

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
 Data File : BF133581.D
 Acq On : 05 Jun 2023 23:20
 Operator : CG\JU
 Sample : 02983-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB24B

Quant Time: Jun 06 01:08:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 17:49:53 2023
 Response via : Initial Calibration

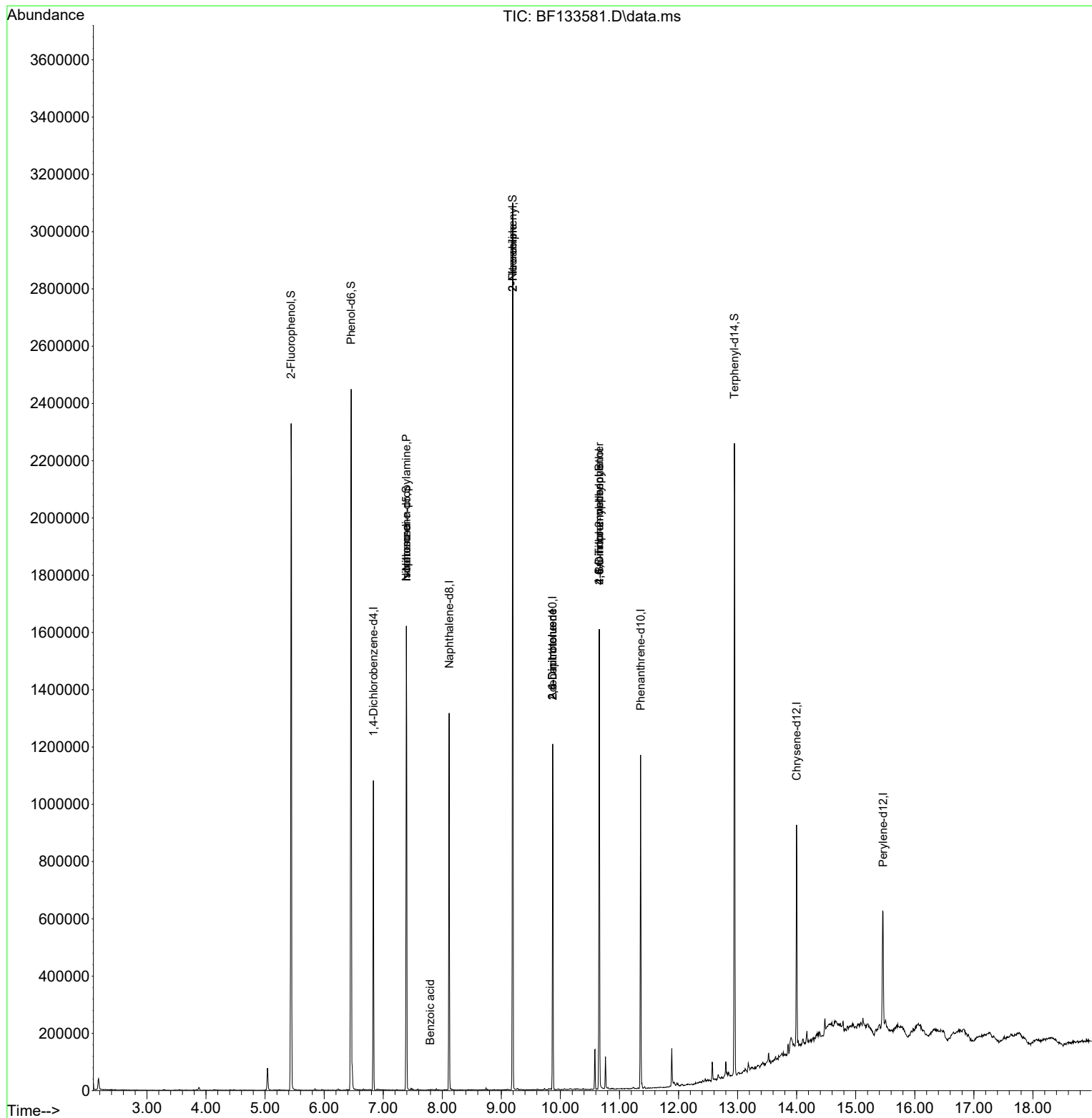
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	141299	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	502653	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	217566	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	386164	20.000	ng	0.00
76) Chrysene-d12	13.998	240	251681	20.000	ng	0.00
86) Perylene-d12	15.463	264	202361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	653705	77.190	ng	0.00
7) Phenol-d6	6.457	99	776009	74.436	ng	0.00
23) Nitrobenzene-d5	7.393	82	466043	61.906	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	176232	81.260	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	838748	59.502	ng	0.00
79) Terphenyl-d14	12.945	244	793264	56.040	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	483	Below Cal	Qvalue	# 76
19) n-Nitroso-di-n-propyla...	7.393	70	63361	9.393	ng	# 76
25) Isophorone	7.393	82	466038	26.562	ng	# 65
32) Benzoic acid	7.798	122	350	7.409	ng	# 88
48) 2-Nitroaniline	9.192	65	1524	4.330	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	28431	12.711	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	28431	11.846	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	372	8.904	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	10806	2.635	ng	# 1

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

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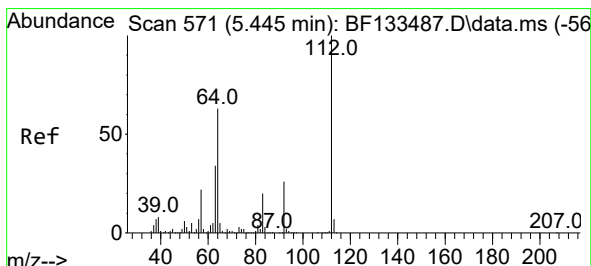
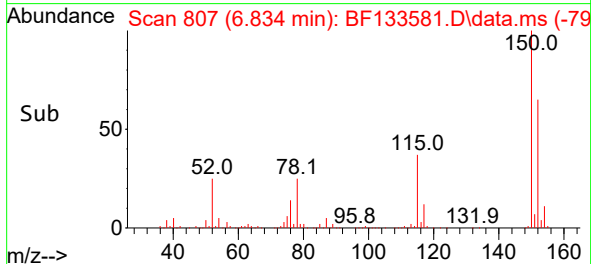
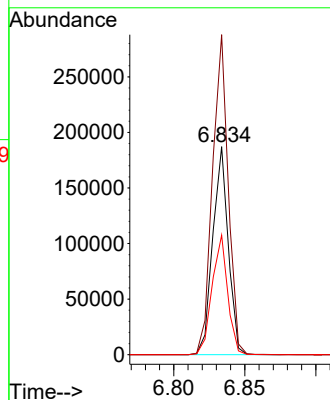
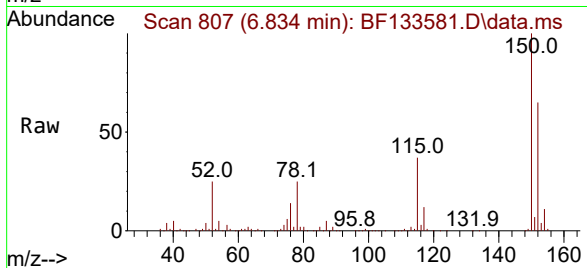




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

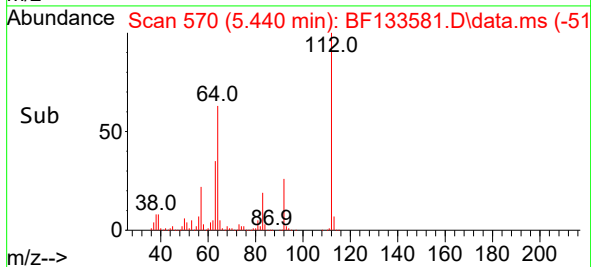
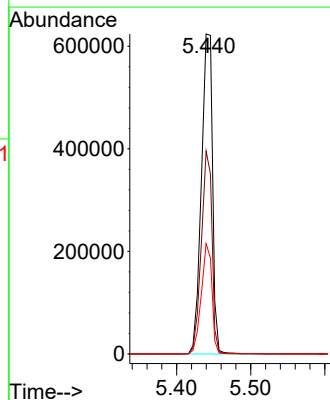
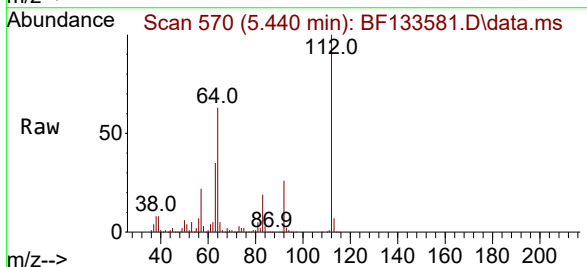
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BNA_F
ClientSampleId :
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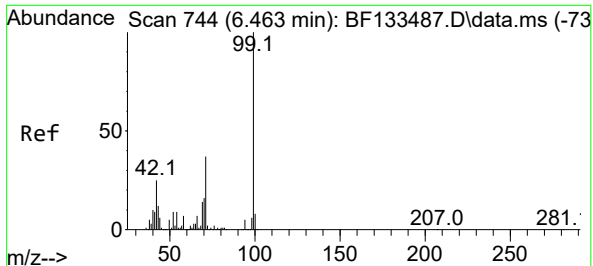
Tgt Ion:152 Resp: 141299
Ion Ratio Lower Upper
152 100
150 153.9 124.9 187.3
115 57.4 48.1 72.1



#5
2-Fluorophenol
Concen: 77.190 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion:112 Resp: 653705
Ion Ratio Lower Upper
112 100
64 63.4 50.1 75.1
63 34.5 27.5 41.3

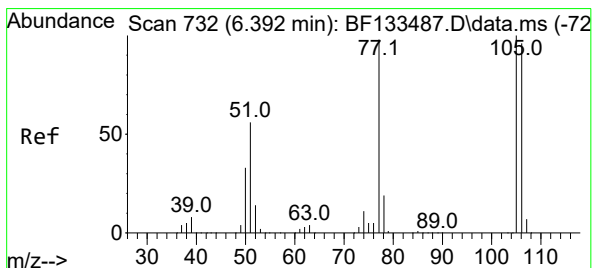
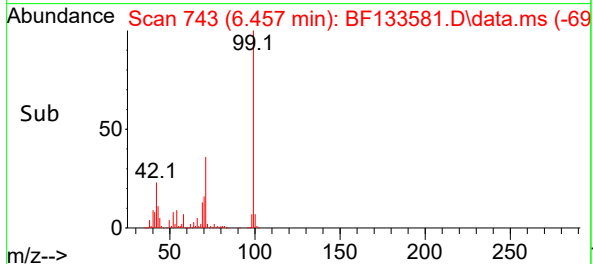
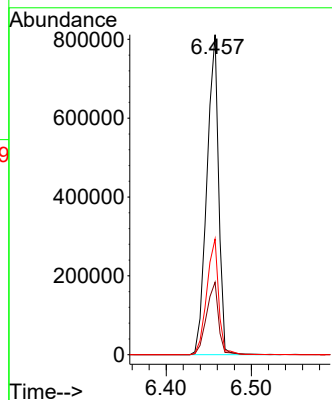
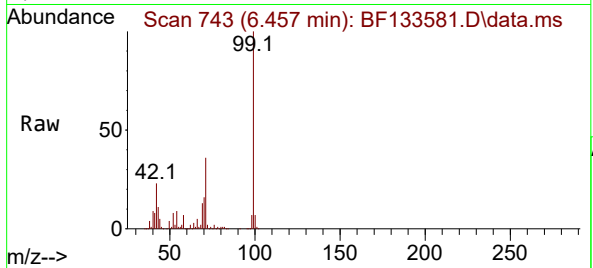




#7
Phenol-d6
Concen: 74.436 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

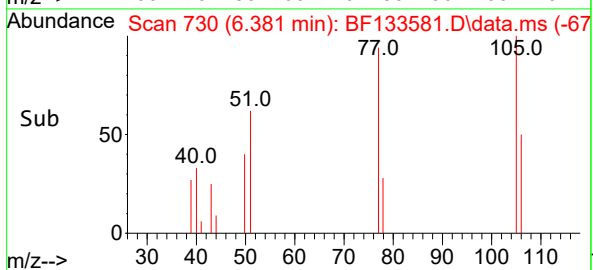
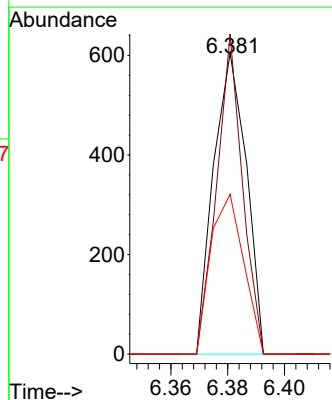
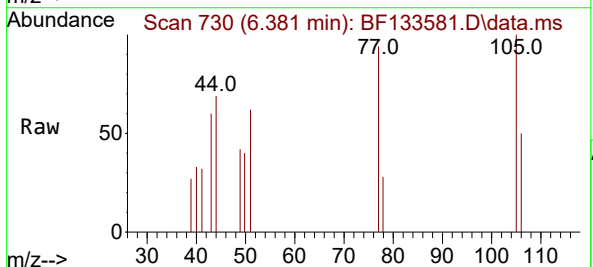
Instrument :
BNA_F
ClientSampleId :
SB24B

Tgt Ion: 99 Resp: 776009
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 36.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. 0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion: 77 Resp: 483
Ion Ratio Lower Upper
77 100
105 106.3 81.9 121.9
106 53.1 77.8 117.8#

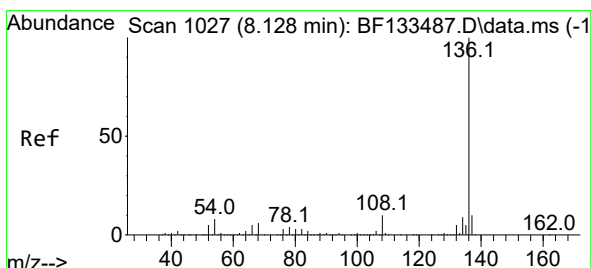
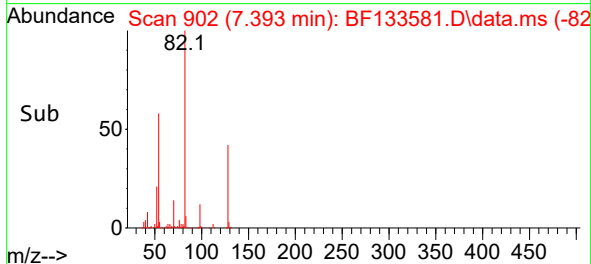
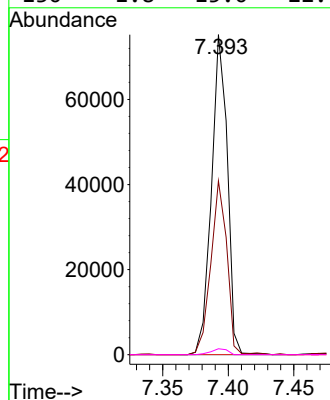
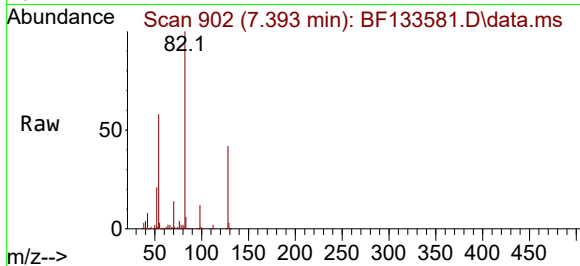




#19
n-Nitroso-di-n-propylamine
Concen: 9.393 ng
RT: 7.393 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

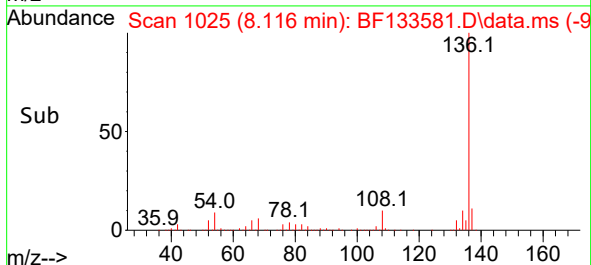
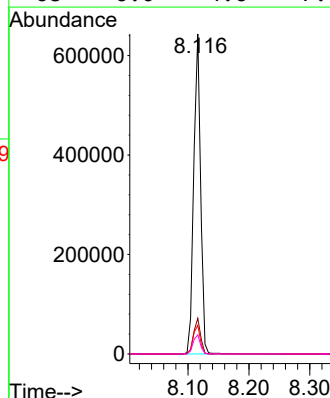
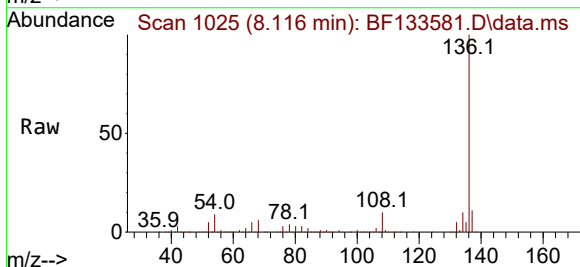
Instrument :
BNA_F
ClientSampleId :
SB24B

Tgt Ion: 70 Resp: 63361
Ion Ratio Lower Upper
70 100
42 54.3 57.2 85.8#
101 0.0 7.3 10.9#
130 1.8 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion: 136 Resp: 502653
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.4
54 9.0 6.6 10.0
68 6.0 4.6 7.0

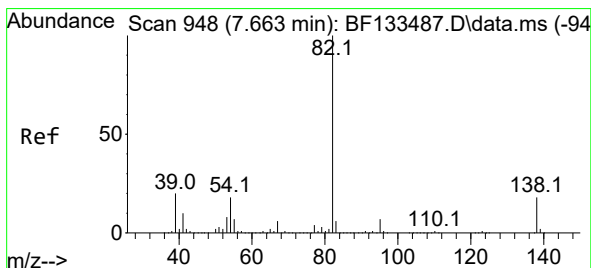
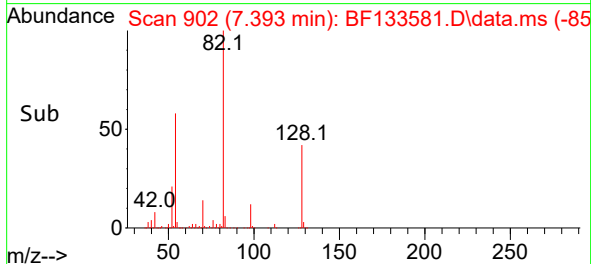
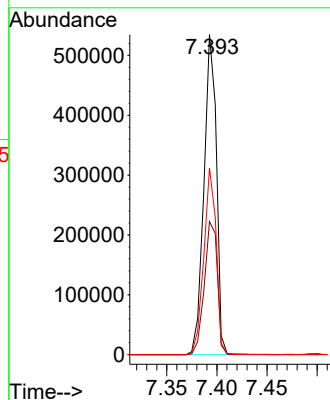
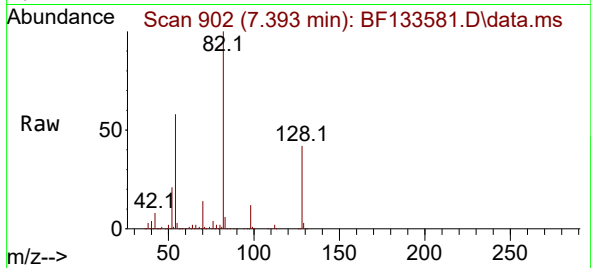




#23
Nitrobenzene-d5
Concen: 61.906 ng
RT: 7.393 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

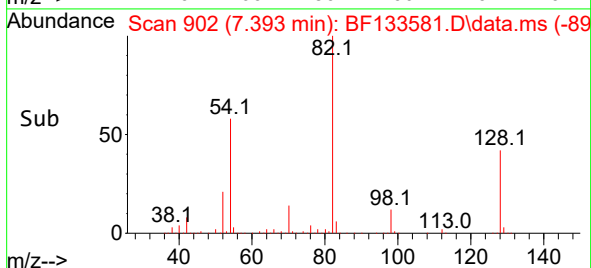
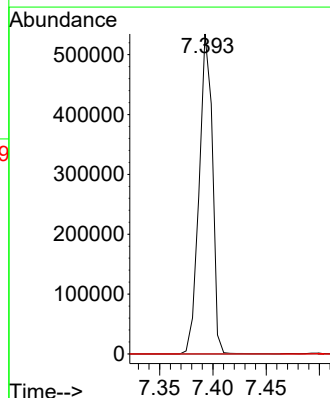
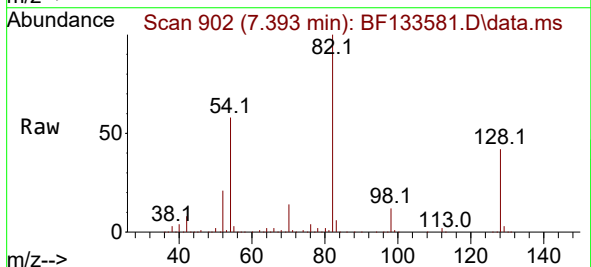
Instrument :
BNA_F
ClientSampleId :
SB24B

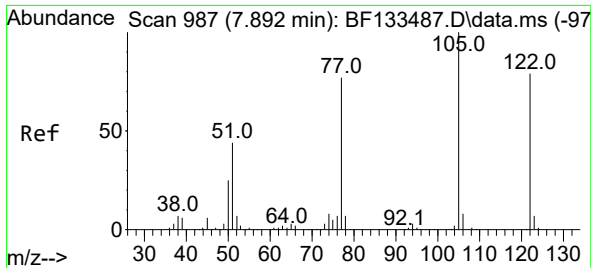
Tgt Ion: 82 Resp: 466043
Ion Ratio Lower Upper
82 100
128 41.6 34.2 51.4
54 58.4 48.2 72.4



#25
Isophorone
Concen: 26.562 ng
RT: 7.393 min Scan# 902
Delta R.T. -0.264 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion: 82 Resp: 466038
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.4#

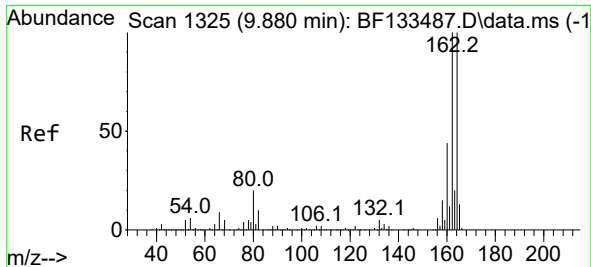
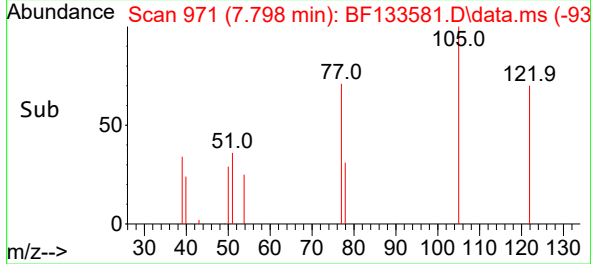
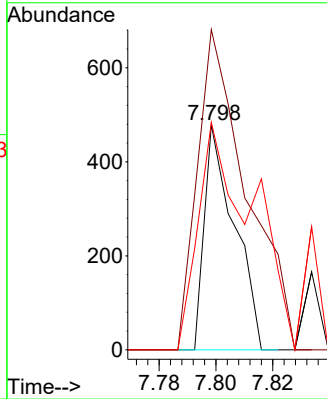
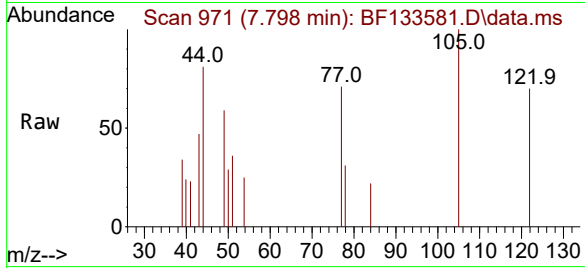




#32
Benzoic acid
Concen: 7.409 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.065 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

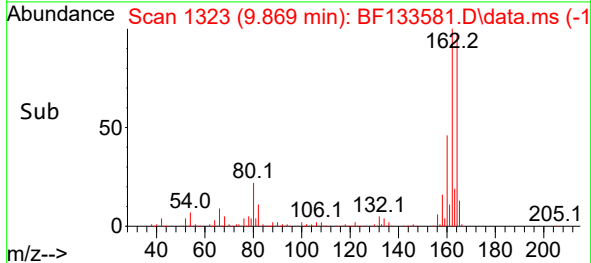
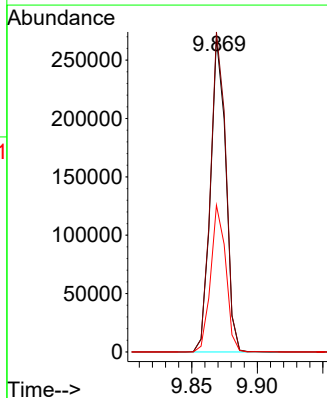
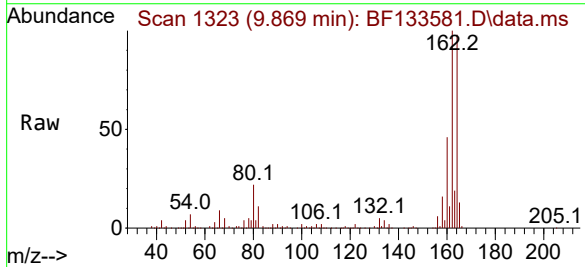
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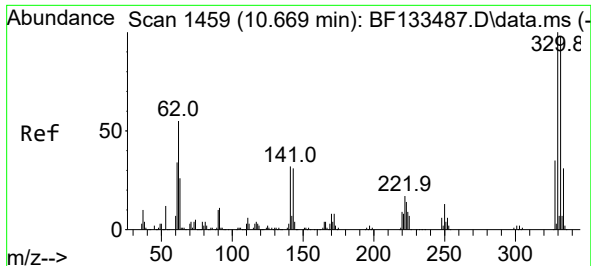
Tgt Ion:122 Resp: 350
Ion Ratio Lower Upper
122 100
105 142.2 103.3 143.3
77 101.0 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion:164 Resp: 217566
Ion Ratio Lower Upper
164 100
162 101.9 79.7 119.5
160 46.7 35.4 53.0

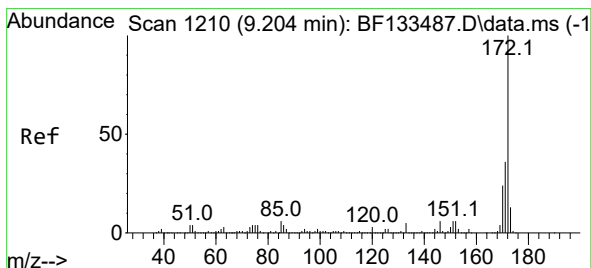
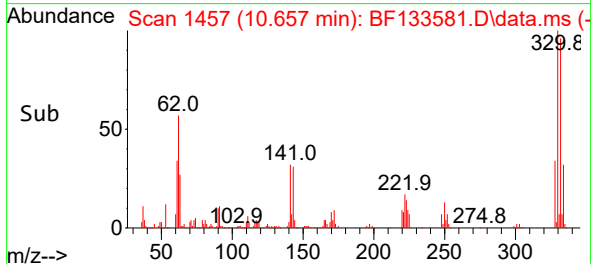
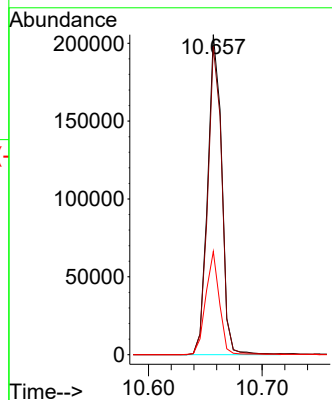
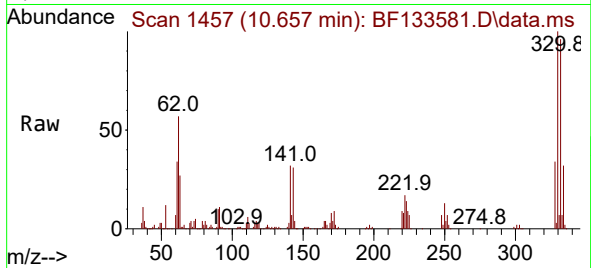




#42
2,4,6-Tribromophenol
Concen: 81.260 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

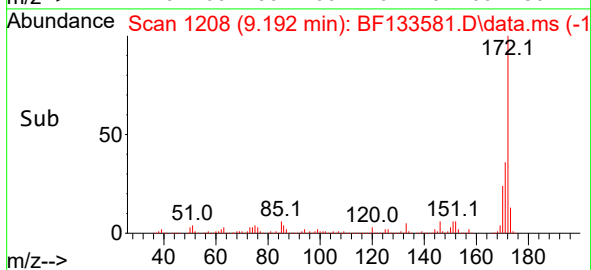
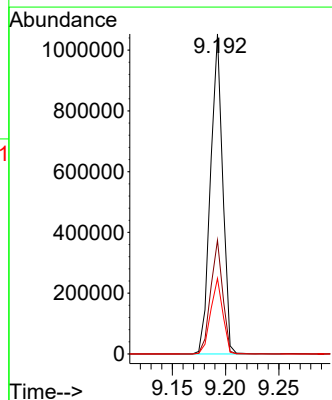
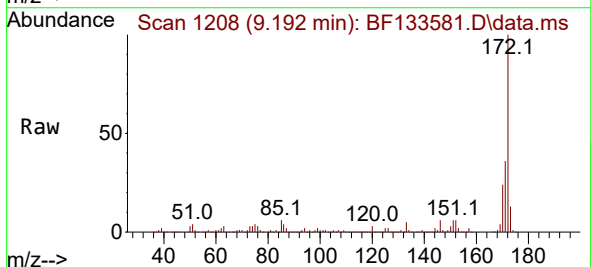
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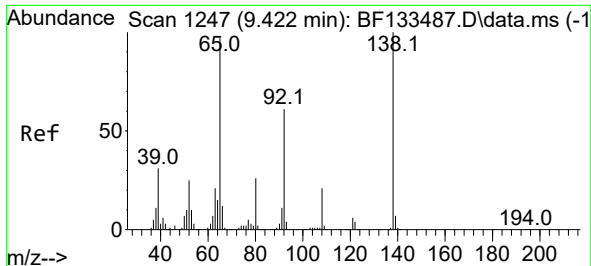
Tgt Ion:330 Resp: 176232
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.6
141 31.7 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 59.502 ng
RT: 9.192 min Scan# 1208
Delta R.T. 0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion:172 Resp: 838748
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.6 19.3 28.9

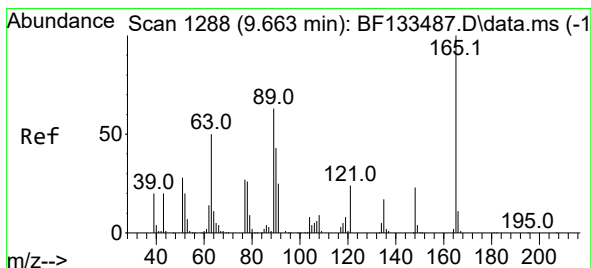
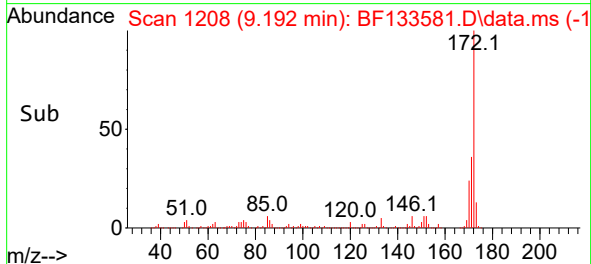
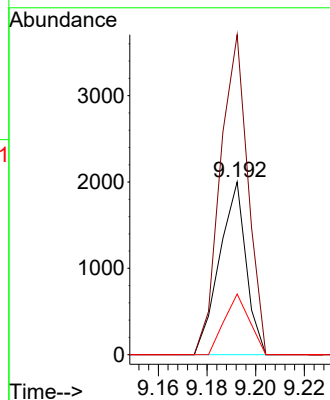
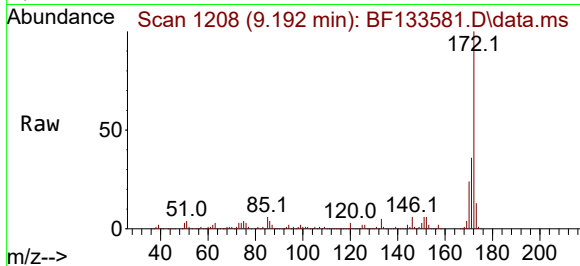




#48
2-Nitroaniline
Concen: 4.330 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

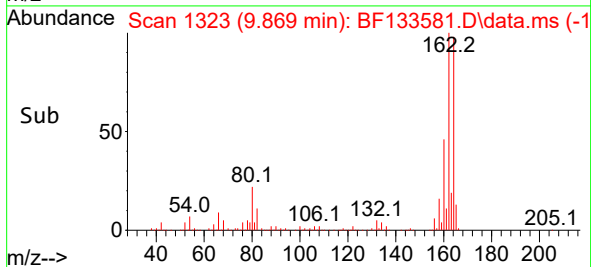
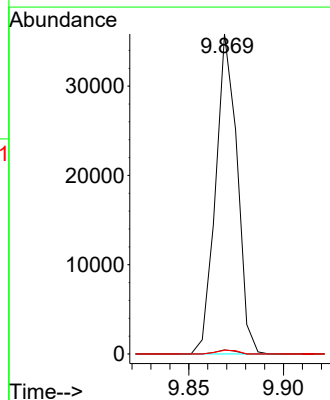
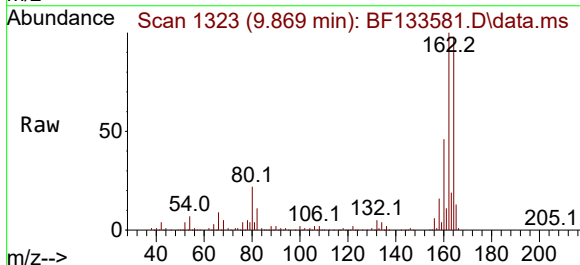
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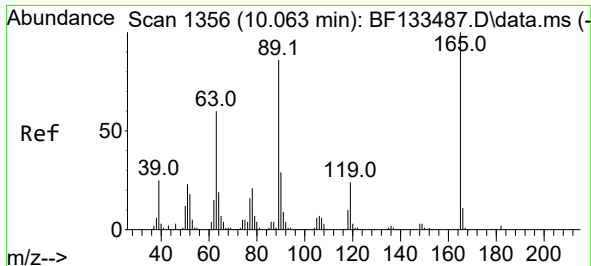
Tgt Ion: 65 Resp: 1524
Ion Ratio Lower Upper
65 100
92 185.1 50.8 76.2#
138 35.1 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.711 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion: 165 Resp: 28431
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.2 50.8 76.2#

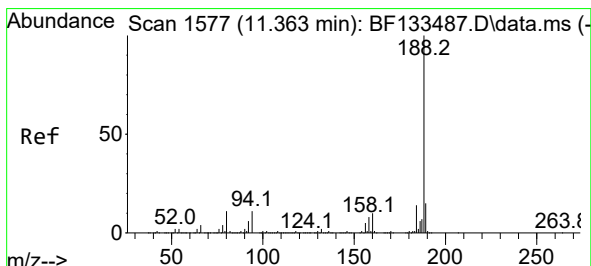
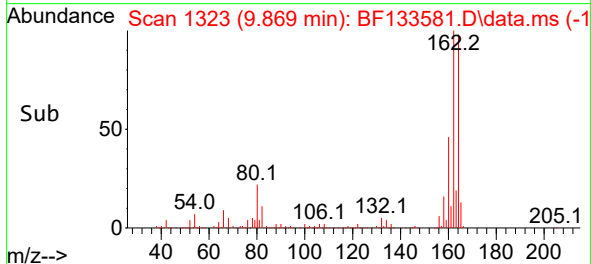
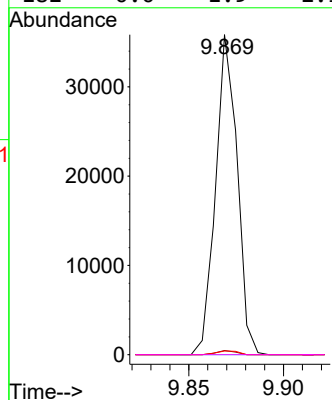
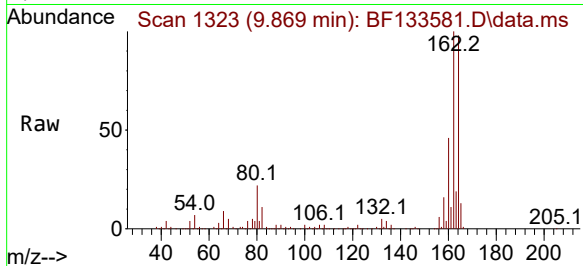




#57
2,4-Dinitrotoluene
Concen: 11.846 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

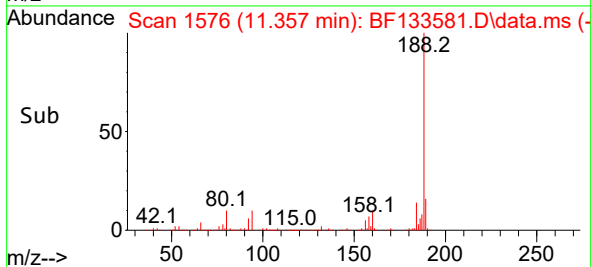
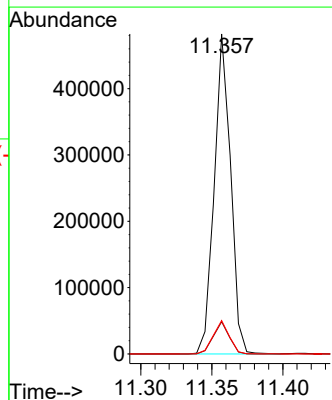
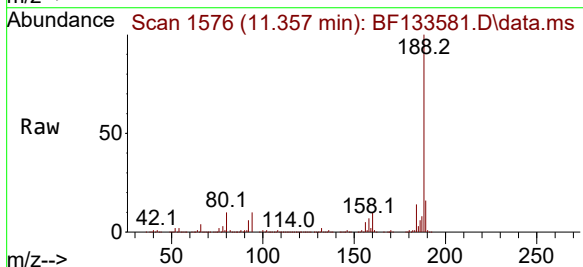
Instrument :
BNA_F
ClientSampleId :
SB24B

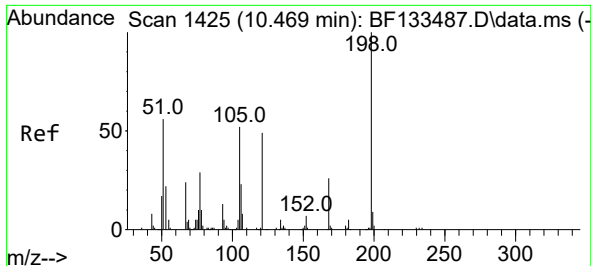
Tgt Ion:165 Resp: 28431
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.2 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion:188 Resp: 386164
Ion Ratio Lower Upper
188 100
94 10.1 8.6 12.8
80 10.4 9.2 13.8

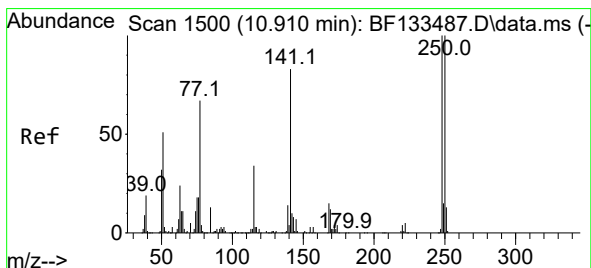
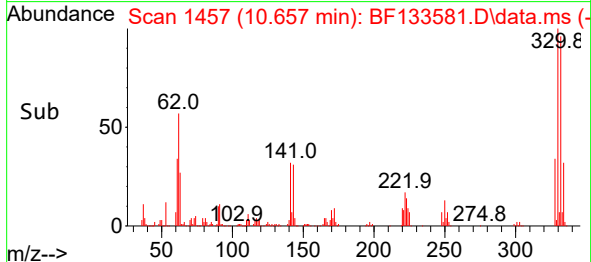
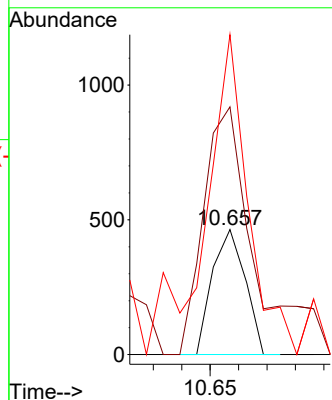
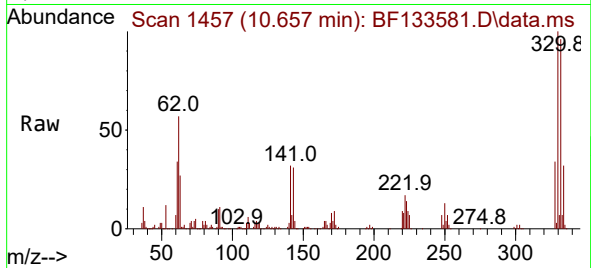




#65
4,6-Dinitro-2-methylphenol
Concen: 8.904 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

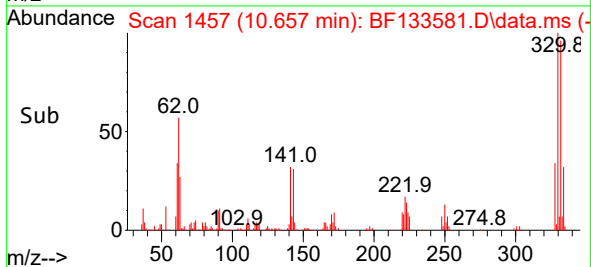
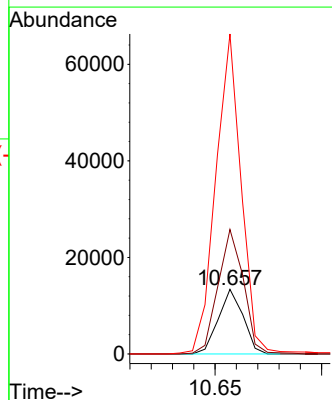
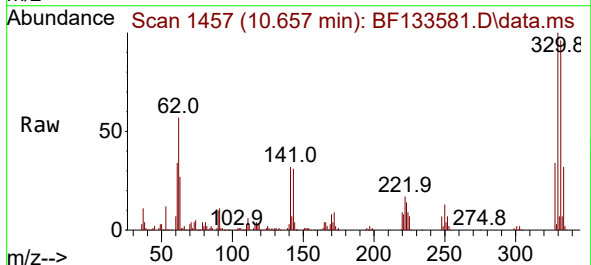
Instrument :
BNA_F
ClientSampleId :
SB24B

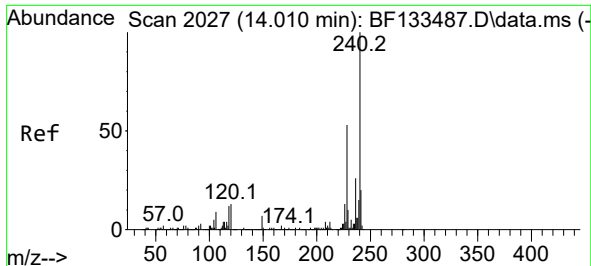
Tgt Ion:198 Resp: 372
Ion Ratio Lower Upper
198 100
51 198.1 53.6 93.6#
105 255.8 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.635 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Tgt Ion:248 Resp: 10806
Ion Ratio Lower Upper
248 100
250 192.5 79.7 119.5#
141 495.1 66.6 100.0#

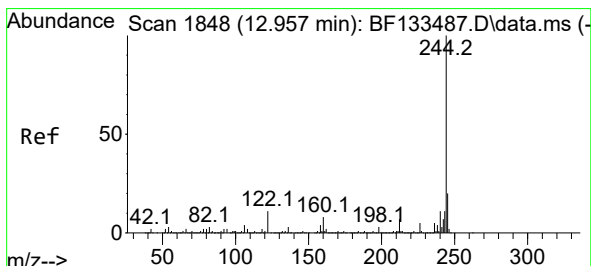
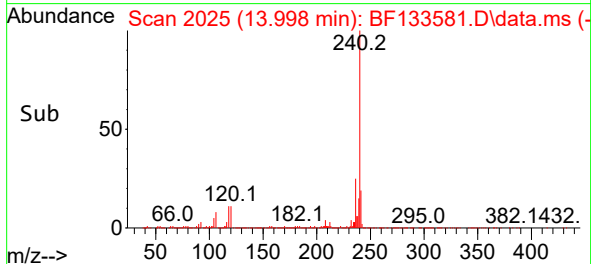
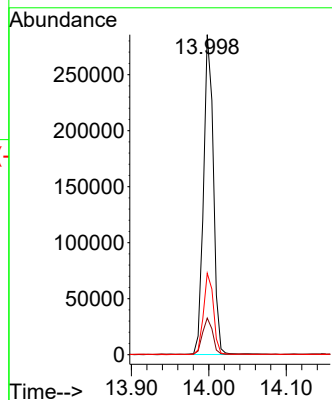
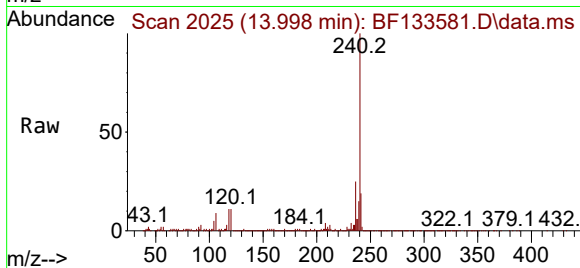




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

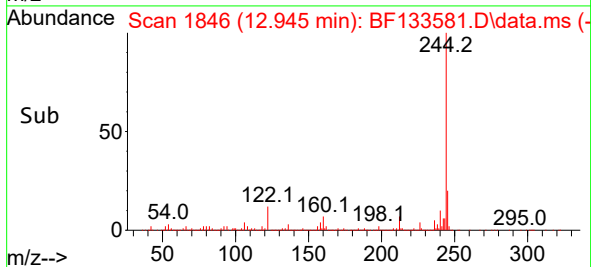
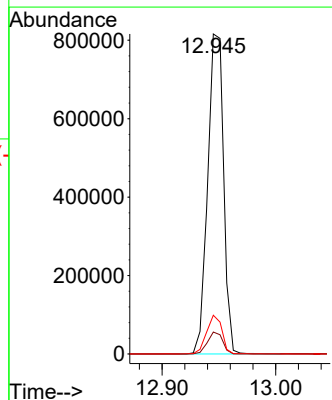
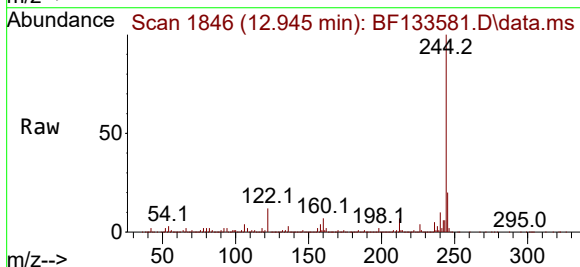
Instrument :
BNA_F
ClientSampleId :
SB24B

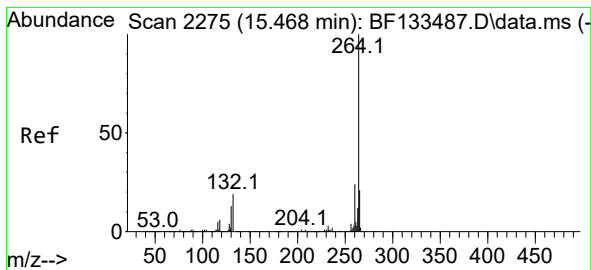
Tgt Ion:240 Resp: 251681
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 25.5 20.5 30.7



#79
Terphenyl-d14
Concen: 56.040 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.000 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

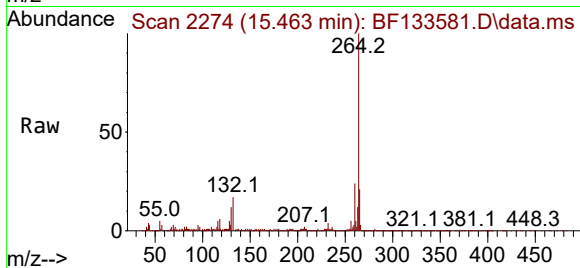
Tgt Ion:244 Resp: 793264
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 12.1 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133581.D
Acq: 05 Jun 2023 23:20

Instrument :
BNA_F
ClientSampleId :
SB24B



Tgt Ion:264 Resp: 202361

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.8	16.8	25.2

