

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122123\
 Data File : BN029159.D
 Acq On : 21 Dec 2023 20:19
 Operator : MA/JU
 Sample : 05720-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 TT-FRACSEDIMENT-IDWSO-20231207MSD

Quant Time: Dec 25 01:26:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 18:03:30 2023
 Response via : Initial Calibration

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

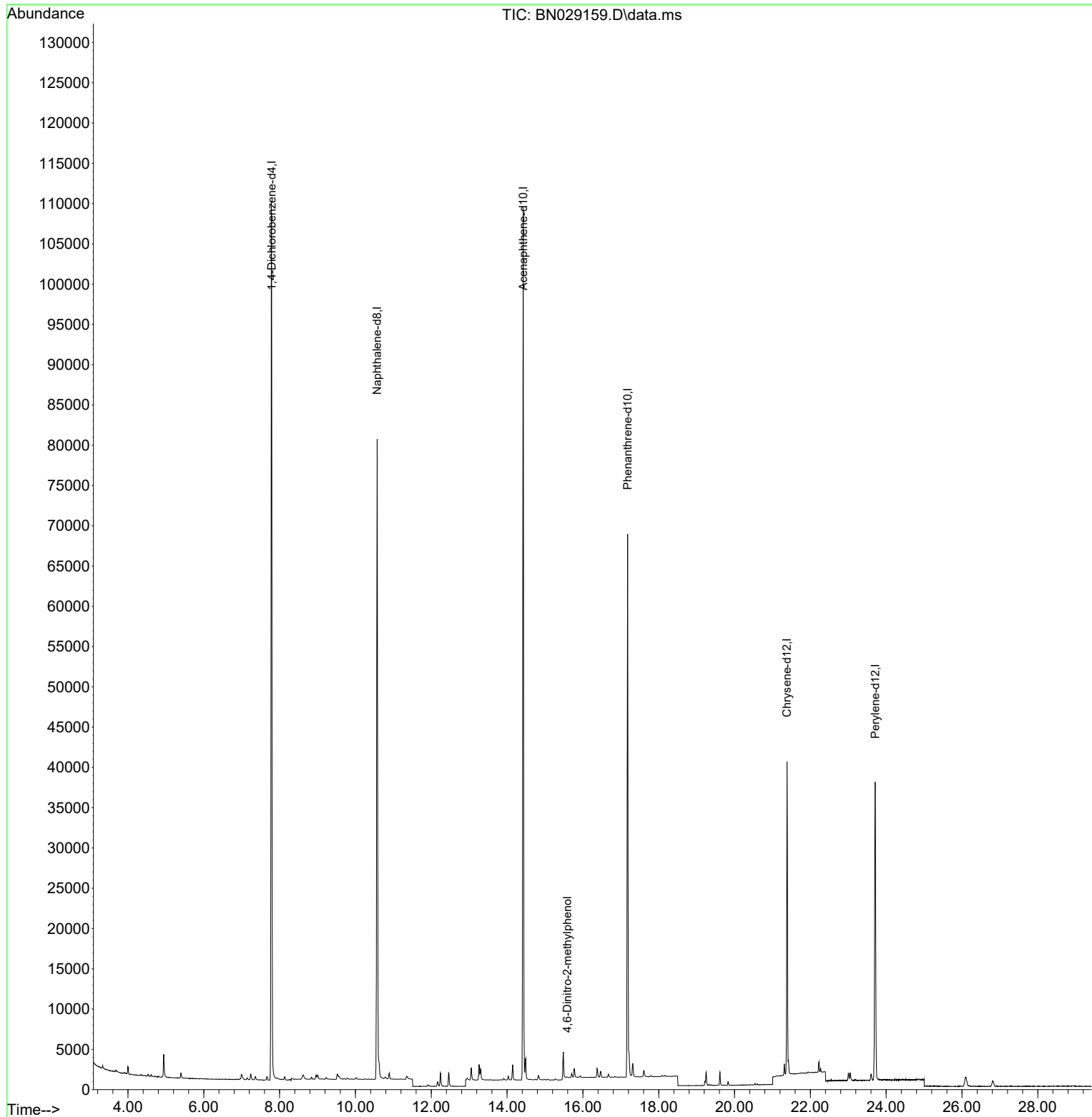
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	55453	20.000	ng	0.00
7) Naphthalene-d8	10.573	136	104049	20.000	ng	#-0.01
13) Acenaphthene-d10	14.425	164	55075	20.000	ng	0.00
19) Phenanthrene-d10	17.181	188	87860	20.000	ng	# 0.00
29) Chrysene-d12	21.384	240	33469	20.000	ng	# 0.00
35) Perylene-d12	23.712	264	47493	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	550	0.207	ng	0.00
5) Phenol-d6	6.995	99	683	0.234	ng	0.00
8) Nitrobenzene-d5	8.961	82	579	0.213	ng	0.00
11) 2-Methylnaphthalene-d10	12.170	152	1088	0.345	ng	0.00
14) 2,4,6-Tribromophenol	15.927	330	144	0.150	ng	0.00
15) 2-Fluorobiphenyl	13.057	172	1432	0.223	ng	0.00
27) Fluoranthene-d10	19.220	212	664	0.156	ng	0.00
31) Terphenyl-d14	19.828	244	450	0.245	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.333	88	272	0.260	ng	# 43
3) n-Nitrosodimethylamine	3.680	42	219	0.305	ng	# 61
6) bis(2-Chloroethyl)ether	7.240	93	641	0.283	ng	92
9) Naphthalene	10.626	128	1875	0.277	ng	98
10) Hexachlorobutadiene	10.893	225	544	0.244	ng	# 99
12) 2-Methylnaphthalene	12.242	142	1223	0.276	ng	98
16) Acenaphthylene	14.147	152	2091	0.269	ng	97
17) Acenaphthene	14.490	154	1215	0.261	ng	94
18) Fluorene	15.484	166	1694	0.270	ng	99
20) 4,6-Dinitro-2-methylph...	15.592	198	101	3.259	ng	90
21) 4-Bromophenyl-phenylether	16.386	248	513	0.282	ng	97
22) Hexachlorobenzene	16.473	284	521	0.246	ng	# 76
23) Atrazine	16.672	200	386	0.253	ng	98
24) Pentachlorophenol	16.846	266	63	0.050	ng	# 82
25) Phenanthrene	17.218	178	2193	0.302	ng	97
26) Anthracene	17.317	178	1947	0.278	ng	99
28) Fluoranthene	19.252	202	1662	0.222	ng	99
30) Pyrene	19.615	202	1617	0.307	ng	98
32) Benzo(a)anthracene	21.375	228	1310	0.356	ng	98
33) Chrysene	21.420	228	1034	0.284	ng	99
34) Bis(2-ethylhexyl)phtha...	21.313	149	1274	Below Cal		# 99
36) Indeno(1,2,3-cd)pyrene	26.080	276	1867	0.305	ng	# 80
37) Benzo(b)fluoranthene	23.005	252	1322	0.274	ng	96
38) Benzo(k)fluoranthene	23.052	252	1186	0.251	ng	95
39) Benzo(a)pyrene	23.604	252	1234	0.286	ng	94
40) Dibenzo(a,h)anthracene	26.110	278	1462	0.311	ng	95
41) Benzo(g,h,i)perylene	26.814	276	1533	0.296	ng	98

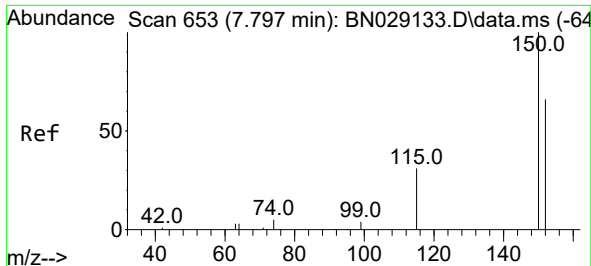
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122123\
Data File : BN029159.D
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Misc :
ALS Vial : 13 Sample Multiplier: 50

Instrument :
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TT-FRACSEDIMENT-IDWSO-20231207MSD

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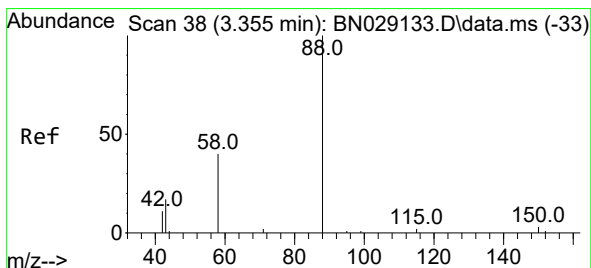
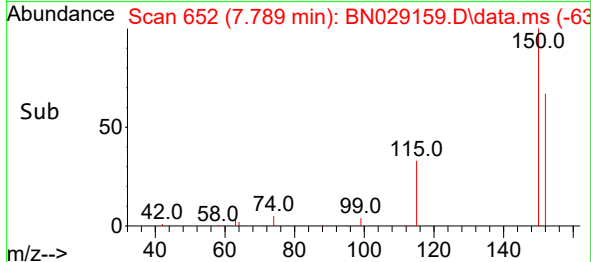
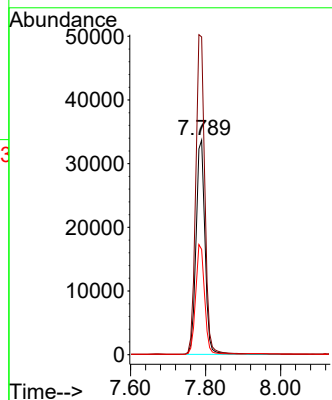
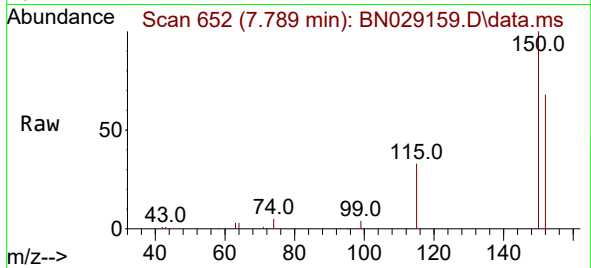




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.789 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN029159.D
 Acq: 21 Dec 2023 20:19

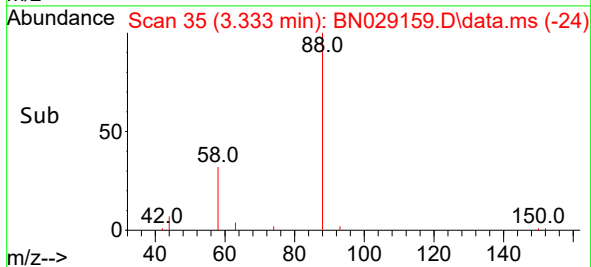
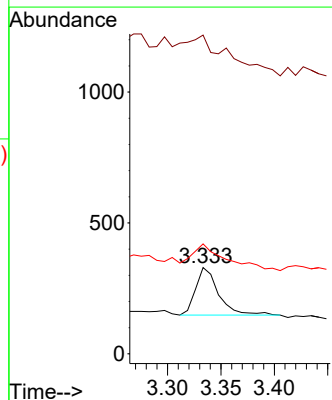
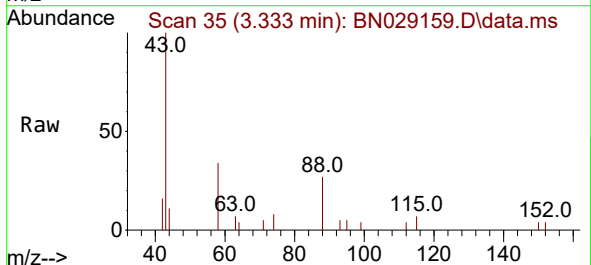
Instrument :
 BNA_N
 ClientSampleId :
 TT-FRACSEDIMENT-IDWSO-20231207MSD

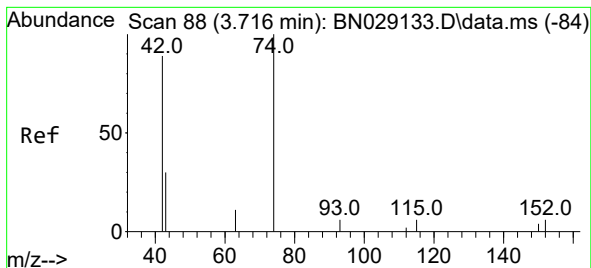
Tgt Ion:152 Resp: 55453
 Ion Ratio Lower Upper
 152 100
 150 148.1 117.6 176.4
 115 49.1 44.2 66.2



#2
 1,4-Dioxane
 Concen: 0.260 ng
 RT: 3.333 min Scan# 35
 Delta R.T. -0.022 min
 Lab File: BN029159.D
 Acq: 21 Dec 2023 20:19

Tgt Ion: 88 Resp: 272
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.1 30.1#
 58 83.5 35.4 53.2#

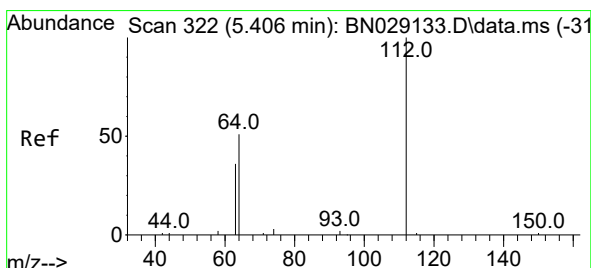
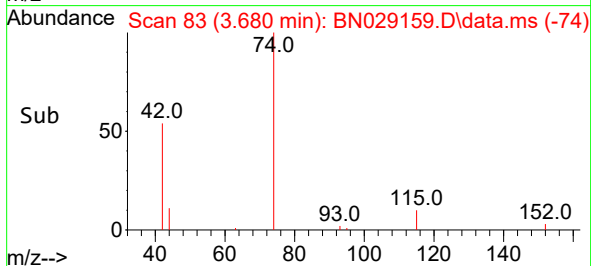
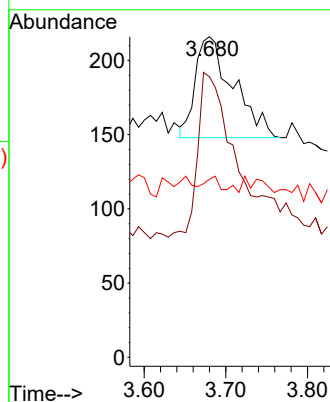
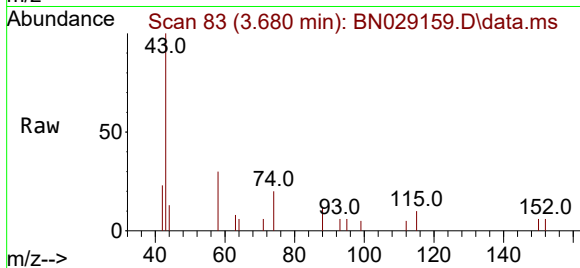




#3
n-Nitrosodimethylamine
Concen: 0.305 ng
RT: 3.680 min Scan# 81
Delta R.T. -0.036 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

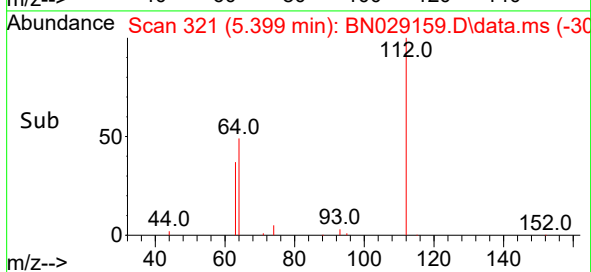
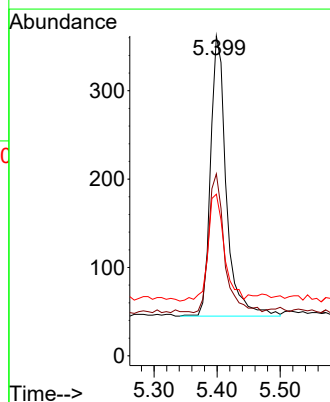
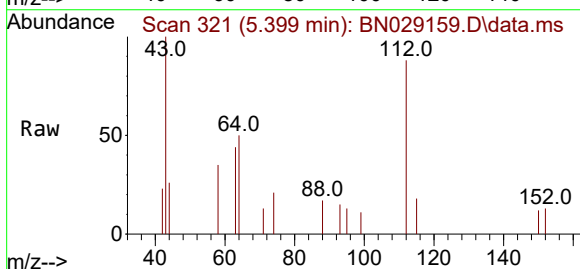
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BNA_N
ClientSampleId :
TT-FRACSEDIMENT-IDWSO-20231207MSD

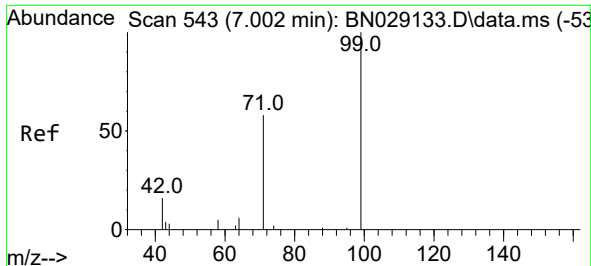
Tgt Ion: 42 Resp: 219
Ion Ratio Lower Upper
42 100
74 175.8 103.0 154.4#
44 4.1 3.2 4.8



#4
2-Fluorophenol
Concen: 0.207 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.007 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion: 112 Resp: 550
Ion Ratio Lower Upper
112 100
64 49.6 38.6 58.0
63 40.2 30.0 45.0

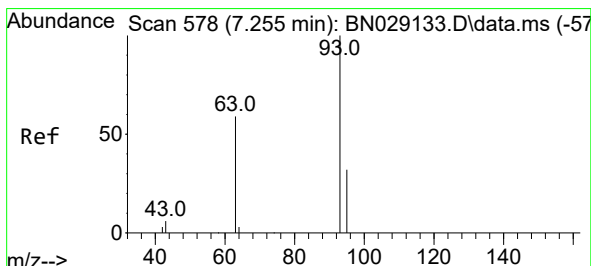
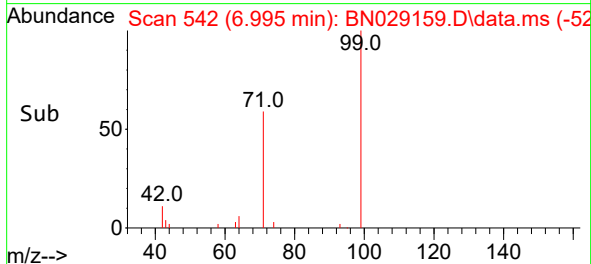
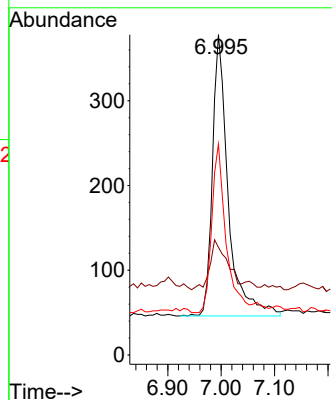
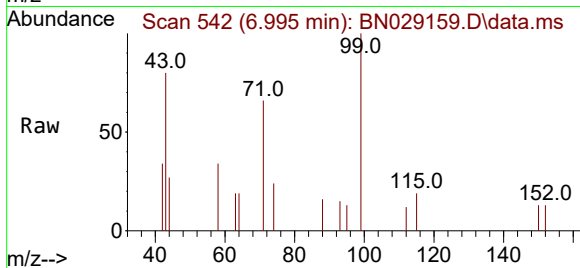




#5
Phenol-d6
Concen: 0.234 ng
RT: 6.995 min Scan# 543
Delta R.T. -0.007 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

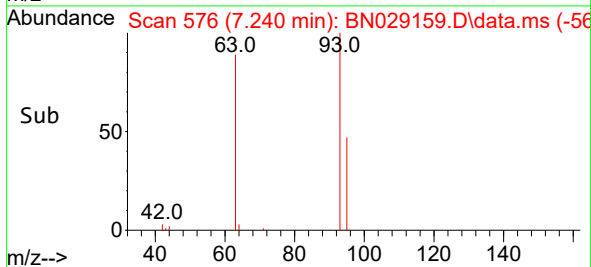
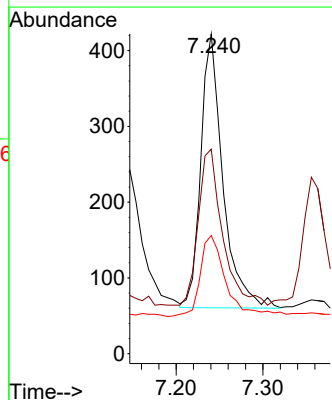
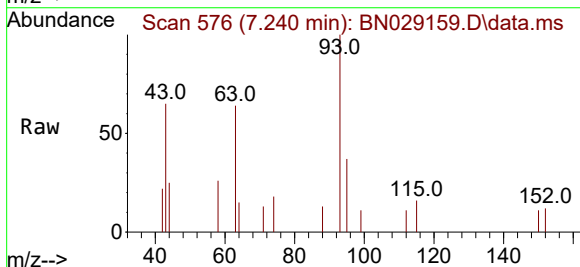
Instrument :
BNA_N
ClientSampleId :
TT-FRACSEDIMENT-IDWSO-20231207MSD

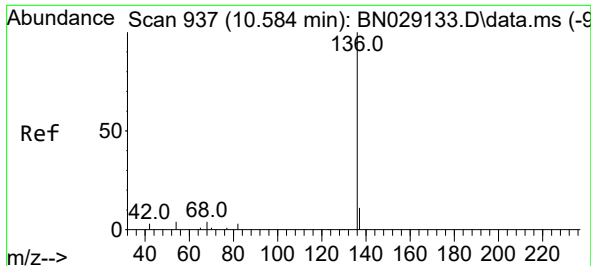
Tgt Ion:	99	Resp:	683
Ion	Ratio	Lower	Upper
99	100		
42	19.5	13.8	20.6
71	53.7	45.4	68.2



#6
bis(2-Chloroethyl)ether
Concen: 0.283 ng
RT: 7.240 min Scan# 576
Delta R.T. -0.015 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion:	93	Resp:	641
Ion	Ratio	Lower	Upper
93	100		
63	61.9	57.0	85.6
95	34.8	27.4	41.2

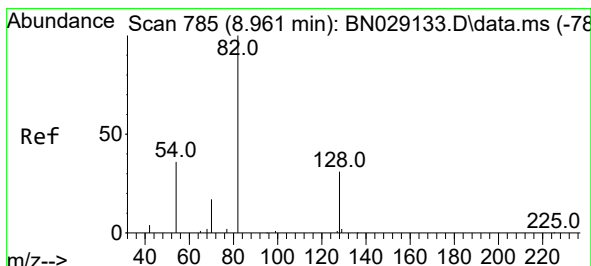
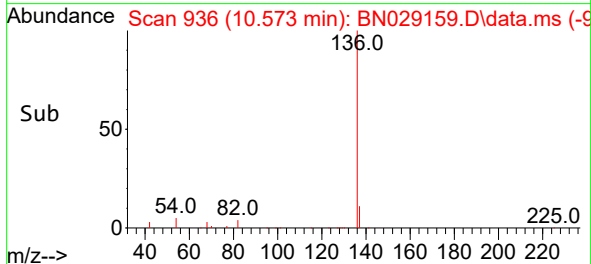
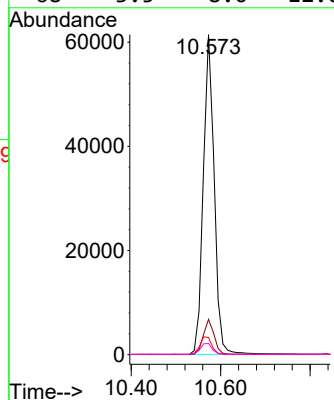
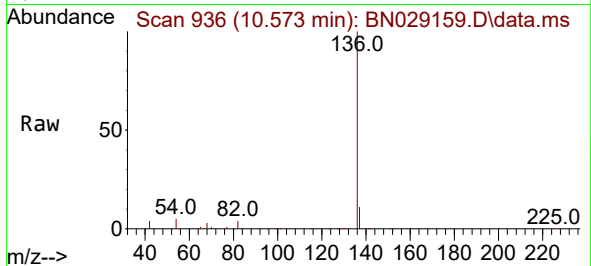




#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

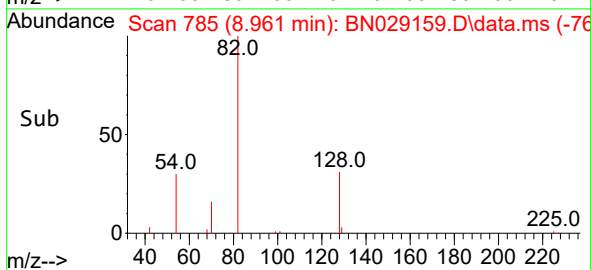
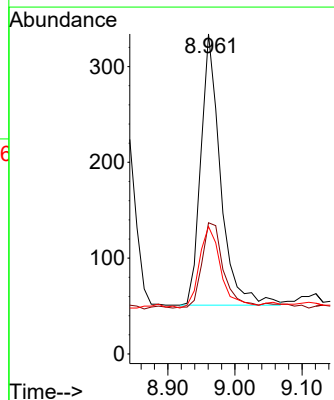
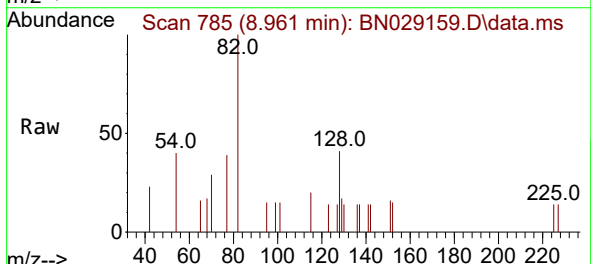
Instrument :
BNA_N
ClientSampleId :
TT-FRACSEDIMENT-IDWSO-20231207MSD

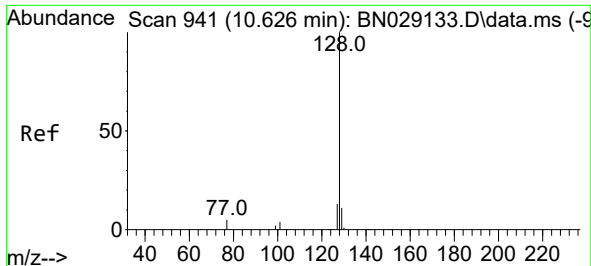
Tgt Ion:136 Resp: 104049
Ion Ratio Lower Upper
136 100
137 11.1 13.4 20.0#
54 5.4 8.6 13.0#
68 3.5 8.0 12.0#



#8
Nitrobenzene-d5
Concen: 0.213 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion: 82 Resp: 579
Ion Ratio Lower Upper
82 100
128 41.0 33.0 49.4
54 39.8 35.8 53.8

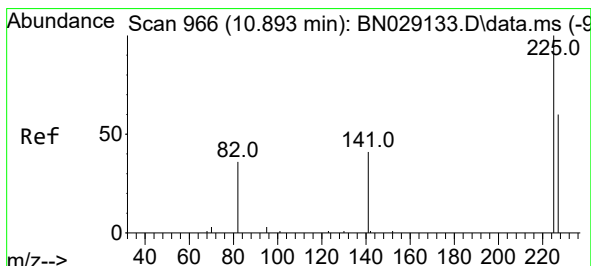
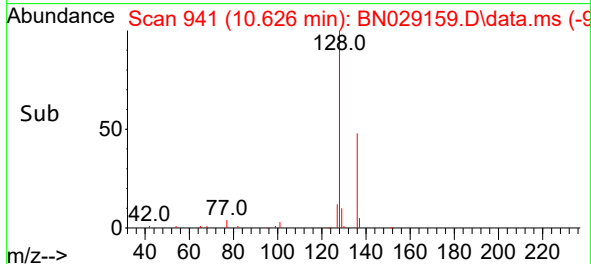
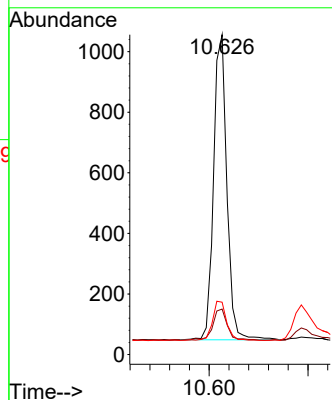
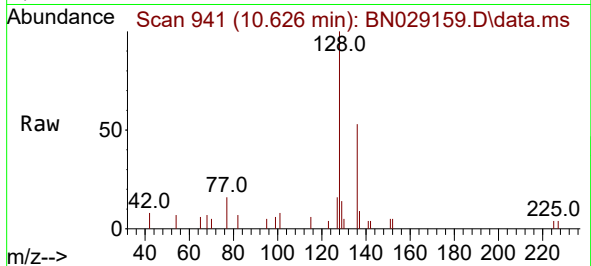




#9
Naphthalene
Concen: 0.277 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

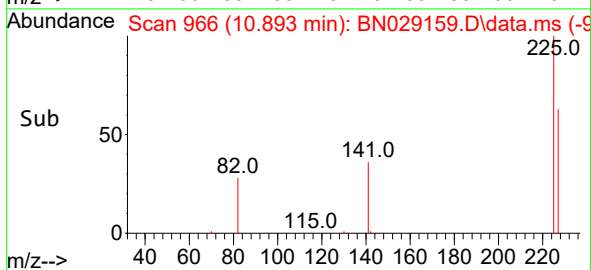
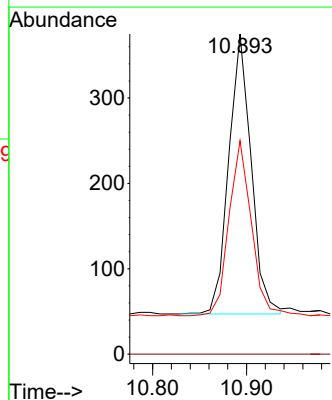
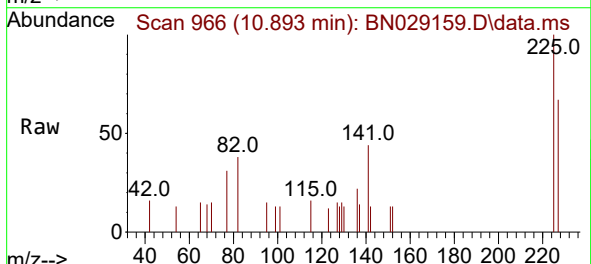
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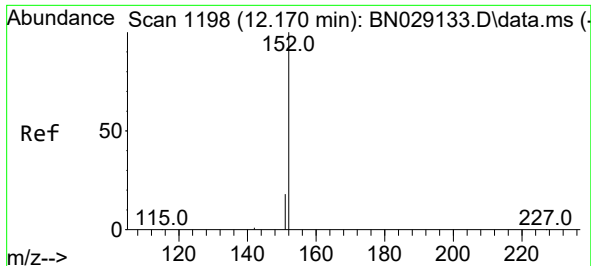
Tgt Ion:128 Resp: 1875
Ion Ratio Lower Upper
128 100
129 14.2 12.0 18.0
127 16.4 14.1 21.1



#10
Hexachlorobutadiene
Concen: 0.244 ng
RT: 10.893 min Scan# 966
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion:225 Resp: 544
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.1 50.6 75.8





#11

2-Methylnaphthalene-d10

Concen: 0.345 ng

RT: 12.170 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

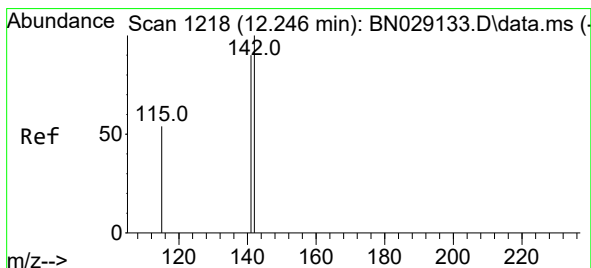
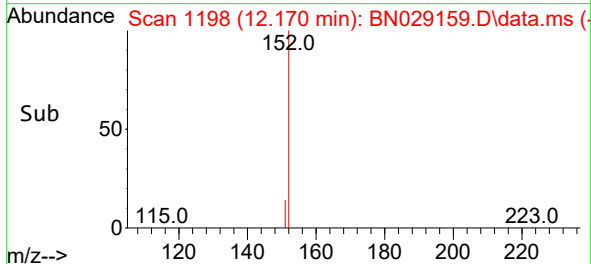
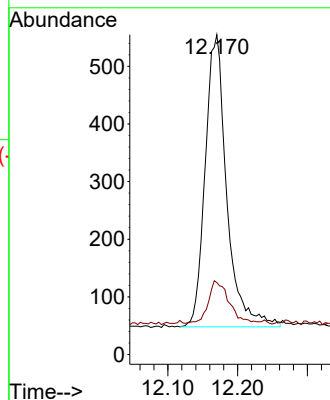
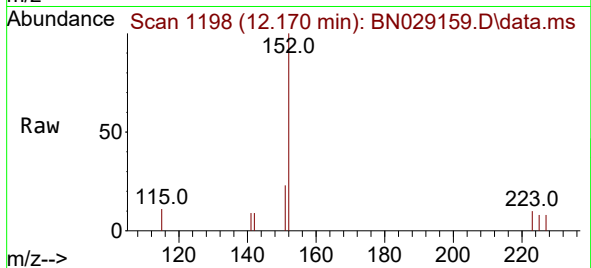
TT-FRACSEDIMENT-IDWSO-20231207MSD

Tgt Ion:152 Resp: 1088

Ion Ratio Lower Upper

152 100

151 14.4 17.4 26.2#



#12

2-Methylnaphthalene

Concen: 0.276 ng

RT: 12.242 min Scan# 1217

Delta R.T. -0.004 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

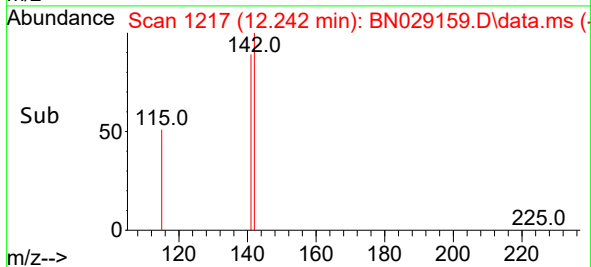
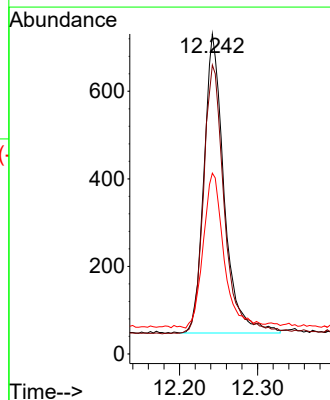
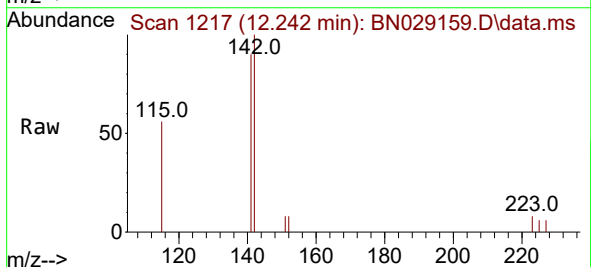
Tgt Ion:142 Resp: 1223

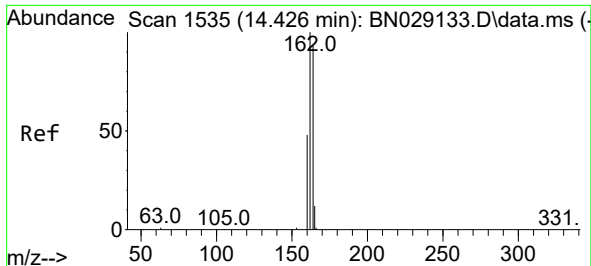
Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.4

115 56.5 46.8 70.2

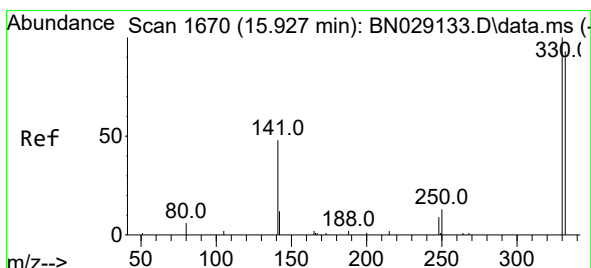
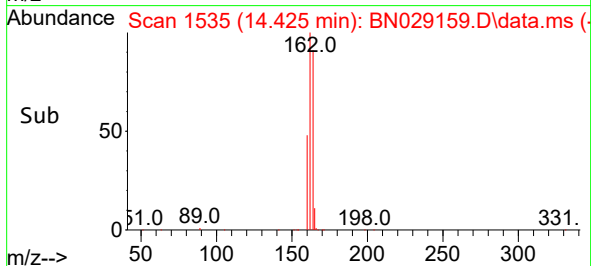
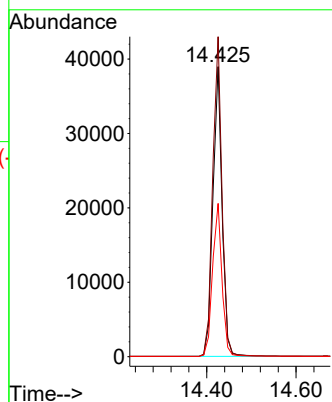
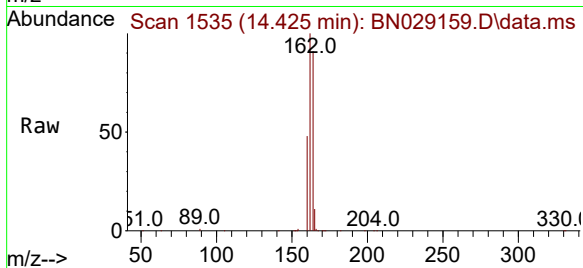




#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

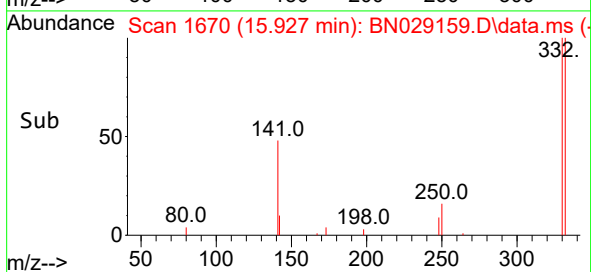
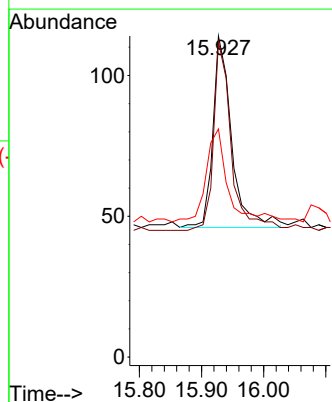
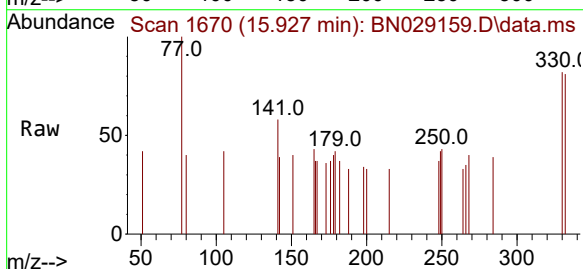
Instrument : BNA_N
ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207MSD

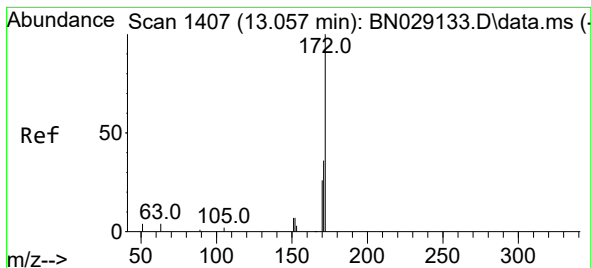
Tgt Ion:164 Resp: 55075
Ion Ratio Lower Upper
164 100
162 110.3 85.0 127.4
160 52.9 45.8 68.8



#14
2,4,6-Tribromophenol
Concen: 0.150 ng
RT: 15.927 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion:330 Resp: 144
Ion Ratio Lower Upper
330 100
332 92.4 83.4 125.0
141 55.6 43.8 65.8





#15

2-Fluorobiphenyl

Concen: 0.223 ng

RT: 13.057 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

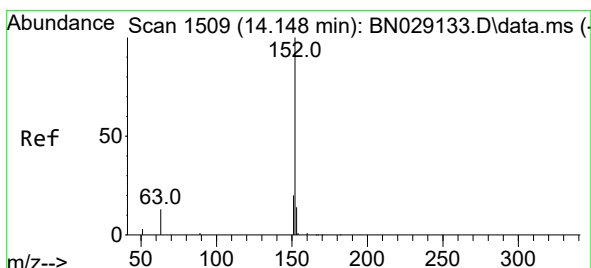
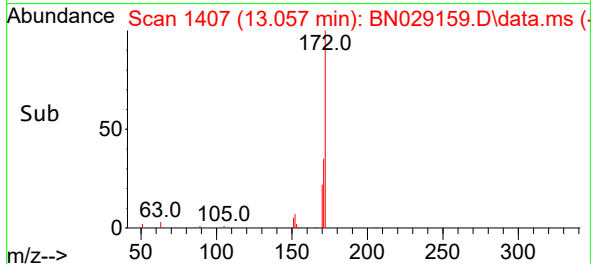
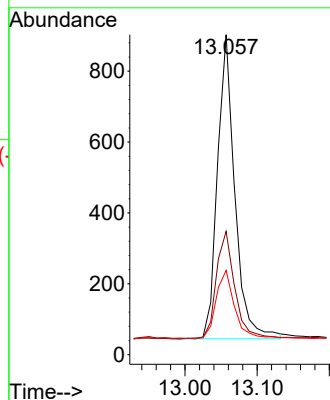
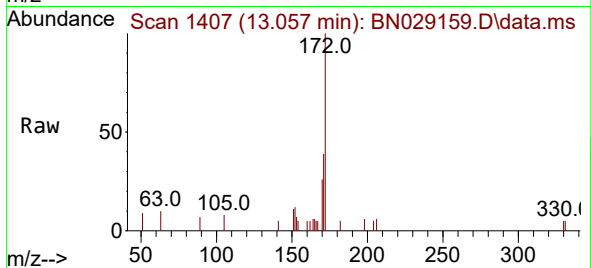
Tgt Ion:172 Resp: 1432

Ion Ratio Lower Upper

172 100

171 38.5 32.2 48.4

170 26.4 25.0 37.4



#16

Acenaphthylene

Concen: 0.269 ng

RT: 14.147 min Scan# 1509

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

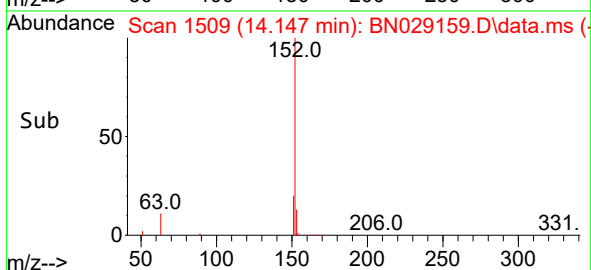
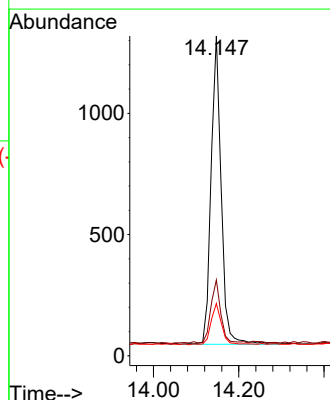
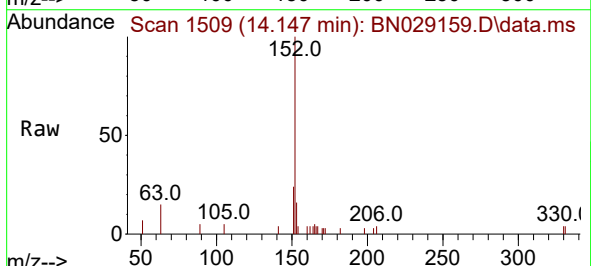
Tgt Ion:152 Resp: 2091

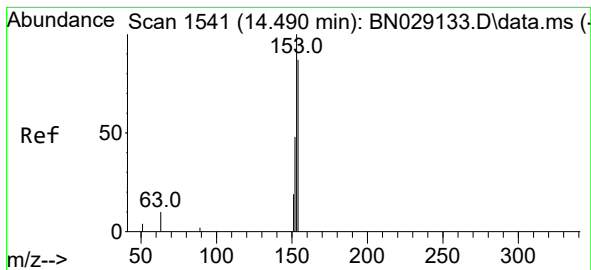
Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

153 14.2 10.1 15.1





#17

Acenaphthene

Concen: 0.261 ng

RT: 14.490 min Scan# 1541

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

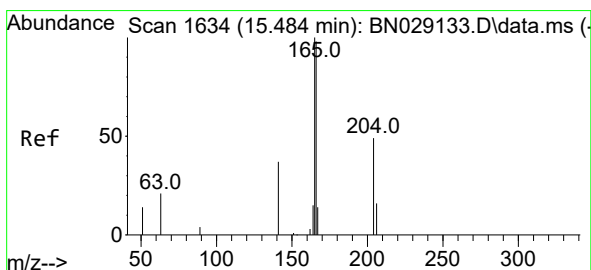
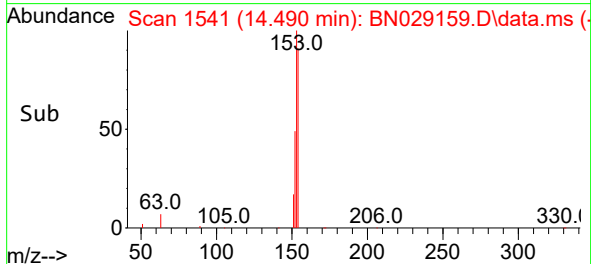
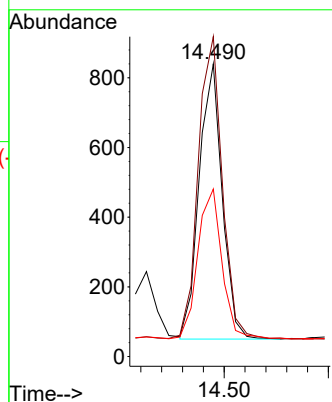
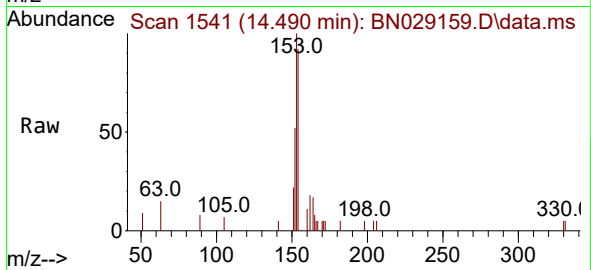
Tgt Ion:154 Resp: 1215

Ion Ratio Lower Upper

154 100

153 116.3 99.9 149.9

152 57.0 47.4 71.2



#18

Fluorene

Concen: 0.270 ng

RT: 15.484 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

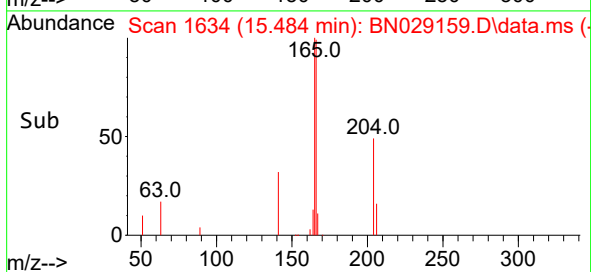
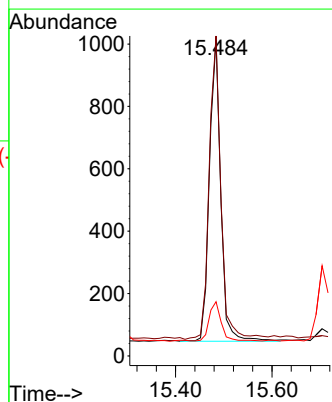
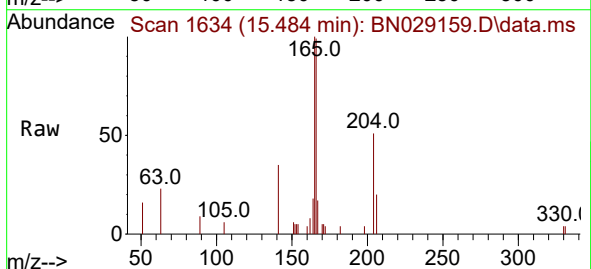
Tgt Ion:166 Resp: 1694

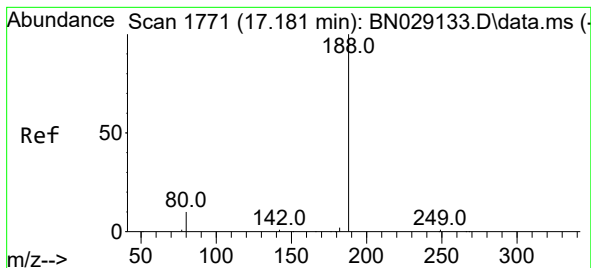
Ion Ratio Lower Upper

166 100

165 103.3 83.4 125.0

167 13.9 11.8 17.8





#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.181 min Scan# 1771

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

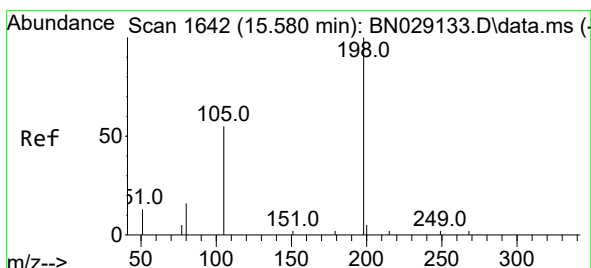
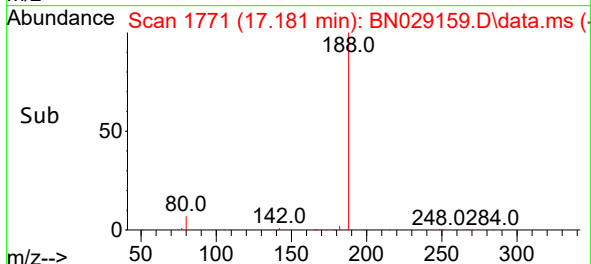
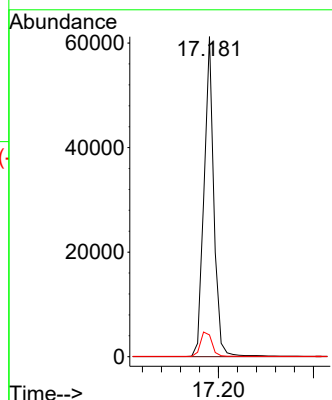
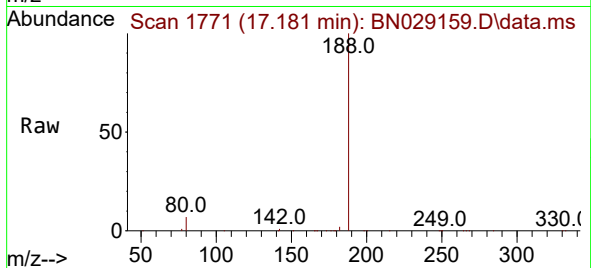
Tgt Ion:188 Resp: 87860

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.8 13.7 20.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 3.259 ng

RT: 15.592 min Scan# 1643

Delta R.T. 0.012 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

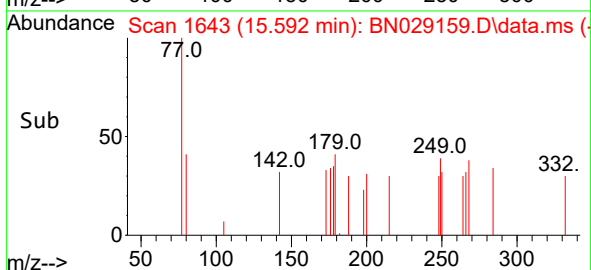
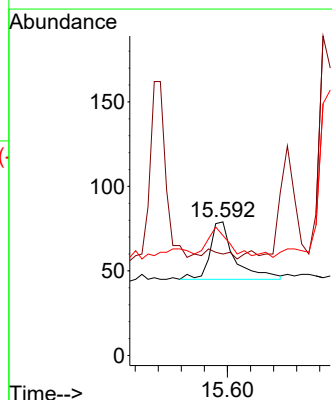
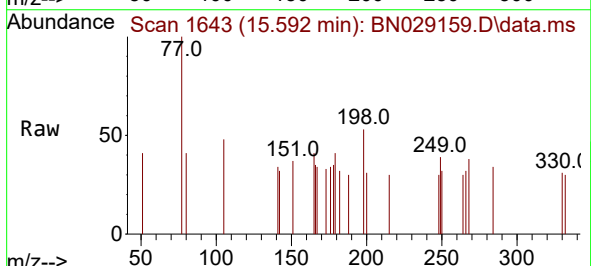
Tgt Ion:198 Resp: 101

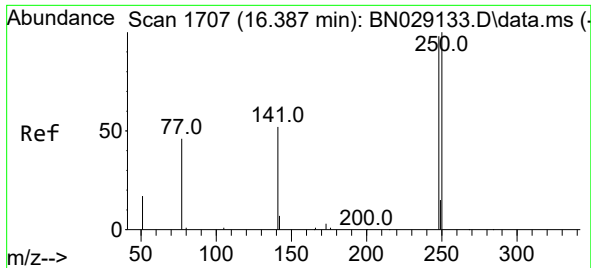
Ion Ratio Lower Upper

198 100

51 75.9 53.6 80.4

105 89.9 65.6 98.4

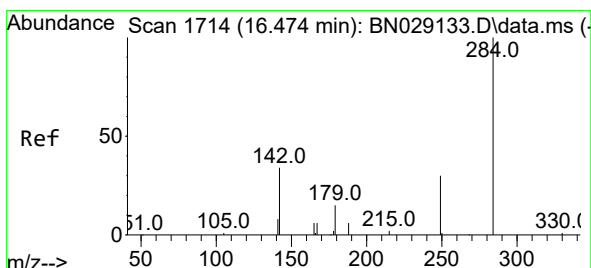
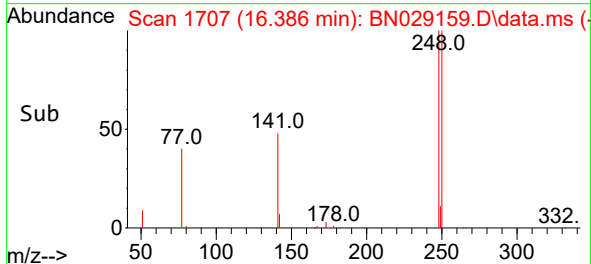
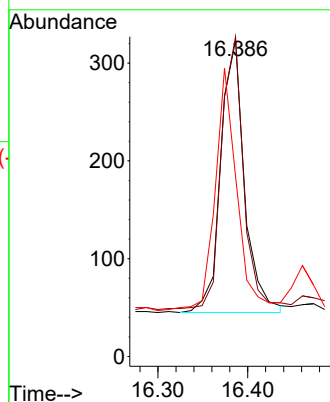
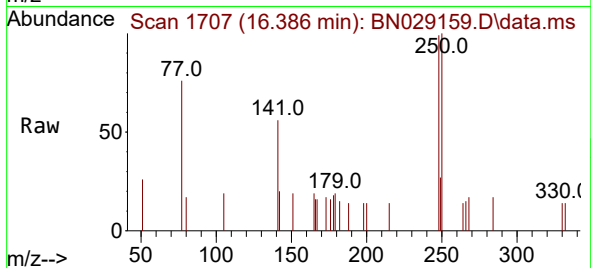




#21
4-Bromophenyl-phenylether
Concen: 0.282 ng
RT: 16.386 min Scan# 1707
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

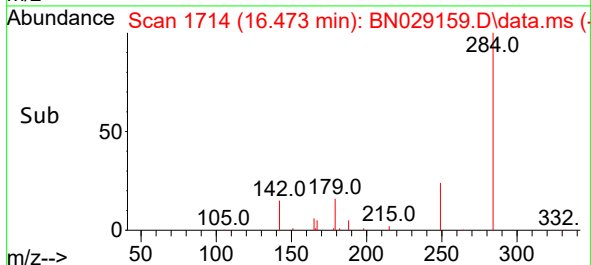
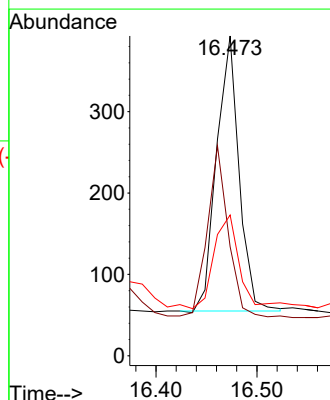
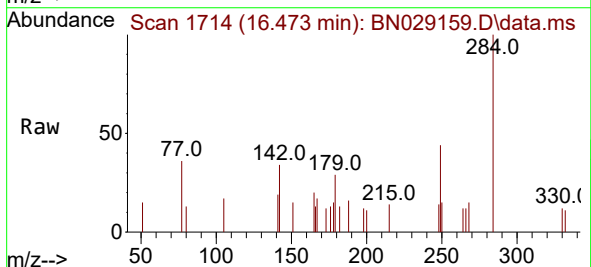
Instrument :
BNA_N
ClientSampleId :
TT-FRACSEDIMENT-IDWSO-20231207MSD

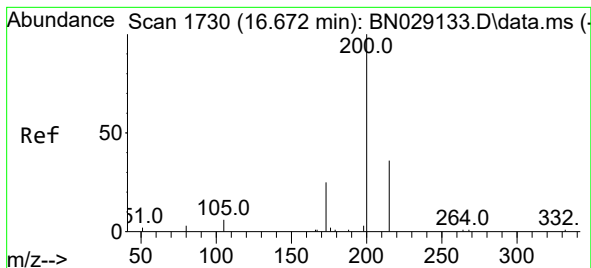
Tgt Ion:248 Resp: 513
Ion Ratio Lower Upper
248 100
250 101.2 82.2 123.2
141 57.0 49.7 74.5



#22
Hexachlorobenzene
Concen: 0.246 ng
RT: 16.473 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion:284 Resp: 521
Ion Ratio Lower Upper
284 100
142 57.2 46.9 70.3
249 0.0 28.6 43.0#





#23

Atrazine

Concen: 0.253 ng

RT: 16.672 min Scan# 1730

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

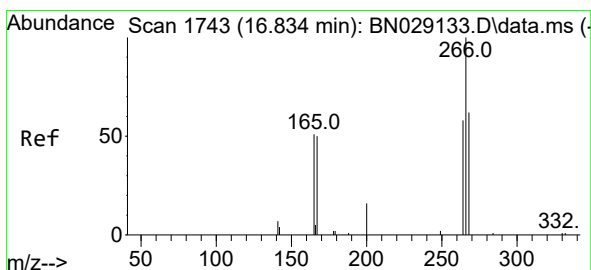
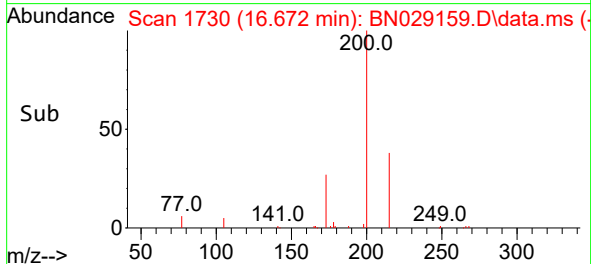
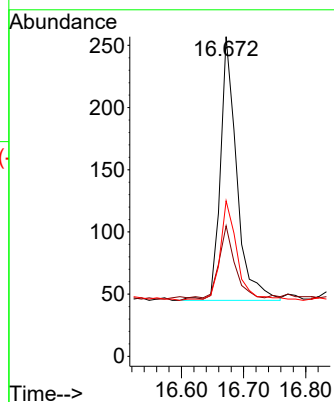
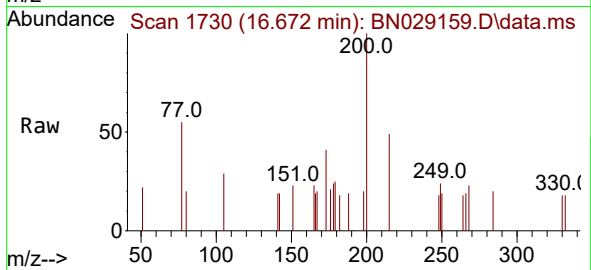
Tgt Ion:200 Resp: 386

Ion Ratio Lower Upper

200 100

173 40.9 31.4 47.2

215 48.6 38.5 57.7



#24

Pentachlorophenol

Concen: 0.050 ng

RT: 16.846 min Scan# 1744

Delta R.T. 0.012 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

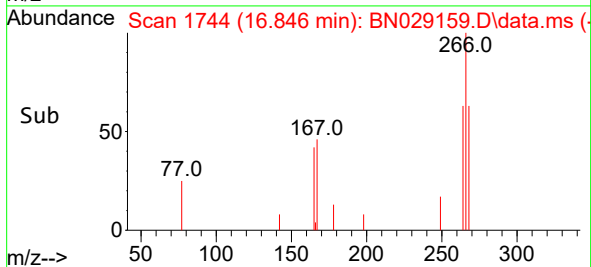
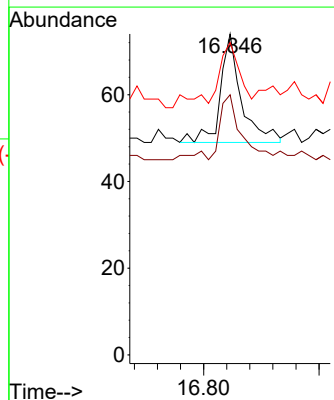
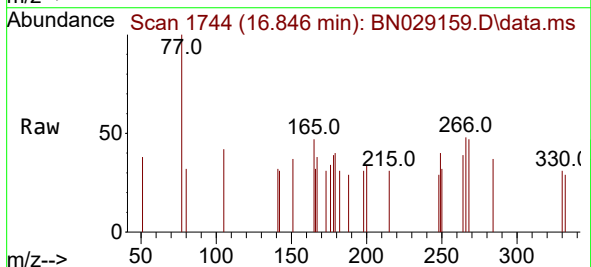
Tgt Ion:266 Resp: 63

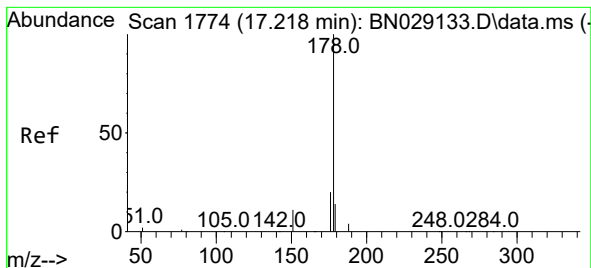
Ion Ratio Lower Upper

266 100

264 49.2 45.0 67.6

268 49.2 55.5 83.3#





#25

Phenanthrene

Concen: 0.302 ng

RT: 17.218 min Scan# 1774

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

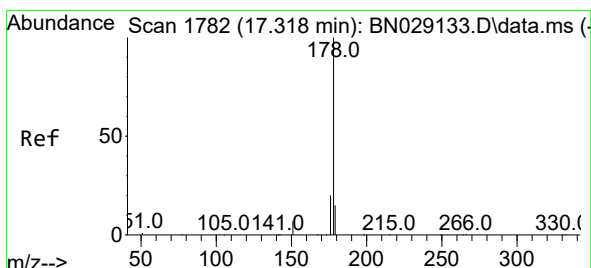
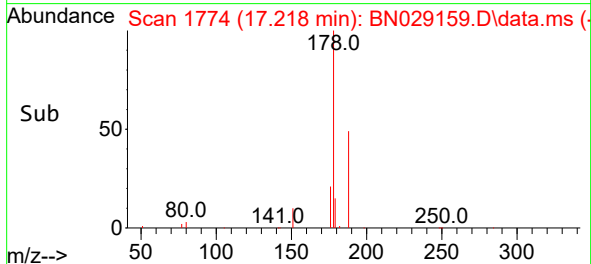
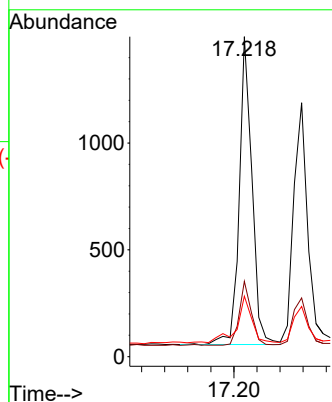
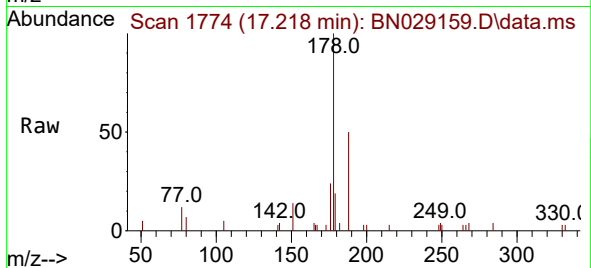
Tgt Ion:178 Resp: 2193

Ion Ratio Lower Upper

178 100

176 19.5 17.4 26.0

179 17.9 13.7 20.5



#26

Anthracene

Concen: 0.278 ng

RT: 17.317 min Scan# 1782

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

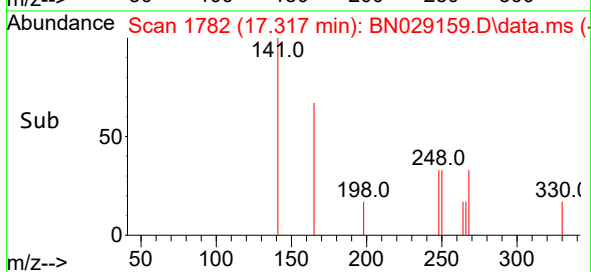
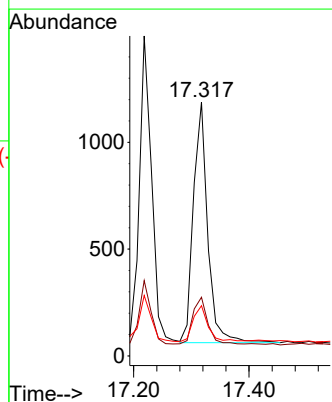
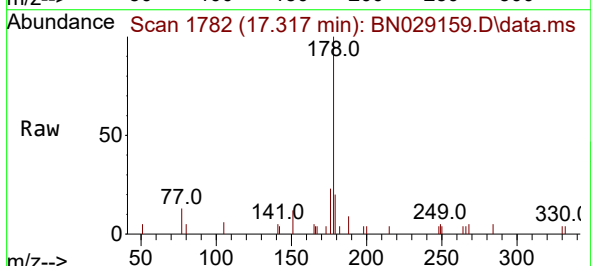
Tgt Ion:178 Resp: 1947

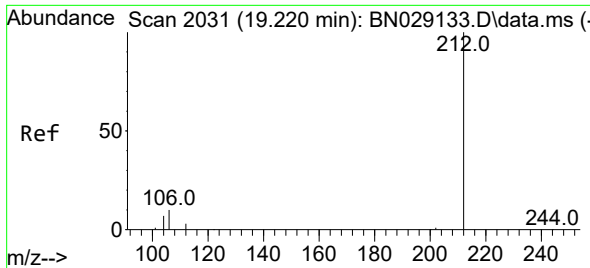
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

179 15.6 11.4 17.0

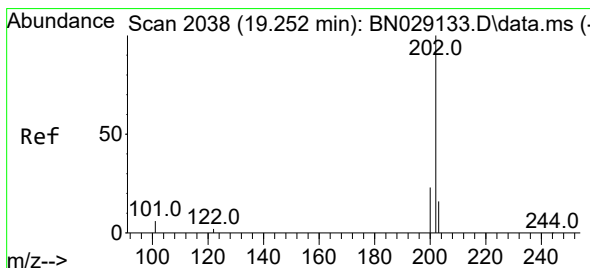
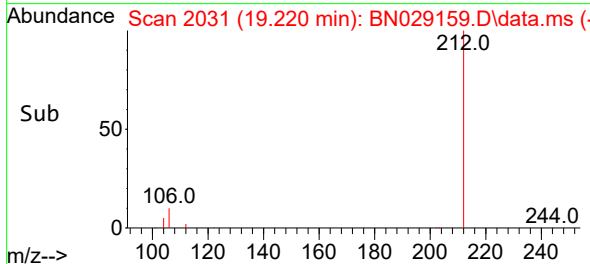
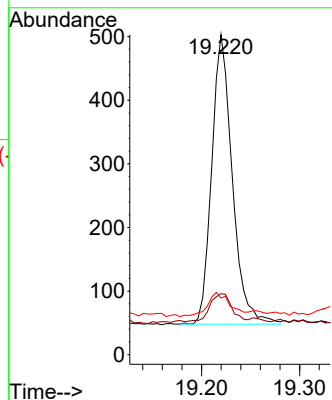
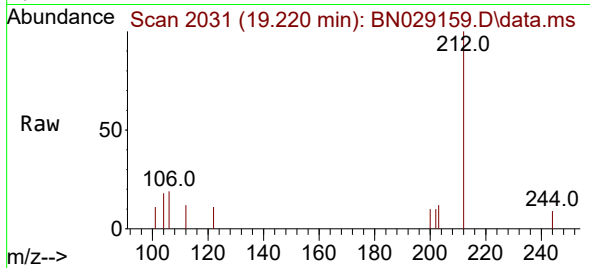




#27
Fluoranthene-d10
Concen: 0.156 ng
RT: 19.220 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

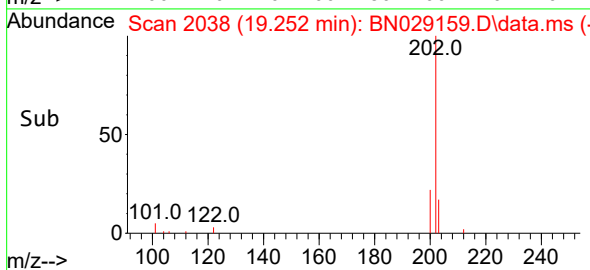
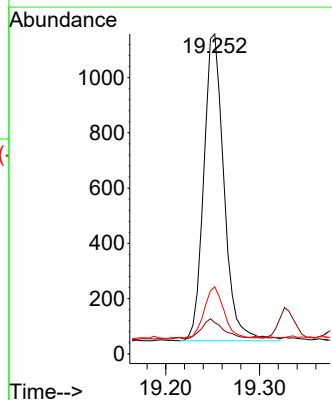
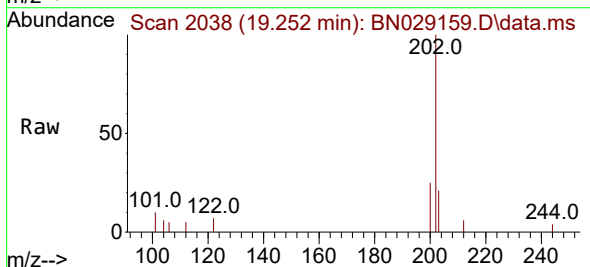
Instrument : BNA_N
ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207MSD

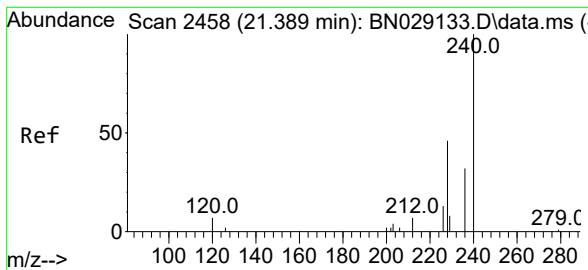
Tgt Ion:212 Resp: 664
Ion Ratio Lower Upper
212 100
106 10.4 9.6 14.4
104 9.3 6.5 9.7



#28
Fluoranthene
Concen: 0.222 ng
RT: 19.252 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion:202 Resp: 1662
Ion Ratio Lower Upper
202 100
101 7.1 5.3 7.9
203 16.6 13.8 20.6





#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.384 min Scan# 2458

Delta R.T. -0.005 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

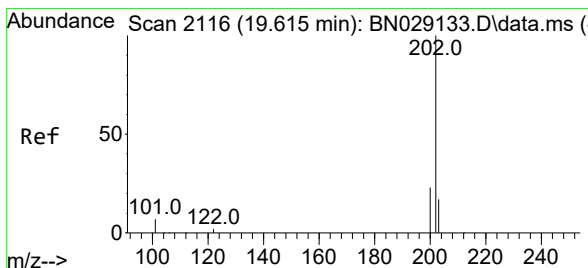
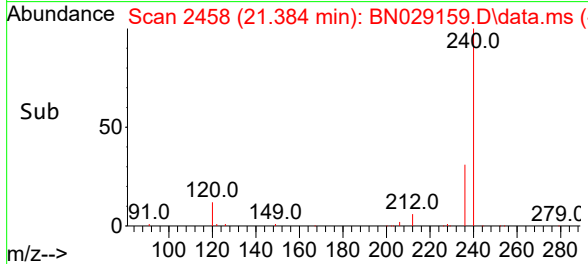
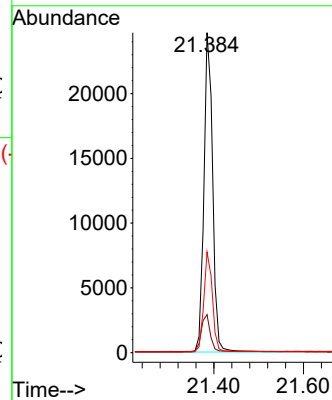
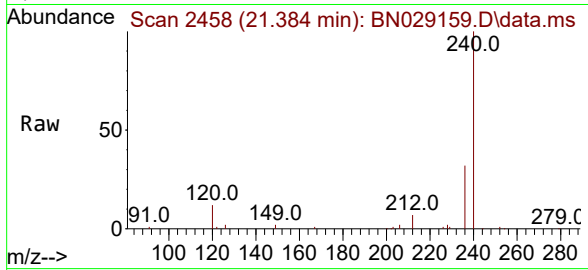
Tgt Ion:240 Resp: 33469

Ion Ratio Lower Upper

240 100

120 11.9 21.4 32.0#

236 31.5 33.5 50.3#



#30

Pyrene

Concen: 0.307 ng

RT: 19.615 min Scan# 2116

Delta R.T. -0.000 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

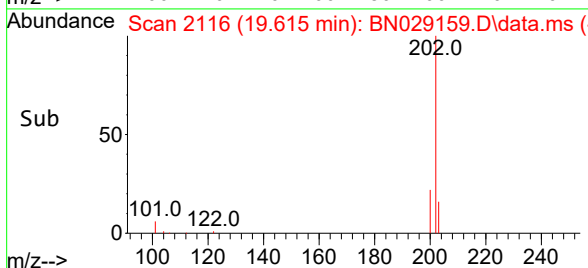
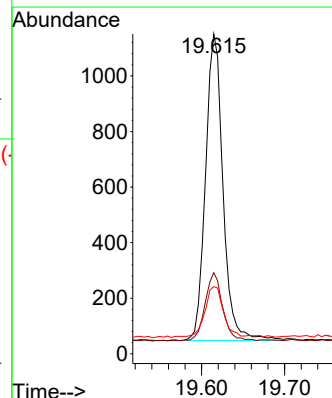
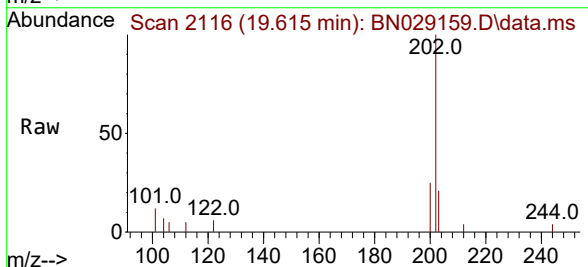
Tgt Ion:202 Resp: 1617

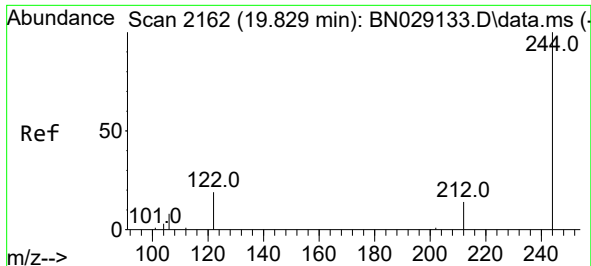
Ion Ratio Lower Upper

202 100

200 21.8 18.0 27.0

203 17.7 15.1 22.7

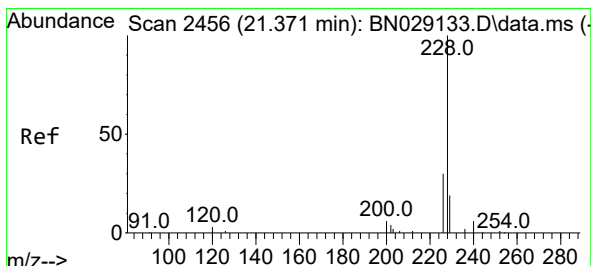
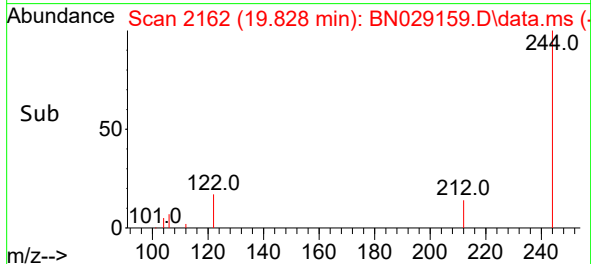
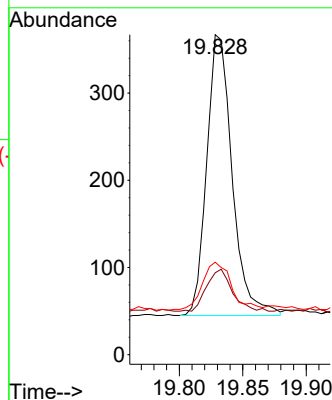
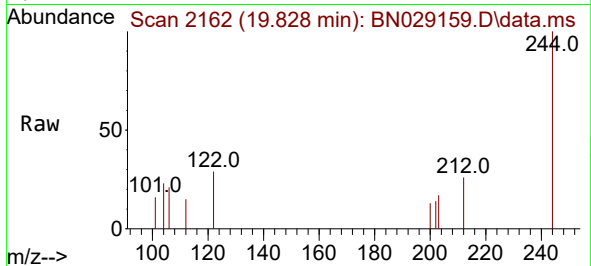




#31
 Terphenyl-d14
 Concen: 0.245 ng
 RT: 19.828 min Scan# 2162
 Delta R.T. -0.000 min
 Lab File: BN029159.D
 Acq: 21 Dec 2023 20:19

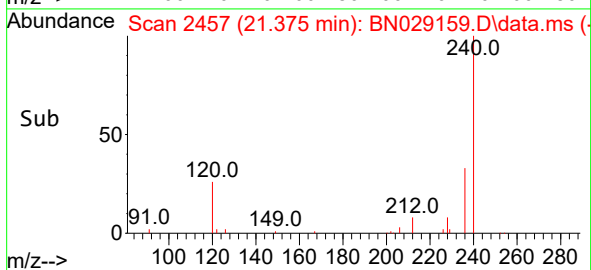
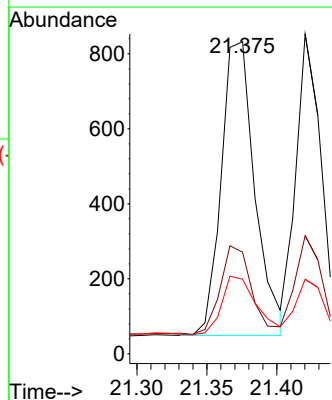
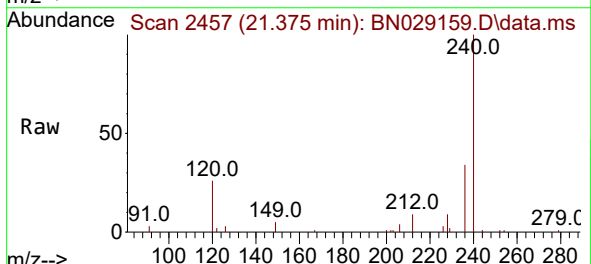
Instrument : BNA_N
 ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207MSD

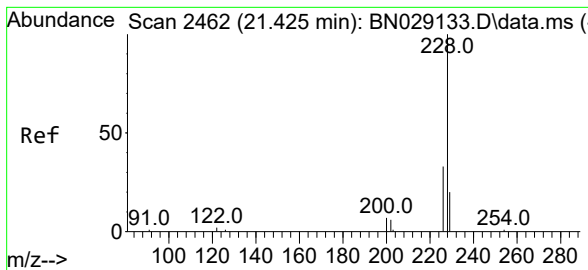
Tgt Ion:244	Resp:	450	
Ion	Ratio	Lower	Upper
244	100		
212	25.6	19.0	28.6
122	28.9	22.5	33.7



#32
 Benzo(a)anthracene
 Concen: 0.356 ng
 RT: 21.375 min Scan# 2457
 Delta R.T. 0.004 min
 Lab File: BN029159.D
 Acq: 21 Dec 2023 20:19

Tgt Ion:228	Resp:	1310	
Ion	Ratio	Lower	Upper
228	100		
226	32.6	27.6	41.4
229	23.9	19.4	29.0





#33

Chrysene

Concen: 0.284 ng

RT: 21.420 min Scan# 2462

Delta R.T. -0.005 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

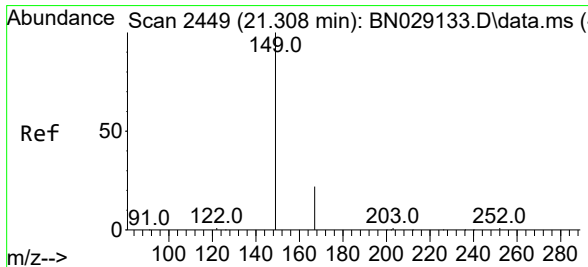
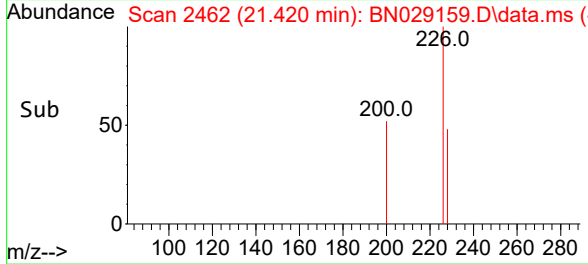
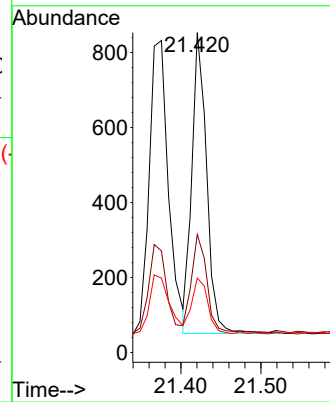
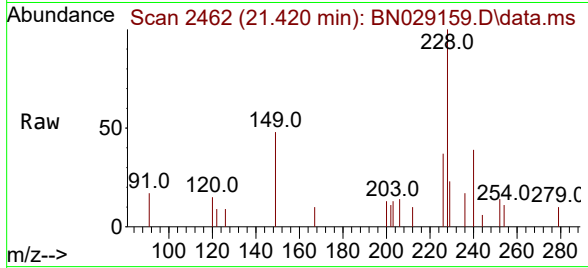
Tgt Ion:228 Resp: 1034

Ion Ratio Lower Upper

228 100

226 36.9 29.2 43.8

229 23.3 19.3 28.9



#34

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.313 min Scan# 2450

Delta R.T. 0.004 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

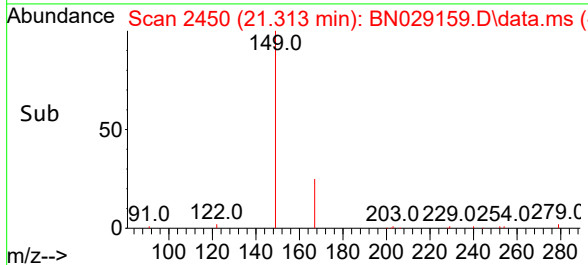
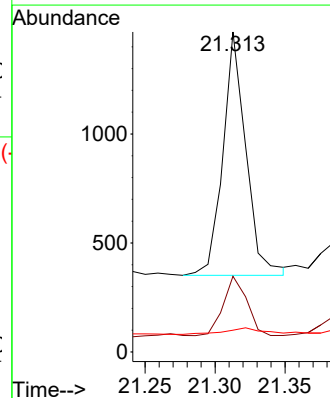
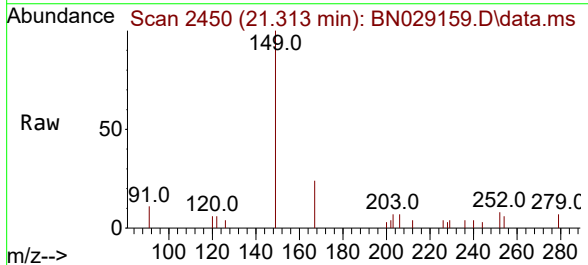
Tgt Ion:149 Resp: 1274

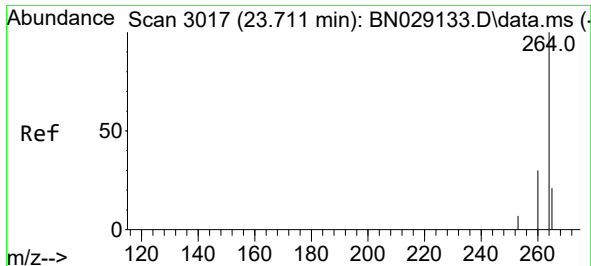
Ion Ratio Lower Upper

149 100

167 25.3 20.2 30.2

279 4.9 2.5 3.7#

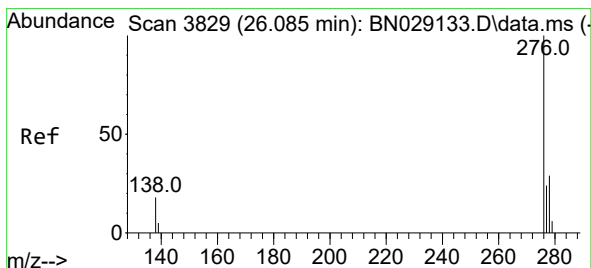
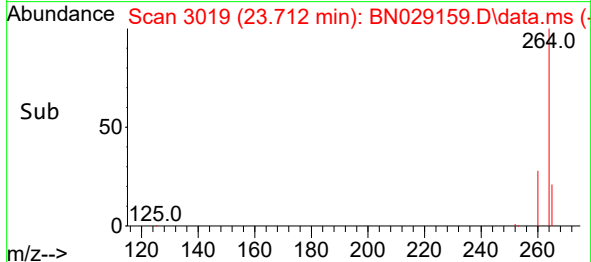
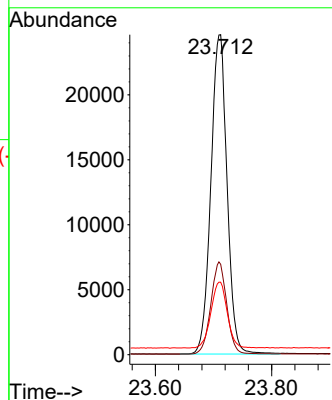
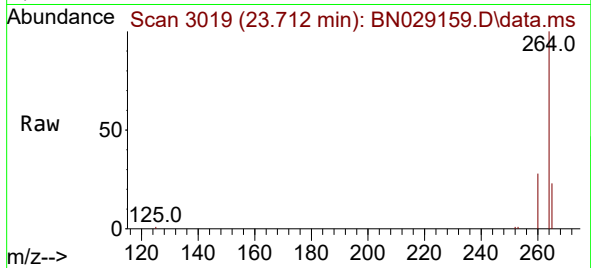




#35
Perylene-d12
Concen: 20.000 ng
RT: 23.712 min Scan# 3017
Delta R.T. 0.001 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

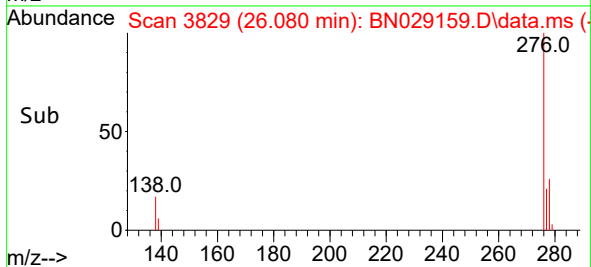
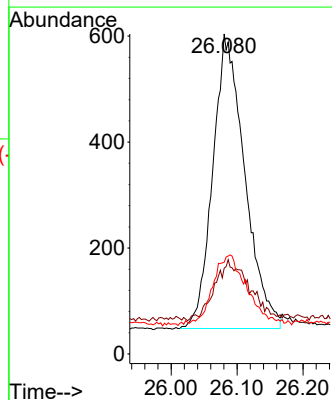
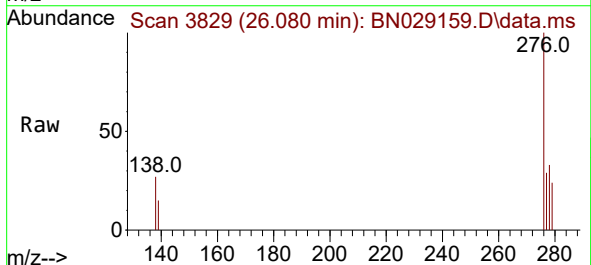
Instrument :
BNA_N
ClientSampleId :
TT-FRACSEDIMENT-IDWSO-20231207MSD

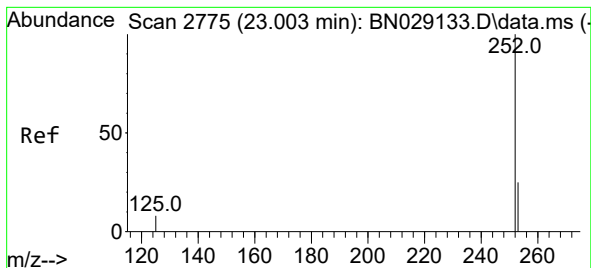
Tgt Ion:264 Resp: 47493
Ion Ratio Lower Upper
264 100
260 28.3 31.0 46.6#
265 22.7 105.3 157.9#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng
RT: 26.080 min Scan# 3829
Delta R.T. -0.005 min
Lab File: BN029159.D
Acq: 21 Dec 2023 20:19

Tgt Ion:276 Resp: 1867
Ion Ratio Lower Upper
276 100
138 10.5 7.8 11.6
277 24.8 9.2 13.8#





#37

Benzo(b)fluoranthene

Concen: 0.274 ng

RT: 23.005 min Scan# 21

Delta R.T. 0.001 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

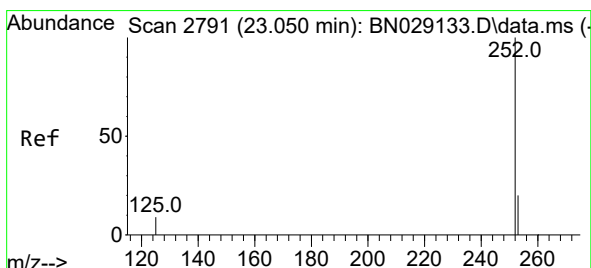
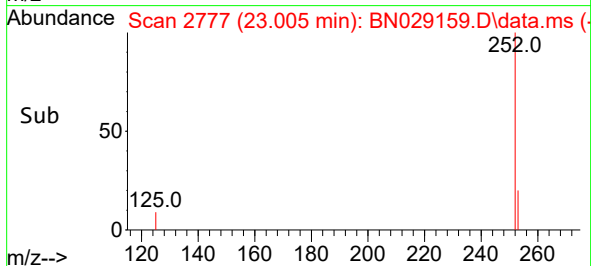
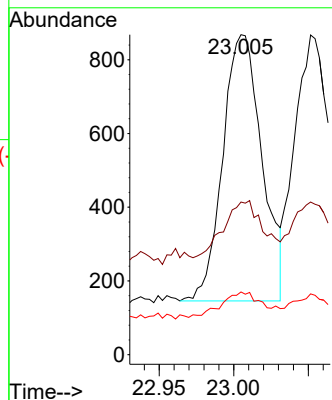
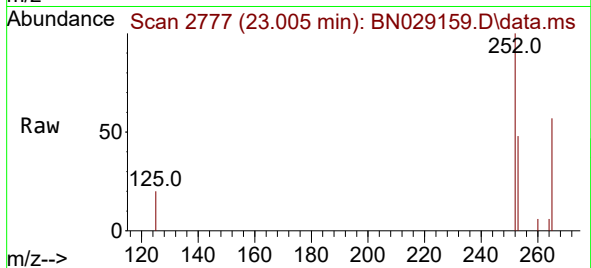
Tgt Ion:252 Resp: 1322

Ion Ratio Lower Upper

252 100

253 47.7 36.0 54.0

125 19.6 14.6 21.8



#38

Benzo(k)fluoranthene

Concen: 0.251 ng

RT: 23.052 min Scan# 2793

Delta R.T. 0.001 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

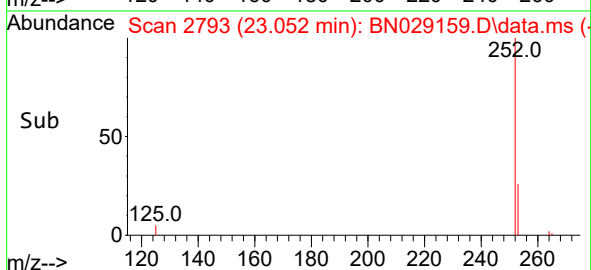
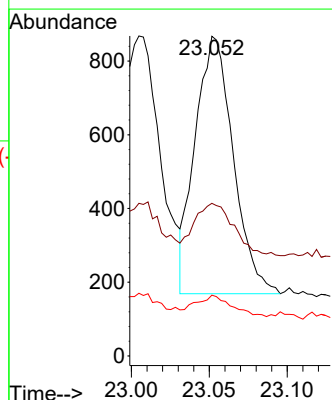
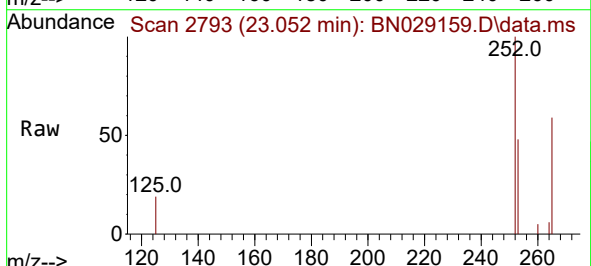
Tgt Ion:252 Resp: 1186

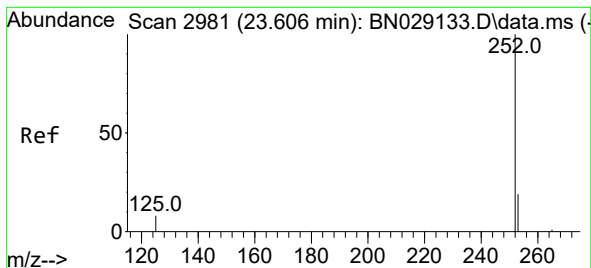
Ion Ratio Lower Upper

252 100

253 47.8 35.0 52.6

125 19.0 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.286 ng

RT: 23.604 min Scan# 2981

Delta R.T. -0.002 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD

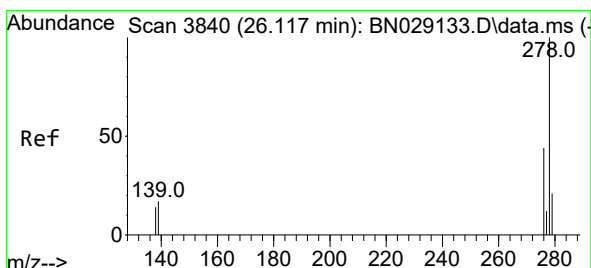
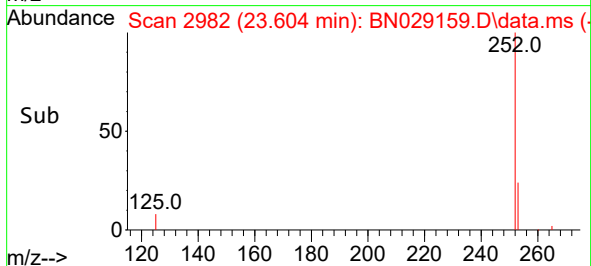
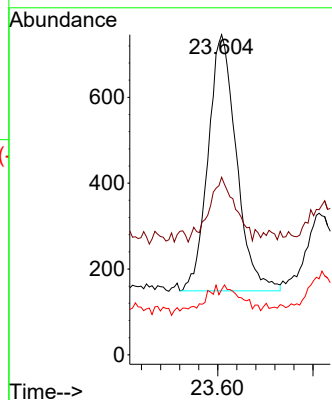
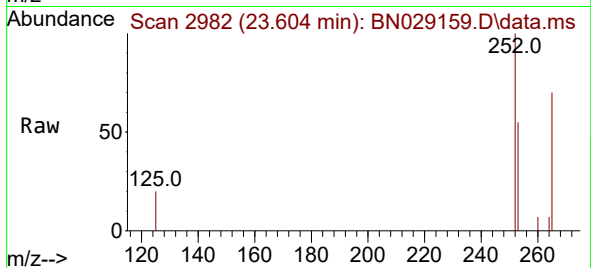
Tgt Ion:252 Resp: 1234

Ion Ratio Lower Upper

252 100

253 55.5 40.3 60.5

125 20.4 16.7 25.1



#40

Dibenzo(a,h)anthracene

Concen: 0.311 ng

RT: 26.110 min Scan# 3839

Delta R.T. -0.007 min

Lab File: BN029159.D

Acq: 21 Dec 2023 20:19

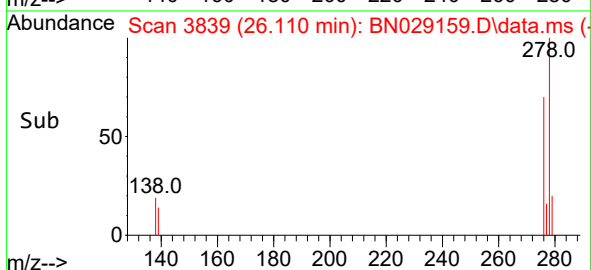
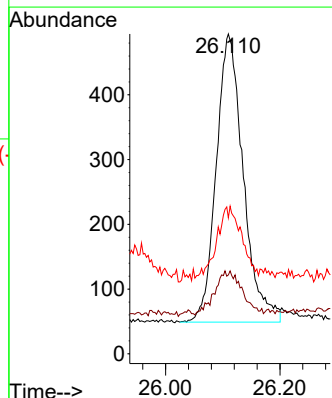
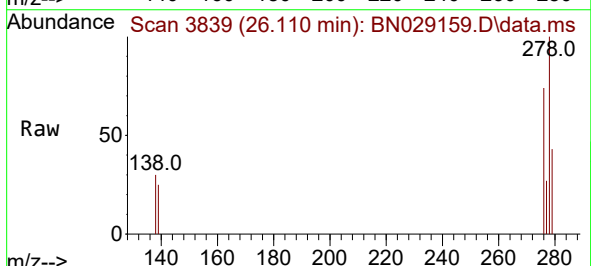
Tgt Ion:278 Resp: 1462

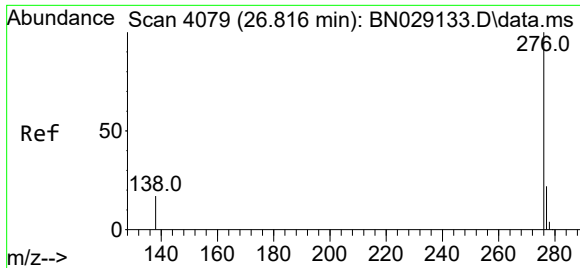
Ion Ratio Lower Upper

278 100

139 24.7 24.2 36.2

279 42.5 34.9 52.3





#41

Benzo(g,h,i)perylene

Concen: 0.296 ng

RT: 26.814 min Scan# 40

Delta R.T. -0.002 min

Lab File: BN029159.D

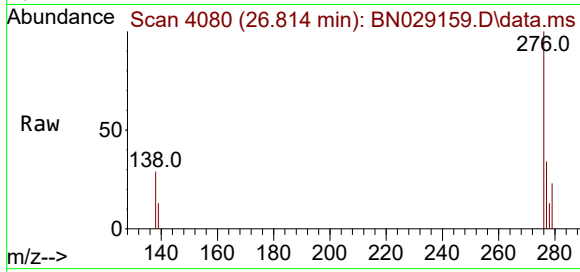
Acq: 21 Dec 2023 20:19

Instrument :

BNA_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MSD



Tgt Ion:276 Resp: 1533

Ion Ratio Lower Upper

276 100

277 33.7 25.5 38.3

138 28.9 22.9 34.3

