

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133505.D
 Acq On : 26 May 2023 18:26
 Operator : CG\JU
 Sample : 02916-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-621-COMP-01

Quant Time: May 27 01:10:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

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

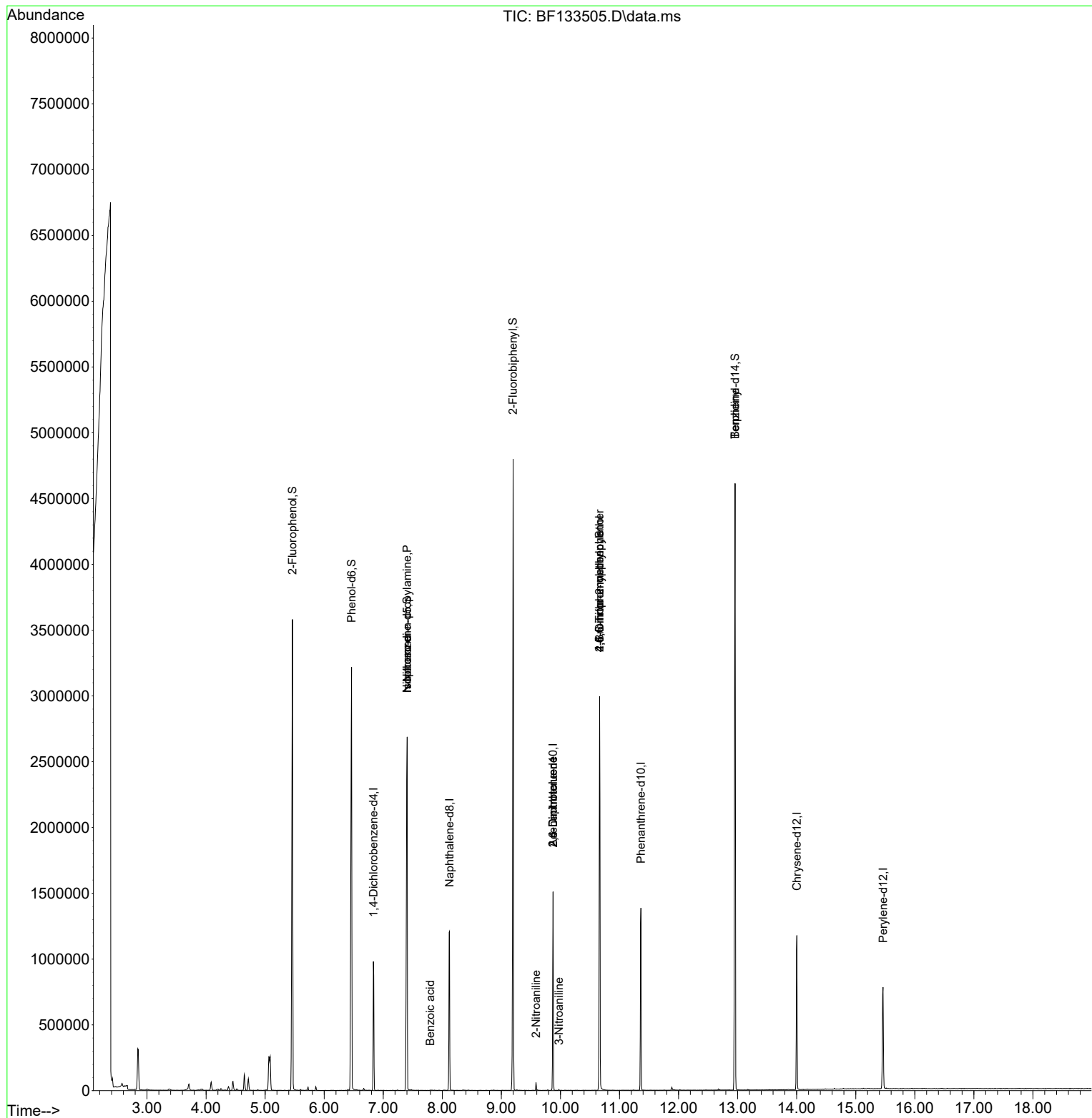
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	139358	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	544150	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	263386	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	503050	20.000	ng	0.00
76) Chrysene-d12	14.004	240	386801	20.000	ng	0.00
86) Perylene-d12	15.462	264	344485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1055483	126.368	ng	0.02
7) Phenol-d6	6.463	99	1194662	116.190	ng	0.00
23) Nitrobenzene-d5	7.404	82	899195	110.333	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	376252	143.308	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1552711	90.989	ng	0.00
79) Terphenyl-d14	12.957	244	1772414	81.471	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.457	77	1985	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	124620	18.733	ng	# 78
25) Isophorone	7.404	82	897314	47.242	ng	# 65
32) Benzoic acid	7.798	122	690	7.459	ng	# 86
48) 2-Nitroaniline	9.586	65	360	4.057	ng	# 1
51) 2,6-Dinitrotoluene	9.874	165	33759	12.538	ng	# 18
53) 3-Nitroaniline	9.974	138	430	3.271	ng	# 1
57) 2,4-Dinitrotoluene	9.874	165	33759	11.710	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.663	198	598	8.949	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	23312	4.364	ng	# 1
77) Benzidine	12.957	184	24899	2.201	ng	# 94

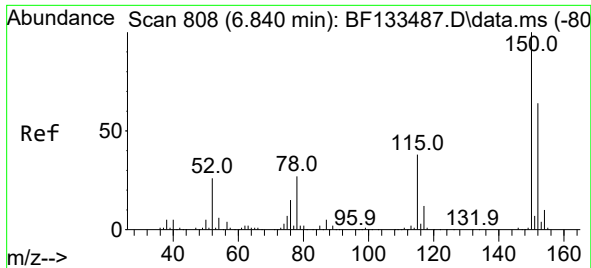
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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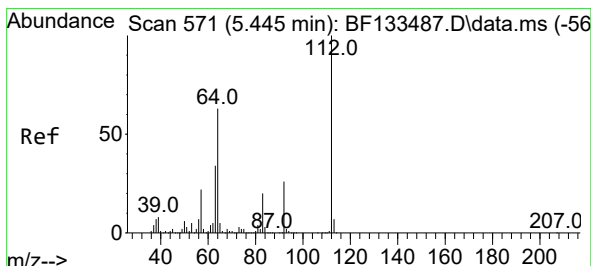
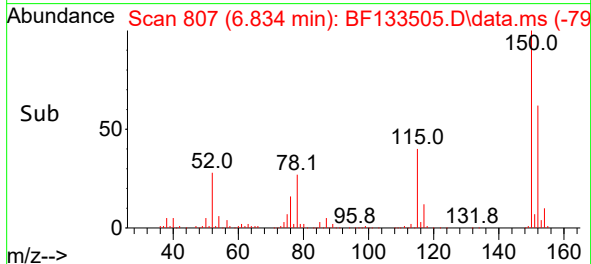
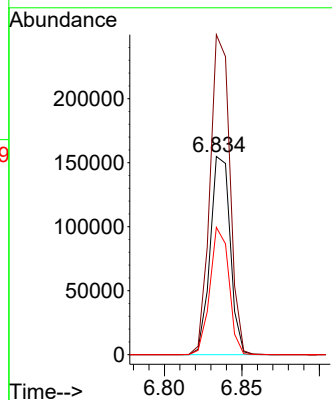
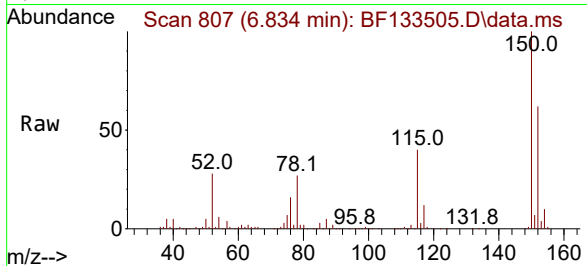




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

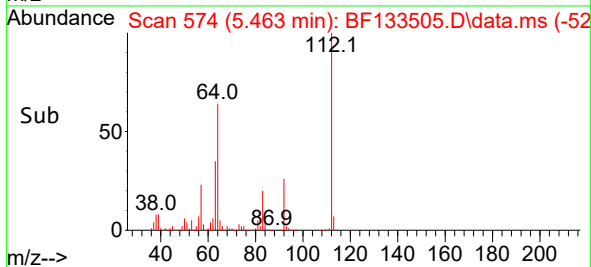
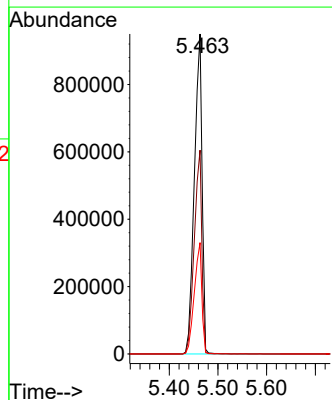
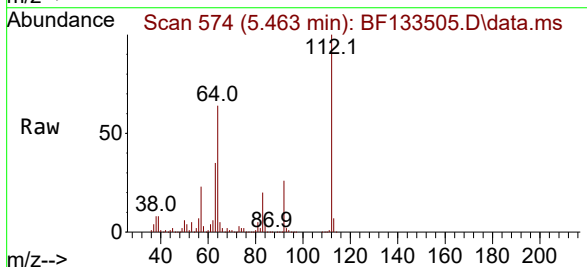
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

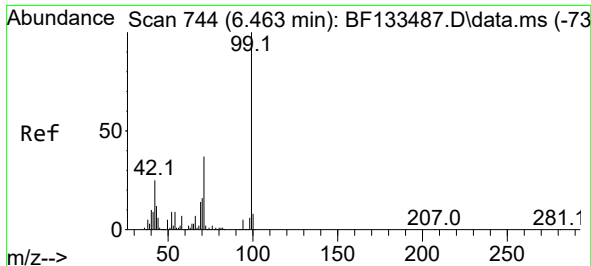
Tgt Ion:152 Resp: 139358
Ion Ratio Lower Upper
152 100
150 161.5 124.9 187.3
115 64.2 48.1 72.1



#5
2-Fluorophenol
Concen: 126.368 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.018 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion:112 Resp: 1055483
Ion Ratio Lower Upper
112 100
64 63.7 50.1 75.1
63 34.8 27.5 41.3



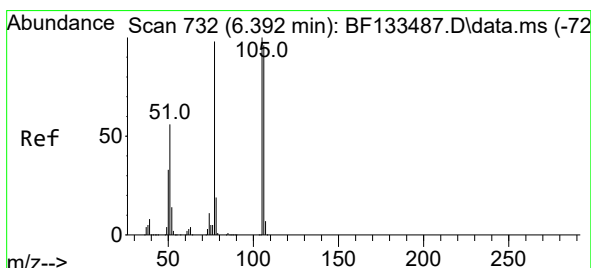
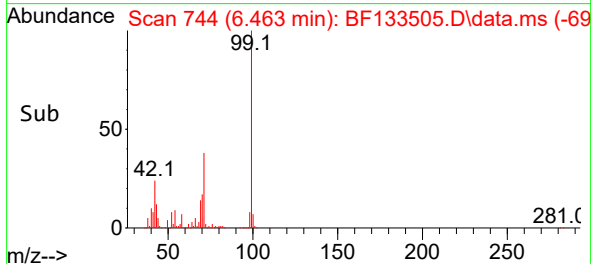
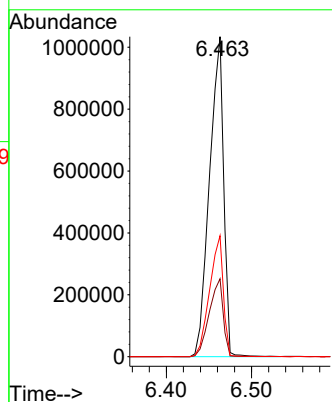
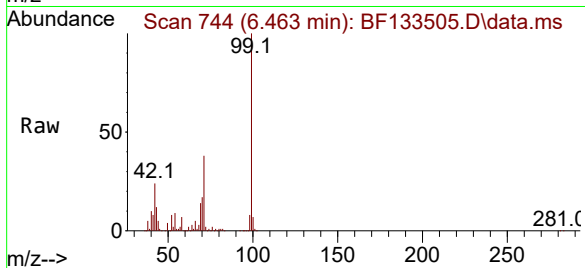


#7
Phenol-d6
Concen: 116.190 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

Tgt Ion: 99 Resp: 1194662

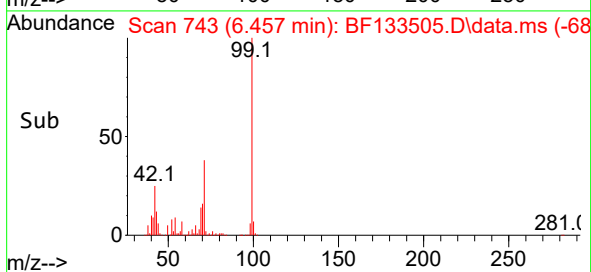
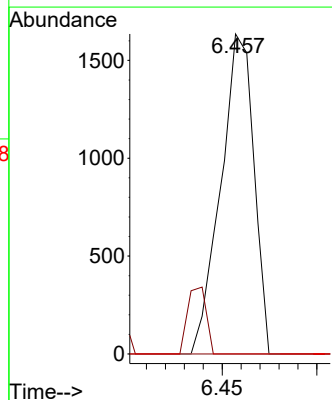
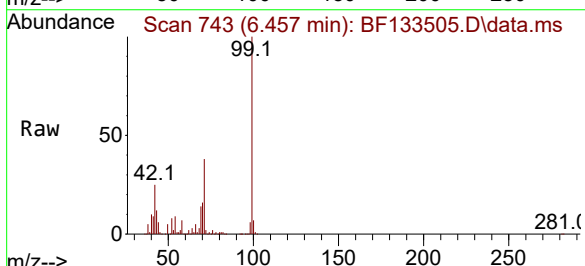
Ion	Ratio	Lower	Upper
99	100		
42	24.4	19.7	29.5
71	37.8	29.8	44.8

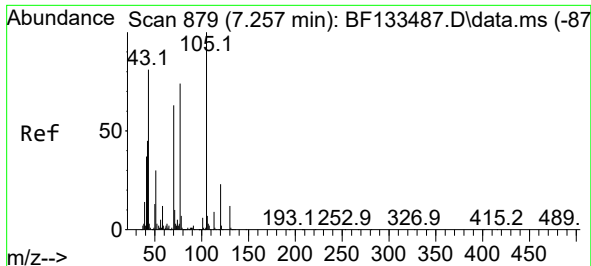


#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.065 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion: 77 Resp: 1985

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.9	121.9#
106	0.0	77.8	117.8#

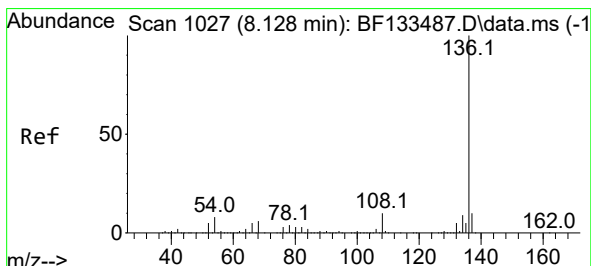
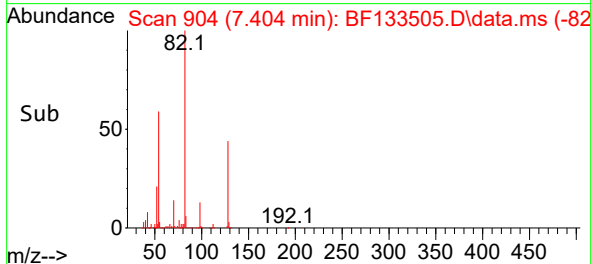
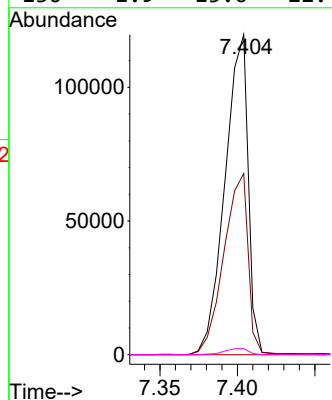
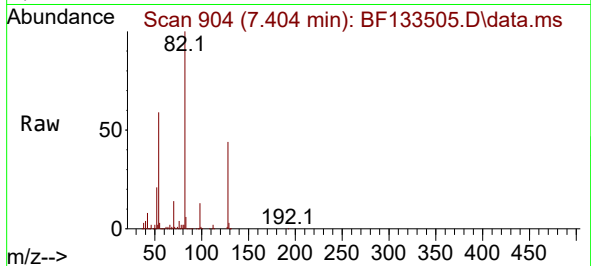




#19
n-Nitroso-di-n-propylamine
Concen: 18.733 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

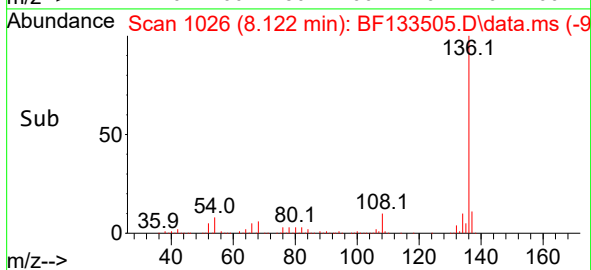
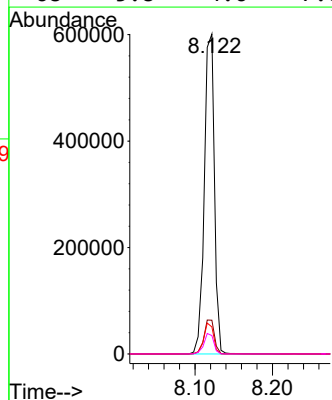
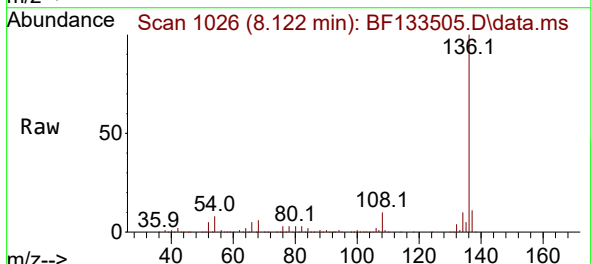
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

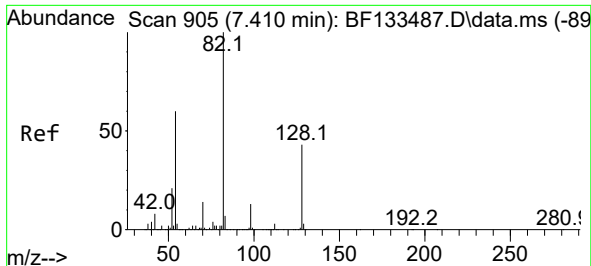
Tgt Ion: 70 Resp: 124620
Ion Ratio Lower Upper
70 100
42 56.6 57.2 85.8#
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion: 136 Resp: 544150
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 8.5 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 110.333 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF133505.D

Acq: 26 May 2023 18:26

Instrument :

BNA_F

ClientSampleId :

SU-621-COMP-01

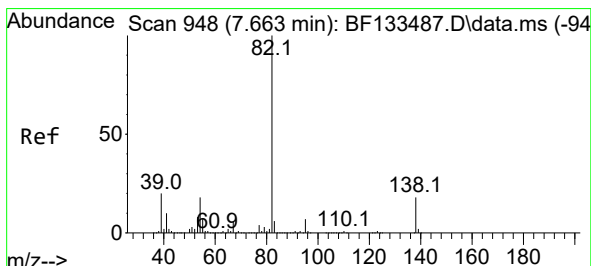
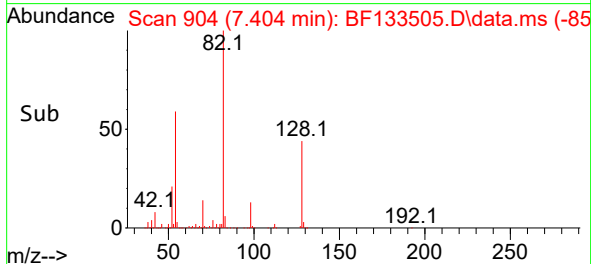
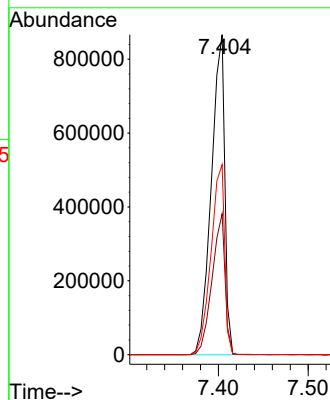
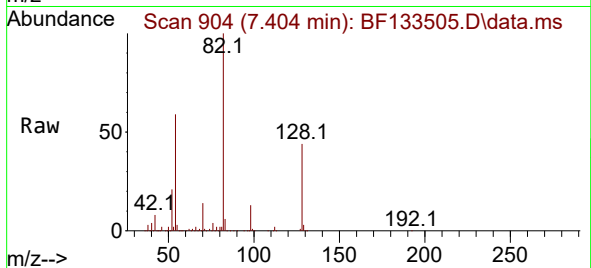
Tgt Ion: 82 Resp: 899195

Ion Ratio Lower Upper

82 100

128 44.0 34.2 51.4

54 59.4 48.2 72.4



#25

Isophorone

Concen: 47.242 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133505.D

Acq: 26 May 2023 18:26

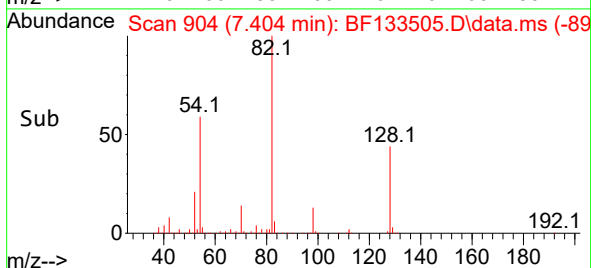
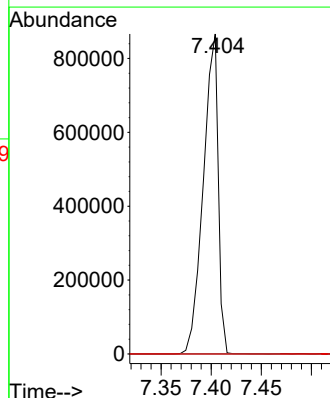
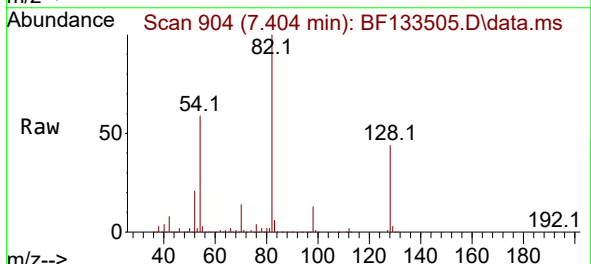
Tgt Ion: 82 Resp: 897314

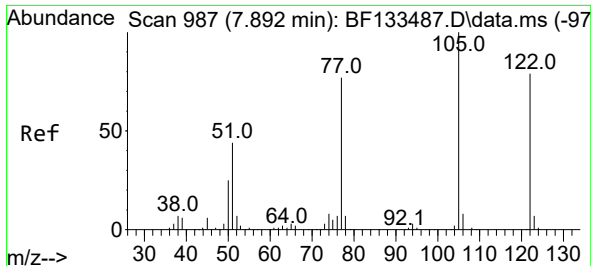
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

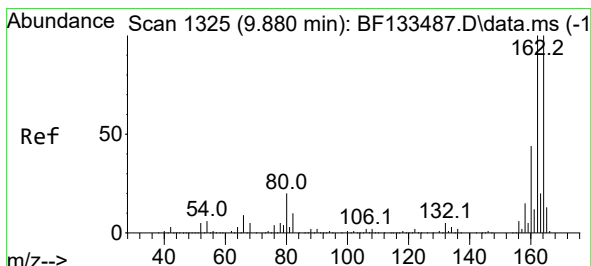
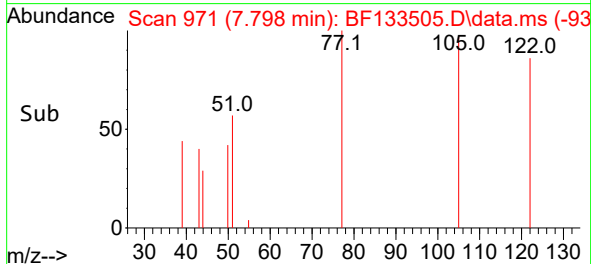
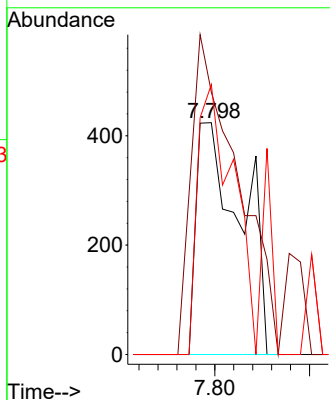
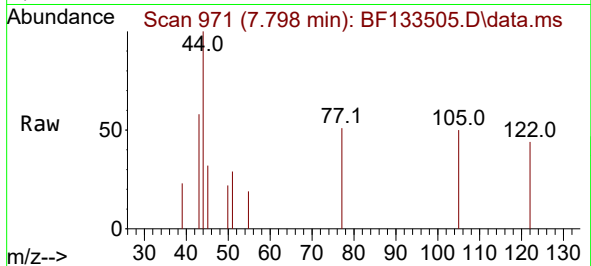




#32
Benzoic acid
Concen: 7.459 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

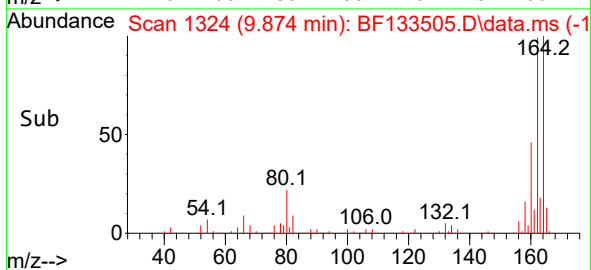
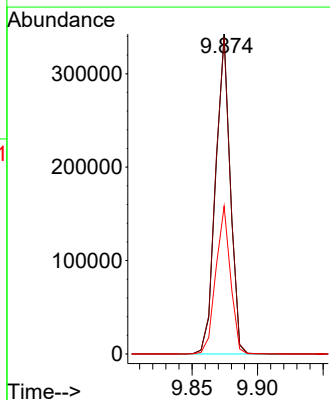
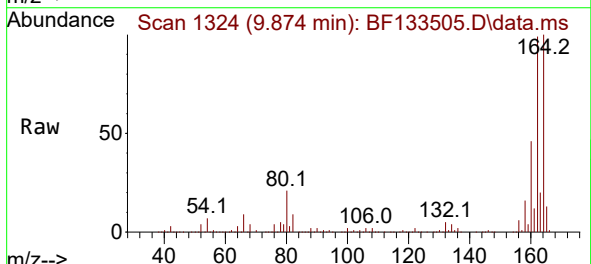
Instrument :
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SU-621-COMP-01

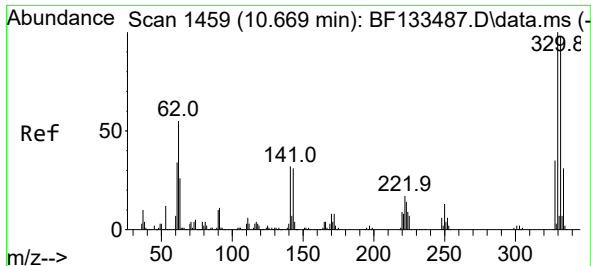
Tgt Ion:122 Resp: 690
Ion Ratio Lower Upper
122 100
105 113.2 103.3 143.3
77 116.5 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion:164 Resp: 263386
Ion Ratio Lower Upper
164 100
162 98.8 79.7 119.5
160 46.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 143.308 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133505.D

Acq: 26 May 2023 18:26

Instrument :

BNA_F

ClientSampleId :

SU-621-COMP-01

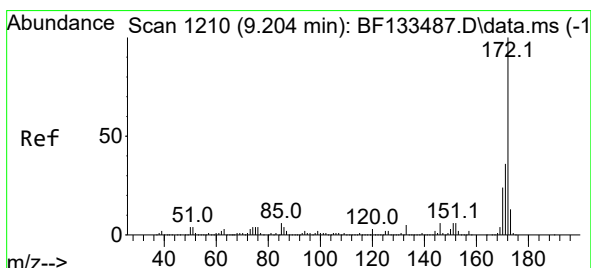
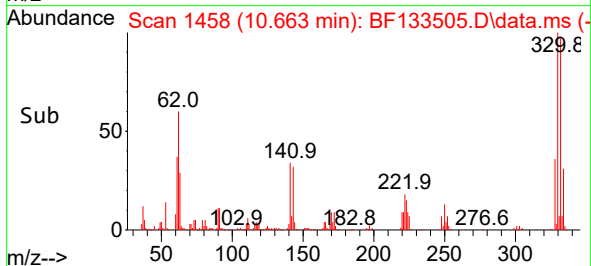
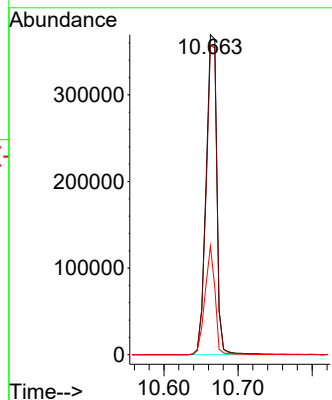
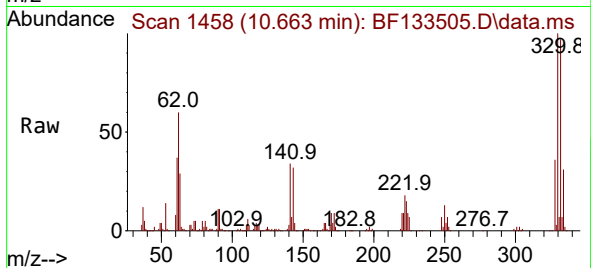
Tgt Ion:330 Resp: 376252

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

141 31.5 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 90.989 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133505.D

Acq: 26 May 2023 18:26

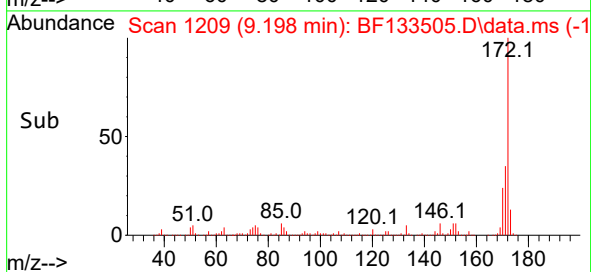
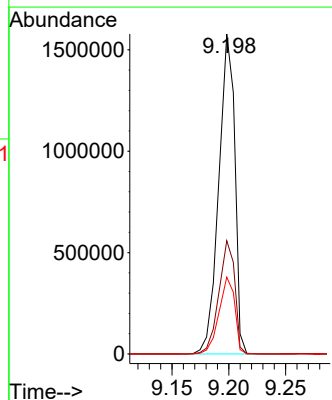
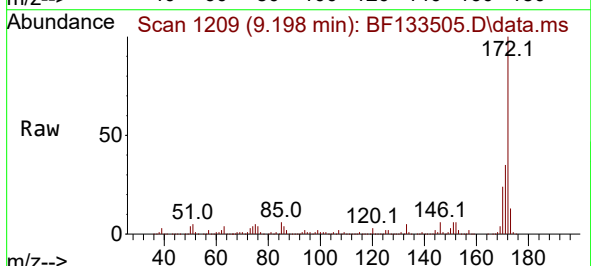
Tgt Ion:172 Resp: 1552711

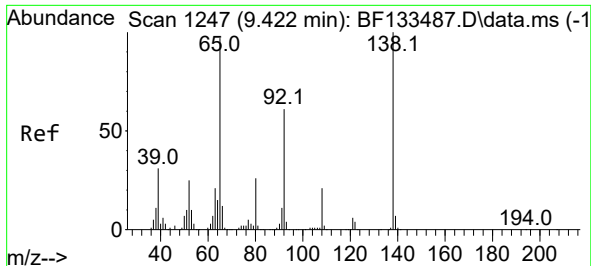
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 24.0 19.3 28.9

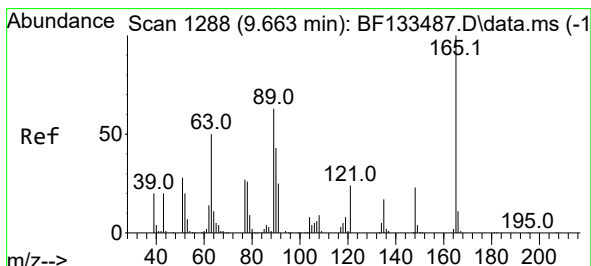
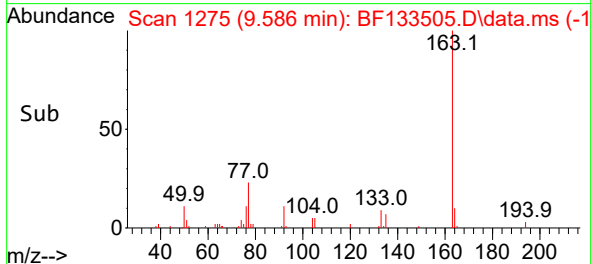
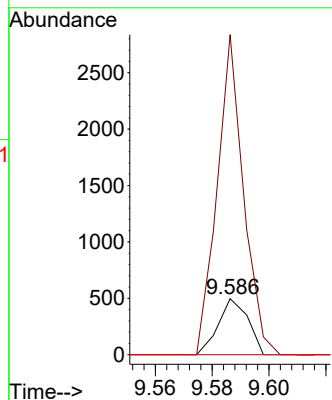
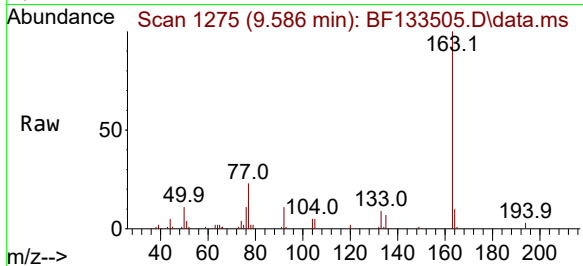




#48
2-Nitroaniline
Concen: 4.057 ng
RT: 9.586 min Scan# 11
Delta R.T. 0.164 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

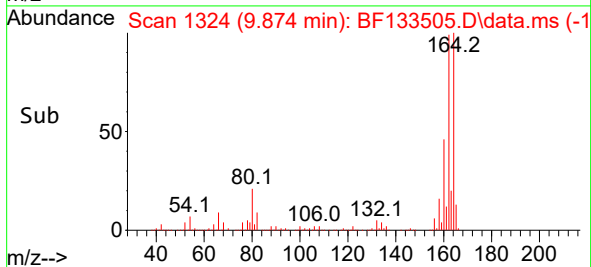
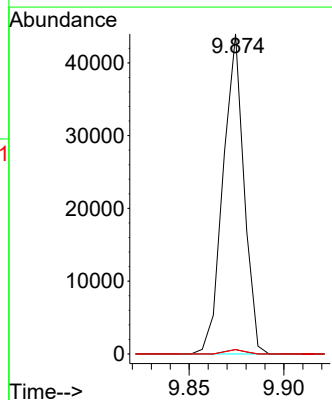
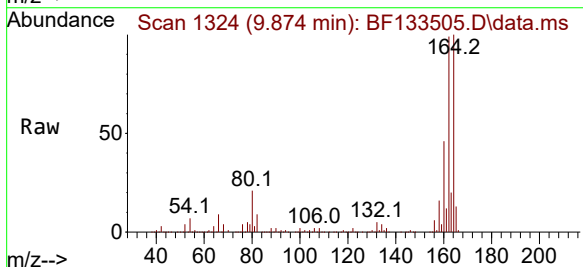
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

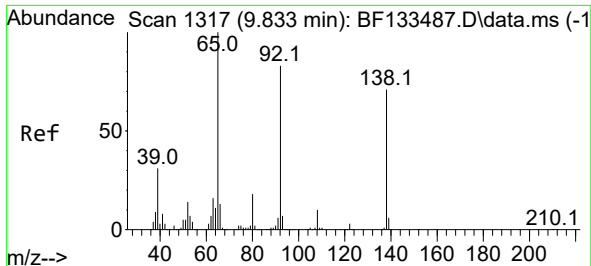
Tgt Ion: 65 Resp: 360
Ion Ratio Lower Upper
65 100
92 570.8 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.538 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.211 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion: 165 Resp: 33759
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.4 50.8 76.2#

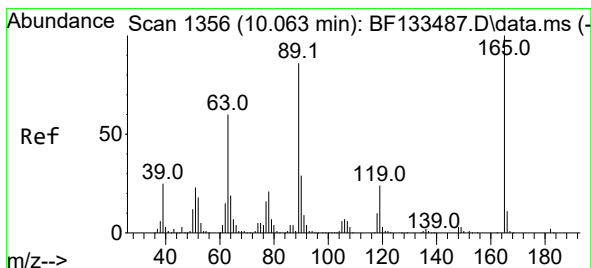
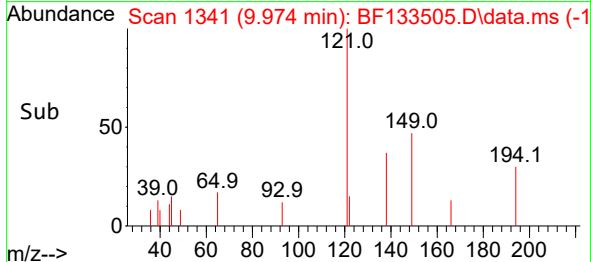
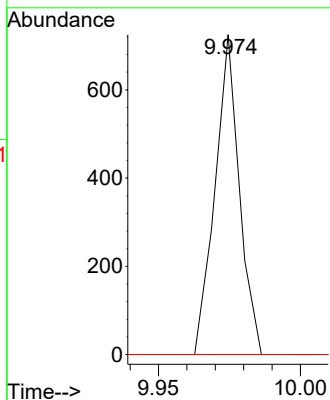
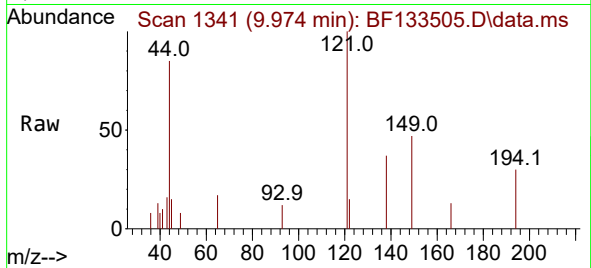




#53
3-Nitroaniline
Concen: 3.271 ng
RT: 9.974 min Scan# 11
Delta R.T. 0.141 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

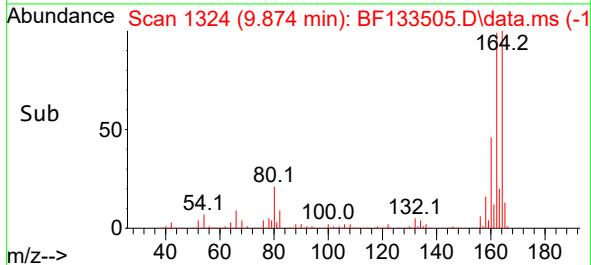
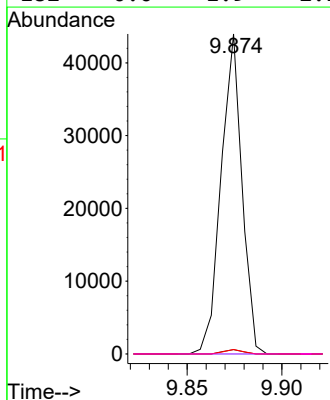
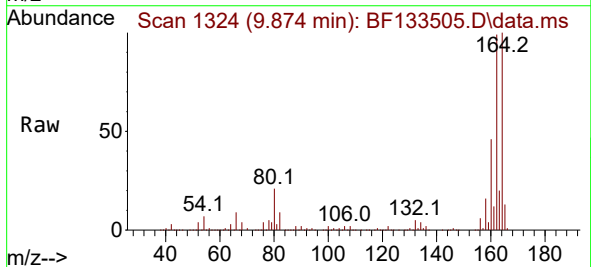
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

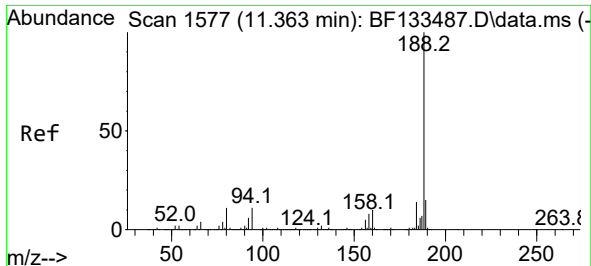
Tgt Ion:138 Resp: 430
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.710 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.189 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion:165 Resp: 33759
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#

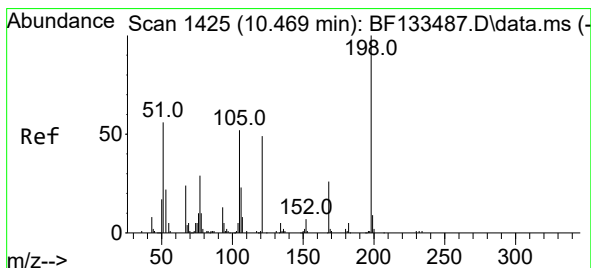
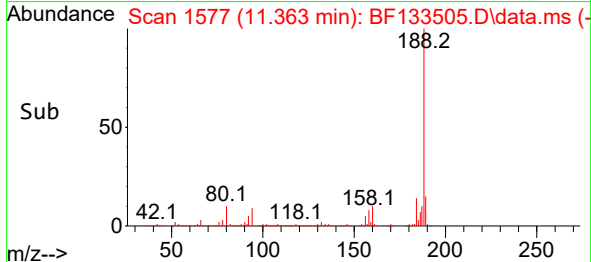
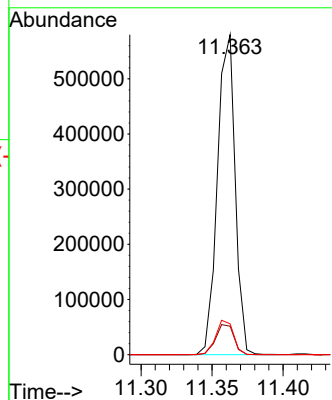
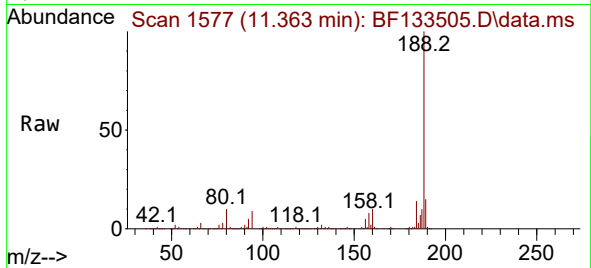




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

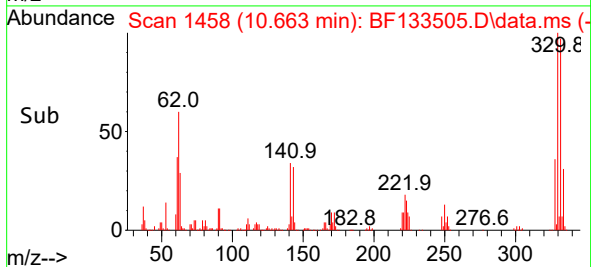
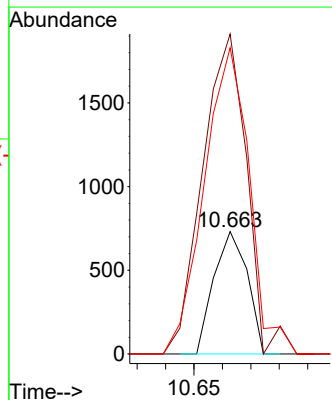
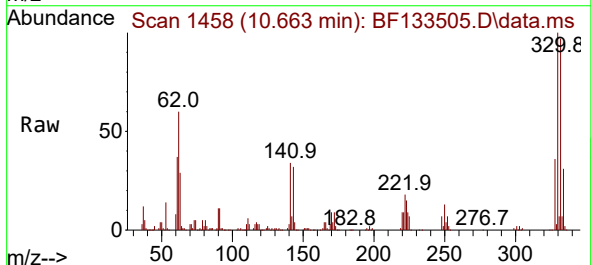
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

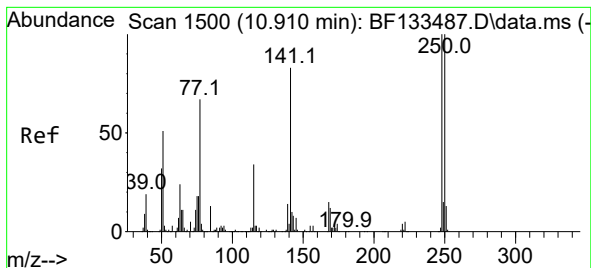
Tgt Ion:188 Resp: 503050
Ion Ratio Lower Upper
188 100
94 8.9 8.6 12.8
80 9.6 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 8.949 ng
RT: 10.663 min Scan# 1458
Delta R.T. 0.194 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion:198 Resp: 598
Ion Ratio Lower Upper
198 100
51 261.2 53.6 93.6#
105 250.0 35.9 75.9#

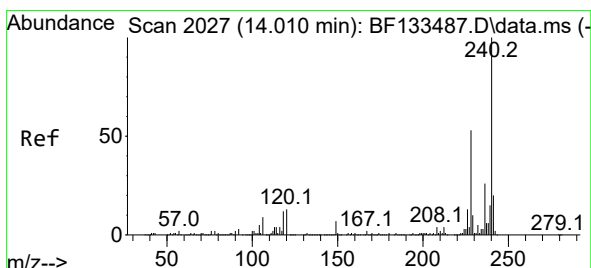
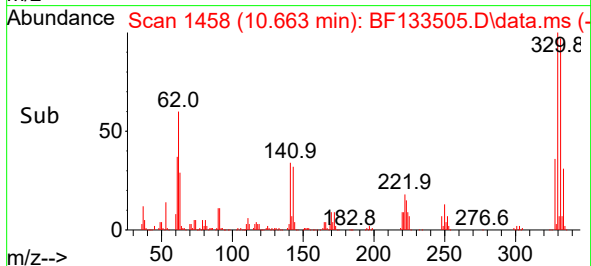
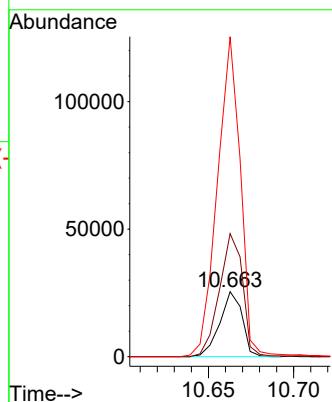
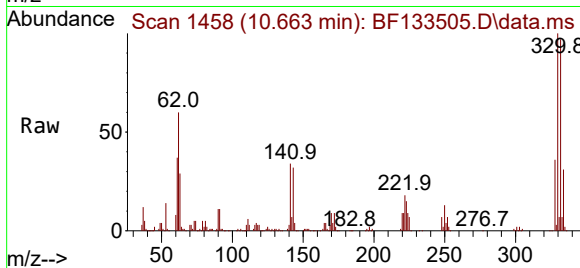




#67
4-Bromophenyl-phenylether
Concen: 4.364 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

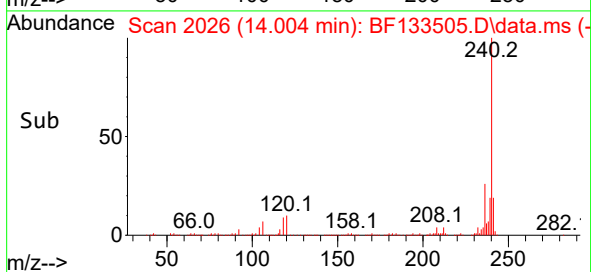
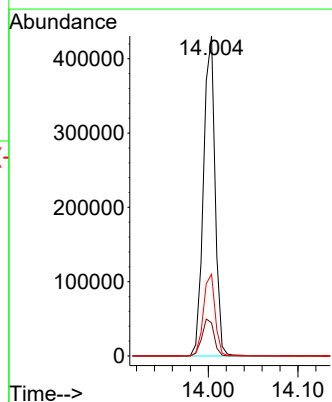
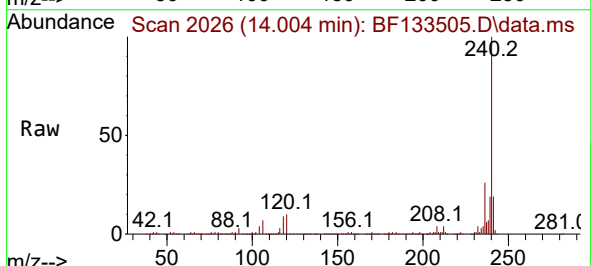
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

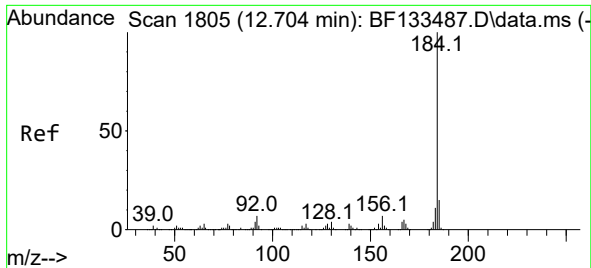
Tgt Ion:248 Resp: 23312
Ion Ratio Lower Upper
248 100
250 189.4 79.7 119.5#
141 492.7 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

Tgt Ion:240 Resp: 386801
Ion Ratio Lower Upper
240 100
120 10.4 10.3 15.5
236 25.6 20.5 30.7

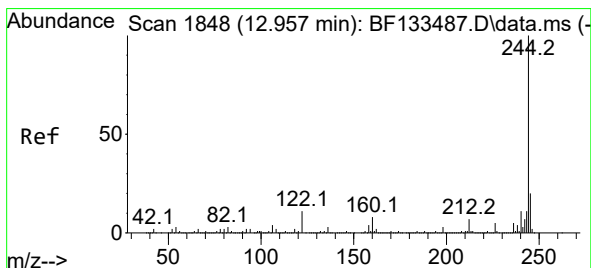
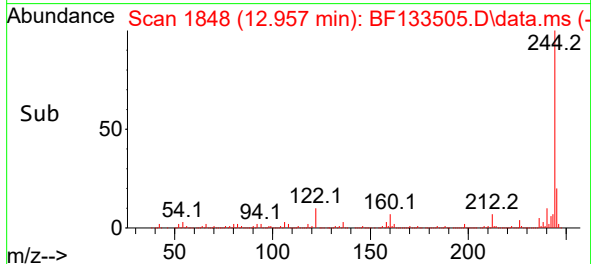
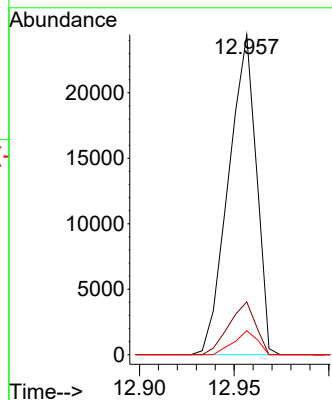
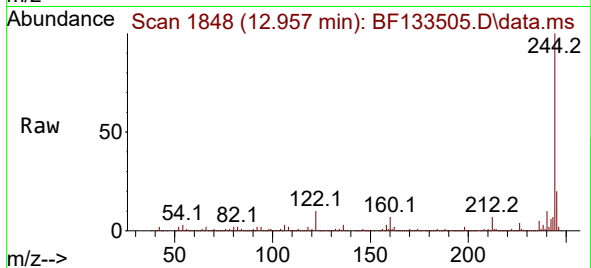




#77
Benzidine
Concen: 2.201 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.253 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

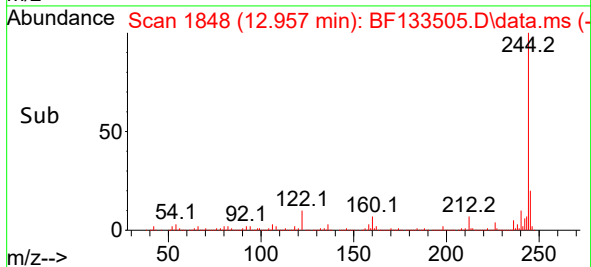
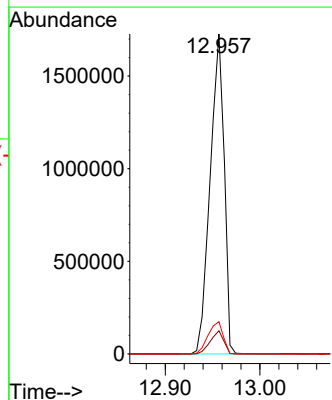
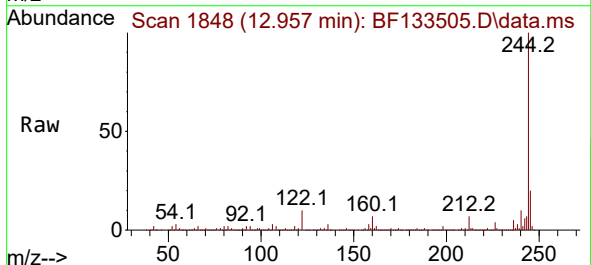
Instrument :
BNA_F
ClientSampleId :
SU-621-COMP-01

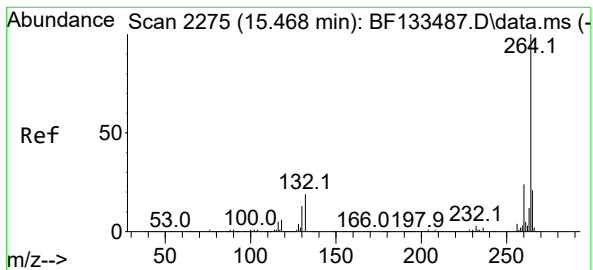
Tgt Ion:184 Resp: 24899
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.2
183 7.5 8.7 13.1#



#79
Terphenyl-d14
Concen: 81.471 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF133505.D
Acq: 26 May 2023 18:26

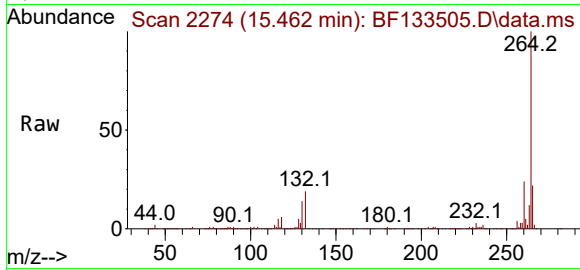
Tgt Ion:244 Resp: 1772414
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 10.1 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133505.D
 Acq: 26 May 2023 18:26

Instrument :
 BNA_F
 ClientSampleId :
 SU-621-COMP-01



Tgt Ion:264 Resp: 344485

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.5	16.8	25.2

