

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110921\
 Data File : BF126089.D
 Acq On : 9 Nov 2021 19:17
 Operator : JU/CG
 Sample : M4523-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B4-110421-10-20

Quant Time: Nov 10 10:03:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

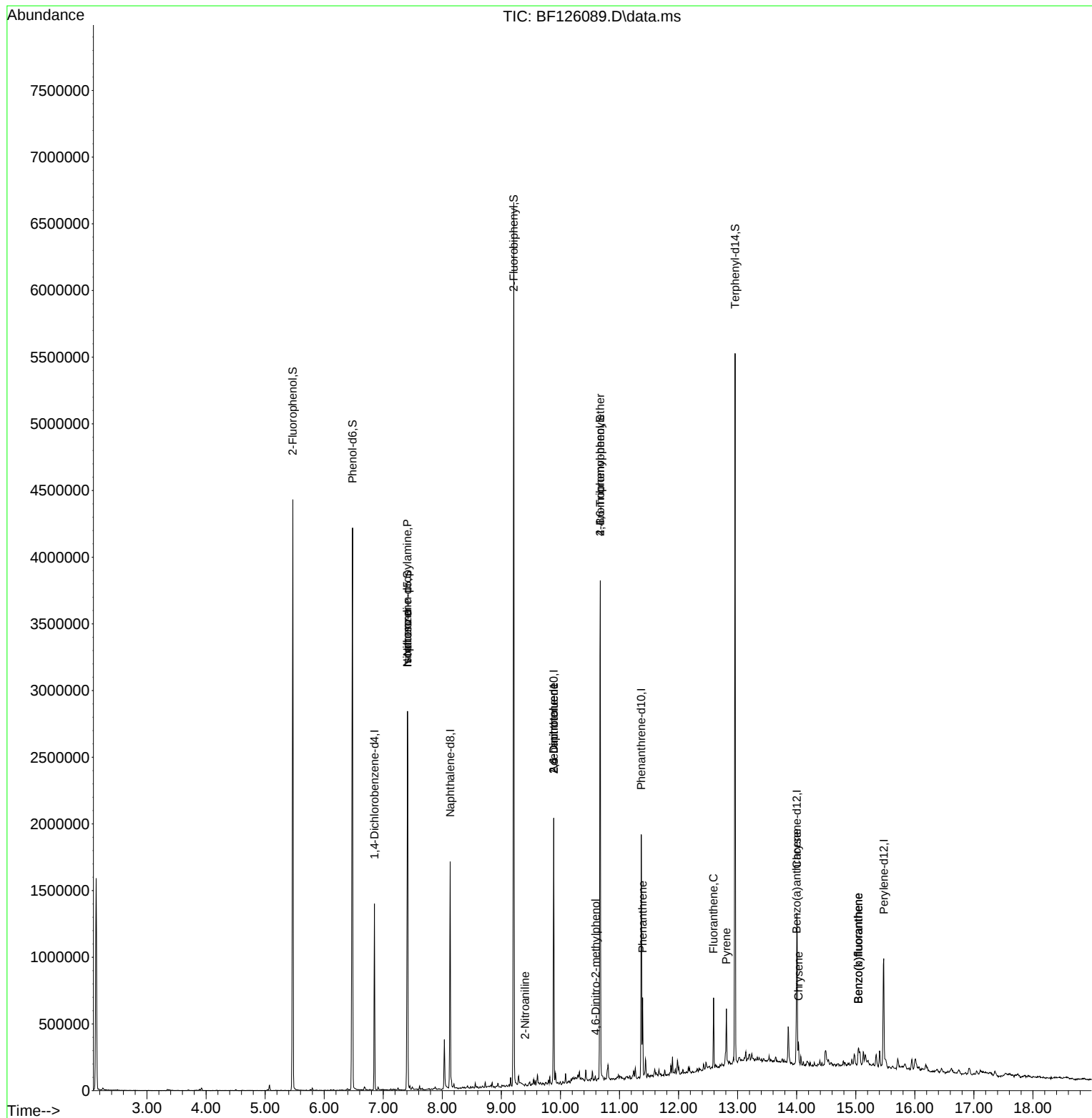
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	170681	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	632412	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	359031	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	602733	20.000	ng	0.00
76) Chrysene-d12	14.004	240	366952	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	382810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	962172	96.807	ng	0.00
7) Phenol-d6	6.481	99	1266888	90.422	ng	0.00
23) Nitrobenzene-d5	7.410	82	945472	70.506	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	410997	99.890	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1826455	68.746	ng	0.00
79) Terphenyl-d14	12.957	244	1554397	68.307	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	2019	Below Cal		93
19) n-Nitroso-di-n-propyla...	7.410	70	135556	14.676 ng	#	62
25) Isophorone	7.410	82	936456	38.787 ng	#	59
48) 2-Nitroaniline	9.404	65	1615	3.062 ng	#	25
51) 2,6-Dinitrotoluene	9.886	165	48510	10.827 ng	#	28
57) 2,4-Dinitrotoluene	9.886	165	48510	10.186 ng	#	20
65) 4,6-Dinitro-2-methylph...	10.598	198	110	8.348 ng	#	1
67) 4-Bromophenyl-phenylether	10.675	248	27531	3.771 ng	#	1
71) Phenanthrene	11.392	178	183627	5.618 ng		98
75) Fluoranthene	12.592	202	184756	5.076 ng		96
78) Pyrene	12.810	202	160178	5.443 ng		98
81) Benzo(a)anthracene	13.998	228	72421	2.873 ng		96
83) Chrysene	14.033	228	65711	2.801 ng		98
88) Benzo(b)fluoranthene	15.045	252	94983	3.815 ng	#	95
89) Benzo(k)fluoranthene	15.045	252	94983	3.932 ng		98

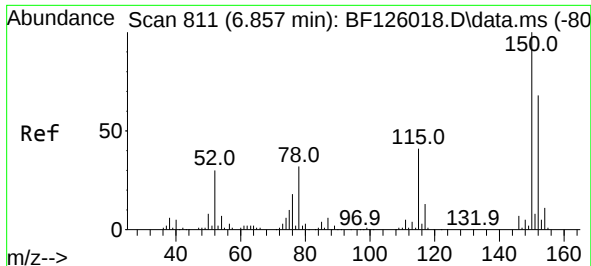
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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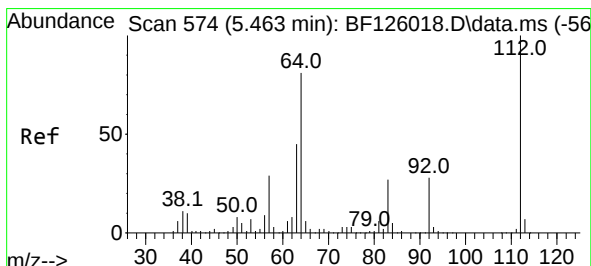
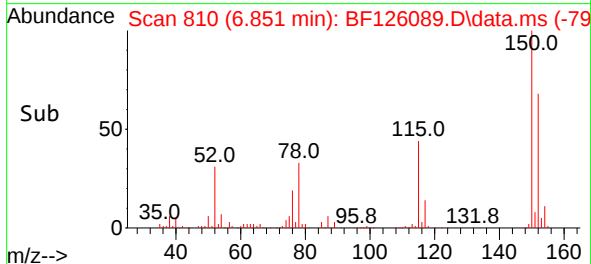
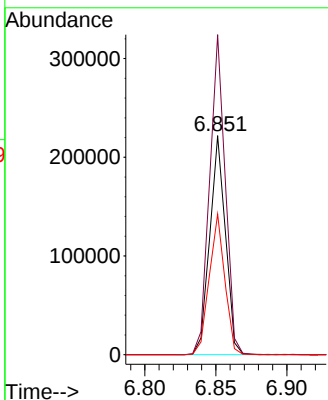
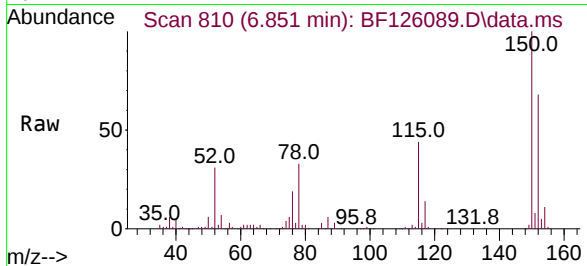




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

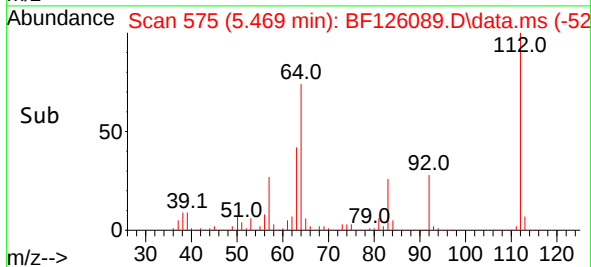
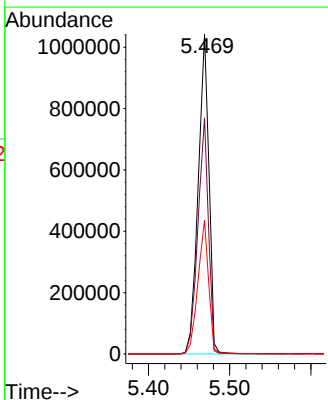
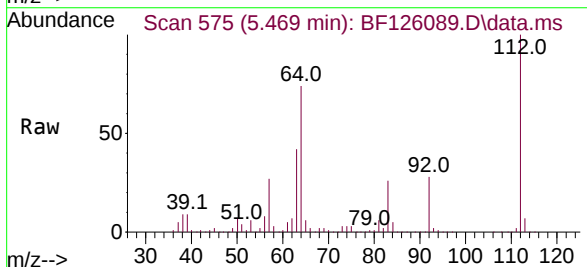
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

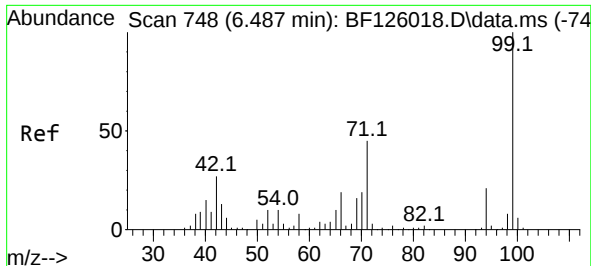
Tgt Ion:152 Resp: 170681
Ion Ratio Lower Upper
152 100
150 146.0 117.6 176.4
115 64.2 47.1 70.7



#5
2-Fluorophenol
Concen: 96.807 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:112 Resp: 962172
Ion Ratio Lower Upper
112 100
64 73.8 44.2 66.2#
63 41.9 26.2 39.2#

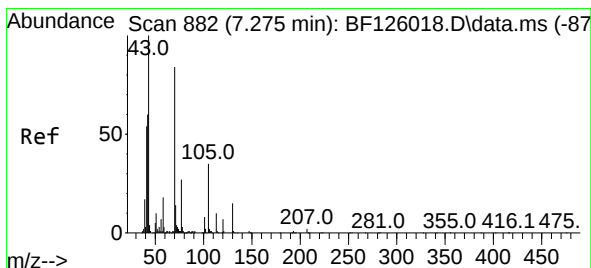
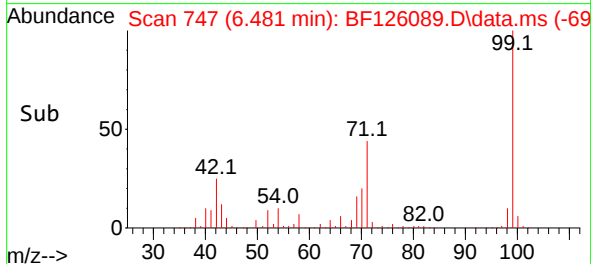
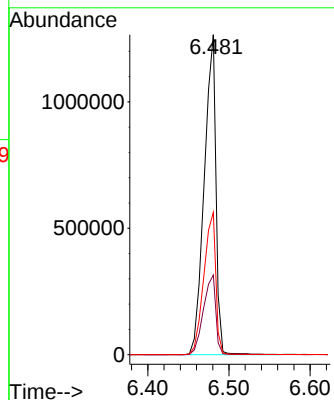
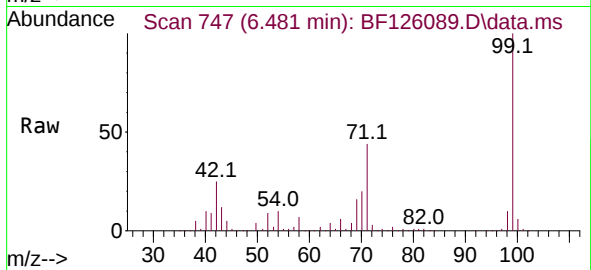




#7
Phenol-d6
Concen: 90.422 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

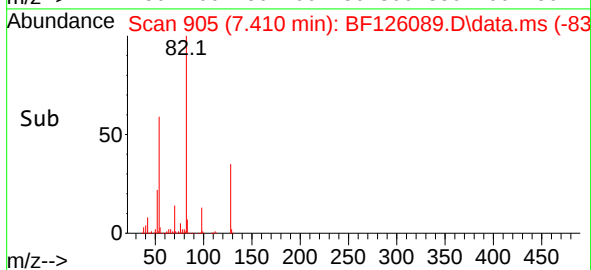
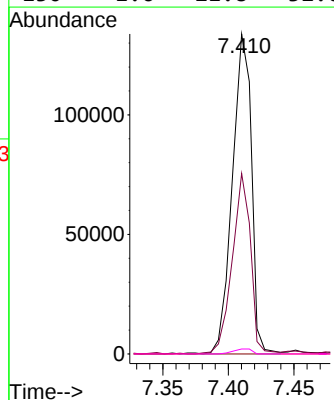
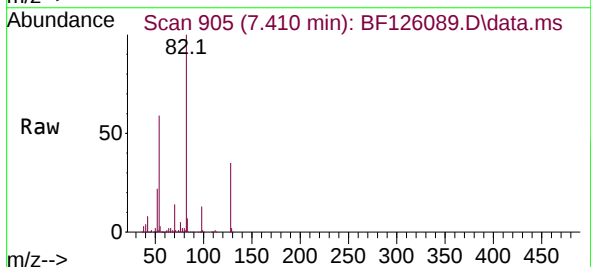
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

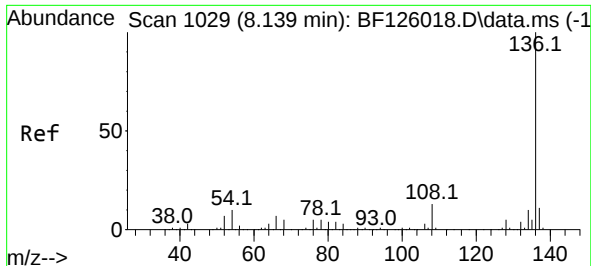
Tgt Ion: 99 Resp: 1266888
Ion Ratio Lower Upper
99 100
42 24.9 23.5 35.3
71 44.5 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 14.676 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion: 70 Resp: 135556
Ion Ratio Lower Upper
70 100
42 56.4 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#

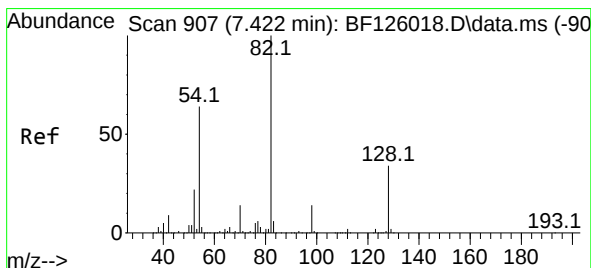
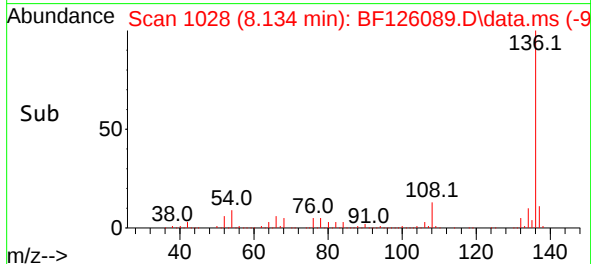
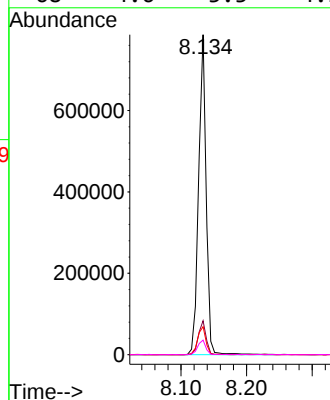
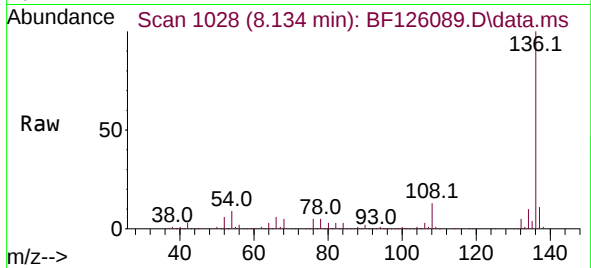




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

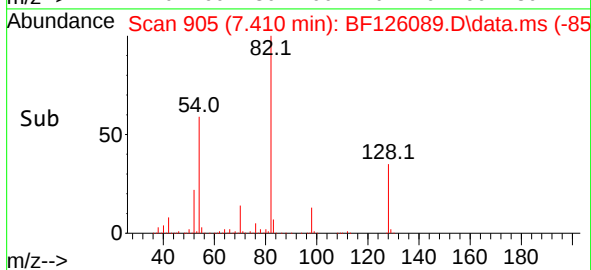
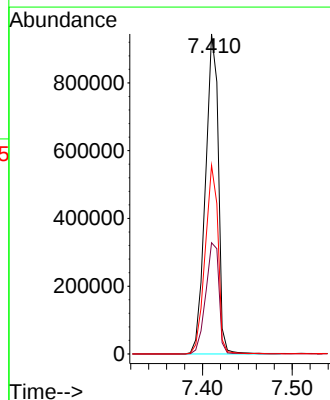
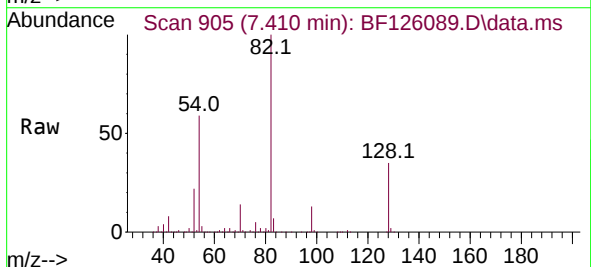
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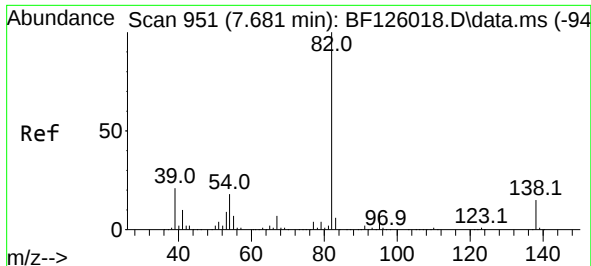
Tgt Ion:	136	Resp:	632412
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.8	14.6
54	8.8	6.4	9.6
68	4.6	3.3	4.9



#23
Nitrobenzene-d5
Concen: 70.506 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:	82	Resp:	945472
Ion Ratio	Lower	Upper	
82	100		
128	34.8	40.6	60.8
54	59.0	49.6	74.4

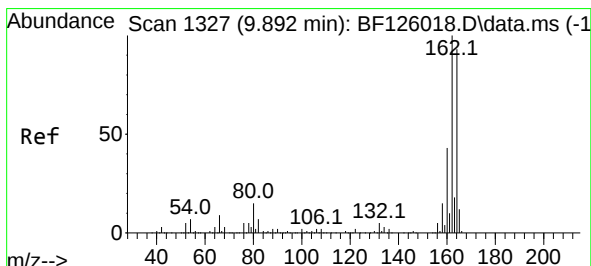
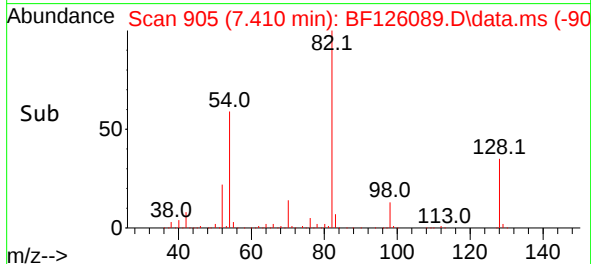
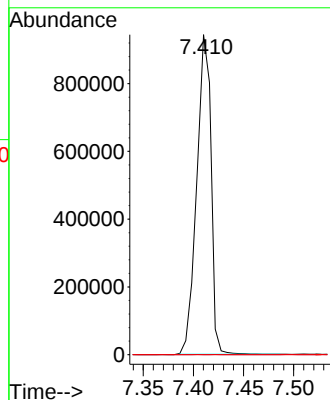
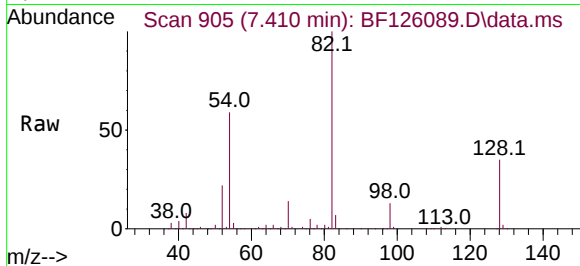




#25
Isophorone
Concen: 38.787 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

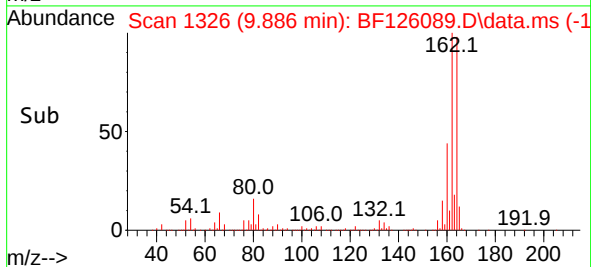
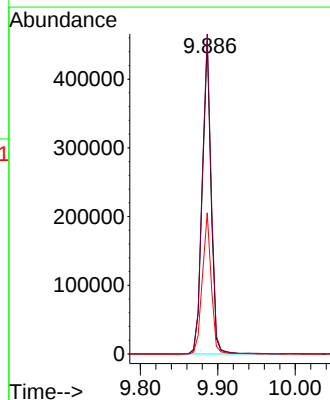
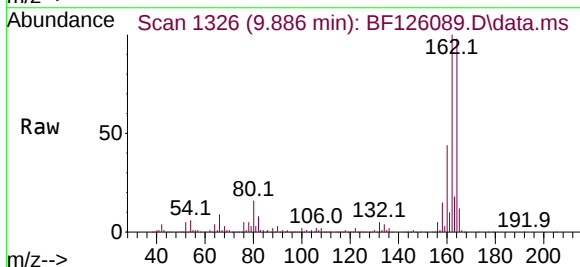
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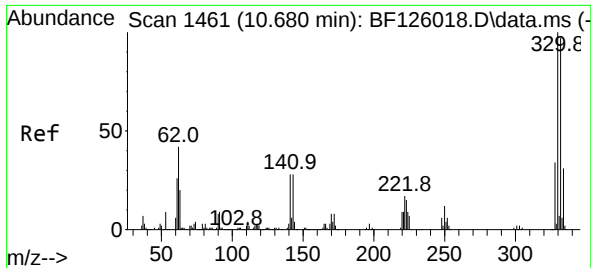
Tgt Ion: 82 Resp: 936456
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion: 164 Resp: 359031
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 45.1 38.0 57.0

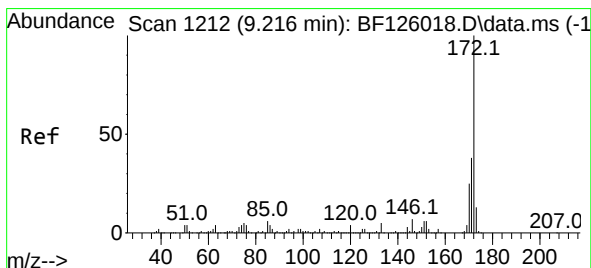
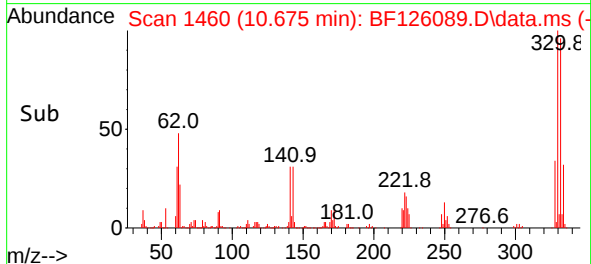
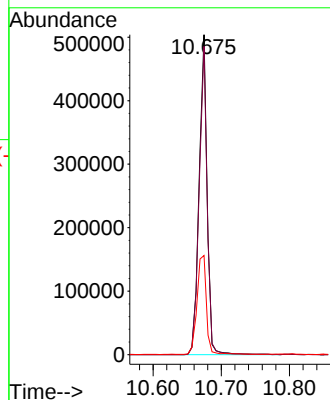
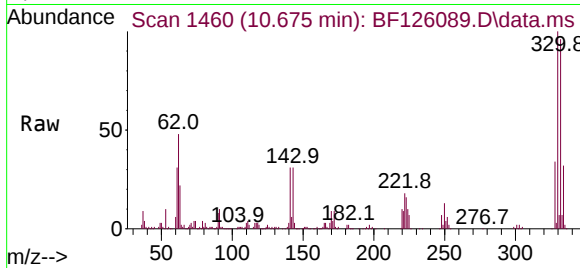




#42
2,4,6-Tribromophenol
Concen: 99.890 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

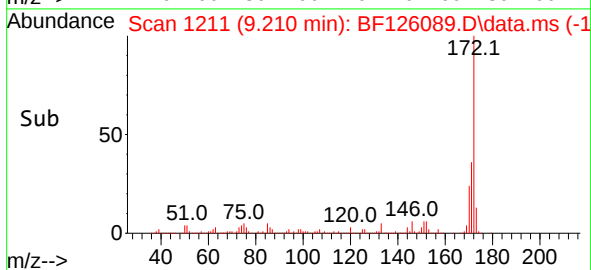
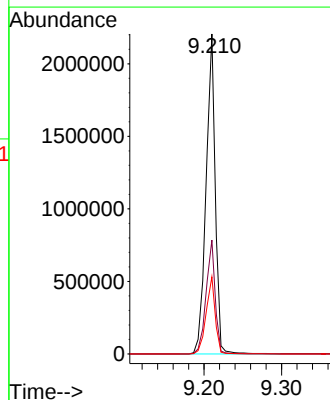
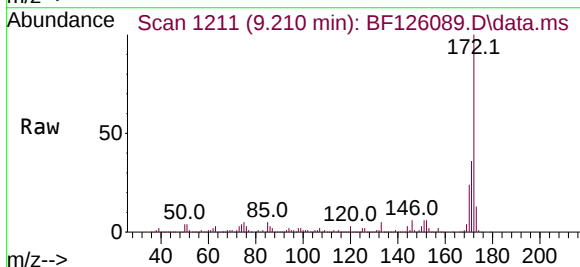
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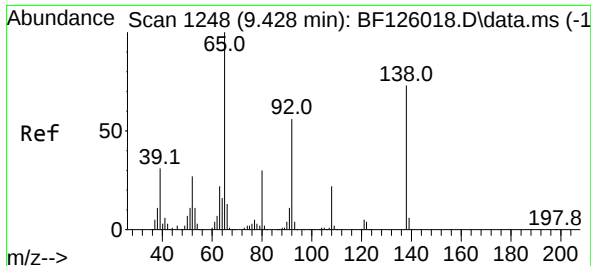
Tgt Ion:330 Resp: 410997
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 36.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 68.746 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:172 Resp: 1826455
Ion Ratio Lower Upper
172 100
171 35.6 26.5 39.7
170 24.1 18.8 28.2

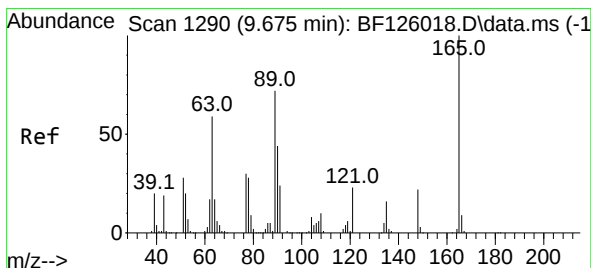
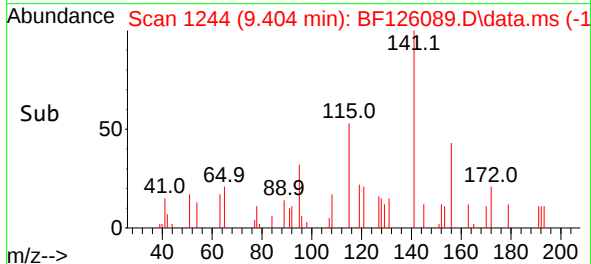
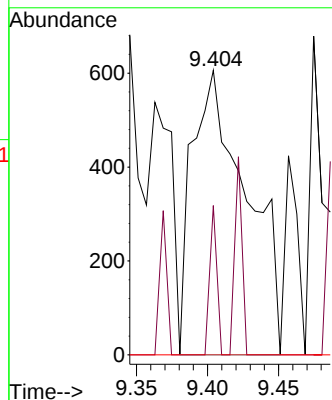
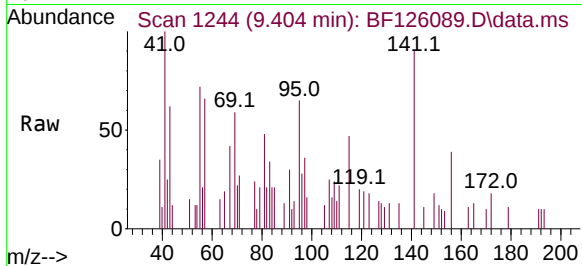




#48
2-Nitroaniline
Concen: 3.062 ng
RT: 9.404 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

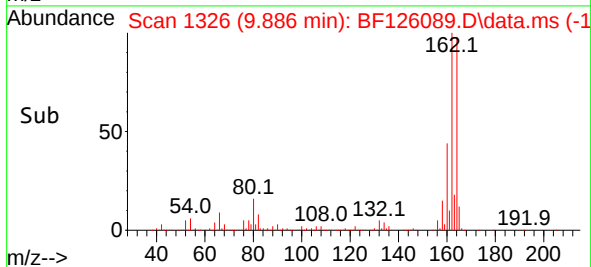
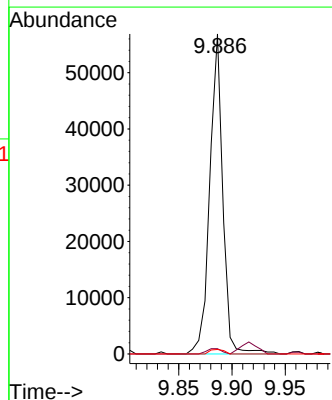
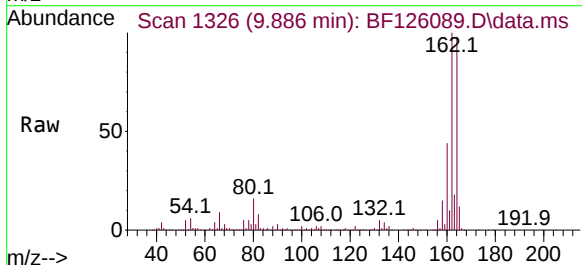
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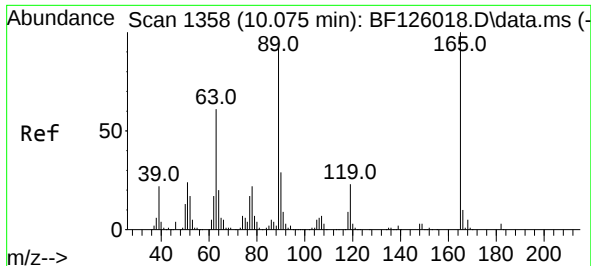
Tgt Ion: 65 Resp: 1615
Ion Ratio Lower Upper
65 100
92 52.5 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.827 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

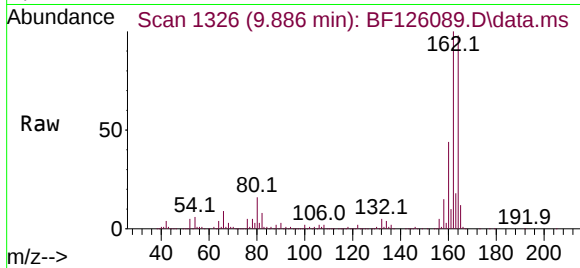
Tgt Ion: 165 Resp: 48510
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.4 40.6 60.8#



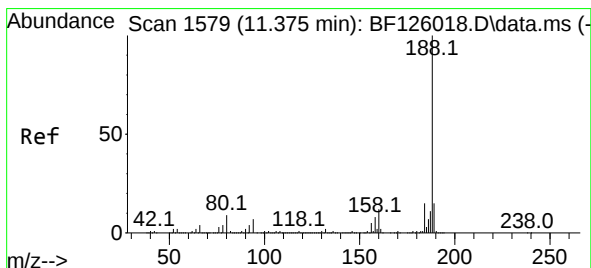
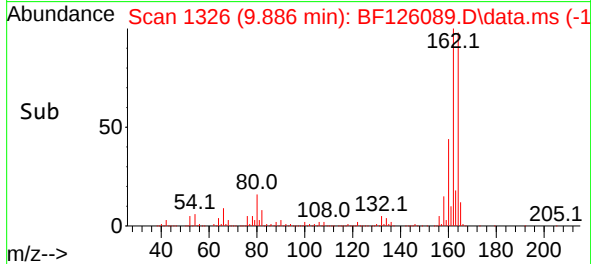
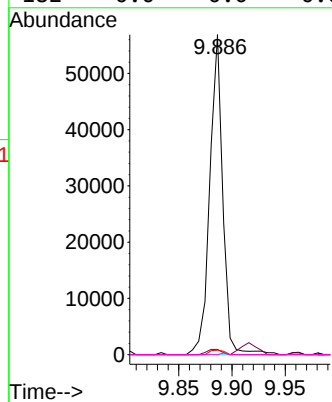


#57
2,4-Dinitrotoluene
Concen: 10.186 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

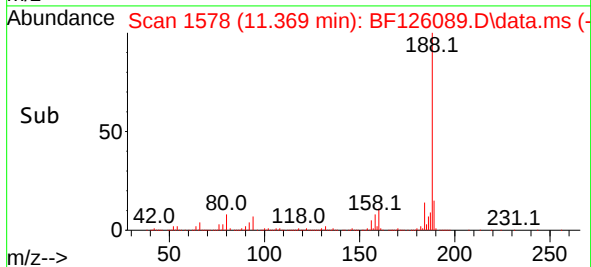
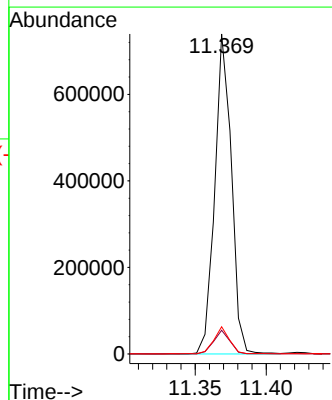
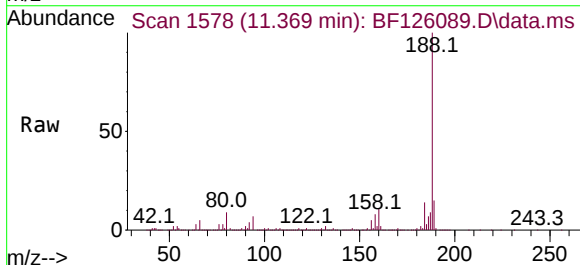


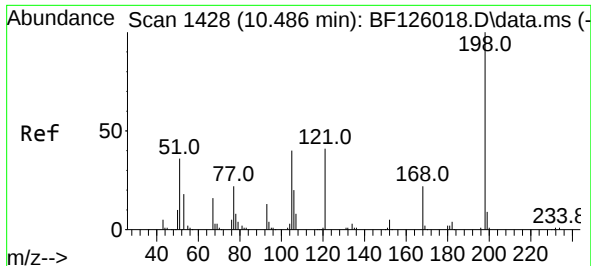
Tgt Ion:165 Resp: 48510
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:188 Resp: 602733
Ion Ratio Lower Upper
188 100
94 7.4 6.7 10.1
80 8.5 7.5 11.3

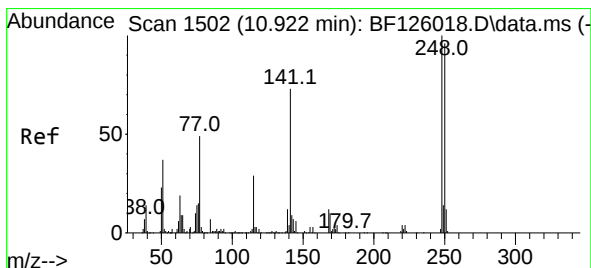
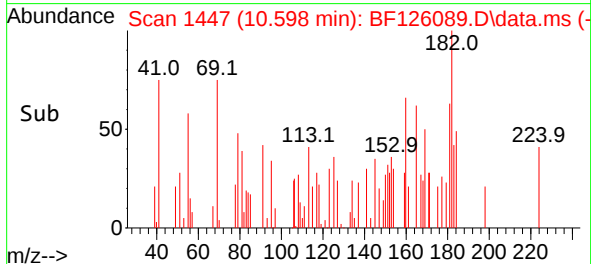
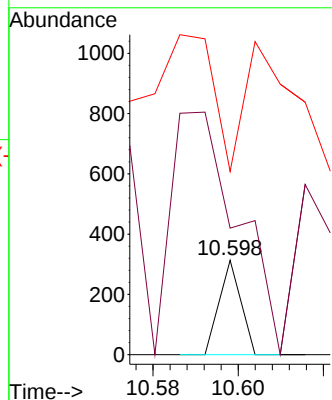
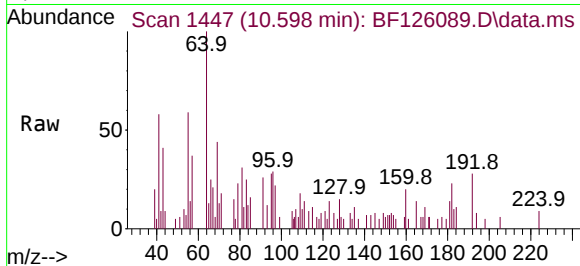




#65
4,6-Dinitro-2-methylphenol
Concen: 8.348 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.112 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

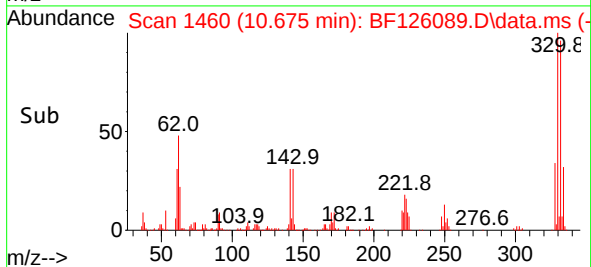
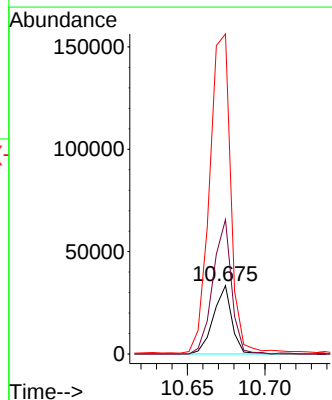
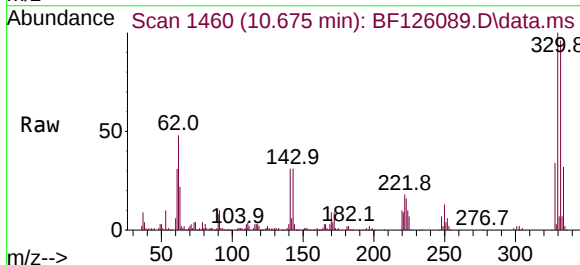
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

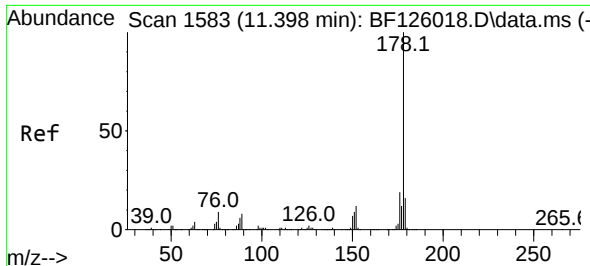
Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 134.2 45.3 85.3#
105 194.2 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.771 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:248 Resp: 27531
Ion Ratio Lower Upper
248 100
250 196.7 74.2 111.4#
141 468.5 60.4 90.6#

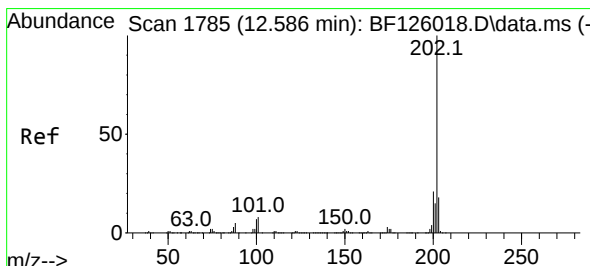
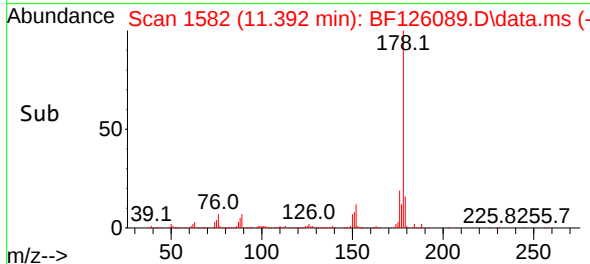
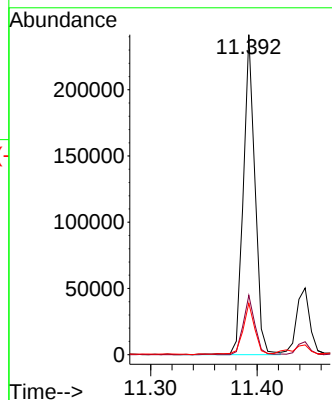
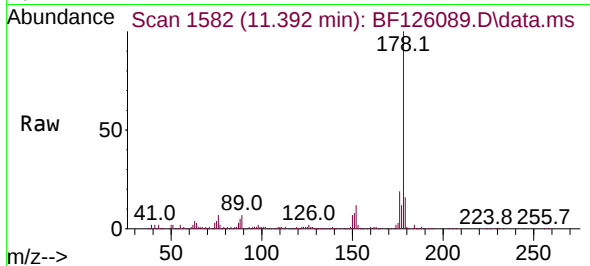




#71
Phenanthrene
Concen: 5.618 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

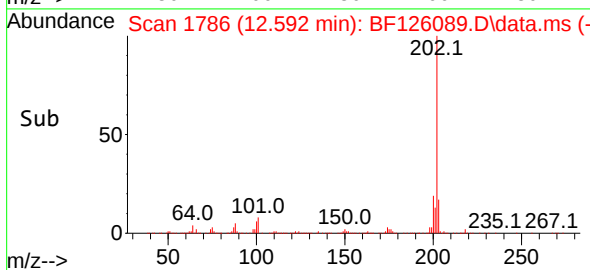
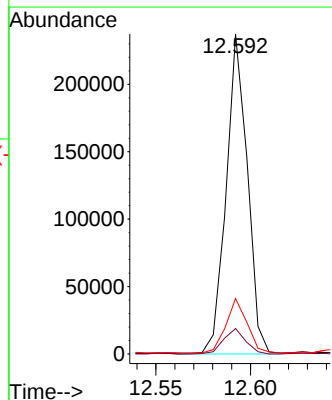
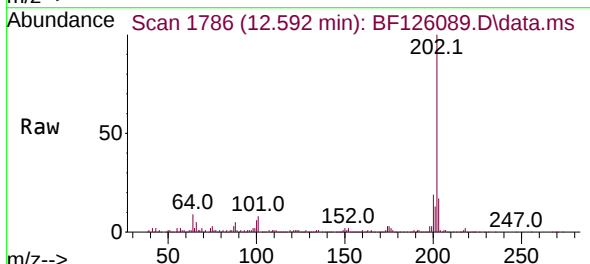
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

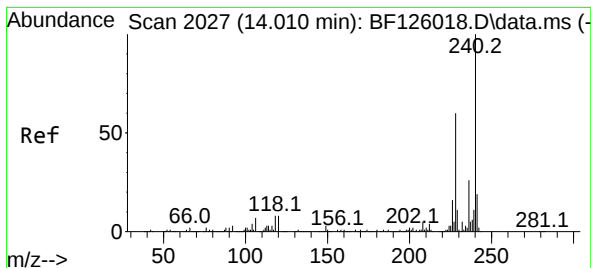
Tgt Ion:178 Resp: 183627
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 16.1 11.5 17.3



#75
Fluoranthene
Concen: 5.076 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:202 Resp: 184756
Ion Ratio Lower Upper
202 100
101 7.9 0.0 30.7
203 17.3 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF126089.D

Acq: 9 Nov 2021 19:17

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-10-20

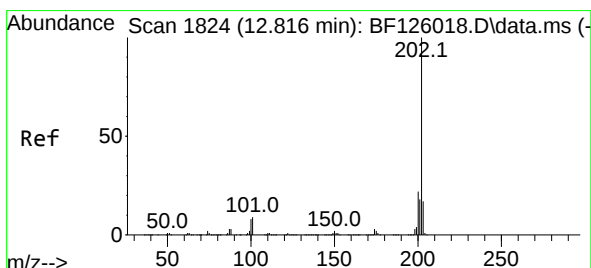
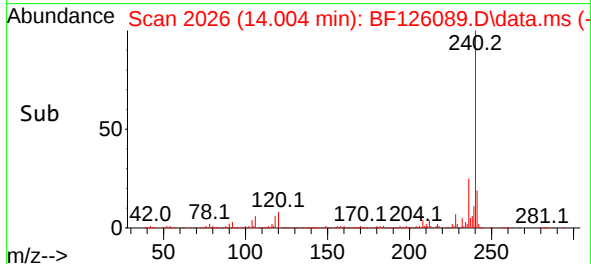
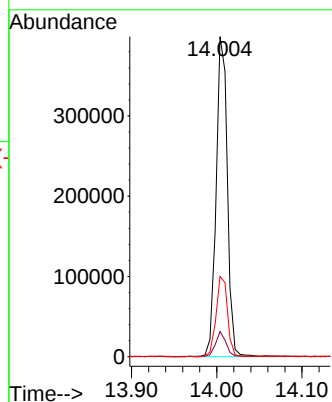
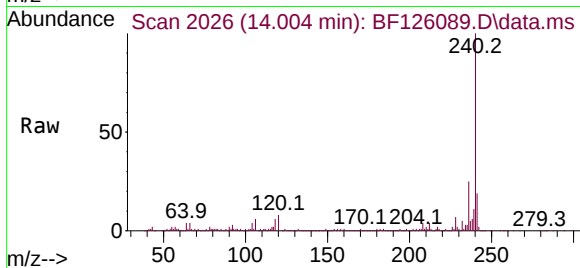
Tgt Ion:240 Resp: 366952

Ion Ratio Lower Upper

240 100

120 7.8 10.8 16.2#

236 25.0 21.6 32.4



#78

Pyrene

Concen: 5.443 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF126089.D

Acq: 9 Nov 2021 19:17

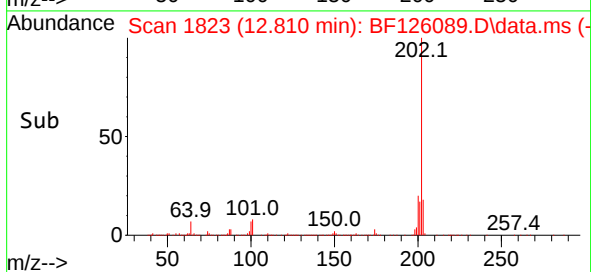
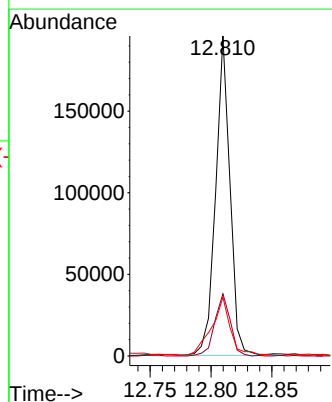
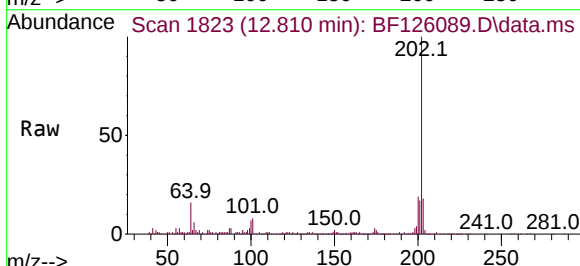
Tgt Ion:202 Resp: 160178

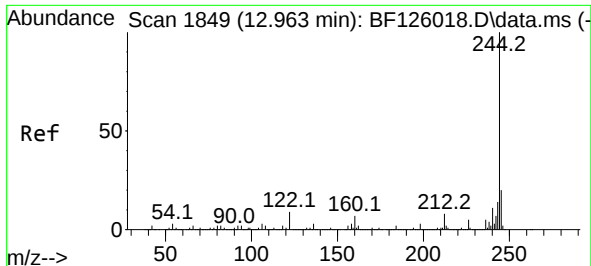
Ion Ratio Lower Upper

202 100

200 19.5 15.3 22.9

203 18.4 13.4 20.0

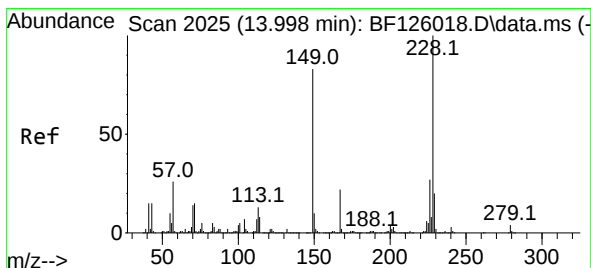
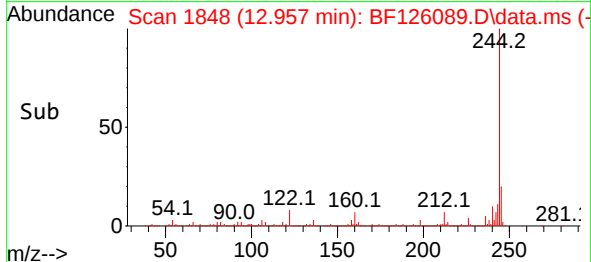
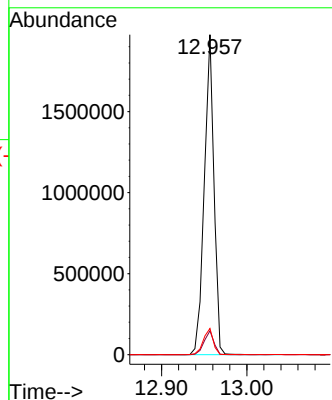
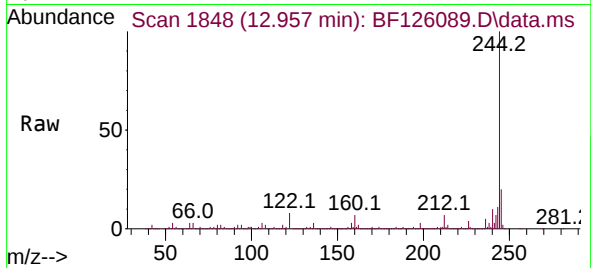




#79
 Terphenyl-d14
 Concen: 68.307 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126089.D
 Acq: 9 Nov 2021 19:17

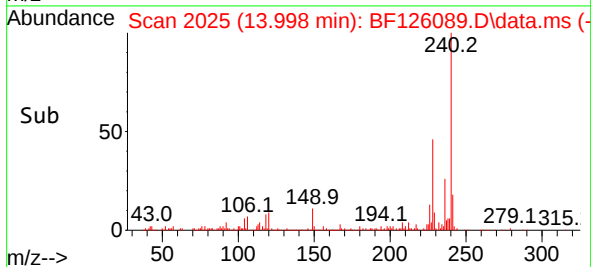
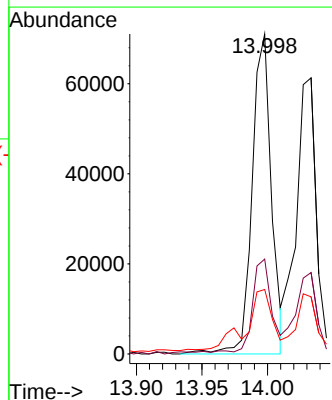
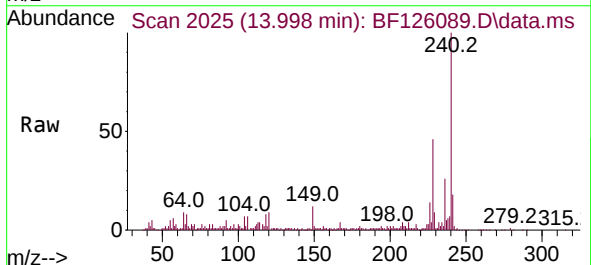
Instrument :
 BNA_F
 ClientSampleId :
 VWE-B4-110421-10-20

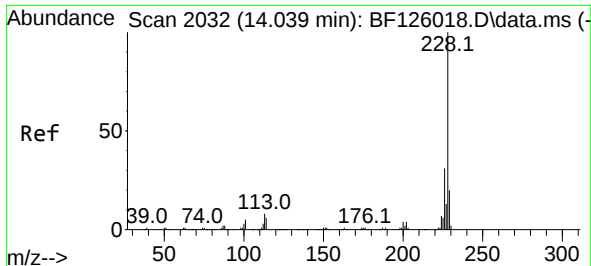
Tgt Ion:244 Resp: 1554397
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 8.2 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 2.873 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126089.D
 Acq: 9 Nov 2021 19:17

Tgt Ion:228 Resp: 72421
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.6 32.4
 229 20.2 15.6 23.4

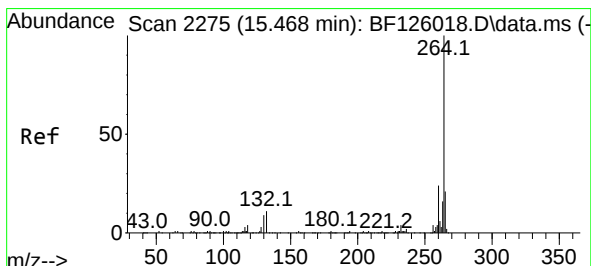
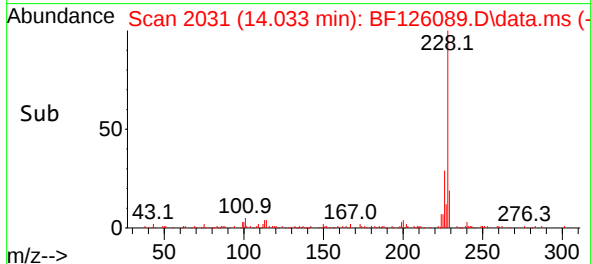
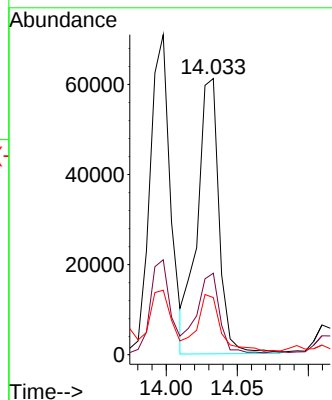
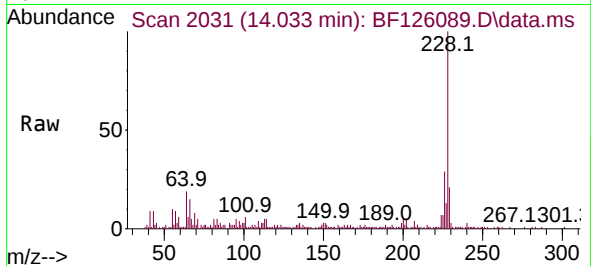




#83
Chrysene
Concen: 2.801 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

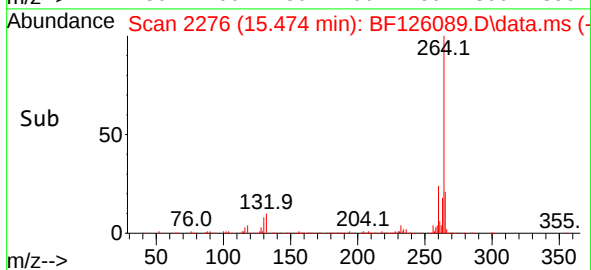
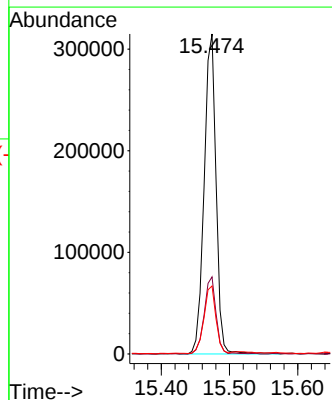
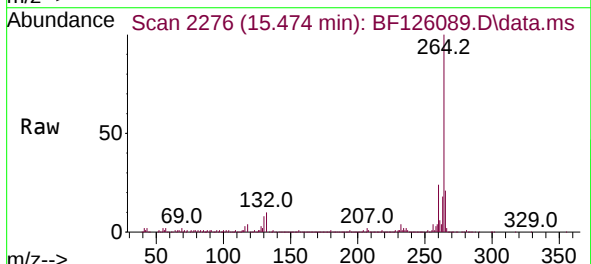
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

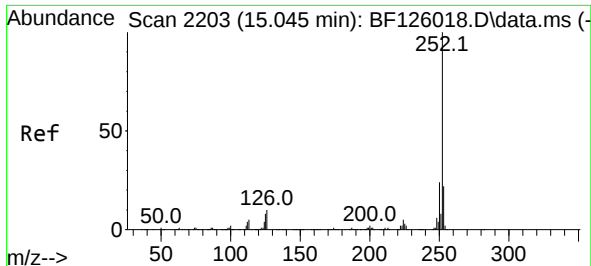
Tgt Ion:228 Resp: 65711
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 20.7 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:264 Resp: 382810
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.2 17.2 25.8

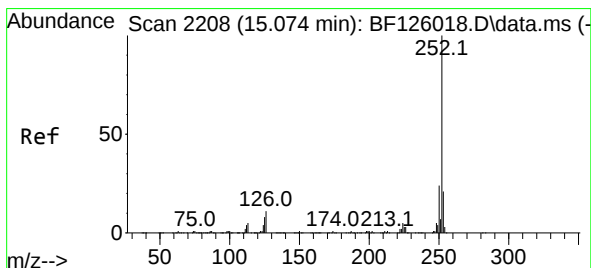
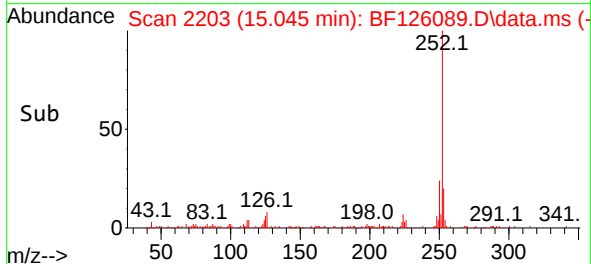
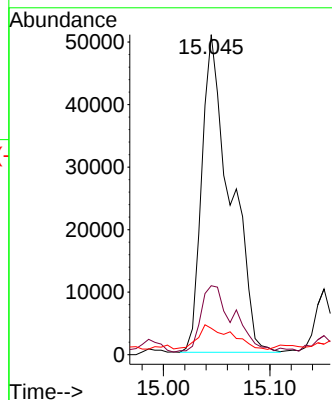
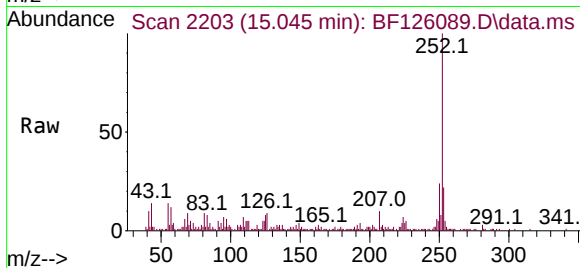




#88
Benzo(b)fluoranthene
Concen: 3.815 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-10-20

Tgt Ion:252 Resp: 94983
Ion Ratio Lower Upper
252 100
253 21.6 16.8 25.2
125 8.3 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 3.932 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.029 min
Lab File: BF126089.D
Acq: 9 Nov 2021 19:17

Tgt Ion:252 Resp: 94983
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 8.3 7.2 10.8

