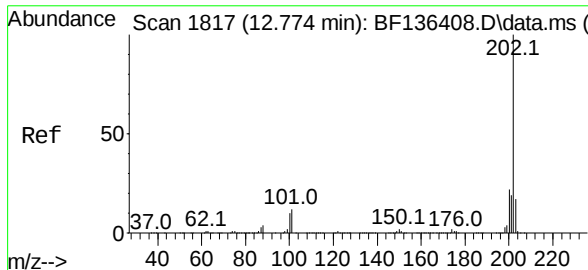
Tgt Ion:	240	Resp:	181915
Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.3	10.9#
236	24.5	21.3	31.9



Benzidine
 Concen: 2.165 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. 0.246 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion:	184	Resp:	10534
Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.0	18.0
183	7.5	9.4	14.0#

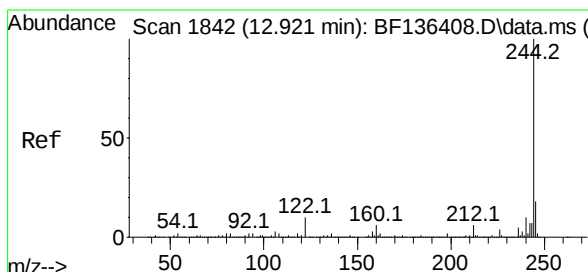
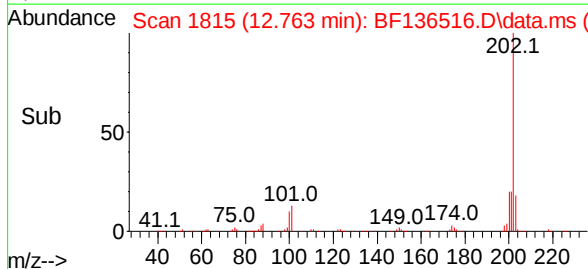
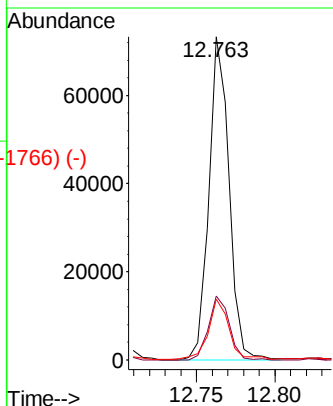
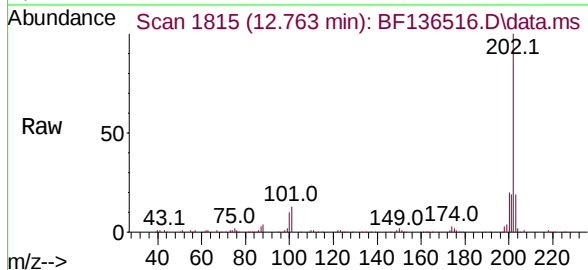




Pyrene
Concen: 3.697 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

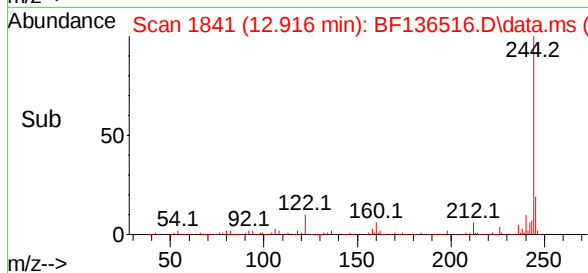
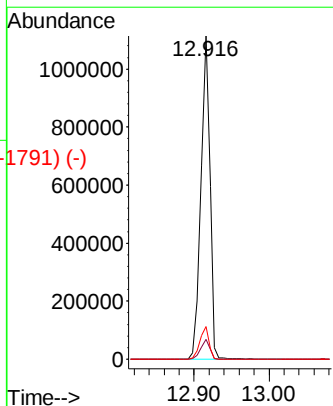
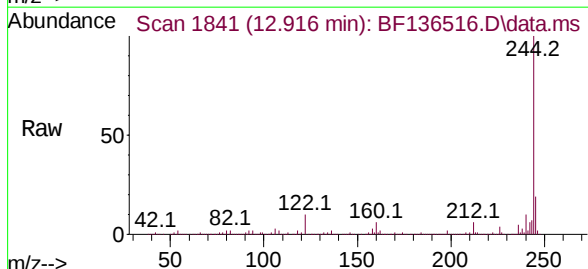
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

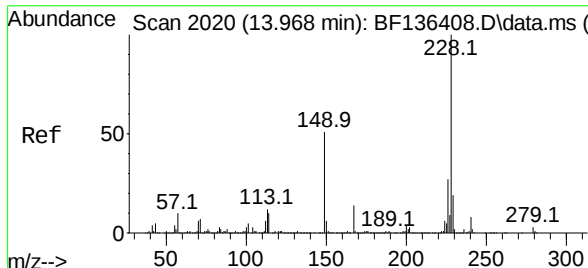
Tgt Ion:	202	Resp:	65862
Ion	Ratio	Lower	Upper
202	100		
200	19.7	18.0	27.0
203	18.7	13.5	20.3



Terphenyl-d14
Concen: 67.944 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

Tgt Ion:	244	Resp:	937757
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.0	7.4
122	10.1	8.3	12.5

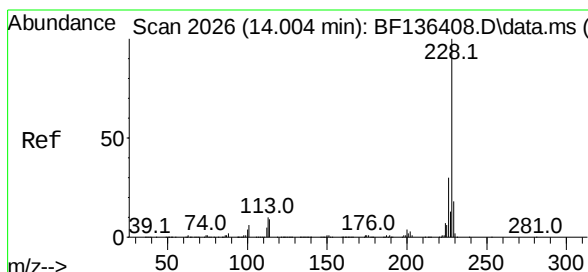
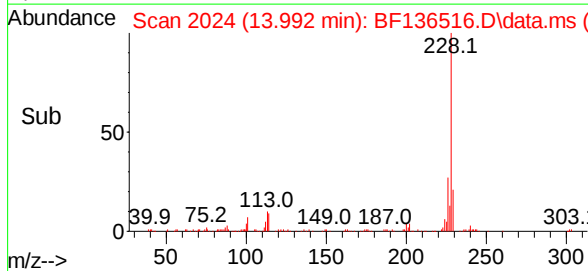
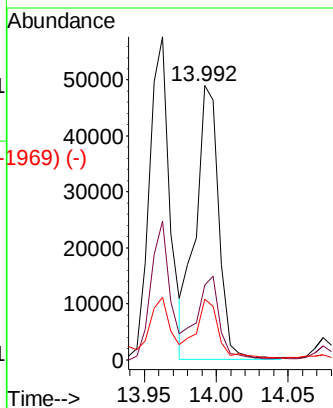
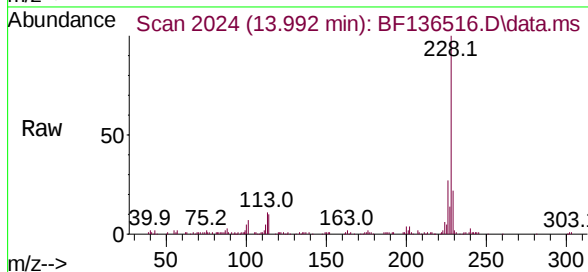




Benzo(a)anthracene
 Concen: 4.364 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. 0.023 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

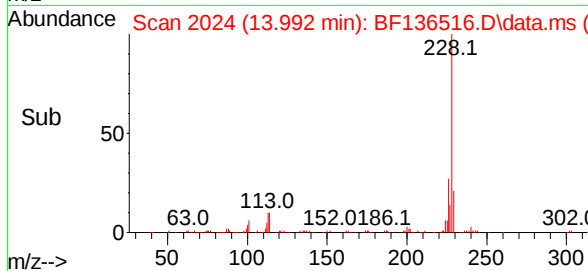
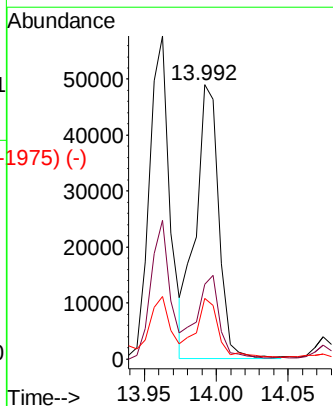
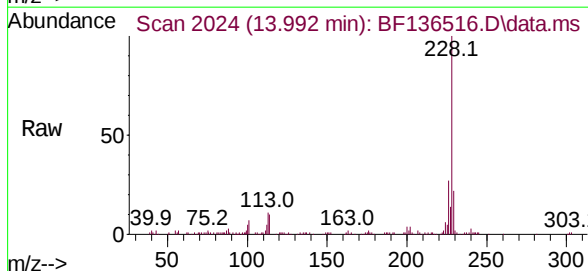
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

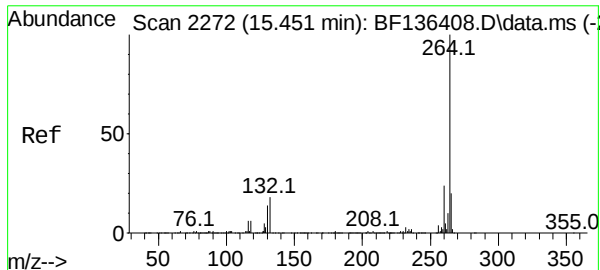
Tgt Ion:	228	Resp:	55300
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	22.1	15.0	22.4



Chrysene
 Concen: 4.436 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.012 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion:	228	Resp:	55300
Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.8	35.6
229	22.1	14.8	22.2

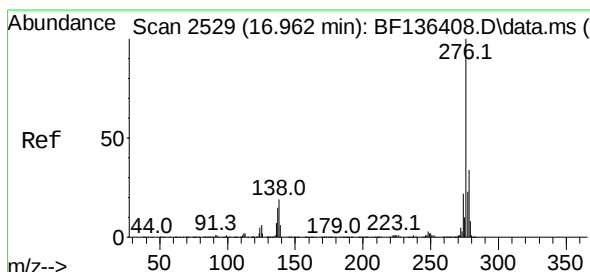
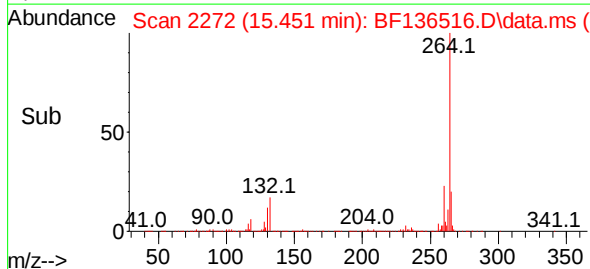
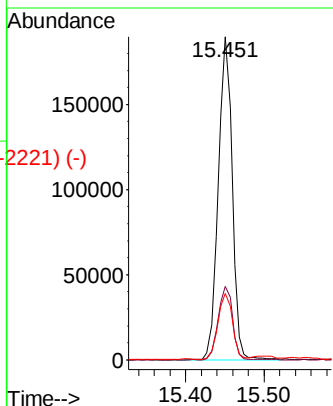
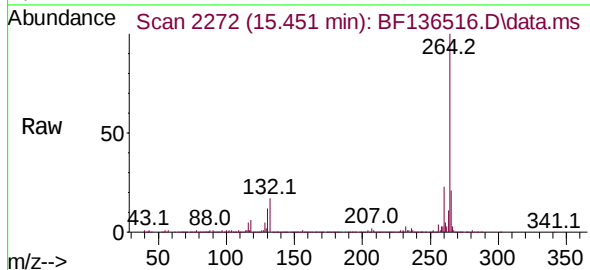




Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

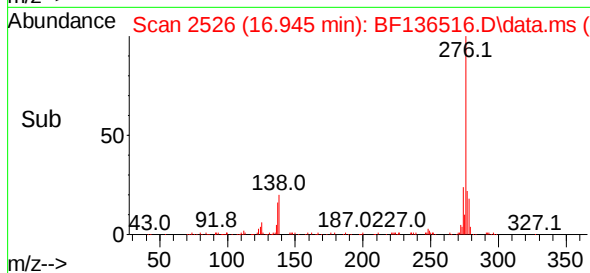
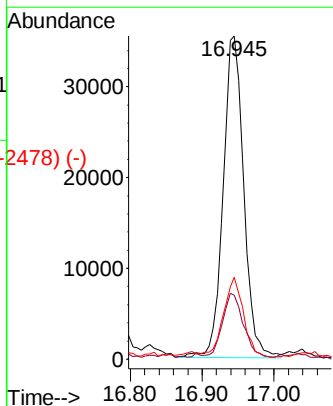
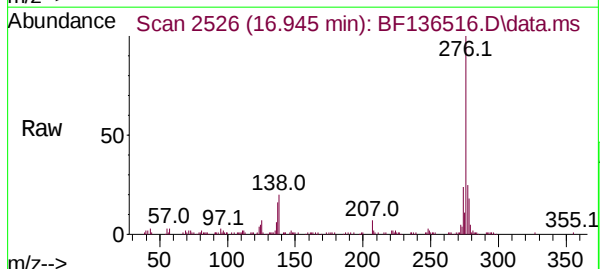
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ClientSampleId :
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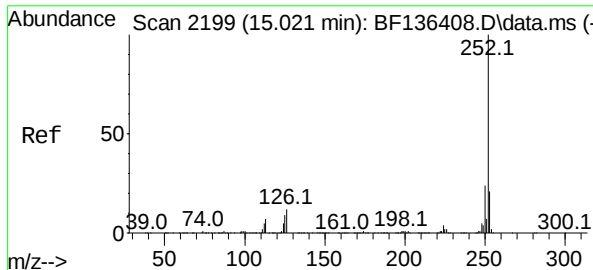
Tgt Ion:	264	Resp:	232915
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.6	15.9	23.9



Indeno(1,2,3-cd)pyrene
Concen: 4.372 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF136516.D
Acq: 12 Dec 2023 15:14

Tgt Ion:	276	Resp:	70751
Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.0	28.4
277	24.1	20.0	30.0

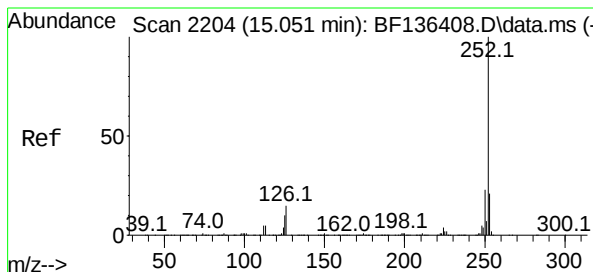
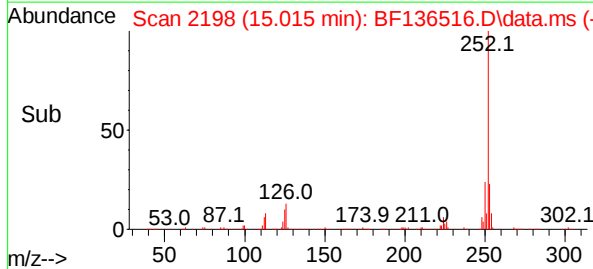
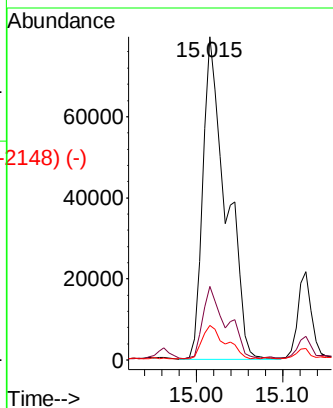
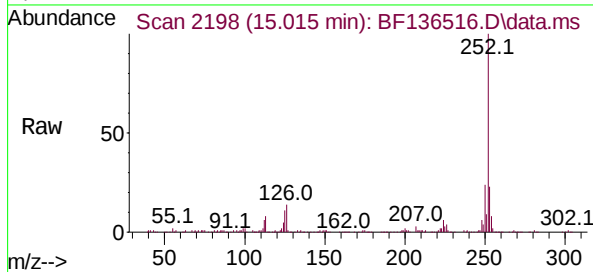




Benzo(b)fluoranthene
 Concen: 9.375 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

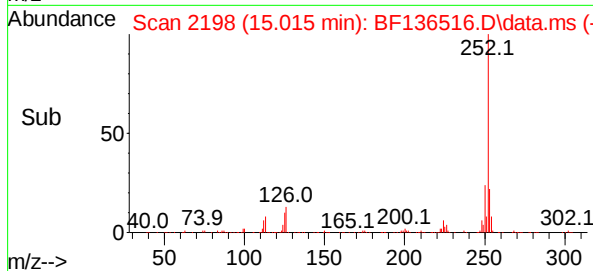
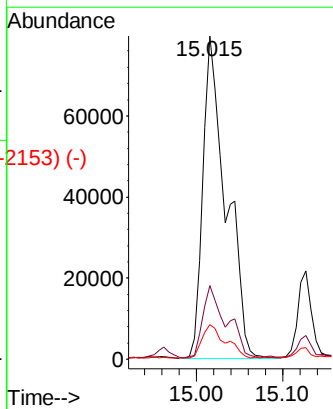
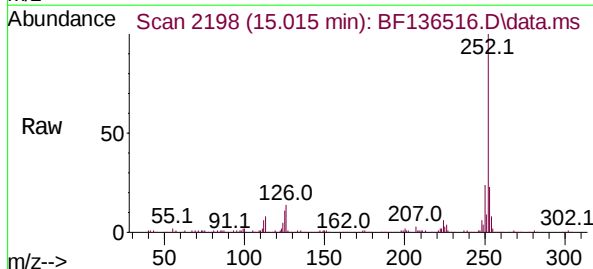
Instrument :
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 ClientSampleId :
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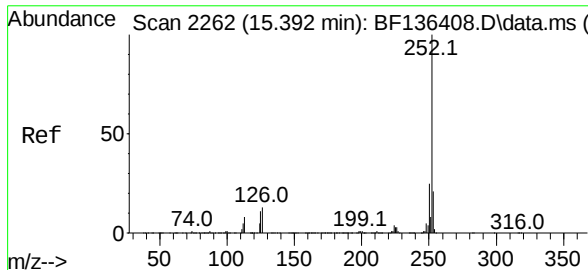
Tgt Ion:	252	Resp:	149292
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.9	25.3
125	10.7	7.4	11.2



Benzo(k)fluoranthene
 Concen: 9.948 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. -0.035 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion:	252	Resp:	149292
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.9	25.3
125	10.7	7.5	11.3

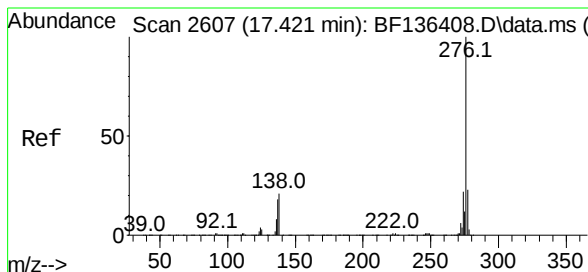
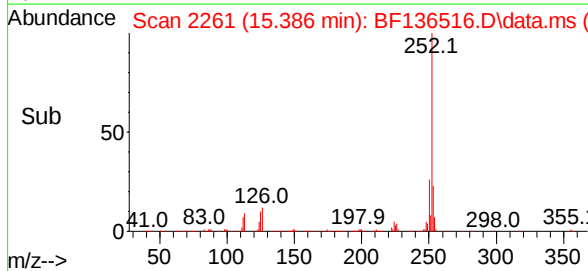
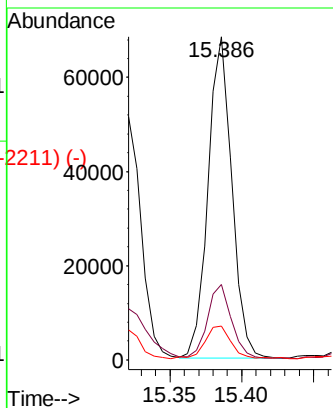
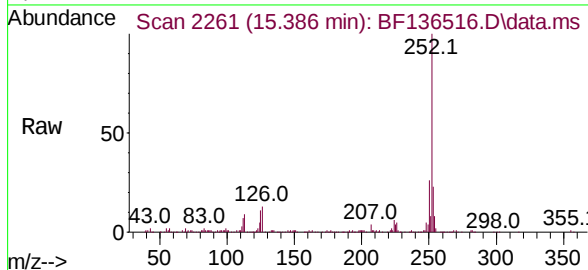




Benzo(a)pyrene
 Concen: 5.941 ng
 RT: 15.386 min Scan# 2262
 Delta R.T. -0.006 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tgt Ion:	252	Resp:	78133
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.4
125	10.6	8.6	13.0



Benzo(g,h,i)perylene
 Concen: 4.851 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.024 min
 Lab File: BF136516.D
 Acq: 12 Dec 2023 15:14

Tgt Ion:	276	Resp:	66000
Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.7	28.1
138	20.4	16.6	25.0

